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IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAL 6 LIGHT.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LLI-18097-2
[TESTLAB] LightLab International (www.LightLabInternational.com)
[MANUFAC] Justice Design Group, Los Angeles, CA 90071
[LUMCAT] LumenAria Faux Alabaster (FAL) 6-Light Bath Bar
[LUMINAIRE] Justice Design Group - Wall mount bathroom luminaire. Product ID: FAL 6-Light
[MORE] Steel formed housing and six frosted resin lenses with white interior.
[MORE] 60 LEDs mounted in six circular arrays with white plastic dome lenses.
[MORE] No driver.
[MORE] Operating at 120 VAC and 60 Hz.
[OTHER] Absolute test - lamp lumens value set to -1
[MORE] NA conventions used for C0 plane alignment and C-plane rotation direction.
[MORE] The sample was tested at a distance of 8m.
[MORE] This IES file created by LightLab/LSA Report program version 3.820a.
[DATE] This file created: Thursday, April 19, 2018 8:36:38 AM
[ISSUEDATE] Thursday, April 19, 2018 8:36:38 AM

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2775
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	45
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.54
Spacing Criterion (90-270)	1.72
Spacing Criterion (Diagonal)	1.54
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.08 m
Luminous Width (90-270)	0.99 m
Luminous Height	0.14 m

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAL 6 LIGHT.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2466	2881	6634
55	2072	2250	4469
65	1857	1966	3267
75	1744	1832	2620
85	1694	1801	2005

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAL 6 LIGHT.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0.0	454.381	454.381	454.381	454.381	454.381	454.381	454.381	454.381	454.381
0.5	454.616	450.391	451.130	454.104	454.801	455.641	458.480	457.867	457.783
1.0	453.886	449.786	450.509	453.827	455.280	457.204	461.320	461.630	461.706
1.5	454.532	450.148	450.668	454.112	456.044	459.186	464.722	465.990	466.418
2.0	456.313	451.802	451.601	454.650	457.128	461.420	468.502	470.845	471.593
2.5	459.211	454.129	453.205	455.784	458.522	464.268	472.702	476.062	477.145
3.0	462.756	457.330	455.608	457.027	460.068	467.006	477.196	481.454	483.025
3.5	466.964	461.177	458.598	459.010	461.824	470.215	481.799	487.074	489.031
4.0	471.677	465.587	461.832	461.177	463.806	473.449	486.528	492.828	495.054
4.5	476.860	470.098	465.536	463.789	466.024	476.851	491.375	498.632	501.077
5.0	482.135	475.129	469.568	466.427	468.376	480.497	496.255	504.202	507.268
5.5	487.788	480.539	473.836	469.451	470.795	484.159	501.287	510.224	513.282
6.0	493.500	485.738	478.321	472.601	473.390	487.864	506.537	516.188	519.532
6.5	499.220	491.106	482.983	475.910	476.120	491.669	511.552	522.236	525.806
7.0	505.235	496.734	487.645	479.489	478.926	495.667	516.844	528.150	532.014
7.5	511.115	502.345	492.408	482.916	481.824	499.506	522.035	534.122	538.163
8.0	516.743	507.906	497.381	486.629	484.722	503.698	527.352	540.145	544.261
8.5	522.875	513.383	502.236	490.249	487.645	507.662	532.568	545.857	550.334
9.0	528.629	519.128	507.184	494.080	490.610	511.568	537.785	551.704	556.534
9.5	534.509	524.555	512.005	497.792	493.559	515.600	542.850	557.390	562.271
10.0	540.548	530.384	517.087	501.656	496.600	519.758	548.100	563.170	568.084
10.5	546.353	535.945	521.934	505.672	499.632	523.723	553.056	568.856	573.980
11.0	552.384	541.632	526.823	509.460	502.816	527.755	558.113	574.358	579.264
11.5	558.222	547.277	531.913	513.467	505.781	531.955	563.153	579.617	584.682
12.0	563.438	552.770	536.894	517.406	508.830	536.038	568.117	584.665	589.714
12.5	568.361	558.113	541.909	521.363	511.946	540.086	573.115	589.714	594.468
13.0	572.242	563.002	546.756	525.353	515.088	543.925	578.122	594.350	599.164
13.5	575.744	567.395	551.779	529.435	518.087	548.016	582.834	598.903	603.280
14.0	578.483	570.923	556.500	533.165	521.035	551.964	587.336	603.179	606.522
14.5	580.768	574.190	561.448	537.180	524.219	555.820	591.830	606.841	609.109
15.0	583.061	576.769	566.160	541.220	527.310	559.801	596.249	609.949	610.621
15.5	584.682	578.936	570.704	544.942	530.309	563.539	600.348	612.234	611.184
16.0	585.707	580.675	574.955	548.873	533.501	567.386	604.439	613.544	611.142
16.5	586.354	582.254	578.794	552.686	536.458	571.108	608.353	614.074	610.596
17.0	586.858	583.212	582.162	556.643	539.641	574.904	611.839	614.233	609.731
17.5	587.143	583.901	584.884	560.356	542.623	578.567	615.065	613.637	608.622
18.0	587.143	584.304	587.294	564.270	545.798	582.120	617.887	612.931	607.337
18.5	586.858	584.405	589.176	567.773	548.797	585.606	620.222	611.806	606.010
19.0	586.379	584.321	590.764	571.595	551.880	589.277	622.096	610.546	604.405
19.5	585.665	583.909	591.948	575.198	554.854	592.544	623.246	609.067	602.910
20.0	584.581	583.397	592.780	578.642	557.836	595.938	623.986	607.505	601.297
20.5	583.313	582.448	593.578	582.288	561.028	599.474	623.868	605.766	599.390
21.0	581.910	581.381	593.636	585.766	563.732	602.700	623.650	603.884	597.618
21.5	580.247	580.070	593.552	589.159	566.790	605.842	622.919	602.053	595.560
22.0	578.458	578.542	593.048	592.612	569.562	608.908	621.743	599.978	593.418
22.5	576.584	576.668	592.334	595.720	572.510	611.671	620.248	597.736	591.436
23.0	574.300	574.686	591.578	598.802	575.224	614.183	618.769	595.644	589.277
23.5	572.032	572.536	590.386	601.692	578.004	616.686	616.762	593.090	586.723
24.0	569.747	570.142	588.832	604.187	580.625	618.794	614.704	590.402	584.052
24.5	566.832	567.420	587.370	606.102	583.153	620.600	612.402	587.840	581.557
25.0	564.085	564.631	585.228	607.942	585.740	622.205	609.823	584.833	578.735
25.5	561.238	561.599	583.120	608.924	588.193	623.221	607.118	582.061	575.879
26.0	558.138	558.457	580.650	609.655	590.738	624.170	604.262	578.760	572.611
26.5	555.005	555.072	577.937	609.840	592.998	624.842	601.222	575.434	569.310

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAL 6 LIGHT.IES

CANDELA TABULATION - (Cont.)

27.0	551.771	551.611	574.955	609.848	595.291	625.052	597.937	571.889	565.748
27.5	548.444	548.318	571.939	609.328	597.450	625.010	594.661	568.562	562.187
28.0	544.824	544.732	568.571	608.370	599.726	624.414	590.864	564.656	558.205
28.5	541.052	540.943	564.875	607.043	601.751	623.431	587.143	560.700	553.921
29.0	537.382	537.121	561.095	605.422	603.817	621.894	583.229	556.634	549.654
29.5	533.232	533.207	557.046	603.196	605.850	619.844	579.172	552.300	545.160
30.0	529.082	529.183	552.913	600.583	607.564	617.266	574.913	547.848	540.523
30.5	524.866	525.008	548.478	597.492	609.218	614.107	570.444	543.270	535.668
31.0	520.447	520.783	543.984	594.258	610.512	610.512	566.026	538.390	530.712
31.5	515.928	516.356	539.272	590.478	611.268	606.472	561.128	533.450	525.554
32.0	511.325	511.997	534.450	586.547	611.562	602.465	556.416	528.469	520.271
32.5	506.251	507.326	529.662	582.179	611.495	597.794	551.384	523.085	514.559
33.0	501.194	502.530	524.588	577.466	610.722	592.889	546.202	517.625	509.032
33.5	496.314	497.641	519.624	572.611	609.412	587.639	541.010	512.282	503.286
34.0	490.980	492.677	514.458	567.336	607.572	582.347	535.601	506.402	497.431
34.5	485.713	487.620	509.233	561.952	605.077	576.643	530.040	500.640	491.618
35.0	480.278	482.244	503.916	556.214	601.574	570.713	524.244	494.777	485.629
35.5	474.818	476.994	498.565	550.427	596.946	564.959	518.616	488.779	479.556
36.0	469.266	471.475	493.038	544.127	591.259	558.709	512.543	482.546	473.340
36.5	463.949	466.183	487.687	538.163	585.270	552.653	506.621	476.666	467.368
37.0	458.380	460.631	481.933	531.552	578.609	546.260	500.405	470.282	460.866
37.5	452.441	454.944	476.381	525.000	571.326	539.784	494.138	463.865	454.684
38.0	446.888	449.274	470.543	518.330	563.699	533.383	487.746	457.615	448.484
38.5	441.353	443.612	464.696	511.459	556.021	526.596	481.228	451.055	442.126
39.0	436.061	437.900	458.791	504.664	547.781	519.935	474.508	444.528	435.910
39.5	430.508	432.104	452.794	497.616	539.188	513.047	467.872	438.287	429.912
40.0	425.023	426.518	446.771	490.577	530.519	506.150	461.219	431.869	423.830
40.5	420.000	420.966	440.698	483.454	521.430	499.086	454.205	425.510	418.018
41.0	415.178	415.548	434.708	476.456	512.786	492.106	447.434	419.236	412.482
41.5	410.584	410.038	428.316	469.081	503.479	484.764	440.412	413.053	406.636
42.0	406.241	404.771	422.041	461.672	494.584	477.397	433.247	407.056	401.142
42.5	402.066	399.739	415.876	454.457	485.360	470.123	426.157	401.083	395.783
43.0	398.412	394.792	409.500	446.998	476.137	462.445	419.135	395.212	390.340
43.5	395.102	390.398	403.158	439.488	467.267	454.978	411.944	389.701	385.501
44.0	391.759	386.148	396.799	431.945	458.212	447.216	404.855	384.199	381.049
44.5	388.618	382.318	390.524	424.351	449.434	439.564	397.816	378.890	377.126
45.0	385.518	378.882	384.258	416.657	440.555	431.567	390.785	373.892	373.204
45.5	382.544	375.589	378.067	409.248	432.130	423.990	383.914	369.449	369.466
46.0	379.453	372.582	371.944	401.570	423.209	415.909	376.992	365.156	366.022
46.5	376.597	369.424	365.946	393.750	414.389	407.761	370.306	361.217	362.334
47.0	373.758	366.248	360.284	386.056	405.577	399.706	363.880	357.462	358.940
47.5	370.818	363.409	354.564	378.168	396.581	391.406	357.521	353.951	355.295
48.0	367.836	360.469	349.432	370.415	387.559	383.191	351.607	350.423	351.943
48.5	365.249	357.764	344.459	362.477	378.378	375.018	345.870	347.046	348.382
49.0	362.552	354.950	339.973	354.774	368.945	366.878	340.612	343.535	345.114
49.5	359.646	352.262	335.857	347.012	359.554	358.512	335.555	340.166	341.594
50.0	357.017	349.667	332.153	339.486	350.087	350.532	331.086	336.689	338.470
50.5	354.362	346.920	328.692	331.792	340.444	342.376	326.701	333.379	335.042
51.0	351.884	344.257	325.416	324.173	330.574	334.463	322.669	330.137	332.102
51.5	349.356	341.762	322.207	316.823	320.846	326.298	318.998	326.869	328.894
52.0	346.937	339.352	318.956	309.380	310.985	318.511	315.571	323.854	325.651
52.5	344.476	336.731	316.033	302.358	301.014	311.161	312.203	320.527	322.694
53.0	342.224	334.429	313.135	295.310	291.346	303.719	308.977	317.528	319.528
53.5	340.074	332.010	310.330	288.666	281.602	296.688	305.726	314.336	316.638
54.0	337.772	329.675	307.490	282.450	271.925	289.926	302.501	311.203	313.538
54.5	335.706	327.650	304.937	276.881	262.870	283.802	299.527	308.456	310.573

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAL 6 LIGHT.IES

CANDELA TABULATION - (Cont.)

55.0	333.455	325.475	302.291	271.522	253.504	278.149	296.486	305.281	307.776
55.5	331.355	323.467	299.578	266.944	244.390	273.143	293.345	302.249	304.676
56.0	329.330	321.334	296.940	262.592	235.973	268.254	290.413	299.393	301.846
56.5	327.457	319.368	294.462	258.619	227.371	264.037	287.431	296.394	298.922
57.0	325.433	317.503	291.900	255.116	219.433	260.098	284.558	293.513	296.041
57.5	323.602	315.445	289.464	251.782	212.209	256.301	281.560	290.699	293.042
58.0	321.653	313.883	286.961	248.749	205.321	252.781	278.662	287.935	290.396
58.5	319.637	312.001	284.668	245.725	199.063	249.766	275.873	284.911	287.482
59.0	318.184	310.313	282.509	243.214	193.654	246.758	272.933	282.106	284.861
59.5	316.285	308.650	280.064	240.643	188.605	243.936	270.236	279.367	282.047
60.0	314.454	306.928	277.906	237.972	183.901	241.088	267.347	276.553	279.275
60.5	312.715	305.332	275.789	235.334	179.642	238.476	264.617	273.798	276.444
61.0	311.220	303.769	273.554	232.688	175.652	235.830	261.887	270.984	273.596
61.5	309.397	302.257	271.522	230.051	171.906	233.293	259.014	268.153	270.866
62.0	307.658	300.712	269.380	227.371	168.260	230.639	256.360	265.415	268.136
62.5	306.079	299.191	267.422	224.734	164.749	228.102	253.537	262.744	265.457
63.0	304.592	297.755	265.398	222.188	161.297	225.616	250.816	259.972	262.769
63.5	302.938	296.285	263.516	219.786	158.012	223.180	248.186	257.359	260.207
64.0	301.468	294.991	261.710	217.266	154.661	220.886	245.339	254.596	257.284
64.5	299.746	293.538	259.753	214.805	151.368	218.459	242.676	251.891	254.730
65.0	298.250	292.295	257.956	212.369	148.042	216.132	239.854	249.161	252.084
65.5	296.856	290.959	256.284	209.756	144.614	213.763	237.098	246.565	249.430
66.0	295.142	289.506	254.386	207.505	141.347	211.495	234.402	243.919	246.918
66.5	293.840	288.238	252.722	205.061	137.987	209.227	231.655	241.332	244.264
67.0	292.236	287.028	251.017	202.860	134.744	207.026	228.967	238.610	241.483
67.5	290.984	285.617	249.346	200.500	131.284	204.809	226.153	236.023	239.030
68.0	289.666	284.424	247.699	198.257	128.117	202.608	223.465	233.444	236.418
68.5	288.154	283.290	246.187	196.165	124.942	200.248	220.634	230.824	233.772
69.0	286.700	282.047	244.474	193.838	121.565	197.971	217.980	228.161	231.143
69.5	285.289	280.829	242.928	191.680	118.364	195.594	215.200	225.574	228.631
70.0	283.987	279.737	241.408	189.496	115.080	193.343	212.629	223.045	225.960
70.5	282.626	278.561	239.887	187.404	111.972	190.924	209.672	220.399	223.448
71.0	281.215	277.292	238.375	185.296	108.906	188.572	207.152	217.762	220.945
71.5	279.762	276.268	236.914	183.238	105.899	186.127	204.397	215.183	218.224
72.0	278.477	275.159	235.561	181.096	102.740	183.758	201.810	212.570	215.594
72.5	277.284	274.058	234.016	179.021	99.876	181.457	199.030	210.109	213.032
73.0	275.839	273.000	232.655	176.963	96.802	178.937	196.249	207.598	210.546
73.5	274.638	271.925	231.202	175.031	93.820	176.652	193.670	204.868	207.757
74.0	273.252	270.908	229.874	173.048	91.022	173.939	191.033	202.331	205.271
74.5	272.244	269.749	228.547	171.184	88.032	171.377	188.294	199.626	202.583
75.0	270.942	268.750	227.212	169.403	85.226	168.848	185.657	197.089	199.979
75.5	269.539	267.733	225.817	167.588	82.404	166.118	182.994	194.435	197.492
76.0	268.246	266.792	224.557	165.858	79.708	163.355	180.306	191.923	194.813
76.5	266.977	265.684	223.322	164.161	76.826	160.742	177.618	189.294	192.091
77.0	265.826	264.760	222.088	162.414	74.424	157.987	174.964	186.724	189.806
77.5	264.398	263.718	220.794	160.826	71.686	155.173	172.410	184.178	187.135
78.0	263.256	262.786	219.584	159.121	69.090	152.267	169.688	181.457	184.430
78.5	262.038	261.904	218.358	157.475	66.620	149.344	167.118	178.928	181.826
79.0	260.711	260.879	217.090	155.904	64.100	146.639	164.363	176.299	179.172
79.5	259.594	259.972	215.972	154.426	61.706	143.564	161.725	173.737	176.660
80.0	258.258	258.997	214.738	152.788	59.212	140.658	158.970	171.108	174.048
80.5	257.233	258.048	213.511	151.351	56.876	137.802	156.366	168.412	171.410
81.0	255.847	257.132	212.411	149.722	54.592	134.711	153.577	165.841	168.773
81.5	254.612	256.150	211.193	148.369	52.391	132.014	151.091	163.330	166.186
82.0	253.478	255.133	210.210	146.916	49.980	128.890	148.336	160.625	163.531
82.5	252.395	254.310	209.042	145.379	47.813	125.958	145.622	157.979	160.910

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAL 6 LIGHT.IES

CANDELA TABULATION - (Cont.)

83.0	251.000	253.193	208.001	143.993	45.822	123.043	142.850	155.434	158.483
83.5	249.900	252.235	206.825	142.640	43.504	120.019	140.154	152.872	155.753
84.0	248.590	251.286	205.716	141.271	41.395	117.138	137.483	150.293	153.182
84.5	247.590	250.337	204.674	139.818	39.581	113.996	134.812	147.672	150.629
85.0	246.322	249.413	203.742	138.659	37.598	110.956	132.014	145.177	148.176
85.5	245.062	248.455	202.751	137.399	35.616	108.049	129.436	142.573	145.589
86.0	244.037	247.624	201.776	136.424	33.894	105.059	126.756	140.179	143.069
86.5	242.836	246.725	200.785	135.223	32.155	102.001	124.127	137.701	140.574
87.0	241.676	245.952	199.853	134.072	30.341	98.851	121.523	135.358	138.130
87.5	240.526	244.860	198.904	133.064	28.669	96.012	118.944	133.056	135.962
88.0	239.644	244.045	198.064	132.048	27.023	93.097	116.466	130.880	133.728
88.5	238.342	243.298	197.215	131.191	25.334	90.292	114.055	128.797	131.443
89.0	237.527	242.651	196.812	130.511	24.024	87.763	111.804	126.916	129.259
89.5	237.098	242.575	196.468	130.360	23.008	85.655	109.880	125.723	127.546
90.0	237.140	243.407	196.678	130.318	22.772	83.908	108.352	125.076	126.109
90.5	237.468	245.137	197.173	130.536	22.688	82.102	106.688	124.984	124.681
91.0	237.938	247.489	197.921	131.351	23.108	80.422	105.151	124.715	123.236
91.5	238.678	249.102	198.736	132.451	23.176	78.649	103.606	122.900	121.943
92.0	239.576	249.782	199.760	133.879	23.411	76.709	102.077	120.196	120.599
92.5	240.820	249.379	201.004	135.408	23.671	74.752	100.514	117.524	119.179
93.0	241.802	249.245	202.196	136.786	24.041	72.761	99.019	115.366	117.642
93.5	243.163	249.421	203.498	138.062	24.352	70.501	97.373	113.585	116.323
94.0	244.432	250.421	204.792	139.255	24.763	68.292	95.852	111.972	114.845
94.5	245.540	251.303	206.027	140.448	25.200	66.226	94.315	110.284	113.366
95.0	246.632	252.336	207.220	141.473	25.696	64.294	92.694	108.814	112.056
95.5	248.052	253.361	208.480	142.590	26.191	62.345	90.930	107.218	110.502
96.0	248.968	254.394	209.681	143.816	26.964	60.346	89.300	105.714	108.940
96.5	250.177	255.301	210.739	145.152	27.653	58.405	87.604	104.042	107.402
97.0	251.446	256.343	211.974	146.630	28.728	56.490	85.848	102.472	105.806
97.5	252.647	257.099	213.158	147.949	29.677	54.516	84.202	100.825	104.126
98.0	253.596	257.964	214.116	149.545	30.668	52.710	82.379	98.977	102.690
98.5	254.747	258.745	215.275	150.797	31.777	50.870	80.657	97.381	100.825
99.0	255.629	259.535	216.384	152.309	32.844	49.056	78.926	95.550	99.313
99.5	256.738	260.308	217.283	153.812	33.667	47.494	77.263	93.929	97.465
100.0	257.796	260.996	218.434	155.333	34.121	45.881	75.617	92.165	95.794
100.5	258.670	261.862	219.710	156.710	34.768	44.234	73.870	90.325	93.929
101.0	259.686	262.534	220.920	157.979	35.204	42.890	72.215	88.628	92.165
101.5	260.627	263.155	222.155	159.222	35.641	41.866	70.409	86.881	90.376
102.0	261.685	263.911	223.474	160.574	36.330	40.874	68.720	85.067	88.628
102.5	262.643	264.583	224.633	161.818	37.153	40.043	67.124	83.320	86.713
103.0	263.567	265.306	225.826	162.910	37.909	39.362	65.470	81.614	84.832
103.5	264.449	265.902	227.060	163.884	38.867	38.791	63.916	79.960	83.084
104.0	265.306	266.624	228.329	164.909	39.824	38.665	62.378	78.204	81.396
104.5	266.087	267.338	229.446	165.614	40.874	38.262	60.774	76.532	79.414
105.0	267.145	267.977	230.479	166.312	41.857	38.086	59.228	74.810	77.683
105.5	267.952	268.615	231.647	166.740	42.832	38.044	57.691	73.030	75.818
106.0	268.783	269.170	232.789	167.177	43.848	38.102	56.120	71.425	74.155
106.5	269.573	269.867	233.713	167.496	44.915	38.422	54.860	69.451	72.408
107.0	270.388	270.421	234.822	167.874	46.007	38.934	53.525	67.847	70.585
107.5	271.211	271.135	235.637	167.882	47.023	39.438	52.248	66.108	68.989
108.0	271.891	271.799	236.603	167.933	48.140	40.085	51.038	64.361	67.175
108.5	272.740	272.303	237.418	167.950	49.375	40.732	50.056	62.824	65.402
109.0	273.630	272.891	238.148	167.916	50.392	41.496	49.081	61.194	63.647
109.5	274.336	273.538	238.854	167.782	51.475	42.353	47.972	59.438	61.916
110.0	275.117	274.016	239.585	167.656	52.592	43.210	47.015	57.842	60.379
110.5	275.898	274.630	240.290	167.513	53.642	44.167	46.158	56.221	58.724

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAL 6 LIGHT.IES

CANDELA TABULATION - (Cont.)

111.0	276.856	275.008	240.870	167.387	54.709	45.108	45.184	54.684	56.918
111.5	277.536	275.512	241.416	167.026	55.642	46.150	44.520	53.273	55.415
112.0	278.158	275.965	241.920	166.580	56.675	47.174	43.781	51.878	53.836
112.5	278.897	276.326	242.222	166.118	57.632	48.367	43.176	50.610	51.996
113.0	279.552	276.839	242.626	165.572	58.733	49.476	42.664	49.434	50.652
113.5	280.148	277.217	242.752	165.018	59.783	50.778	42.076	48.376	49.207
114.0	280.585	277.452	243.012	164.312	60.816	51.887	41.664	47.368	47.687
114.5	281.047	277.696	243.155	163.615	61.849	53.046	41.185	46.376	46.469
115.0	281.518	277.948	243.281	162.876	62.866	54.298	40.824	45.368	45.310
115.5	281.795	278.132	243.222	162.103	63.932	55.516	40.597	44.680	44.369
116.0	281.963	278.233	243.138	161.423	64.991	56.826	40.412	43.688	43.579
116.5	282.484	278.300	242.970	160.532	66.066	57.834	40.303	43.210	42.722
117.0	282.601	278.426	242.852	159.835	67.099	59.077	40.404	42.462	41.983
117.5	282.811	278.342	242.558	159.130	68.032	60.295	40.328	41.807	41.210
118.0	282.811	278.267	242.382	158.399	69.182	61.488	40.387	41.353	40.690
118.5	283.072	278.191	241.903	157.483	70.182	62.798	40.580	40.782	40.026
119.0	283.181	277.956	241.424	156.618	71.156	63.974	40.740	40.421	39.581
119.5	283.172	277.721	240.988	155.963	72.257	65.243	41.034	39.950	39.136
120.0	283.223	277.368	240.517	155.022	73.374	66.494	41.210	39.648	38.531
120.5	283.466	277.091	239.879	154.132	74.197	67.721	41.681	39.413	38.380
121.0	283.433	276.704	239.198	153.275	75.382	69.048	42.008	39.169	37.699
121.5	283.517	276.268	238.526	152.267	76.348	70.384	42.613	38.976	37.573
122.0	283.424	275.604	237.720	151.410	77.263	71.627	43.092	39.043	37.204
122.5	283.517	275.150	236.922	150.478	78.263	72.920	43.705	38.758	36.893
123.0	283.265	274.546	236.006	149.537	79.279	74.197	44.251	38.758	36.431
123.5	283.046	273.848	235.141	148.546	80.170	75.499	45.049	38.581	36.448
124.0	282.366	273.193	234.125	147.563	81.010	76.885	45.704	38.665	36.204
124.5	281.677	272.362	233.234	146.639	81.950	78.271	46.452	38.657	36.036
125.0	281.098	271.622	232.100	145.572	82.883	79.733	47.468	38.623	35.935
125.5	280.367	270.690	231.092	144.631	83.731	81.060	48.342	38.791	35.969
126.0	279.468	269.875	229.748	143.623	84.664	82.488	49.300	39.010	35.902
126.5	278.662	268.867	228.648	142.800	85.470	83.849	50.316	39.161	35.885
127.0	277.931	267.952	227.430	141.876	86.369	85.310	51.324	39.430	36.128
127.5	277.049	266.801	225.977	140.801	87.024	86.671	52.382	39.774	36.347
128.0	276.058	265.692	224.776	140.011	87.914	88.032	53.399	40.160	36.473
128.5	275.150	264.281	223.364	139.146	88.570	89.351	54.373	40.396	36.792
129.0	274.184	263.038	221.970	138.230	89.258	90.602	55.465	40.883	36.792
129.5	273.008	261.400	220.357	137.474	89.981	92.156	56.633	41.404	37.372
130.0	271.883	259.871	218.803	136.592	90.678	93.299	57.590	41.899	37.708
130.5	270.808	258.275	217.090	135.685	91.274	94.685	58.699	42.403	38.186
131.0	269.531	256.645	215.527	134.904	91.736	96.004	59.623	43.151	38.581
131.5	268.212	254.906	213.872	134.072	92.442	97.280	60.724	43.680	39.068
132.0	266.935	253.235	212.192	133.165	92.963	98.801	61.849	44.470	39.673
132.5	265.322	251.446	210.344	132.401	93.551	100.178	62.882	45.242	40.303
133.0	263.819	249.715	208.580	131.300	93.937	101.472	63.974	46.074	40.958
133.5	262.424	248.035	206.783	130.528	94.382	102.715	65.092	46.914	41.605
134.0	260.602	246.137	204.826	129.671	94.643	104.068	66.276	47.813	42.344
134.5	259.006	244.272	202.810	128.772	95.012	105.101	67.267	48.670	43.176
135.0	257.174	242.214	200.794	127.982	95.432	106.277	68.502	49.762	43.982
135.5	255.545	240.265	198.786	127.134	95.735	107.117	69.535	50.736	44.881
136.0	253.554	238.190	196.703	126.286	95.978	107.982	70.661	51.794	45.923
136.5	251.689	236.116	194.519	125.370	96.180	108.688	71.728	52.928	46.922
137.0	249.606	233.932	192.478	124.496	96.222	109.267	72.920	54.046	47.964
137.5	247.464	231.722	190.260	123.682	96.289	109.780	74.054	55.003	49.165
138.0	245.297	229.580	188.168	122.833	96.466	110.032	75.298	55.961	50.282
138.5	242.987	227.329	186.018	122.052	96.516	110.233	76.423	57.154	51.576

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAL 6 LIGHT.IES

CANDELA TABULATION - (Cont.)

139.0	240.593	225.019	183.943	121.237	96.634	110.452	77.482	58.262	52.693
139.5	238.241	222.734	181.642	120.431	96.625	110.662	78.666	59.153	53.726
140.0	236.032	220.366	179.600	119.734	96.726	110.754	79.901	60.346	55.045
140.5	233.352	217.904	177.274	118.961	96.995	110.485	81.094	61.337	56.246
141.0	230.857	215.485	175.106	118.062	96.869	110.326	82.253	62.454	57.170
141.5	228.304	213.066	172.872	117.407	96.726	109.620	83.496	63.412	58.472
142.0	225.758	210.554	170.654	116.659	96.751	108.830	84.706	64.386	59.816
142.5	223.028	208.194	168.454	115.979	96.642	107.940	85.865	65.545	60.858
143.0	220.525	205.573	166.144	115.282	96.348	106.831	87.133	66.629	62.261
143.5	217.829	202.952	163.960	114.576	96.079	105.848	88.259	67.679	63.244
144.0	214.948	200.222	161.734	113.887	95.953	104.605	89.393	68.838	64.487
144.5	212.285	197.660	159.491	113.324	95.600	103.496	90.737	69.644	65.789
145.0	209.462	195.124	157.307	112.652	95.290	102.094	91.888	70.904	66.772
145.5	206.632	192.318	155.056	111.964	94.559	100.624	93.232	72.005	68.057
146.0	203.868	189.680	152.830	111.258	93.904	99.053	94.349	73.156	69.443
146.5	200.978	187.060	150.696	110.620	93.089	97.373	95.491	74.172	70.610
147.0	198.038	184.178	148.520	109.847	92.140	95.592	96.516	75.298	71.669
147.5	195.107	181.482	146.378	109.234	91.258	93.803	97.717	76.457	73.248
148.0	192.083	178.802	144.287	108.536	90.140	91.871	98.624	77.633	74.273
148.5	189.126	176.106	142.254	107.940	88.889	90.048	99.481	78.826	75.575
149.0	186.287	173.275	140.154	107.201	87.797	88.427	100.439	79.901	76.860
149.5	183.338	170.503	138.163	106.562	86.537	86.848	101.094	81.136	78.095
150.0	180.340	167.765	136.206	105.647	85.445	85.453	101.741	82.270	79.430
150.5	177.349	165.035	134.249	104.740	84.529	84.101	102.295	83.588	81.068
151.0	174.182	162.246	132.308	103.950	83.471	82.480	102.656	84.941	82.186
151.5	171.192	159.424	130.486	102.984	82.471	81.236	102.774	85.966	83.555
152.0	168.218	156.719	128.654	101.959	81.337	80.035	102.715	87.268	85.210
152.5	165.127	153.913	126.907	101.044	80.657	79.069	102.295	88.570	86.814
153.0	162.044	151.192	125.194	100.052	79.825	78.095	102.186	89.636	87.931
153.5	159.130	148.571	123.547	99.103	79.086	77.238	101.674	90.838	89.687
154.0	156.089	145.916	121.867	98.188	78.212	76.020	101.077	91.854	91.022
154.5	153.082	143.304	120.238	96.911	77.112	74.928	100.498	92.845	92.249
155.0	150.209	140.624	118.742	95.617	76.188	73.802	99.750	93.803	93.904
155.5	147.193	137.978	117.037	94.324	75.424	72.215	98.860	94.550	95.172
156.0	144.278	135.610	115.735	92.887	74.575	70.988	97.482	95.458	96.390
156.5	141.431	132.938	114.257	91.526	73.912	69.737	95.844	96.113	97.726
157.0	138.524	130.536	112.879	90.090	73.399	68.678	94.013	96.499	98.666
157.5	135.929	128.092	111.376	88.628	72.845	67.696	91.728	96.961	99.590
158.0	133.417	125.950	110.082	87.394	72.509	67.040	89.737	97.314	100.472
158.5	131.032	123.732	108.788	86.184	72.534	66.503	87.822	97.566	101.245
159.0	128.394	121.615	107.486	84.991	72.484	66.276	86.050	97.499	101.741
159.5	126.134	119.498	106.176	83.782	72.114	66.268	84.034	97.222	102.430
160.0	123.724	117.516	105.092	82.799	71.442	66.116	82.034	96.835	102.808
160.5	121.447	115.500	103.790	81.656	70.770	65.713	79.808	96.575	103.043
161.0	119.230	113.677	102.438	80.606	69.745	65.201	77.498	96.029	103.186
161.5	117.054	111.737	101.279	79.699	68.922	64.462	74.970	95.508	103.076
162.0	115.164	110.124	100.044	78.590	68.561	63.932	72.366	94.777	102.379
162.5	113.148	108.427	98.910	77.675	68.485	63.462	69.938	94.063	101.371
163.0	111.292	106.680	97.768	76.650	68.678	63.118	67.662	93.148	100.153
163.5	109.469	105.168	96.541	75.634	68.670	63.235	65.713	92.064	98.843
164.0	107.831	103.522	95.096	74.550	68.527	63.462	64.243	90.703	97.255
164.5	106.000	101.917	93.769	73.340	67.922	63.680	62.622	88.939	95.500
165.0	104.135	100.573	92.249	72.097	67.192	63.630	61.118	87.049	93.601
165.5	102.388	99.044	90.720	70.812	66.536	62.916	59.984	84.798	91.552
166.0	100.447	97.020	89.258	69.602	65.898	61.824	58.724	82.530	89.569
166.5	98.851	94.693	87.587	68.401	65.167	61.085	57.691	80.153	87.268

**IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAL 6 LIGHT.IES**

CANDELA TABULATION - (Cont.)

167.0	97.129	92.988	86.142	67.318	64.873	60.539	56.759	77.717	85.243
167.5	95.584	91.123	84.529	66.142	64.436	60.102	55.919	75.130	82.547
168.0	93.904	89.477	82.950	65.184	64.394	59.564	55.255	72.366	79.724
168.5	92.274	87.889	81.236	64.420	64.109	59.464	54.751	69.754	77.297
169.0	90.653	86.159	79.640	63.445	64.008	59.363	54.146	67.057	74.802
169.5	89.275	84.437	77.507	62.530	63.731	59.052	53.575	64.285	72.190
170.0	87.646	82.832	75.390	61.370	63.286	59.077	53.298	61.471	69.376
170.5	85.915	81.337	73.172	60.556	62.538	59.371	52.685	58.523	66.914
171.0	84.294	79.792	70.930	59.657	61.530	59.766	51.887	55.944	64.411
171.5	82.538	78.557	69.031	59.018	60.497	60.161	51.366	53.550	62.210
172.0	81.077	77.028	67.385	58.262	59.598	60.262	50.644	51.257	59.968
172.5	79.607	75.617	65.696	57.515	58.834	59.993	50.131	49.568	57.691
173.0	78.053	74.197	63.823	56.910	58.380	59.405	49.745	48.157	55.700
173.5	76.448	72.551	62.177	56.238	57.985	58.901	49.375	46.805	53.466
174.0	75.054	71.022	60.438	55.751	57.952	58.691	49.073	45.772	51.551
174.5	73.550	69.493	58.573	55.138	58.128	58.598	49.140	44.814	49.417
175.0	71.988	68.048	56.566	54.684	58.187	58.523	49.442	43.991	47.342
175.5	70.770	66.679	54.566	54.113	58.136	58.330	49.829	43.050	45.175
176.0	69.418	65.369	52.794	53.785	58.069	58.145	50.299	42.076	43.193
176.5	68.191	64.151	51.341	53.617	57.868	58.103	51.097	41.059	41.672
177.0	66.578	63.067	50.249	53.508	57.708	58.162	51.937	39.908	40.471
177.5	64.739	61.984	49.165	53.516	57.599	58.296	52.475	39.262	39.287
178.0	63.143	60.883	48.275	53.416	57.750	58.355	52.844	38.321	38.203
178.5	61.454	59.648	47.519	53.105	57.943	58.439	52.895	37.825	37.330
179.0	60.026	58.666	46.519	52.878	58.086	58.674	53.029	37.531	36.523
179.5	58.674	57.481	45.629	52.366	58.044	58.699	52.970	37.481	35.960
180.0	50.686	50.686	50.686	50.686	50.686	50.686	50.686	50.686	50.686

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAL 6 LIGHT.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	209.42	N.A.	7.50
0-30	481.28	N.A.	17.30
0-40	808.94	N.A.	29.20
0-60	1383.58	N.A.	49.90
0-80	1821.52	N.A.	65.60
0-90	1987.72	N.A.	71.60
10-90	1940.17	N.A.	69.90
20-40	599.52	N.A.	21.60
20-50	908.64	N.A.	32.70
40-70	809.26	N.A.	29.20
60-80	437.93	N.A.	15.80
70-80	203.31	N.A.	7.30
80-90	166.20	N.A.	6.00
90-110	285.60	N.A.	10.30
90-120	416.06	N.A.	15.00
90-130	534.47	N.A.	19.30
90-150	710.61	N.A.	25.60
90-180	786.90	N.A.	28.40
110-180	501.30	N.A.	18.10
0-180	2774.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	47.55
10-20	161.88
20-30	271.86
30-40	327.66
40-50	309.12
50-60	265.52
60-70	234.62
70-80	203.31
80-90	166.20
90-100	146.49
100-110	139.11
110-120	130.46
120-130	118.42
130-140	100.58
140-150	75.56
150-160	47.59
160-170	23.01
170-180	5.70

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAL 6 LIGHT.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0	
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	112	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	72
1	100	95	90	85	85	95	90	85	81	80	77	74	72	69	66	64	61	60	56
2	91	82	75	68	68	85	78	71	65	69	64	60	62	58	54	55	52	49	45
3	82	72	63	56	56	77	68	60	54	61	55	50	54	49	45	48	44	41	38
4	75	63	54	47	47	71	60	52	46	54	47	42	48	43	38	43	39	35	32
5	69	56	47	41	41	65	53	45	39	48	41	36	43	38	33	39	34	30	27
6	64	50	42	35	35	60	48	40	34	43	37	31	39	33	29	35	30	27	24
7	59	46	37	31	31	55	43	35	30	39	33	28	35	30	26	32	27	24	21
8	55	41	33	27	27	52	40	32	26	36	29	25	32	27	23	29	25	21	19
9	51	38	30	24	24	48	36	29	24	33	27	22	30	24	20	27	22	19	17
10	48	35	27	22	22	45	33	26	21	30	24	20	28	22	18	25	20	17	15

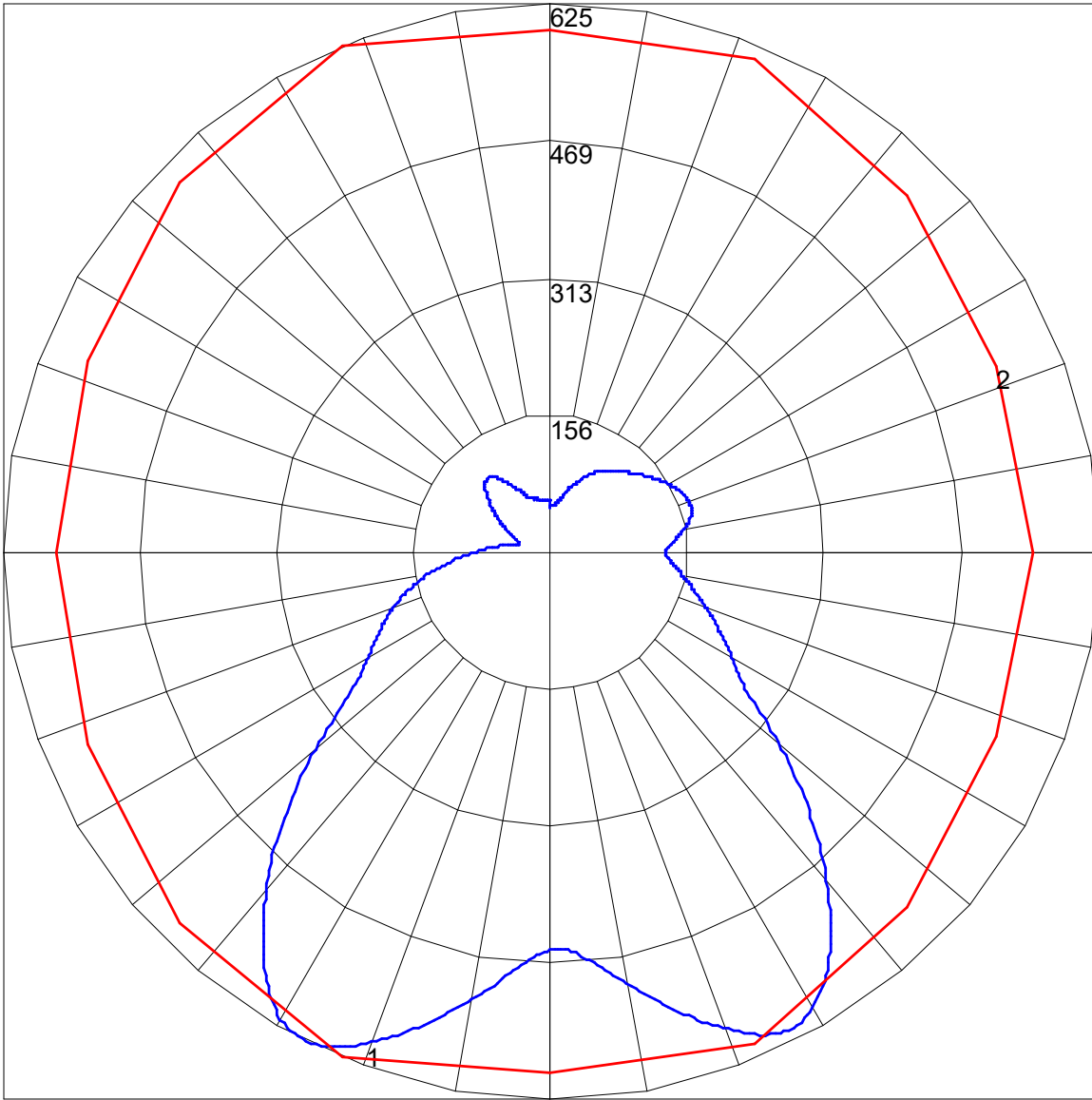
IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAL 6 LIGHT.IES

UGR TABLE - CORRECTED

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	12.4	13.5	13.1	14.3	15.2	10.6	11.8	11.3	12.5	13.4
	3H	14.7	15.8	15.5	16.6	17.5	12.0	13.1	12.7	13.8	14.8
	4H	15.8	16.9	16.6	17.6	18.6	12.5	13.5	13.2	14.3	15.2
	6H	17.0	17.9	17.7	18.7	19.6	12.8	13.7	13.6	14.5	15.5
	8H	17.5	18.4	18.3	19.2	20.1	12.9	13.8	13.7	14.6	15.6
	12H	18.0	18.8	18.8	19.6	20.6	12.9	13.8	13.7	14.6	15.6
4H	2H	13.0	14.0	13.8	14.8	15.8	11.7	12.7	12.4	13.5	14.4
	3H	15.6	16.5	16.4	17.3	18.3	13.4	14.3	14.2	15.1	16.1
	4H	17.0	17.8	17.8	18.6	19.6	14.2	15.0	15.0	15.8	16.8
	6H	18.3	19.0	19.1	19.8	20.8	14.7	15.4	15.5	16.2	17.2
	8H	18.9	19.6	19.7	20.4	21.4	14.9	15.5	15.7	16.4	17.4
	12H	19.5	20.1	20.3	21.0	22.0	15.0	15.6	15.8	16.4	17.5
8H	4H	17.4	18.1	18.2	18.9	19.9	15.1	15.7	15.9	16.6	17.6
	6H	19.0	19.5	19.8	20.4	21.4	15.9	16.5	16.7	17.3	18.4
	8H	19.7	20.3	20.6	21.1	22.2	16.2	16.7	17.1	17.6	18.6
	12H	20.5	21.0	21.4	21.9	23.0	16.5	16.9	17.3	17.8	18.9
12H	4H	17.5	18.1	18.3	18.9	20.0	15.3	15.9	16.2	16.8	17.8
	6H	19.1	19.6	20.0	20.5	21.5	16.3	16.8	17.1	17.7	18.7
	8H	20.0	20.4	20.8	21.3	22.4	16.7	17.2	17.6	18.1	19.1

Maximum UGR = 23.0

POLAR GRAPH



Maximum Candela = 625.052 Located At Horizontal Angle = 112.5, Vertical Angle = 27
1 - Vertical Plane Through Horizontal Angles (112.5 - 292.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (27) (Through Max. Cd.)