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IES INDOOR REPORT PHOTOMETRIC FILENAME : FAL 2 LIGHT.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 18097-A
[TESTLAB] LightLab International (www.LightLabInternational.com)
[MANUFAC] Justice Design Group, Los Angeles, CA 90071
[LUMCAT] LumenAria Faux Alabaster (FAL) 2-Light Bath Bar
[LUMINAIRE] Justice Design Group - Wall mount bathroom luminaire. Product ID: FAL 2-Light
[MORE] Steel formed housing and two frosted resin lenses with white interior.
[MORE] 20 LEDs mounted in two circular arrays with white plastic dome lenses.
[MORE] No driver.
[MORE] Operating at 120 VAC and 60 Hz.
[MORE] Simulated data from test of one and six lamp fixtures.
[ISSUE DATE] April 20, 2018

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	926
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	14.98
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.56
Spacing Criterion (90-270)	1.74
Spacing Criterion (Diagonal)	1.54
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.08 m
Luminous Width (90-270)	0.33 m
Luminous Height	0.14 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2478	2652	5296
55	2090	2079	3649
65	1869	1792	2922
75	1735	1611	2782
85	1671	1516	2831

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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	145.149	145.149	145.149	145.149	145.149	145.149	145.149	145.149	145.149
0.5	143.744	144.162	144.714	144.781	145.250	145.835	146.287	146.321	146.337
1.0	144.112	144.597	144.832	144.932	145.434	146.371	147.090	147.375	147.592
1.5	145.267	145.551	145.551	145.300	145.919	147.140	148.194	148.864	149.131
2.0	146.555	146.672	146.588	145.869	146.488	147.977	149.483	150.520	150.854
2.5	148.127	148.228	147.793	146.722	147.207	148.981	150.938	152.343	152.728
3.0	150.001	149.683	149.131	147.726	147.943	150.018	152.578	154.150	154.669
3.5	151.892	151.440	150.620	148.746	148.797	151.089	154.100	156.041	156.860
4.0	153.849	153.381	152.009	149.884	149.650	152.343	155.790	157.965	158.768
4.5	155.823	155.137	153.615	150.955	150.570	153.598	157.429	159.972	160.909
5.0	157.680	157.145	155.171	152.109	151.440	154.836	158.968	161.813	162.933
5.5	159.554	158.902	156.727	153.397	152.394	156.074	160.658	163.854	164.941
6.0	161.712	160.842	158.316	154.635	153.347	157.413	162.432	165.878	167.283
6.5	163.653	162.716	160.022	155.840	154.234	158.684	164.088	167.835	169.140
7.0	165.594	164.523	161.629	157.128	155.254	159.972	165.861	169.876	171.282
7.5	167.517	166.547	163.268	158.400	156.258	161.311	167.635	171.867	173.356
8.0	169.341	168.404	164.958	159.621	157.262	162.632	169.308	173.808	175.347
8.5	171.215	170.328	166.581	160.909	158.182	163.971	171.064	175.749	177.338
9.0	173.323	172.118	168.237	162.197	159.253	165.292	172.871	177.622	179.329
9.5	175.297	173.975	169.927	163.452	160.340	166.648	174.427	179.446	181.320
10.0	177.187	175.916	171.533	164.757	161.277	167.902	176.100	181.470	183.277
10.5	179.061	177.957	173.222	166.112	162.281	169.257	177.840	183.327	185.251
11.0	181.203	179.714	174.845	167.400	163.285	170.596	179.446	185.184	187.209
11.5	183.210	181.587	176.435	168.806	164.305	171.934	181.136	186.974	189.032
12.0	185.067	183.511	178.124	170.094	165.326	173.273	182.775	188.898	190.923
12.5	186.590	185.235	179.881	171.349	166.313	174.661	184.381	190.571	192.780
13.0	187.660	186.924	181.437	172.654	167.267	175.949	186.004	192.412	194.436
13.5	188.330	188.263	183.160	173.925	168.304	177.305	187.577	194.101	195.825
14.0	188.547	189.116	184.699	175.096	169.308	178.559	189.116	195.641	196.745
14.5	189.066	189.819	186.322	176.418	170.194	179.847	190.638	196.895	197.247
15.0	189.451	190.270	187.844	177.689	171.298	181.119	192.244	197.799	197.464
15.5	189.835	190.622	189.300	178.978	172.302	182.324	193.700	198.150	197.397
16.0	189.969	191.073	190.538	180.249	173.155	183.612	195.155	198.368	197.297
16.5	190.136	191.124	191.659	181.437	174.076	184.850	196.644	198.334	197.063
17.0	190.153	191.241	192.629	182.641	175.163	186.004	197.966	198.167	196.711
17.5	190.371	191.492	193.399	183.896	176.033	187.159	199.104	197.983	196.577
18.0	190.254	191.458	193.884	185.051	176.953	188.397	200.124	197.665	196.126
18.5	190.371	191.441	194.302	186.222	177.924	189.517	200.760	197.364	195.674
19.0	190.337	191.525	194.486	187.393	178.860	190.705	201.111	197.029	195.239
19.5	190.086	191.274	194.620	188.581	179.797	191.793	201.245	196.661	194.737
20.0	189.768	191.207	194.670	189.635	180.684	192.981	201.178	196.159	194.336
20.5	189.501	191.057	194.654	190.806	181.671	194.051	200.994	195.724	193.750
21.0	188.882	190.638	194.587	191.860	182.574	195.172	200.727	195.222	193.198
21.5	188.547	190.220	194.453	192.964	183.511	196.276	200.375	194.603	192.646
22.0	188.212	189.902	194.235	193.968	184.448	197.280	200.007	194.035	191.927
22.5	187.660	189.350	194.018	194.921	185.402	198.351	199.639	193.332	191.073
23.0	187.125	188.698	193.784	195.758	186.289	199.288	199.120	192.596	190.371
23.5	186.355	187.928	193.315	196.343	187.075	200.275	198.535	191.893	189.417
24.0	185.619	187.125	192.897	196.845	188.012	201.195	197.966	190.939	188.447
24.5	184.984	186.473	192.412	197.280	188.832	202.098	197.330	189.885	187.577
25.0	184.214	185.586	191.743	197.631	189.668	202.885	196.611	188.999	186.590
25.5	183.361	184.749	191.107	197.899	190.505	203.487	195.925	187.928	185.469
26.0	182.424	183.796	190.320	197.966	191.224	204.022	195.022	186.774	184.398
26.5	181.537	182.809	189.501	198.167	191.993	204.357	194.202	185.670	183.127

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CANDELA TABULATION - (Cont.)

27.0	180.316	181.721	188.581	198.100	192.696	204.508	193.282	184.381	181.922
27.5	179.479	180.801	187.627	197.966	193.382	204.541	192.194	183.193	180.684
28.0	178.241	179.680	186.506	197.648	194.018	204.407	191.107	181.872	179.346
28.5	177.054	178.375	185.368	197.297	194.737	204.006	189.919	180.517	177.907
29.0	175.916	177.137	184.247	196.661	195.440	203.487	188.631	179.061	176.468
29.5	174.661	175.966	182.976	196.009	196.076	202.784	187.326	177.606	174.996
30.0	173.406	174.678	181.621	195.206	196.594	201.898	185.920	176.117	173.373
30.5	171.834	173.340	180.232	194.219	197.263	200.944	184.348	174.511	171.683
31.0	170.596	172.102	178.777	193.349	197.782	199.873	182.825	172.871	170.094
31.5	169.257	170.679	177.371	192.311	198.368	198.702	181.219	171.265	168.304
32.0	167.668	169.190	175.966	191.107	198.936	197.347	179.580	169.575	166.631
32.5	166.229	167.785	174.310	189.936	199.271	195.858	177.857	167.768	164.657
33.0	164.673	166.213	172.771	188.547	199.689	194.235	176.184	165.928	162.833
33.5	162.883	164.774	171.215	187.075	200.007	192.646	174.444	164.038	160.658
34.0	161.428	163.117	169.492	185.686	199.907	190.739	172.570	162.214	158.818
34.5	159.872	161.511	167.886	183.963	199.656	188.915	170.746	160.273	156.794
35.0	158.032	159.822	166.146	182.240	198.819	187.008	168.756	158.299	154.635
35.5	156.392	158.266	164.473	180.467	197.682	185.034	166.882	156.308	152.511
36.0	154.652	156.442	162.666	178.609	196.209	182.943	164.924	154.150	150.486
36.5	152.812	154.736	160.976	176.602	194.470	180.952	162.933	152.176	148.261
37.0	151.189	153.029	159.169	174.544	192.278	178.710	160.892	150.102	146.137
37.5	149.449	151.239	157.262	172.453	189.534	176.518	158.818	147.893	143.878
38.0	147.609	149.399	155.522	170.362	186.506	174.310	156.777	145.718	141.653
38.5	145.835	147.575	153.615	168.120	183.361	171.984	154.552	143.426	139.495
39.0	144.045	145.835	151.791	165.895	180.115	169.759	152.444	141.251	137.303
39.5	142.339	143.962	149.901	163.586	176.870	167.417	150.252	138.959	134.994
40.0	140.867	142.172	147.960	161.294	173.607	165.108	148.094	136.718	132.836
40.5	139.160	140.348	146.019	159.035	170.512	162.733	145.802	134.459	130.594
41.0	137.437	138.591	144.129	156.660	167.417	160.407	143.577	132.200	128.436
41.5	136.149	136.868	142.105	154.451	164.422	158.032	141.268	129.908	126.362
42.0	134.743	135.145	140.130	152.126	161.645	155.656	138.993	127.667	124.270
42.5	133.572	133.438	138.106	149.784	158.784	153.230	136.617	125.458	122.263
43.0	132.569	131.849	136.132	147.475	156.091	150.854	134.242	123.300	120.172
43.5	131.699	130.477	134.091	145.049	153.565	148.362	131.916	121.226	118.432
44.0	130.979	129.089	132.117	142.673	151.038	145.852	129.440	119.034	116.742
44.5	129.908	128.018	130.126	140.432	148.596	143.393	127.048	117.110	115.153
45.0	129.022	126.981	128.085	137.905	146.153	140.783	124.622	115.253	113.864
45.5	128.185	125.994	126.211	135.580	143.878	138.307	122.330	113.563	112.593
46.0	127.265	125.174	124.254	133.204	141.469	135.664	119.954	111.991	111.388
46.5	126.295	124.237	122.346	130.829	139.210	133.020	117.595	110.619	110.117
47.0	125.308	123.250	120.573	128.319	136.784	130.394	115.153	109.347	108.829
47.5	124.438	122.380	118.733	125.910	134.325	127.683	112.927	108.076	107.540
48.0	123.551	121.493	117.160	123.501	131.866	124.990	110.702	106.871	106.202
48.5	122.581	120.473	115.621	120.958	129.323	122.213	108.477	105.600	105.081
49.0	121.794	119.569	114.299	118.582	126.730	119.569	106.436	104.378	103.877
49.5	120.891	118.632	112.944	116.073	124.070	116.809	104.462	103.124	102.622
50.0	120.004	117.746	111.756	113.647	121.359	114.182	102.722	101.969	101.501
50.5	119.118	116.792	110.535	111.321	118.515	111.455	101.083	100.715	100.330
51.0	118.315	115.939	109.498	109.046	115.671	108.712	99.594	99.577	99.092
51.5	117.578	114.969	108.561	106.503	112.810	106.051	98.272	98.356	98.038
52.0	116.608	114.182	107.724	104.278	109.782	103.408	97.017	97.302	96.950
52.5	115.939	113.312	106.788	102.036	106.687	100.798	95.947	96.147	95.846
53.0	115.102	112.409	105.901	99.728	103.759	98.222	94.742	94.959	94.759
53.5	114.400	111.589	104.981	97.737	100.731	95.779	93.621	94.090	93.655
54.0	113.680	110.853	104.128	95.679	97.770	93.353	92.550	92.885	92.667
54.5	112.727	109.983	103.224	93.805	94.959	91.128	91.463	91.864	91.764

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CANDELA TABULATION - (Cont.)

55.0	111.974	109.314	102.354	92.115	92.099	88.870	90.392	90.794	90.693
55.5	111.472	108.561	101.467	90.710	89.405	86.762	89.321	89.823	89.807
56.0	110.786	107.791	100.648	89.271	86.695	84.988	88.251	88.836	88.803
56.5	110.100	107.022	99.728	88.117	84.169	83.299	87.213	87.883	87.832
57.0	109.515	106.403	98.908	86.879	81.810	82.010	86.243	86.896	86.929
57.5	108.812	105.566	98.088	85.708	79.467	80.990	85.239	85.942	86.026
58.0	108.260	104.897	97.218	84.855	77.293	80.153	84.169	85.039	85.106
58.5	107.490	104.278	96.482	84.202	75.385	79.267	83.215	84.102	84.135
59.0	106.972	103.575	95.712	83.416	73.763	78.447	82.278	83.148	83.282
59.5	106.319	102.906	94.909	82.730	72.424	77.644	81.274	82.328	82.512
60.0	105.616	102.287	94.173	82.010	71.420	76.807	80.404	81.425	81.542
60.5	104.997	101.651	93.454	81.274	70.584	75.921	79.467	80.488	80.789
61.0	104.445	100.999	92.701	80.505	69.898	75.051	78.514	79.668	79.819
61.5	103.994	100.430	91.848	79.819	69.279	74.231	77.677	78.798	79.099
62.0	103.324	99.761	91.212	78.966	68.693	73.428	76.757	77.962	78.179
62.5	102.705	99.125	90.493	78.280	68.007	72.558	75.937	77.142	77.309
63.0	102.170	98.506	89.740	77.527	67.355	71.722	75.101	76.205	76.590
63.5	101.467	97.887	89.071	76.791	66.686	70.885	74.248	75.486	75.703
64.0	100.915	97.352	88.452	76.088	66.000	70.132	73.361	74.683	74.950
64.5	100.514	96.750	87.715	75.302	65.297	69.279	72.591	73.913	74.131
65.0	99.945	96.147	87.163	74.599	64.628	68.509	71.772	73.077	73.361
65.5	99.309	95.562	86.410	73.930	63.925	67.623	70.868	72.391	72.575
66.0	98.757	95.043	85.808	73.194	63.239	66.870	70.115	71.588	71.822
66.5	98.272	94.407	85.139	72.424	62.570	66.100	69.279	70.801	71.119
67.0	97.753	93.922	84.486	71.855	61.767	65.264	68.426	70.015	70.333
67.5	97.134	93.337	83.817	71.153	61.148	64.444	67.740	69.279	69.563
68.0	96.599	92.734	83.232	70.350	60.496	63.791	66.987	68.509	68.877
68.5	96.131	92.182	82.629	69.731	59.760	62.922	66.201	67.840	68.225
69.0	95.645	91.697	81.977	69.045	59.040	62.252	65.515	67.087	67.355
69.5	95.110	91.128	81.391	68.309	58.371	61.533	64.745	66.368	66.686
70.0	94.642	90.643	80.739	67.706	57.652	60.713	64.059	65.665	66.050
70.5	94.023	90.074	80.087	67.054	56.949	59.994	63.323	64.996	65.180
71.0	93.487	89.539	79.618	66.301	56.263	59.274	62.587	64.226	64.595
71.5	93.069	89.121	79.033	65.715	55.594	58.555	61.868	63.574	63.909
72.0	92.584	88.569	78.414	65.030	54.941	57.785	61.198	62.855	63.239
72.5	92.132	88.050	77.895	64.327	54.255	57.116	60.496	62.219	62.537
73.0	91.580	87.548	77.326	63.775	53.586	56.397	59.843	61.499	61.884
73.5	91.061	87.080	76.741	63.089	52.917	55.677	59.124	60.880	61.198
74.0	90.710	86.528	76.205	62.420	52.281	54.992	58.488	60.211	60.579
74.5	90.325	86.009	75.603	61.868	51.562	54.289	57.819	59.559	59.893
75.0	89.773	85.591	75.084	61.282	50.976	53.670	57.200	58.957	59.207
75.5	89.221	85.072	74.616	60.613	50.341	53.034	56.531	58.237	58.588
76.0	88.769	84.604	74.097	60.044	49.655	52.315	55.861	57.618	57.919
76.5	88.234	84.135	73.512	59.475	49.002	51.729	55.226	56.982	57.334
77.0	87.699	83.633	73.093	58.873	48.433	51.093	54.557	56.397	56.731
77.5	87.431	83.232	72.541	58.254	47.764	50.391	53.954	55.728	56.179
78.0	86.929	82.730	71.956	57.718	47.212	49.822	53.352	55.109	55.510
78.5	86.360	82.228	71.537	57.049	46.560	49.203	52.750	54.506	54.925
79.0	86.059	81.760	71.036	56.564	45.957	48.534	52.114	53.921	54.205
79.5	85.474	81.308	70.467	56.062	45.355	47.915	51.512	53.285	53.653
80.0	85.206	80.839	70.049	55.410	44.786	47.312	50.909	52.699	53.068
80.5	84.721	80.438	69.513	54.908	44.251	46.727	50.274	52.164	52.549
81.0	84.236	80.003	69.028	54.372	43.665	46.125	49.772	51.545	51.863
81.5	83.918	79.484	68.593	53.837	43.180	45.623	49.203	50.993	51.311
82.0	83.366	79.049	68.074	53.369	42.628	45.020	48.567	50.491	50.792
82.5	82.998	78.698	67.556	52.884	42.059	44.401	48.032	49.922	50.240

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83.0	82.445	78.179	67.154	52.331	41.507	43.900	47.496	49.353	49.655
83.5	82.044	77.811	66.703	51.830	41.005	43.381	46.928	48.768	49.069
84.0	81.693	77.410	66.201	51.411	40.487	42.812	46.426	48.283	48.517
84.5	81.258	76.925	65.833	50.876	40.001	42.277	45.857	47.680	47.948
85.0	80.906	76.490	65.398	50.441	39.550	41.741	45.372	47.195	47.547
85.5	80.521	76.088	64.912	49.989	39.014	41.173	44.903	46.660	46.961
86.0	80.120	75.670	64.494	49.504	38.579	40.721	44.301	46.024	46.543
86.5	79.702	75.335	64.160	49.086	38.094	40.202	43.799	45.556	45.857
87.0	79.250	74.917	63.674	48.768	37.659	39.717	43.347	45.121	45.388
87.5	78.882	74.482	63.323	48.266	37.325	39.265	42.846	44.569	44.954
88.0	78.531	74.231	62.972	47.948	36.823	38.814	42.411	44.117	44.401
88.5	78.146	73.846	62.587	47.597	36.522	38.362	41.942	43.665	43.916
89.0	78.079	73.629	62.303	47.212	36.170	38.044	41.490	43.147	43.364
89.5	78.112	73.612	62.303	47.179	35.919	37.709	41.072	42.728	42.946
90.0	77.962	73.712	62.420	47.246	36.053	37.626	40.905	42.477	42.661
90.5	78.213	73.813	62.436	47.296	36.053	37.659	40.804	42.344	42.578
91.0	78.430	73.880	62.537	47.396	36.020	37.659	40.721	42.277	42.494
91.5	78.497	74.080	62.620	47.496	36.137	37.676	40.704	42.243	42.344
92.0	78.631	74.064	62.788	47.463	36.154	37.676	40.620	42.109	42.293
92.5	78.731	74.198	62.855	47.597	36.254	37.626	40.554	41.976	42.176
93.0	78.865	74.315	62.855	47.714	36.220	37.525	40.554	41.925	42.109
93.5	79.066	74.398	63.089	47.764	36.388	37.542	40.554	41.858	41.992
94.0	79.150	74.566	63.156	47.898	36.354	37.509	40.403	41.792	41.858
94.5	79.267	74.616	63.256	47.931	36.438	37.425	40.453	41.674	41.658
95.0	79.518	74.733	63.323	48.015	36.438	37.425	40.336	41.440	41.541
95.5	79.484	74.917	63.407	48.115	36.488	37.408	40.252	41.373	41.490
96.0	79.685	75.001	63.524	48.182	36.522	37.375	40.169	41.290	41.273
96.5	79.785	75.084	63.725	48.233	36.622	37.325	40.068	41.106	41.173
97.0	79.902	75.201	63.691	48.350	36.605	37.291	40.018	40.988	40.955
97.5	79.986	75.302	63.791	48.484	36.622	37.208	39.968	40.955	40.871
98.0	80.170	75.318	63.909	48.467	36.756	37.241	39.817	40.788	40.738
98.5	80.187	75.469	63.992	48.617	36.773	37.141	39.767	40.671	40.570
99.0	80.287	75.569	63.992	48.751	36.823	37.040	39.734	40.537	40.436
99.5	80.404	75.603	64.109	48.701	36.856	37.040	39.550	40.403	40.202
100.0	80.438	75.687	64.160	48.801	36.940	36.973	39.516	40.286	40.102
100.5	80.572	75.703	64.176	48.885	36.957	36.923	39.466	40.119	39.935
101.0	80.555	75.753	64.243	48.985	37.040	36.856	39.366	39.935	39.767
101.5	80.739	75.787	64.310	49.019	37.074	36.739	39.249	39.834	39.533
102.0	80.672	75.837	64.293	49.103	37.208	36.706	39.131	39.650	39.466
102.5	80.722	75.837	64.310	49.119	37.208	36.655	38.981	39.483	39.299
103.0	80.739	75.887	64.344	49.186	37.308	36.522	38.847	39.349	39.148
103.5	80.739	75.904	64.310	49.287	37.274	36.471	38.747	39.249	38.847
104.0	80.873	75.921	64.243	49.186	37.308	36.388	38.596	39.081	38.780
104.5	80.906	75.988	64.260	49.287	37.341	36.287	38.395	38.881	38.512
105.0	80.756	76.004	64.226	49.337	37.442	36.187	38.211	38.763	38.328
105.5	80.839	75.904	64.210	49.236	37.475	36.103	38.027	38.546	38.111
106.0	80.906	75.921	64.260	49.270	37.425	36.036	37.843	38.312	37.977
106.5	80.873	75.954	64.226	49.270	37.475	35.953	37.676	38.144	37.760
107.0	80.923	75.954	64.176	49.253	37.425	35.886	37.475	37.893	37.592
107.5	80.873	75.904	64.160	49.236	37.425	35.785	37.308	37.693	37.308
108.0	80.873	75.887	64.126	49.320	37.475	35.585	37.124	37.358	37.023
108.5	80.906	75.871	64.160	49.236	37.408	35.551	36.957	37.157	36.722
109.0	80.756	75.854	64.076	49.236	37.442	35.367	36.773	36.873	36.538
109.5	80.806	75.737	63.992	49.169	37.358	35.317	36.589	36.655	36.120
110.0	80.722	75.753	63.942	49.169	37.408	35.233	36.404	36.321	35.986
110.5	80.739	75.620	63.942	49.153	37.341	35.133	36.170	36.154	35.568

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CANDELA TABULATION - (Cont.)

111.0	80.639	75.636	63.875	49.203	37.358	35.033	36.020	35.869	35.267
111.5	80.588	75.586	63.875	49.136	37.274	34.949	35.752	35.635	35.116
112.0	80.388	75.553	63.808	49.119	37.258	34.782	35.585	35.334	34.748
112.5	80.438	75.486	63.674	49.069	37.291	34.731	35.434	35.100	34.414
113.0	80.404	75.385	63.674	49.019	37.274	34.581	35.250	34.849	34.112
113.5	80.304	75.302	63.591	48.952	37.224	34.514	34.982	34.497	33.878
114.0	80.170	75.252	63.474	48.952	37.208	34.430	34.815	34.313	33.611
114.5	80.204	75.151	63.423	48.868	37.191	34.263	34.648	33.928	33.276
115.0	80.003	75.034	63.273	48.801	37.107	34.163	34.296	33.560	32.891
115.5	79.936	75.051	63.206	48.751	37.124	34.029	34.213	33.226	32.590
116.0	79.769	74.817	63.072	48.634	36.990	34.012	33.928	32.774	32.239
116.5	79.785	74.750	62.988	48.617	37.040	33.811	33.644	32.423	31.887
117.0	79.568	74.633	62.855	48.534	36.957	33.744	33.527	32.105	31.285
117.5	79.384	74.465	62.804	48.450	36.873	33.627	33.343	31.653	30.967
118.0	79.283	74.348	62.604	48.316	36.806	33.477	33.075	31.319	30.432
118.5	79.133	74.281	62.503	48.249	36.706	33.360	32.841	30.950	30.047
119.0	78.932	74.064	62.386	48.216	36.655	33.259	32.707	30.566	29.579
119.5	78.765	73.963	62.269	48.132	36.655	33.159	32.406	30.131	29.077
120.0	78.614	73.863	62.169	47.998	36.538	33.042	32.272	29.679	28.625
120.5	78.497	73.595	62.035	47.831	36.455	32.874	32.021	29.277	28.190
121.0	78.330	73.478	61.834	47.831	36.321	32.757	31.754	28.909	27.738
121.5	78.029	73.361	61.667	47.747	36.321	32.590	31.636	28.541	27.270
122.0	77.895	73.110	61.550	47.547	36.271	32.456	31.402	28.123	26.785
122.5	77.661	72.943	61.433	47.430	36.137	32.406	31.185	27.772	26.383
123.0	77.477	72.792	61.215	47.379	36.053	32.205	31.001	27.387	25.931
123.5	77.226	72.474	61.031	47.162	35.986	32.105	30.817	27.052	25.379
124.0	77.192	72.240	60.914	47.095	35.953	32.004	30.516	26.651	25.011
124.5	76.774	72.073	60.730	46.978	35.819	31.837	30.365	26.316	24.610
125.0	76.490	71.805	60.563	46.844	35.702	31.804	30.214	25.948	24.192
125.5	76.205	71.588	60.312	46.660	35.618	31.653	30.030	25.630	23.874
126.0	75.871	71.287	60.128	46.560	35.585	31.586	29.913	25.346	23.522
126.5	75.737	71.002	59.910	46.392	35.501	31.503	29.696	25.011	23.171
127.0	75.235	70.785	59.726	46.309	35.451	31.419	29.445	24.744	22.820
127.5	74.900	70.450	59.475	46.158	35.384	31.285	29.311	24.509	22.552
128.0	74.666	70.149	59.258	45.974	35.267	31.252	29.160	24.141	22.251
128.5	74.298	69.814	59.023	45.874	35.267	31.218	28.943	23.840	21.966
129.0	73.930	69.630	58.823	45.690	35.116	31.068	28.776	23.506	21.682
129.5	73.679	69.262	58.538	45.573	35.049	30.967	28.658	23.221	21.498
130.0	73.194	69.028	58.304	45.338	34.982	30.783	28.357	22.954	21.230
130.5	72.909	68.693	58.036	45.221	34.982	30.733	28.240	22.703	20.879
131.0	72.575	68.359	57.785	45.121	34.815	30.633	28.073	22.468	20.728
131.5	72.290	68.074	57.568	44.903	34.748	30.566	27.872	22.151	20.578
132.0	71.805	67.740	57.250	44.853	34.698	30.499	27.705	21.916	20.293
132.5	71.370	67.305	57.016	44.602	34.598	30.398	27.588	21.665	20.043
133.0	71.069	66.987	56.748	44.401	34.447	30.298	27.387	21.448	19.992
133.5	70.617	66.652	56.464	44.268	34.430	30.214	27.236	21.281	19.741
134.0	70.249	66.251	56.196	44.067	34.280	30.181	27.052	21.046	19.658
134.5	69.898	65.883	55.912	43.849	34.263	30.081	26.935	20.795	19.440
135.0	69.480	65.531	55.560	43.649	34.129	29.947	26.768	20.645	19.273
135.5	69.078	65.080	55.343	43.481	34.029	29.963	26.601	20.461	19.106
136.0	68.626	64.845	55.008	43.281	33.912	29.779	26.400	20.160	18.888
136.5	68.208	64.461	54.724	43.147	33.828	29.696	26.216	20.026	18.671
137.0	67.740	64.009	54.423	42.896	33.744	29.595	26.149	19.825	18.436
137.5	67.271	63.624	54.122	42.712	33.577	29.512	25.898	19.591	18.353
138.0	66.769	63.223	53.804	42.544	33.544	29.361	25.814	19.490	18.303
138.5	66.385	62.788	53.536	42.327	33.443	29.361	25.747	19.323	18.085

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CANDELA TABULATION - (Cont.)

139.0	65.883	62.436	53.185	42.076	33.259	29.311	25.513	19.089	17.951
139.5	65.448	61.985	52.850	41.875	33.176	29.194	25.396	18.955	17.784
140.0	65.113	61.583	52.398	41.708	33.125	29.160	25.279	18.771	17.617
140.5	64.645	61.098	52.164	41.390	32.925	29.010	25.062	18.637	17.466
141.0	64.176	60.780	51.796	41.273	32.858	28.893	24.995	18.403	17.265
141.5	63.775	60.245	51.495	41.005	32.724	28.876	24.827	18.236	17.098
142.0	63.290	59.843	51.110	40.738	32.557	28.776	24.693	18.035	16.897
142.5	62.704	59.425	50.792	40.537	32.456	28.658	24.610	17.951	16.697
143.0	62.236	58.940	50.424	40.269	32.339	28.625	24.493	17.684	16.646
143.5	61.734	58.455	50.023	40.001	32.205	28.474	24.292	17.533	16.496
144.0	61.265	58.003	49.671	39.801	32.021	28.357	24.258	17.399	16.395
144.5	60.763	57.534	49.320	39.583	31.904	28.391	24.225	17.299	16.278
145.0	60.228	57.133	49.002	39.249	31.754	28.257	24.041	17.081	16.195
145.5	59.743	56.665	48.634	39.065	31.653	28.140	23.924	16.998	16.178
146.0	59.191	56.163	48.233	38.814	31.486	28.006	23.874	16.881	16.278
146.5	58.706	55.644	47.814	38.546	31.302	27.956	23.723	16.630	16.262
147.0	58.220	55.192	47.496	38.278	31.135	27.855	23.740	16.513	16.211
147.5	57.718	54.623	47.112	38.011	31.084	27.772	23.589	16.412	16.262
148.0	57.116	54.155	46.693	37.760	30.867	27.655	23.489	16.278	16.295
148.5	56.547	53.703	46.342	37.475	30.783	27.554	23.405	16.128	16.328
149.0	55.945	53.252	45.924	37.241	30.582	27.487	23.372	15.977	16.412
149.5	55.527	52.733	45.522	36.906	30.398	27.437	23.271	15.910	16.496
150.0	54.958	52.164	45.121	36.672	30.198	27.270	23.188	15.793	16.479
150.5	54.406	51.729	44.703	36.404	30.097	27.236	23.138	15.726	16.579
151.0	53.871	51.127	44.334	36.070	29.913	27.103	23.037	15.709	16.697
151.5	53.385	50.642	43.950	35.836	29.746	27.036	22.954	15.576	16.630
152.0	52.683	50.190	43.498	35.601	29.595	26.902	22.887	15.425	16.596
152.5	52.114	49.604	43.130	35.250	29.395	26.835	22.753	15.408	16.663
153.0	51.679	49.052	42.628	34.899	29.261	26.751	22.770	15.341	16.646
153.5	51.010	48.567	42.277	34.631	29.060	26.617	22.736	15.325	16.713
154.0	50.441	48.032	41.825	34.363	28.893	26.500	22.602	15.291	16.663
154.5	49.822	47.463	41.357	34.029	28.742	26.383	22.602	15.291	16.630
155.0	49.203	46.877	40.955	33.711	28.592	26.249	22.502	15.274	16.630
155.5	48.651	46.309	40.537	33.376	28.391	26.149	22.368	15.308	16.730
156.0	48.115	45.807	40.085	33.142	28.190	26.082	22.368	15.325	16.730
156.5	47.379	45.255	39.600	32.774	28.073	25.931	22.368	15.258	16.830
157.0	46.928	44.736	39.215	32.423	27.805	25.831	22.268	15.124	16.797
157.5	46.275	44.167	38.730	32.105	27.588	25.664	22.234	15.057	16.713
158.0	45.690	43.548	38.345	31.837	27.437	25.580	22.217	14.940	16.713
158.5	45.171	43.063	37.944	31.469	27.186	25.446	22.134	14.722	16.697
159.0	44.519	42.528	37.425	31.135	26.985	25.262	22.100	14.639	16.713
159.5	43.916	41.925	36.990	30.850	26.785	25.212	22.067	14.438	16.730
160.0	43.297	41.323	36.522	30.432	26.567	25.028	21.950	14.421	16.713
160.5	42.745	40.771	36.087	30.114	26.383	24.961	21.849	14.338	16.697
161.0	42.093	40.169	35.585	29.813	26.199	24.794	21.749	14.304	16.830
161.5	41.390	39.600	35.166	29.378	25.948	24.660	21.598	14.103	16.897
162.0	40.738	39.031	34.598	29.010	25.747	24.493	21.448	13.970	16.981
162.5	40.119	38.446	34.163	28.725	25.630	24.376	21.214	13.819	16.981
163.0	39.500	37.827	33.694	28.341	25.312	24.208	20.695	13.719	17.014
163.5	38.830	37.274	33.176	28.006	25.179	24.041	20.143	13.468	17.115
164.0	38.278	36.655	32.724	27.688	24.978	23.991	19.457	13.049	17.065
164.5	37.592	36.020	32.239	27.236	24.727	23.790	18.604	12.681	16.747
165.0	36.940	35.384	31.754	26.885	24.493	23.472	17.817	12.497	16.245
165.5	36.237	34.815	31.252	26.484	24.275	23.104	16.981	12.414	15.576
166.0	35.635	34.196	30.733	26.166	23.991	22.519	15.977	12.347	14.806
166.5	34.916	33.544	30.147	25.814	23.673	21.716	15.141	12.179	13.719

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CANDELA TABULATION - (Cont.)

167.0	34.179	32.925	29.679	25.480	23.171	20.862	14.471	12.096	12.430
167.5	33.527	32.306	29.194	25.062	22.452	19.842	13.802	11.744	11.309
168.0	32.774	31.570	28.525	24.744	21.448	18.738	13.384	11.510	9.971
168.5	32.088	30.917	28.023	24.342	20.561	17.700	13.116	11.226	8.733
169.0	31.385	30.315	27.554	23.740	19.357	16.596	12.815	10.674	7.261
169.5	30.649	29.679	26.935	23.004	18.286	15.525	12.698	10.071	5.688
170.0	29.880	28.993	26.316	22.017	17.081	14.706	12.464	9.201	4.233
170.5	29.144	28.123	25.664	20.996	16.061	14.170	12.129	8.131	3.062
171.0	28.391	27.320	24.710	19.925	15.208	13.635	11.862	7.194	1.874
171.5	27.705	26.634	23.890	18.805	14.622	13.334	11.393	6.391	1.238
172.0	26.902	25.865	23.087	17.734	14.103	13.116	10.590	5.437	1.104
172.5	26.216	24.811	21.966	16.947	13.652	12.732	9.653	4.500	1.087
173.0	25.011	23.857	20.896	16.211	13.267	12.297	8.700	3.597	1.037
173.5	23.573	22.770	19.691	15.341	12.782	11.410	7.445	3.045	0.887
174.0	22.803	21.364	18.303	14.639	12.380	10.122	6.157	2.811	0.770
174.5	21.548	20.009	17.048	13.836	11.627	8.833	4.919	2.526	0.652
175.0	20.043	18.554	15.843	12.832	10.540	7.361	3.932	2.309	0.502
175.5	18.085	16.864	14.421	11.811	9.201	5.755	3.363	1.907	0.368
176.0	16.128	14.990	13.016	10.590	7.779	4.367	2.978	1.589	0.485
176.5	14.020	12.882	11.360	8.867	6.123	3.363	2.543	1.121	0.385
177.0	11.560	10.741	9.503	7.110	4.634	2.827	2.141	0.736	0.318
177.5	9.017	8.332	7.746	5.538	3.413	2.493	1.807	0.485	0.318
178.0	6.307	5.839	5.906	3.764	2.509	2.075	1.422	0.402	0.535
178.5	4.015	3.731	3.898	2.392	2.024	1.706	1.071	0.435	0.368
179.0	2.359	2.242	2.091	1.489	1.573	1.355	0.836	0.402	0.418
179.5	0.836	1.271	0.803	0.803	1.087	1.087	0.519	0.418	0.586
180.0	0.602	0.602	0.602	0.602	0.602	0.602	0.602	0.602	0.602

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	68.20	N.A.	7.40
0-30	156.61	N.A.	16.90
0-40	263.52	N.A.	28.50
0-60	450.91	N.A.	48.70
0-80	596.56	N.A.	64.40
0-90	655.42	N.A.	70.80
10-90	639.96	N.A.	69.10
20-40	195.32	N.A.	21.10
20-50	296.09	N.A.	32.00
40-70	264.62	N.A.	28.60
60-80	145.65	N.A.	15.70
70-80	68.43	N.A.	7.40
80-90	58.85	N.A.	6.40
90-110	107.60	N.A.	11.60
90-120	155.04	N.A.	16.70
90-130	194.68	N.A.	21.00
90-150	248.18	N.A.	26.80
90-180	270.82	N.A.	29.20
110-180	163.22	N.A.	17.60
0-180	926.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	15.45
10-20	52.74
20-30	88.41
30-40	106.91
40-50	100.77
50-60	86.62
60-70	77.22
70-80	68.43
80-90	58.85
90-100	54.84
100-110	52.76
110-120	47.43
120-130	39.65
130-140	31.07
140-150	22.42
150-160	14.36
160-170	7.05
170-180	1.23

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAL 2 LIGHT.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	112	112	112	112	106	106	106	106	95	95	95	85	85	85	75	75	75	71
1	100	94	89	85	94	89	85	81	80	76	73	71	68	66	63	61	59	54
2	90	81	74	68	85	77	70	65	69	64	59	61	57	53	54	51	48	44
3	82	71	63	56	77	67	60	54	60	54	49	54	49	44	47	44	40	37
4	75	63	54	47	70	60	51	45	53	47	41	48	42	38	42	38	34	31
5	69	56	47	40	65	53	45	39	48	41	36	43	37	33	38	33	30	27
6	63	50	41	35	60	48	40	34	43	36	31	38	33	28	34	30	26	23
7	59	45	37	31	55	43	35	29	39	32	27	35	29	25	31	27	23	21
8	54	41	33	27	51	39	31	26	36	29	24	32	26	22	29	24	21	18
9	51	38	30	24	48	36	28	23	33	26	22	29	24	20	27	22	19	16
10	47	35	27	22	45	33	26	21	30	24	20	27	22	18	25	20	17	15

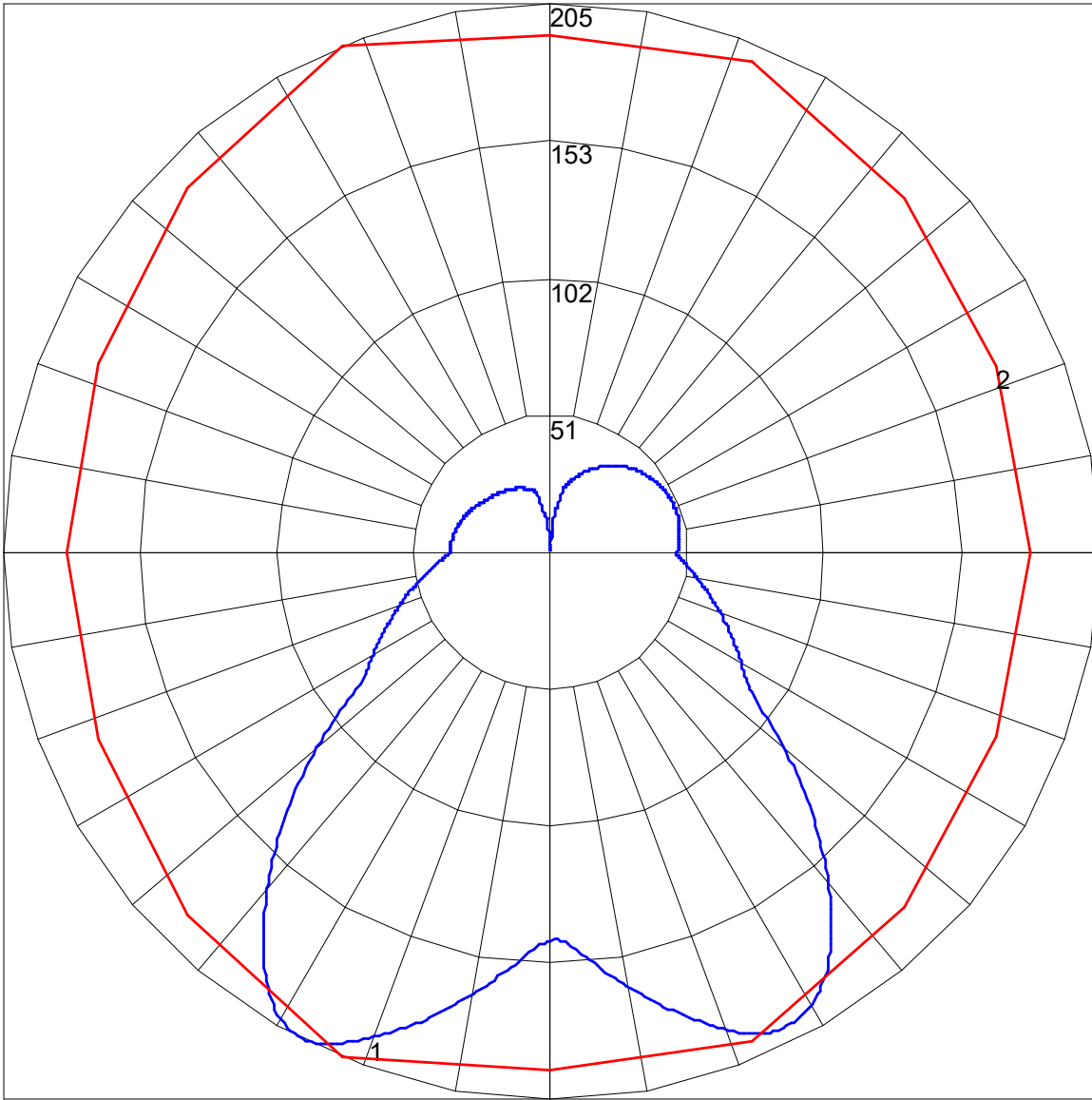
IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAL 2 LIGHT.IES

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	12.2	13.4	13.0	14.2	15.1	10.5	11.6	11.2	12.4	13.3
	3H	14.5	15.6	15.3	16.4	17.4	12.3	13.4	13.1	14.1	15.1
	4H	15.7	16.7	16.4	17.5	18.4	13.1	14.1	13.9	14.9	15.9
	6H	16.7	17.7	17.5	18.5	19.5	13.9	14.8	14.6	15.6	16.6
	8H	17.3	18.2	18.1	19.0	20.0	14.2	15.1	15.0	15.9	16.9
	12H	17.8	18.6	18.6	19.4	20.5	14.5	15.3	15.3	16.2	17.2
4H	2H	12.9	13.9	13.6	14.7	15.6	11.4	12.4	12.2	13.2	14.2
	3H	15.4	16.3	16.2	17.1	18.1	13.5	14.3	14.2	15.1	16.1
	4H	16.7	17.5	17.5	18.3	19.3	14.4	15.2	15.2	16.0	17.0
	6H	18.0	18.7	18.8	19.5	20.5	15.3	16.0	16.1	16.8	17.8
	8H	18.6	19.2	19.4	20.1	21.1	15.7	16.3	16.5	17.2	18.2
	12H	19.2	19.8	20.0	20.7	21.7	16.1	16.7	16.9	17.5	18.6
8H	4H	17.1	17.8	17.9	18.6	19.6	15.1	15.7	15.9	16.6	17.6
	6H	18.6	19.2	19.4	20.0	21.1	16.2	16.7	17.0	17.6	18.6
	8H	19.4	19.9	20.2	20.7	21.8	16.7	17.2	17.5	18.1	19.1
	12H	20.1	20.6	21.0	21.5	22.6	17.2	17.7	18.1	18.5	19.6
12H	4H	17.2	17.8	18.0	18.6	19.7	15.2	15.9	16.1	16.7	17.8
	6H	18.7	19.2	19.6	20.1	21.2	16.4	16.9	17.3	17.8	18.9
	8H	19.6	20.0	20.4	20.9	22.0	17.0	17.5	17.9	18.4	19.5

Maximum UGR = 22.6

POLAR GRAPH



Maximum Candela = 204.541 Located At Horizontal Angle = 112.5, Vertical Angle = 27.5
1 - Vertical Plane Through Horizontal Angles (112.5 - 292.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (27.5) (Through Max. Cd.)