



The Perfect Lighting Choice.™

visit us at www.JDG.com

IES INDOOR REPORT

PHOTOMETRIC FILENAME : FAB WHITE 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] Textile Woven Fabric (FAB) 2-Light Bath Bar

[LUMINAIRE] Justice Design Group - Wall mount bathroom luminaire. Product ID: FAB 2-Light

[MORE] Steel formed housing and two woven fabric lenses.

[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	827
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	55
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	2213	2368	4730
55	1866	1857	3259
65	1669	1600	2610
75	1550	1439	2485
85	1492	1354	2528

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAB WHTE 2 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	129.619	129.619	129.619	129.619	129.619	129.619	129.619	129.619	129.619
0.5	128.364	128.738	129.231	129.291	129.709	130.232	130.635	130.665	130.680
1.0	128.693	129.126	129.336	129.425	129.873	130.710	131.352	131.606	131.801
1.5	129.724	129.978	129.978	129.754	130.307	131.397	132.339	132.936	133.175
2.0	130.874	130.979	130.904	130.262	130.815	132.144	133.489	134.415	134.714
2.5	132.279	132.368	131.980	131.024	131.457	133.041	134.789	136.044	136.387
3.0	133.952	133.668	133.175	131.920	132.114	133.967	136.253	137.657	138.120
3.5	135.640	135.237	134.505	132.832	132.876	134.923	137.612	139.345	140.077
4.0	137.388	136.970	135.745	133.847	133.638	136.044	139.121	141.063	141.781
4.5	139.151	138.539	137.179	134.804	134.460	137.164	140.585	142.856	143.693
5.0	140.809	140.331	138.568	135.834	135.237	138.270	141.960	144.500	145.501
5.5	142.483	141.900	139.958	136.985	136.088	139.375	143.469	146.322	147.293
6.0	144.410	143.633	141.377	138.090	136.940	140.570	145.052	148.130	149.385
6.5	146.143	145.306	142.901	139.166	137.732	141.706	146.532	149.878	151.043
7.0	147.876	146.920	144.335	140.316	138.643	142.856	148.115	151.701	152.956
7.5	149.594	148.728	145.799	141.452	139.540	144.051	149.699	153.479	154.808
8.0	151.223	150.386	147.308	142.543	140.436	145.232	151.193	155.212	156.586
8.5	152.896	152.104	148.758	143.693	141.258	146.427	152.761	156.945	158.364
9.0	154.778	153.703	150.237	144.843	142.214	147.607	154.375	158.618	160.142
9.5	156.541	155.361	151.746	145.964	143.185	148.817	155.764	160.246	161.920
10.0	158.230	157.094	153.180	147.129	144.022	149.938	157.258	162.054	163.668
10.5	159.903	158.917	154.689	148.339	144.918	151.148	158.812	163.713	165.431
11.0	161.815	160.485	156.138	149.490	145.814	152.343	160.246	165.371	167.179
11.5	163.608	162.159	157.557	150.745	146.726	153.538	161.755	166.969	168.807
12.0	165.266	163.877	159.066	151.895	147.637	154.734	163.219	168.688	170.495
12.5	166.626	165.416	160.635	153.015	148.519	155.974	164.654	170.182	172.154
13.0	167.582	166.925	162.024	154.181	149.370	157.124	166.103	171.825	173.633
13.5	168.180	168.120	163.563	155.316	150.296	158.334	167.507	173.334	174.873
14.0	168.374	168.882	164.938	156.362	151.193	159.455	168.882	174.708	175.694
14.5	168.837	169.509	166.387	157.542	151.985	160.605	170.241	175.829	176.143
15.0	169.181	169.913	167.746	158.678	152.971	161.740	171.676	176.636	176.337
15.5	169.524	170.226	169.046	159.828	153.867	162.816	172.975	176.949	176.277
16.0	169.644	170.630	170.152	160.964	154.629	163.966	174.275	177.144	176.187
16.5	169.793	170.675	171.153	162.024	155.451	165.072	175.605	177.114	175.978
17.0	169.808	170.779	172.019	163.100	156.422	166.103	176.785	176.964	175.665
17.5	170.002	171.003	172.706	164.220	157.199	167.134	177.801	176.800	175.545
18.0	169.898	170.973	173.140	165.251	158.020	168.239	178.712	176.516	175.142
18.5	170.002	170.958	173.513	166.297	158.887	169.240	179.280	176.247	174.738
19.0	169.972	171.033	173.677	167.343	159.724	170.301	179.594	175.948	174.350
19.5	169.748	170.809	173.797	168.404	160.560	171.272	179.713	175.620	173.902
20.0	169.464	170.749	173.842	169.345	161.352	172.333	179.653	175.171	173.543
20.5	169.225	170.615	173.827	170.391	162.233	173.289	179.489	174.783	173.020
21.0	168.673	170.241	173.767	171.332	163.040	174.290	179.250	174.335	172.527
21.5	168.374	169.868	173.648	172.318	163.877	175.276	178.936	173.782	172.034
22.0	168.075	169.584	173.453	173.214	164.713	176.172	178.608	173.274	171.392
22.5	167.582	169.091	173.259	174.066	165.565	177.129	178.279	172.647	170.630
23.0	167.104	168.508	173.050	174.813	166.357	177.965	177.816	171.989	170.002
23.5	166.417	167.821	172.632	175.336	167.059	178.847	177.293	171.362	169.151
24.0	165.759	167.104	172.258	175.784	167.896	179.668	176.785	170.510	168.284
24.5	165.192	166.521	171.825	176.172	168.628	180.475	176.217	169.569	167.507
25.0	164.504	165.729	171.227	176.486	169.375	181.177	175.575	168.777	166.626
25.5	163.742	164.982	170.660	176.725	170.122	181.715	174.962	167.821	165.625
26.0	162.906	164.131	169.957	176.785	170.764	182.193	174.156	166.790	164.669
26.5	162.114	163.249	169.225	176.964	171.451	182.492	173.424	165.804	163.533

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAB WHTE 2 LIGHT.IES

CANDELA TABULATION - (Cont.)

27.0	161.023	162.278	168.404	176.905	172.079	182.627	172.602	164.654	162.458
27.5	160.276	161.457	167.552	176.785	172.691	182.656	171.631	163.593	161.352
28.0	159.171	160.456	166.551	176.501	173.259	182.537	170.660	162.413	160.157
28.5	158.110	159.290	165.535	176.187	173.902	182.178	169.599	161.203	158.872
29.0	157.094	158.185	164.534	175.620	174.529	181.715	168.448	159.903	157.587
29.5	155.974	157.139	163.399	175.037	175.097	181.088	167.283	158.603	156.272
30.0	154.853	155.989	162.189	174.320	175.560	180.296	166.028	157.273	154.823
30.5	153.449	154.793	160.949	173.438	176.158	179.444	164.624	155.839	153.314
31.0	152.343	153.688	159.649	172.662	176.621	178.488	163.264	154.375	151.895
31.5	151.148	152.418	158.394	171.735	177.144	177.442	161.830	152.941	150.296
32.0	149.729	151.088	157.139	170.660	177.652	176.232	160.366	151.432	148.802
32.5	148.444	149.833	155.660	169.614	177.950	174.903	158.827	149.818	147.039
33.0	147.054	148.429	154.285	168.374	178.324	173.453	157.333	148.175	145.411
33.5	145.456	147.144	152.896	167.059	178.608	172.034	155.779	146.487	143.469
34.0	144.156	145.665	151.357	165.819	178.518	170.331	154.106	144.858	141.825
34.5	142.767	144.231	149.923	164.280	178.294	168.702	152.478	143.125	140.018
35.0	141.123	142.722	148.369	162.741	177.547	166.999	150.700	141.362	138.090
35.5	139.659	141.332	146.875	161.158	176.531	165.236	149.026	139.584	136.193
36.0	138.105	139.704	145.262	159.499	175.216	163.369	147.279	137.657	134.385
36.5	136.462	138.180	143.753	157.707	173.663	161.591	145.501	135.894	132.398
37.0	135.013	136.656	142.139	155.869	171.705	159.589	143.678	134.042	130.501
37.5	133.459	135.058	140.436	154.002	169.255	157.632	141.825	132.070	128.484
38.0	131.816	133.414	138.882	152.134	166.551	155.660	140.003	130.127	126.497
38.5	130.232	131.786	137.179	150.132	163.742	153.583	138.016	128.081	124.570
39.0	128.633	130.232	135.551	148.145	160.844	151.596	136.133	126.138	122.613
39.5	127.110	128.559	133.862	146.083	157.946	149.505	134.176	124.092	120.551
40.0	125.795	126.960	132.129	144.037	155.032	147.443	132.249	122.090	118.624
40.5	124.271	125.332	130.396	142.020	152.268	145.321	130.202	120.073	116.622
41.0	122.732	123.763	128.708	139.898	149.505	143.245	128.215	118.056	114.694
41.5	121.582	122.224	126.900	137.926	146.830	141.123	126.153	116.009	112.842
42.0	120.327	120.685	125.137	135.849	144.350	139.002	124.122	114.007	110.974
42.5	119.281	119.161	123.330	133.758	141.796	136.835	122.000	112.035	109.182
43.0	118.385	117.742	121.567	131.696	139.390	134.714	119.879	110.108	107.314
43.5	117.608	116.517	119.744	129.530	137.134	132.488	117.802	108.255	105.760
44.0	116.965	115.277	117.981	127.408	134.878	130.247	115.591	106.298	104.251
44.5	116.009	114.321	116.203	125.406	132.697	128.051	113.454	104.580	102.832
45.0	115.217	113.395	114.381	123.150	130.516	125.720	111.288	102.922	101.682
45.5	114.470	112.513	112.707	121.074	128.484	123.509	109.241	101.413	100.546
46.0	113.649	111.781	110.959	118.952	126.333	121.148	107.120	100.008	99.471
46.5	112.782	110.944	109.256	116.831	124.316	118.788	105.013	98.783	98.335
47.0	111.901	110.063	107.673	114.590	122.149	116.442	102.832	97.648	97.185
47.5	111.124	109.286	106.029	112.438	119.953	114.022	100.845	96.512	96.034
48.0	110.332	108.494	104.625	110.287	117.757	111.617	98.858	95.437	94.839
48.5	109.465	107.583	103.250	108.016	115.486	109.137	96.871	94.301	93.838
49.0	108.763	106.776	102.070	105.895	113.170	106.776	95.048	93.211	92.762
49.5	107.956	105.940	100.860	103.654	110.795	104.311	93.285	92.090	91.642
50.0	107.165	105.148	99.799	101.487	108.375	101.965	91.732	91.059	90.641
50.5	106.373	104.296	98.709	99.411	105.835	99.530	90.267	89.939	89.595
51.0	105.656	103.534	97.782	97.379	103.295	97.080	88.938	88.923	88.490
51.5	104.998	102.668	96.946	95.108	100.740	94.705	87.758	87.832	87.548
52.0	104.132	101.965	96.199	93.121	98.036	92.344	86.637	86.891	86.577
52.5	103.534	101.189	95.362	91.119	95.272	90.013	85.681	85.860	85.591
53.0	102.787	100.382	94.570	89.057	92.658	87.713	84.605	84.799	84.620
53.5	102.160	99.650	93.748	87.279	89.954	85.531	83.604	84.023	83.634
54.0	101.517	98.992	92.987	85.442	87.309	83.365	82.648	82.947	82.753
54.5	100.666	98.216	92.180	83.769	84.799	81.378	81.677	82.036	81.946

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAB WHT2 LIGHT.IES

CANDELA TABULATION - (Cont.)

55.0	99.993	97.618	91.403	82.260	82.245	79.361	80.721	81.079	80.990
55.5	99.545	96.946	90.611	81.005	79.839	77.479	79.765	80.213	80.198
56.0	98.933	96.258	89.879	79.720	77.419	75.895	78.808	79.331	79.302
56.5	98.320	95.571	89.057	78.689	75.163	74.386	77.882	78.480	78.435
57.0	97.797	95.018	88.325	77.583	73.057	73.236	77.016	77.598	77.628
57.5	97.170	94.271	87.593	76.538	70.965	72.325	76.119	76.747	76.821
58.0	96.677	93.674	86.816	75.776	69.023	71.578	75.163	75.940	76.000
58.5	95.989	93.121	86.159	75.193	67.320	70.786	74.312	75.103	75.133
59.0	95.526	92.494	85.472	74.491	65.870	70.054	73.475	74.252	74.371
59.5	94.944	91.896	84.755	73.878	64.675	69.337	72.579	73.520	73.684
60.0	94.316	91.343	84.097	73.236	63.779	68.590	71.802	72.713	72.818
60.5	93.763	90.775	83.455	72.579	63.032	67.798	70.965	71.876	72.145
61.0	93.270	90.193	82.783	71.891	62.419	67.021	70.113	71.144	71.279
61.5	92.867	89.685	82.021	71.279	61.867	66.289	69.366	70.367	70.636
62.0	92.269	89.087	81.453	70.517	61.344	65.572	68.545	69.620	69.815
62.5	91.717	88.519	80.810	69.904	60.731	64.795	67.813	68.888	69.038
63.0	91.239	87.967	80.138	69.232	60.148	64.048	67.066	68.052	68.395
63.5	90.611	87.414	79.541	68.575	59.551	63.301	66.304	67.409	67.603
64.0	90.118	86.936	78.988	67.947	58.938	62.628	65.512	66.692	66.931
64.5	89.760	86.398	78.330	67.245	58.311	61.867	64.825	66.005	66.199
65.0	89.252	85.860	77.837	66.617	57.713	61.179	64.093	65.258	65.512
65.5	88.684	85.337	77.165	66.020	57.086	60.387	63.286	64.645	64.810
66.0	88.191	84.874	76.627	65.362	56.473	59.715	62.614	63.928	64.137
66.5	87.758	84.306	76.030	64.675	55.876	59.028	61.867	63.226	63.510
67.0	87.294	83.873	75.447	64.167	55.158	58.281	61.105	62.524	62.808
67.5	86.742	83.350	74.849	63.540	54.606	57.549	60.492	61.867	62.121
68.0	86.264	82.812	74.326	62.823	54.023	56.966	59.820	61.179	61.508
68.5	85.845	82.319	73.789	62.270	53.366	56.189	59.118	60.582	60.925
69.0	85.412	81.886	73.206	61.657	52.723	55.592	58.505	59.909	60.148
69.5	84.934	81.378	72.683	61.000	52.126	54.949	57.818	59.267	59.551
70.0	84.516	80.945	72.100	60.462	51.483	54.217	57.205	58.639	58.983
70.5	83.963	80.437	71.518	59.880	50.856	53.575	56.548	58.042	58.206
71.0	83.485	79.959	71.099	59.207	50.243	52.932	55.891	57.355	57.683
71.5	83.111	79.585	70.577	58.684	49.646	52.290	55.248	56.772	57.071
72.0	82.678	79.092	70.024	58.072	49.063	51.603	54.651	56.130	56.473
72.5	82.275	78.629	69.561	57.444	48.450	51.005	54.023	55.562	55.846
73.0	81.782	78.181	69.053	56.951	47.853	50.363	53.440	54.919	55.263
73.5	81.318	77.763	68.530	56.339	47.255	49.720	52.798	54.367	54.651
74.0	81.005	77.270	68.052	55.741	46.687	49.108	52.230	53.769	54.098
74.5	80.661	76.807	67.514	55.248	46.045	48.480	51.633	53.186	53.485
75.0	80.168	76.433	67.051	54.725	45.522	47.928	51.080	52.649	52.873
75.5	79.675	75.970	66.632	54.128	44.954	47.360	50.482	52.006	52.320
76.0	79.272	75.552	66.169	53.620	44.342	46.717	49.885	51.453	51.722
76.5	78.794	75.133	65.646	53.112	43.759	46.194	49.317	50.886	51.199
77.0	78.315	74.685	65.273	52.574	43.251	45.627	48.719	50.363	50.662
77.5	78.076	74.326	64.780	52.021	42.654	44.999	48.181	49.765	50.169
78.0	77.628	73.878	64.257	51.543	42.161	44.491	47.644	49.212	49.571
78.5	77.120	73.430	63.883	50.945	41.578	43.939	47.106	48.675	49.048
79.0	76.851	73.012	63.435	50.512	41.040	43.341	46.538	48.152	48.406
79.5	76.328	72.608	62.927	50.064	40.502	42.788	46.000	47.584	47.913
80.0	76.089	72.190	62.554	49.481	39.994	42.250	45.462	47.061	47.390
80.5	75.656	71.832	62.076	49.033	39.516	41.727	44.895	46.583	46.927
81.0	75.223	71.443	61.642	48.555	38.993	41.190	44.446	46.030	46.314
81.5	74.939	70.980	61.254	48.077	38.560	40.741	43.939	45.537	45.821
82.0	74.446	70.591	60.791	47.659	38.067	40.204	43.371	45.089	45.358
82.5	74.117	70.278	60.328	47.225	37.559	39.651	42.893	44.581	44.865

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAB WHITE 2 LIGHT.IES

CANDELA TABULATION - (Cont.)

83.0	73.624	69.815	59.969	46.732	37.066	39.203	42.415	44.073	44.342
83.5	73.266	69.486	59.566	46.284	36.618	38.739	41.907	43.550	43.819
84.0	72.952	69.127	59.118	45.911	36.155	38.231	41.458	43.117	43.326
84.5	72.564	68.694	58.789	45.433	35.722	37.753	40.951	42.579	42.818
85.0	72.250	68.306	58.400	45.044	35.318	37.275	40.517	42.146	42.459
85.5	71.906	67.947	57.967	44.641	34.840	36.767	40.099	41.668	41.937
86.0	71.548	67.574	57.594	44.207	34.452	36.364	39.561	41.100	41.563
86.5	71.174	67.275	57.295	43.834	34.018	35.901	39.113	40.682	40.951
87.0	70.771	66.901	56.862	43.550	33.630	35.468	38.710	40.293	40.532
87.5	70.442	66.513	56.548	43.102	33.331	35.064	38.261	39.800	40.144
88.0	70.128	66.289	56.234	42.818	32.883	34.661	37.873	39.397	39.651
88.5	69.785	65.945	55.891	42.504	32.614	34.257	37.455	38.993	39.217
89.0	69.725	65.751	55.637	42.161	32.300	33.974	37.051	38.530	38.724
89.5	69.755	65.736	55.637	42.131	32.076	33.675	36.678	38.157	38.351
90.0	69.620	65.826	55.741	42.191	32.196	33.600	36.528	37.933	38.097
90.5	69.844	65.915	55.756	42.235	32.196	33.630	36.439	37.813	38.022
91.0	70.039	65.975	55.846	42.325	32.166	33.630	36.364	37.753	37.948
91.5	70.098	66.154	55.920	42.415	32.270	33.645	36.349	37.723	37.813
92.0	70.218	66.139	56.070	42.385	32.285	33.645	36.274	37.604	37.768
92.5	70.308	66.259	56.130	42.504	32.375	33.600	36.215	37.484	37.664
93.0	70.427	66.363	56.130	42.609	32.345	33.510	36.215	37.440	37.604
93.5	70.606	66.438	56.339	42.654	32.494	33.525	36.215	37.380	37.499
94.0	70.681	66.588	56.398	42.773	32.465	33.495	36.080	37.320	37.380
94.5	70.786	66.632	56.488	42.803	32.539	33.421	36.125	37.216	37.201
95.0	71.010	66.737	56.548	42.878	32.539	33.421	36.020	37.006	37.096
95.5	70.980	66.901	56.623	42.967	32.584	33.406	35.946	36.947	37.051
96.0	71.159	66.976	56.727	43.027	32.614	33.376	35.871	36.872	36.857
96.5	71.249	67.051	56.906	43.072	32.704	33.331	35.781	36.708	36.767
97.0	71.353	67.155	56.877	43.177	32.689	33.301	35.736	36.603	36.573
97.5	71.428	67.245	56.966	43.296	32.704	33.227	35.692	36.573	36.498
98.0	71.592	67.260	57.071	43.281	32.823	33.256	35.557	36.424	36.379
98.5	71.607	67.394	57.145	43.416	32.838	33.167	35.512	36.319	36.229
99.0	71.697	67.484	57.145	43.535	32.883	33.077	35.482	36.200	36.110
99.5	71.802	67.514	57.250	43.490	32.913	33.077	35.318	36.080	35.901
100.0	71.832	67.589	57.295	43.580	32.988	33.017	35.288	35.976	35.811
100.5	71.951	67.603	57.310	43.655	33.002	32.973	35.243	35.826	35.662
101.0	71.936	67.648	57.370	43.744	33.077	32.913	35.154	35.662	35.512
101.5	72.100	67.678	57.429	43.774	33.107	32.808	35.049	35.572	35.303
102.0	72.041	67.723	57.414	43.849	33.227	32.778	34.945	35.408	35.243
102.5	72.085	67.723	57.429	43.864	33.227	32.734	34.810	35.258	35.094
103.0	72.100	67.768	57.459	43.924	33.316	32.614	34.691	35.139	34.960
103.5	72.100	67.783	57.429	44.013	33.286	32.569	34.601	35.049	34.691
104.0	72.220	67.798	57.370	43.924	33.316	32.494	34.467	34.900	34.631
104.5	72.250	67.857	57.385	44.013	33.346	32.405	34.287	34.721	34.392
105.0	72.115	67.872	57.355	44.058	33.436	32.315	34.123	34.616	34.228
105.5	72.190	67.783	57.340	43.968	33.466	32.241	33.959	34.422	34.033
106.0	72.250	67.798	57.385	43.998	33.421	32.181	33.794	34.213	33.914
106.5	72.220	67.828	57.355	43.998	33.466	32.106	33.645	34.063	33.720
107.0	72.265	67.828	57.310	43.983	33.421	32.046	33.466	33.839	33.570
107.5	72.220	67.783	57.295	43.968	33.421	31.957	33.316	33.660	33.316
108.0	72.220	67.768	57.265	44.043	33.466	31.777	33.152	33.361	33.062
108.5	72.250	67.753	57.295	43.968	33.406	31.747	33.002	33.182	32.793
109.0	72.115	67.738	57.220	43.968	33.436	31.583	32.838	32.928	32.629
109.5	72.160	67.633	57.145	43.909	33.361	31.538	32.674	32.734	32.255
110.0	72.085	67.648	57.101	43.909	33.406	31.464	32.509	32.435	32.136
110.5	72.100	67.529	57.101	43.894	33.346	31.374	32.300	32.285	31.762

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAB WHTE 2 LIGHT.IES

CANDELA TABULATION - (Cont.)

111.0	72.011	67.544	57.041	43.939	33.361	31.284	32.166	32.031	31.494
111.5	71.966	67.499	57.041	43.879	33.286	31.210	31.927	31.822	31.359
112.0	71.787	67.469	56.981	43.864	33.271	31.060	31.777	31.553	31.030
112.5	71.832	67.409	56.862	43.819	33.301	31.015	31.643	31.344	30.732
113.0	71.802	67.320	56.862	43.774	33.286	30.881	31.479	31.120	30.463
113.5	71.712	67.245	56.787	43.714	33.241	30.821	31.240	30.806	30.253
114.0	71.592	67.200	56.682	43.714	33.227	30.747	31.090	30.642	30.014
114.5	71.622	67.110	56.638	43.640	33.212	30.597	30.941	30.298	29.716
115.0	71.443	67.006	56.503	43.580	33.137	30.507	30.627	29.970	29.372
115.5	71.383	67.021	56.443	43.535	33.152	30.388	30.552	29.671	29.103
116.0	71.234	66.812	56.324	43.431	33.032	30.373	30.298	29.267	28.789
116.5	71.249	66.752	56.249	43.416	33.077	30.194	30.044	28.954	28.476
117.0	71.055	66.647	56.130	43.341	33.002	30.134	29.940	28.670	27.938
117.5	70.890	66.498	56.085	43.266	32.928	30.029	29.775	28.266	27.654
118.0	70.801	66.393	55.905	43.147	32.868	29.895	29.536	27.968	27.176
118.5	70.666	66.334	55.816	43.087	32.778	29.790	29.327	27.639	26.832
119.0	70.487	66.139	55.711	43.057	32.734	29.701	29.208	27.295	26.414
119.5	70.338	66.050	55.607	42.982	32.734	29.611	28.939	26.907	25.966
120.0	70.203	65.960	55.517	42.863	32.629	29.506	28.819	26.504	25.562
120.5	70.098	65.721	55.398	42.713	32.554	29.357	28.595	26.145	25.174
121.0	69.949	65.616	55.218	42.713	32.435	29.253	28.356	25.816	24.771
121.5	69.680	65.512	55.069	42.639	32.435	29.103	28.252	25.488	24.352
122.0	69.561	65.288	54.964	42.459	32.390	28.984	28.042	25.114	23.919
122.5	69.351	65.138	54.860	42.355	32.270	28.939	27.848	24.800	23.560
123.0	69.187	65.004	54.665	42.310	32.196	28.759	27.684	24.457	23.157
123.5	68.963	64.720	54.501	42.116	32.136	28.670	27.519	24.158	22.664
124.0	68.933	64.511	54.397	42.056	32.106	28.580	27.251	23.799	22.335
124.5	68.560	64.362	54.232	41.952	31.987	28.431	27.116	23.501	21.977
125.0	68.306	64.122	54.083	41.832	31.882	28.401	26.982	23.172	21.603
125.5	68.052	63.928	53.859	41.668	31.807	28.266	26.817	22.888	21.319
126.0	67.753	63.659	53.694	41.578	31.777	28.207	26.713	22.634	21.006
126.5	67.633	63.405	53.500	41.429	31.703	28.132	26.518	22.335	20.692
127.0	67.185	63.211	53.336	41.354	31.658	28.057	26.294	22.096	20.378
127.5	66.886	62.912	53.112	41.219	31.598	27.938	26.175	21.887	20.139
128.0	66.677	62.643	52.917	41.055	31.494	27.908	26.040	21.558	19.870
128.5	66.349	62.345	52.708	40.965	31.494	27.878	25.846	21.289	19.616
129.0	66.020	62.180	52.529	40.801	31.359	27.744	25.697	20.991	19.362
129.5	65.796	61.852	52.275	40.697	31.299	27.654	25.592	20.737	19.198
130.0	65.362	61.642	52.066	40.487	31.240	27.490	25.323	20.498	18.959
130.5	65.109	61.344	51.827	40.383	31.240	27.445	25.219	20.274	18.645
131.0	64.810	61.045	51.603	40.293	31.090	27.355	25.069	20.064	18.511
131.5	64.556	60.791	51.409	40.099	31.030	27.295	24.890	19.781	18.376
132.0	64.122	60.492	51.125	40.054	30.986	27.236	24.741	19.571	18.122
132.5	63.734	60.104	50.916	39.830	30.896	27.146	24.636	19.347	17.898
133.0	63.465	59.820	50.676	39.651	30.761	27.056	24.457	19.153	17.853
133.5	63.062	59.521	50.422	39.531	30.747	26.982	24.322	19.004	17.629
134.0	62.733	59.162	50.183	39.352	30.612	26.952	24.158	18.795	17.554
134.5	62.419	58.834	49.929	39.158	30.597	26.862	24.053	18.570	17.360
135.0	62.046	58.520	49.616	38.978	30.478	26.743	23.904	18.436	17.211
135.5	61.687	58.117	49.422	38.829	30.388	26.758	23.755	18.272	17.061
136.0	61.284	57.907	49.123	38.650	30.283	26.593	23.575	18.003	16.867
136.5	60.910	57.564	48.869	38.530	30.209	26.518	23.411	17.883	16.673
137.0	60.492	57.160	48.600	38.306	30.134	26.429	23.351	17.704	16.464
137.5	60.074	56.817	48.331	38.142	29.985	26.354	23.127	17.495	16.389
138.0	59.626	56.458	48.047	37.992	29.955	26.220	23.052	17.405	16.344
138.5	59.282	56.070	47.808	37.798	29.865	26.220	22.993	17.256	16.150

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAB WHTE 2 LIGHT.IES

CANDELA TABULATION - (Cont.)

139.0	58.834	55.756	47.494	37.574	29.701	26.175	22.783	17.047	16.031
139.5	58.445	55.353	47.195	37.395	29.626	26.070	22.679	16.927	15.881
140.0	58.146	54.994	46.792	37.245	29.581	26.040	22.574	16.763	15.732
140.5	57.728	54.561	46.583	36.962	29.402	25.906	22.380	16.643	15.597
141.0	57.310	54.277	46.254	36.857	29.342	25.801	22.320	16.434	15.418
141.5	56.951	53.799	45.985	36.618	29.223	25.786	22.171	16.285	15.269
142.0	56.518	53.440	45.642	36.379	29.073	25.697	22.051	16.105	15.089
142.5	55.995	53.067	45.358	36.200	28.984	25.592	21.977	16.031	14.910
143.0	55.577	52.634	45.029	35.961	28.879	25.562	21.872	15.792	14.865
143.5	55.129	52.200	44.671	35.722	28.759	25.428	21.693	15.657	14.731
144.0	54.710	51.797	44.357	35.542	28.595	25.323	21.663	15.538	14.641
144.5	54.262	51.379	44.043	35.348	28.491	25.353	21.633	15.448	14.537
145.0	53.784	51.020	43.759	35.049	28.356	25.234	21.469	15.254	14.462
145.5	53.351	50.602	43.431	34.885	28.266	25.129	21.364	15.179	14.447
146.0	52.858	50.154	43.072	34.661	28.117	25.010	21.319	15.074	14.537
146.5	52.424	49.690	42.699	34.422	27.953	24.965	21.185	14.850	14.522
147.0	51.991	49.287	42.415	34.183	27.803	24.875	21.200	14.746	14.477
147.5	51.543	48.779	42.071	33.944	27.759	24.800	21.065	14.656	14.522
148.0	51.005	48.361	41.698	33.720	27.564	24.696	20.976	14.537	14.552
148.5	50.497	47.957	41.384	33.466	27.490	24.606	20.901	14.402	14.581
149.0	49.959	47.554	41.010	33.256	27.310	24.546	20.871	14.268	14.656
149.5	49.586	47.091	40.652	32.958	27.146	24.502	20.782	14.208	14.731
150.0	49.078	46.583	40.293	32.748	26.967	24.352	20.707	14.103	14.716
150.5	48.585	46.194	39.920	32.509	26.877	24.322	20.662	14.044	14.806
151.0	48.107	45.657	39.591	32.211	26.713	24.203	20.572	14.029	14.910
151.5	47.674	45.223	39.247	32.001	26.563	24.143	20.498	13.909	14.850
152.0	47.046	44.820	38.844	31.792	26.429	24.024	20.438	13.775	14.820
152.5	46.538	44.297	38.515	31.479	26.250	23.964	20.318	13.760	14.880
153.0	46.150	43.804	38.067	31.165	26.130	23.889	20.333	13.700	14.865
153.5	45.552	43.371	37.753	30.926	25.951	23.770	20.303	13.685	14.925
154.0	45.044	42.893	37.350	30.687	25.801	23.665	20.184	13.655	14.880
154.5	44.491	42.385	36.932	30.388	25.667	23.560	20.184	13.655	14.850
155.0	43.939	41.862	36.573	30.104	25.532	23.441	20.094	13.640	14.850
155.5	43.446	41.354	36.200	29.805	25.353	23.351	19.975	13.670	14.940
156.0	42.967	40.906	35.796	29.596	25.174	23.291	19.975	13.685	14.940
156.5	42.310	40.413	35.363	29.267	25.069	23.157	19.975	13.625	15.030
157.0	41.907	39.950	35.019	28.954	24.830	23.067	19.885	13.506	15.000
157.5	41.324	39.442	34.586	28.670	24.636	22.918	19.855	13.446	14.925
158.0	40.801	38.889	34.242	28.431	24.502	22.843	19.840	13.341	14.925
158.5	40.338	38.456	33.884	28.102	24.277	22.724	19.766	13.147	14.910
159.0	39.755	37.977	33.421	27.803	24.098	22.559	19.736	13.072	14.925
159.5	39.217	37.440	33.032	27.549	23.919	22.515	19.706	12.893	14.940
160.0	38.665	36.902	32.614	27.176	23.725	22.350	19.601	12.878	14.925
160.5	38.172	36.409	32.226	26.892	23.560	22.290	19.512	12.804	14.910
161.0	37.589	35.871	31.777	26.623	23.396	22.141	19.422	12.774	15.030
161.5	36.962	35.363	31.404	26.235	23.172	22.022	19.288	12.594	15.089
162.0	36.379	34.855	30.896	25.906	22.993	21.872	19.153	12.475	15.164
162.5	35.826	34.332	30.507	25.652	22.888	21.768	18.944	12.340	15.164
163.0	35.273	33.779	30.089	25.308	22.604	21.618	18.481	12.251	15.194
163.5	34.676	33.286	29.626	25.010	22.485	21.469	17.988	12.027	15.284
164.0	34.183	32.734	29.223	24.726	22.305	21.424	17.375	11.653	15.239
164.5	33.570	32.166	28.789	24.322	22.081	21.245	16.613	11.325	14.955
165.0	32.988	31.598	28.356	24.009	21.872	20.961	15.911	11.160	14.507
165.5	32.360	31.090	27.908	23.650	21.678	20.632	15.164	11.085	13.909
166.0	31.822	30.537	27.445	23.366	21.424	20.109	14.268	11.026	13.222
166.5	31.180	29.955	26.922	23.052	21.140	19.392	13.521	10.876	12.251

**IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAB WHTE 2 LIGHT.IES**

CANDELA TABULATION - (Cont.)

167.0	30.522	29.402	26.504	22.754	20.692	18.630	12.923	10.802	11.100
167.5	29.940	28.849	26.070	22.380	20.049	17.719	12.325	10.488	10.099
168.0	29.267	28.192	25.473	22.096	19.153	16.733	11.952	10.279	8.904
168.5	28.655	27.609	25.024	21.738	18.361	15.807	11.713	10.025	7.799
169.0	28.027	27.071	24.606	21.200	17.286	14.820	11.444	9.532	6.484
169.5	27.370	26.504	24.053	20.542	16.329	13.864	11.339	8.994	5.080
170.0	26.683	25.891	23.501	19.661	15.254	13.132	11.130	8.217	3.780
170.5	26.025	25.114	22.918	18.750	14.342	12.654	10.831	7.261	2.734
171.0	25.353	24.397	22.066	17.794	13.580	12.176	10.592	6.424	1.673
171.5	24.741	23.784	21.334	16.793	13.058	11.907	10.174	5.707	1.106
172.0	24.024	23.097	20.617	15.836	12.594	11.713	9.457	4.855	0.986
172.5	23.411	22.156	19.616	15.134	12.191	11.369	8.620	4.019	0.971
173.0	22.335	21.304	18.660	14.477	11.847	10.981	7.769	3.212	0.926
173.5	21.050	20.333	17.584	13.700	11.414	10.189	6.648	2.719	0.792
174.0	20.363	19.078	16.344	13.072	11.056	9.039	5.498	2.510	0.687
174.5	19.243	17.868	15.224	12.355	10.383	7.888	4.392	2.256	0.583
175.0	17.898	16.568	14.148	11.459	9.412	6.574	3.511	2.062	0.448
175.5	16.150	15.060	12.878	10.548	8.217	5.139	3.003	1.703	0.329
176.0	14.402	13.386	11.623	9.457	6.947	3.899	2.659	1.419	0.433
176.5	12.520	11.504	10.144	7.918	5.468	3.003	2.271	1.001	0.344
177.0	10.324	9.591	8.486	6.349	4.138	2.525	1.912	0.657	0.284
177.5	8.053	7.440	6.917	4.945	3.048	2.226	1.614	0.433	0.284
178.0	5.632	5.214	5.274	3.361	2.241	1.853	1.270	0.359	0.478
178.5	3.586	3.332	3.481	2.136	1.808	1.524	0.956	0.388	0.329
179.0	2.107	2.002	1.867	1.330	1.404	1.210	0.747	0.359	0.373
179.5	0.747	1.135	0.717	0.717	0.971	0.971	0.463	0.373	0.523
180.0	0.538	0.538	0.538	0.538	0.538	0.538	0.538	0.538	0.538

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAB WHITE 2 LIGHT.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	60.90	N.A.	7.40
0-30	139.85	N.A.	16.90
0-40	235.32	N.A.	28.50
0-60	402.67	N.A.	48.70
0-80	532.73	N.A.	64.40
0-90	585.29	N.A.	70.80
10-90	571.49	N.A.	69.10
20-40	174.42	N.A.	21.10
20-50	264.41	N.A.	32.00
40-70	236.31	N.A.	28.60
60-80	130.07	N.A.	15.70
70-80	61.11	N.A.	7.40
80-90	52.56	N.A.	6.40
90-110	96.09	N.A.	11.60
90-120	138.45	N.A.	16.70
90-130	173.85	N.A.	21.00
90-150	221.63	N.A.	26.80
90-180	241.84	N.A.	29.20
110-180	145.75	N.A.	17.60
0-180	827.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	13.80
10-20	47.10
20-30	78.95
30-40	95.47
40-50	89.99
50-60	77.36
60-70	68.96
70-80	61.11
80-90	52.56
90-100	48.97
100-110	47.12
110-120	42.36
120-130	35.41
130-140	27.75
140-150	20.02
150-160	12.82
160-170	6.30
170-180	1.10

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

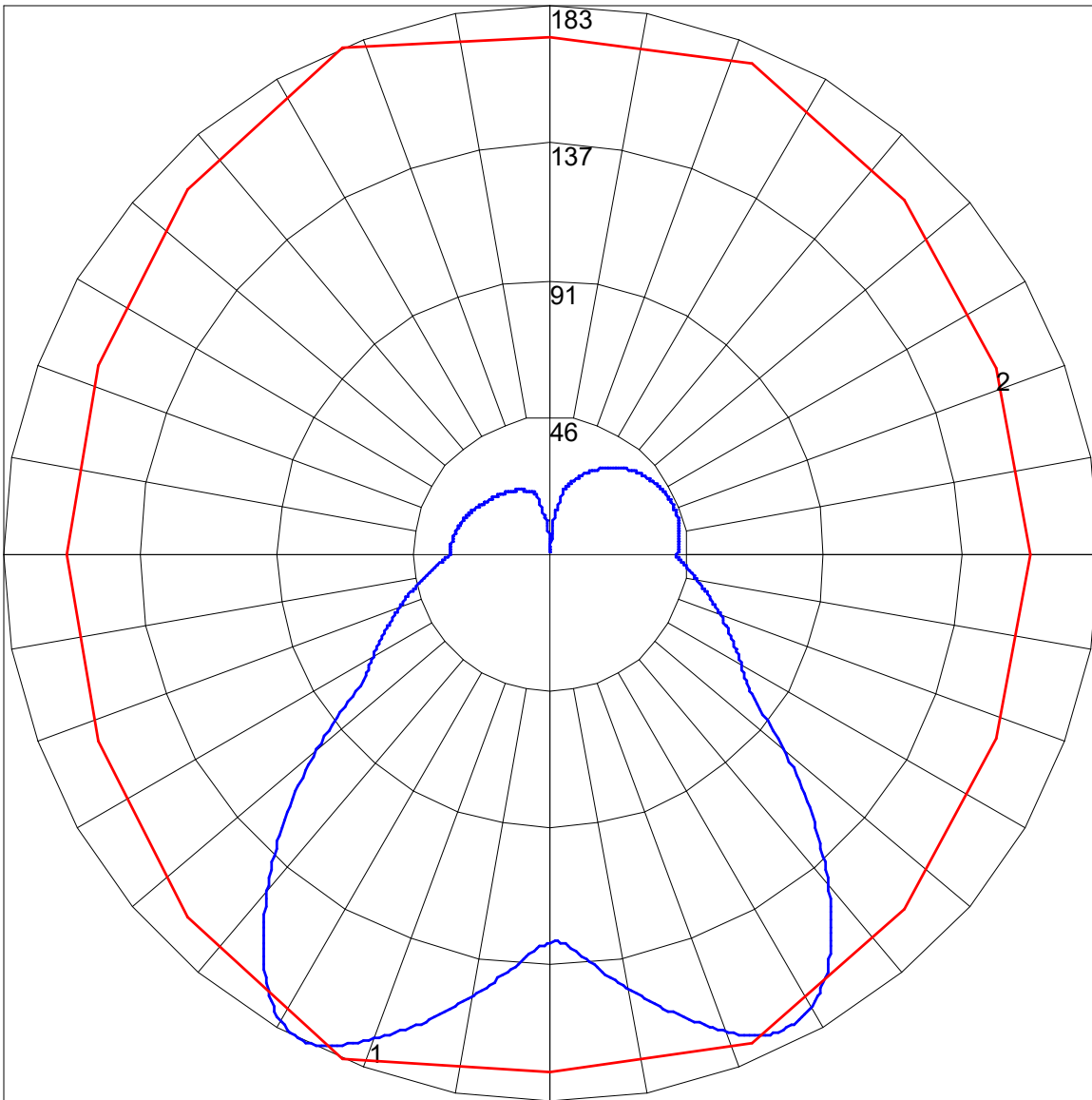
IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAB WHITE 2 LIGHT.IES

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	13.3	14.4	14.0	15.2	16.1	10.1	11.2	10.8	12.0	12.9
	3H	16.0	17.0	16.7	17.8	18.8	11.9	13.0	12.7	13.7	14.7
	4H	17.3	18.3	18.1	19.1	20.1	12.7	13.7	13.5	14.5	15.5
	6H	18.7	19.7	19.5	20.5	21.5	13.5	14.4	14.2	15.2	16.2
	8H	19.4	20.3	20.2	21.1	22.1	13.8	14.7	14.6	15.5	16.5
	12H	20.1	21.0	20.9	21.8	22.8	14.1	14.9	14.9	15.8	16.8
4H	2H	13.6	14.6	14.4	15.4	16.4	11.0	12.0	11.8	12.8	13.8
	3H	16.5	17.4	17.3	18.2	19.2	13.1	13.9	13.8	14.7	15.7
	4H	18.1	18.9	18.9	19.7	20.7	14.0	14.8	14.8	15.6	16.6
	6H	19.7	20.3	20.5	21.2	22.2	14.9	15.6	15.7	16.4	17.4
	8H	20.4	21.1	21.3	22.0	23.0	15.3	15.9	16.1	16.8	17.8
	12H	21.3	21.9	22.1	22.7	23.8	15.7	16.3	16.5	17.1	18.2
8H	4H	18.3	18.9	19.1	19.8	20.8	14.7	15.3	15.5	16.2	17.2
	6H	20.0	20.6	20.9	21.5	22.5	15.8	16.3	16.6	17.2	18.2
	8H	21.0	21.5	21.8	22.4	23.4	16.3	16.8	17.1	17.7	18.7
	12H	22.0	22.4	22.8	23.3	24.4	16.8	17.3	17.7	18.1	19.2
12H	4H	18.3	18.9	19.1	19.7	20.8	14.8	15.5	15.7	16.3	17.4
	6H	20.1	20.6	20.9	21.4	22.5	16.0	16.5	16.9	17.4	18.5
	8H	21.1	21.5	21.9	22.4	23.5	16.6	17.1	17.5	18.0	19.1

Maximum UGR = 24.4

POLAR GRAPH



Maximum Candela = 182.656 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.)