



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BLS-4A-3500°K-P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB] BEGHELLI

[TESTDATE] 2017/9/29

[ISSUEDATE] 2017/9/29 11:30:05

[NEARFIELD]

[LAMPPOSITION] "0,0"

[MANUFAC] BEGHELLI

[LUMCAT]

[LUMINAIRE] BLS-4A-3500°K-P

IESNA:LM-63-2002

[LAMP] LED

[OTHER] Luminous shape: Rectangle

[OTHER] Luminous dimensions (feet)

[OTHER] 0 - 180 Axis: 4.2

[OTHER] 90 - 270 Axis: 0.6

[OTHER] Height: 0.1

CHARACTERISTICS

Lumens Per Lamp	2655.95 (1 lamp)
Total Lamp Lumens	2655.95
Luminaire Lumens	2656
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	30.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.96
Spacing Criterion (90-270)	1.92
Spacing Criterion (Diagonal)	1.78
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.10 m
Luminous Width (90-270)	0.10 m
Luminous Height	0.00 m

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	107966	154738	108758
55	65786	181531	168535
65	19687	167980	351333
75	11833	59567	78839
85	12118	19486	29533

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CANDELA TABULATION

	0	30	60	90	120	150	180	210	240	270
0	575.089	575.089	575.089	575.089	575.089	575.089	575.089	575.089	575.089	575.089
1	583.824	583.519	574.696	571.299	570.365	572.360	570.257	572.234	567.705	570.653
2	589.934	589.683	578.469	571.605	567.112	565.657	562.440	565.801	563.824	570.401
3	595.972	594.912	582.908	572.378	563.231	558.469	552.826	558.271	559.224	570.599
4	601.525	601.076	587.311	573.546	559.349	550.257	542.655	549.897	554.947	571.264
5	607.617	606.035	592.396	575.019	555.504	541.451	531.748	540.966	551.101	572.036
6	613.888	612.073	597.248	576.385	551.425	531.640	519.654	532.251	547.381	573.204
7	620.303	618.237	602.315	578.128	547.956	521.433	507.380	521.882	543.644	574.839
8	627.114	624.419	607.221	580.033	544.147	510.076	493.957	510.831	539.888	577.050
9	634.751	632.361	612.774	582.063	539.762	499.007	478.431	500.085	535.378	579.242
10	644.114	640.825	619.261	584.166	535.845	487.721	463.785	488.746	531.604	581.902
11	654.572	650.996	625.425	586.448	532.179	476.400	450.164	477.227	527.974	584.615
12	666.594	662.946	632.523	589.144	527.363	465.061	434.387	464.540	524.110	587.365
13	679.748	676.226	640.681	592.127	522.888	453.129	419.418	452.878	519.816	589.593
14	694.196	691.249	649.325	594.984	517.426	440.425	402.364	439.706	515.179	591.749
15	710.207	707.080	657.825	597.536	511.639	426.893	385.616	427.864	509.914	594.570
16	728.303	723.505	667.816	599.836	505.799	412.823	369.929	413.596	504.577	597.589
17	747.045	741.762	678.274	602.711	498.917	398.627	351.941	400.100	498.306	600.339
18	765.878	760.541	689.793	606.143	492.322	384.934	335.103	386.173	492.735	603.340
19	785.555	781.098	702.570	609.719	485.242	370.791	317.385	372.822	486.571	607.078
20	806.112	801.332	716.766	613.511	478.359	356.253	300.439	357.961	480.641	610.815
21	826.095	821.566	731.232	617.069	471.351	340.458	283.116	342.758	473.903	614.894
22	846.023	841.819	746.129	620.537	464.307	324.662	265.362	327.573	467.613	619.028
23	865.934	863.275	762.158	625.011	457.604	309.262	250.069	314.312	461.234	623.574
24	884.856	884.353	777.522	630.025	450.110	294.203	233.160	299.864	455.124	628.516
25	903.761	904.839	793.479	635.883	442.850	278.641	219.107	285.722	449.086	634.410
26	920.922	924.839	808.341	641.238	434.189	264.212	203.581	271.759	441.629	641.041
27	936.664	943.636	824.513	646.575	426.300	249.584	190.050	258.587	434.782	647.025
28	949.728	960.779	841.261	651.553	418.537	235.819	178.280	245.828	427.630	652.757
29	961.911	979.109	859.699	656.764	410.217	222.665	166.509	232.495	420.748	659.047
30	971.885	995.066	876.464	662.802	401.304	210.895	155.745	221.246	413.596	665.102
31	979.756	1008.148	893.985	668.553	392.714	200.347	145.844	209.439	406.084	671.446
32	986.314	1019.882	910.356	675.094	384.233	189.978	136.787	198.819	398.123	677.466
33	990.681	1030.323	927.966	681.473	375.966	179.951	129.635	187.444	389.588	683.018
34	993.592	1040.566	945.163	688.158	367.233	169.528	123.345	177.058	380.980	688.427
35	993.772	1048.041	963.565	694.699	357.260	159.609	117.883	166.887	370.953	693.944
36	990.160	1054.870	980.906	701.240	347.322	150.282	113.516	157.938	361.519	700.180
37	982.595	1060.099	999.091	705.984	336.325	141.926	110.263	149.150	351.276	706.415
38	970.932	1063.873	1017.097	711.842	326.729	133.319	108.826	140.147	342.129	713.010
39	956.790	1067.305	1035.319	718.150	316.163	125.592	107.568	131.899	332.246	719.192
40	935.801	1068.976	1054.241	725.302	306.297	117.847	107.819	124.837	323.584	725.984
41	908.846	1066.568	1074.187	733.406	296.863	110.587	108.682	117.847	315.246	733.190
42	877.920	1062.004	1096.165	741.816	286.800	103.561	112.725	111.503	305.542	741.492
43	842.501	1054.690	1118.393	749.920	277.509	96.768	118.835	104.477	296.306	750.549
44	804.028	1043.675	1139.418	759.103	267.249	90.514	128.611	97.056	286.422	760.253
45	763.757	1026.100	1163.156	769.364	258.084	84.243	142.160	90.982	277.509	770.208
46	724.906	1003.494	1188.242	779.750	248.883	79.068	167.569	84.872	268.956	781.332
47	684.510	976.108	1214.173	791.916	240.006	74.359	206.690	79.876	261.193	793.300
48	645.982	944.588	1241.110	805.555	230.913	70.873	273.754	75.833	252.980	807.658
49	605.442	909.475	1270.149	821.315	222.809	67.854	313.323	72.131	245.325	823.489
50	567.076	870.678	1299.925	839.824	214.938	65.680	312.155	69.741	237.400	843.580
51	526.015	829.743	1332.990	859.357	207.535	63.991	283.242	67.926	230.410	866.383
52	485.529	787.729	1363.395	881.119	200.436	62.787	229.745	66.740	223.474	889.762
53	449.122	741.133	1389.074	905.324	193.087	61.403	183.832	65.950	216.573	915.154

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CANDELA TABULATION - (Cont.)

54	411.044	698.562	1413.298	931.884	186.042	59.930	171.020	64.189	209.691	942.360
55	377.494	651.499	1431.825	967.087	178.980	59.750	235.765	61.870	203.150	976.647
56	345.364	604.705	1444.332	1007.735	172.888	60.217	267.518	60.343	196.717	1019.649
57	313.269	554.084	1449.399	1055.463	167.605	57.558	268.381	59.858	191.110	1071.815
58	282.397	506.877	1446.847	1106.983	162.376	54.215	222.054	57.522	185.521	1129.068
59	251.112	464.666	1435.688	1166.553	156.949	51.466	162.556	54.557	179.915	1195.251
60	210.895	425.060	1415.131	1228.567	151.954	49.435	128.844	52.203	175.386	1264.650
61	167.138	388.635	1388.266	1292.612	147.102	48.950	104.243	51.502	170.768	1334.571
62	137.703	353.971	1353.835	1350.187	142.483	48.609	87.028	51.987	166.437	1397.610
63	118.565	314.060	1314.535	1404.690	138.494	47.171	78.924	49.884	162.358	1457.414
64	100.434	261.139	1266.232	1450.244	134.613	44.332	73.407	47.926	158.351	1506.651
65	83.237	214.561	1205.871	1485.429	131.845	42.750	69.490	46.021	154.955	1541.369
66	71.323	185.611	1148.906	1496.498	130.372	41.187	66.507	44.673	154.002	1553.732
67	62.176	156.859	1083.676	1487.064	130.174	40.091	64.009	43.685	154.128	1532.851
68	55.635	131.935	1016.702	1449.255	130.929	39.264	61.637	42.553	155.350	1457.072
69	50.675	110.443	943.313	1359.046	133.427	38.689	59.966	41.493	158.477	1327.833
70	46.255	93.120	860.831	1202.403	137.218	38.204	60.792	40.846	163.239	1132.266
71	42.409	79.589	769.777	991.544	141.818	37.845	60.397	40.324	170.265	824.801
72	38.995	68.897	661.472	681.904	146.581	37.359	58.312	40.001	176.662	523.284
73	36.030	59.966	531.999	476.400	147.677	37.000	55.042	39.570	179.322	335.983
74	33.226	52.436	396.865	272.604	140.111	36.802	53.029	39.031	171.074	243.852
75	30.639	46.344	262.127	204.138	122.609	36.569	53.011	38.545	147.892	188.163
76	28.177	41.151	179.807	159.016	100.236	36.659	51.843	38.150	116.122	128.108
77	24.529	36.587	112.528	108.898	79.122	36.766	48.105	37.449	87.819	74.593
78	23.019	32.597	71.179	63.685	61.601	36.713	43.649	36.371	65.411	47.171
79	21.780	29.363	52.903	41.151	47.872	35.742	39.426	34.987	49.723	36.856
80	19.767	26.955	41.726	34.502	37.863	33.783	30.315	33.137	38.635	31.897
81	17.898	24.781	34.215	31.250	31.124	30.926	25.409	31.016	31.933	28.321
82	15.921	22.570	29.129	28.698	26.398	28.015	22.283	28.374	26.937	25.966
83	13.819	19.677	25.625	27.692	23.433	25.068	20.701	26.128	23.810	24.134
84	12.076	16.928	22.570	28.015	20.809	22.462	19.354	23.846	21.204	21.977
85	10.566	14.448	19.533	25.751	18.599	19.965	17.898	22.067	18.940	19.354
86	9.488	12.363	16.982	22.822	16.442	17.736	16.442	20.216	16.874	16.766
87	8.464	10.800	14.178	20.701	14.699	15.544	15.292	18.186	15.005	14.556
88	7.907	9.794	12.795	19.174	13.621	13.621	14.412	16.209	13.909	12.848
89	7.583	9.524	12.004	17.629	12.884	12.058	13.316	13.837	13.370	12.130
90	7.368	9.488	12.130	16.478	12.543	10.962	12.705	12.633	13.190	12.561
91	7.134	9.398	12.543	16.335	12.507	10.476	11.896	11.950	13.190	12.831
92	6.990	9.326	12.992	16.514	12.795	10.512	11.698	11.986	13.477	13.028
93	6.990	9.380	13.477	16.712	13.046	10.602	11.698	12.130	13.747	11.465
94	7.044	9.830	14.250	16.766	13.226	10.656	11.698	12.202	13.909	11.842
95	7.152	10.584	14.861	16.514	13.334	10.656	11.698	12.220	14.070	12.363
96	7.278	11.177	15.239	16.982	13.531	10.656	11.752	12.273	14.250	12.777
97	7.188	10.728	15.077	17.898	13.765	10.674	11.788	12.327	14.502	12.938
98	6.936	9.848	14.160	19.300	13.927	10.746	11.860	12.363	14.699	13.226
99	6.667	9.237	12.543	19.479	14.017	10.890	11.788	12.489	14.861	13.316
100	6.487	8.895	11.573	19.911	13.963	11.016	11.609	12.633	14.933	13.028
101	6.343	8.626	10.656	18.527	13.963	11.159	11.501	12.795	14.861	12.884
102	6.254	8.320	9.794	16.209	13.981	11.357	11.501	12.992	14.897	12.920
103	6.254	8.086	9.542	15.724	14.124	11.555	11.519	13.226	14.897	12.651
104	6.289	7.817	9.488	15.041	14.358	11.788	11.644	13.477	15.041	12.399
105	6.343	7.637	9.488	14.412	14.663	12.040	11.860	13.765	15.346	12.651
106	6.451	7.565	9.488	14.322	14.933	12.345	12.076	14.070	15.598	12.974
107	6.595	7.475	9.452	14.556	15.167	12.633	12.399	14.412	15.885	13.280
108	6.721	7.440	9.380	14.843	15.436	12.974	12.705	14.735	16.137	13.531
109	6.793	7.386	9.344	15.095	15.688	13.262	13.028	15.077	16.406	13.783

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CANDELA TABULATION - (Cont.)

110	6.883	7.332	9.272	15.346	15.921	13.603	13.334	15.400	16.622	14.017
111	6.900	7.278	9.201	15.598	16.119	13.837	13.621	15.724	16.874	14.214
112	6.954	7.224	9.147	15.867	16.335	14.160	13.909	16.065	17.107	14.412
113	7.008	7.224	9.111	16.083	16.550	14.448	14.178	16.335	17.341	14.556
114	7.080	7.188	9.093	16.299	16.694	14.735	14.520	16.640	17.539	14.735
115	7.134	7.188	9.057	16.478	16.820	14.969	14.807	16.928	17.700	14.843
116	7.242	7.134	9.003	16.622	16.928	15.256	15.113	17.215	17.880	14.933
117	7.296	7.134	8.967	16.712	17.018	15.490	15.400	17.503	17.988	15.005
118	7.368	7.188	8.967	16.766	17.071	15.742	15.652	17.754	18.114	15.077
119	7.422	7.188	8.949	16.856	17.125	15.939	15.939	17.988	18.204	15.113
120	7.475	7.224	8.967	16.874	17.125	16.083	16.173	18.186	18.293	15.221
121	7.529	7.278	8.967	16.910	17.125	16.227	16.406	18.383	18.347	15.256
122	7.583	7.368	9.003	16.964	17.125	16.371	16.586	18.581	18.401	15.346
123	7.673	7.422	9.003	17.018	17.071	16.514	16.784	18.779	18.437	15.436
124	7.763	7.475	9.039	17.107	17.071	16.640	16.982	18.976	18.455	15.508
125	7.817	7.583	9.057	17.161	17.018	16.784	17.215	19.174	18.455	15.598
126	7.925	7.709	9.057	17.251	16.982	16.910	17.413	19.318	18.491	15.724
127	8.015	7.853	9.111	17.305	16.982	17.018	17.610	19.479	18.491	15.778
128	8.086	7.979	9.183	17.395	16.982	17.107	17.772	19.623	18.491	15.867
129	8.194	8.086	9.237	17.467	16.982	17.215	17.952	19.767	18.455	15.939
130	8.284	8.212	9.326	17.557	17.018	17.305	18.114	19.875	18.437	16.029
131	8.410	8.320	9.398	17.610	17.107	17.395	18.257	19.965	18.383	16.137
132	8.518	8.464	9.524	17.736	17.197	17.449	18.383	20.054	18.347	16.263
133	8.626	8.572	9.668	17.844	17.269	17.503	18.491	20.108	18.293	16.371
134	8.751	8.697	9.758	18.024	17.449	17.557	18.581	20.144	18.257	16.550
135	8.859	8.805	9.901	18.150	17.593	17.610	18.671	20.144	18.239	16.694
136	9.003	8.913	10.027	18.347	17.754	17.629	18.725	20.144	18.204	16.856
137	9.147	9.057	10.171	18.527	17.916	17.700	18.743	20.144	18.150	16.982
138	9.272	9.183	10.315	18.689	18.114	17.754	18.779	20.144	18.096	17.125
139	9.398	9.272	10.423	18.833	18.293	17.772	18.779	20.072	18.042	17.269
140	9.542	9.416	10.530	18.940	18.455	17.844	18.779	20.054	18.024	17.395
141	9.686	9.560	10.602	19.084	18.635	17.916	18.779	20.018	17.988	17.539
142	9.848	9.686	10.728	19.210	18.779	17.988	18.779	19.965	17.988	17.610
143	9.991	9.794	10.818	19.318	18.940	18.060	18.779	19.875	17.952	17.700
144	10.171	9.901	10.890	19.425	19.084	18.114	18.779	19.821	17.952	17.772
145	10.333	10.027	11.016	19.515	19.228	18.204	18.779	19.731	17.952	17.880
146	10.512	10.135	11.123	19.569	19.372	18.257	18.743	19.659	17.952	17.898
147	10.674	10.225	11.231	19.623	19.479	18.347	18.725	19.569	17.952	17.988
148	10.854	10.333	11.357	19.677	19.587	18.437	18.689	19.479	17.952	18.024
149	11.033	10.441	11.447	19.713	19.677	18.491	18.689	19.390	17.988	18.042
150	11.213	10.530	11.573	19.713	19.731	18.545	18.671	19.354	17.988	18.060
151	11.411	10.656	11.698	19.713	19.821	18.635	18.671	19.246	18.024	18.060
152	11.573	10.800	11.806	19.713	19.911	18.725	18.671	19.174	18.024	18.060
153	11.752	10.890	11.950	19.713	19.947	18.779	18.671	19.102	18.024	18.042
154	11.914	11.016	12.058	19.713	20.001	18.868	18.689	19.066	18.024	18.024
155	12.076	11.159	12.202	19.677	20.018	18.922	18.689	19.012	18.024	17.988
156	12.273	11.303	12.345	19.677	20.018	18.976	18.743	18.940	17.988	17.952
157	12.453	11.447	12.489	19.677	20.054	19.012	18.779	18.886	17.988	17.916
158	12.633	11.609	12.633	19.659	20.054	19.066	18.833	18.868	17.988	17.916
159	12.831	11.752	12.795	19.659	20.054	19.084	18.868	18.814	17.952	17.916
160	13.028	11.896	12.938	19.623	20.018	19.102	18.886	18.743	17.916	17.952
161	13.190	12.076	13.082	19.587	20.001	19.156	18.886	18.725	17.898	18.024
162	13.388	12.291	13.226	19.533	19.947	19.156	18.922	18.689	17.844	18.060
163	13.603	12.489	13.388	19.479	19.857	19.156	18.940	18.671	17.772	18.114
164	13.765	12.687	13.567	19.390	19.821	19.102	18.922	18.599	17.736	18.186
165	13.981	12.920	13.747	19.318	19.731	19.102	18.922	18.545	17.629	18.257

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CANDELA TABULATION - (Cont.)

166	14.178	13.172	13.909	19.228	19.677	19.066	18.922	18.491	17.557	18.329
167	14.448	13.388	14.035	19.156	19.587	19.030	18.886	18.383	17.467	18.383
168	14.610	13.603	14.178	19.066	19.515	19.012	18.833	18.329	17.359	18.401
169	14.807	13.765	14.322	18.976	19.425	18.940	18.743	18.239	17.269	18.437
170	15.041	13.963	14.502	18.886	19.354	18.886	18.671	18.114	17.197	18.455
171	15.256	14.178	14.663	18.868	19.246	18.814	18.599	18.024	17.107	18.491
172	15.490	14.394	14.861	18.833	19.210	18.743	18.527	17.880	16.982	18.491
173	15.652	14.592	15.005	18.814	19.156	18.635	18.401	17.736	16.910	18.527
174	15.778	14.789	15.167	18.779	19.066	18.545	18.204	17.557	16.784	18.527
175	15.939	15.005	15.346	18.779	18.976	18.437	18.024	17.359	16.712	18.545
176	16.173	15.256	15.508	18.779	18.868	18.329	17.826	17.161	16.586	18.599
177	16.406	15.580	15.724	18.779	18.814	18.186	17.682	16.982	16.478	18.671
178	16.640	15.867	15.921	18.779	18.725	18.042	17.503	16.784	16.425	18.689
179	16.910	16.173	16.137	18.779	18.635	17.916	17.341	16.586	16.281	18.725
180	17.125	17.125	17.125	17.125	17.125	17.125	17.125	17.125	17.125	17.125

Vert. Angles	Horizontal Angles		
	<u>300</u>	<u>330</u>	<u>360</u>
0	575.089	575.089	575.089
1	577.050	583.771	583.824
2	579.961	588.874	589.934
3	583.681	594.642	595.972
4	587.490	600.141	601.525
5	591.695	605.155	607.617
6	595.954	610.312	613.888
7	599.907	615.218	620.303
8	604.059	620.932	627.114
9	608.353	627.168	634.751
10	613.133	634.284	644.114
11	618.039	642.406	654.572
12	622.945	652.056	666.594
13	628.749	662.838	679.748
14	635.524	674.842	694.196
15	643.179	687.457	710.207
16	651.751	701.707	728.303
17	660.682	716.802	747.045
18	670.044	733.136	765.878
19	680.844	750.891	785.555
20	692.327	768.950	806.112
21	704.852	787.549	826.095
22	717.035	806.328	846.023
23	730.818	825.430	865.934
24	744.404	844.766	884.856
25	758.474	863.814	903.761
26	772.473	882.790	920.922
27	786.507	901.515	936.664
28	800.829	919.592	949.728
29	815.906	936.304	961.911
30	830.497	951.273	971.885
31	845.035	965.811	979.756
32	859.303	979.486	986.314
33	875.314	991.921	990.681
34	889.133	1002.631	993.592
35	905.180	1011.958	993.772
36	920.419	1020.727	990.160

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CANDELA TABULATION - (Cont.)

37	935.999	1027.196	982.595
38	951.543	1032.030	970.932
39	967.841	1035.858	956.790
40	984.787	1036.540	935.801
41	1002.829	1033.270	908.846
42	1020.080	1027.070	877.920
43	1038.859	1016.180	842.501
44	1059.057	1001.571	804.028
45	1080.908	981.966	763.757
46	1103.191	959.288	724.906
47	1127.127	932.009	684.510
48	1149.805	897.471	645.982
49	1175.322	862.196	605.442
50	1199.653	823.633	567.076
51	1225.135	784.548	526.015
52	1249.574	744.565	485.529
53	1269.952	700.323	449.122
54	1288.047	654.877	411.044
55	1300.878	607.347	377.494
56	1309.414	557.391	345.364
57	1310.582	507.416	313.269
58	1306.520	462.222	282.397
59	1297.733	417.657	251.112
60	1282.099	379.453	210.895
61	1261.092	342.453	167.138
62	1232.574	303.799	137.703
63	1191.477	256.287	118.565
64	1140.820	207.948	100.434
65	1089.821	180.184	83.237
66	1039.002	152.654	71.323
67	977.761	128.898	62.176
68	908.325	106.651	55.635
69	834.433	89.436	50.675
70	748.483	75.725	46.255
71	661.454	65.806	42.409
72	560.985	58.294	38.995
73	424.431	52.544	36.030
74	288.165	47.980	33.226
75	180.418	43.487	30.639
76	116.427	38.959	28.177
77	80.200	35.239	24.529
78	62.302	32.004	23.019
79	49.453	29.273	21.780
80	40.468	27.135	19.767
81	34.394	24.385	17.898
82	29.740	21.582	15.921
83	25.805	18.545	13.819
84	22.462	15.508	12.076
85	19.857	12.974	10.566
86	17.395	11.087	9.488
87	14.789	9.758	8.464
88	13.262	8.949	7.907
89	13.262	8.913	7.583
90	13.477	8.859	7.368
91	13.783	8.715	7.134
92	14.178	8.697	6.990

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CANDELA TABULATION - (Cont.)

93	14.610	8.715	6.990
94	15.346	9.111	7.044
95	16.281	9.758	7.152
96	15.975	10.027	7.278
97	15.310	9.524	7.188
98	14.250	8.913	6.936
99	13.172	8.554	6.667
100	12.202	8.356	6.487
101	11.016	8.212	6.343
102	10.728	8.050	6.254
103	10.674	7.925	6.254
104	10.674	7.709	6.289
105	10.728	7.637	6.343
106	10.800	7.619	6.451
107	10.800	7.619	6.595
108	10.746	7.619	6.721
109	10.710	7.619	6.793
110	10.602	7.583	6.883
111	10.602	7.583	6.900
112	10.656	7.583	6.954
113	10.728	7.583	7.008
114	10.854	7.637	7.080
115	10.890	7.709	7.134
116	10.962	7.763	7.242
117	11.033	7.817	7.296
118	11.159	7.871	7.368
119	11.303	7.925	7.422
120	11.447	8.015	7.475
121	11.609	8.122	7.529
122	11.788	8.230	7.583
123	11.914	8.374	7.673
124	12.076	8.482	7.763
125	12.273	8.626	7.817
126	12.399	8.769	7.925
127	12.543	8.913	8.015
128	12.705	9.057	8.086
129	12.848	9.201	8.194
130	12.992	9.380	8.284
131	13.136	9.524	8.410
132	13.280	9.668	8.518
133	13.424	9.830	8.626
134	13.567	9.973	8.751
135	13.693	10.099	8.859
136	13.783	10.279	9.003
137	13.909	10.423	9.147
138	14.035	10.566	9.272
139	14.124	10.710	9.398
140	14.250	10.872	9.542
141	14.358	11.016	9.686
142	14.448	11.177	9.848
143	14.520	11.357	9.991
144	14.645	11.501	10.171
145	14.735	11.644	10.333
146	14.807	11.806	10.512
147	14.861	11.986	10.674
148	14.951	12.130	10.854

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CANDELA TABULATION - (Cont.)

149	15.041	12.273	11.033
150	15.113	12.399	11.213
151	15.221	12.543	11.411
152	15.256	12.705	11.573
153	15.382	12.848	11.752
154	15.436	12.992	11.914
155	15.508	13.136	12.076
156	15.580	13.316	12.273
157	15.688	13.459	12.453
158	15.778	13.621	12.633
159	15.867	13.765	12.831
160	15.975	13.927	13.028
161	16.083	14.106	13.190
162	16.209	14.268	13.388
163	16.299	14.448	13.603
164	16.425	14.645	13.765
165	16.568	14.843	13.981
166	16.712	15.041	14.178
167	16.820	15.239	14.448
168	16.964	15.436	14.610
169	17.071	15.634	14.807
170	17.215	15.831	15.041
171	17.359	16.065	15.256
172	17.503	16.227	15.490
173	17.610	16.425	15.652
174	17.754	16.622	15.778
175	17.898	16.856	15.939
176	18.042	17.053	16.173
177	18.186	17.251	16.406
178	18.293	17.449	16.640
179	18.401	17.682	16.910
180	17.125	17.125	17.125

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	217.11	8.20	8.20
0-30	494.03	18.60	18.60
0-40	885.05	33.30	33.30
0-60	1891.01	71.20	71.20
0-80	2548.39	96.00	96.00
0-90	2569.56	96.70	96.80
10-90	2515.05	94.70	94.70
20-40	667.93	25.10	25.10
20-50	1147.19	43.20	43.20
40-70	1508.04	56.80	56.80
60-80	657.38	24.80	24.80
70-80	155.31	5.80	5.80
80-90	21.17	0.80	0.80
90-110	25.63	1.00	1.00
90-120	38.37	1.40	1.40
90-130	50.83	1.90	1.90
90-150	72.21	2.70	2.70
90-180	86.23	3.20	3.20
110-180	60.60	2.30	2.30
0-180	2655.79	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	54.52
10-20	162.59
20-30	276.92
30-40	391.02
40-50	479.25
50-60	526.71
60-70	502.07
70-80	155.31
80-90	21.17
90-100	13.32
100-110	12.31
110-120	12.74
120-130	12.46
130-140	11.50
140-150	9.88
150-160	7.57
160-170	4.80
170-180	1.65

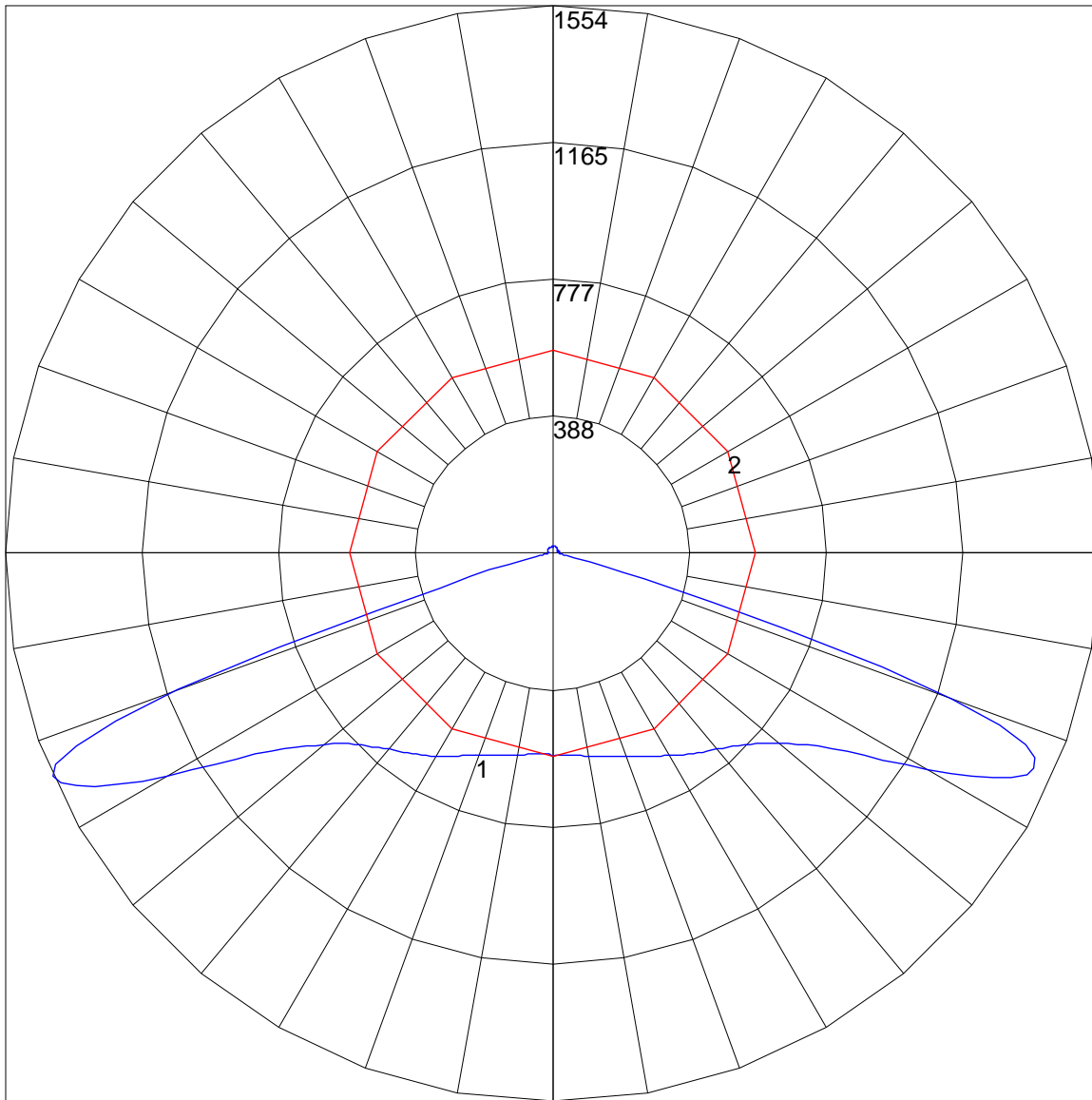
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-4A-3500°K-P.IES

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	108	103	98	94	104	100	96	92	95	92	89	91	88	86	87	84	82	80
2	97	88	81	75	94	86	79	74	82	76	71	78	73	69	74	71	67	65
3	87	76	67	60	84	74	66	59	71	64	58	67	61	57	64	59	55	53
4	79	66	57	49	76	65	56	49	62	54	48	59	52	47	56	51	46	43
5	72	58	48	41	69	57	48	41	54	46	40	52	45	39	50	44	39	36
6	66	52	42	35	64	50	41	35	48	40	34	46	39	34	44	38	33	31
7	61	46	37	30	59	45	36	30	43	35	30	42	34	29	40	34	29	27
8	56	42	33	27	54	41	32	26	39	32	26	38	31	26	36	30	25	23
9	52	38	29	23	50	37	29	23	36	28	23	34	28	23	33	27	22	20
10	49	35	26	21	47	34	26	21	33	26	21	32	25	20	31	24	20	18

POLAR GRAPH



Maximum Candela = 1553.732 Located At Horizontal Angle = 270, Vertical Angle = 66
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)