



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BLS-4A-5000°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"

[OTHER]

[MANUFAC] BEGHELLI

[LUMCAT]

[LUMINAIRE] BLS-4A - 5000°K

CHARACTERISTICS

Lumens Per Lamp	2860 (1 lamp)
Total Lamp Lumens	2860
Luminaire Lumens	2860
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	93
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

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	116260	166625	117113
55	70840	195477	181482
65	21199	180884	378323
75	12742	64143	84896
85	13049	20983	31802

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-4A-5000°K-P.IES

CANDELA TABULATION

	<u>0</u>	<u>30</u>	<u>60</u>	<u>90</u>	<u>120</u>	<u>150</u>	<u>180</u>	<u>210</u>	<u>240</u>	<u>270</u>
0	619.268	619.268	619.268	619.268	619.268	619.268	619.268	619.268	619.268	619.268
1	628.674	628.345	618.844	615.187	614.181	616.329	614.065	616.193	611.317	614.491
2	635.254	634.983	622.908	615.516	610.679	609.111	605.647	609.266	607.137	614.220
3	641.755	640.614	627.688	616.348	606.499	601.371	595.295	601.158	602.184	614.433
4	647.735	647.251	632.428	617.606	602.319	592.528	584.343	592.141	597.578	615.149
5	654.294	652.591	637.905	619.193	598.178	583.046	572.597	582.524	593.437	615.981
6	661.048	659.093	643.129	620.663	593.786	572.481	559.574	573.139	589.432	617.238
7	667.956	665.730	648.586	622.540	590.051	561.490	546.358	561.974	585.407	618.999
8	675.289	672.387	653.869	624.591	585.949	549.260	531.903	550.073	581.363	621.379
9	683.513	680.940	659.848	626.778	581.227	537.341	515.184	538.502	576.506	623.740
10	693.595	690.054	666.833	629.042	577.009	525.189	499.414	526.292	572.442	626.604
11	704.857	701.006	673.471	631.500	573.061	512.998	484.746	513.888	568.533	629.526
12	717.802	713.874	681.114	634.402	567.876	500.788	467.757	500.227	564.373	632.486
13	731.967	728.174	689.899	637.614	563.057	487.939	451.638	487.668	559.748	634.886
14	747.524	744.351	699.207	640.691	557.175	474.258	433.274	473.484	554.756	637.208
15	764.766	761.399	708.359	643.439	550.944	459.688	415.240	460.732	549.086	640.246
16	784.251	779.085	719.118	645.916	544.655	444.536	398.347	445.368	543.339	643.497
17	804.434	798.745	730.380	649.012	537.244	429.249	378.977	430.836	536.586	646.457
18	824.713	818.966	742.784	652.708	530.142	414.504	360.846	415.840	530.587	649.689
19	845.902	841.103	756.542	656.558	522.518	399.276	341.766	401.462	523.950	653.714
20	868.039	862.891	771.829	660.641	515.107	383.621	323.519	385.459	517.565	657.739
21	889.556	884.680	787.406	664.473	507.560	366.612	304.865	369.089	510.308	662.131
22	911.016	906.488	803.447	668.207	499.975	349.603	285.747	352.738	503.536	666.582
23	932.456	929.592	820.708	673.025	492.757	333.020	269.280	338.457	496.666	671.477
24	952.832	952.290	837.252	678.424	484.688	316.804	251.071	322.900	490.087	676.799
25	973.189	974.350	854.435	684.732	476.871	300.047	235.939	307.671	483.585	683.146
26	991.668	995.887	870.438	690.499	467.544	284.509	219.220	292.636	475.555	690.286
27	1008.619	1016.127	887.853	696.246	459.049	268.757	204.650	278.452	468.182	696.730
28	1022.687	1034.587	905.888	701.606	450.690	253.935	191.975	264.713	460.481	702.903
29	1035.806	1054.325	925.741	707.218	441.730	239.770	179.301	250.355	453.070	709.675
30	1046.546	1071.508	943.795	713.719	432.133	227.096	167.710	238.242	445.368	716.196
31	1055.021	1085.595	962.662	719.911	422.883	215.737	157.048	225.529	437.280	723.027
32	1062.084	1098.231	980.290	726.955	413.750	204.572	147.295	214.093	428.708	729.509
33	1066.786	1109.473	999.254	733.824	404.849	193.775	139.594	201.844	419.516	735.488
34	1069.921	1120.503	1017.772	741.023	395.444	182.551	132.821	190.659	410.247	741.313
35	1070.115	1128.553	1037.587	748.066	384.705	171.870	126.938	179.707	399.450	747.254
36	1066.225	1135.906	1056.260	755.110	374.004	161.827	122.236	170.070	389.291	753.968
37	1058.079	1141.537	1075.842	760.218	362.162	152.829	118.734	160.608	378.261	760.683
38	1045.520	1145.600	1095.231	766.527	351.829	143.560	117.186	150.914	368.412	767.784
39	1030.292	1149.296	1114.853	773.319	340.451	135.240	115.831	142.032	357.769	774.441
40	1007.690	1151.096	1135.229	781.020	329.827	126.900	116.102	134.427	348.442	781.755
41	978.665	1148.503	1156.707	789.747	319.668	119.082	117.031	126.900	339.464	789.515
42	945.363	1143.588	1180.373	798.803	308.832	111.516	121.385	120.069	329.015	798.455
43	907.223	1135.712	1204.310	807.530	298.828	104.202	127.964	112.503	319.068	808.207
44	865.794	1123.851	1226.949	817.418	287.779	97.468	138.491	104.511	308.426	818.656
45	822.430	1104.926	1252.511	828.467	277.910	90.715	153.081	97.971	298.828	829.377
46	780.594	1080.583	1279.524	839.652	268.003	85.142	180.442	91.392	289.617	841.354
47	737.095	1051.093	1307.447	852.752	258.444	80.072	222.568	86.012	281.258	854.242
48	695.607	1017.153	1336.453	867.439	248.652	76.318	294.784	81.659	272.415	869.703
49	651.953	979.342	1367.723	884.409	239.925	73.067	337.393	77.672	264.171	886.750
50	610.640	937.565	1399.787	904.340	231.450	70.726	336.135	75.099	255.638	908.384
51	566.424	893.484	1435.392	925.374	223.478	68.907	305.001	73.144	248.111	932.940
52	522.828	848.243	1468.132	948.807	215.834	67.610	247.395	71.867	240.641	958.115
53	483.624	798.068	1495.784	974.872	207.920	66.120	197.954	71.016	233.211	985.457

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-4A-5000°K-P.IES

CANDELA TABULATION - (Cont.)

54	442.621	752.227	1521.869	1003.472	200.334	64.534	184.158	69.120	225.800	1014.753
55	406.493	701.548	1541.819	1041.379	192.730	64.340	253.877	66.623	218.756	1051.674
56	371.895	651.160	1555.287	1085.150	186.170	64.843	288.069	64.979	211.829	1097.979
57	337.335	596.650	1560.743	1136.544	180.481	61.979	288.998	64.456	205.791	1154.153
58	304.091	545.816	1557.996	1192.022	174.850	58.380	239.113	61.941	199.773	1215.804
59	270.402	500.362	1545.979	1256.169	169.006	55.419	175.043	58.748	193.736	1287.071
60	227.096	457.714	1523.842	1322.947	163.627	53.233	138.742	56.213	188.860	1361.802
61	179.978	418.491	1494.913	1391.911	158.402	52.710	112.252	55.458	183.887	1437.094
62	148.282	381.164	1457.838	1453.910	153.429	52.343	93.714	55.981	179.223	1504.976
63	127.674	338.187	1415.519	1512.600	149.133	50.795	84.987	53.717	174.831	1569.374
64	108.149	281.200	1363.505	1561.653	144.954	47.737	79.046	51.607	170.516	1622.394
65	89.631	231.044	1298.507	1599.541	141.974	46.035	74.828	49.556	166.858	1659.779
66	76.802	199.870	1237.166	1611.461	140.387	44.351	71.616	48.105	165.833	1673.092
67	66.952	168.909	1166.925	1601.302	140.174	43.171	68.926	47.041	165.968	1650.607
68	59.909	142.071	1094.806	1560.589	140.987	42.281	66.372	45.822	167.284	1569.006
69	54.568	118.927	1015.779	1463.450	143.677	41.661	64.572	44.680	170.651	1429.838
70	49.808	100.274	926.961	1294.772	147.760	41.139	65.462	43.983	175.779	1219.248
71	45.667	85.703	828.912	1067.715	152.713	40.752	65.037	43.422	183.345	888.163
72	41.990	74.189	712.287	734.289	157.841	40.229	62.792	43.074	190.234	563.483
73	38.798	64.572	572.868	512.998	159.021	39.842	59.270	42.610	193.097	361.794
74	35.779	56.464	427.353	293.545	150.875	39.630	57.103	42.029	184.216	262.585
75	32.992	49.905	282.264	219.820	132.028	39.378	57.084	41.507	159.254	202.618
76	30.341	44.312	193.620	171.232	107.936	39.475	55.826	41.081	125.042	137.949
77	26.413	39.397	121.172	117.263	85.200	39.591	51.801	40.326	94.565	80.323
78	24.788	35.102	76.647	68.578	66.333	39.533	47.002	39.165	70.435	50.795
79	23.453	31.618	56.968	44.312	51.549	38.488	42.455	37.675	53.543	39.688
80	21.285	29.026	44.932	37.153	40.771	36.379	32.644	35.682	41.603	34.347
81	19.273	26.684	36.843	33.650	33.515	33.302	27.361	33.399	34.386	30.496
82	17.144	24.304	31.367	30.903	28.426	30.167	23.994	30.554	29.006	27.961
83	14.880	21.189	27.594	29.819	25.233	26.994	22.292	28.135	25.639	25.988
84	13.003	18.228	24.304	30.167	22.408	24.188	20.840	25.678	22.833	23.665
85	11.378	15.558	21.034	27.729	20.028	21.498	19.273	23.762	20.395	20.840
86	10.217	13.313	18.286	24.575	17.706	19.099	17.706	21.769	18.170	18.054
87	9.114	11.630	15.267	22.292	15.829	16.738	16.467	19.583	16.158	15.674
88	8.514	10.546	13.777	20.647	14.668	14.668	15.519	17.454	14.977	13.835
89	8.166	10.256	12.926	18.983	13.874	12.984	14.339	14.900	14.397	13.062
90	7.934	10.217	13.062	17.744	13.507	11.804	13.681	13.603	14.203	13.526
91	7.682	10.120	13.507	17.590	13.468	11.281	12.810	12.868	14.203	13.816
92	7.527	10.043	13.990	17.783	13.777	11.320	12.597	12.907	14.513	14.029
93	7.527	10.101	14.513	17.996	14.048	11.417	12.597	13.062	14.803	12.346
94	7.585	10.585	15.345	18.054	14.242	11.475	12.597	13.139	14.977	12.752
95	7.701	11.397	16.003	17.783	14.358	11.475	12.597	13.158	15.151	13.313
96	7.837	12.036	16.409	18.286	14.571	11.475	12.655	13.216	15.345	13.758
97	7.740	11.552	16.235	19.273	14.822	11.494	12.694	13.274	15.616	13.932
98	7.469	10.604	15.248	20.782	14.997	11.572	12.771	13.313	15.829	14.242
99	7.179	9.946	13.507	20.976	15.093	11.726	12.694	13.448	16.003	14.339
100	6.986	9.578	12.462	21.440	15.035	11.862	12.500	13.603	16.080	14.029
101	6.831	9.288	11.475	19.950	15.035	12.017	12.384	13.777	16.003	13.874
102	6.734	8.959	10.546	17.454	15.055	12.229	12.384	13.990	16.041	13.913
103	6.734	8.708	10.275	16.932	15.209	12.442	12.404	14.242	16.041	13.623
104	6.773	8.417	10.217	16.196	15.461	12.694	12.539	14.513	16.196	13.352
105	6.831	8.224	10.217	15.519	15.790	12.965	12.771	14.822	16.525	13.623
106	6.947	8.146	10.217	15.422	16.080	13.294	13.003	15.151	16.796	13.971
107	7.102	8.050	10.178	15.674	16.332	13.603	13.352	15.519	17.106	14.300
108	7.237	8.011	10.101	15.983	16.622	13.971	13.681	15.867	17.377	14.571
109	7.314	7.953	10.062	16.254	16.893	14.281	14.029	16.235	17.667	14.842

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-4A-5000°K-P.IES

CANDELA TABULATION - (Cont.)

110	7.411	7.895	9.985	16.525	17.144	14.648	14.358	16.583	17.899	15.093
111	7.431	7.837	9.907	16.796	17.357	14.900	14.668	16.932	18.170	15.306
112	7.489	7.779	9.849	17.086	17.590	15.248	14.977	17.299	18.422	15.519
113	7.547	7.779	9.811	17.319	17.822	15.558	15.267	17.590	18.673	15.674
114	7.624	7.740	9.791	17.551	17.977	15.867	15.635	17.918	18.886	15.867
115	7.682	7.740	9.753	17.744	18.112	16.119	15.945	18.228	19.060	15.983
116	7.798	7.682	9.695	17.899	18.228	16.428	16.274	18.538	19.254	16.080
117	7.856	7.682	9.656	17.996	18.325	16.680	16.583	18.847	19.370	16.158
118	7.934	7.740	9.656	18.054	18.383	16.951	16.854	19.118	19.505	16.235
119	7.992	7.740	9.637	18.151	18.441	17.164	17.164	19.370	19.602	16.274
120	8.050	7.779	9.656	18.170	18.441	17.319	17.415	19.583	19.699	16.390
121	8.108	7.837	9.656	18.209	18.441	17.473	17.667	19.795	19.757	16.428
122	8.166	7.934	9.695	18.267	18.441	17.628	17.860	20.008	19.815	16.525
123	8.263	7.992	9.695	18.325	18.383	17.783	18.073	20.221	19.854	16.622
124	8.359	8.050	9.733	18.422	18.383	17.918	18.286	20.434	19.873	16.699
125	8.417	8.166	9.753	18.480	18.325	18.073	18.538	20.647	19.873	16.796
126	8.533	8.301	9.753	18.576	18.286	18.209	18.750	20.802	19.912	16.932
127	8.630	8.456	9.811	18.634	18.286	18.325	18.963	20.976	19.912	16.990
128	8.708	8.592	9.888	18.731	18.286	18.422	19.137	21.131	19.912	17.086
129	8.824	8.708	9.946	18.809	18.286	18.538	19.331	21.285	19.873	17.164
130	8.921	8.843	10.043	18.905	18.325	18.634	19.505	21.401	19.854	17.261
131	9.056	8.959	10.120	18.963	18.422	18.731	19.660	21.498	19.795	17.377
132	9.172	9.114	10.256	19.099	18.518	18.789	19.795	21.595	19.757	17.512
133	9.288	9.230	10.411	19.215	18.596	18.847	19.912	21.653	19.699	17.628
134	9.424	9.366	10.507	19.408	18.789	18.905	20.008	21.692	19.660	17.822
135	9.540	9.482	10.662	19.544	18.944	18.963	20.105	21.692	19.641	17.977
136	9.695	9.598	10.797	19.757	19.118	18.983	20.163	21.692	19.602	18.151
137	9.849	9.753	10.952	19.950	19.292	19.060	20.182	21.692	19.544	18.286
138	9.985	9.888	11.107	20.124	19.505	19.118	20.221	21.692	19.486	18.441
139	10.120	9.985	11.223	20.279	19.699	19.137	20.221	21.614	19.428	18.596
140	10.275	10.140	11.339	20.395	19.873	19.215	20.221	21.595	19.408	18.731
141	10.430	10.294	11.417	20.550	20.066	19.292	20.221	21.556	19.370	18.886
142	10.604	10.430	11.552	20.686	20.221	19.370	20.221	21.498	19.370	18.963
143	10.759	10.546	11.649	20.802	20.395	19.447	20.221	21.401	19.331	19.060
144	10.952	10.662	11.726	20.918	20.550	19.505	20.221	21.343	19.331	19.137
145	11.126	10.797	11.862	21.014	20.705	19.602	20.221	21.247	19.331	19.254
146	11.320	10.914	11.978	21.073	20.860	19.660	20.182	21.169	19.331	19.273
147	11.494	11.010	12.094	21.131	20.976	19.757	20.163	21.073	19.331	19.370
148	11.688	11.126	12.229	21.189	21.092	19.854	20.124	20.976	19.331	19.408
149	11.881	11.243	12.326	21.227	21.189	19.912	20.124	20.879	19.370	19.428
150	12.075	11.339	12.462	21.227	21.247	19.970	20.105	20.840	19.370	19.447
151	12.288	11.475	12.597	21.227	21.343	20.066	20.105	20.724	19.408	19.447
152	12.462	11.630	12.713	21.227	21.440	20.163	20.105	20.647	19.408	19.447
153	12.655	11.726	12.868	21.227	21.479	20.221	20.105	20.569	19.408	19.428
154	12.829	11.862	12.984	21.227	21.537	20.318	20.124	20.531	19.408	19.408
155	13.003	12.017	13.139	21.189	21.556	20.376	20.124	20.473	19.408	19.370
156	13.216	12.171	13.294	21.189	21.556	20.434	20.182	20.395	19.370	19.331
157	13.410	12.326	13.448	21.189	21.595	20.473	20.221	20.337	19.370	19.292
158	13.603	12.500	13.603	21.169	21.595	20.531	20.279	20.318	19.370	19.292
159	13.816	12.655	13.777	21.169	21.595	20.550	20.318	20.260	19.331	19.292
160	14.029	12.810	13.932	21.131	21.556	20.569	20.337	20.182	19.292	19.331
161	14.203	13.003	14.087	21.092	21.537	20.628	20.337	20.163	19.273	19.408
162	14.416	13.236	14.242	21.034	21.479	20.628	20.376	20.124	19.215	19.447
163	14.648	13.448	14.416	20.976	21.382	20.628	20.395	20.105	19.137	19.505
164	14.822	13.661	14.610	20.879	21.343	20.569	20.376	20.028	19.099	19.583
165	15.055	13.913	14.803	20.802	21.247	20.569	20.376	19.970	18.983	19.660

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-4A-5000°K-P.IES

CANDELA TABULATION - (Cont.)

166	15.267	14.184	14.977	20.705	21.189	20.531	20.376	19.912	18.905	19.737
167	15.558	14.416	15.113	20.628	21.092	20.492	20.337	19.795	18.809	19.795
168	15.732	14.648	15.267	20.531	21.014	20.473	20.279	19.737	18.692	19.815
169	15.945	14.822	15.422	20.434	20.918	20.395	20.182	19.641	18.596	19.854
170	16.196	15.035	15.616	20.337	20.840	20.337	20.105	19.505	18.518	19.873
171	16.428	15.267	15.790	20.318	20.724	20.260	20.028	19.408	18.422	19.912
172	16.680	15.500	16.003	20.279	20.686	20.182	19.950	19.254	18.286	19.912
173	16.854	15.712	16.158	20.260	20.628	20.066	19.815	19.099	18.209	19.950
174	16.990	15.925	16.332	20.221	20.531	19.970	19.602	18.905	18.073	19.950
175	17.164	16.158	16.525	20.221	20.434	19.854	19.408	18.692	17.996	19.970
176	17.415	16.428	16.699	20.221	20.318	19.737	19.196	18.480	17.860	20.028
177	17.667	16.777	16.932	20.221	20.260	19.583	19.041	18.286	17.744	20.105
178	17.918	17.086	17.144	20.221	20.163	19.428	18.847	18.073	17.686	20.124
179	18.209	17.415	17.377	20.221	20.066	19.292	18.673	17.860	17.531	20.163
180	18.441	18.441	18.441	18.441	18.441	18.441	18.441	18.441	18.441	18.441

Vert. Angles	Horizontal Angles		
	<u>300</u>	<u>330</u>	<u>360</u>
0	619.268	619.268	619.268
1	621.379	628.616	628.674
2	624.514	634.112	635.254
3	628.520	640.323	641.755
4	632.622	646.245	647.735
5	637.150	651.643	654.294
6	641.736	657.197	661.048
7	645.993	662.480	667.956
8	650.463	668.633	675.289
9	655.088	675.348	683.513
10	660.235	683.010	693.595
11	665.518	691.757	704.857
12	670.800	702.148	717.802
13	677.050	713.758	731.967
14	684.345	726.684	747.524
15	692.589	740.268	764.766
16	701.819	755.613	784.251
17	711.436	771.867	804.434
18	721.518	789.457	824.713
19	733.147	808.575	845.902
20	745.512	828.022	868.039
21	758.999	848.050	889.556
22	772.119	868.271	911.016
23	786.961	888.840	932.456
24	801.589	909.661	952.832
25	816.741	930.173	973.189
26	831.815	950.607	991.668
27	846.927	970.770	1008.619
28	862.350	990.236	1022.687
29	878.585	1008.232	1035.806
30	894.297	1024.351	1046.546
31	909.951	1040.005	1055.021
32	925.316	1054.731	1062.084
33	942.557	1068.121	1066.786
34	957.437	1079.654	1069.921
35	974.717	1089.697	1070.115
36	991.126	1099.140	1066.225

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-4A-5000°K-P.IES

CANDELA TABULATION - (Cont.)

37	1007.903	1106.106	1058.079
38	1024.641	1111.312	1045.520
39	1042.192	1115.433	1030.292
40	1060.439	1116.169	1007.690
41	1079.867	1112.647	978.665
42	1098.444	1105.971	945.363
43	1118.665	1094.244	907.223
44	1140.415	1078.513	865.794
45	1163.945	1057.401	822.430
46	1187.939	1032.981	780.594
47	1213.714	1003.607	737.095
48	1238.134	966.416	695.607
49	1265.611	928.431	651.953
50	1291.812	886.905	610.640
51	1319.251	844.818	566.424
52	1345.567	801.764	522.828
53	1367.511	754.123	483.624
54	1386.996	705.186	442.621
55	1400.813	654.004	406.493
56	1410.004	600.210	371.895
57	1411.262	546.397	337.335
58	1406.889	497.730	304.091
59	1397.426	449.741	270.402
60	1380.591	408.603	227.096
61	1357.971	368.760	179.978
62	1327.262	327.137	148.282
63	1283.007	275.975	127.674
64	1228.459	223.923	108.149
65	1173.542	194.026	89.631
66	1118.820	164.381	76.802
67	1052.873	138.800	66.952
68	978.104	114.844	59.909
69	898.535	96.307	54.568
70	805.982	81.542	49.808
71	712.268	70.861	45.667
72	604.080	62.773	41.990
73	457.037	56.581	38.798
74	310.303	51.666	35.779
75	194.278	46.828	32.992
76	125.371	41.952	30.341
77	86.361	37.946	26.413
78	67.088	34.463	24.788
79	53.252	31.522	23.453
80	43.577	29.219	21.285
81	37.037	26.258	19.273
82	32.025	23.240	17.144
83	27.787	19.970	14.880
84	24.188	16.699	13.003
85	21.382	13.971	11.378
86	18.731	11.939	10.217
87	15.925	10.507	9.114
88	14.281	9.637	8.514
89	14.281	9.598	8.166
90	14.513	9.540	7.934
91	14.842	9.385	7.682
92	15.267	9.366	7.527

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-4A-5000°K-P.IES

CANDELA TABULATION - (Cont.)

93	15.732	9.385	7.527
94	16.525	9.811	7.585
95	17.531	10.507	7.701
96	17.203	10.797	7.837
97	16.486	10.256	7.740
98	15.345	9.598	7.469
99	14.184	9.211	7.179
100	13.139	8.998	6.986
101	11.862	8.843	6.831
102	11.552	8.669	6.734
103	11.494	8.533	6.734
104	11.494	8.301	6.773
105	11.552	8.224	6.831
106	11.630	8.205	6.947
107	11.630	8.205	7.102
108	11.572	8.205	7.237
109	11.533	8.205	7.314
110	11.417	8.166	7.411
111	11.417	8.166	7.431
112	11.475	8.166	7.489
113	11.552	8.166	7.547
114	11.688	8.224	7.624
115	11.726	8.301	7.682
116	11.804	8.359	7.798
117	11.881	8.417	7.856
118	12.017	8.475	7.934
119	12.171	8.533	7.992
120	12.326	8.630	8.050
121	12.500	8.746	8.108
122	12.694	8.862	8.166
123	12.829	9.017	8.263
124	13.003	9.133	8.359
125	13.216	9.288	8.417
126	13.352	9.443	8.533
127	13.507	9.598	8.630
128	13.681	9.753	8.708
129	13.835	9.907	8.824
130	13.990	10.101	8.921
131	14.145	10.256	9.056
132	14.300	10.411	9.172
133	14.455	10.585	9.288
134	14.610	10.739	9.424
135	14.745	10.875	9.540
136	14.842	11.068	9.695
137	14.977	11.223	9.849
138	15.113	11.378	9.985
139	15.209	11.533	10.120
140	15.345	11.707	10.275
141	15.461	11.862	10.430
142	15.558	12.036	10.604
143	15.635	12.229	10.759
144	15.771	12.384	10.952
145	15.867	12.539	11.126
146	15.945	12.713	11.320
147	16.003	12.907	11.494
148	16.099	13.062	11.688

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-4A-5000°K-P.IES

CANDELA TABULATION - (Cont.)

149	16.196	13.216	11.881
150	16.274	13.352	12.075
151	16.390	13.507	12.288
152	16.428	13.681	12.462
153	16.564	13.835	12.655
154	16.622	13.990	12.829
155	16.699	14.145	13.003
156	16.777	14.339	13.216
157	16.893	14.493	13.410
158	16.990	14.668	13.603
159	17.086	14.822	13.816
160	17.203	14.997	14.029
161	17.319	15.190	14.203
162	17.454	15.364	14.416
163	17.551	15.558	14.648
164	17.686	15.771	14.822
165	17.841	15.983	15.055
166	17.996	16.196	15.267
167	18.112	16.409	15.558
168	18.267	16.622	15.732
169	18.383	16.835	15.945
170	18.538	17.048	16.196
171	18.692	17.299	16.428
172	18.847	17.473	16.680
173	18.963	17.686	16.854
174	19.118	17.899	16.990
175	19.273	18.151	17.164
176	19.428	18.363	17.415
177	19.583	18.576	17.667
178	19.699	18.789	17.918
179	19.815	19.041	18.209
180	18.441	18.441	18.441

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-4A-5000°K-P.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	233.79	8.20	8.20
0-30	531.98	18.60	18.60
0-40	953.04	33.30	33.30
0-60	2036.28	71.20	71.20
0-80	2744.16	95.90	96.00
0-90	2766.96	96.70	96.80
10-90	2708.26	94.70	94.70
20-40	719.25	25.10	25.20
20-50	1235.31	43.20	43.20
40-70	1623.89	56.80	56.80
60-80	707.88	24.80	24.80
70-80	167.24	5.80	5.80
80-90	22.80	0.80	0.80
90-110	27.60	1.00	1.00
90-120	41.32	1.40	1.40
90-130	54.73	1.90	1.90
90-150	77.76	2.70	2.70
90-180	92.85	3.20	3.20
110-180	65.25	2.30	2.30
0-180	2859.81	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	58.71
10-20	175.08
20-30	298.19
30-40	421.06
40-50	516.07
50-60	567.18
60-70	540.64
70-80	167.24
80-90	22.80
90-100	14.35
100-110	13.25
110-120	13.72
120-130	13.42
130-140	12.39
140-150	10.63
150-160	8.15
160-170	5.17
170-180	1.78

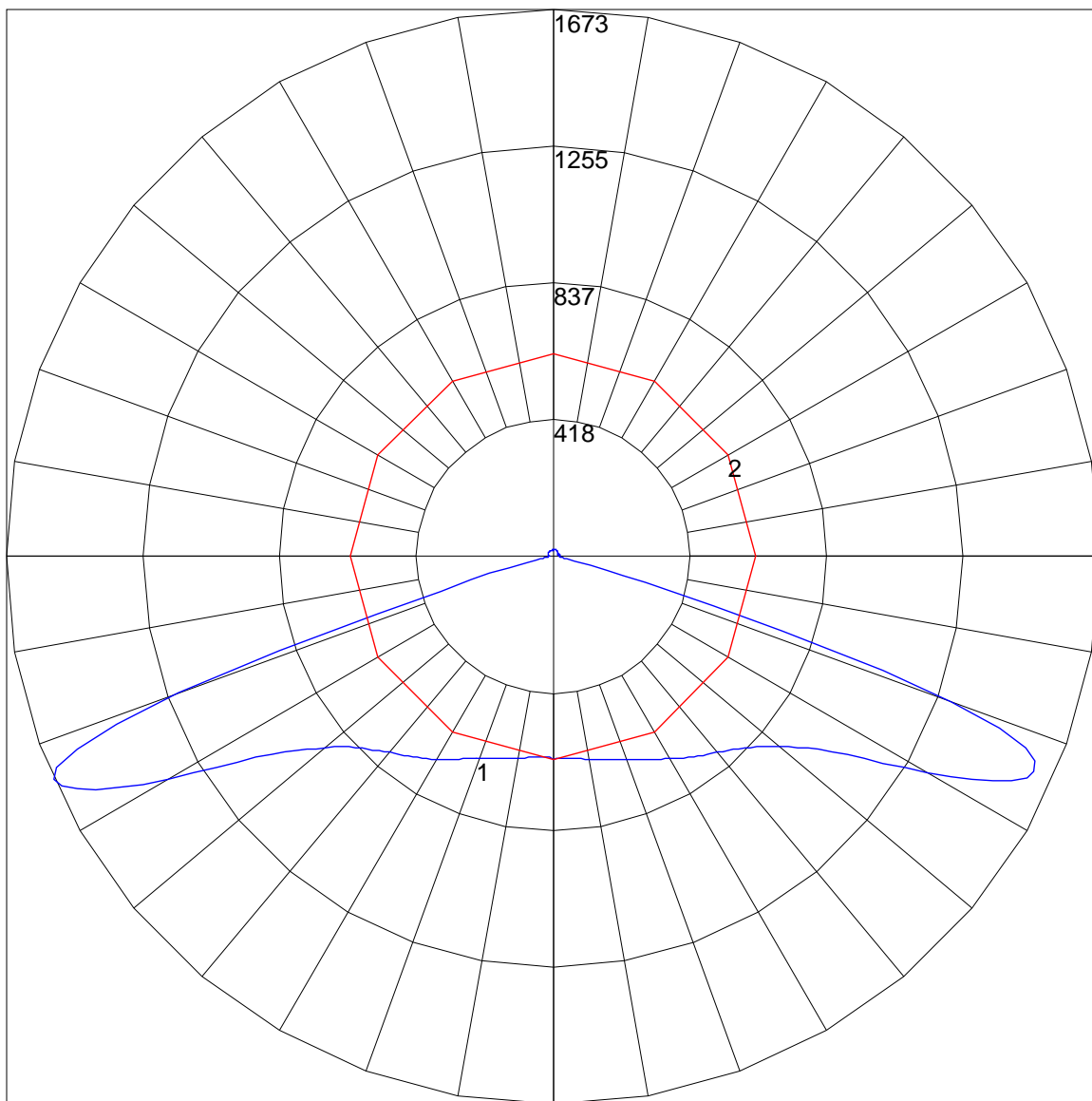
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-4A-5000°K-P.IES

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 = 1673.092 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)