



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BLS-2A-4000°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-2A-4000°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	1376 (1 lamp)
Total Lamp Lumens	1376
Luminaire Lumens	1376
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	18
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	55935	80167	56346
55	34083	94048	87315
65	10199	87028	182020
75	6130	30861	40845
85	6278	10095	15301

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**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>
<b>0</b>	297.944	297.944	297.944	297.944	297.944	297.944	297.944	297.944	297.944	297.944
<b>1</b>	302.469	302.311	297.740	295.980	295.496	296.530	295.440	296.464	294.118	295.645
<b>2</b>	305.635	305.504	299.695	296.139	293.811	293.057	291.391	293.132	292.107	295.515
<b>3</b>	308.763	308.214	301.995	296.539	291.800	289.333	286.410	289.231	289.724	295.617
<b>4</b>	311.640	311.407	304.275	297.144	289.789	285.078	281.140	284.892	287.508	295.962
<b>5</b>	314.796	313.976	306.910	297.907	287.797	280.517	275.489	280.265	285.516	296.362
<b>6</b>	318.045	317.104	309.424	298.615	285.684	275.433	269.224	275.750	283.589	296.967
<b>7</b>	321.368	320.298	312.049	299.518	283.887	270.145	262.865	270.378	281.652	297.814
<b>8</b>	324.897	323.500	314.591	300.505	281.913	264.262	255.911	264.653	279.707	298.960
<b>9</b>	328.854	327.615	317.468	301.557	279.641	258.527	247.867	259.085	277.370	300.095
<b>10</b>	333.704	332.000	320.828	302.646	277.612	252.680	240.279	253.211	275.415	301.473
<b>11</b>	339.122	337.270	324.022	303.829	275.713	246.815	233.222	247.243	273.534	302.879
<b>12</b>	345.351	343.461	327.699	305.225	273.218	240.940	225.048	240.670	271.533	304.303
<b>13</b>	352.166	350.341	331.926	306.771	270.899	234.758	217.293	234.628	269.307	305.458
<b>14</b>	359.651	358.124	336.404	308.251	268.069	228.176	208.458	227.804	266.906	306.575
<b>15</b>	367.946	366.326	340.808	309.573	265.071	221.166	199.781	221.669	264.178	308.037
<b>16</b>	377.321	374.835	345.984	310.764	262.046	213.876	191.654	214.277	261.413	309.601
<b>17</b>	387.031	384.294	351.402	312.254	258.480	206.522	182.334	207.285	258.164	311.025
<b>18</b>	396.788	394.023	357.370	314.032	255.063	199.427	173.611	200.070	255.277	312.580
<b>19</b>	406.982	404.673	363.989	315.885	251.395	192.100	164.431	193.152	252.084	314.516
<b>20</b>	417.633	415.156	371.344	317.849	247.830	184.569	155.652	185.453	249.012	316.453
<b>21</b>	427.985	425.639	378.838	319.693	244.199	176.385	146.677	177.577	245.521	318.566
<b>22</b>	438.310	436.132	386.556	321.489	240.549	168.202	137.479	169.710	242.262	320.707
<b>23</b>	448.625	447.248	394.861	323.808	237.077	160.223	129.557	162.839	238.957	323.063
<b>24</b>	458.429	458.168	402.821	326.405	233.194	152.422	120.796	155.354	235.792	325.623
<b>25</b>	468.223	468.781	411.088	329.440	229.433	144.359	113.516	148.027	232.664	328.677
<b>26</b>	477.114	479.143	418.787	332.214	224.946	136.883	105.472	140.794	228.800	332.112
<b>27</b>	485.269	488.881	427.166	334.980	220.859	129.305	98.462	133.969	225.253	335.212
<b>28</b>	492.038	497.763	435.843	337.558	216.837	122.174	92.364	127.359	221.548	338.182
<b>29</b>	498.350	507.259	445.395	340.258	212.526	115.359	86.266	120.451	217.982	341.441
<b>30</b>	503.517	515.526	454.081	343.386	207.909	109.261	80.689	114.623	214.277	344.578
<b>31</b>	507.594	522.304	463.158	346.366	203.459	103.796	75.559	108.507	210.385	347.864
<b>32</b>	510.992	528.383	471.640	349.754	199.064	98.424	70.867	103.005	206.261	350.983
<b>33</b>	513.255	533.792	480.763	353.059	194.782	93.229	67.162	97.112	201.839	353.860
<b>34</b>	514.763	539.099	489.673	356.523	190.257	87.830	63.903	91.730	197.379	356.662
<b>35</b>	514.856	542.972	499.206	359.911	185.090	82.691	61.073	86.461	192.184	359.520
<b>36</b>	512.985	546.510	508.190	363.300	179.942	77.859	58.811	81.825	187.297	362.751
<b>37</b>	509.065	549.219	517.612	365.758	174.244	73.530	57.126	77.272	181.990	365.981
<b>38</b>	503.023	551.174	526.940	368.793	169.273	69.070	56.381	72.608	177.251	369.398
<b>39</b>	495.696	552.952	536.381	372.061	163.798	65.067	55.729	68.335	172.131	372.601
<b>40</b>	484.822	553.818	546.184	375.766	158.687	61.054	55.859	64.676	167.643	376.120
<b>41</b>	470.857	552.570	556.518	379.965	153.800	57.293	56.306	61.054	163.324	379.853
<b>42</b>	454.835	550.206	567.904	384.322	148.586	53.653	58.401	57.768	158.296	384.154
<b>43</b>	436.485	546.417	579.420	388.521	143.773	50.134	61.566	54.128	153.511	388.847
<b>44</b>	416.553	540.710	590.313	393.278	138.457	46.894	66.631	50.283	148.390	393.874
<b>45</b>	395.689	531.605	602.611	398.594	133.709	43.645	73.651	47.136	143.773	399.032
<b>46</b>	375.561	519.893	615.608	403.975	128.942	40.964	86.815	43.971	139.341	404.794
<b>47</b>	354.633	505.704	629.042	410.278	124.343	38.524	107.082	41.383	135.319	410.995
<b>48</b>	334.672	489.375	642.998	417.344	119.632	36.718	141.827	39.288	131.065	418.433
<b>49</b>	313.669	471.183	658.042	425.509	115.433	35.154	162.327	37.370	127.099	426.635
<b>50</b>	293.793	451.083	673.469	435.098	111.356	34.028	161.722	36.132	122.993	437.044
<b>51</b>	272.519	429.875	690.599	445.218	107.520	33.153	146.743	35.191	119.372	448.858
<b>52</b>	251.544	408.109	706.351	456.492	103.843	32.529	119.027	34.577	115.778	460.970
<b>53</b>	232.682	383.968	719.655	469.033	100.035	31.812	95.240	34.167	112.203	474.125

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**CANDELA TABULATION - (Cont.)**

54	212.955	361.913	732.205	482.793	96.385	31.049	88.602	33.255	108.637	488.220
55	195.573	337.530	741.804	501.031	92.727	30.955	122.146	32.054	105.248	505.984
56	178.927	313.287	748.283	522.090	89.571	31.197	138.596	31.263	101.915	528.262
57	162.299	287.061	750.909	546.817	86.833	29.820	139.043	31.011	99.011	555.289
58	146.305	262.604	749.587	573.508	84.124	28.088	115.042	29.801	96.115	584.950
59	130.097	240.735	743.805	604.371	81.313	26.664	84.217	28.265	93.211	619.239
60	109.261	220.216	733.155	636.499	78.725	25.612	66.752	27.045	90.865	655.194
61	86.591	201.345	719.236	669.680	76.211	25.360	54.007	26.682	88.472	691.418
62	71.342	183.386	701.399	699.509	73.818	25.183	45.088	26.934	86.228	724.077
63	61.427	162.709	681.038	727.746	71.751	24.438	40.889	25.844	84.115	755.061
64	52.033	135.291	656.013	751.346	69.740	22.968	38.031	24.830	82.039	780.570
65	43.123	111.160	624.741	769.575	68.307	22.148	36.001	23.843	80.279	798.557
66	36.951	96.162	595.228	775.310	67.543	21.338	34.456	23.144	79.786	804.962
67	32.212	81.266	561.434	770.422	67.441	20.770	33.162	22.632	79.851	794.144
68	28.823	68.353	526.736	750.834	67.832	20.342	31.933	22.046	80.484	754.884
69	26.254	57.219	488.714	704.098	69.126	20.044	31.067	21.497	82.104	687.927
70	23.964	48.244	445.981	622.944	71.090	19.793	31.495	21.161	84.571	586.607
71	21.971	41.234	398.808	513.702	73.474	19.607	31.291	20.891	88.211	427.315
72	20.202	35.694	342.697	353.283	75.941	19.355	30.211	20.724	91.526	271.104
73	18.666	31.067	275.620	246.815	76.509	19.169	28.516	20.500	92.903	174.067
74	17.214	27.166	205.609	141.231	72.589	19.067	27.474	20.221	88.630	126.335
75	15.873	24.010	135.804	105.760	63.521	18.946	27.464	19.970	76.620	97.484
76	14.598	21.320	93.155	82.383	51.931	18.992	26.859	19.765	60.161	66.370
77	12.708	18.955	58.299	56.418	40.991	19.048	24.923	19.402	45.497	38.645
78	11.926	16.888	36.877	32.994	31.914	19.020	22.614	18.843	33.888	24.438
79	11.284	15.212	27.408	21.320	24.802	18.517	20.426	18.126	25.760	19.095
80	10.241	13.965	21.618	17.875	19.616	17.503	15.706	17.167	20.016	16.525
81	9.273	12.838	17.726	16.190	16.125	16.022	13.164	16.069	16.544	14.672
82	8.249	11.693	15.091	14.868	13.676	14.514	11.544	14.700	13.956	13.453
83	7.159	10.194	13.276	14.347	12.140	12.987	10.725	13.537	12.336	12.503
84	6.256	8.770	11.693	14.514	10.781	11.637	10.027	12.354	10.986	11.386
85	5.474	7.485	10.120	13.341	9.636	10.343	9.273	11.433	9.813	10.027
86	4.916	6.405	8.798	11.824	8.519	9.189	8.519	10.474	8.742	8.686
87	4.385	5.595	7.346	10.725	7.615	8.053	7.923	9.422	7.774	7.541
88	4.096	5.074	6.629	9.934	7.057	7.057	7.467	8.398	7.206	6.657
89	3.929	4.934	6.219	9.133	6.675	6.247	6.899	7.169	6.927	6.284
90	3.817	4.916	6.284	8.537	6.498	5.679	6.582	6.545	6.833	6.508
91	3.696	4.869	6.498	8.463	6.480	5.428	6.163	6.191	6.833	6.647
92	3.622	4.832	6.731	8.556	6.629	5.446	6.061	6.210	6.982	6.750
93	3.622	4.860	6.982	8.658	6.759	5.493	6.061	6.284	7.122	5.940
94	3.649	5.093	7.383	8.686	6.852	5.521	6.061	6.321	7.206	6.135
95	3.705	5.484	7.699	8.556	6.908	5.521	6.061	6.331	7.290	6.405
96	3.771	5.791	7.895	8.798	7.010	5.521	6.089	6.359	7.383	6.619
97	3.724	5.558	7.811	9.273	7.131	5.530	6.107	6.387	7.513	6.703
98	3.594	5.102	7.336	9.999	7.215	5.567	6.145	6.405	7.615	6.852
99	3.454	4.785	6.498	10.092	7.262	5.642	6.107	6.470	7.699	6.899
100	3.361	4.608	5.996	10.315	7.234	5.707	6.014	6.545	7.737	6.750
101	3.286	4.469	5.521	9.599	7.234	5.781	5.958	6.629	7.699	6.675
102	3.240	4.310	5.074	8.398	7.243	5.884	5.958	6.731	7.718	6.694
103	3.240	4.189	4.944	8.146	7.318	5.986	5.968	6.852	7.718	6.554
104	3.258	4.050	4.916	7.792	7.439	6.107	6.033	6.982	7.792	6.424
105	3.286	3.957	4.916	7.467	7.597	6.238	6.145	7.131	7.951	6.554
106	3.342	3.919	4.916	7.420	7.737	6.396	6.256	7.290	8.081	6.722
107	3.417	3.873	4.897	7.541	7.858	6.545	6.424	7.467	8.230	6.880
108	3.482	3.854	4.860	7.690	7.997	6.722	6.582	7.634	8.360	7.010
109	3.519	3.826	4.841	7.820	8.128	6.871	6.750	7.811	8.500	7.141

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**CANDELA TABULATION - (Cont.)**

110	3.566	3.798	4.804	7.951	8.249	7.048	6.908	7.979	8.612	7.262
111	3.575	3.771	4.767	8.081	8.351	7.169	7.057	8.146	8.742	7.364
112	3.603	3.743	4.739	8.221	8.463	7.336	7.206	8.323	8.863	7.467
113	3.631	3.743	4.720	8.332	8.574	7.485	7.346	8.463	8.984	7.541
114	3.668	3.724	4.711	8.444	8.649	7.634	7.522	8.621	9.086	7.634
115	3.696	3.724	4.692	8.537	8.714	7.755	7.671	8.770	9.170	7.690
116	3.752	3.696	4.664	8.612	8.770	7.904	7.830	8.919	9.263	7.737
117	3.780	3.696	4.646	8.658	8.816	8.025	7.979	9.068	9.319	7.774
118	3.817	3.724	4.646	8.686	8.844	8.155	8.109	9.198	9.384	7.811
119	3.845	3.724	4.636	8.733	8.872	8.258	8.258	9.319	9.431	7.830
120	3.873	3.743	4.646	8.742	8.872	8.332	8.379	9.422	9.477	7.885
121	3.901	3.771	4.646	8.761	8.872	8.407	8.500	9.524	9.505	7.904
122	3.929	3.817	4.664	8.789	8.872	8.481	8.593	9.626	9.533	7.951
123	3.975	3.845	4.664	8.816	8.844	8.556	8.695	9.729	9.552	7.997
124	4.022	3.873	4.683	8.863	8.844	8.621	8.798	9.831	9.561	8.034
125	4.050	3.929	4.692	8.891	8.816	8.695	8.919	9.934	9.561	8.081
126	4.106	3.994	4.692	8.938	8.798	8.761	9.021	10.008	9.580	8.146
127	4.152	4.068	4.720	8.965	8.798	8.816	9.124	10.092	9.580	8.174
128	4.189	4.134	4.757	9.012	8.798	8.863	9.207	10.166	9.580	8.221
129	4.245	4.189	4.785	9.049	8.798	8.919	9.301	10.241	9.561	8.258
130	4.292	4.255	4.832	9.096	8.816	8.965	9.384	10.297	9.552	8.304
131	4.357	4.310	4.869	9.124	8.863	9.012	9.459	10.343	9.524	8.360
132	4.413	4.385	4.934	9.189	8.910	9.040	9.524	10.390	9.505	8.425
133	4.469	4.441	5.009	9.245	8.947	9.068	9.580	10.418	9.477	8.481
134	4.534	4.506	5.055	9.338	9.040	9.096	9.626	10.436	9.459	8.574
135	4.590	4.562	5.130	9.403	9.114	9.124	9.673	10.436	9.450	8.649
136	4.664	4.618	5.195	9.505	9.198	9.133	9.701	10.436	9.431	8.733
137	4.739	4.692	5.269	9.599	9.282	9.170	9.710	10.436	9.403	8.798
138	4.804	4.757	5.344	9.682	9.384	9.198	9.729	10.436	9.375	8.872
139	4.869	4.804	5.400	9.757	9.477	9.207	9.729	10.399	9.347	8.947
140	4.944	4.878	5.456	9.813	9.561	9.245	9.729	10.390	9.338	9.012
141	5.018	4.953	5.493	9.887	9.654	9.282	9.729	10.371	9.319	9.086
142	5.102	5.018	5.558	9.952	9.729	9.319	9.729	10.343	9.319	9.124
143	5.176	5.074	5.605	10.008	9.813	9.356	9.729	10.297	9.301	9.170
144	5.269	5.130	5.642	10.064	9.887	9.384	9.729	10.269	9.301	9.207
145	5.353	5.195	5.707	10.111	9.962	9.431	9.729	10.222	9.301	9.263
146	5.446	5.251	5.763	10.138	10.036	9.459	9.710	10.185	9.301	9.273
147	5.530	5.297	5.819	10.166	10.092	9.505	9.701	10.138	9.301	9.319
148	5.623	5.353	5.884	10.194	10.148	9.552	9.682	10.092	9.301	9.338
149	5.716	5.409	5.930	10.213	10.194	9.580	9.682	10.045	9.319	9.347
150	5.809	5.456	5.996	10.213	10.222	9.608	9.673	10.027	9.319	9.356
151	5.912	5.521	6.061	10.213	10.269	9.654	9.673	9.971	9.338	9.356
152	5.996	5.595	6.117	10.213	10.315	9.701	9.673	9.934	9.338	9.356
153	6.089	5.642	6.191	10.213	10.334	9.729	9.673	9.896	9.338	9.347
154	6.172	5.707	6.247	10.213	10.362	9.775	9.682	9.878	9.338	9.338
155	6.256	5.781	6.321	10.194	10.371	9.803	9.682	9.850	9.338	9.319
156	6.359	5.856	6.396	10.194	10.371	9.831	9.710	9.813	9.319	9.301
157	6.452	5.930	6.470	10.194	10.390	9.850	9.729	9.785	9.319	9.282
158	6.545	6.014	6.545	10.185	10.390	9.878	9.757	9.775	9.319	9.282
159	6.647	6.089	6.629	10.185	10.390	9.887	9.775	9.747	9.301	9.282
160	6.750	6.163	6.703	10.166	10.371	9.896	9.785	9.710	9.282	9.301
161	6.833	6.256	6.778	10.148	10.362	9.924	9.785	9.701	9.273	9.338
162	6.936	6.368	6.852	10.120	10.334	9.924	9.803	9.682	9.245	9.356
163	7.048	6.470	6.936	10.092	10.287	9.924	9.813	9.673	9.207	9.384
164	7.131	6.573	7.029	10.045	10.269	9.896	9.803	9.636	9.189	9.422
165	7.243	6.694	7.122	10.008	10.222	9.896	9.803	9.608	9.133	9.459

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BLS-2A-4000°K-P.IES**

**CANDELA TABULATION - (Cont.)**

166	7.346	6.824	7.206	9.962	10.194	9.878	9.803	9.580	9.096	9.496
167	7.485	6.936	7.271	9.924	10.148	9.859	9.785	9.524	9.049	9.524
168	7.569	7.048	7.346	9.878	10.111	9.850	9.757	9.496	8.993	9.533
169	7.671	7.131	7.420	9.831	10.064	9.813	9.710	9.450	8.947	9.552
170	7.792	7.234	7.513	9.785	10.027	9.785	9.673	9.384	8.910	9.561
171	7.904	7.346	7.597	9.775	9.971	9.747	9.636	9.338	8.863	9.580
172	8.025	7.457	7.699	9.757	9.952	9.710	9.599	9.263	8.798	9.580
173	8.109	7.560	7.774	9.747	9.924	9.654	9.533	9.189	8.761	9.599
174	8.174	7.662	7.858	9.729	9.878	9.608	9.431	9.096	8.695	9.599
175	8.258	7.774	7.951	9.729	9.831	9.552	9.338	8.993	8.658	9.608
176	8.379	7.904	8.034	9.729	9.775	9.496	9.235	8.891	8.593	9.636
177	8.500	8.072	8.146	9.729	9.747	9.422	9.161	8.798	8.537	9.673
178	8.621	8.221	8.249	9.729	9.701	9.347	9.068	8.695	8.509	9.682
179	8.761	8.379	8.360	9.729	9.654	9.282	8.984	8.593	8.435	9.701
180	8.872	8.872	8.872	8.872	8.872	8.872	8.872	8.872	8.872	8.872

**Vert. Angles**      **Horizontal Angles**

	<u>300</u>	<u>330</u>	<u>360</u>
0	297.944	297.944	297.944
1	298.960	302.441	302.469
2	300.468	305.085	305.635
3	302.395	308.074	308.763
4	304.369	310.923	311.640
5	306.547	313.520	314.796
6	308.754	316.192	318.045
7	310.802	318.734	321.368
8	312.952	321.694	324.897
9	315.177	324.925	328.854
10	317.654	328.612	333.704
11	320.195	332.820	339.122
12	322.737	337.819	345.351
13	325.744	343.405	352.166
14	329.254	349.624	359.651
15	333.220	356.160	367.946
16	337.661	363.542	377.321
17	342.288	371.363	387.031
18	347.138	379.825	396.788
19	352.733	389.023	406.982
20	358.683	398.380	417.633
21	365.172	408.016	427.985
22	371.484	417.745	438.310
23	378.624	427.641	448.625
24	385.663	437.658	458.429
25	392.952	447.527	468.223
26	400.205	457.358	477.114
27	407.476	467.059	485.269
28	414.896	476.425	492.038
29	422.707	485.083	498.350
30	430.266	492.838	503.517
31	437.798	500.370	507.594
32	445.190	507.455	510.992
33	453.485	513.897	513.255
34	460.645	519.446	514.763
35	468.958	524.278	514.856
36	476.853	528.821	512.985

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BLS-2A-4000°K-P.IES**

**CANDELA TABULATION - (Cont.)**

37	484.925	532.172	509.065
38	492.978	534.677	503.023
39	501.422	536.660	495.696
40	510.201	537.014	484.822
41	519.548	535.319	470.857
42	528.486	532.107	454.835
43	538.215	526.466	436.485
44	548.679	518.897	416.553
45	560.000	508.739	395.689
46	571.544	496.990	375.561
47	583.945	482.858	354.633
48	595.694	464.964	334.672
49	608.914	446.689	313.669
50	621.520	426.710	293.793
51	634.721	406.461	272.519
52	647.383	385.746	251.544
53	657.940	362.825	232.682
54	667.315	339.281	212.955
55	673.962	314.656	195.573
56	678.384	288.774	178.927
57	678.990	262.884	162.299
58	676.886	239.469	146.305
59	672.333	216.381	130.097
60	664.233	196.588	109.261
61	653.350	177.419	86.591
62	638.575	157.393	71.342
63	617.284	132.778	61.427
64	591.039	107.734	52.033
65	564.617	93.350	43.123
66	538.289	79.088	36.951
67	506.561	66.780	32.212
68	470.588	55.254	28.823
69	432.305	46.335	26.254
70	387.776	39.232	23.964
71	342.688	34.093	21.971
72	290.636	30.201	20.202
73	219.891	27.222	18.666
74	149.294	24.857	17.214
75	93.471	22.530	15.873
76	60.319	20.184	14.598
77	41.550	18.257	12.708
78	32.277	16.581	11.926
79	25.621	15.166	11.284
80	20.966	14.058	10.241
81	17.819	12.634	9.273
82	15.408	11.181	8.249
83	13.369	9.608	7.159
84	11.637	8.034	6.256
85	10.287	6.722	5.474
86	9.012	5.744	4.916
87	7.662	5.055	4.385
88	6.871	4.636	4.096
89	6.871	4.618	3.929
90	6.982	4.590	3.817
91	7.141	4.515	3.696
92	7.346	4.506	3.622

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BLS-2A-4000°K-P.IES**

**CANDELA TABULATION - (Cont.)**

93	7.569	4.515	3.622
94	7.951	4.720	3.649
95	8.435	5.055	3.705
96	8.277	5.195	3.771
97	7.932	4.934	3.724
98	7.383	4.618	3.594
99	6.824	4.432	3.454
100	6.321	4.329	3.361
101	5.707	4.255	3.286
102	5.558	4.171	3.240
103	5.530	4.106	3.240
104	5.530	3.994	3.258
105	5.558	3.957	3.286
106	5.595	3.947	3.342
107	5.595	3.947	3.417
108	5.567	3.947	3.482
109	5.549	3.947	3.519
110	5.493	3.929	3.566
111	5.493	3.929	3.575
112	5.521	3.929	3.603
113	5.558	3.929	3.631
114	5.623	3.957	3.668
115	5.642	3.994	3.696
116	5.679	4.022	3.752
117	5.716	4.050	3.780
118	5.781	4.078	3.817
119	5.856	4.106	3.845
120	5.930	4.152	3.873
121	6.014	4.208	3.901
122	6.107	4.264	3.929
123	6.172	4.338	3.975
124	6.256	4.394	4.022
125	6.359	4.469	4.050
126	6.424	4.543	4.106
127	6.498	4.618	4.152
128	6.582	4.692	4.189
129	6.657	4.767	4.245
130	6.731	4.860	4.292
131	6.806	4.934	4.357
132	6.880	5.009	4.413
133	6.954	5.093	4.469
134	7.029	5.167	4.534
135	7.094	5.232	4.590
136	7.141	5.325	4.664
137	7.206	5.400	4.739
138	7.271	5.474	4.804
139	7.318	5.549	4.869
140	7.383	5.632	4.944
141	7.439	5.707	5.018
142	7.485	5.791	5.102
143	7.522	5.884	5.176
144	7.588	5.958	5.269
145	7.634	6.033	5.353
146	7.671	6.117	5.446
147	7.699	6.210	5.530
148	7.746	6.284	5.623



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BLS-2A-4000°K-P.IES**

**CANDELA TABULATION - (Cont.)**

<b>149</b>	7.792	6.359	5.716
<b>150</b>	7.830	6.424	5.809
<b>151</b>	7.885	6.498	5.912
<b>152</b>	7.904	6.582	5.996
<b>153</b>	7.969	6.657	6.089
<b>154</b>	7.997	6.731	6.172
<b>155</b>	8.034	6.806	6.256
<b>156</b>	8.072	6.899	6.359
<b>157</b>	8.128	6.973	6.452
<b>158</b>	8.174	7.057	6.545
<b>159</b>	8.221	7.131	6.647
<b>160</b>	8.277	7.215	6.750
<b>161</b>	8.332	7.308	6.833
<b>162</b>	8.398	7.392	6.936
<b>163</b>	8.444	7.485	7.048
<b>164</b>	8.509	7.588	7.131
<b>165</b>	8.584	7.690	7.243
<b>166</b>	8.658	7.792	7.346
<b>167</b>	8.714	7.895	7.485
<b>168</b>	8.789	7.997	7.569
<b>169</b>	8.844	8.100	7.671
<b>170</b>	8.919	8.202	7.792
<b>171</b>	8.993	8.323	7.904
<b>172</b>	9.068	8.407	8.025
<b>173</b>	9.124	8.509	8.109
<b>174</b>	9.198	8.612	8.174
<b>175</b>	9.273	8.733	8.258
<b>176</b>	9.347	8.835	8.379
<b>177</b>	9.422	8.938	8.500
<b>178</b>	9.477	9.040	8.621
<b>179</b>	9.533	9.161	8.761
<b>180</b>	8.872	8.872	8.872

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BLS-2A-4000°K-P.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	112.48	8.20	8.20
0-30	255.95	18.60	18.60
0-40	458.53	33.30	33.30
0-60	979.70	71.20	71.20
0-80	1320.28	96.00	96.00
0-90	1331.25	96.70	96.80
10-90	1303.00	94.70	94.70
20-40	346.05	25.10	25.20
20-50	594.34	43.20	43.20
40-70	781.29	56.80	56.80
60-80	340.58	24.80	24.80
70-80	80.46	5.80	5.80
80-90	10.97	0.80	0.80
90-110	13.28	1.00	1.00
90-120	19.88	1.40	1.40
90-130	26.33	1.90	1.90
90-150	37.41	2.70	2.70
90-180	44.67	3.20	3.20
110-180	31.39	2.30	2.30
0-180	1375.92	100.00	100.00

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	28.24
10-20	84.24
20-30	143.47
30-40	202.58
40-50	248.29
50-60	272.88
60-70	260.12
70-80	80.46
80-90	10.97
90-100	6.90
100-110	6.38
110-120	6.60
120-130	6.46
130-140	5.96
140-150	5.12
150-160	3.92
160-170	2.49
170-180	0.85

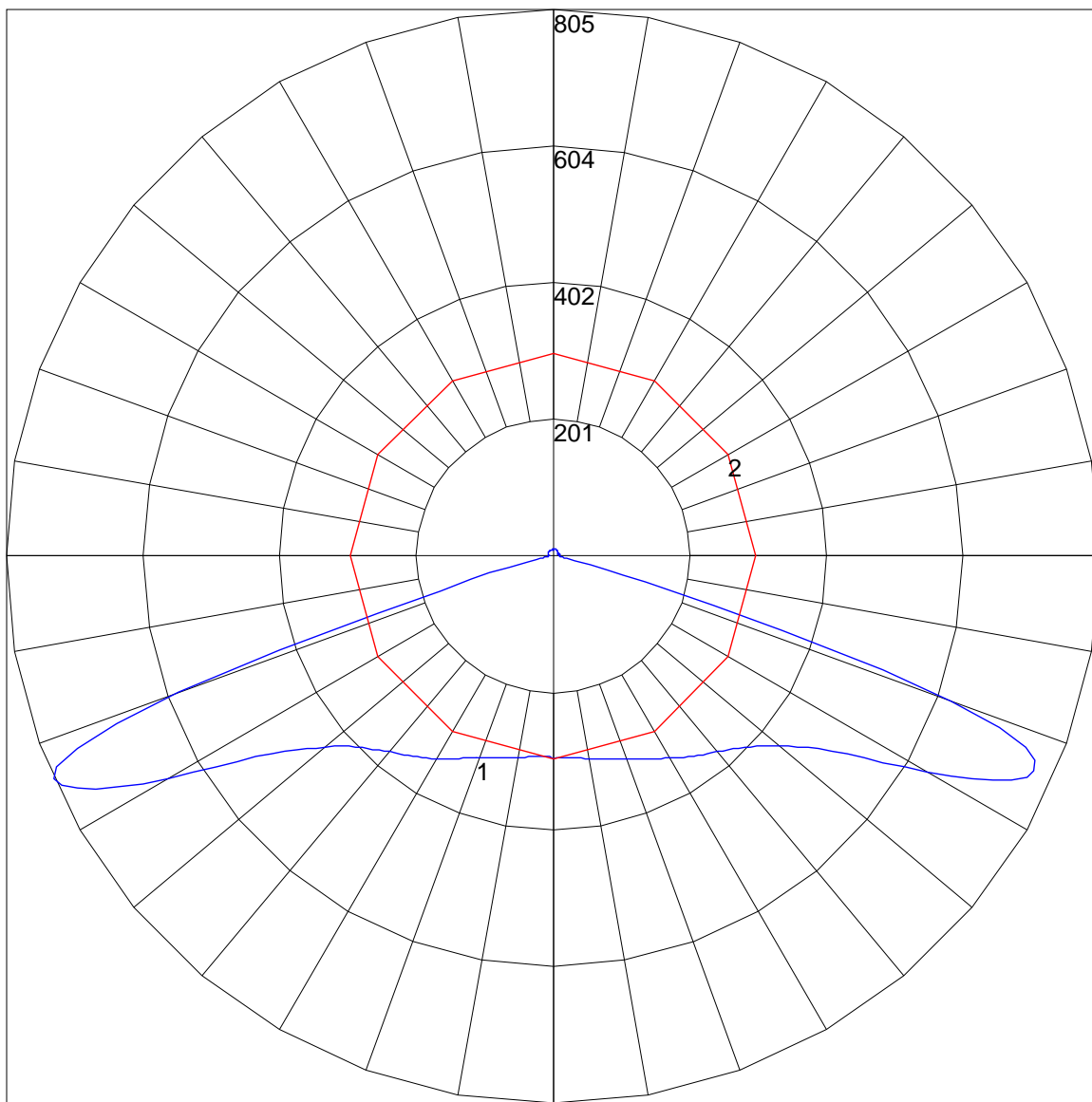
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BLS-2A-4000°K-P.IES**

**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 = 804.962 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)