IES INDOOR REPORT
PHOTOMETRIC FILENAME : BTR66.181.20.0019.03 DSB1140FIL-CL27.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] BTR66.181.20.0019.03
[TESTLAB] BEST TEST SERVICE SHENZHEN CO.,LTD
[TESTDATE] 2021-04-27
[ISSUEDATE] 2021-04-27 17:50:20
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] AC120V/60HZ
[MANUFAC] Hangzhou Huoshi Lighting Co., Ltd
[LUMCAT] DSB1140FIL-CL27
[LUMINAIRE] B11 AC120V/60HZ 4W 2700K
[OTHER]

[OTHER] Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
[OTHER] 0- 10	0.68	0.68	0.14	0.14
[OTHER] 10- 20	3.50	4.18	0.89	0.89
[OTHER] 20- 30	8.91	13.08	2.79	2.79
[OTHER] 30- 40	16.72	29.81	6.36	6.36
[OTHER] 40- 50	26.14	55.94	11.94	11.94
[OTHER] 50- 60	35.76	91.70	19.58	19.58
[OTHER] 60- 70	44.14	135.84	29.00	29.00
[OTHER] 70- 80	50.32	186.16	39.75	39.75
[OTHER] 80- 90	53.37	239.52	51.14	51.14
[OTHER] 90-100	53.00	292.53	62.46	62.46
[OTHER] 100-110	49.57	342.10	73.04	73.04
[OTHER] 110-120	43.17	385.27	82.26	82.26
[OTHER] 120-130	34.55	419.81	89.63	89.63
[OTHER] 130-140	24.89	444.70	94.95	94.95
[OTHER] 140-150	15.49	460.19	98.25	98.25
[OTHER] 150-160	7.13	467.32	99.77	99.77
[OTHER] 160-170	1.06	468.37	100.00	100.00
[OTHER] 170-180	0.00	468.37	100.00	100.00

[OTHER]

CHARACTERISTICS

Lumens Per Lamp	468.37 (1 lamp)
Total Lamp Lumens	468.37
Luminaire Lumens	468
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	3.9695
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 m
Luminous Width (90-270)	0.00 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	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BTR66.181.20.0019.03 DSB1140FIL-CL27.IES

CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0	5.423	5.423	5.423	5.423	5.423	5.423	5.423	5.423	5.423	5.423
1	6.861	6.971	6.943	6.555	5.047	4.880	4.753	4.680	4.656	4.700
2	8.220	8.534	8.417	7.220	5.460	4.847	4.394	4.101	3.934	3.954
3	9.907	10.257	9.568	7.141	5.611	4.637	4.124	3.794	3.551	3.383
4	10.773	11.871	10.392	6.892	5.371	4.527	4.124	3.924	3.612	3.128
5	11.124	13.184	10.941	7.259	5.411	4.712	4.502	4.443	3.818	3.132
6	11.348	13.984	11.357	7.847	5.880	5.077	5.284	5.051	3.905	3.169
7	11.617	14.457	11.807	8.412	6.445	5.578	6.280	5.595	4.025	3.377
8	12.105	14.770	12.317	9.055	7.177	6.464	7.763	6.045	3.986	3.707
9	12.702	15.176	12.874	9.797	8.228	7.736	9.247	6.221	4.185	4.188
10	13.390	15.732	13.590	10.622	9.287	9.010	10.771	5.891	4.499	4.638
11	13.991	16.291	14.362	11.374	10.572	10.284	12.138	5.318	4.680	4.872
12	14.549	17.042	15.370	12.023	11.494	11.410	12.793	5.001	4.893	5.075
13	15.111	17.949	16.470	12.587	12.316	12.531	13.005	5.059	5.074	5.377
14	15.496	18.855	17.599	13.209	13.245	13.474	12.779	5.236	5.320	6.002
15	15.910	19.761	18.729	14.022	14.116	14.346	12.346	5.529	5.961	7.059
16	16.460	20.835	19.858	14.745	14.860	15.050	12.195	5.979	6.925	7.876
17	17.088	21.934	20.728	15.487	15.804	15.727	12.389	6.370	7.951	8.467
18	17.702	23.043	21.562	16.261	16.786	16.371	12.876	6.740	8.587	8.842
19	18.466	24.165	22.563	17.135	17.708	16.859	13.361	7.072	9.126	9.178
20	19.229	25.263	23.528	17.973	18.666	17.296	13.912	7.470	9.665	9.514
21	19.995	26.352	24.482	18.812	19.704	17.664	14.479	7.894	10.241	9.850
22	20.926	27.537	25.519	19.649	20.692	17.905	15.116	8.369	10.869	10.206
23	21.796	28.709	26.549	20.439	21.656	18.094	15.791	8.856	11.408	10.654
24	22.634	29.757	27.612	21.269	22.568	18.298	16.383	9.343	12.086	11.062
25	23.560	30.877	28.642	22.084	23.420	18.599	17.051	9.830	12.872	11.546
26	24.508	32.011	29.771	22.947	24.201	18.936	17.778	10.378	13.631	11.950
27	25.390	33.095	30.861	23.788	25.091	19.297	18.509	10.776	14.346	12.545
28	26.279	34.196	31.940	24.647	25.955	19.677	19.084	11.368	15.146	13.100
29	27.203	35.226	32.989	25.407	26.852	20.071	19.661	11.943	15.904	13.731
30	28.129	36.299	34.089	26.227	27.727	20.444	20.276	12.381	16.607	14.259
31	29.069	37.353	35.153	27.017	28.660	20.823	20.764	12.910	17.280	14.775
32	29.967	38.430	36.227	27.785	29.577	21.143	21.285	13.424	17.883	15.278
33	30.868	39.419	37.306	28.569	30.490	21.500	21.743	13.899	18.496	15.852
34	31.842	40.530	38.409	29.346	31.387	21.906	22.255	14.340	19.103	16.399
35	32.794	41.549	39.470	30.065	32.285	22.242	22.779	14.918	19.687	16.980
36	33.806	42.521	40.504	30.779	33.179	22.608	23.334	15.434	20.256	17.526
37	34.770	43.504	41.524	31.496	34.090	23.022	23.918	15.977	20.891	18.109
38	35.717	44.432	42.528	32.167	35.018	23.370	24.497	16.511	21.483	18.727
39	36.683	45.374	43.525	32.874	35.910	23.700	25.121	17.092	22.092	19.359
40	37.625	46.251	44.549	33.557	36.789	24.026	25.673	17.652	22.738	20.000
41	38.541	47.172	45.507	34.314	37.677	24.333	26.269	18.171	23.412	20.651
42	39.475	48.016	46.494	35.110	38.517	24.626	26.796	18.689	24.008	21.265
43	40.386	48.849	47.529	35.937	39.345	24.975	27.441	19.228	24.608	21.857
44	41.269	49.644	48.600	36.710	40.169	25.286	28.087	19.780	25.194	22.487
45	42.108	50.449	49.561	37.464	41.021	25.589	28.731	20.336	25.759	23.066
46	42.927	51.240	50.583	38.187	41.878	25.892	29.346	20.879	26.332	23.653
47	43.754	51.975	51.521	38.882	42.716	26.198	29.880	21.463	26.840	24.215
48	44.611	52.716	52.362	39.580	43.537	26.513	30.446	22.017	27.406	24.770
49	45.393	53.390	53.200	40.191	44.377	26.826	31.001	22.601	27.948	25.299
50	46.223	54.058	54.040	40.782	45.155	27.193	31.502	23.172	28.435	25.830
51	47.025	54.698	54.761	41.385	45.924	27.519	31.972	23.736	28.975	26.362
52	47.759	55.338	55.478	41.961	46.738	27.911	32.479	24.331	29.510	26.861
53	48.475	55.802	56.160	42.493	47.455	28.334	32.956	24.925	30.019	27.357
54	49.237	56.302	56.825	43.030	48.193	28.762	33.385	25.519	30.530	27.881
55	49.828	56.730	57.435	43.546	48.913	29.181	33.822	26.137	31.074	28.411
56	50.433	57.043	58.060	44.030	49.645	29.575	34.208	26.691	31.549	28.958
57	51.037	57.421	58.608	44.549	50.340	29.958	34.619	27.229	32.054	29.457
58	51.684	57.734	59.086	44.965	51.020	30.326	34.981	27.771	32.566	29.991

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Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

59	52.235	58.083	59.548	45.397	51.732	30.727	35.362	28.279	33.048	30.541
60	52.774	58.440	59.956	45.843	52.391	31.117	35.730	28.753	33.557	31.099
61	53.350	58.826	60.398	46.263	52.995	31.506	36.080	29.251	34.026	31.593
62	53.833	59.185	60.833	46.734	53.659	31.870	36.439	29.751	34.491	32.072
63	54.386	59.522	61.275	47.220	54.227	32.289	36.697	30.241	34.952	32.532
64	54.919	59.905	61.700	47.636	54.699	32.699	36.943	30.750	35.429	33.035
65	55.391	60.211	62.056	48.066	55.237	33.126	37.195	31.267	35.856	33.500
66	55.889	60.448	62.343	48.511	55.752	33.512	37.401	31.771	36.305	33.958
67	56.452	60.696	62.599	48.865	56.231	33.907	37.641	32.295	36.745	34.389
68	56.941	60.839	62.916	49.139	56.759	34.359	37.864	32.734	37.205	34.833
69	57.420	60.901	63.147	49.351	57.206	34.807	38.097	33.175	37.662	35.277
70	57.820	61.065	63.292	49.623	57.600	35.232	38.285	33.562	38.140	35.704
71	58.189	61.148	63.489	49.864	58.071	35.629	38.472	34.014	38.598	36.202
72	58.578	61.125	63.632	50.146	58.435	35.961	38.657	34.406	38.952	36.658
73	58.931	61.115	63.700	50.380	58.789	36.272	38.829	34.761	39.358	37.160
74	59.190	61.099	63.818	50.578	59.151	36.555	39.007	35.101	39.785	37.686
75	59.449	61.036	63.937	50.780	59.447	36.837	39.165	35.446	40.200	38.137
76	59.694	60.980	63.907	51.034	59.746	37.137	39.274	35.800	40.573	38.563
77	59.933	60.904	63.871	51.201	60.013	37.415	39.371	36.115	40.880	38.917
78	60.081	60.843	63.858	51.314	60.237	37.694	39.474	36.404	41.185	39.287
79	60.219	60.778	63.834	51.438	60.460	37.931	39.515	36.678	41.477	39.628
80	60.356	60.621	63.756	51.598	60.666	38.177	39.554	36.939	41.760	39.948
81	60.463	60.488	63.639	51.588	60.840	38.429	39.587	37.205	41.994	40.304
82	60.522	60.354	63.554	51.581	61.030	38.657	39.574	37.431	42.232	40.561
83	60.595	60.155	63.480	51.657	61.146	38.887	39.577	37.709	42.448	40.853
84	60.629	59.923	63.373	51.676	61.303	39.097	39.617	37.866	42.624	41.125
85	60.625	59.731	63.234	51.621	61.475	39.350	39.620	38.104	42.762	41.350
86	60.638	59.411	63.074	51.539	61.563	39.557	39.574	38.278	42.882	41.567
87	60.648	59.046	62.799	51.558	61.643	39.760	39.495	38.524	42.985	41.747
88	60.571	58.711	62.491	51.461	61.764	39.938	39.469	38.695	43.076	41.938
89	60.417	58.358	62.210	51.299	61.796	40.210	39.425	38.901	43.149	42.097
90	60.284	57.960	61.890	51.164	61.784	40.345	39.371	39.103	43.176	42.220
91	60.219	57.630	61.648	51.034	61.842	40.478	39.331	39.300	43.208	42.345
92	60.107	57.364	61.353	50.809	61.835	40.626	39.255	39.426	43.198	42.461
93	60.059	57.034	61.123	50.540	61.747	40.812	39.138	39.550	43.175	42.575
94	60.005	56.690	60.839	50.292	61.737	40.932	39.034	39.712	43.165	42.695
95	59.873	56.333	60.448	49.999	61.651	41.037	38.931	39.806	43.136	42.779
96	59.707	56.009	60.176	49.703	61.460	41.165	38.801	39.955	43.109	42.843
97	59.649	55.667	59.929	49.451	61.369	41.255	38.678	40.038	43.043	42.942
98	59.522	55.331	59.604	49.228	61.216	41.290	38.516	40.129	42.962	43.026
99	59.318	54.953	59.309	48.996	60.937	41.333	38.364	40.130	42.873	43.027
100	59.166	54.574	59.018	48.746	60.744	41.382	38.182	40.182	42.740	43.043
101	59.004	54.182	58.749	48.505	60.506	41.422	37.978	40.182	42.570	43.001
102	58.742	53.898	58.405	48.207	60.206	41.419	37.774	40.156	42.463	42.965
103	58.461	53.555	57.981	47.888	59.951	41.461	37.504	40.140	42.311	42.883
104	58.173	53.048	57.650	47.585	59.568	41.439	37.268	40.113	42.116	42.810
105	57.862	52.639	57.251	47.232	59.223	41.395	37.002	40.057	41.921	42.694
106	57.523	52.227	56.783	46.841	58.939	41.340	36.717	40.022	41.708	42.551
107	57.101	51.740	56.419	46.474	58.440	41.359	36.418	39.915	41.496	42.398
108	56.696	51.344	55.890	46.041	58.033	41.314	36.127	39.805	41.214	42.243
109	56.288	50.766	55.436	45.652	57.610	41.225	35.797	39.679	40.948	42.083
110	55.831	50.275	54.856	45.256	57.135	41.178	35.439	39.566	40.643	41.864
111	55.356	49.852	54.370	44.774	56.654	41.105	35.066	39.411	40.340	41.709
112	54.894	49.271	53.770	44.335	56.141	40.969	34.683	39.266	40.037	41.507
113	54.381	48.700	53.177	43.885	55.631	40.895	34.290	39.076	39.713	41.296
114	53.855	48.095	52.535	43.364	55.079	40.775	33.875	38.887	39.365	41.065
115	53.265	47.514	51.941	42.900	54.508	40.625	33.483	38.744	39.022	40.815
116	52.681	46.853	51.280	42.420	53.927	40.503	33.074	38.518	38.674	40.538
117	52.098	46.153	50.548	41.836	53.290	40.383	32.589	38.318	38.250	40.266
118	51.498	45.534	49.852	41.321	52.655	40.200	32.136	38.119	37.858	40.011
119	50.844	44.857	49.185	40.773	51.934	39.987	31.646	37.835	37.430	39.660

CANDELA TABULATION - (Cont.)

120	50.230	44.131	48.548	40.201	51.237	39.789	31.164	37.546	37.000	39.323
121	49.555	43.451	47.824	39.618	50.494	39.555	30.655	37.253	36.542	38.942
122	48.939	42.785	47.075	38.968	49.741	39.299	30.183	36.954	36.063	38.602
123	48.248	42.050	46.336	38.364	49.042	39.038	29.696	36.611	35.573	38.212
124	47.520	41.408	45.505	37.637	48.259	38.760	29.184	36.270	35.036	37.809
125	46.796	40.733	44.767	36.946	47.476	38.430	28.657	35.943	34.554	37.413
126	45.998	39.968	43.913	36.255	46.726	38.082	28.125	35.581	34.010	36.966
127	45.184	39.170	43.102	35.538	45.870	37.714	27.588	35.172	33.486	36.500
128	44.416	38.392	42.243	34.802	45.020	37.287	27.066	34.702	32.938	36.060
129	43.652	37.582	41.407	34.088	44.159	36.873	26.514	34.268	32.394	35.556
130	42.960	36.884	40.506	33.273	43.244	36.398	25.981	33.849	31.853	35.069
131	42.276	36.105	39.621	32.541	42.266	35.859	25.423	33.372	31.312	34.576
132	41.605	35.338	38.817	31.730	41.342	35.308	24.872	32.906	30.747	34.043
133	40.963	34.603	37.911	30.969	40.338	34.657	24.298	32.404	30.155	33.503
134	40.251	33.791	37.048	30.197	39.394	33.940	23.710	31.870	29.577	32.968
135	39.545	33.005	36.273	29.463	38.449	33.248	23.166	31.271	28.986	32.369
136	38.830	32.259	35.453	28.763	37.464	32.457	22.616	30.628	28.418	31.728
137	38.233	31.519	34.631	28.088	36.541	31.732	22.023	29.993	27.796	31.098
138	37.564	30.700	33.841	27.300	35.529	30.936	21.374	29.299	27.158	30.420
139	36.938	29.951	32.928	26.507	34.419	30.179	20.700	28.637	26.516	29.675
140	36.239	29.219	32.003	25.692	33.342	29.262	20.081	27.925	25.928	28.898
141	35.442	28.535	31.164	24.904	32.272	28.363	19.495	27.140	25.358	28.084
142	34.494	27.817	30.202	24.129	31.182	27.444	19.033	26.319	24.852	27.208
143	33.604	26.958	29.266	23.324	30.120	26.459	18.485	25.435	24.321	26.381
144	32.787	26.015	28.360	22.513	29.094	25.464	17.937	24.547	23.739	25.477
145	31.793	25.067	27.421	21.747	27.988	24.445	17.389	23.607	23.168	24.527
146	30.743	24.090	26.494	21.039	26.820	23.406	16.879	22.638	22.563	23.516
147	29.614	23.017	25.497	20.369	25.636	22.238	16.363	21.682	21.945	22.525
148	28.346	21.978	24.516	19.552	24.464	21.031	15.858	20.693	21.337	21.563
149	27.072	20.807	23.488	18.635	23.187	19.644	15.377	19.781	20.691	20.528
150	25.762	19.645	22.335	17.912	21.881	18.253	14.881	18.628	20.015	19.504
151	24.314	18.386	21.044	17.119	20.579	16.862	14.361	17.474	19.362	18.480
152	22.888	17.189	19.664	16.227	19.198	15.471	13.790	16.321	18.574	17.456
153	21.358	15.978	18.239	15.343	17.816	14.100	13.200	15.037	17.785	16.517
154	19.600	14.670	16.903	14.502	16.435	12.724	12.639	13.831	16.997	15.542
155	17.875	13.247	15.500	13.566	15.105	11.423	12.066	12.723	16.223	14.558
156	16.491	11.910	14.110	12.607	13.746	10.214	11.489	11.751	15.387	13.641
157	15.066	10.655	12.517	11.606	12.422	9.256	10.781	10.861	14.565	12.793
158	13.283	9.389	11.084	10.545	11.067	8.453	10.011	9.992	13.726	11.975
159	11.233	8.157	9.594	9.235	9.699	7.698	9.198	8.881	12.810	11.114
160	8.323	6.924	7.272	7.924	8.458	7.043	8.379	7.251	11.797	10.259
161	5.412	4.935	4.951	6.421	7.367	6.359	7.465	5.035	10.685	9.465
162	2.523	2.372	2.174	3.681	6.385	5.721	6.543	2.902	9.681	8.581
163	1.029	0.494	0.683	1.553	5.180	5.065	5.520	1.598	8.648	7.696
164	0.289	0.255	0.264	0.337	3.906	4.193	4.607	1.338	7.418	6.728
165	0.132	0.128	0.158	0.188	2.115	2.448	3.616	0.878	5.586	5.637
166	0.120	0.011	0.059	0.096	0.523	0.791	2.109	0.447	3.786	4.112
167	0.173	0.002	0.011	0.023	0.156	0.172	0.707	0.191	2.105	2.436
168	0.033	0.000	0.008	0.007	0.077	0.087	0.121	0.081	0.872	0.978
169	0.024	0.000	0.003	0.019	0.029	0.031	0.057	0.055	0.155	0.166
170	0.011	0.000	0.001	0.018	0.000	0.000	0.026	0.034	0.094	0.139
171	0.002	0.000	0.001	0.001	0.000	0.000	0.000	0.013	0.052	0.077
172	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.020	0.031
173	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.008	0.016
174	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.007	0.016
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.005
176	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
177	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
178	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
179	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles						
	225.0	247.5	270.0	292.5	315.0	337.5	360.0
0	5.423	5.423	5.423	5.423	5.423	5.423	5.423
1	4.792	4.917	4.615	5.157	5.800	6.416	6.861
2	4.116	4.403	4.396	5.168	6.295	7.452	8.220
3	3.595	4.077	4.063	4.636	6.038	8.059	9.907
4	3.199	3.595	3.772	4.310	5.551	8.124	10.773
5	2.940	3.432	3.927	4.485	5.961	8.554	11.124
6	3.013	3.615	4.228	4.763	6.511	9.266	11.348
7	3.129	3.918	4.844	5.181	7.204	9.897	11.617
8	3.280	4.218	5.565	5.657	8.001	10.673	12.105
9	3.352	4.636	6.531	6.341	8.527	11.384	12.702
10	3.271	5.276	7.774	7.173	9.067	12.187	13.390
11	3.187	5.882	8.974	8.029	9.707	13.153	13.991
12	3.254	5.916	9.973	9.021	10.316	14.131	14.549
13	3.618	5.726	10.517	9.847	10.909	15.208	15.111
14	4.038	5.685	10.885	10.791	11.372	16.283	15.496
15	4.469	5.692	11.161	11.704	11.976	17.256	15.910
16	5.112	5.760	11.513	12.722	12.637	18.294	16.460
17	6.045	6.015	11.896	13.824	13.375	19.335	17.088
18	6.743	6.280	12.352	14.926	14.124	20.375	17.702
19	7.381	6.639	12.771	16.040	14.841	21.379	18.466
20	8.031	7.008	13.303	17.111	15.467	22.358	19.229
21	8.656	7.422	13.786	17.953	16.301	23.404	19.995
22	9.281	7.902	14.347	18.795	17.080	24.396	20.926
23	9.906	8.409	15.003	19.637	17.686	25.306	21.796
24	10.503	8.896	15.750	20.444	18.408	26.346	22.634
25	11.190	9.382	16.603	21.228	19.130	27.367	23.560
26	11.924	9.869	17.469	22.102	19.852	28.365	24.508
27	12.636	10.378	18.265	22.941	20.627	29.375	25.390
28	13.426	10.865	19.060	23.758	21.444	30.434	26.279
29	14.184	11.311	19.855	24.539	22.167	31.327	27.203
30	14.935	11.834	20.685	25.238	23.086	32.238	28.129
31	15.705	12.288	21.574	25.959	23.834	33.226	29.069
32	16.482	12.760	22.456	26.660	24.617	34.290	29.967
33	17.183	13.261	23.343	27.357	25.409	35.324	30.868
34	17.907	13.737	24.141	28.035	26.210	36.307	31.842
35	18.522	14.199	25.018	28.705	26.951	37.317	32.794
36	19.255	14.743	25.873	29.428	27.731	38.330	33.806
37	19.915	15.256	26.737	30.088	28.529	39.315	34.770
38	20.630	15.794	27.568	30.632	29.227	40.308	35.717
39	21.297	16.306	28.461	31.259	29.996	41.281	36.683
40	22.010	16.843	29.330	31.866	30.763	42.271	37.625
41	22.693	17.336	30.219	32.415	31.561	43.257	38.541
42	23.404	17.889	31.074	33.003	32.366	44.278	39.475
43	24.071	18.380	31.939	33.583	33.204	45.241	40.386
44	24.730	18.873	32.754	34.167	34.033	46.216	41.269
45	25.362	19.391	33.586	34.743	34.883	47.249	42.108
46	25.976	19.894	34.407	35.333	35.630	48.208	42.927
47	26.620	20.360	35.202	35.780	36.387	49.208	43.754
48	27.261	20.839	36.024	36.413	37.103	50.064	44.611
49	27.843	21.301	36.790	37.001	37.809	50.865	45.393
50	28.431	21.733	37.540	37.611	38.440	51.592	46.223
51	29.024	22.186	38.377	38.122	39.078	52.246	47.025
52	29.623	22.679	39.149	38.634	39.725	52.881	47.759
53	30.230	23.162	39.942	39.116	40.288	53.465	48.475
54	30.801	23.669	40.737	39.571	40.833	54.039	49.237
55	31.346	24.150	41.528	40.052	41.386	54.608	49.828
56	31.861	24.626	42.242	40.478	41.930	55.103	50.433
57	32.421	25.086	43.007	40.864	42.491	55.533	51.037

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CANDELA TABULATION - (Cont.)

58	32.914	25.478	43.746	41.235	43.028	55.952	51.684
59	33.439	25.876	44.433	41.592	43.530	56.322	52.235
60	33.911	26.296	45.064	41.995	43.977	56.657	52.774
61	34.398	26.711	45.708	42.316	44.418	56.925	53.350
62	34.874	27.114	46.299	42.688	44.850	57.209	53.833
63	35.344	27.493	46.875	43.038	45.254	57.470	54.386
64	35.801	27.900	47.444	43.322	45.647	57.753	54.919
65	36.262	28.363	47.993	43.629	46.000	58.003	55.391
66	36.648	28.795	48.567	43.948	46.270	58.167	55.889
67	37.103	29.223	49.083	44.227	46.525	58.297	56.452
68	37.505	29.623	49.633	44.532	46.801	58.301	56.941
69	37.970	30.008	50.255	44.811	47.061	58.372	57.420
70	38.359	30.410	50.642	45.110	47.320	58.376	57.820
71	38.720	30.781	51.186	45.377	47.555	58.350	58.189
72	39.082	31.165	51.654	45.583	47.747	58.293	58.578
73	39.438	31.483	52.063	45.772	47.867	58.251	58.931
74	39.758	31.806	52.487	46.012	47.999	58.251	59.190
75	40.063	32.163	52.836	46.204	48.139	58.208	59.449
76	40.383	32.466	53.227	46.353	48.270	58.168	59.694
77	40.687	32.787	53.551	46.548	48.333	58.103	59.933
78	41.031	33.098	53.788	46.702	48.436	58.090	60.081
79	41.325	33.370	54.107	46.830	48.556	58.105	60.219
80	41.568	33.647	54.347	46.977	48.612	58.050	60.356
81	41.810	33.916	54.604	47.042	48.667	57.936	60.463
82	42.061	34.112	54.846	47.094	48.709	57.834	60.522
83	42.264	34.348	55.043	47.099	48.772	57.725	60.595
84	42.450	34.577	55.262	47.102	48.753	57.578	60.629
85	42.601	34.767	55.435	47.102	48.750	57.465	60.625
86	42.783	34.956	55.570	47.063	48.750	57.331	60.638
87	42.921	35.150	55.681	47.013	48.700	57.093	60.648
88	43.059	35.321	55.780	46.953	48.614	56.853	60.571
89	43.224	35.463	55.817	46.911	48.515	56.583	60.417
90	43.266	35.533	55.932	46.859	48.421	56.263	60.284
91	43.381	35.588	55.995	46.738	48.327	55.933	60.219
92	43.517	35.611	55.998	46.616	48.194	55.638	60.107
93	43.653	35.598	56.021	46.522	47.991	55.288	60.059
94	43.728	35.621	56.005	46.370	47.814	55.011	60.005
95	43.815	35.611	55.953	46.164	47.659	54.776	59.873
96	43.839	35.545	55.890	45.952	47.568	54.487	59.707
97	43.902	35.478	55.790	45.698	47.474	54.213	59.649
98	43.938	35.395	55.641	45.452	47.371	53.956	59.522
99	43.905	35.312	55.502	45.191	47.248	53.629	59.318
100	43.847	35.182	55.311	44.939	47.125	53.295	59.166
101	43.793	35.071	55.124	44.658	47.028	52.903	59.004
102	43.751	34.939	54.925	44.396	46.913	52.565	58.742
103	43.659	34.787	54.667	44.139	46.779	52.193	58.461
104	43.576	34.621	54.428	43.883	46.640	51.755	58.173
105	43.454	34.462	54.121	43.562	46.463	51.360	57.862
106	43.338	34.275	53.849	43.247	46.257	50.913	57.523
107	43.233	34.083	53.547	42.939	46.027	50.448	57.101
108	43.078	33.883	53.211	42.606	45.788	50.054	56.696
109	42.928	33.654	52.839	42.294	45.542	49.615	56.288
110	42.722	33.413	52.429	41.955	45.280	49.144	55.831
111	42.505	33.155	52.018	41.582	44.980	48.630	55.356
112	42.273	32.910	51.608	41.189	44.661	48.181	54.894
113	42.008	32.642	51.117	40.808	44.312	47.664	54.381
114	41.733	32.356	50.616	40.416	43.974	47.067	53.855
115	41.449	32.060	50.140	39.985	43.634	46.519	53.265
116	41.069	31.764	49.633	39.506	43.256	45.924	52.681
117	40.812	31.460	49.105	39.066	42.909	45.350	52.098
118	40.478	31.129	48.520	38.618	42.499	44.766	51.498

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CANDELA TABULATION - (Cont.)

119	40.098	30.800	47.960	38.146	42.089	44.104	50.844
120	39.812	30.485	47.320	37.672	41.737	43.480	50.230
121	39.394	30.101	46.701	37.173	41.283	42.865	49.555
122	38.981	29.772	46.046	36.681	40.849	42.154	48.939
123	38.541	29.399	45.320	36.154	40.361	41.460	48.248
124	38.104	28.999	44.646	35.612	39.873	40.754	47.520
125	37.629	28.570	43.972	35.084	39.340	40.064	46.796
126	37.160	28.180	43.316	34.540	38.762	39.337	45.998
127	36.672	27.754	42.593	33.915	38.230	38.566	45.184
128	36.138	27.309	41.929	33.310	37.590	37.800	44.416
129	35.622	26.849	41.149	32.713	37.003	36.958	43.652
130	35.092	26.405	40.346	32.094	36.314	36.196	42.960
131	34.525	25.892	39.477	31.515	35.678	35.452	42.276
132	33.960	25.409	38.663	30.946	35.001	34.801	41.605
133	33.345	24.898	37.813	30.424	34.386	34.051	40.963
134	32.761	24.382	37.000	29.909	33.778	33.303	40.251
135	32.181	23.826	36.145	29.410	33.196	32.557	39.545
136	31.653	23.270	35.248	28.873	32.659	31.786	38.830
137	31.055	22.681	34.368	28.359	32.139	31.057	38.233
138	30.421	22.034	33.464	27.844	31.549	30.352	37.564
139	29.811	21.400	32.503	27.295	31.000	29.594	36.938
140	29.188	20.781	31.493	26.675	30.474	28.856	36.239
141	28.554	20.104	30.476	26.077	29.882	28.010	35.442
142	27.937	19.414	29.374	25.432	29.250	27.191	34.494
143	27.356	18.802	28.337	24.821	28.577	26.326	33.604
144	26.850	18.189	27.305	24.252	28.026	25.427	32.787
145	26.325	17.577	26.307	23.689	27.506	24.481	31.793
146	25.746	17.020	25.306	23.117	26.909	23.543	30.743
147	25.120	16.504	24.323	22.460	26.351	22.611	29.614
148	24.465	15.989	23.378	21.708	25.710	21.698	28.346
149	23.761	15.500	22.325	20.960	24.960	20.855	27.072
150	23.030	15.022	21.329	20.178	24.159	19.983	25.762
151	22.247	14.608	20.326	19.348	23.237	19.172	24.314
152	21.446	14.192	19.292	18.497	22.124	18.407	22.888
153	20.603	13.786	18.263	17.723	21.115	17.664	21.358
154	19.692	13.359	17.220	16.875	20.122	16.924	19.600
155	18.785	12.999	16.260	15.977	18.944	16.305	17.875
156	17.878	12.669	15.276	15.036	17.586	15.475	16.491
157	16.971	12.303	14.292	14.202	16.375	14.535	15.066
158	15.979	11.908	13.295	13.364	15.158	13.732	13.283
159	14.975	11.511	12.237	12.472	13.839	12.724	11.233
160	13.964	11.051	11.280	11.615	12.173	9.905	8.323
161	12.904	10.501	10.190	9.960	8.663	7.180	5.412
162	11.832	9.901	8.233	7.655	5.923	4.456	2.523
163	10.682	9.222	6.266	5.351	3.184	1.731	1.029
164	9.429	8.366	4.299	3.049	1.213	0.654	0.289
165	7.488	6.265	2.472	1.027	0.517	0.193	0.132
166	4.768	4.330	0.855	0.161	0.631	0.064	0.120
167	2.664	2.383	0.135	0.076	0.544	0.020	0.173
168	1.097	1.000	0.066	0.020	0.051	0.022	0.033
169	0.169	0.162	0.020	0.001	0.031	0.014	0.024
170	0.100	0.076	0.002	0.000	0.014	0.001	0.011
171	0.062	0.033	0.001	0.000	0.001	0.001	0.002
172	0.022	0.004	0.000	0.000	0.001	0.001	0.001
173	0.012	0.000	0.002	0.000	0.000	0.000	0.000
174	0.010	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000
176	0.000	0.000	0.000	0.000	0.003	0.000	0.000
177	0.000	0.000	0.000	0.000	0.000	0.000	0.003
178	0.000	0.000	0.000	0.000	0.000	0.002	0.001
179	0.001	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

180	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BTR66.181.20.0019.03 DSB1140FIL-CL27.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4.18	0.90	0.90
0-30	13.08	2.80	2.80
0-40	29.81	6.40	6.40
0-60	91.70	19.60	19.60
0-80	186.16	39.70	39.70
0-90	239.52	51.10	51.10
10-90	238.85	51.00	51.00
20-40	25.63	5.50	5.50
20-50	51.76	11.10	11.10
40-70	106.03	22.60	22.60
60-80	94.46	20.20	20.20
70-80	50.32	10.70	10.70
80-90	53.37	11.40	11.40
90-110	102.57	21.90	21.90
90-120	145.75	31.10	31.10
90-130	180.29	38.50	38.50
90-150	220.67	47.10	47.10
90-180	228.85	48.90	48.90
110-180	126.28	27.00	27.00
0-180	468.37	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.68
10-20	3.50
20-30	8.91
30-40	16.72
40-50	26.14
50-60	35.76
60-70	44.14
70-80	50.32
80-90	53.37
90-100	53.00
100-110	49.57
110-120	43.17
120-130	34.55
130-140	24.89
140-150	15.49
150-160	7.13
160-170	1.06
170-180	0.00

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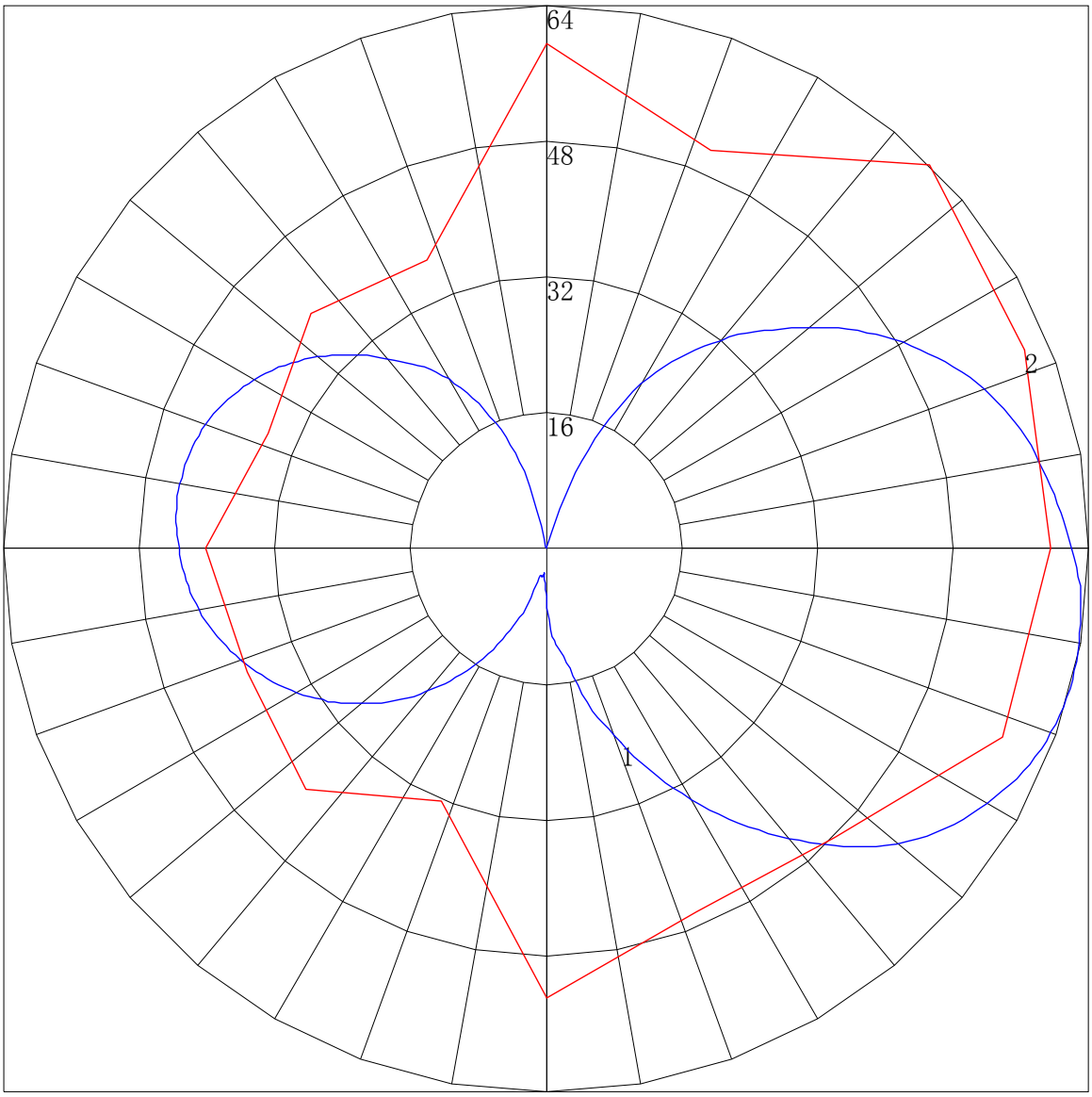
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	92	85	79	74	84	78	73	68	65	61	57	53	49	46	41	39	37	31
2	82	71	63	56	74	65	58	51	54	48	42	43	38	34	33	30	26	21
3	73	61	51	44	66	55	47	40	45	39	33	36	31	26	27	23	20	16
4	66	53	43	35	60	48	39	32	39	32	27	31	26	21	23	19	16	12
5	60	46	36	29	54	42	33	27	34	27	22	27	22	17	20	16	13	9
6	55	41	31	24	50	37	29	22	30	23	18	24	19	14	18	14	10	7
7	50	36	27	21	46	33	25	19	27	20	16	22	16	12	16	12	9	6
8	47	33	24	18	42	30	22	16	25	18	13	19	14	10	15	11	8	5
9	43	30	21	16	39	27	19	14	22	16	12	18	13	9	13	9	7	4
10	40	27	19	14	37	25	17	12	20	14	10	16	11	8	12	9	6	4

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BTR66.181.20.0019.03 DSB1140FIL-CL27.IES

POLAR GRAPH



Maximum Candela = 63.937 Located At Horizontal Angle = 45, Vertical Angle = 75
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (75) (Through Max. Cd.)