

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BTR66.181.19.0044.15 LOC-4UTRP-9WMCCT(27/30/35/40/50)D-C90.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] BTR66.181.19.0044.15
 [TESTLAB] BEST TEST SERVICE SHENZHEN CO.,LTD
 [TESTDATE] 2021-02-05
 [ISSUEDATE] 2021-02-05 17:23:31
 [NEARFIELD]
 [LAMPPOSITION] 0,0
 [OTHER] AC120V/60HZ
 [MANUFAC] LED One Corporation
 [LUMCAT] LOC-4UTRP-9WMCCT(27/30/35/40/50)D-C90
 [LUMINAIRE] AC120V/60HZ 9W 2700K
 [OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
[OTHER]	0- 10	22.96	22.96	3.31	3.31
[OTHER]	10- 20	65.71	88.67	12.77	12.77
[OTHER]	20- 30	99.44	188.11	27.09	27.09
[OTHER]	30- 40	119.71	307.82	44.32	44.32
[OTHER]	40- 50	124.01	431.83	62.18	62.18
[OTHER]	50- 60	111.99	543.82	78.31	78.31
[OTHER]	60- 70	85.75	629.57	90.65	90.65
[OTHER]	70- 80	50.39	679.96	97.91	97.91
[OTHER]	80- 90	14.45	694.41	99.99	99.99
[OTHER]	90-100	0.02	694.42	99.99	99.99
[OTHER]	100-110	0.00	694.43	99.99	99.99
[OTHER]	110-120	0.00	694.43	99.99	99.99
[OTHER]	120-130	0.00	694.44	100.00	100.00
[OTHER]	130-140	0.01	694.45	100.00	100.00
[OTHER]	140-150	0.01	694.46	100.00	100.00
[OTHER]	150-160	0.01	694.46	100.00	100.00
[OTHER]	160-170	0.00	694.47	100.00	100.00
[OTHER]	170-180	0.00	694.47	100.00	100.00
[OTHER]					

CHARACTERISTICS

Lumens Per Lamp	694.47 (1 lamp)
Total Lamp Lumens	694.47
Luminaire Lumens	694
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	8.936
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.08 m (Diameter)
Luminous Width (90-270)	0.08 m (Diameter)
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	45056	45641	46735
55	43254	44073	45539
65	40491	41680	43709
75	36243	38035	41074
85	29153	32176	39475

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	242.740	242.740	242.740	242.740	242.740	242.740	242.740	242.740	242.740	242.740
1	242.650	242.770	242.770	242.710	242.740	242.680	242.800	242.850	242.620	242.670
2	242.500	242.620	242.620	242.710	242.830	242.770	242.770	242.770	242.470	242.530
3	242.310	242.400	242.430	242.400	242.730	242.700	242.560	242.490	242.320	242.280
4	241.930	242.050	242.230	242.200	242.550	242.470	242.410	242.260	242.050	241.900
5	241.500	241.770	241.830	241.830	242.370	242.140	241.990	241.900	241.600	241.560
6	241.060	241.360	241.420	241.240	241.970	241.840	241.510	241.420	241.090	240.970
7	240.440	240.730	240.880	240.790	241.550	241.270	241.120	240.870	240.540	240.390
8	239.730	240.140	240.240	240.240	240.960	240.820	240.550	240.220	239.830	239.710
9	239.070	239.340	239.520	239.430	240.420	240.180	239.800	239.490	239.110	238.960
10	238.300	238.450	238.690	238.660	239.670	239.320	239.090	238.750	238.220	238.130
11	237.310	237.510	237.720	237.780	238.960	238.530	238.140	237.840	237.360	237.130
12	236.330	236.630	236.800	236.810	238.070	237.610	237.200	236.810	236.300	236.130
13	235.220	235.550	235.800	235.770	237.090	236.690	236.210	235.770	235.190	235.050
14	234.080	234.290	234.590	234.600	236.060	235.630	235.070	234.620	234.020	233.790
15	232.680	233.130	233.400	233.370	234.920	234.390	233.860	233.290	232.750	232.490
16	231.250	231.860	232.060	232.150	233.630	233.150	232.560	232.050	231.420	231.130
17	229.840	230.320	230.700	230.740	232.410	231.830	231.270	230.670	230.040	229.680
18	228.450	228.870	229.220	229.200	231.110	230.470	229.810	229.160	228.490	228.120
19	226.770	227.370	227.720	227.800	229.610	228.950	228.210	227.490	226.950	226.540
20	225.040	225.620	226.000	226.180	228.060	227.470	226.580	225.910	225.140	224.880
21	223.320	223.920	224.360	224.310	226.430	225.760	224.870	224.160	223.430	223.090
22	221.480	222.130	222.620	222.610	224.760	223.990	223.110	222.390	221.640	221.330
23	219.480	220.220	220.620	220.810	223.010	222.180	221.230	220.510	219.550	219.330
24	217.540	218.230	218.720	218.820	221.060	220.320	219.320	218.480	217.670	217.270
25	215.530	216.210	216.730	216.870	219.220	218.280	217.250	216.410	215.610	215.300
26	213.230	213.960	214.670	214.870	217.250	216.210	215.170	214.310	213.470	213.070
27	211.170	211.930	212.450	212.610	215.020	214.190	213.060	212.140	211.240	210.790
28	208.790	209.640	210.260	210.330	212.940	211.980	210.870	209.870	208.950	208.590
29	206.360	207.290	207.980	208.090	210.710	209.730	208.490	207.410	206.600	206.180
30	204.010	204.910	205.550	205.800	208.370	207.350	206.180	205.090	204.260	203.780
31	201.470	202.470	203.050	203.270	206.070	205.000	203.680	202.570	201.710	201.280
32	198.900	199.860	200.560	200.730	203.600	202.550	201.140	200.040	199.090	198.670
33	196.280	197.290	198.070	198.250	201.140	199.950	198.660	197.490	196.590	196.000
34	193.560	194.650	195.310	195.600	198.700	197.450	196.070	194.820	193.830	193.480
35	190.860	191.940	192.710	192.860	196.040	194.900	193.340	192.210	190.970	190.610
36	188.080	189.130	189.950	190.030	193.340	192.160	190.480	189.310	188.110	187.740
37	185.220	186.300	187.070	187.310	190.470	189.250	187.620	186.400	185.250	184.880
38	182.250	183.370	184.110	184.380	187.590	186.340	184.760	183.490	182.290	181.990
39	179.260	180.360	181.220	181.460	184.720	183.430	181.830	180.530	179.340	178.970
40	176.190	177.300	178.220	178.490	181.910	180.540	178.910	177.540	176.290	175.910
41	173.180	174.290	175.130	175.420	178.800	177.450	175.790	174.360	173.190	172.800
42	169.980	171.190	172.040	172.260	175.730	174.410	172.700	171.250	170.120	169.680
43	166.760	167.950	168.860	169.140	172.720	171.210	169.540	167.990	166.820	166.440
44	163.520	164.690	165.640	165.870	169.440	168.070	166.350	164.730	163.520	163.130
45	160.210	161.460	162.290	162.560	166.180	164.830	163.010	161.390	160.210	159.790
46	156.880	158.130	158.990	159.260	162.930	161.510	159.740	158.160	156.900	156.450
47	153.520	154.780	155.680	155.840	159.630	158.180	156.330	154.720	153.460	152.920
48	150.060	151.280	152.180	152.430	156.330	154.740	152.930	151.290	150.050	149.510
49	146.490	147.840	148.710	149.030	152.810	151.350	149.410	147.780	146.480	146.020
50	142.990	144.330	145.260	145.370	149.360	147.850	145.900	144.240	142.940	142.440
51	139.490	140.740	141.720	141.920	145.880	144.330	142.420	140.660	139.380	138.920
52	135.810	137.140	138.070	138.350	142.260	140.740	138.790	137.070	135.740	135.260
53	132.140	133.440	134.380	134.650	138.650	137.130	135.120	133.400	132.110	131.590
54	128.510	129.790	130.770	131.040	135.090	133.420	131.440	129.730	128.410	127.930
55	124.760	126.110	127.120	127.330	131.350	129.730	127.780	125.990	124.650	124.160
56	120.980	122.380	123.350	123.650	127.660	126.020	124.010	122.200	120.860	120.400
57	117.250	118.600	119.600	119.800	123.960	122.310	120.280	118.460	117.100	116.600
58	113.380	114.810	115.780	115.990	120.130	118.470	116.380	114.550	113.260	112.760

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CANDELA TABULATION - (Cont.)

59	109.580	110.960	111.960	112.170	116.360	114.670	112.580	110.750	109.440	108.920
60	105.670	107.130	108.100	108.320	112.400	110.750	108.680	106.830	105.550	105.030
61	101.840	103.180	104.250	104.450	108.600	106.920	104.830	102.970	101.630	101.140
62	97.918	99.333	100.350	100.560	104.680	102.990	100.880	99.031	97.701	97.193
63	94.029	95.518	96.477	96.657	100.810	99.161	96.974	95.074	93.792	93.277
64	90.025	91.546	92.533	92.686	96.833	95.178	92.966	91.142	89.808	89.340
65	86.051	87.542	88.579	88.745	92.890	91.216	89.012	87.171	85.844	85.405
66	82.110	83.277	84.675	84.843	89.020	87.275	85.143	83.202	81.893	81.452
67	78.169	79.478	80.706	80.870	85.020	83.274	81.094	79.237	77.900	77.470
68	74.228	75.682	76.738	76.897	81.033	79.291	77.122	75.252	73.958	73.520
69	70.321	71.787	72.769	72.924	77.056	75.374	73.124	71.281	70.000	69.534
70	66.419	67.839	68.903	69.026	73.121	71.341	69.179	67.355	66.093	65.663
71	62.481	63.936	64.998	65.082	69.111	67.397	65.215	63.343	62.124	61.761
72	58.586	60.027	61.050	61.163	65.187	63.425	61.257	59.420	58.198	57.822
73	54.780	56.186	57.199	57.295	61.261	59.539	57.360	55.501	54.327	53.989
74	50.988	52.397	53.321	53.408	57.343	55.586	53.435	51.614	50.459	50.141
75	47.171	48.553	49.503	49.592	53.458	51.715	49.590	47.783	46.638	46.306
76	43.427	44.760	45.695	45.721	49.609	47.869	45.787	43.999	42.858	42.548
77	39.772	41.094	41.980	42.012	45.814	44.099	41.990	40.235	39.146	38.856
78	36.141	37.408	38.269	38.319	41.996	40.364	38.289	36.543	35.508	35.218
79	32.591	33.818	34.643	34.625	38.339	36.650	34.632	32.922	31.882	31.614
80	29.085	30.299	31.048	31.020	34.684	33.042	31.052	29.368	28.405	28.146
81	25.646	26.802	27.510	27.481	31.060	29.425	27.505	25.889	24.922	24.652
82	22.337	23.422	24.078	24.004	27.523	25.953	24.074	22.491	21.636	21.368
83	19.045	20.082	20.668	20.573	24.021	22.543	20.784	19.269	18.351	18.085
84	15.884	16.834	17.365	17.232	20.661	19.239	17.496	16.049	15.067	14.802
85	12.777	13.650	14.102	13.951	17.301	15.935	14.207	12.829	11.969	11.698
86	9.794	10.554	11.010	10.778	13.944	12.632	11.124	9.821	9.008	8.694
87	7.062	7.744	8.088	7.839	10.771	9.552	8.145	6.956	6.212	5.832
88	4.329	4.937	5.166	4.904	7.661	6.554	5.336	4.292	3.560	3.131
89	1.609	2.143	2.256	1.984	4.713	3.784	2.711	1.860	1.161	0.702
90	0.039	0.111	0.148	0.091	2.011	1.229	0.445	0.067	0.003	0.002
91	0.009	0.004	0.003	0.002	0.099	0.009	0.005	0.002	0.002	0.002
92	0.010	0.007	0.002	0.000	0.000	0.000	0.002	0.000	0.001	0.002
93	0.009	0.006	0.001	0.001	0.000	0.000	0.000	0.000	0.001	0.003
94	0.009	0.008	0.002	0.001	0.001	0.000	0.002	0.000	0.002	0.002
95	0.009	0.003	0.002	0.002	0.000	0.000	0.001	0.000	0.002	0.003
96	0.009	0.007	0.001	0.001	0.000	0.000	0.000	0.000	0.002	0.003
97	0.008	0.007	0.002	0.000	0.000	0.000	0.000	0.000	0.003	0.005
98	0.011	0.008	0.003	0.001	0.000	0.000	0.000	0.000	0.002	0.005
99	0.002	0.007	0.002	0.000	0.000	0.000	0.000	0.001	0.003	0.004
100	0.013	0.006	0.004	0.000	0.001	0.001	0.002	0.001	0.002	0.005
101	0.013	0.008	0.005	0.002	0.000	0.001	0.000	0.000	0.002	0.005
102	0.011	0.006	0.001	0.000	0.000	0.000	0.001	0.000	0.002	0.003
103	0.012	0.012	0.004	0.000	0.001	0.000	0.000	0.000	0.002	0.002
104	0.013	0.008	0.004	0.001	0.001	0.000	0.000	0.000	0.003	0.001
105	0.015	0.011	0.005	0.000	0.002	0.000	0.000	0.000	0.003	0.000
106	0.018	0.009	0.001	0.002	0.002	0.000	0.000	0.001	0.002	0.001
107	0.023	0.008	0.002	0.009	0.001	0.001	0.000	0.003	0.002	0.001
108	0.035	0.013	0.043	0.000	0.001	0.001	0.000	0.000	0.001	0.001
109	0.017	0.005	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.001
110	0.012	0.014	0.007	0.000	0.001	0.000	0.000	0.000	0.001	0.001
111	0.012	0.017	0.003	0.000	0.003	0.001	0.000	0.001	0.001	0.001
112	0.050	0.009	0.007	0.003	0.002	0.000	0.000	0.000	0.001	0.001
113	0.016	0.011	0.000	0.001	0.001	0.001	0.000	0.000	0.002	0.001
114	0.016	0.011	0.000	0.001	0.002	0.000	0.000	0.001	0.002	0.001
115	0.016	0.011	0.003	0.001	0.002	0.000	0.000	0.000	0.002	0.001
116	0.005	0.012	0.006	0.000	0.003	0.000	0.000	0.001	0.002	0.002
117	0.024	0.012	0.006	0.000	0.002	0.001	0.000	0.000	0.002	0.002
118	0.006	0.012	0.008	0.000	0.002	0.000	0.000	0.001	0.002	0.001
119	0.013	0.011	0.008	0.000	0.002	0.000	0.000	0.002	0.002	0.001

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CANDELA TABULATION - (Cont.)

120	0.024	0.010	0.004	0.001	0.005	0.000	0.000	0.001	0.002	0.001
121	0.019	0.003	0.019	0.004	0.002	0.000	0.000	0.001	0.002	0.001
122	0.014	0.013	0.004	0.000	0.002	0.000	0.000	0.004	0.002	0.000
123	0.020	0.010	0.010	0.001	0.002	0.000	0.000	0.001	0.002	0.002
124	0.020	0.013	0.010	0.000	0.003	0.000	0.000	0.002	0.001	0.001
125	0.016	0.023	0.011	0.003	0.003	0.001	0.000	0.000	0.002	0.001
126	0.013	0.020	0.012	0.004	0.003	0.001	0.000	0.000	0.000	0.002
127	0.025	0.031	0.010	0.003	0.000	0.000	0.001	0.002	0.000	0.000
128	0.023	0.017	0.003	0.005	0.002	0.000	0.000	0.000	0.002	0.000
129	0.035	0.018	0.004	0.000	0.002	0.001	0.000	0.000	0.001	0.001
130	0.050	0.032	0.001	0.007	0.002	0.001	0.000	0.001	0.001	0.001
131	0.084	0.026	0.009	0.000	0.002	0.001	0.000	0.000	0.000	0.000
132	0.098	0.028	0.011	0.005	0.002	0.001	0.000	0.000	0.001	0.003
133	0.120	0.027	0.009	0.001	0.002	0.002	0.000	0.000	0.000	0.002
134	0.130	0.031	0.006	0.000	0.003	0.002	0.000	0.000	0.001	0.001
135	0.151	0.030	0.012	0.005	0.002	0.001	0.000	0.004	0.002	0.000
136	0.139	0.028	0.011	0.002	0.002	0.001	0.000	0.002	0.001	0.000
137	0.152	0.028	0.016	0.006	0.001	0.001	0.000	0.000	0.001	0.001
138	0.132	0.025	0.006	0.002	0.003	0.001	0.001	0.000	0.007	0.001
139	0.128	0.018	0.009	0.002	0.001	0.001	0.001	0.001	0.001	0.001
140	0.122	0.028	0.005	0.002	0.004	0.002	0.000	0.000	0.001	0.001
141	0.119	0.028	0.011	0.002	0.000	0.002	0.001	0.000	0.001	0.001
142	0.111	0.025	0.006	0.001	0.002	0.002	0.000	0.000	0.000	0.002
143	0.099	0.028	0.009	0.001	0.002	0.001	0.000	0.000	0.001	0.000
144	0.093	0.025	0.008	0.001	0.002	0.004	0.000	0.008	0.001	0.000
145	0.092	0.025	0.016	0.000	0.002	0.002	0.001	0.001	0.002	0.000
146	0.090	0.018	0.012	0.000	0.002	0.003	0.001	0.000	0.002	0.003
147	0.083	0.023	0.013	0.000	0.002	0.001	0.000	0.001	0.002	0.003
148	0.083	0.024	0.009	0.000	0.003	0.001	0.000	0.001	0.001	0.002
149	0.078	0.021	0.008	0.000	0.003	0.001	0.000	0.002	0.001	0.001
150	0.078	0.021	0.007	0.000	0.002	0.001	0.001	0.002	0.001	0.000
151	0.082	0.018	0.008	0.000	0.002	0.000	0.001	0.000	0.000	0.001
152	0.073	0.018	0.008	0.000	0.002	0.005	0.002	0.002	0.000	0.002
153	0.069	0.019	0.024	0.001	0.002	0.001	0.002	0.001	0.001	0.001
154	0.070	0.019	0.000	0.000	0.001	0.000	0.000	0.000	0.002	0.003
155	0.067	0.021	0.001	0.003	0.000	0.002	0.000	0.014	0.000	0.002
156	0.067	0.019	0.011	0.004	0.000	0.004	0.000	0.001	0.002	0.000
157	0.060	0.018	0.000	0.002	0.000	0.000	0.007	0.002	0.002	0.002
158	0.062	0.022	0.023	0.002	0.001	0.000	0.001	0.000	0.002	0.005
159	0.061	0.021	0.009	0.000	0.001	0.000	0.000	0.002	0.000	0.000
160	0.060	0.024	0.012	0.004	0.002	0.000	0.000	0.001	0.002	0.001
161	0.057	0.025	0.008	0.002	0.002	0.000	0.000	0.000	0.002	0.002
162	0.052	0.025	0.008	0.000	0.002	0.000	0.001	0.001	0.001	0.000
163	0.054	0.027	0.013	0.000	0.002	0.002	0.001	0.001	0.002	0.000
164	0.051	0.028	0.011	0.000	0.003	0.002	0.002	0.002	0.001	0.001
165	0.051	0.028	0.010	0.000	0.002	0.002	0.002	0.002	0.001	0.001
166	0.049	0.028	0.010	0.003	0.002	0.002	0.002	0.001	0.001	0.001
167	0.049	0.028	0.015	0.000	0.003	0.002	0.002	0.002	0.001	0.002
168	0.045	0.030	0.013	0.000	0.004	0.002	0.002	0.003	0.001	0.002
169	0.041	0.029	0.013	0.000	0.003	0.003	0.002	0.003	0.001	0.002
170	0.041	0.029	0.014	0.002	0.003	0.003	0.002	0.001	0.001	0.002
171	0.042	0.030	0.014	0.016	0.003	0.003	0.002	0.002	0.000	0.002
172	0.035	0.027	0.016	0.005	0.002	0.002	0.002	0.003	0.000	0.002
173	0.032	0.024	0.017	0.009	0.000	0.000	0.002	0.007	0.000	0.002
174	0.030	0.021	0.015	0.011	0.000	0.000	0.000	0.002	0.000	0.003
175	0.019	0.018	0.008	0.003	0.000	0.000	0.000	0.000	0.001	0.002
176	0.022	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
177	0.001	0.002	0.000	0.000	0.000	0.000	0.003	0.001	0.001	0.001
178	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000
179	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BTR66.181.19.0044.15 LOC-4UTRP-9WMCCT(27/30/35/40/50)D-C90.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles						
	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	242.740	242.740	242.740	242.740	242.740	242.740	242.740
1	242.640	242.680	242.530	242.620	242.620	242.800	242.650
2	242.500	242.560	242.200	242.320	242.470	242.610	242.500
3	242.280	242.170	241.960	241.860	242.100	242.340	242.310
4	241.960	241.930	241.520	241.570	241.780	242.020	241.930
5	241.510	241.480	240.880	241.110	241.290	241.590	241.500
6	240.880	241.000	240.350	240.430	240.670	241.000	241.060
7	240.330	240.360	239.680	239.810	240.110	240.430	240.440
8	239.650	239.630	238.790	238.980	239.340	239.730	239.730
9	238.900	238.930	237.930	238.200	238.410	238.880	239.070
10	238.040	238.070	237.020	237.260	237.530	237.940	238.300
11	237.070	237.100	235.870	236.220	236.590	237.030	237.310
12	236.000	236.120	234.810	235.190	235.460	235.970	236.330
13	234.870	234.930	233.540	233.960	234.290	234.830	235.220
14	233.630	233.760	232.360	232.670	233.030	233.560	234.080
15	232.450	232.520	230.990	231.330	231.800	232.190	232.680
16	231.030	231.160	229.580	229.840	230.380	230.890	231.250
17	229.570	229.670	227.940	228.330	228.910	229.380	229.840
18	228.080	228.180	226.380	226.670	227.280	227.840	228.450
19	226.470	226.570	224.720	224.990	225.570	226.250	226.770
20	224.780	224.820	222.870	223.300	223.820	224.460	225.040
21	223.000	223.120	221.080	221.490	222.010	222.650	223.320
22	221.230	221.240	219.130	219.530	220.070	220.730	221.480
23	219.260	219.300	217.130	217.610	218.040	218.760	219.480
24	217.220	217.300	215.100	215.470	215.980	216.760	217.540
25	215.280	215.320	212.990	213.310	213.920	214.780	215.530
26	213.020	213.100	210.680	211.160	211.800	212.510	213.230
27	210.760	211.050	208.390	208.940	209.520	210.320	211.170
28	208.560	208.730	205.990	206.500	207.140	207.970	208.790
29	206.280	206.300	203.690	204.140	204.780	205.500	206.360
30	203.720	203.810	201.200	201.720	202.270	203.080	204.010
31	201.250	201.490	198.560	199.130	199.770	200.580	201.470
32	198.750	198.900	195.960	196.430	197.100	197.920	198.900
33	196.150	196.320	193.220	193.750	194.480	195.290	196.280
34	193.540	193.700	190.480	190.970	191.770	192.700	193.560
35	190.700	190.870	187.790	188.230	188.890	189.860	190.860
36	187.870	188.040	184.870	185.400	186.120	187.030	188.080
37	185.030	185.200	181.900	182.430	183.140	184.190	185.220
38	182.090	182.310	178.860	179.520	180.120	181.140	182.250
39	179.020	179.360	175.860	176.460	177.160	178.180	179.260
40	176.010	176.330	172.720	173.320	174.120	175.040	176.190
41	172.820	173.180	169.570	170.170	170.890	171.980	173.180
42	169.690	170.080	166.350	167.040	167.760	168.860	169.980
43	166.530	166.870	163.100	163.730	164.570	165.590	166.760
44	163.330	163.620	159.770	160.430	161.270	162.280	163.520
45	159.950	160.290	156.500	157.210	157.960	159.030	160.210
46	156.640	156.890	152.980	153.760	154.600	155.580	156.880
47	153.210	153.540	149.600	150.190	151.100	152.160	153.520
48	149.750	150.070	146.160	146.800	147.640	148.760	150.060
49	146.210	146.580	142.590	143.300	144.160	145.320	146.490
50	142.680	143.110	138.930	139.650	140.590	141.700	142.990
51	139.070	139.430	135.420	136.090	136.940	138.100	139.490
52	135.460	135.830	131.710	132.390	133.270	134.510	135.810
53	131.760	132.230	128.010	128.780	129.620	130.840	132.140
54	128.110	128.550	124.370	125.050	125.950	127.110	128.510
55	124.340	124.740	120.500	121.250	122.280	123.430	124.760
56	120.580	121.020	116.790	117.500	118.460	119.660	120.980
57	116.740	117.300	112.930	113.680	114.640	115.810	117.250

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BTR66.181.19.0044.15 LOC-4UTRP-9WMCCT(27/30/35/40/50)D-C90.IES

CANDELA TABULATION - (Cont.)

58	112.980	113.420	109.130	109.870	110.800	111.930	113.380
59	109.180	109.620	105.280	106.030	106.970	108.130	109.580
60	105.230	105.740	101.400	102.130	103.060	104.300	105.670
61	101.390	101.860	97.502	98.227	99.138	100.430	101.840
62	97.395	97.943	93.573	94.365	95.238	96.408	97.918
63	93.524	94.042	89.701	90.424	91.358	92.587	94.029
64	89.626	90.115	85.749	86.509	87.325	88.544	90.025
65	85.592	86.133	81.808	82.558	84.038	84.630	86.051
66	81.714	82.191	77.868	78.607	79.756	80.676	82.110
67	77.714	78.240	73.928	74.657	75.478	76.722	78.169
68	73.805	74.312	69.972	70.717	71.520	72.769	74.228
69	69.870	70.414	66.083	66.786	67.616	68.836	70.321
70	65.948	66.502	62.185	62.900	63.715	64.914	66.419
71	62.021	62.558	58.269	59.003	59.857	61.018	62.481
72	58.115	58.690	54.447	55.161	55.982	57.168	58.586
73	54.274	54.837	50.611	51.322	52.193	53.308	54.780
74	50.437	50.979	46.864	47.592	48.384	49.512	50.988
75	46.625	47.186	43.071	43.813	44.655	45.764	47.171
76	42.904	43.464	39.388	40.093	40.937	42.050	43.427
77	39.170	39.744	35.778	36.488	37.273	38.412	39.772
78	35.517	36.077	32.173	32.891	33.713	34.851	36.141
79	31.956	32.498	28.664	29.389	30.219	31.302	32.591
80	28.444	28.949	25.197	25.929	26.762	27.845	29.085
81	24.943	25.487	21.799	22.525	23.382	24.436	25.646
82	21.620	22.115	18.467	19.256	20.080	21.154	22.337
83	18.300	18.743	15.197	15.976	16.887	17.901	19.045
84	14.982	15.373	12.019	12.823	13.737	14.783	15.884
85	11.794	12.232	8.901	9.731	10.708	11.759	12.777
86	8.723	9.065	5.962	6.887	7.887	8.749	9.794
87	5.780	6.043	3.027	4.043	5.066	6.008	7.062
88	2.974	3.178	0.577	1.207	2.251	3.268	4.329
89	0.548	0.682	0.010	0.019	0.174	0.768	1.609
90	0.002	0.001	0.000	0.001	0.000	0.007	0.039
91	0.002	0.000	0.004	0.000	0.004	0.004	0.009
92	0.003	0.000	0.046	0.000	0.006	0.003	0.010
93	0.003	0.000	0.001	0.000	0.005	0.001	0.009
94	0.003	0.000	0.000	0.000	0.006	0.003	0.009
95	0.003	0.001	0.000	0.007	0.003	0.003	0.009
96	0.005	0.000	0.000	0.000	0.004	0.003	0.009
97	0.006	0.000	0.000	0.000	0.000	0.003	0.008
98	0.006	0.000	0.016	0.004	0.006	0.001	0.011
99	0.006	0.000	0.001	0.000	0.008	0.000	0.002
100	0.001	0.000	0.001	0.004	0.001	0.004	0.013
101	0.000	0.000	0.000	0.000	0.006	0.004	0.013
102	0.001	0.001	0.000	0.000	0.004	0.011	0.011
103	0.002	0.000	0.005	0.000	0.004	0.006	0.012
104	0.000	0.000	0.000	0.000	0.002	0.009	0.013
105	0.000	0.000	0.017	0.013	0.004	0.006	0.015
106	0.000	0.000	0.006	0.000	0.019	0.006	0.018
107	0.003	0.000	0.002	0.020	0.000	0.008	0.023
108	0.000	0.000	0.002	0.000	0.003	0.003	0.035
109	0.000	0.000	0.000	0.002	0.002	0.010	0.017
110	0.002	0.000	0.007	0.001	0.005	0.005	0.012
111	0.000	0.000	0.014	0.006	0.004	0.021	0.012
112	0.001	0.001	0.009	0.002	0.003	0.008	0.050
113	0.002	0.000	0.000	0.000	0.003	0.013	0.016
114	0.001	0.000	0.000	0.000	0.002	0.000	0.016
115	0.004	0.000	0.000	0.001	0.002	0.018	0.016
116	0.001	0.002	0.004	0.000	0.004	0.036	0.005
117	0.003	0.002	0.000	0.001	0.002	0.016	0.024
118	0.001	0.000	0.001	0.000	0.007	0.014	0.006

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BTR66.181.19.0044.15 LOC-4UTRP-9WMCCT(27/30/35/40/50)D-C90.IES

CANDELA TABULATION - (Cont.)

119	0.001	0.001	0.001	0.000	0.009	0.015	0.013
120	0.000	0.000	0.000	0.004	0.001	0.016	0.024
121	0.001	0.000	0.000	0.000	0.020	0.002	0.019
122	0.000	0.000	0.005	0.000	0.006	0.017	0.014
123	0.000	0.000	0.000	0.000	0.000	0.017	0.020
124	0.000	0.000	0.000	0.000	0.000	0.019	0.020
125	0.001	0.000	0.001	0.000	0.005	0.018	0.016
126	0.002	0.002	0.000	0.000	0.001	0.017	0.013
127	0.002	0.000	0.000	0.002	0.003	0.016	0.025
128	0.001	0.000	0.002	0.001	0.009	0.027	0.023
129	0.001	0.000	0.000	0.000	0.009	0.019	0.035
130	0.000	0.001	0.000	0.000	0.011	0.015	0.050
131	0.000	0.000	0.006	0.000	0.008	0.022	0.084
132	0.005	0.001	0.000	0.000	0.016	0.024	0.098
133	0.000	0.002	0.003	0.000	0.015	0.019	0.120
134	0.000	0.000	0.000	0.002	0.014	0.020	0.130
135	0.000	0.000	0.000	0.000	0.014	0.021	0.151
136	0.001	0.000	0.001	0.000	0.013	0.019	0.139
137	0.001	0.000	0.000	0.000	0.012	0.020	0.152
138	0.000	0.000	0.000	0.000	0.018	0.018	0.132
139	0.000	0.000	0.000	0.000	0.015	0.033	0.128
140	0.002	0.000	0.000	0.001	0.017	0.036	0.122
141	0.001	0.000	0.001	0.000	0.019	0.028	0.119
142	0.000	0.002	0.000	0.000	0.021	0.030	0.111
143	0.000	0.000	0.003	0.005	0.028	0.029	0.099
144	0.000	0.000	0.000	0.002	0.010	0.029	0.093
145	0.001	0.000	0.000	0.001	0.017	0.038	0.092
146	0.001	0.000	0.000	0.002	0.020	0.035	0.090
147	0.003	0.000	0.000	0.001	0.018	0.042	0.083
148	0.000	0.000	0.001	0.002	0.020	0.055	0.083
149	0.000	0.000	0.000	0.002	0.020	0.072	0.078
150	0.002	0.001	0.000	0.001	0.022	0.087	0.078
151	0.002	0.000	0.000	0.002	0.022	0.104	0.082
152	0.000	0.001	0.000	0.000	0.022	0.118	0.073
153	0.002	0.000	0.000	0.000	0.025	0.127	0.069
154	0.002	0.002	0.001	0.001	0.036	0.135	0.070
155	0.002	0.002	0.000	0.001	0.055	0.129	0.067
156	0.000	0.000	0.000	0.002	0.073	0.126	0.067
157	0.001	0.000	0.000	0.000	0.085	0.117	0.060
158	0.002	0.000	0.000	0.000	0.113	0.111	0.062
159	0.005	0.000	0.000	0.001	0.128	0.104	0.061
160	0.000	0.000	0.005	0.004	0.129	0.097	0.060
161	0.002	0.000	0.005	0.002	0.128	0.092	0.057
162	0.002	0.000	0.001	0.001	0.124	0.080	0.052
163	0.002	0.000	0.002	0.001	0.116	0.076	0.054
164	0.002	0.000	0.001	0.000	0.103	0.067	0.051
165	0.002	0.000	0.002	0.000	0.089	0.063	0.051
166	0.002	0.000	0.002	0.000	0.072	0.059	0.049
167	0.002	0.000	0.001	0.000	0.056	0.057	0.049
168	0.002	0.000	0.000	0.000	0.045	0.054	0.045
169	0.002	0.001	0.001	0.000	0.038	0.048	0.041
170	0.002	0.001	0.002	0.000	0.036	0.050	0.041
171	0.002	0.002	0.001	0.000	0.029	0.041	0.042
172	0.002	0.002	0.000	0.000	0.030	0.035	0.035
173	0.002	0.002	0.000	0.000	0.026	0.034	0.032
174	0.002	0.000	0.000	0.000	0.002	0.031	0.030
175	0.002	0.000	0.000	0.000	0.002	0.027	0.019
176	0.002	0.000	0.000	0.000	0.000	0.019	0.022
177	0.000	0.000	0.000	0.000	0.000	0.003	0.001
178	0.000	0.000	0.000	0.000	0.000	0.001	0.001
179	0.000	0.000	0.000	0.000	0.002	0.000	0.001

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BTR66.181.19.0044.15 LOC-4UTRP-9WMCCT(27/30/35/40/50)D-C90.IES

CANDELA TABULATION - (Cont.)

180	0.002	0.002	0.002	0.002	0.002	0.002	0.002
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IES INDOOR REPORT**PHOTOMETRIC FILENAME : BTR66.181.19.0044.15 LOC-4UTRP-9WMCCT(27/30/35/40/50)D-C90.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	88.67	12.80	12.80
0-30	188.11	27.10	27.10
0-40	307.82	44.30	44.30
0-60	543.82	78.30	78.30
0-80	679.96	97.90	97.90
0-90	694.41	100.00	100.00
10-90	671.45	96.70	96.70
20-40	219.15	31.60	31.60
20-50	343.16	49.40	49.40
40-70	321.75	46.30	46.30
60-80	136.14	19.60	19.60
70-80	50.39	7.30	7.30
80-90	14.45	2.10	2.10
90-110	0.02	0.00	0.00
90-120	0.03	0.00	0.00
90-130	0.03	0.00	0.00
90-150	0.05	0.00	0.00
90-180	0.06	0.00	0.00
110-180	0.04	0.00	0.00
0-180	694.47	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	22.96
10-20	65.71
20-30	99.44
30-40	119.71
40-50	124.01
50-60	111.99
60-70	85.75
70-80	50.39
80-90	14.45
90-100	0.02
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.01
140-150	0.01
150-160	0.01
160-170	0.00
170-180	0.00

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BTR66.181.19.0044.15 LOC-4UTRP-9WMCCT(27/30/35/40/50)D-C90.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

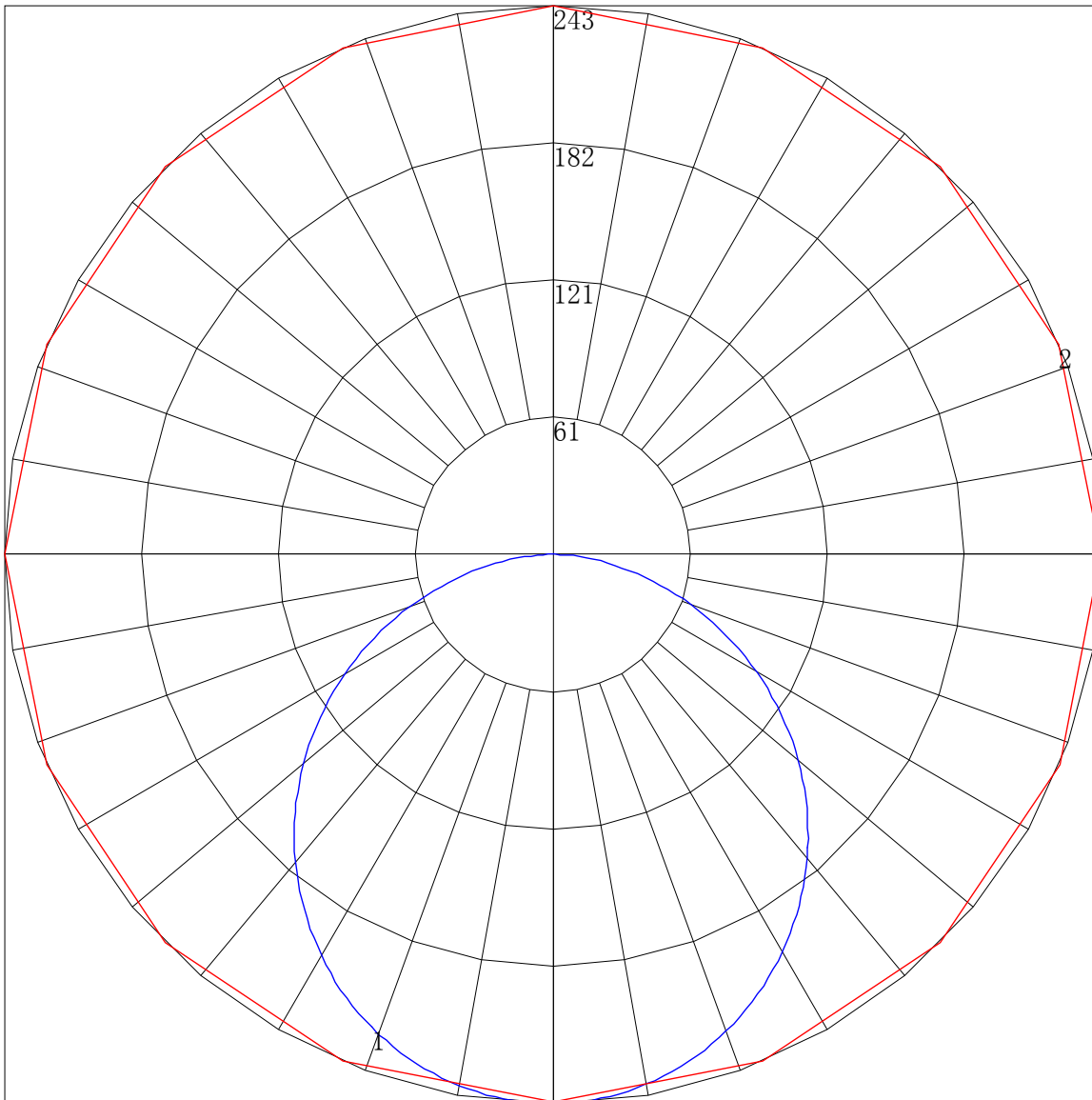
Effective Floor Cavity Reflectance 0.20

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	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83	
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69	
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58	
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50	
5	76	63	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43	
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37	
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33	
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29	
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26	
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24	

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BTR66.181.19.0044.15 LOC-4UTRP-9WMCCT(27/30/35/40/50)D-C90.IES

POLAR GRAPH



Maximum Candela = 242.85 Located At Horizontal Angle = 157.5, Vertical Angle = 1

1 - Vertical Plane Through Horizontal Angles (157.5 - 337.5) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)