



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BTR66.181.19.0007.12 CIR-43P-WH-27U-30K IES.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] BTR66.181.19.0007.12
 [TESTLAB] BEST TEST SERVICE SHENZHEN CO.,LTD
 [TESTDATE] 13 August 2019
 [ISSUEDATE] 2019-09-10 09:07:26
 [NEARFIELD]
 [LAMPPOSITION] 0,0
 [OTHER] EVERFINE GO-R5000_V2 SYSTEM
 [MANUFAC] BlackJack Lighting LLC
 [LUMINAIRE] CIR-43P-WH-27U-30K
 [LAMP] CIR-43P-WH-27U-30K

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5737
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	52
Total Luminaire Watts	110.957
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.34
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.52
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 m
Luminous Width (90-270)	0.00 m
Luminous Height	0.00 m

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

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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	934.89	934.89	934.89	934.89	934.89	934.89	934.89	934.89	934.89	934.89
1	934.88	935.17	935.03	934.63	934.89	934.91	934.40	934.31	934.13	934.16
2	934.91	935.09	935.06	934.60	935.02	934.52	933.58	933.37	933.30	933.33
3	934.85	935.09	934.69	934.11	934.55	933.77	932.81	932.18	931.84	931.71
4	934.33	934.42	934.04	933.08	933.91	932.54	931.52	930.84	930.23	930.19
5	933.08	933.55	933.17	932.06	933.20	931.62	929.72	929.00	928.38	928.47
6	931.93	932.37	931.79	930.65	931.89	929.82	928.11	926.91	926.21	926.35
7	930.16	930.54	930.31	928.88	930.25	927.95	925.56	924.64	923.50	923.55
8	928.60	929.22	928.60	926.77	928.39	925.78	923.11	921.83	920.95	921.00
9	926.53	926.85	926.41	924.51	926.50	923.32	920.82	918.84	917.77	917.72
10	923.90	924.66	923.78	921.78	923.77	920.62	917.47	915.76	914.49	914.49
11	921.35	921.95	920.92	918.74	921.28	917.41	914.03	912.17	910.54	910.79
12	918.26	918.89	917.73	915.29	917.93	913.86	910.59	908.35	906.84	907.04
13	914.87	915.57	914.22	911.47	914.50	910.48	906.58	904.29	902.69	902.76
14	911.03	911.74	910.35	907.83	910.79	906.37	902.51	899.96	897.98	898.74
15	906.88	907.25	906.07	903.30	906.74	902.39	898.03	894.95	893.55	893.82
16	901.86	902.58	901.31	898.41	902.28	898.00	893.34	890.53	888.41	888.97
17	896.77	897.19	896.26	893.33	897.92	893.19	888.66	885.32	883.40	883.90
18	891.24	892.19	890.77	888.08	892.64	888.17	883.25	880.17	877.96	878.74
19	885.72	886.72	885.46	882.85	887.79	882.46	877.84	874.48	872.58	872.80
20	880.54	881.71	880.39	877.78	882.04	876.89	872.25	868.61	866.49	866.92
21	875.65	876.87	875.94	872.89	876.69	871.09	866.01	862.59	860.35	860.25
22	870.46	872.06	871.17	868.25	871.50	864.96	859.27	855.47	853.65	853.11
23	865.75	867.25	866.38	863.69	866.30	858.80	852.33	848.40	846.49	846.50
24	860.90	862.53	861.65	859.12	861.42	852.86	845.33	841.24	839.28	839.25
25	856.25	857.86	857.34	854.34	856.41	847.42	838.62	833.93	832.09	832.58
26	851.11	852.92	852.49	849.62	851.72	841.73	832.54	827.31	825.62	826.20
27	846.35	848.19	847.89	845.20	846.67	836.65	827.00	820.90	819.06	820.34
28	841.59	843.17	843.39	840.50	842.06	831.39	821.48	814.75	813.01	814.44
29	836.35	838.35	838.50	835.72	837.29	826.18	815.91	808.90	806.69	808.75
30	831.44	833.51	834.05	831.06	832.37	821.15	810.76	803.14	800.84	803.10
31	826.47	828.63	829.48	826.76	827.37	816.19	805.34	797.66	795.25	797.66
32	821.23	823.37	824.80	821.91	822.54	811.09	800.27	792.11	789.51	792.04
33	816.41	818.56	819.89	817.33	817.72	806.13	795.02	786.58	783.63	786.66
34	811.15	813.40	815.23	812.42	812.78	801.23	789.84	781.17	778.29	781.10
35	806.24	808.49	810.31	807.89	808.18	796.33	784.80	775.61	772.69	775.35
36	801.16	803.34	805.36	803.25	803.19	791.35	779.58	770.27	767.32	770.53
37	796.06	798.52	800.89	798.59	798.28	786.59	774.76	765.10	761.67	765.13
38	791.02	793.59	795.97	794.06	793.70	781.46	769.73	759.69	756.27	759.99
39	785.89	788.64	791.37	789.22	789.03	776.99	764.57	754.48	751.18	754.94
40	781.04	783.68	786.49	784.82	784.17	772.14	759.85	749.50	746.13	749.98
41	775.80	778.87	782.08	780.15	779.66	767.82	755.06	744.28	740.70	745.08
42	771.21	773.97	777.23	775.92	774.97	763.10	750.22	739.52	736.08	740.09
43	766.22	769.26	772.56	771.73	770.73	758.71	745.65	734.49	731.06	735.45
44	761.45	764.39	768.26	768.02	766.62	754.55	740.91	729.83	726.31	730.64
45	756.78	759.75	764.00	764.20	762.81	750.51	736.53	725.22	721.78	726.26
46	752.04	755.09	760.01	760.75	759.13	746.82	732.15	720.75	717.02	721.96
47	747.44	750.57	756.07	756.94	755.57	743.40	727.99	716.26	712.52	718.03
48	743.15	746.25	752.50	753.62	752.35	739.72	724.04	711.79	708.44	714.09
49	738.81	742.16	748.81	750.24	748.99	736.30	720.45	707.66	704.19	710.61
50	734.65	738.19	745.18	746.66	745.56	732.71	716.87	703.82	700.27	707.14
51	730.32	734.34	741.59	743.29	742.06	729.43	713.32	699.66	696.32	703.61
52	726.24	730.51	738.12	739.96	738.86	726.13	709.70	696.07	693.11	700.14
53	722.17	726.68	734.36	736.32	735.82	722.96	706.47	692.41	689.42	696.84
54	718.42	723.14	730.88	732.90	732.31	719.53	703.19	688.98	685.90	693.24
55	714.05	719.57	727.33	729.74	728.89	716.46	699.90	685.58	682.51	690.08
56	710.45	715.78	723.87	726.22	725.70	713.20	696.86	682.51	679.13	686.79
57	706.48	712.20	720.25	723.01	722.35	709.84	693.62	679.50	675.83	683.32
58	702.60	708.80	716.85	719.39	719.05	706.57	690.41	676.35	672.43	680.30

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CANDELA TABULATION - (Cont.)

59	698.89	705.00	713.26	715.76	715.56	703.50	687.14	673.18	669.18	677.23
60	695.12	701.26	709.74	712.07	712.09	700.09	683.98	669.96	665.66	673.87
61	691.31	697.66	705.84	708.33	708.29	696.37	680.73	666.75	662.44	670.33
62	687.26	694.02	702.03	704.31	704.71	692.71	677.36	663.63	658.87	666.83
63	683.24	690.04	698.08	700.21	700.65	688.93	673.66	660.40	655.26	663.28
64	679.18	686.15	693.67	695.79	696.47	684.93	670.06	656.92	651.81	659.61
65	675.22	682.18	689.51	691.60	692.34	680.86	666.37	653.50	648.50	655.98
66	670.99	678.15	685.05	687.01	688.02	676.79	662.52	649.84	644.64	651.87
67	666.87	673.89	680.47	682.08	683.55	672.28	658.23	646.38	641.20	648.06
68	662.41	669.50	675.73	677.27	678.97	667.70	654.11	642.40	637.56	644.31
69	657.93	664.71	670.76	671.82	674.17	662.98	649.63	638.49	633.44	640.07
70	652.96	660.20	665.59	666.48	668.91	657.70	644.94	634.51	629.67	635.99
71	648.25	655.19	660.34	661.17	663.58	652.67	640.31	630.02	625.72	631.62
72	643.61	650.09	654.98	655.32	658.11	647.42	635.40	625.51	621.74	627.28
73	638.41	644.76	649.28	649.56	652.52	641.86	630.34	620.96	617.45	622.62
74	633.27	639.26	643.43	643.53	646.47	636.19	624.91	616.08	612.83	618.09
75	627.89	633.19	637.42	637.02	640.41	630.42	619.42	610.72	607.99	613.15
76	622.25	626.97	631.06	630.06	634.36	624.30	613.64	605.21	602.81	608.10
77	616.39	620.39	624.37	622.54	628.12	618.05	607.51	599.36	596.98	602.47
78	610.10	613.35	617.05	613.88	621.29	611.09	601.07	592.85	590.69	596.02
79	603.04	605.58	608.58	604.74	613.61	603.12	593.71	585.81	583.49	588.35
80	594.79	596.73	599.52	594.26	605.64	594.44	585.58	577.59	574.66	578.81
81	585.02	586.07	585.99	582.92	595.62	584.72	575.72	567.20	563.60	566.05
82	572.12	572.27	570.25	568.29	583.19	572.10	563.03	554.09	549.55	550.15
83	554.04	552.45	550.82	548.66	569.07	554.41	545.07	536.55	529.93	529.33
84	528.27	526.05	522.43	517.00	549.45	531.72	518.40	510.60	501.70	500.12
85	488.93	484.22	475.86	455.05	520.09	497.54	479.43	468.14	453.60	445.62
86	407.50	400.38	372.30	336.35	464.77	427.36	402.36	375.08	351.58	339.12
87	292.96	285.72	261.33	228.55	351.92	313.24	299.37	274.61	319.53	243.30
88	187.67	182.03	159.97	134.15	254.77	213.98	196.38	174.15	287.48	147.47
89	98.09	92.58	75.47	96.61	157.63	114.95	93.72	73.99	255.43	51.96
90	69.21	66.17	47.28	60.38	61.92	45.82	32.53	13.12	223.38	14.74
91	41.01	40.65	19.57	24.15	22.83	22.98	19.99	14.51	191.32	13.95
92	12.81	15.13	23.29	27.70	25.54	40.88	41.13	39.17	159.27	49.69
93	16.53	22.50	35.98	53.62	63.35	58.78	62.26	63.82	127.22	85.44
94	64.54	83.34	112.80	132.12	101.17	77.84	83.92	89.37	96.44	121.59
95	137.45	145.83	188.90	211.88	139.17	161.68	148.39	175.00	170.68	184.42
96	206.49	208.33	264.97	291.65	224.47	220.78	209.72	253.54	246.31	240.68
97	275.40	270.83	307.89	332.96	279.16	269.80	270.42	325.06	319.17	287.98
98	332.90	300.90	329.10	339.19	319.24	306.03	321.95	370.67	355.61	316.86
99	359.61	314.85	315.42	323.11	332.88	308.73	343.15	389.49	376.89	330.26
100	379.26	319.77	304.71	299.72	316.42	311.12	357.76	396.84	388.67	331.92
101	390.48	319.19	294.82	279.95	298.83	308.04	371.71	397.84	394.05	333.21
102	394.76	323.54	285.40	262.92	283.90	302.06	380.58	395.04	393.17	339.79
103	394.00	331.13	275.28	247.99	269.98	299.26	382.55	390.85	387.41	349.04
104	391.51	338.93	267.39	238.33	256.26	304.58	382.30	387.15	380.10	348.76
105	389.78	347.90	266.89	230.12	245.20	312.69	379.27	383.05	374.50	346.15
106	386.13	351.29	274.50	225.26	239.31	316.45	374.10	379.63	369.27	343.77
107	382.63	349.69	283.29	225.81	239.92	320.79	368.23	375.64	364.04	343.55
108	379.28	346.78	289.05	230.14	242.90	317.11	361.74	371.59	360.91	344.19
109	376.58	343.06	299.23	235.64	246.85	309.71	354.69	367.69	358.11	344.22
110	374.06	339.44	301.51	240.88	250.61	301.86	347.78	363.72	355.54	343.34
111	371.77	337.19	302.04	247.11	255.04	294.33	341.93	359.69	352.37	342.13
112	369.38	334.53	301.44	251.62	256.46	287.56	335.99	355.28	349.80	340.47
113	366.36	332.14	300.12	253.95	256.75	281.52	330.32	350.27	347.31	338.38
114	363.35	328.86	298.29	255.78	256.80	276.11	324.87	344.55	344.19	335.47
115	359.71	324.95	296.64	256.73	256.80	271.26	319.08	338.31	340.24	332.24
116	354.07	320.10	294.82	257.25	256.29	267.02	313.92	332.75	335.44	329.23
117	349.00	315.31	292.67	257.45	255.55	263.13	307.76	327.20	331.16	326.59
118	342.70	310.67	291.42	257.29	255.04	260.81	302.04	322.15	326.78	323.82
119	335.64	305.55	289.69	256.99	254.08	259.24	296.18	317.56	322.45	320.30

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CANDELA TABULATION - (Cont.)

120	329.19	300.57	287.44	256.99	253.03	257.54	291.92	313.48	317.76	317.15
121	323.50	295.49	285.10	256.63	252.29	256.43	288.00	309.87	313.55	314.35
122	317.41	291.44	282.60	256.45	251.77	255.31	284.12	307.26	309.62	311.39
123	311.24	287.64	279.93	256.74	251.63	254.24	280.98	303.96	305.48	307.62
124	304.89	284.06	277.05	257.60	252.01	254.40	278.35	300.92	301.20	303.78
125	298.68	281.32	274.40	259.05	252.90	255.02	276.60	297.75	297.33	300.06
126	292.08	278.30	272.38	260.34	254.74	255.94	275.24	293.80	293.36	296.58
127	286.22	275.78	271.12	262.13	256.27	256.96	274.33	290.55	289.58	292.79
128	280.27	272.69	270.07	264.85	258.99	259.15	272.96	287.65	285.81	289.15
129	276.12	267.97	269.55	268.91	263.74	263.14	272.56	284.25	282.52	285.32
130	274.36	265.71	270.62	273.91	270.37	269.56	274.16	281.87	278.40	281.87
131	272.68	266.40	271.62	277.18	276.73	275.36	276.64	280.51	275.24	277.95
132	271.66	266.69	273.86	279.78	281.05	279.92	278.62	279.81	273.26	273.98
133	269.97	267.46	275.28	280.96	283.60	281.59	278.52	277.91	270.27	270.49
134	267.20	269.10	276.17	281.61	283.44	280.75	277.17	272.39	267.26	267.33
135	263.82	267.49	276.58	280.60	280.90	276.39	272.36	268.44	263.57	264.81
136	258.61	263.84	274.22	277.76	277.02	269.31	262.37	265.02	259.41	261.03
137	253.03	258.82	269.25	273.08	273.80	262.11	255.78	261.60	254.81	256.51
138	247.29	253.56	263.49	268.30	270.01	256.99	251.92	259.10	252.64	251.88
139	241.67	247.32	256.90	261.88	265.40	252.37	250.29	254.53	249.43	247.35
140	235.58	240.82	250.52	255.44	260.44	249.05	247.73	250.46	245.78	242.92
141	229.25	234.36	243.98	249.25	255.02	246.65	243.85	245.10	240.00	238.99
142	222.58	227.65	237.49	242.84	248.86	242.43	239.10	239.23	236.08	234.99
143	215.90	221.06	230.78	236.50	242.68	237.13	232.84	232.15	229.82	229.07
144	208.98	214.47	224.32	229.86	236.61	231.05	226.46	225.28	223.03	223.12
145	201.92	207.99	217.62	223.01	230.53	224.76	220.28	218.36	216.80	216.87
146	195.17	201.37	211.08	216.39	224.30	218.11	214.29	211.54	210.84	210.66
147	188.55	194.93	204.44	209.44	217.04	211.68	207.98	204.95	204.73	204.52
148	182.19	188.26	197.51	202.81	210.79	205.87	201.87	198.79	198.69	198.55
149	175.96	181.69	190.81	195.90	204.69	200.47	195.64	192.63	192.66	192.58
150	169.70	175.40	183.91	188.86	198.04	193.39	189.40	186.47	186.63	186.60
151	163.53	169.40	177.34	181.56	191.40	186.32	183.16	180.40	180.66	180.34
152	157.35	163.13	170.25	174.22	184.75	179.53	176.73	174.64	174.20	174.09
153	151.27	156.74	163.37	166.82	177.53	173.73	170.48	168.57	168.06	167.91
154	143.66	149.46	156.47	155.79	169.09	167.77	164.81	162.47	161.86	161.47
155	129.59	135.67	143.06	141.35	162.69	160.08	158.60	154.20	151.17	147.93
156	114.68	118.96	124.77	130.32	152.86	148.62	145.97	139.63	138.48	134.05
157	95.87	99.51	106.16	110.01	135.65	135.29	132.36	126.30	126.13	114.41
158	86.59	89.13	92.56	95.97	118.51	116.99	114.54	112.04	111.37	100.86
159	81.02	82.00	86.22	88.14	100.95	101.27	99.76	99.68	101.91	95.06
160	75.53	74.94	78.60	80.88	92.37	92.62	92.75	94.13	97.14	90.93
161	68.28	67.89	70.99	73.62	87.48	87.88	87.96	88.75	91.37	85.60
162	62.07	60.24	62.91	65.06	79.51	80.32	80.13	79.01	82.42	78.83
163	56.89	53.87	56.72	59.07	70.58	71.01	72.03	71.53	76.26	72.25
164	52.40	49.07	51.58	53.94	63.79	64.11	65.62	65.00	69.80	65.11
165	48.22	44.49	46.91	48.83	57.16	57.23	58.86	58.55	64.29	62.20
166	44.05	39.74	41.83	43.61	53.38	53.44	54.76	55.30	59.87	57.25
167	32.08	29.66	33.86	38.74	48.57	48.65	49.61	50.83	54.01	49.62
168	34.23	30.46	30.13	30.81	37.25	37.96	34.50	38.78	41.86	42.08
169	28.31	25.62	27.77	31.96	37.09	36.94	39.85	40.68	43.43	41.26
170	35.77	32.73	33.83	34.81	33.81	34.50	31.15	34.36	35.13	36.74
171	43.71	41.16	40.33	39.73	38.58	38.21	41.24	41.88	46.34	43.63
172	41.38	41.93	44.68	48.06	42.17	42.24	44.29	51.56	56.40	58.57
173	38.15	38.60	40.55	44.08	54.55	54.99	54.38	55.05	56.00	55.72
174	34.84	35.15	36.00	39.85	50.73	51.06	51.21	51.87	52.63	52.38
175	31.80	31.77	32.63	35.60	46.70	47.00	47.75	48.48	49.00	48.78
176	29.60	29.52	30.85	32.60	42.47	42.71	44.25	45.02	45.18	44.91
177	27.99	28.32	29.20	30.58	39.25	39.42	40.87	41.52	41.17	41.10
178	27.19	27.60	27.91	29.25	36.32	36.42	37.48	37.99	37.44	37.44
179	27.92	27.76	27.66	28.06	33.75	33.86	34.53	34.27	34.02	33.76
180	28.70	28.70	28.70	28.70	28.70	28.70	28.70	28.70	28.70	28.70

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BTR66.181.19.0007.12 CIR-43P-WH-27U-30K IES.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	934.89	934.89	934.89	934.89	934.89	934.89	934.89
1	934.05	934.48	934.45	934.63	934.76	935.05	934.88
2	933.40	933.72	933.42	933.98	934.14	934.91	934.91
3	932.08	932.69	932.35	933.26	933.56	934.22	934.85
4	930.68	931.60	930.53	932.07	932.70	933.73	934.33
5	929.06	929.85	928.85	930.66	931.47	932.63	933.08
6	926.91	928.29	927.04	928.91	929.98	931.33	931.93
7	924.71	926.21	924.52	926.66	928.14	929.54	930.16
8	922.10	923.51	921.79	924.54	926.03	927.81	928.60
9	918.86	920.76	918.99	921.82	923.45	925.41	926.53
10	915.76	917.60	915.74	918.93	921.17	923.05	923.90
11	912.21	914.24	912.17	915.45	917.90	919.98	921.35
12	908.31	910.79	908.51	912.34	914.57	916.91	918.26
13	904.70	907.09	904.50	908.37	910.78	913.39	914.87
14	900.31	902.98	900.20	904.06	906.80	909.54	911.03
15	895.97	898.81	895.64	900.00	902.64	905.16	906.88
16	891.11	893.90	890.58	895.10	897.97	900.40	901.86
17	886.06	889.06	884.92	889.79	892.76	895.11	896.77
18	880.49	883.79	878.79	883.72	886.89	889.98	891.24
19	874.71	877.57	872.19	877.67	881.11	884.28	885.72
20	867.96	871.14	865.86	871.36	875.17	878.46	880.54
21	861.45	864.43	859.54	865.35	869.52	873.36	875.65
22	854.35	857.80	854.10	860.11	863.94	868.15	870.46
23	847.59	851.80	848.76	854.67	858.98	862.95	865.75
24	841.45	846.33	843.56	849.39	853.60	857.93	860.90
25	835.43	840.71	838.43	844.09	848.26	853.11	856.25
26	829.64	835.37	833.30	839.00	843.57	847.75	851.11
27	824.10	829.96	828.56	834.23	838.51	842.98	846.35
28	818.86	824.61	823.11	829.03	833.25	837.83	841.59
29	813.26	819.47	818.41	824.16	828.51	832.89	836.35
30	808.00	814.48	813.71	819.00	823.36	827.80	831.44
31	802.92	809.06	808.85	814.36	818.31	822.77	826.47
32	797.71	804.29	803.83	809.32	813.42	817.58	821.23
33	792.60	799.30	798.87	804.26	808.31	812.28	816.41
34	787.23	794.27	793.85	799.27	803.08	807.46	811.15
35	782.12	789.50	789.46	794.47	798.29	802.10	806.24
36	776.98	784.59	784.60	789.92	793.13	797.28	801.16
37	772.20	780.00	779.59	785.02	788.14	792.00	796.06
38	767.17	775.16	774.91	780.37	783.27	787.13	791.02
39	762.20	770.60	770.61	775.45	778.09	781.94	785.89
40	757.54	765.80	765.93	770.77	773.10	776.81	781.04
41	752.82	761.47	761.22	766.16	768.33	771.94	775.80
42	748.08	756.60	757.34	761.70	763.48	767.20	771.21
43	743.30	752.55	752.93	756.93	758.44	762.09	766.22
44	739.34	748.55	749.28	753.02	753.96	757.47	761.45
45	735.20	744.37	745.61	748.86	749.49	752.67	756.78
46	731.38	741.09	742.21	744.88	744.86	747.93	752.04
47	727.70	737.26	738.63	741.25	740.47	743.28	747.44
48	723.82	734.23	735.27	737.35	736.27	738.89	743.15
49	720.32	730.60	732.01	733.49	731.98	734.64	738.81
50	716.80	727.41	728.61	730.08	727.99	730.24	734.65
51	713.78	724.20	725.37	726.60	724.21	726.25	730.32
52	710.34	721.00	722.10	722.99	720.38	722.16	726.24
53	707.05	717.77	718.82	719.69	716.75	717.83	722.17
54	703.70	714.67	715.61	716.09	712.98	714.02	718.42
55	700.27	711.23	712.43	712.54	709.40	710.01	714.05
56	697.28	708.01	709.14	708.99	705.67	706.29	710.45
57	693.75	705.18	705.69	705.79	702.05	702.23	706.48

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CANDELA TABULATION - (Cont.)

58	690.57	701.83	702.43	702.21	698.32	698.39	702.60
59	687.63	698.59	699.16	698.80	694.63	694.75	698.89
60	684.19	695.37	695.67	695.40	690.88	690.78	695.12
61	680.85	692.08	691.91	691.77	687.21	686.90	691.31
62	677.13	688.12	688.08	687.85	683.16	682.86	687.26
63	673.32	684.71	684.01	683.94	679.21	679.07	683.24
64	669.55	680.86	679.86	679.66	675.02	674.76	679.18
65	666.02	676.98	675.37	675.41	670.83	670.69	675.22
66	661.95	673.04	670.61	670.93	666.60	666.30	670.99
67	658.01	668.58	665.97	666.11	662.27	662.20	666.87
68	654.05	664.12	660.91	661.19	657.57	657.49	662.41
69	649.60	659.73	655.71	656.39	652.80	653.17	657.93
70	645.38	655.38	650.74	651.13	647.96	648.63	652.96
71	640.86	650.71	646.15	646.18	643.26	643.82	648.25
72	636.44	646.11	641.88	641.10	638.45	639.02	643.61
73	631.81	641.34	637.51	636.24	633.68	634.21	638.41
74	627.13	636.62	632.58	631.83	629.10	628.95	633.27
75	622.57	631.61	627.56	626.95	624.08	624.01	627.89
76	617.65	625.87	621.82	621.38	618.93	618.48	622.25
77	612.15	619.71	614.94	615.20	613.38	612.74	616.39
78	605.48	611.75	606.06	608.31	607.49	606.41	610.10
79	597.32	601.19	593.10	599.89	600.71	599.59	603.04
80	585.02	590.27	581.43	589.07	592.39	591.41	594.79
81	571.20	578.96	566.35	575.12	581.32	581.35	585.02
82	556.58	564.67	545.41	557.42	567.05	567.95	572.12
83	536.12	545.60	513.96	533.86	546.50	551.18	554.04
84	505.09	516.50	458.89	494.60	517.40	526.98	528.27
85	448.27	464.49	351.78	416.02	465.37	487.23	488.93
86	341.92	361.88	241.73	301.83	355.71	395.74	407.50
87	245.94	263.39	147.23	199.50	243.93	278.34	292.96
88	149.97	164.89	62.48	108.67	148.47	176.35	187.67
89	54.29	66.66	42.11	78.92	64.72	88.74	98.09
90	16.48	18.47	23.59	50.92	41.30	64.14	69.21
91	18.44	21.08	25.26	22.93	18.57	40.43	41.01
92	56.94	54.68	48.27	29.02	21.76	16.73	12.81
93	95.44	88.28	124.10	93.94	53.05	21.29	16.53
94	134.52	123.12	201.55	156.66	122.47	90.14	64.54
95	212.37	217.22	278.99	219.33	191.89	174.09	137.45
96	266.72	278.14	323.17	282.00	261.29	258.24	206.49
97	312.46	322.09	335.39	317.25	330.70	342.40	275.40
98	321.77	343.05	327.37	330.73	366.33	393.36	332.90
99	317.42	329.77	319.56	336.83	382.58	411.73	359.61
100	312.65	317.03	313.12	337.28	395.08	416.82	379.26
101	306.68	307.44	307.53	333.50	399.43	415.52	390.48
102	301.01	299.20	301.39	338.91	397.44	410.51	394.76
103	294.24	291.32	293.42	343.91	391.86	403.01	394.00
104	291.86	282.79	294.30	348.89	384.64	394.23	391.51
105	299.52	274.53	299.45	343.09	376.74	386.72	389.78
106	308.45	277.56	306.75	335.12	368.36	378.94	386.13
107	318.44	284.64	309.21	328.68	361.16	371.02	382.63
108	324.04	294.53	309.51	323.87	354.66	364.06	379.28
109	328.38	301.77	307.25	318.59	347.46	357.62	376.58
110	330.55	305.22	304.02	313.16	340.44	351.83	374.06
111	330.31	306.88	300.82	306.58	334.55	345.80	371.77
112	328.99	306.76	297.28	300.63	328.63	340.71	369.38
113	326.71	306.33	294.15	295.55	321.20	336.71	366.36
114	323.96	304.66	290.96	290.70	313.60	332.13	363.35
115	320.58	302.24	288.07	286.22	305.93	327.22	359.71
116	316.86	299.14	284.88	282.27	298.91	322.17	354.07
117	312.57	295.22	281.47	279.12	292.40	317.12	349.00
118	308.27	291.22	277.85	275.92	286.35	312.82	342.70

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CANDELA TABULATION - (Cont.)

119	303.56	287.13	273.75	273.10	281.25	308.41	335.64
120	298.99	283.59	270.25	270.19	277.16	304.82	329.19
121	294.68	279.86	266.58	266.35	273.67	302.76	323.50
122	291.30	276.16	263.71	261.16	271.01	300.47	317.41
123	288.55	272.53	261.54	256.83	268.94	297.40	311.24
124	286.24	269.57	260.04	252.65	268.46	294.07	304.89
125	284.05	267.05	259.03	249.79	268.08	291.39	298.68
126	282.18	265.08	258.50	248.34	267.84	289.29	292.08
127	280.59	263.73	256.90	248.53	267.72	285.92	286.22
128	279.22	263.41	257.27	250.18	267.74	281.12	280.27
129	278.54	264.31	260.07	252.80	266.86	278.16	276.12
130	278.60	266.50	265.58	256.11	265.27	276.63	274.36
131	278.89	270.43	271.16	259.97	267.59	276.66	272.68
132	278.86	274.93	275.67	263.05	269.84	276.43	271.66
133	278.77	279.17	278.96	266.77	271.39	276.19	269.97
134	278.89	282.68	280.91	269.91	271.97	273.73	267.20
135	276.77	283.84	280.65	272.24	271.91	270.00	263.82
136	274.37	280.79	276.59	271.72	268.79	264.90	258.61
137	269.96	276.81	271.29	268.44	263.51	259.08	253.03
138	265.78	272.89	265.19	262.38	257.42	252.94	247.29
139	261.34	268.48	259.10	255.48	250.86	246.76	241.67
140	256.62	264.16	253.37	248.99	243.48	239.87	235.58
141	250.79	259.13	247.81	242.78	236.61	233.17	229.25
142	244.95	252.50	241.37	236.29	229.91	226.70	222.58
143	239.16	243.59	235.91	229.37	223.32	219.14	215.90
144	233.17	236.79	230.42	223.14	216.53	211.88	208.98
145	226.63	231.57	225.46	217.04	209.62	204.53	201.92
146	220.02	225.35	218.89	211.11	203.15	197.56	195.17
147	213.61	219.22	212.01	204.80	196.74	190.85	188.55
148	207.42	212.94	205.28	198.28	190.43	184.35	182.19
149	201.12	206.16	198.37	191.85	184.70	177.81	175.96
150	194.33	199.27	191.31	185.23	178.77	171.44	169.70
151	187.54	192.39	184.15	178.69	171.53	165.00	163.53
152	180.17	185.51	175.20	171.90	165.30	158.61	157.35
153	172.79	178.21	167.82	164.21	157.84	152.49	151.27
154	165.12	170.37	153.20	148.12	145.68	143.48	143.66
155	151.16	155.69	137.09	128.88	131.31	132.22	129.59
156	135.65	138.30	113.49	111.06	109.60	112.84	114.68
157	113.54	115.08	100.74	99.48	96.06	97.08	95.87
158	98.96	100.43	93.25	92.66	91.48	90.46	86.59
159	93.49	94.58	86.83	85.15	85.20	83.97	81.02
160	88.29	87.94	79.28	77.62	78.88	77.49	75.53
161	79.78	78.48	71.73	70.09	72.55	71.01	68.28
162	72.79	69.69	64.18	64.13	66.14	64.31	62.07
163	66.54	61.53	59.48	59.72	61.35	59.26	56.89
164	62.87	58.37	54.32	56.02	56.98	54.35	52.40
165	59.82	52.92	49.10	51.34	52.17	50.17	48.22
166	54.64	47.94	42.65	46.22	47.67	45.83	44.05
167	46.07	40.97	33.40	34.96	35.21	33.63	32.08
168	38.41	32.66	37.10	37.82	37.86	35.79	34.23
169	39.32	35.52	37.70	35.60	34.60	32.01	28.31
170	35.23	34.50	42.59	41.10	38.96	38.17	35.77
171	43.86	44.14	58.29	55.05	50.01	47.02	43.71
172	59.51	61.66	54.88	51.82	47.09	43.94	41.38
173	56.49	58.09	50.60	48.20	43.65	40.34	38.15
174	53.01	54.17	46.04	44.08	39.90	36.88	34.84
175	49.43	49.82	41.51	39.53	36.19	33.44	31.80
176	45.58	44.97	37.03	35.16	32.56	30.44	29.60
177	41.26	40.21	33.03	31.44	29.32	28.00	27.99
178	36.92	35.62	29.87	28.86	27.39	26.91	27.19
179	32.79	31.09	29.48	29.37	28.87	28.15	27.92

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CANDELA TABULATION - (Cont.)

180	28.70	28.70	28.70	28.70	28.70	28.70	28.70
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IES INDOOR REPORT**PHOTOMETRIC FILENAME : BTR66.181.19.0007.12 CIR-43P-WH-27U-30K IES.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	342.72	N.A.	6.00
0-30	733.47	N.A.	12.80
0-40	1231.62	N.A.	21.50
0-60	2445.93	N.A.	42.60
0-80	3773.4	N.A.	65.80
0-90	4196.13	N.A.	73.10
10-90	4107.63	N.A.	71.60
20-40	888.90	N.A.	15.50
20-50	1466.99	N.A.	25.60
40-70	1881.72	N.A.	32.80
60-80	1327.48	N.A.	23.10
70-80	660.07	N.A.	11.50
80-90	422.72	N.A.	7.40
90-110	554.36	N.A.	9.70
90-120	859.56	N.A.	15.00
90-130	1108.48	N.A.	19.30
90-150	1454.16	N.A.	25.30
90-180	1540.63	N.A.	26.90
110-180	986.27	N.A.	17.20
0-180	5736.76	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	88.50
10-20	254.22
20-30	390.75
30-40	498.14
40-50	578.09
50-60	636.22
60-70	667.41
70-80	660.07
80-90	422.72
90-100	204.08
100-110	350.28
110-120	305.20
120-130	248.92
130-140	207.79
140-150	137.89
150-160	65.98
160-170	16.37
170-180	4.12

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

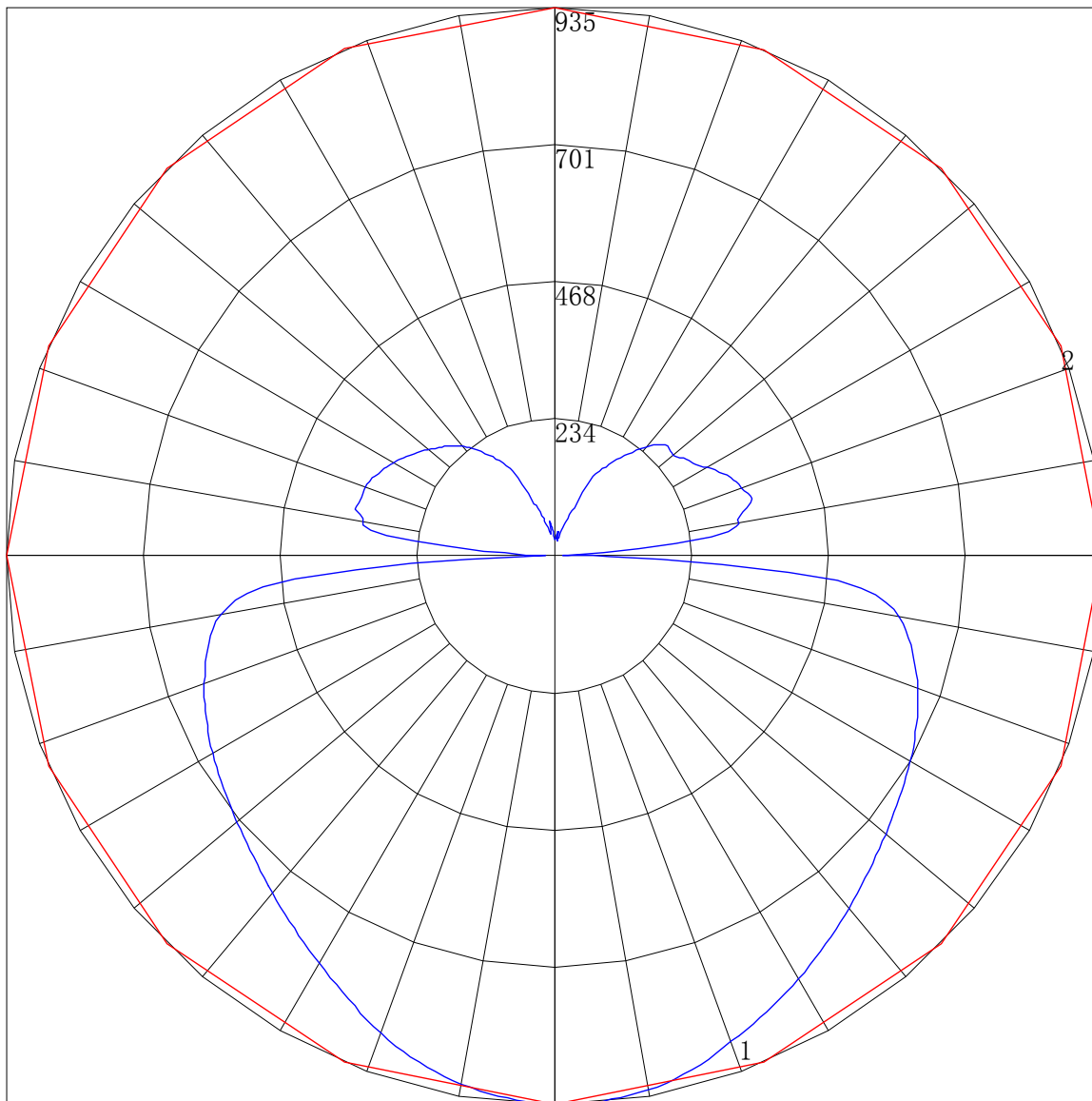
Effective Floor Cavity Reflectance 0.20

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	113	113	113	113	107	107	107	107	96	96	96	86	86	86	77	77	77	73
1	99	93	87	82	93	88	83	78	79	75	71	70	67	64	62	60	57	53
2	88	79	70	64	83	74	67	61	66	60	55	59	54	50	52	48	45	41
3	80	68	58	51	75	64	56	49	57	50	44	51	45	40	45	40	36	33
4	72	59	49	42	68	56	47	40	50	43	37	44	38	33	39	34	30	27
5	66	52	42	35	62	49	41	34	44	37	31	39	33	28	35	30	26	23
6	61	47	37	30	57	44	35	29	40	32	27	35	29	24	31	26	22	19
7	56	42	33	26	53	40	31	25	36	29	23	32	26	21	28	23	19	17
8	52	38	29	23	49	36	28	22	33	25	20	29	23	19	26	21	17	15
9	48	35	26	20	45	33	25	20	30	23	18	27	21	17	24	19	15	13
10	45	32	24	18	43	30	23	18	27	21	16	25	19	15	22	17	14	12

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POLAR GRAPH



Maximum Candela = 935.17 Located At Horizontal Angle = 22.5, Vertical Angle = 1

1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)

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