

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 12573463-12573463.02_IES INDOOR PHOTOMETRIC REPORT_FHEZ17A48.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 12573463.02
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 11/14/2018
[MANUFAC] FULHAM CO INC
[LUMCAT] FHEZ17A48
[LUMINAIRE] Metal housing with diffuse lens
[LAMP] 48" Linear module (TMU045012ELXXXB)
[OTHER] 25.3 C, 25.9936 V, 0.653684 A, 16.9916 W, 0.999999 PF
[OTHER] Tested with EM Driver: FHSCP-UNV-17WL

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2209
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	16.9916
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	0.08 ft
Luminous Height	0.02 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	21403	19021	18457
55	20620	17540	16928
65	19027	15442	14805
75	15499	12052	11674
85	6762	7445	8175

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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>
0.0	695.70	695.70	695.70	695.70	695.70
0.5	691.00	694.40	695.00	694.60	702.70
1.0	691.10	694.20	695.40	694.10	702.60
1.5	690.90	695.00	695.30	694.20	702.30
2.0	690.60	694.30	695.10	694.10	702.20
2.5	690.90	694.20	694.60	694.10	702.30
3.0	690.60	693.90	694.30	693.30	701.80
3.5	689.40	693.40	693.60	693.30	701.70
4.0	688.60	693.00	693.50	692.90	701.40
4.5	688.30	692.50	692.70	692.60	700.90
5.0	688.60	691.80	692.40	691.50	700.20
5.5	687.90	691.20	691.60	691.50	699.90
6.0	686.70	690.20	690.90	690.90	699.40
6.5	686.90	690.10	690.40	689.90	698.70
7.0	685.30	689.10	689.50	689.10	697.90
7.5	683.90	687.80	688.70	688.60	697.10
8.0	683.90	687.10	687.60	687.90	696.30
8.5	683.40	686.60	686.90	686.80	695.90
9.0	680.40	685.60	685.80	685.60	694.60
9.5	679.70	683.90	685.00	685.10	693.30
10.0	679.70	682.90	683.80	683.90	692.20
10.5	677.30	682.10	682.30	683.20	691.70
11.0	676.30	680.40	680.80	682.00	690.20
11.5	675.10	678.90	679.40	680.40	689.80
12.0	673.10	677.00	679.00	678.70	689.10
12.5	672.90	676.40	677.10	678.50	686.70
13.0	671.00	674.40	675.80	677.20	685.70
13.5	669.20	673.10	674.40	676.00	684.80
14.0	667.70	671.40	673.00	674.30	683.70
14.5	665.60	669.70	672.00	672.60	681.90
15.0	663.40	668.50	669.50	671.60	680.10
15.5	662.00	666.40	667.70	670.20	678.40
16.0	660.00	664.00	666.80	668.20	676.80
16.5	658.70	662.90	664.90	666.40	674.60
17.0	655.10	660.90	662.70	664.50	673.20
17.5	653.90	659.00	661.10	662.50	671.60
18.0	651.50	656.10	659.60	661.10	670.60
18.5	649.70	655.40	656.60	658.80	667.70
19.0	648.00	652.40	654.30	657.60	666.20
19.5	645.00	650.30	652.50	655.40	664.50
20.0	642.60	648.20	650.80	652.30	661.50
20.5	641.30	645.70	648.20	650.40	659.90
21.0	638.50	643.00	645.90	648.80	657.50
21.5	635.80	640.40	643.70	646.40	655.00
22.0	634.00	637.70	640.80	644.00	652.70
22.5	631.10	635.50	639.10	641.40	650.20
23.0	628.30	632.50	636.30	639.50	648.00
23.5	625.40	630.10	633.60	636.70	645.20
24.0	622.40	627.60	631.10	634.60	643.30
24.5	619.50	624.90	628.30	631.90	640.40
25.0	616.50	622.10	625.90	629.00	637.50
25.5	613.70	619.50	622.80	626.20	634.80
26.0	610.50	616.60	620.30	623.50	632.40
26.5	607.50	613.40	617.50	621.10	629.80

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 12573463-12573463.02_IES INDOOR PHOTOMETRIC REPORT_FHEZ17A48.IES****CANDELA TABULATION - (Cont.)**

27.0	604.40	610.50	614.50	618.00	626.50
27.5	601.10	607.30	611.60	615.30	623.80
28.0	597.70	604.10	608.50	612.30	620.50
28.5	594.40	601.00	605.70	609.70	617.90
29.0	591.10	597.50	602.40	606.60	614.90
29.5	587.70	594.30	599.20	603.50	611.70
30.0	584.30	590.90	596.10	600.40	608.50
30.5	581.00	587.50	592.80	597.40	605.30
31.0	577.70	584.00	589.60	594.10	602.10
31.5	574.00	580.70	586.30	590.90	598.90
32.0	570.90	577.30	583.10	587.70	595.40
32.5	567.40	573.90	579.80	584.40	592.20
33.0	563.80	570.30	576.20	580.90	588.80
33.5	560.10	566.60	572.70	577.50	585.30
34.0	556.20	562.90	569.20	574.00	581.80
34.5	552.50	559.20	565.50	570.60	578.20
35.0	548.30	555.60	561.90	566.90	574.80
35.5	544.40	551.90	558.30	563.30	571.10
36.0	540.20	548.10	554.50	559.70	567.40
36.5	536.20	544.20	550.80	556.00	563.80
37.0	532.10	540.40	546.90	552.20	560.00
37.5	528.10	536.30	543.20	548.40	556.30
38.0	523.80	532.20	539.40	544.70	552.40
38.5	519.50	528.10	535.40	540.80	548.60
39.0	515.10	524.00	531.40	536.90	544.70
39.5	510.80	520.20	527.50	533.00	540.80
40.0	506.50	516.10	523.40	529.10	536.70
40.5	502.10	511.80	519.40	525.00	532.70
41.0	497.50	507.30	515.40	521.10	528.60
41.5	493.00	503.00	511.20	517.00	524.50
42.0	488.10	498.80	506.90	512.90	520.30
42.5	483.40	494.50	502.70	508.70	516.20
43.0	478.90	490.10	498.40	504.50	511.90
43.5	474.40	485.60	494.10	500.30	507.60
44.0	469.60	481.10	489.70	495.90	503.20
44.5	464.80	476.50	485.30	491.70	498.70
45.0	460.00	471.80	480.90	487.30	494.40
45.5	455.20	467.40	476.20	482.80	489.90
46.0	450.70	462.90	471.80	478.40	485.50
46.5	446.00	458.30	467.10	473.80	480.80
47.0	440.90	453.40	462.50	469.40	476.30
47.5	436.20	448.80	458.00	464.80	471.80
48.0	431.20	444.10	453.50	460.10	467.20
48.5	426.30	439.20	448.70	455.50	462.60
49.0	421.50	434.40	444.00	450.70	457.80
49.5	416.60	429.50	439.10	446.00	453.30
50.0	411.60	424.70	434.40	441.20	448.50
50.5	406.70	419.70	429.40	436.60	443.80
51.0	401.80	414.70	424.50	431.80	439.20
51.5	396.60	409.80	419.60	427.00	434.20
52.0	391.50	404.70	414.70	422.30	429.40
52.5	386.30	399.90	409.60	417.60	424.40
53.0	381.40	394.90	404.40	412.60	419.60
53.5	376.50	389.50	399.20	407.80	414.80
54.0	371.10	384.30	394.00	402.90	409.80
54.5	365.70	379.10	388.80	397.90	404.80

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 12573463-12573463.02_IES INDOOR PHOTOMETRIC REPORT_FHEZ17A48.IES****CANDELA TABULATION - (Cont.)**

55.0	360.30	373.80	383.50	392.80	399.60
55.5	355.00	368.60	378.30	387.70	394.50
56.0	349.80	363.30	373.00	382.70	389.30
56.5	344.40	358.00	367.70	377.60	384.10
57.0	338.70	352.60	362.50	372.60	378.90
57.5	333.10	346.80	357.20	367.20	373.70
58.0	327.80	341.30	351.80	362.00	368.40
58.5	322.20	335.70	346.40	356.70	363.10
59.0	316.60	330.10	341.00	351.50	357.60
59.5	311.00	324.50	335.40	346.20	352.20
60.0	305.20	318.80	330.10	340.80	346.80
60.5	299.40	313.20	324.60	335.40	341.40
61.0	293.40	307.40	319.10	329.90	336.00
61.5	287.80	301.70	313.70	324.50	330.50
62.0	281.90	296.10	308.10	319.10	325.00
62.5	275.90	290.20	302.60	313.60	319.50
63.0	270.00	284.40	297.10	308.00	313.90
63.5	263.90	278.60	291.50	302.50	308.50
64.0	258.20	272.70	285.90	296.90	303.10
64.5	252.00	266.70	280.20	291.30	297.50
65.0	245.90	260.80	274.60	285.90	291.80
65.5	240.00	254.80	268.90	280.20	286.10
66.0	234.00	248.90	263.30	274.60	280.50
66.5	227.80	242.70	257.50	268.90	274.90
67.0	221.70	236.90	251.80	263.20	269.40
67.5	215.60	230.80	246.10	257.60	263.60
68.0	209.20	224.70	240.20	251.90	258.00
68.5	203.10	218.80	234.40	246.20	252.20
69.0	197.00	212.80	228.50	240.60	246.60
69.5	190.70	206.90	222.60	235.00	241.00
70.0	184.50	200.80	216.80	229.40	235.00
70.5	178.50	194.90	210.90	223.60	229.40
71.0	172.20	188.70	205.00	218.00	223.50
71.5	166.30	182.80	199.20	212.30	217.80
72.0	160.00	176.70	193.50	206.70	212.00
72.5	154.10	170.70	187.50	200.90	206.20
73.0	147.80	164.70	181.80	195.10	200.50
73.5	141.60	158.80	176.00	189.30	194.80
74.0	135.60	152.80	170.20	183.60	189.10
74.5	129.70	146.80	164.40	178.10	183.30
75.0	123.70	140.90	158.60	172.60	177.60
75.5	117.90	135.00	153.00	166.90	172.10
76.0	112.10	129.30	147.40	161.50	166.60
76.5	106.50	123.40	141.80	155.90	161.00
77.0	100.70	117.60	136.30	150.50	155.70
77.5	94.92	111.70	130.90	145.20	150.20
78.0	89.17	106.00	125.40	140.10	144.90
78.5	83.57	100.50	120.10	134.80	139.90
79.0	77.99	95.05	114.80	129.50	134.80
79.5	72.51	89.61	109.50	124.30	129.90
80.0	67.06	84.16	104.40	119.30	124.80
80.5	61.73	78.85	99.22	114.50	120.00
81.0	56.44	73.66	94.39	109.60	115.30
81.5	51.30	68.56	89.65	105.00	110.70
82.0	46.24	63.58	85.12	100.50	106.30
82.5	41.32	58.79	80.56	96.08	102.10

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 12573463-12573463.02_IES INDOOR PHOTOMETRIC REPORT_FHEZ17A48.IES****CANDELA TABULATION - (Cont.)**

83.0	36.55	54.15	76.17	92.07	98.00
83.5	31.84	49.68	71.96	88.15	94.25
84.0	27.34	45.44	67.96	84.53	90.67
84.5	23.06	41.39	64.16	80.92	87.16
85.0	18.91	37.61	60.58	77.50	83.83
85.5	15.03	34.04	57.23	74.23	80.66
86.0	11.44	30.68	54.12	71.19	77.62
86.5	8.14	27.64	51.22	68.33	74.76
87.0	5.20	24.90	48.52	65.64	72.04
87.5	2.65	22.48	46.02	63.07	69.43
88.0	0.85	20.39	43.65	60.64	66.91
88.5	0.00	18.54	41.47	58.32	64.55
89.0	0.00	16.86	39.39	56.11	62.30
89.5	0.00	15.36	37.52	54.03	60.14
90.0	0.00	14.11	35.85	52.08	58.11
90.5	0.00	13.06	34.33	50.25	56.21
91.0	0.00	12.20	32.93	48.57	54.44
91.5	0.00	11.55	31.67	47.03	52.80
92.0	0.00	11.09	30.57	45.63	51.30
92.5	0.00	10.84	29.68	44.39	49.93
93.0	0.00	10.65	29.01	43.30	48.72
93.5	0.00	10.49	28.53	42.36	47.63
94.0	0.00	10.34	28.13	41.56	46.71
94.5	0.00	10.24	27.83	40.87	45.93
95.0	0.00	10.14	27.60	40.32	45.27
95.5	0.00	10.08	27.39	39.86	44.71
96.0	0.00	9.99	27.23	39.49	44.28
96.5	0.00	9.90	27.11	39.20	43.97
97.0	0.00	9.79	27.00	38.99	43.71
97.5	0.00	9.69	26.89	38.82	43.49
98.0	0.00	9.55	26.75	38.67	43.31
98.5	0.00	9.39	26.61	38.54	43.13
99.0	0.00	9.23	26.50	38.39	42.96
99.5	0.00	9.09	26.37	38.26	42.81
100.0	0.00	8.95	26.24	38.11	42.65
100.5	0.00	8.84	26.11	37.97	42.50
101.0	0.00	8.78	25.98	37.84	42.34
101.5	0.00	8.70	25.85	37.70	42.17
102.0	0.00	8.62	25.70	37.57	41.98
102.5	0.00	8.57	25.57	37.44	41.84
103.0	0.00	8.50	25.44	37.29	41.68
103.5	0.00	8.42	25.31	37.12	41.50
104.0	0.00	8.34	25.17	36.92	41.33
104.5	0.00	8.29	25.01	36.72	41.14
105.0	0.00	8.21	24.84	36.54	40.95
105.5	0.00	8.13	24.67	36.36	40.78
106.0	0.00	8.04	24.50	36.18	40.60
106.5	0.00	7.95	24.34	36.02	40.41
107.0	0.00	7.84	24.13	35.85	40.23
107.5	0.00	7.77	23.95	35.67	40.04
108.0	0.00	7.68	23.78	35.55	39.85
108.5	0.00	7.62	23.61	35.36	39.67
109.0	0.00	7.56	23.45	35.17	39.48
109.5	0.00	7.48	23.30	34.97	39.27
110.0	0.00	7.41	23.13	34.74	39.04
110.5	0.00	7.33	22.99	34.52	38.86

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111.0	0.00	7.27	22.84	34.29	38.63
111.5	0.00	7.19	22.69	34.05	38.38
112.0	0.00	7.12	22.52	33.82	38.14
112.5	0.00	7.07	22.38	33.59	37.95
113.0	0.00	7.01	22.21	33.37	37.68
113.5	0.00	6.94	22.05	33.13	37.50
114.0	0.00	6.88	21.90	32.90	37.25
114.5	0.00	6.81	21.74	32.68	36.99
115.0	0.00	6.72	21.57	32.45	36.73
115.5	0.00	6.65	21.42	32.20	36.50
116.0	0.00	6.59	21.23	31.99	36.27
116.5	0.00	6.49	21.04	31.74	35.97
117.0	0.00	6.43	20.86	31.50	35.73
117.5	0.00	6.35	20.67	31.29	35.46
118.0	0.00	6.24	20.37	31.05	35.21
118.5	0.00	6.14	20.06	30.81	34.94
119.0	0.00	6.06	19.79	30.58	34.69
119.5	0.00	5.85	19.51	30.28	34.33
120.0	0.00	5.76	19.41	30.07	34.11
120.5	0.00	5.67	19.31	29.86	33.88
121.0	0.00	5.53	19.12	29.59	33.56
121.5	0.00	5.45	18.92	29.32	33.29
122.0	0.00	5.38	18.80	29.09	33.00
122.5	0.00	5.25	18.63	28.82	32.72
123.0	0.00	5.15	18.49	28.55	32.47
123.5	0.00	5.07	18.35	28.29	32.18
124.0	0.00	4.95	18.22	28.01	31.87
124.5	0.00	4.81	18.02	27.75	31.55
125.0	0.00	4.60	17.87	27.45	31.24
125.5	0.00	4.42	17.73	27.14	30.97
126.0	0.00	4.27	17.54	26.85	30.63
126.5	0.00	4.14	17.37	26.54	30.30
127.0	0.00	4.01	17.13	26.13	30.00
127.5	0.00	3.84	16.83	25.75	29.66
128.0	0.00	3.66	16.51	25.41	29.34
128.5	0.00	3.47	16.23	25.08	28.95
129.0	0.00	3.29	15.89	24.81	28.59
129.5	0.00	3.13	15.58	24.57	28.31
130.0	0.00	3.02	15.28	24.33	27.96
130.5	0.00	2.93	14.98	24.06	27.67
131.0	0.00	2.84	14.68	23.80	27.37
131.5	0.00	2.74	14.39	23.54	27.02
132.0	0.00	2.62	14.09	23.29	26.68
132.5	0.00	2.50	13.79	23.05	26.36
133.0	0.00	2.40	13.45	22.80	26.07
133.5	0.00	2.31	13.16	22.52	25.72
134.0	0.00	2.22	12.90	22.25	25.40
134.5	0.00	2.11	12.61	21.94	25.06
135.0	0.00	2.03	12.32	21.65	24.70
135.5	0.00	1.95	12.03	21.36	24.37
136.0	0.00	1.84	11.75	21.06	24.05
136.5	0.00	1.74	11.45	20.78	23.68
137.0	0.00	1.67	11.22	20.48	23.18
137.5	0.00	1.58	10.98	20.18	22.70
138.0	0.00	1.49	10.74	19.86	22.30
138.5	0.00	1.40	10.50	19.54	21.88

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CANDELA TABULATION - (Cont.)

139.0	0.00	1.32	10.23	19.22	21.49
139.5	0.00	1.25	9.95	18.87	21.28
140.0	0.00	1.16	9.66	18.48	21.03
140.5	0.00	1.06	9.37	18.07	20.68
141.0	0.00	0.98	9.08	17.64	20.35
141.5	0.00	0.89	8.80	17.18	20.01
142.0	0.00	0.77	8.49	16.72	19.64
142.5	0.00	0.69	8.16	16.25	19.27
143.0	0.00	0.62	7.90	15.80	18.94
143.5	0.00	0.53	7.62	15.35	18.59
144.0	0.00	0.42	7.35	14.88	18.22
144.5	0.00	0.32	7.01	14.35	17.75
145.0	0.00	0.28	6.85	14.03	17.51
145.5	0.00	0.20	6.55	13.58	17.19
146.0	0.00	0.10	6.09	12.93	16.50
146.5	0.00	0.07	5.90	12.59	16.24
147.0	0.00	0.05	5.72	12.16	15.89
147.5	0.00	0.02	5.54	11.69	15.54
148.0	0.00	0.00	5.39	11.26	15.13
148.5	0.00	0.00	5.23	10.80	14.71
149.0	0.00	0.00	5.04	10.33	14.29
149.5	0.00	0.00	4.85	9.88	13.88
150.0	0.00	0.00	4.67	9.44	13.45
150.5	0.00	0.00	4.48	9.01	13.01
151.0	0.00	0.00	4.31	8.55	12.50
151.5	0.00	0.00	4.13	8.13	12.06
152.0	0.00	0.00	3.96	7.71	11.61
152.5	0.00	0.00	3.79	7.29	11.19
153.0	0.00	0.00	3.62	6.95	10.77
153.5	0.00	0.00	3.46	6.63	10.38
154.0	0.00	0.00	3.29	6.38	9.95
154.5	0.00	0.00	3.11	6.17	9.51
155.0	0.00	0.00	2.92	5.90	9.14
155.5	0.00	0.00	2.73	5.61	8.80
156.0	0.00	0.00	2.54	5.30	8.54
156.5	0.00	0.00	2.34	4.99	8.20
157.0	0.00	0.00	2.13	4.69	7.82
157.5	0.00	0.00	1.89	4.39	7.45
158.0	0.00	0.00	1.66	4.11	7.10
158.5	0.00	0.00	1.43	3.83	6.75
159.0	0.00	0.00	1.21	3.56	6.41
159.5	0.00	0.00	1.00	3.29	6.04
160.0	0.00	0.00	0.85	3.03	5.64
160.5	0.00	0.00	0.69	2.77	5.27
161.0	0.00	0.00	0.54	2.49	4.94
161.5	0.00	0.00	0.41	2.20	4.61
162.0	0.00	0.00	0.32	1.89	4.26
162.5	0.00	0.00	0.26	1.61	3.93
163.0	0.00	0.00	0.25	1.36	3.55
163.5	0.00	0.00	0.25	1.12	3.17
164.0	0.00	0.00	0.25	0.90	2.78
164.5	0.00	0.00	0.23	0.71	2.37
165.0	0.00	0.00	0.21	0.53	1.93
165.5	0.00	0.00	0.20	0.37	1.51
166.0	0.00	0.00	0.18	0.27	1.10
166.5	0.00	0.00	0.15	0.18	0.65

IES INDOOR REPORT

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CANDELA TABULATION - (Cont.)

167.0	0.00	0.00	0.13	0.14	0.40
167.5	0.00	0.00	0.10	0.13	0.27
168.0	0.00	0.00	0.08	0.12	0.07
168.5	0.00	0.00	0.04	0.10	0.00
169.0	0.00	0.00	0.03	0.09	0.00
169.5	0.00	0.00	0.02	0.06	0.00
170.0	0.00	0.00	0.00	0.06	0.00
170.5	0.00	0.00	0.00	0.03	0.00
171.0	0.00	0.00	0.00	0.01	0.00
171.5	0.00	0.00	0.00	0.00	0.00
172.0	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00
173.0	0.00	0.00	0.00	0.00	0.00
173.5	0.00	0.00	0.00	0.00	0.00
174.0	0.00	0.00	0.00	0.00	0.00
174.5	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00
175.5	0.00	0.00	0.00	0.00	0.00
176.0	0.00	0.00	0.00	0.00	0.00
176.5	0.00	0.00	0.00	0.00	0.00
177.0	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00
178.0	0.00	0.00	0.00	0.00	0.00
178.5	0.00	0.00	0.00	0.00	0.00
179.0	0.00	0.00	0.00	0.00	0.00
179.5	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	255.08	N.A.	11.50
0-30	543.65	N.A.	24.60
0-40	894.95	N.A.	40.50
0-60	1606.45	N.A.	72.70
0-80	2040.79	N.A.	92.40
0-90	2106.39	N.A.	95.40
10-90	2040.54	N.A.	92.40
20-40	639.87	N.A.	29.00
20-50	1009.62	N.A.	45.70
40-70	980.90	N.A.	44.40
60-80	434.35	N.A.	19.70
70-80	164.94	N.A.	7.50
80-90	65.59	N.A.	3.00
90-110	52.35	N.A.	2.40
90-120	71.95	N.A.	3.30
90-130	86.59	N.A.	3.90
90-150	100.76	N.A.	4.60
90-180	102.55	N.A.	4.60
110-180	50.20	N.A.	2.30
0-180	2208.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	65.84
10-20	189.24
20-30	288.57
30-40	351.30
40-50	369.75
50-60	341.75
60-70	269.40
70-80	164.94
80-90	65.59
90-100	28.55
100-110	23.80
110-120	19.60
120-130	14.64
130-140	9.40
140-150	4.77
150-160	1.61
160-170	0.19
170-180	0.00

IES INDOOR REPORT

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

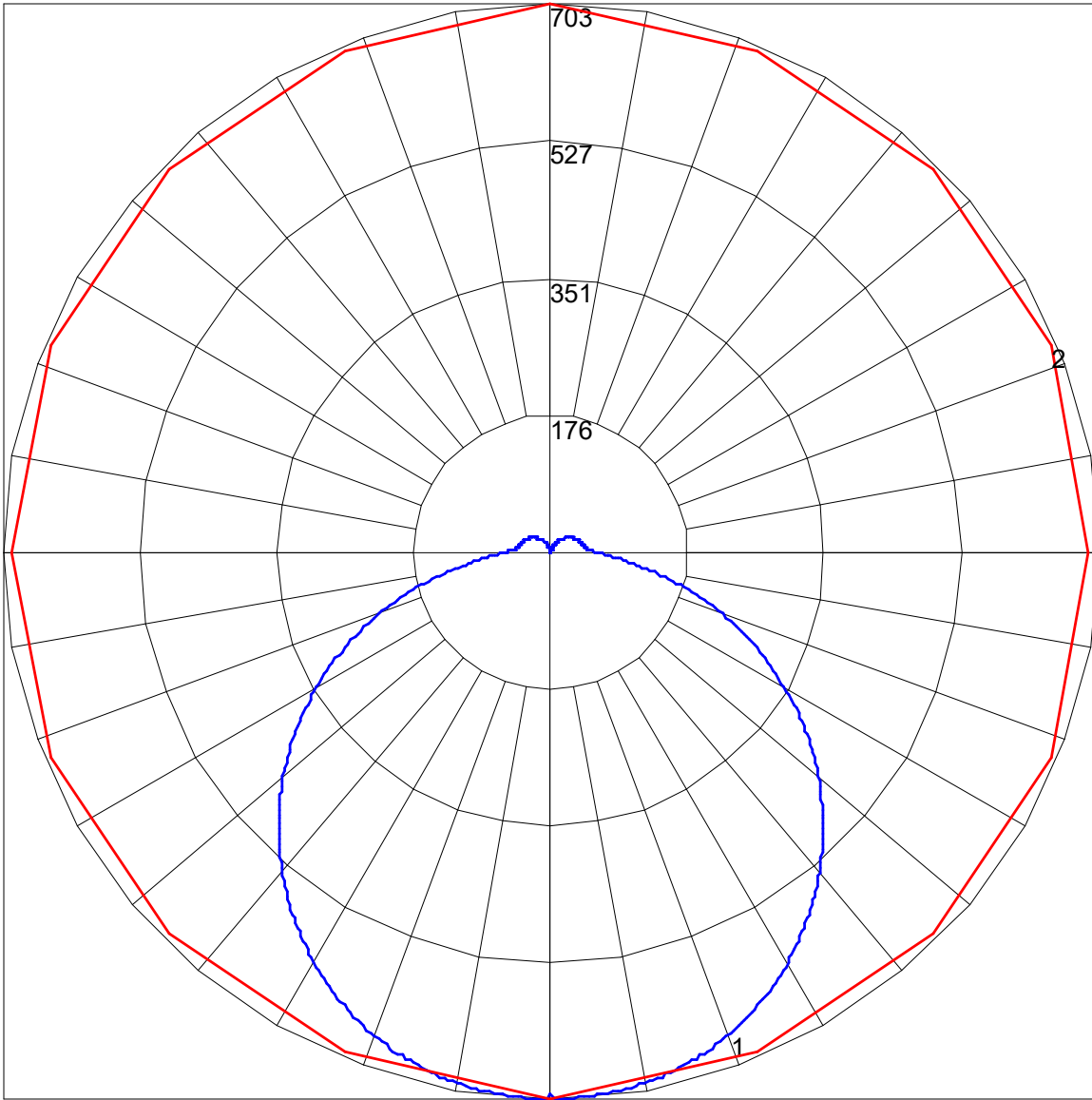
Effective Floor Cavity Reflectance 0.20

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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	95
1	107	102	97	93	104	99	95	91	94	91	88	89	87	84	85	83	81	78
2	97	88	81	75	94	86	80	74	82	76	72	78	73	69	74	70	67	65
3	88	77	69	62	85	75	68	61	72	65	60	68	63	58	65	61	56	54
4	81	68	59	52	78	67	58	52	64	56	51	61	54	49	58	53	48	46
5	74	61	52	45	72	59	51	45	57	49	44	54	48	43	52	46	42	40
6	68	55	46	39	66	54	45	39	51	44	38	49	42	37	47	41	37	34
7	63	50	41	34	61	48	40	34	47	39	34	45	38	33	43	37	32	30
8	59	45	37	31	57	44	36	30	43	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	41	33	27	39	32	27	38	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	29	24	34	28	24	22

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POLAR GRAPH



Maximum Candela = 702.7 Located At Horizontal Angle = 90, Vertical Angle = .5

1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)