



IES INDOOR REPORT
PHOTOMETRIC FILENAME : TT[U, H][F, A]48L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 12550583.02
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 11/19/2018
 [MANUFAC] Lamar Lighting Co Inc
 [LUMCAT] TT[U, H][blank, F, A]48L-30-[blank, EM]
 [LUMINAIRE] White formed steel housing, frosted lens enclosure
 [LAMP] 64 white LED's
 [BALLAST] Osram OT30W/PRG1050C/UNV/DIM/L
 [OTHER] 24.5 C, 120.018 V, 0.169348 A, 20.2241 W, 0.995047 PF, 59.9981
 [MORE] Hz
 [OTHER] This test was performed using the calibrated photodetector met
 [MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2466
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	20.2241
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.83 ft
Luminous Width (90-270)	0.40 ft
Luminous Height	0.21 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3983	3460	3580
55	3300	3008	3241
65	2623	2600	2953
75	1874	2254	2708
85	807	1999	2507

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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	757.80	757.80	757.80	757.80	757.80
0.5	779.50	763.40	752.20	750.90	749.60
1.0	779.30	763.20	752.10	750.80	749.40
1.5	779.10	763.00	751.90	750.50	749.20
2.0	778.70	762.60	751.50	750.30	749.00
2.5	778.30	762.20	751.10	750.00	748.80
3.0	777.80	761.70	750.60	749.70	748.40
3.5	777.30	761.10	750.00	749.30	748.10
4.0	776.60	760.40	749.40	748.70	747.60
4.5	775.80	759.60	748.70	748.20	747.10
5.0	775.00	758.70	748.00	747.50	746.50
5.5	774.00	757.70	747.10	746.80	745.90
6.0	773.00	756.70	746.20	746.00	745.20
6.5	771.80	755.60	745.30	745.20	744.40
7.0	770.50	754.30	744.30	744.30	743.60
7.5	769.00	753.00	743.30	743.40	742.70
8.0	767.40	751.60	742.10	742.40	741.70
8.5	765.70	750.10	740.90	741.30	740.70
9.0	763.90	748.40	739.70	740.20	739.60
9.5	762.00	746.70	738.30	739.00	738.40
10.0	759.90	744.90	736.90	737.70	737.20
10.5	757.70	743.00	735.40	736.40	735.90
11.0	755.40	741.00	733.70	735.10	734.70
11.5	753.00	738.80	732.00	733.60	733.30
12.0	750.50	736.60	730.20	732.10	732.00
12.5	747.90	734.30	728.40	730.60	730.50
13.0	745.20	731.90	726.30	728.90	729.00
13.5	742.40	729.30	724.30	727.20	727.50
14.0	739.60	726.70	722.10	725.30	725.90
14.5	736.70	723.90	719.80	723.40	724.30
15.0	733.70	721.00	717.40	721.50	722.60
15.5	730.60	718.10	715.00	719.50	720.80
16.0	727.40	715.10	712.40	717.40	719.10
16.5	724.20	711.90	709.80	715.30	717.20
17.0	720.90	708.70	707.00	713.10	715.20
17.5	717.40	705.40	704.10	710.80	713.10
18.0	713.90	702.00	701.20	708.50	710.80
18.5	710.30	698.50	698.20	706.00	708.60
19.0	706.60	695.00	695.10	703.50	706.20
19.5	702.80	691.30	692.00	701.00	703.80
20.0	698.80	687.60	688.80	698.30	701.40
20.5	694.90	683.90	685.60	695.60	698.90
21.0	690.60	680.00	682.40	692.90	696.30
21.5	686.50	676.20	679.20	690.00	693.70
22.0	682.10	672.30	675.90	687.20	691.20
22.5	678.20	668.30	672.60	684.50	688.60
23.0	673.90	664.20	669.30	681.60	686.10
23.5	669.40	660.10	666.10	678.80	683.40
24.0	664.90	656.00	662.80	676.00	680.80
24.5	660.30	651.80	659.40	673.20	678.10
25.0	655.60	647.60	656.00	670.40	675.40
25.5	650.90	643.20	652.60	667.50	672.70
26.0	646.10	638.90	649.00	664.50	670.10
26.5	641.20	634.50	645.40	661.60	667.30

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CANDELA TABULATION - (Cont.)

27.0	636.10	630.10	641.80	658.60	664.60
27.5	631.00	625.60	638.20	655.50	661.80
28.0	625.80	621.00	634.40	652.40	659.00
28.5	620.50	616.40	630.60	649.20	656.20
29.0	615.30	611.80	626.80	646.10	653.30
29.5	609.90	607.00	622.90	642.90	650.40
30.0	604.60	602.30	619.10	639.80	647.60
30.5	599.20	597.40	615.20	636.70	644.70
31.0	593.80	592.50	611.30	633.60	641.90
31.5	588.40	587.40	607.40	630.50	639.10
32.0	582.80	582.40	603.50	627.40	636.20
32.5	577.20	577.20	599.50	624.30	633.30
33.0	571.50	572.10	595.60	621.20	630.40
33.5	565.80	566.80	591.60	618.00	627.50
34.0	560.00	561.50	587.50	614.80	624.60
34.5	554.40	556.20	583.40	611.70	621.60
35.0	548.50	550.90	579.30	608.40	618.60
35.5	542.50	545.60	575.10	605.10	615.60
36.0	536.50	540.20	570.80	601.70	612.40
36.5	530.40	534.70	566.60	598.30	609.30
37.0	524.20	529.10	562.20	594.70	606.00
37.5	517.90	523.50	557.80	591.10	602.70
38.0	511.60	517.90	553.40	587.50	599.30
38.5	505.20	512.30	548.90	583.80	595.70
39.0	498.80	506.60	544.40	580.00	592.20
39.5	492.30	500.90	539.90	576.20	588.50
40.0	485.70	495.00	535.30	572.30	584.80
40.5	479.20	489.20	530.60	568.30	581.00
41.0	472.60	483.30	526.00	564.40	577.20
41.5	465.90	477.30	521.20	560.30	573.40
42.0	459.30	471.30	516.30	556.20	569.40
42.5	452.60	465.30	511.50	552.10	565.40
43.0	445.90	459.30	506.70	547.90	561.50
43.5	439.20	453.10	501.70	543.70	557.30
44.0	432.60	447.00	496.80	539.50	553.30
44.5	425.90	440.80	491.80	535.30	549.10
45.0	419.10	434.60	486.80	531.00	545.00
45.5	412.50	428.40	481.70	526.70	540.80
46.0	405.80	422.10	476.70	522.30	536.60
46.5	399.10	415.90	471.70	517.90	532.40
47.0	392.40	409.80	466.70	513.50	528.10
47.5	385.80	403.60	461.70	509.20	523.80
48.0	379.10	397.50	456.60	504.80	519.60
48.5	372.40	391.30	451.50	500.30	515.20
49.0	365.80	385.30	446.40	496.00	511.00
49.5	359.10	379.20	441.40	491.60	506.70
50.0	352.40	373.20	436.30	487.20	502.40
50.5	345.70	367.10	431.20	482.70	498.10
51.0	339.10	361.10	426.10	478.30	493.80
51.5	332.50	355.20	421.10	473.90	489.40
52.0	326.00	349.20	416.00	469.40	485.10
52.5	319.50	343.30	410.90	465.00	480.80
53.0	313.00	337.30	405.90	460.70	476.50
53.5	306.50	331.40	400.90	456.20	472.10
54.0	300.30	325.60	395.90	451.90	467.80
54.5	294.10	319.80	390.90	447.50	463.60

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CANDELA TABULATION - (Cont.)

55.0	287.90	313.90	386.00	443.10	459.20
55.5	281.60	308.10	381.00	438.70	454.90
56.0	275.60	302.40	376.10	434.40	450.60
56.5	269.60	296.60	371.30	430.10	446.40
57.0	263.60	291.00	366.40	425.70	442.10
57.5	257.80	285.40	361.60	421.40	437.80
58.0	252.00	279.80	356.70	417.10	433.60
58.5	246.20	274.30	352.00	412.80	429.50
59.0	240.50	268.70	347.20	408.50	425.20
59.5	234.80	263.30	342.40	404.30	420.90
60.0	229.10	258.00	337.70	400.00	416.80
60.5	223.40	252.70	333.00	395.70	412.50
61.0	217.90	247.40	328.30	391.40	408.20
61.5	212.30	242.20	323.60	387.20	404.00
62.0	206.80	237.00	318.90	382.90	399.90
62.5	201.30	231.90	314.20	378.60	395.60
63.0	195.90	226.80	309.60	374.40	391.40
63.5	190.50	221.70	305.00	370.20	387.30
64.0	185.20	216.70	300.40	365.90	383.10
64.5	179.90	211.80	295.90	361.70	378.80
65.0	174.70	206.90	291.40	357.50	374.60
65.5	169.50	202.00	286.90	353.30	370.60
66.0	164.40	197.10	282.50	349.10	366.30
66.5	159.30	192.30	278.10	344.90	362.20
67.0	154.40	187.60	273.70	340.80	358.10
67.5	149.50	183.00	269.40	336.70	354.10
68.0	144.60	178.30	265.20	332.60	349.80
68.5	139.90	173.80	260.90	328.50	345.80
69.0	135.10	169.30	256.70	324.50	341.70
69.5	130.50	164.90	252.50	320.40	337.70
70.0	125.90	160.50	248.30	316.40	333.50
70.5	121.40	156.10	244.20	312.30	329.50
71.0	116.90	151.90	240.10	308.20	325.40
71.5	112.40	147.60	236.00	304.30	321.30
72.0	108.00	143.50	231.90	300.30	317.20
72.5	103.60	139.30	227.90	296.20	313.00
73.0	99.27	135.30	223.90	292.20	309.00
73.5	95.01	131.30	220.00	288.20	304.90
74.0	90.76	127.40	216.10	284.20	300.90
74.5	86.55	123.50	212.20	280.30	296.90
75.0	82.32	119.70	208.30	276.30	292.90
75.5	78.26	115.80	204.60	272.30	288.90
76.0	74.24	112.10	200.80	268.50	284.90
76.5	70.28	108.50	197.10	264.60	281.00
77.0	66.33	104.90	193.50	260.80	277.20
77.5	62.54	101.40	189.80	256.90	273.20
78.0	58.82	97.99	186.30	253.10	269.30
78.5	55.16	94.62	182.70	249.40	265.50
79.0	51.61	91.34	179.20	245.60	261.70
79.5	48.16	88.09	175.70	241.80	257.80
80.0	44.75	84.96	172.30	238.10	253.90
80.5	41.46	81.87	168.90	234.40	250.20
81.0	38.26	78.86	165.50	230.70	246.40
81.5	35.10	75.86	162.20	227.00	242.40
82.0	32.05	72.99	158.90	223.30	238.60
82.5	29.13	70.12	155.60	219.60	234.90

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CANDELA TABULATION - (Cont.)

83.0	26.32	67.40	152.40	216.00	231.00
83.5	23.66	64.76	149.20	212.30	227.20
84.0	21.00	62.17	146.00	208.70	223.50
84.5	18.48	59.68	142.90	205.10	219.80
85.0	16.08	57.25	139.80	201.60	216.00
85.5	13.82	54.92	136.80	198.00	212.30
86.0	11.64	52.66	133.80	194.50	208.80
86.5	9.62	50.46	130.90	191.10	205.10
87.0	7.70	48.34	128.00	187.70	201.60
87.5	5.89	46.28	125.20	184.30	198.00
88.0	4.25	44.30	122.40	180.90	194.50
88.5	2.84	42.38	119.60	177.50	191.00
89.0	1.93	40.53	116.90	174.20	187.40
89.5	1.18	38.74	114.20	170.80	184.00
90.0	0.55	37.02	111.60	167.50	180.50
90.5	0.05	35.41	109.00	164.30	177.10
91.0	0.00	33.82	106.40	161.00	173.60
91.5	0.00	32.30	103.90	157.80	170.20
92.0	0.00	30.84	101.50	154.80	166.90
92.5	0.00	29.45	99.06	151.70	163.60
93.0	0.00	28.11	96.75	148.60	160.30
93.5	0.00	26.85	94.42	145.50	157.00
94.0	0.00	25.63	92.20	142.60	153.90
94.5	0.00	24.47	89.98	139.60	150.80
95.0	0.00	23.35	87.77	136.70	147.60
95.5	0.00	22.27	85.62	133.80	144.50
96.0	0.00	21.25	83.51	131.00	141.40
96.5	0.00	20.27	81.36	128.10	138.40
97.0	0.00	19.33	79.29	125.20	135.30
97.5	0.00	18.43	77.20	122.40	132.40
98.0	0.00	17.57	75.20	119.60	129.50
98.5	0.00	16.74	73.10	116.90	126.40
99.0	0.00	15.94	71.15	114.30	123.60
99.5	0.00	15.18	69.25	111.50	120.90
100.0	0.00	14.44	67.40	108.90	118.00
100.5	0.00	13.75	65.58	106.40	115.20
101.0	0.00	13.09	63.80	103.80	112.50
101.5	0.00	12.45	62.05	101.20	109.80
102.0	0.00	11.85	60.31	98.78	107.10
102.5	0.00	11.26	58.63	96.37	104.50
103.0	0.00	10.70	56.98	93.93	101.90
103.5	0.00	10.17	55.36	91.55	99.32
104.0	0.00	9.66	53.75	89.25	96.82
104.5	0.00	9.17	52.17	86.94	94.35
105.0	0.00	8.71	50.64	84.65	91.92
105.5	0.00	8.26	49.12	82.45	89.52
106.0	0.00	7.85	47.62	80.29	87.20
106.5	0.00	7.43	46.15	78.09	84.89
107.0	0.00	7.05	44.70	75.90	82.67
107.5	0.00	6.68	43.29	73.74	80.50
108.0	0.00	6.33	41.89	71.69	78.39
108.5	0.00	5.99	40.55	69.68	76.08
109.0	0.00	5.66	39.23	67.68	74.01
109.5	0.00	5.35	37.94	65.74	71.96
110.0	0.00	5.06	36.66	63.84	69.92
110.5	0.00	4.76	35.43	61.97	67.91

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111.0	0.00	4.50	34.21	60.12	66.05
111.5	0.00	4.24	33.02	58.30	64.17
112.0	0.00	3.98	31.86	56.54	62.25
112.5	0.00	3.74	30.73	54.82	60.46
113.0	0.00	3.51	29.62	53.13	58.72
113.5	0.00	3.28	28.55	51.45	56.93
114.0	0.00	3.06	27.52	49.88	55.17
114.5	0.00	2.84	26.50	48.30	53.54
115.0	0.00	2.63	25.52	46.75	51.96
115.5	0.00	2.43	24.57	45.26	50.33
116.0	0.00	2.23	23.64	43.80	48.74
116.5	0.00	2.04	22.74	42.36	47.27
117.0	0.00	1.85	21.88	40.93	45.80
117.5	0.00	1.68	21.03	39.56	44.34
118.0	0.00	1.51	20.20	38.24	42.93
118.5	0.00	1.34	19.39	36.91	41.56
119.0	0.00	1.19	18.62	35.62	40.23
119.5	0.00	1.03	17.87	34.38	38.92
120.0	0.00	0.88	17.13	33.18	37.64
120.5	0.00	0.73	16.41	32.00	36.39
121.0	0.00	0.59	15.73	30.85	35.18
121.5	0.00	0.45	15.07	29.75	33.99
122.0	0.00	0.33	14.42	28.67	32.81
122.5	0.00	0.24	13.80	27.62	31.71
123.0	0.00	0.14	13.19	26.59	30.63
123.5	0.00	0.07	12.60	25.60	29.52
124.0	0.00	0.04	12.03	24.64	28.46
124.5	0.00	0.01	11.48	23.68	27.47
125.0	0.00	0.00	10.94	22.76	26.49
125.5	0.00	0.00	10.42	21.88	25.49
126.0	0.00	0.00	9.90	21.04	24.56
126.5	0.00	0.00	9.40	20.19	23.68
127.0	0.00	0.00	8.91	19.38	22.76
127.5	0.00	0.00	8.44	18.61	21.88
128.0	0.00	0.00	7.97	17.85	21.06
128.5	0.00	0.00	7.52	17.12	20.26
129.0	0.00	0.00	7.08	16.41	19.46
129.5	0.00	0.00	6.66	15.73	18.68
130.0	0.00	0.00	6.24	15.05	17.96
130.5	0.00	0.00	5.84	14.39	17.23
131.0	0.00	0.00	5.45	13.75	16.53
131.5	0.00	0.00	5.07	13.15	15.84
132.0	0.00	0.00	4.71	12.54	15.19
132.5	0.00	0.00	4.36	11.96	14.54
133.0	0.00	0.00	4.03	11.41	13.92
133.5	0.00	0.00	3.70	10.87	13.31
134.0	0.00	0.00	3.40	10.34	12.72
134.5	0.00	0.00	3.11	9.83	12.16
135.0	0.00	0.00	2.83	9.33	11.59
135.5	0.00	0.00	2.55	8.84	11.04
136.0	0.00	0.00	2.29	8.36	10.53
136.5	0.00	0.00	2.04	7.90	10.03
137.0	0.00	0.00	1.80	7.45	9.51
137.5	0.00	0.00	1.56	7.00	9.01
138.0	0.00	0.00	1.33	6.56	8.54
138.5	0.00	0.00	1.11	6.14	8.08

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CANDELA TABULATION - (Cont.)

139.0	0.00	0.00	0.89	5.74	7.60
139.5	0.00	0.00	0.69	5.33	7.15
140.0	0.00	0.00	0.54	4.94	6.72
140.5	0.00	0.00	0.40	4.56	6.28
141.0	0.00	0.00	0.27	4.20	5.86
141.5	0.00	0.00	0.19	3.83	5.45
142.0	0.00	0.00	0.11	3.48	5.05
142.5	0.00	0.00	0.05	3.15	4.66
143.0	0.00	0.00	0.01	2.82	4.28
143.5	0.00	0.00	0.00	2.50	3.92
144.0	0.00	0.00	0.00	2.20	3.58
144.5	0.00	0.00	0.00	1.90	3.23
145.0	0.00	0.00	0.00	1.62	2.90
145.5	0.00	0.00	0.00	1.34	2.58
146.0	0.00	0.00	0.00	1.08	2.27
146.5	0.00	0.00	0.00	0.82	1.97
147.0	0.00	0.00	0.00	0.62	1.68
147.5	0.00	0.00	0.00	0.44	1.40
148.0	0.00	0.00	0.00	0.32	1.13
148.5	0.00	0.00	0.00	0.21	0.85
149.0	0.00	0.00	0.00	0.11	0.59
149.5	0.00	0.00	0.00	0.02	0.43
150.0	0.00	0.00	0.00	0.00	0.31
150.5	0.00	0.00	0.00	0.00	0.19
151.0	0.00	0.00	0.00	0.00	0.07
151.5	0.00	0.00	0.00	0.00	0.00
152.0	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00
153.0	0.00	0.00	0.00	0.00	0.00
153.5	0.00	0.00	0.00	0.00	0.00
154.0	0.00	0.00	0.00	0.00	0.00
154.5	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00
155.5	0.00	0.00	0.00	0.00	0.00
156.0	0.00	0.00	0.00	0.00	0.00
156.5	0.00	0.00	0.00	0.00	0.00
157.0	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00
158.0	0.00	0.00	0.00	0.00	0.00
158.5	0.00	0.00	0.00	0.00	0.00
159.0	0.00	0.00	0.00	0.00	0.00
159.5	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00
160.5	0.00	0.00	0.00	0.00	0.00
161.0	0.00	0.00	0.00	0.00	0.00
161.5	0.00	0.00	0.00	0.00	0.00
162.0	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00
163.0	0.00	0.00	0.00	0.00	0.00
163.5	0.00	0.00	0.00	0.00	0.00
164.0	0.00	0.00	0.00	0.00	0.00
164.5	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00
165.5	0.00	0.00	0.00	0.00	0.00
166.0	0.00	0.00	0.00	0.00	0.00
166.5	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00
168.0	0.00	0.00	0.00	0.00	0.00
168.5	0.00	0.00	0.00	0.00	0.00
169.0	0.00	0.00	0.00	0.00	0.00
169.5	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00
170.5	0.00	0.00	0.00	0.00	0.00
171.0	0.00	0.00	0.00	0.00	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
PHOTOMETRIC FILENAME : TT[U, H][F, A]48L-30.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	275.11	N.A.	11.20
0-30	579.16	N.A.	23.50
0-40	942.20	N.A.	38.20
0-60	1654.92	N.A.	67.10
0-80	2145.19	N.A.	87.00
0-90	2286.52	N.A.	92.70
10-90	2214.94	N.A.	89.80
20-40	667.09	N.A.	27.00
20-50	1040.23	N.A.	42.20
40-70	993.15	N.A.	40.30
60-80	490.27	N.A.	19.90
70-80	209.83	N.A.	8.50
80-90	141.33	N.A.	5.70
90-110	139.16	N.A.	5.60
90-120	164.68	N.A.	6.70
90-130	175.53	N.A.	7.10
90-150	179.75	N.A.	7.30
90-180	179.75	N.A.	7.30
110-180	40.59	N.A.	1.60
0-180	2466.26	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	71.58
10-20	203.53
20-30	304.05
30-40	363.04
40-50	373.14
50-60	339.58
60-70	280.44
70-80	209.83
80-90	141.33
90-100	88.35
100-110	50.81
110-120	25.52
120-130	10.86
130-140	3.64
140-150	0.58
150-160	0.00
160-170	0.00
170-180	0.00

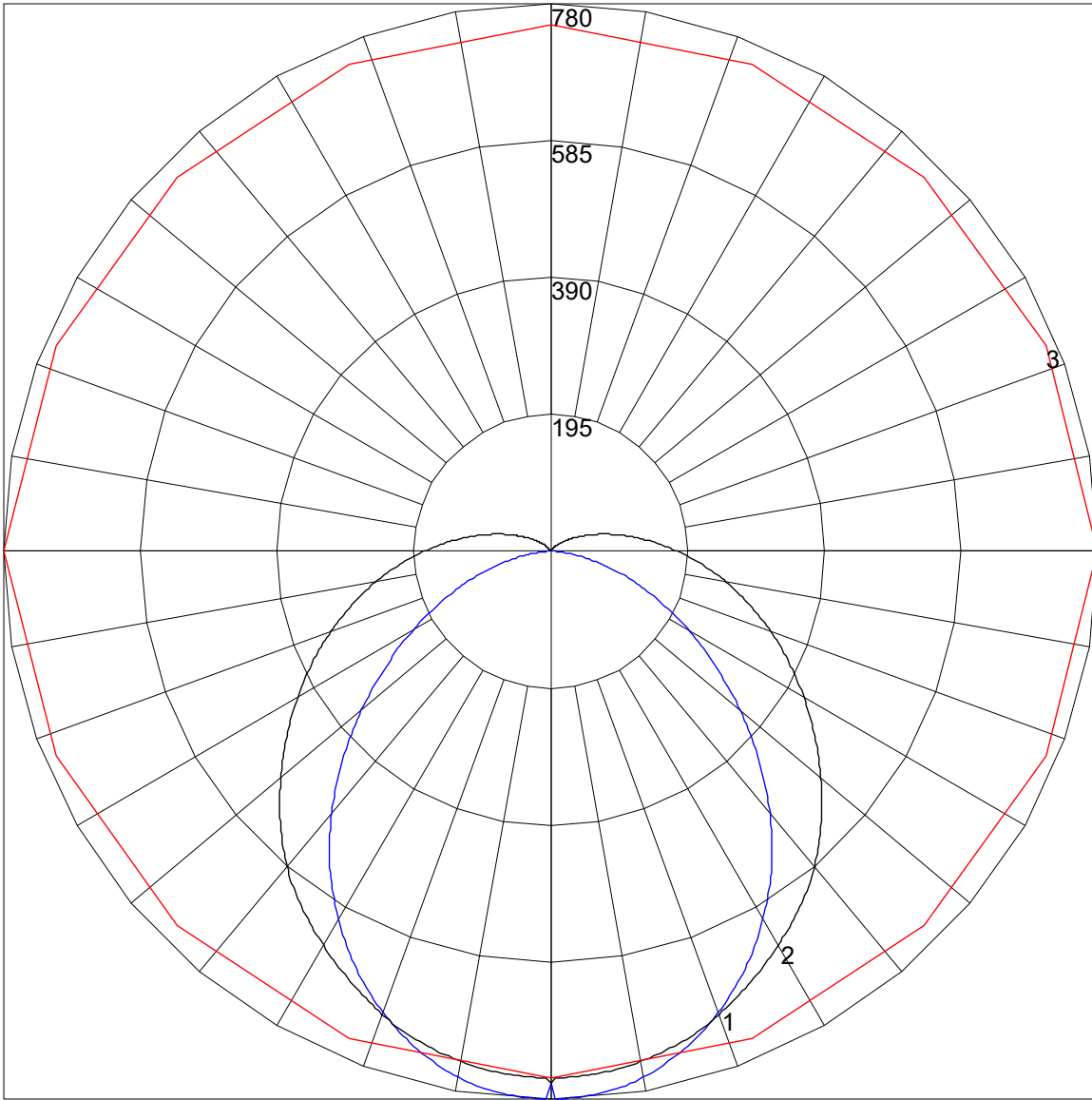
IES INDOOR REPORT
PHOTOMETRIC FILENAME : TT[U, H][F, A]48L-30.IES

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	76	74
2	95	86	79	72	92	84	77	71	79	73	68	74	70	66	70	66	63	60
3	87	75	67	60	83	73	65	59	69	62	57	65	60	55	62	57	53	50
4	79	67	57	50	76	65	56	50	61	54	48	58	52	47	55	50	45	43
5	73	59	50	43	70	58	49	43	55	47	41	52	46	40	49	44	39	37
6	67	53	44	38	65	52	43	37	49	42	36	47	40	35	45	39	34	32
7	62	48	39	33	60	47	39	33	45	38	32	43	36	31	41	35	31	28
8	58	44	35	30	56	43	35	29	41	34	29	39	33	28	38	32	27	25
9	54	40	32	27	52	40	32	26	38	31	26	36	30	25	35	29	25	23
10	51	37	29	24	49	37	29	24	35	28	23	34	27	23	32	27	22	21

POLAR GRAPH



Maximum Candela = 779.5 Located At Horizontal Angle = 0, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)