



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 155(SW)-48LED48DMVOA40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 555MW48LS48W6000LDMV40KWH
 [TESTDATE] 17-Oct-2017 06:50:24
 [TESTLAB] Radiant Vision Systems ProSource
 [ISSUE DATE] 10/17/2017 7:51:13 AM
 [MANUFAC] TEXAS FLUORESCENTS
 [LAMP] LED Module
 [_TOTALLUMINAIRELUMENS] 3569.8
 [_NUMBEROFRAYS]10000000
 [DRIVER TYPE] (1) OSRAM OT50W
 [BOARD TYPE] (4) PHILIPS "S" BOARDS
 [COLOR TEMP] 4,047 CCT
 [LUMEN/WATT] 75 LM/WT
 [CRI] 85.1
 [OTHER] Absolute Photometry measurement

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3570
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	48.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.56
Spacing Criterion (Diagonal)	1.60
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.23 m
Luminous Width (90-270)	0.11 m
Luminous Height	0.11 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5433	4309	4275
55	4996	3903	3961
65	4402	3526	3612
75	3445	3006	3178
85	1341	2513	2892

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CANDELA TABULATION

	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
0	828.42	828.42	828.42	828.42	828.42	828.42	828.42	828.42	828.42	828.42
3	832.79	833.13	833.62	833.45	833.95	834.12	834.04	833.98	833.91	833.67
6	833.72	834.72	836.53	838.14	839.42	840.52	841.27	842.22	842.98	843.40
9	823.62	825.88	831.67	835.98	840.16	842.59	845.31	848.70	851.80	853.52
12	809.60	813.85	822.17	831.28	837.58	841.09	845.60	853.25	860.14	862.94
15	799.24	802.96	813.27	825.49	834.67	841.16	849.10	860.05	869.07	870.89
18	787.48	791.40	801.02	819.26	832.78	843.48	856.07	869.64	875.52	874.81
21	768.51	773.93	788.49	812.71	830.93	843.73	859.33	873.99	876.27	873.48
24	746.26	755.42	775.31	799.13	823.25	840.59	858.53	872.66	873.90	872.87
27	725.49	739.15	760.61	784.94	812.12	833.52	853.57	865.59	872.86	877.16
30	704.28	720.59	747.44	769.65	797.08	822.09	844.10	855.29	870.81	876.95
33	679.83	696.31	728.46	753.24	783.22	810.70	833.43	845.70	865.99	863.90
36	652.32	668.26	704.13	737.34	772.30	797.23	823.43	840.36	857.29	847.48
39	623.03	638.97	679.26	715.63	755.77	781.44	809.84	831.74	841.58	837.88
42	594.22	609.21	647.77	691.46	735.19	763.77	792.09	816.34	821.22	830.47
45	566.56	579.80	617.47	667.19	712.48	747.69	771.68	798.88	804.69	818.26
48	533.54	550.91	593.76	644.05	690.64	729.59	750.16	780.73	790.76	800.24
51	490.67	520.62	564.19	615.06	661.85	702.37	727.92	757.49	773.66	777.61
54	448.33	480.73	534.88	577.26	623.46	669.24	703.95	731.26	748.65	754.04
57	415.48	440.96	499.31	546.24	595.59	637.33	681.27	704.82	719.86	731.96
60	380.77	406.18	458.47	509.86	569.35	609.25	654.28	679.04	688.70	706.64
63	333.22	366.28	421.89	472.85	533.97	579.56	620.76	651.41	656.57	673.80
66	283.51	315.22	381.42	439.74	498.73	549.39	582.40	618.97	621.91	637.79
69	243.17	270.24	344.77	397.79	459.96	513.54	544.82	584.07	588.86	603.26
72	205.20	233.55	303.47	358.66	423.59	472.44	509.09	548.27	559.09	567.26
75	160.97	193.52	256.34	321.35	380.20	435.99	472.60	508.45	525.57	526.91
78	114.15	149.86	214.75	285.78	343.10	395.65	437.80	465.06	489.16	486.83
81	76.91	113.56	186.99	256.20	313.92	358.73	407.10	434.75	457.59	456.82
84	39.99	83.30	152.37	222.52	273.96	320.38	377.80	403.42	425.72	431.57
87	15.98	56.02	129.68	198.18	255.16	300.55	352.01	386.70	401.41	408.94
90	3.30	42.93	115.48	186.33	241.81	289.59	335.50	378.95	384.80	391.24
93	0.44	18.55	51.96	85.20	98.50	129.82	145.98	181.89	157.97	169.15
96	0.04	1.87	3.93	4.03	7.68	8.04	11.64	18.31	18.28	10.87
99	0.02	0.39	1.38	1.44	1.41	1.34	1.93	1.82	3.76	0.65
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles
Angles

	<u>100</u>	<u>110</u>	<u>120</u>	<u>130</u>	<u>140</u>	<u>150</u>	<u>160</u>	<u>170</u>	<u>180</u>	<u>190</u>
0	828.42	828.42	828.42	828.42	828.42	828.42	828.42	828.42	828.42	828.42
3	833.62	833.33	832.95	832.48	831.65	830.74	830.12	829.35	828.82	828.56
6	843.53	843.03	841.83	840.33	838.17	835.73	833.19	831.15	829.99	829.54
9	852.89	850.74	847.65	843.61	838.69	832.56	829.09	826.19	826.09	826.32
12	860.25	854.42	848.55	843.35	835.31	824.57	817.31	815.20	816.41	818.15
15	866.53	857.58	851.01	846.70	835.84	820.19	808.80	802.93	802.30	804.75
18	871.45	862.62	851.99	846.31	833.45	816.04	802.12	793.44	787.66	791.62
21	875.82	868.13	850.09	839.96	826.34	807.15	792.79	781.72	775.39	777.54
24	879.93	874.53	850.93	835.82	817.99	795.29	778.94	765.14	762.06	762.23
27	880.66	872.73	849.24	830.09	809.05	783.08	757.76	742.80	743.94	744.56
30	873.67	863.97	843.53	822.14	797.53	768.19	734.58	715.95	722.55	722.42
33	859.43	856.56	837.41	816.07	789.56	757.59	711.51	688.78	699.51	694.35
36	846.57	851.83	825.93	800.64	774.99	746.64	693.31	661.13	671.44	662.38
39	836.98	838.71	806.46	777.02	746.19	719.03	676.57	632.85	636.12	631.93
42	823.84	817.10	789.64	759.61	724.87	685.46	651.45	604.03	600.54	602.88
45	806.73	797.50	774.13	747.84	711.31	652.87	620.71	576.26	570.83	574.12
48	788.70	775.89	752.66	725.46	691.35	629.25	588.60	547.25	540.63	545.12
51	769.56	749.09	730.53	697.99	655.40	610.87	550.38	515.96	503.01	518.34
54	745.06	726.92	709.57	677.21	616.07	577.93	518.65	478.67	461.02	486.84
57	719.43	705.98	682.97	648.81	590.84	537.59	483.46	441.86	419.31	449.46
60	693.10	678.15	647.98	610.48	564.17	495.64	448.98	404.61	378.30	407.98
63	666.65	644.90	616.54	574.33	521.90	462.30	419.48	364.67	337.18	367.02
66	635.47	610.59	582.75	541.18	484.05	433.83	377.11	320.29	294.59	323.75
69	597.38	577.81	541.40	502.80	452.55	392.21	333.76	277.08	249.66	279.66
72	559.18	543.29	504.51	463.85	422.32	354.40	293.07	234.73	204.09	235.22
75	524.23	503.60	470.55	428.21	378.48	316.42	251.49	189.89	159.72	191.58
78	492.68	463.70	433.30	389.02	340.04	281.97	212.25	144.75	116.48	149.83
81	458.88	433.10	394.76	348.67	302.57	244.38	175.40	100.58	71.16	108.07
84	428.28	405.09	365.92	318.58	267.93	216.26	142.19	75.00	38.65	80.82
87	403.70	380.98	337.63	304.77	248.47	186.58	119.60	50.61	14.56	55.41
90	397.72	359.15	328.96	287.90	229.49	171.86	108.41	39.94	4.36	44.96
93	166.75	196.05	167.95	156.37	119.98	100.87	68.56	21.00	0.87	25.06
96	23.54	19.95	17.65	19.41	15.65	11.30	9.68	3.31	0.10	4.49
99	5.86	1.37	0.93	0.77	0.73	0.13	0.09	0.93	0.00	1.51
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>200</u>	<u>210</u>	<u>220</u>	<u>230</u>	<u>240</u>	<u>250</u>	<u>260</u>	<u>270</u>	<u>280</u>	<u>290</u>
0	828.42	828.42	828.42	828.42	828.42	828.42	828.42	828.42	828.42	828.42
3	828.54	828.55	828.91	829.42	829.88	830.36	830.80	831.08	831.45	831.67
6	829.79	830.70	832.03	833.64	835.37	837.29	838.62	839.32	839.31	838.59
9	828.04	829.86	833.03	836.29	840.41	844.59	847.83	849.43	848.54	845.88
12	821.52	826.62	832.53	838.04	843.94	850.83	855.82	857.97	856.71	852.16
15	812.81	822.93	833.51	843.14	851.70	859.02	862.58	862.84	862.67	857.92
18	801.81	818.26	832.58	847.48	860.64	868.92	868.69	867.02	867.98	863.47
21	789.36	809.68	826.00	843.10	861.73	871.18	872.04	872.80	872.75	864.87
24	773.02	793.02	812.05	831.74	855.22	866.18	870.59	875.08	873.89	865.23
27	752.44	778.47	801.79	820.31	846.73	861.67	868.72	869.42	871.99	864.36
30	732.69	765.62	796.07	814.35	839.33	858.42	867.26	861.50	869.06	859.27
33	711.67	754.66	789.65	809.63	832.43	852.53	861.62	857.09	863.88	848.71
36	693.19	742.97	776.20	796.69	822.15	844.80	851.41	852.19	854.70	837.46
39	678.35	719.94	751.94	779.06	807.54	831.46	839.66	841.92	843.91	824.13
42	657.97	691.73	730.30	767.13	794.73	812.35	825.06	827.90	830.39	805.58
45	629.26	661.11	711.98	757.47	780.78	794.62	808.42	812.56	813.00	786.95
48	593.63	636.29	692.27	732.37	758.80	775.67	791.49	794.96	793.32	770.76
51	550.90	616.50	663.83	699.11	733.23	752.97	771.82	773.88	774.32	752.09
54	519.09	583.04	628.74	674.13	708.35	734.32	745.56	750.35	752.19	729.45
57	486.85	544.00	596.83	647.74	681.20	713.20	720.10	725.45	725.58	702.72
60	455.01	504.48	560.49	616.02	647.76	681.61	694.66	698.27	693.99	671.68
63	425.60	471.94	517.75	583.98	616.68	648.32	666.76	667.93	662.90	638.65
66	381.55	438.89	483.58	548.54	582.62	614.98	635.39	635.95	631.16	606.57
69	337.24	391.73	450.82	505.89	542.94	578.70	602.89	603.78	596.94	574.89
72	297.50	353.81	418.64	467.49	506.29	542.14	569.83	570.15	561.93	538.76
75	258.05	319.69	378.42	436.03	469.52	504.45	529.86	533.88	523.34	498.19
78	218.42	284.49	341.69	397.41	432.59	464.33	487.36	496.50	485.38	459.74
81	181.29	245.33	301.27	348.24	393.85	426.99	446.86	458.06	448.20	431.38
84	147.65	218.67	272.57	318.71	373.90	406.24	422.33	429.75	425.69	406.58
87	123.46	199.68	252.11	302.44	352.21	383.39	401.17	412.43	406.26	381.70
90	117.06	183.36	245.38	302.90	336.58	375.12	387.58	404.63	396.77	378.49
93	76.64	123.98	153.66	194.30	220.99	261.77	230.93	241.21	225.55	245.93
96	11.92	15.10	24.10	28.58	30.38	36.19	33.14	24.50	28.17	34.81
99	0.18	0.22	1.46	1.58	3.30	5.72	9.46	3.71	6.97	6.94
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 155(SW)-48LED48DMVOA40.IES

CANDELA TABULATION - (Cont.)

108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles
Angles

	<u>300</u>	<u>310</u>	<u>320</u>	<u>330</u>	<u>340</u>	<u>350</u>	<u>360</u>
0	828.42	828.42	828.42	828.42	828.42	828.42	828.42
3	831.87	832.09	832.18	832.03	832.59	832.61	832.79
6	837.40	836.32	835.25	834.38	833.67	833.15	833.72
9	842.04	837.94	834.26	829.78	826.63	823.15	823.62
12	845.13	838.77	832.41	824.31	816.00	810.38	809.60
15	848.34	839.28	829.15	817.45	806.70	799.85	799.24
18	848.08	835.10	821.82	807.19	794.20	789.39	787.48
21	845.09	831.85	817.87	798.00	783.38	774.05	768.51
24	847.14	834.90	815.96	790.26	774.71	757.23	746.26
27	848.88	833.30	807.91	780.11	761.31	739.87	725.49
30	844.04	822.05	790.97	766.02	743.47	717.98	704.28
33	835.80	811.26	778.32	753.59	720.51	691.36	679.83
36	825.04	796.22	765.60	737.67	694.41	662.87	652.32
39	808.05	777.42	744.95	707.66	668.01	634.16	623.03
42	788.78	759.58	725.76	681.11	637.79	603.38	594.22
45	770.98	743.13	703.41	656.92	609.01	569.76	566.56
48	753.33	722.80	679.27	631.75	582.21	537.35	533.54
51	731.00	697.02	653.42	602.75	550.51	509.52	490.67
54	702.93	668.99	622.29	565.03	524.37	476.33	448.33
57	674.04	636.63	595.35	533.10	492.28	437.21	415.48
60	641.94	604.18	564.82	499.34	451.42	398.08	380.77
63	611.82	571.32	526.65	466.07	414.04	359.76	333.22
66	578.30	537.76	491.21	433.72	373.79	315.51	283.51
69	538.89	502.50	453.90	390.40	337.84	271.83	243.17
72	504.91	466.65	419.13	350.59	297.07	230.61	205.20
75	473.28	430.07	376.28	313.37	250.88	187.78	160.97
78	436.08	388.22	337.18	277.58	209.49	144.16	114.15

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

81	397.23	351.84	305.08	247.77	183.23	110.07	76.91
84	372.47	324.96	272.07	214.79	148.20	78.09	39.99
87	355.34	309.81	255.42	189.95	123.57	51.58	15.98
90	328.92	296.94	238.78	183.28	108.80	40.99	3.30
93	195.56	170.10	127.49	98.27	59.43	17.49	0.44
96	23.93	16.27	15.50	7.56	5.21	2.17	0.04
99	6.32	4.02	2.80	3.06	1.86	0.57	0.02
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	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	256.97	N.A.	7.20
0-30	694.37	N.A.	19.40
0-40	1128.68	N.A.	31.60
0-60	2282.69	N.A.	63.90
0-80	3115.41	N.A.	87.30
0-90	3482.17	N.A.	97.50
10-90	3417.53	N.A.	95.70
20-40	871.71	N.A.	24.40
20-50	1359.51	N.A.	38.10
40-70	1609.65	N.A.	45.10
60-80	832.71	N.A.	23.30
70-80	377.07	N.A.	10.60
80-90	366.76	N.A.	10.30
90-110	88.25	N.A.	2.50
90-120	88.25	N.A.	2.50
90-130	88.25	N.A.	2.50
90-150	88.25	N.A.	2.50
90-180	88.25	N.A.	2.50
110-180	0.00	N.A.	0.00
0-180	3570.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	64.64
10-20	192.33
20-30	437.40
30-40	434.31
40-50	487.80
50-60	666.21
60-70	455.64
70-80	377.07
80-90	366.76
90-100	87.87
100-110	0.38
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

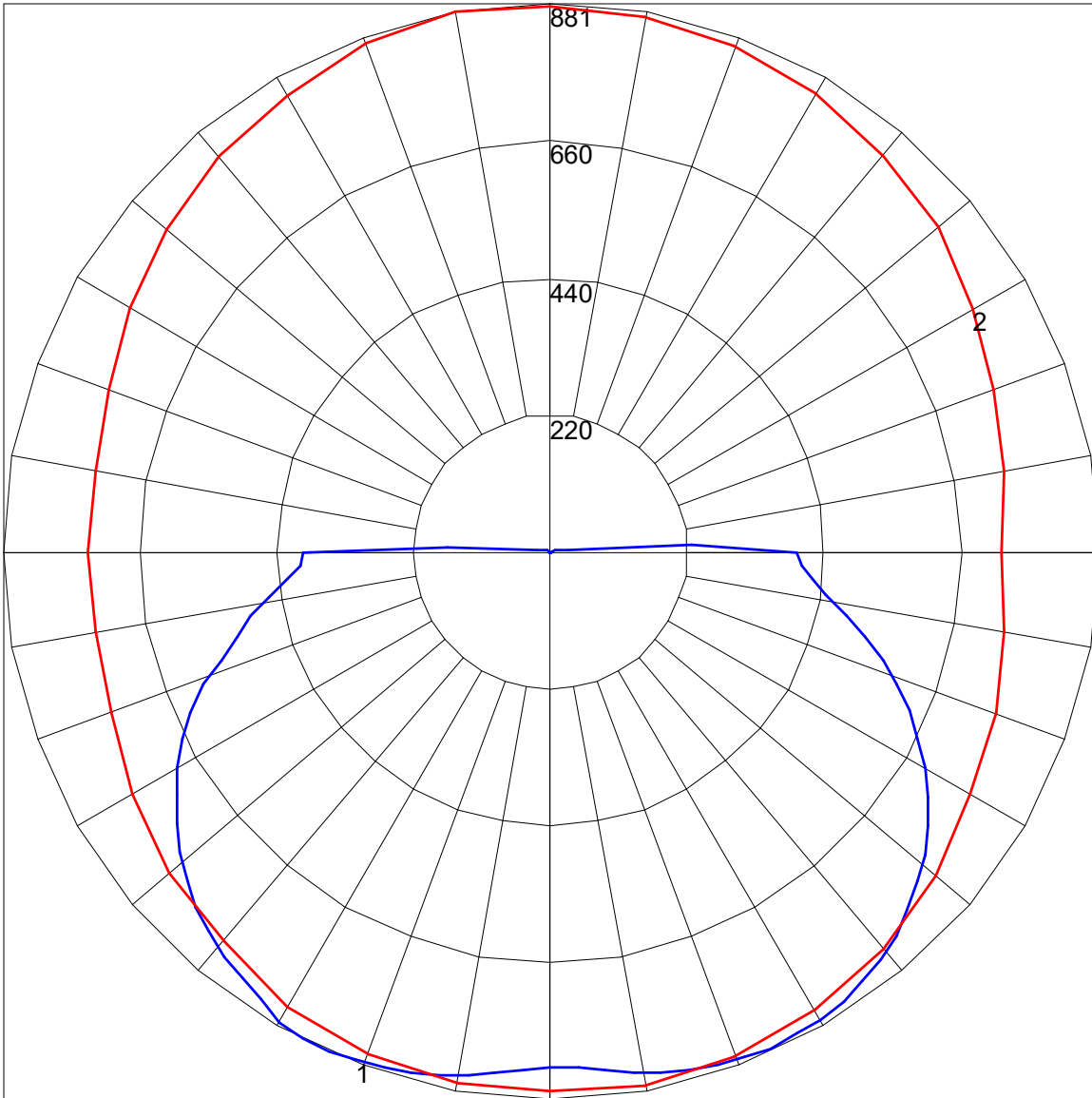
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 155(SW)-48LED48DMVOA40.IES

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		118	118	118	118	115	115	115	115	110	110	110	105	105	105	100	100	100	98
1		104	97	91	86	101	95	89	84	90	85	81	85	82	78	81	78	75	73
2		93	83	74	67	90	81	73	66	76	70	64	73	67	62	69	64	60	58
3		84	71	62	54	81	70	61	53	66	58	52	63	56	51	60	54	49	47
4		76	62	52	45	73	61	51	44	58	50	43	55	48	42	53	46	41	39
5		70	55	45	38	67	54	44	37	51	43	36	49	42	36	47	40	35	33
6		64	49	39	32	62	48	39	32	46	38	31	44	36	31	42	35	30	28
7		59	44	35	28	57	43	34	28	41	33	27	40	32	27	38	32	26	24
8		55	40	31	25	53	39	31	24	38	30	24	36	29	24	35	28	23	21
9		51	37	28	22	49	36	27	22	35	27	21	33	26	21	32	26	21	19
10		48	34	25	20	46	33	25	19	32	24	19	31	24	19	30	23	19	17

POLAR GRAPH



Maximum Candela = 880.66 Located At Horizontal Angle = 100, Vertical Angle = 27
1 - Vertical Plane Through Horizontal Angles (100 - 280) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (27) (Through Max. Cd.)