



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 155(SW)-48LED30DMVOA40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 155(SW)-48LED30DMVOA40
 [TESTDATE] 13-Oct-2017 09:32:54
 [TESTLAB] Radiant Vision Systems ProSource
 [ISSUE DATE] 10/13/2017 11:54:28 AM
 [MANUFAC] MOBERN LIGHTING CO.
 [LAMP] LED Module
 [_TOTALLUMINAIRELUMENS] 2423.7
 [_NUMBEROFRAYS]10000000
 [DRIVER TYPE] (1) OSRAM DRIVER OT30W
 [BOARD TYPE] (4) LUMA SMART "S"
 [COLOR TEMP] 4,204 CCT
 [LUMEN/WATT] 81 LM/WT
 [CRI] 85.0
 [OTHER] Absolute Photometry measurement

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2424
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	30.1
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)	1.22 m
Luminous Width (90-270)	0.13 m
Luminous Height	0.11 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3149	2662	2694
55	2851	2471	2545
65	2564	2238	2358
75	1966	1970	2127
85	815	1687	1954

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PHOTOMETRIC FILENAME : 155(SW)-48LED30DMVOA40.IES

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	567.21	567.21	567.21	567.21	567.21	567.21	567.21	567.21	567.21	567.21
3	567.52	567.67	567.78	567.93	567.93	567.78	567.49	567.12	566.71	566.33
6	564.27	564.83	566.37	567.77	568.75	569.34	569.33	569.01	568.58	567.95
9	558.38	558.96	562.14	565.18	569.13	571.80	573.83	575.40	576.44	576.58
12	550.86	551.42	554.78	560.43	566.79	571.54	575.77	580.88	585.14	586.43
15	542.34	543.55	548.56	555.84	564.09	571.18	576.70	583.37	589.53	591.18
18	531.83	536.07	542.24	551.94	561.88	570.91	577.89	585.06	590.69	592.78
21	518.84	525.74	535.24	546.72	559.48	569.83	578.18	584.64	589.52	594.42
24	506.20	513.67	525.60	537.42	555.33	568.90	579.48	584.03	587.89	595.55
27	495.91	499.77	512.67	529.62	550.64	565.39	579.09	585.20	588.84	594.91
30	483.03	483.35	502.08	521.59	541.48	556.72	572.65	584.52	589.82	592.06
33	463.08	468.04	489.80	511.38	531.37	549.13	562.57	579.28	586.06	587.04
36	440.07	454.21	473.44	499.73	522.89	543.86	555.55	572.92	578.75	580.88
39	419.14	437.61	456.10	484.24	510.84	535.47	549.82	565.17	571.37	574.48
42	401.32	416.53	436.63	468.75	497.95	521.00	539.64	553.55	562.26	567.14
45	385.12	392.97	419.25	451.41	485.43	507.40	525.68	540.81	550.44	557.96
48	363.54	370.85	403.64	432.28	469.28	492.24	510.67	528.67	537.42	546.84
51	331.98	351.68	382.60	411.69	448.48	474.93	496.00	514.08	524.92	533.69
54	300.37	328.05	363.24	389.50	427.91	459.46	481.80	497.37	510.48	517.77
57	277.92	301.38	339.56	370.68	410.70	439.65	466.26	479.33	494.93	498.76
60	256.41	275.39	310.12	346.62	386.87	416.80	445.59	460.48	477.04	478.67
63	226.79	248.16	284.23	322.06	359.08	396.10	423.56	440.38	455.69	459.15
66	194.39	216.30	256.60	300.11	337.39	374.49	399.18	418.53	430.53	437.95
69	165.83	186.13	231.60	271.03	314.17	349.59	372.66	396.48	407.00	413.05
72	138.27	159.79	204.35	243.62	289.63	325.52	348.48	374.37	386.38	387.22
75	107.93	131.41	174.40	218.52	260.09	301.45	324.65	349.28	362.03	363.25
78	76.94	101.33	146.87	194.39	233.91	271.60	299.70	320.93	334.98	339.28
81	52.61	76.58	127.27	173.60	212.73	248.19	277.44	300.82	313.27	316.37
84	28.48	56.40	101.59	149.65	186.80	223.48	255.16	279.57	292.62	293.75
87	11.67	39.03	83.00	130.04	169.67	208.94	238.93	262.64	279.77	277.37
90	3.02	29.47	73.88	117.79	159.88	200.89	225.63	244.22	264.68	276.15
93	0.20	11.47	35.29	58.32	69.66	86.33	97.16	123.34	104.83	113.11
96	0.02	1.30	2.51	2.64	5.52	5.60	8.00	12.21	11.51	8.08
99	0.01	0.28	0.87	1.04	0.93	0.95	1.30	1.22	2.19	0.51
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
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

	100	110	120	130	140	150	160	170	180	190
0	567.21	567.21	567.21	567.21	567.21	567.21	567.21	567.21	567.21	567.21
3	565.94	565.56	565.15	564.66	564.16	564.00	563.23	563.21	563.25	563.34
6	567.46	566.95	566.22	565.33	564.04	562.38	560.46	558.82	558.51	559.12
9	575.31	573.34	571.24	569.24	566.95	563.33	559.82	556.58	555.58	556.62
12	583.59	578.41	573.54	570.63	567.54	562.85	557.68	554.07	552.82	554.04
15	587.45	580.51	575.32	571.72	566.50	559.27	552.36	548.03	547.67	549.17
18	589.94	584.23	579.55	574.10	564.39	553.92	543.94	539.75	538.24	541.61
21	594.28	588.59	582.18	573.72	561.03	547.39	536.03	528.81	524.03	528.37
24	597.18	590.05	579.41	569.12	554.12	536.97	526.54	516.86	509.37	513.35
27	593.98	585.42	574.28	563.22	548.72	528.02	512.14	502.53	498.05	499.39
30	588.24	580.96	572.37	559.09	543.26	520.16	498.33	485.02	486.91	484.09
33	585.25	578.79	571.06	554.33	535.91	512.34	484.40	468.05	472.03	467.90
36	582.64	574.76	563.13	542.86	524.37	503.39	470.12	450.16	453.33	450.61
39	574.59	565.53	549.15	527.77	506.21	487.54	457.16	428.46	431.94	431.19
42	561.67	553.15	537.85	515.85	490.72	467.01	440.73	405.25	409.67	409.89
45	549.00	541.13	527.09	506.44	479.27	444.23	421.10	384.85	387.81	388.75
48	536.91	527.06	512.69	492.44	467.99	426.53	399.58	366.22	365.05	368.00
51	523.32	510.61	498.23	476.37	447.81	412.14	374.24	348.57	339.86	349.24
54	506.83	496.14	484.02	462.24	419.94	387.53	350.45	327.58	312.58	327.60
57	491.21	480.18	466.86	442.48	399.35	361.50	324.22	302.69	284.15	302.28
60	473.94	461.37	445.32	416.45	381.74	338.01	303.03	274.27	255.90	274.36
63	453.41	443.26	423.51	391.89	357.33	318.78	286.02	245.64	228.52	247.04
66	431.70	421.76	399.81	369.93	331.96	298.39	258.55	215.80	200.07	218.20
69	411.79	395.09	374.84	344.31	306.99	269.29	228.86	186.41	168.85	187.73
72	391.20	370.07	349.98	318.67	286.03	243.24	200.68	157.52	136.93	156.56
75	364.10	346.52	322.29	297.85	258.98	217.06	171.69	128.53	106.63	127.08
78	334.94	319.95	295.48	273.89	233.44	192.35	144.31	99.74	77.69	99.78
81	312.06	296.81	270.63	244.36	205.71	167.27	118.92	69.45	47.96	71.72
84	296.80	276.98	254.57	219.33	184.53	148.38	97.22	50.68	25.57	53.74
87	274.58	258.38	233.55	208.38	170.37	128.62	84.62	35.56	10.35	38.14
90	263.99	250.57	222.30	191.22	161.68	116.77	73.20	28.86	3.26	29.73
93	110.53	129.04	110.33	107.10	80.99	72.43	47.28	14.13	0.36	17.02
96	15.68	13.51	11.95	13.00	10.57	8.08	6.80	2.31	0.06	2.88
99	3.79	0.96	0.63	0.50	0.54	0.07	0.06	0.61	0.00	1.00
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 155(SW)-48LED30DMVOA40.IES

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	567.21	567.21	567.21	567.21	567.21	567.21	567.21	567.21	567.21	567.21
3	563.47	564.28	564.47	564.88	565.19	565.39	565.53	565.70	565.86	566.09
6	561.04	563.12	564.73	565.71	565.98	565.83	565.62	565.59	565.95	566.34
9	560.09	563.83	567.49	569.06	569.23	569.25	569.88	571.07	572.31	573.09
12	557.80	563.59	568.72	571.10	571.63	573.24	576.14	579.16	581.47	581.81
15	554.01	561.66	569.95	574.64	576.69	579.81	583.68	585.78	587.39	586.27
18	546.70	556.45	566.93	576.18	581.88	587.89	590.18	589.91	590.12	587.47
21	537.22	548.04	559.54	570.69	580.75	590.18	592.76	591.62	592.33	587.79
24	526.37	538.53	550.38	563.69	575.89	587.61	591.97	592.18	593.53	587.62
27	511.45	530.27	544.60	558.86	571.93	584.14	591.51	592.58	591.77	584.27
30	495.34	520.25	539.75	556.30	568.98	581.29	590.34	591.67	588.20	580.14
33	479.68	511.55	534.36	552.99	564.77	575.63	585.45	588.14	584.92	575.59
36	468.12	502.50	523.83	543.87	558.47	567.40	577.15	582.53	580.24	570.22
39	458.79	484.64	505.90	530.22	549.97	558.35	569.00	575.52	571.92	562.31
42	445.63	465.90	493.35	517.25	539.47	547.62	559.67	566.52	559.99	551.36
45	427.61	448.86	485.30	506.19	526.36	535.94	548.53	554.70	547.35	539.09
48	405.59	433.15	471.80	491.06	512.19	523.41	536.80	539.69	534.86	525.24
51	376.94	414.06	447.44	472.65	497.63	509.67	523.92	521.83	522.94	508.60
54	352.52	386.71	420.60	455.74	479.13	497.21	506.50	503.79	508.46	491.47
57	328.05	361.99	402.67	435.77	459.17	481.14	488.48	487.81	489.30	474.50
60	305.29	337.01	383.20	412.89	440.70	459.64	470.02	472.11	465.29	456.79
63	283.81	316.54	354.44	389.51	421.87	439.40	449.61	454.27	442.79	435.58
66	254.99	297.80	327.22	366.63	395.51	418.48	426.42	433.62	422.61	411.37
69	228.30	268.15	302.96	342.32	365.73	392.86	403.87	410.23	402.43	387.84
72	200.62	239.15	281.94	318.47	339.84	365.98	382.54	385.36	382.06	364.41
75	170.19	211.59	253.60	295.78	314.37	339.76	356.56	360.27	358.84	339.58
78	142.80	187.04	229.42	269.68	290.08	314.39	328.52	335.10	333.87	314.65
81	119.31	163.93	202.43	237.41	264.60	290.00	304.63	308.58	306.86	293.95
84	96.79	147.40	178.09	216.58	252.48	276.57	290.41	288.57	288.36	280.01
87	81.68	127.03	171.37	202.44	244.97	257.87	280.59	281.66	277.92	261.03
90	74.45	122.38	165.56	196.18	232.69	253.40	275.13	280.82	273.35	257.71
93	50.36	83.17	102.13	128.25	151.57	179.47	158.14	164.38	153.83	163.55
96	8.17	10.21	16.72	17.80	20.15	25.11	22.72	16.01	19.19	23.00
99	0.14	0.18	0.95	0.83	2.18	3.52	6.53	2.52	4.84	4.54
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)-48LED30DMVOA40.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	567.21	567.21	567.21	567.21	567.21	567.21	567.21
3	566.33	566.55	566.80	567.02	567.09	567.32	567.52
6	566.62	566.63	566.22	565.60	564.84	564.08	564.27
9	572.69	570.78	568.02	564.49	561.75	558.98	558.38
12	578.84	573.60	567.86	561.86	556.48	552.55	550.86
15	580.52	572.40	563.52	556.03	549.12	543.61	542.34
18	578.62	568.47	558.63	549.70	539.54	533.93	531.83
21	576.42	566.70	557.09	544.83	531.63	522.51	518.84
24	575.11	566.85	554.61	537.14	523.45	511.52	506.20
27	573.71	565.13	549.31	528.58	511.78	500.00	495.91
30	570.33	557.84	538.48	518.25	500.32	485.84	483.03
33	563.45	548.73	527.85	507.22	486.89	471.03	463.08
36	555.32	539.95	520.60	497.07	471.10	455.67	440.07
39	546.82	530.75	509.49	481.88	454.80	436.34	419.14
42	536.15	517.11	495.18	463.56	434.10	412.99	401.32
45	520.66	501.13	479.91	445.78	413.64	388.99	385.12
48	503.66	484.90	463.54	430.27	396.23	367.04	363.54
51	489.84	467.43	443.64	411.81	375.80	347.35	331.98
54	475.55	448.94	422.23	387.19	358.09	322.66	300.37
57	459.03	428.99	404.76	365.53	334.94	295.14	277.92
60	438.71	410.83	383.06	341.89	304.95	268.97	256.41
63	417.52	390.52	356.92	318.95	278.96	242.87	226.79
66	395.79	367.96	333.93	297.01	251.31	212.88	194.39
69	372.70	343.41	308.65	266.91	225.38	184.29	165.83
72	348.22	317.33	284.38	238.60	198.26	157.40	138.27
75	320.94	291.03	255.70	212.51	170.82	128.30	107.93
78	292.92	263.24	230.19	187.86	144.98	98.15	76.94

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

81	267.69	239.97	207.39	167.36	125.54	74.59	52.61
84	252.28	221.83	183.10	146.59	100.20	53.56	28.48
87	242.82	205.50	172.73	128.03	85.15	35.90	11.67
90	233.48	198.39	167.44	119.89	79.08	26.81	3.02
93	136.96	112.32	87.72	68.16	40.83	12.67	0.20
96	16.69	10.82	10.23	5.31	3.41	1.56	0.02
99	4.45	2.79	2.19	2.14	1.29	0.41	0.01
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	174.34	N.A.	7.20
0-30	470.63	N.A.	19.40
0-40	765.21	N.A.	31.60
0-60	1548.1	N.A.	63.90
0-80	2114.58	N.A.	87.20
0-90	2364.36	N.A.	97.50
10-90	2320.57	N.A.	95.70
20-40	590.87	N.A.	24.40
20-50	921.92	N.A.	38.00
40-70	1092.66	N.A.	45.10
60-80	566.48	N.A.	23.40
70-80	256.72	N.A.	10.60
80-90	249.77	N.A.	10.30
90-110	59.82	N.A.	2.50
90-120	59.82	N.A.	2.50
90-130	59.82	N.A.	2.50
90-150	59.82	N.A.	2.50
90-180	59.82	N.A.	2.50
110-180	0.00	N.A.	0.00
0-180	2424.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	43.79
10-20	130.56
20-30	296.29
30-40	294.58
40-50	331.06
50-60	451.83
60-70	309.77
70-80	256.72
80-90	249.77
90-100	59.56
100-110	0.26
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

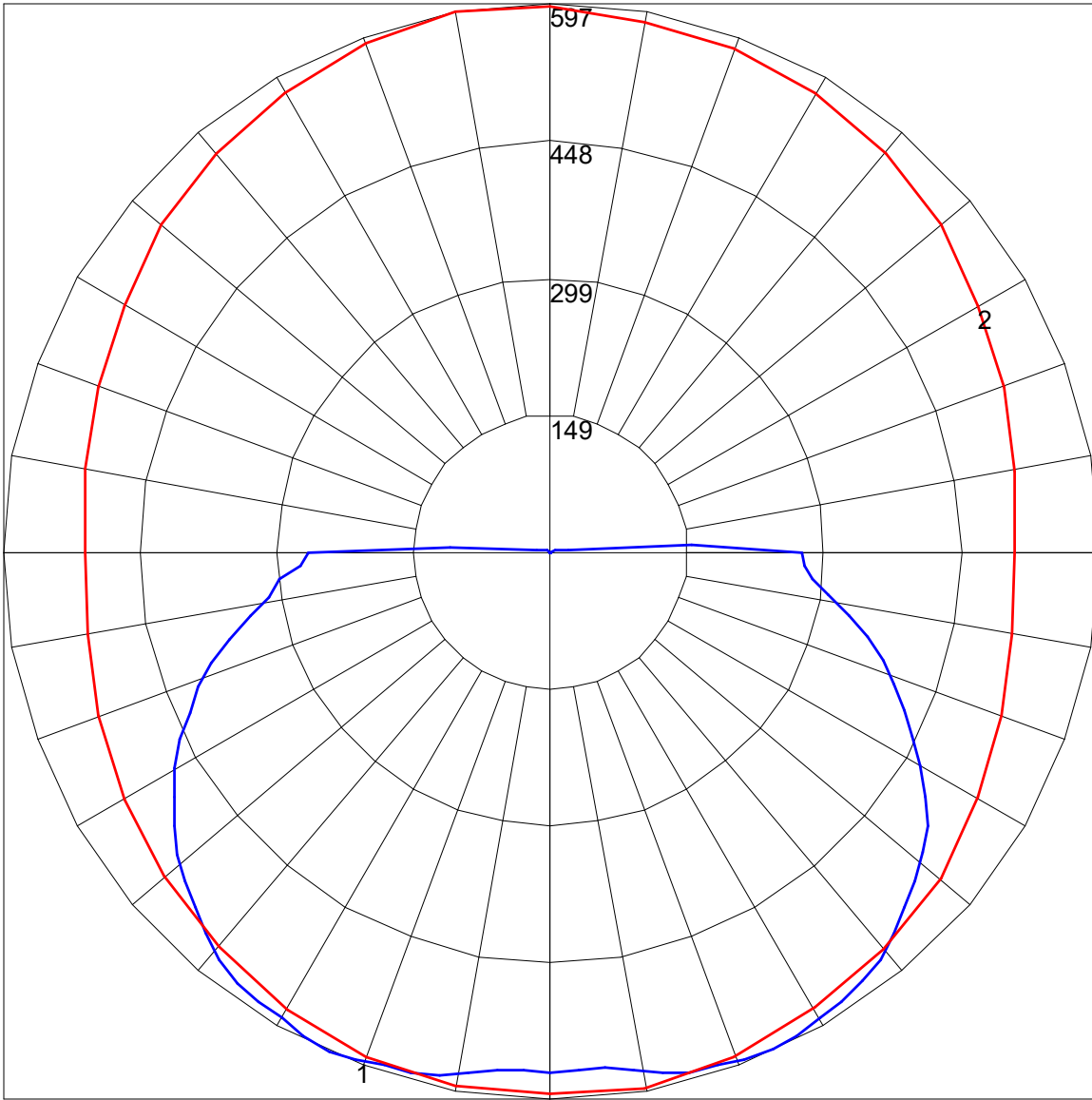
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 155(SW)-48LED30DMVOA40.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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	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	80	73	66	76	70	64	73	67	62	69	64	60	58
3	84	71	62	54	81	69	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	52	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	31	26	24
8	55	40	31	25	53	39	30	24	38	30	24	36	29	24	35	28	23	21
9	51	37	28	22	49	36	27	22	34	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 = 597.18 Located At Horizontal Angle = 100, Vertical Angle = 24
1 - Vertical Plane Through Horizontal Angles (100 - 280) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (24) (Through Max. Cd.)