



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 155(SW)-24LED24DMVOA40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 155(SW)-24LED24DMVOA40
 [TESTDATE] 13-Oct-2017 13:28:11
 [TESTLAB] Radiant Vision Systems ProSource
 [ISSUE DATE] 10/13/2017 2:16:58 PM
 [MANUFAC] MOBERN LIGHTING CO.
 [LAMP] LED Module
 [_TOTALLUMINAIRELUMENS] 1842
 [_NUMBEROFRAYS]10000000
 [MORE] (1) OSRAM OT30W
 [MORE] (2) LUMA SMART "S" BOARDS, 3,995 CCT, 84.1CRI
 [OTHER] Absolute Photometry measurement

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1842
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	24.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.56
Spacing Criterion (Diagonal)	1.58
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.62 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	5178	4324	4442
55	4702	3946	4078
65	4011	3475	3749
75	2820	2970	3373
85	990	2508	3017

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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	438.08	438.08	438.08	438.08	438.08	438.08	438.08	438.08	438.08	438.08
3	438.40	438.50	438.58	438.70	438.77	438.83	438.82	438.76	438.65	438.47
6	436.40	436.74	437.56	438.27	438.90	439.54	440.16	440.73	441.01	440.88
9	431.59	432.40	434.51	436.23	438.56	440.67	443.05	445.05	446.27	446.51
12	425.17	426.71	429.92	433.87	437.84	441.55	445.44	449.18	451.47	452.11
15	418.42	419.98	425.05	430.77	436.44	442.38	447.40	451.17	453.51	454.64
18	411.22	413.75	419.29	427.48	435.05	443.78	450.18	453.12	454.48	456.14
21	403.04	406.96	414.37	424.38	434.13	444.60	452.69	455.26	456.60	458.86
24	392.99	399.11	408.65	419.08	430.70	442.20	452.34	456.35	458.54	460.80
27	380.74	388.88	399.46	413.00	426.30	436.15	447.97	454.98	458.61	459.62
30	368.59	377.11	389.21	404.25	419.16	428.92	441.03	451.49	456.51	456.20
33	358.08	366.22	377.54	393.88	410.54	424.66	434.37	447.02	451.87	451.93
36	345.43	354.10	366.35	384.94	402.30	421.94	429.67	443.67	446.55	447.17
39	327.47	338.25	356.92	375.53	392.86	416.13	424.31	438.20	442.04	441.96
42	308.87	320.89	344.61	364.77	384.03	403.92	416.29	428.69	435.59	435.95
45	294.12	304.18	328.25	350.82	374.03	390.62	406.58	418.32	425.80	428.57
48	279.09	287.41	310.67	336.22	362.32	378.80	396.17	407.59	415.14	418.73
51	259.28	271.60	292.71	321.80	348.03	367.01	384.83	395.65	405.15	405.82
54	237.44	253.70	279.95	303.86	331.13	354.73	370.78	385.53	393.19	391.86
57	216.96	233.88	262.91	286.55	316.48	340.27	355.25	374.19	380.79	378.82
60	196.64	212.89	240.72	267.40	297.84	323.45	339.12	357.76	367.48	365.71
63	174.73	191.71	222.27	248.97	276.59	304.67	324.27	339.55	351.78	351.05
66	152.11	168.87	201.58	231.49	260.78	286.00	307.73	322.54	333.11	334.43
69	129.80	146.05	180.91	209.12	242.99	266.25	288.96	305.99	315.09	316.15
72	106.94	123.36	159.21	189.28	223.30	246.68	270.32	287.94	298.68	298.17
75	82.76	100.51	136.28	169.99	201.15	229.67	249.78	267.81	279.39	281.87
78	58.88	78.16	114.74	150.63	182.34	210.32	229.95	246.69	258.37	264.60
81	40.34	59.32	98.87	134.75	166.39	193.30	216.36	232.12	241.62	247.08
84	22.26	43.46	80.07	117.51	147.28	172.89	203.40	215.68	224.93	227.63
87	8.98	29.76	67.36	100.99	135.69	164.96	190.61	199.26	209.40	213.86
90	3.91	21.50	57.60	90.24	125.43	153.04	179.44	190.23	200.62	206.70
93	0.16	7.88	27.61	42.72	52.84	67.09	76.83	91.24	80.75	90.30
96	0.01	0.73	1.90	2.19	4.01	4.08	6.12	9.15	8.73	5.81
99	0.01	0.14	0.71	0.87	0.70	0.69	0.95	0.90	1.56	0.32
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	438.08	438.08	438.08	438.08	438.08	438.08	438.08	438.08	438.08	438.08
3	438.25	437.95	437.60	437.20	436.79	436.64	436.18	436.16	436.20	436.27
6	440.38	439.60	438.50	437.39	436.34	435.26	434.13	433.11	432.98	433.25
9	445.48	443.64	441.35	439.13	437.26	434.79	432.35	429.67	428.66	428.90
12	450.87	447.94	443.99	440.90	438.26	434.87	430.29	426.16	424.01	424.48
15	454.64	451.94	447.10	442.30	437.65	432.30	426.05	420.89	419.46	420.71
18	457.71	456.29	449.93	442.28	434.49	427.25	418.81	414.57	413.41	416.35
21	460.32	457.85	449.72	439.71	430.85	422.44	413.06	407.04	404.58	407.96
24	460.44	456.09	447.07	436.32	426.17	417.29	407.97	399.44	394.85	397.37
27	457.73	452.50	444.60	433.87	423.01	412.18	399.21	390.20	385.97	386.72
30	454.44	449.73	441.63	430.76	418.13	404.48	388.37	377.70	376.11	374.70
33	452.01	446.27	436.13	425.93	410.82	394.74	375.23	363.35	363.19	361.61
36	448.95	441.56	430.05	420.12	403.35	385.30	361.77	348.35	347.77	347.65
39	443.43	434.94	423.04	412.65	393.62	374.09	350.53	333.29	331.04	331.95
42	435.16	425.30	413.60	401.29	381.11	361.68	338.52	317.58	313.88	315.18
45	425.28	415.51	403.86	390.07	365.32	344.89	325.32	301.21	296.80	299.84
48	414.93	407.45	394.49	379.18	353.51	328.55	310.22	284.60	279.17	285.07
51	405.46	397.92	383.24	365.12	342.75	317.12	291.29	268.72	260.28	269.65
54	394.19	385.23	370.73	349.59	325.03	303.13	275.49	250.87	240.16	251.02
57	379.81	370.65	357.56	334.45	308.43	286.43	257.06	231.81	219.03	230.58
60	362.30	355.21	339.72	319.00	292.93	266.34	237.05	211.35	197.08	208.76
63	345.66	338.37	321.89	301.28	274.56	248.01	219.20	190.26	174.46	187.70
66	330.11	319.82	304.92	284.34	257.47	231.43	196.87	167.48	151.33	166.21
69	314.08	301.20	286.56	265.54	238.16	209.16	176.41	144.18	127.91	143.17
72	296.98	284.36	269.38	245.62	220.79	188.57	156.31	120.88	104.52	119.03
75	277.10	267.92	251.73	229.33	200.67	168.28	133.74	98.24	81.52	96.44
78	256.88	247.25	231.64	210.64	181.72	148.93	111.70	76.54	59.11	75.49
81	239.51	228.39	211.15	187.50	161.10	128.73	91.49	53.64	36.39	53.45
84	225.92	213.25	197.05	169.67	144.52	113.79	74.14	38.67	19.67	39.10
87	210.62	198.90	182.59	157.99	132.92	100.89	63.94	27.55	8.16	28.03
90	199.49	188.25	175.97	149.95	122.90	92.19	55.60	21.50	2.78	22.40
93	86.67	103.54	87.43	80.13	61.59	53.17	31.71	10.54	0.24	11.51
96	11.72	10.42	8.98	9.58	7.63	5.95	4.97	1.59	0.05	1.87
99	2.85	0.71	0.45	0.30	0.31	0.05	0.04	0.41	0.00	0.54
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
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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PHOTOMETRIC FILENAME : 155(SW)-24LED24DMVOA40.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	438.08	438.08	438.08	438.08	438.08	438.08	438.08	438.08	438.08	438.08
3	436.40	436.90	437.10	437.45	437.73	437.91	438.01	438.05	438.07	438.06
6	434.50	435.90	437.14	438.19	438.96	439.39	439.41	439.14	438.72	438.23
9	431.28	433.82	437.25	439.89	441.82	442.66	442.67	442.23	441.36	440.11
12	427.27	431.59	436.49	440.70	443.80	445.58	446.30	446.26	445.35	443.31
15	424.34	428.87	434.56	440.66	444.26	446.23	448.40	449.84	449.26	446.22
18	420.05	425.06	431.23	439.93	444.31	445.83	449.25	452.22	451.37	447.93
21	413.83	419.99	427.34	437.70	443.87	445.95	450.29	452.92	450.57	447.04
24	405.96	414.14	422.13	433.25	440.47	445.41	450.54	451.71	448.07	444.64
27	395.25	408.50	418.23	428.05	435.94	442.92	447.74	448.69	446.41	442.56
30	383.55	399.00	412.07	422.62	432.10	440.85	444.16	444.85	445.31	440.29
33	371.42	387.56	404.16	416.68	426.49	436.29	442.22	440.88	442.60	435.28
36	361.19	378.10	396.53	409.63	419.87	427.75	438.77	435.33	436.90	428.76
39	351.46	368.26	385.92	400.20	413.06	419.50	431.29	427.15	428.74	421.96
42	338.56	357.77	373.44	388.57	404.69	411.93	421.22	418.78	418.97	414.18
45	324.40	343.39	360.57	379.33	395.21	403.43	410.53	412.17	408.47	404.51
48	308.88	327.37	349.18	368.97	383.79	393.69	399.44	403.63	396.99	393.30
51	288.91	312.68	335.35	355.01	369.25	381.57	388.93	390.03	385.67	381.93
54	271.71	294.75	316.43	341.19	354.93	367.71	376.62	375.91	373.05	371.47
57	252.23	277.72	300.17	325.56	341.71	352.93	362.02	365.40	359.68	358.19
60	233.26	259.08	284.76	307.12	323.77	337.18	345.78	353.57	344.89	341.34
63	217.22	240.42	266.50	288.50	306.10	320.48	330.38	335.40	328.72	324.65
66	194.34	222.32	248.79	270.87	289.09	302.73	313.54	314.51	310.51	307.22
69	170.80	200.36	228.69	250.91	269.95	284.59	294.22	295.45	292.72	287.58
72	149.50	180.64	210.14	230.85	251.89	266.75	274.74	277.51	275.88	267.97
75	128.58	160.21	189.09	214.46	233.49	247.82	255.06	258.97	256.64	247.93
78	107.93	140.11	170.17	195.55	213.90	226.77	236.23	239.53	237.12	226.12
81	88.22	119.27	148.10	171.46	192.53	207.22	215.97	218.29	218.20	207.85
84	70.74	105.20	132.81	157.80	183.02	195.54	203.86	203.17	204.70	194.74
87	59.25	93.57	122.30	146.80	167.18	184.28	190.22	192.01	193.01	183.17
90	54.83	85.46	115.03	141.70	162.57	173.00	185.66	193.14	190.29	177.02
93	36.55	57.10	73.04	91.78	106.83	118.31	112.03	113.41	104.45	114.80
96	5.63	6.81	11.55	13.11	14.06	16.82	15.99	11.00	13.18	15.81
99	0.08	0.11	0.74	0.74	1.57	2.56	4.54	1.76	3.28	2.97
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)-24LED24DMVOA40.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	438.08	438.08	438.08	438.08	438.08	438.08	438.08
3	438.04	438.03	438.05	438.14	438.16	438.29	438.40
6	437.64	437.07	436.69	436.44	436.25	436.04	436.40
9	438.41	436.36	434.53	432.76	431.97	431.10	431.59
12	439.97	436.30	432.89	429.63	427.01	425.28	425.17
15	441.71	436.58	431.40	427.39	423.59	419.73	418.42
18	442.89	436.54	430.14	425.45	419.58	414.37	411.22
21	442.66	435.63	428.52	422.13	413.30	405.90	403.04
24	440.87	433.10	424.25	415.00	404.46	395.24	392.99
27	437.80	428.99	419.06	407.40	393.92	384.72	380.74
30	432.82	424.00	412.32	398.46	383.89	374.03	368.59
33	425.77	419.10	404.28	389.13	372.44	362.48	358.08
36	418.28	412.77	394.39	380.09	361.00	349.39	345.43
39	409.98	403.61	382.43	368.76	349.91	334.84	327.47
42	400.83	391.35	372.58	356.88	335.29	318.95	308.87
45	390.55	379.12	360.99	340.84	318.99	301.99	294.12
48	379.67	366.77	347.62	323.66	303.40	284.37	279.09
51	367.65	353.08	333.86	309.68	286.34	267.26	259.28
54	352.42	339.06	317.93	294.18	272.12	247.94	237.44
57	336.34	323.51	302.48	277.28	253.43	227.52	216.96
60	319.73	306.09	284.12	257.53	231.78	206.69	196.64
63	303.23	286.61	264.70	238.96	213.42	186.53	174.73
66	285.56	268.07	248.16	220.84	191.67	165.21	152.11
69	268.58	248.82	227.41	196.63	170.58	142.52	129.80
72	251.67	229.18	206.79	176.37	149.33	118.65	106.94
75	230.91	212.09	185.86	158.50	126.64	95.15	82.76
78	210.04	193.06	167.74	140.17	105.12	73.21	58.88

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

81	192.87	174.35	151.55	122.94	90.00	55.80	40.34
84	181.04	158.65	135.25	106.31	71.07	40.02	22.26
87	170.77	148.77	123.25	92.38	59.67	26.79	8.98
90	161.95	142.66	114.77	88.74	53.54	20.65	3.91
93	97.10	79.04	59.81	47.00	28.57	7.64	0.16
96	11.68	7.51	6.65	3.59	2.39	0.92	0.01
99	2.99	1.87	1.26	1.49	0.88	0.22	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	134.40	N.A.	7.30
0-30	362.53	N.A.	19.70
0-40	588.19	N.A.	31.90
0-60	1185.37	N.A.	64.30
0-80	1612.83	N.A.	87.50
0-90	1798.82	N.A.	97.60
10-90	1764.96	N.A.	95.80
20-40	453.79	N.A.	24.60
20-50	706.82	N.A.	38.40
40-70	831.46	N.A.	45.10
60-80	427.46	N.A.	23.20
70-80	193.17	N.A.	10.50
80-90	185.99	N.A.	10.10
90-110	43.56	N.A.	2.40
90-120	43.56	N.A.	2.40
90-130	43.56	N.A.	2.40
90-150	43.56	N.A.	2.40
90-180	43.56	N.A.	2.40
110-180	0.00	N.A.	0.00
0-180	1842.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	33.85
10-20	100.55
20-30	228.13
30-40	225.66
40-50	253.03
50-60	344.15
60-70	234.28
70-80	193.17
80-90	185.99
90-100	43.38
100-110	0.18
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

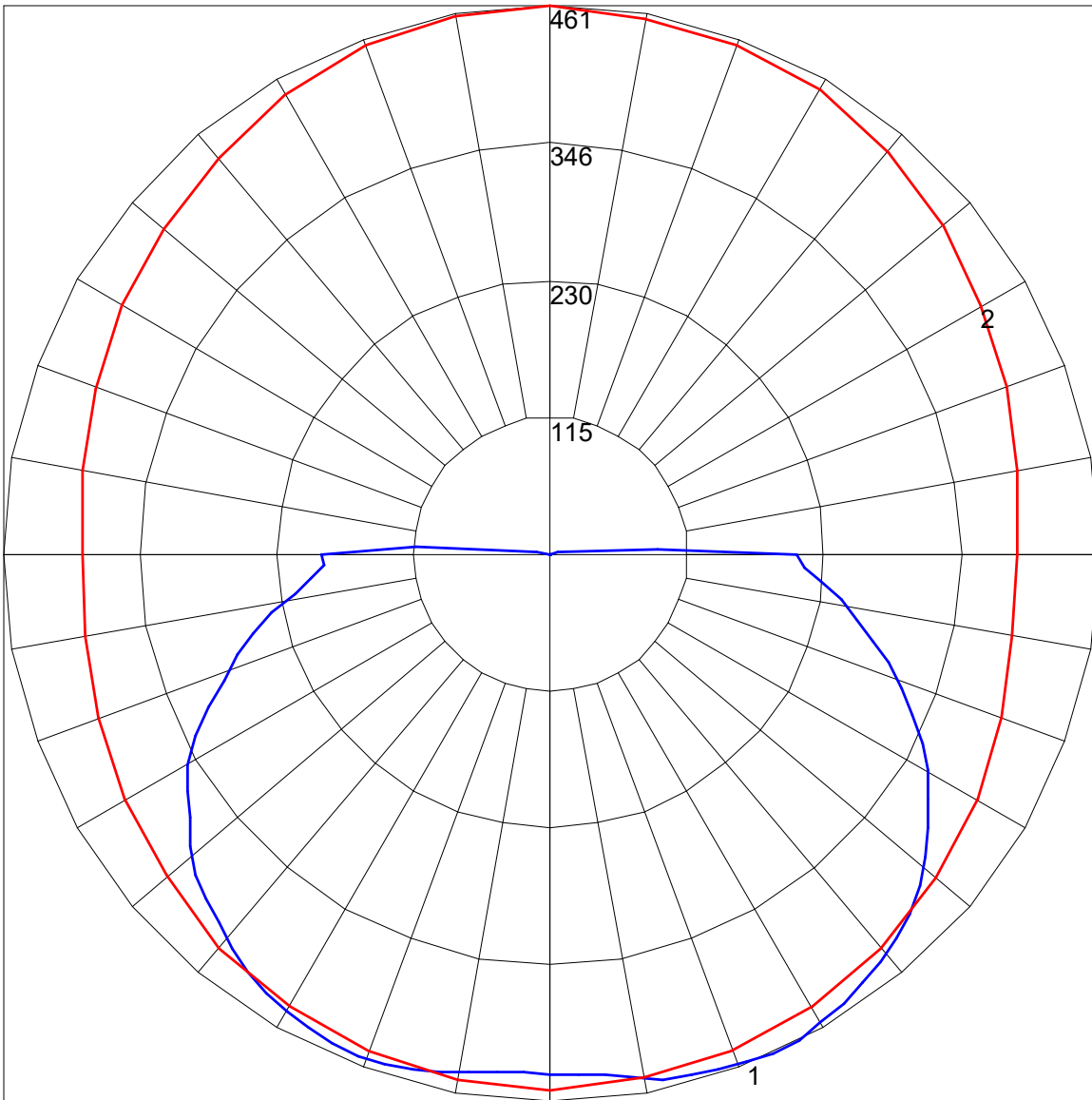
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 155(SW)-24LED24DMVOA40.IES

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	
0	119	119	119	119	115	115	115	115	110	110	110	105	105	105	100	100	100	98
1	104	98	92	86	101	95	90	85	90	86	82	86	82	79	81	78	76	73
2	93	83	74	67	90	81	73	66	77	70	64	73	67	62	69	65	61	58
3	84	72	62	54	81	70	61	54	66	59	52	63	56	51	60	54	50	47
4	76	63	52	45	74	61	52	44	58	50	43	55	48	42	53	47	42	39
5	70	55	45	38	67	54	44	37	51	43	37	49	42	36	47	41	35	33
6	64	49	39	32	62	48	39	32	46	38	32	44	37	31	42	36	31	28
7	59	44	35	28	57	43	34	28	42	33	28	40	33	27	38	32	27	25
8	55	40	31	25	53	39	31	25	38	30	24	36	29	24	35	28	24	22
9	51	37	28	22	50	36	28	22	35	27	22	33	26	21	32	26	21	19
10	48	34	25	20	46	33	25	20	32	25	19	31	24	19	30	23	19	17

POLAR GRAPH



Maximum Candela = 460.8 Located At Horizontal Angle = 90, Vertical Angle = 24
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (24) (Through Max. Cd.)