



IES INDOOR REPORT
PHOTOMETRIC FILENAME : MFLBD24-LED22DMVSN30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] MFLBD24-LED22DMVSN30
 [TESTDATE] 05-Oct-2017 11:17:55
 [TESTLAB] Radiant Vision Systems ProSource
 [ISSUE DATE] 10/5/2017 12:33:20 PM
 [MANUFAC] Mobern Lighting Co.
 [LAMP] LED Module
 [_TOTALLUMINAIRELUMENS] 1873.6
 [_NUMBEROFRAYS]10000000
 [COLOR TEMP] 2,949 CCT
 [CRI] 81.3
 [OTHER] Absolute Photometry measurement

CHARACTERISTICS

Lumens Per Lamp	1845.969 (1 lamp)
Total Lamp Lumens	1845.969
Luminaire Lumens	1874
Total Luminaire Efficiency	102 %
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	22.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.61 m
Luminous Width (90-270)	0.15 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5036	5714	6306
55	4780	6045	7000
65	4298	6663	8305
75	3366	8671	11619
85	1886	20260	29435

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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	515.25	515.25	515.25	515.25	515.25	515.25	515.25	515.25	515.25	515.25
3	513.46	513.34	513.17	513.69	513.64	514.01	514.46	514.83	515.11	515.25
6	508.82	508.12	508.26	508.46	508.80	509.42	510.72	511.98	512.96	513.81
9	503.70	502.80	502.49	502.04	502.77	504.03	505.88	507.74	509.41	510.77
12	497.22	497.22	497.26	497.62	499.18	500.73	502.13	503.43	504.81	506.36
15	488.13	490.10	492.34	492.84	494.77	497.69	498.71	499.12	499.67	500.89
18	477.07	481.48	483.83	483.82	485.21	491.24	493.41	493.96	494.40	494.57
21	465.02	467.12	470.92	471.08	473.12	480.79	485.38	487.79	488.29	487.40
24	452.26	450.78	456.65	459.65	460.97	469.66	473.96	479.12	480.82	478.66
27	438.72	438.05	442.75	449.83	450.35	458.79	462.62	468.11	471.28	468.12
30	423.66	425.82	427.35	435.31	437.03	446.25	450.78	457.62	460.70	458.27
33	406.39	409.32	410.64	420.42	424.93	433.51	437.81	445.83	449.17	451.05
36	387.40	390.30	395.95	405.88	412.92	421.26	427.21	434.66	437.33	443.54
39	367.38	371.71	380.78	385.13	398.37	408.94	418.42	424.53	428.22	432.74
42	346.81	352.29	360.77	366.54	382.87	393.24	406.43	411.08	419.68	420.23
45	325.99	331.62	339.66	347.73	364.20	375.52	390.52	396.34	408.82	408.15
48	304.88	310.32	319.85	328.98	347.23	360.25	375.74	385.04	396.01	396.47
51	283.12	289.20	297.57	312.27	332.15	347.17	361.52	375.15	383.55	384.62
54	259.61	265.28	278.58	291.92	313.06	333.15	344.58	363.60	369.77	372.05
57	233.71	240.39	255.49	271.86	294.90	316.97	328.78	349.08	355.61	358.50
60	207.40	215.48	231.10	251.54	275.30	299.31	314.56	333.30	340.58	344.45
63	182.56	191.41	210.80	232.66	255.80	280.38	301.29	318.68	326.37	330.49
66	158.14	166.65	187.50	214.93	241.91	263.34	286.90	303.92	313.09	316.67
69	132.72	141.91	167.05	193.83	225.78	247.58	271.94	288.30	300.29	302.90
72	106.35	117.60	148.05	175.89	208.54	232.86	257.31	273.89	287.25	289.09
75	79.74	94.43	127.85	159.64	190.84	220.05	241.96	260.46	272.58	275.27
78	54.79	73.02	107.74	144.45	176.91	204.87	226.89	245.43	257.65	261.70
81	36.33	55.33	92.99	131.26	164.89	192.35	214.85	235.25	245.21	250.51
84	19.03	40.40	75.52	117.63	149.28	182.22	203.59	225.00	232.87	239.69
87	7.08	27.81	64.48	100.31	135.89	170.93	192.09	207.41	222.98	225.12
90	1.99	18.30	54.33	85.30	120.79	152.59	182.60	194.28	205.54	217.65
93	0.39	5.25	21.01	36.55	45.37	59.42	71.32	88.41	76.18	86.79
96	0.01	0.37	1.47	1.63	3.34	3.31	6.01	8.85	7.48	5.96
99	0.01	0.07	0.52	0.69	0.59	0.65	0.93	0.83	1.25	0.37
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. Angles **Horizontal 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	515.25	515.25	515.25	515.25	515.25	515.25	515.25	515.25	515.25	515.25
3	515.20	514.98	514.59	514.03	513.41	513.20	512.31	512.22	512.15	512.11
6	514.08	513.88	513.12	511.91	510.80	509.58	508.25	507.01	506.84	506.94
9	511.72	511.99	511.36	509.87	508.23	506.32	504.91	503.02	502.07	501.47
12	507.84	508.68	508.15	506.39	504.64	502.35	500.28	498.13	496.28	494.66
15	502.15	502.95	501.21	498.71	495.75	493.83	491.66	488.67	487.61	486.59
18	495.78	494.97	491.16	487.51	484.12	482.33	478.74	477.95	477.66	479.12
21	489.15	487.53	481.32	477.22	474.51	471.30	466.75	466.11	468.05	469.28
24	481.45	479.85	471.85	468.20	463.91	459.15	455.43	454.81	457.06	456.51
27	470.75	469.72	462.69	458.02	451.08	445.69	442.35	444.04	442.79	441.26
30	459.47	459.49	452.53	445.50	435.95	429.36	426.02	430.65	426.06	424.43
33	449.84	448.30	441.25	433.87	423.71	414.96	407.99	411.17	408.21	407.58
36	440.34	436.97	429.36	420.55	411.12	402.78	391.42	388.17	389.85	389.15
39	430.55	426.14	415.41	404.34	393.84	385.42	376.25	366.77	371.13	368.33
42	420.10	412.44	400.62	387.44	376.94	366.14	356.76	346.11	351.28	346.61
45	408.07	397.45	387.42	373.53	360.37	344.57	336.38	325.52	329.57	326.40
48	394.16	385.91	375.84	360.46	344.90	324.14	318.06	305.33	306.36	306.38
51	381.57	375.11	360.54	344.32	327.10	307.06	295.94	285.82	282.24	286.06
54	369.54	360.41	342.89	327.59	305.08	288.05	274.26	263.55	257.67	263.38
57	356.89	344.50	328.82	312.45	288.23	269.81	248.71	239.16	232.87	239.49
60	341.79	330.83	313.80	296.58	272.59	249.67	225.86	213.67	207.35	214.45
63	325.36	316.62	298.92	277.49	253.89	230.21	207.46	189.36	180.79	190.20
66	308.85	301.37	284.55	261.70	237.71	212.12	183.78	164.92	154.13	165.58
69	295.89	287.29	269.74	247.94	220.87	191.07	161.93	140.09	128.34	140.46
72	285.81	274.25	256.89	232.73	206.23	174.47	142.66	115.47	103.24	115.51
75	273.52	260.97	243.84	220.21	190.45	158.97	123.38	92.37	78.59	92.25
78	258.54	245.52	228.25	206.08	176.70	143.07	104.71	71.13	55.11	71.11
81	243.71	231.17	212.43	187.98	159.17	125.10	86.94	49.67	32.58	50.70
84	230.17	220.15	201.47	175.85	142.64	112.07	71.03	35.89	16.73	37.09
87	219.40	210.67	191.24	165.17	130.18	94.11	59.88	23.89	5.72	25.61
90	208.23	193.23	177.71	147.78	118.28	84.54	51.48	18.53	0.64	18.04
93	82.02	94.97	81.79	71.02	55.08	47.80	26.60	7.14	0.21	6.45
96	10.02	9.87	8.24	8.13	6.73	4.94	4.10	0.99	0.10	0.89
99	1.96	0.71	0.41	0.14	0.23	0.03	0.03	0.17	0.00	0.13
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. Horizontal Angles
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	515.25	515.25	515.25	515.25	515.25	515.25	515.25	515.25	515.25	515.25
3	512.09	512.76	512.81	513.14	513.46	513.68	513.84	514.00	514.08	514.17
6	508.14	509.32	510.18	510.75	511.19	511.20	511.11	511.19	511.47	511.85
9	502.54	503.59	505.76	506.98	507.18	506.82	506.57	506.67	507.32	508.06
12	494.63	496.79	500.46	502.10	502.00	501.17	500.83	501.12	502.06	503.00
15	487.63	490.59	495.09	497.67	497.49	497.20	495.99	495.41	496.66	498.29
18	480.09	483.84	487.79	490.36	491.28	493.49	492.48	490.44	491.71	493.22
21	470.92	474.42	477.67	479.01	481.86	487.13	487.91	486.48	485.26	486.01
24	459.08	462.21	465.72	468.46	472.62	478.33	480.89	481.51	476.70	476.52
27	443.68	449.26	453.21	458.02	464.19	468.59	472.16	473.51	467.52	467.96
30	426.31	432.25	437.50	444.08	452.45	457.85	462.65	463.07	459.00	459.98
33	407.73	415.17	423.79	431.08	439.13	444.30	451.37	451.45	449.99	448.82
36	390.31	401.54	411.86	418.07	427.21	431.53	438.87	440.17	440.10	436.24
39	375.64	386.32	396.60	403.12	413.95	420.03	427.63	430.20	429.92	424.46
42	358.52	368.84	378.67	387.01	399.25	405.58	416.74	420.16	417.82	411.01
45	338.70	347.75	359.36	373.16	385.70	391.06	405.11	408.45	402.99	397.09
48	318.74	327.88	342.93	359.50	373.70	381.44	391.83	395.00	387.80	385.05
51	295.84	310.98	325.05	343.84	358.78	372.91	378.66	380.35	375.10	373.31
54	275.16	290.41	302.38	328.75	342.95	360.33	365.20	365.84	362.31	360.64
57	250.88	271.41	286.04	313.09	329.06	345.50	352.41	352.46	349.81	345.96
60	228.61	251.53	272.60	293.86	311.23	330.81	338.12	338.98	336.67	329.43
63	210.55	230.70	253.84	273.15	294.09	315.54	322.59	324.29	322.97	313.01
66	186.85	210.12	235.94	257.84	278.90	299.19	306.90	310.00	308.79	299.12
69	164.49	188.46	218.79	244.17	263.28	282.93	292.52	297.54	295.84	287.32
72	144.33	172.08	204.13	228.80	249.85	269.02	279.41	285.08	283.51	273.55
75	123.64	155.63	186.58	216.62	237.33	256.94	265.33	270.66	268.13	257.32
78	104.20	138.86	170.88	201.91	223.44	241.94	251.16	255.24	250.91	241.75
81	87.20	121.33	152.55	181.49	207.29	224.36	234.92	238.63	234.52	228.13
84	70.81	107.58	137.75	169.87	198.82	212.49	223.28	226.16	224.53	215.39
87	58.67	94.68	127.02	156.01	182.42	201.15	211.39	214.85	209.30	197.81
90	47.23	84.46	114.22	145.96	171.80	182.29	200.53	204.70	195.47	182.71
93	28.11	50.53	67.31	87.07	105.05	120.64	107.17	114.06	107.89	112.67
96	4.17	5.81	9.98	11.28	13.67	16.74	14.71	10.69	12.50	15.51
99	0.04	0.05	0.42	0.41	1.46	2.64	3.66	1.71	2.86	3.04
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

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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

	300	310	320	330	340	350	360
0	515.25	515.25	515.25	515.25	515.25	515.25	515.25
3	514.21	514.16	514.06	514.07	513.62	513.56	513.46
6	512.20	512.15	511.96	511.49	510.61	509.40	508.82
9	508.55	508.33	507.43	506.01	505.43	504.14	503.70
12	503.15	502.06	500.53	498.05	496.94	496.76	497.22
15	497.01	494.47	491.35	489.37	488.18	486.94	488.13
18	490.81	486.77	483.28	481.64	479.08	477.67	477.07
21	483.65	478.85	475.82	473.10	469.78	467.20	465.02
24	475.28	469.64	465.63	459.98	457.75	455.40	452.26
27	465.67	457.67	454.17	447.33	443.13	441.58	438.72
30	452.91	443.40	440.58	434.39	429.07	425.75	423.66
33	439.28	432.06	426.15	420.03	413.78	409.17	406.39
36	428.02	421.94	409.43	403.47	395.65	391.36	387.40
39	416.89	409.46	391.87	383.44	377.35	371.80	367.38
42	403.27	392.87	377.25	366.45	356.63	350.80	346.81
45	387.35	374.80	360.19	348.50	335.61	329.51	325.99
48	372.18	357.63	343.43	329.98	316.68	307.82	304.88
51	357.17	342.19	329.03	311.50	296.25	286.08	283.12
54	340.66	327.65	311.73	287.75	277.95	262.29	259.61
57	325.94	311.35	292.76	266.80	253.70	239.10	233.71
60	312.30	294.29	271.35	248.33	228.18	216.02	207.40
63	299.09	277.26	252.07	231.23	208.67	192.01	182.56
66	283.83	260.44	237.99	212.74	186.13	166.28	158.14
69	267.77	243.61	221.31	189.67	163.93	141.20	132.72
72	253.18	229.01	204.59	171.25	142.99	116.79	106.35
75	237.40	216.71	186.66	154.90	122.26	92.60	79.74
78	221.10	200.50	171.00	139.55	103.40	69.89	54.79

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

81	207.39	183.98	156.88	126.94	90.64	53.12	36.33
84	197.34	171.75	143.36	113.13	74.03	38.82	19.03
87	187.18	160.05	131.52	97.10	60.75	26.18	7.08
90	164.49	141.65	118.43	80.96	49.19	17.45	1.99
93	92.49	76.10	54.53	39.90	21.42	4.65	0.39
96	10.71	6.95	5.86	2.94	1.84	0.35	0.01
99	2.83	1.84	1.16	1.22	0.68	0.12	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	153.72	8.30	8.20
0-30	401.97	21.80	21.40
0-40	637.12	34.50	34.00
0-60	1227.12	66.50	65.50
0-80	1640.86	88.90	87.60
0-90	1832.19	99.30	97.80
10-90	1792.71	97.10	95.70
20-40	483.40	26.20	25.80
20-50	738.02	40.00	39.40
40-70	814.59	44.10	43.50
60-80	413.74	22.40	22.10
70-80	189.14	10.20	10.10
80-90	191.33	10.40	10.20
90-110	41.98	2.30	2.20
90-120	41.98	2.30	2.20
90-130	41.98	2.30	2.20
90-150	41.98	2.30	2.20
90-180	41.98	2.30	2.20
110-180	0.00	0.00	0.00
0-180	1874.16	101.50	100.00

Total Luminaire Efficiency = 101.50%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	39.47
10-20	114.25
20-30	248.25
30-40	235.16
40-50	254.62
50-60	335.37
60-70	224.60
70-80	189.14
80-90	191.33
90-100	41.82
100-110	0.15
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

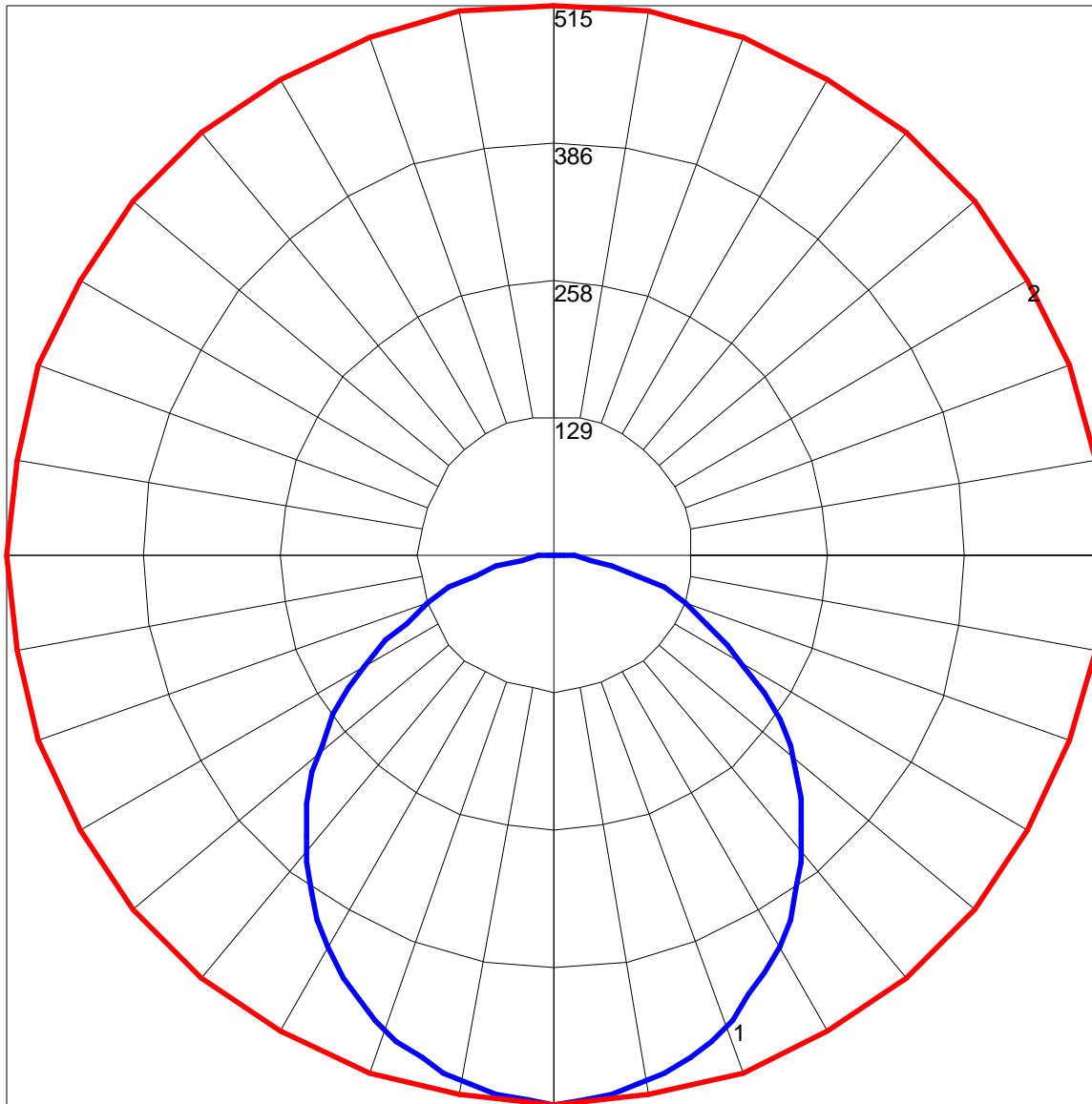
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MFLBD24-LED22DMVSN30.IES

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	120	120	120	120	117	117	117	117	112	112	112	106	106	106	102	102	102	99
1	106	99	93	88	103	97	91	86	92	87	83	87	84	80	83	80	77	75
2	95	85	76	69	92	83	75	68	78	72	66	75	69	64	71	66	62	60
3	86	73	64	56	83	72	63	55	68	60	54	65	58	53	62	56	51	49
4	78	64	54	47	75	63	53	46	60	52	45	57	50	44	55	48	43	41
5	72	57	47	40	69	56	46	39	53	45	38	51	44	38	49	42	37	35
6	66	51	41	34	64	50	41	34	48	39	33	46	38	33	44	37	32	30
7	61	46	36	30	59	45	36	30	43	35	29	42	34	29	40	33	28	26
8	57	42	33	26	55	41	32	26	39	31	26	38	31	25	37	30	25	23
9	53	38	29	23	51	38	29	23	36	28	23	35	28	23	34	27	23	21
10	49	35	27	21	48	35	26	21	33	26	21	32	25	21	31	25	20	18

POLAR GRAPH



Maximum Candela = 515.25 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)