

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P827891

Luminaire Tested: **OHB-24HE-MFL-UNV-L935-CD-UPL36**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827891
REPORT IS A COMBINATION OF REPORTS P826289 AND G3-2310-221-2
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-24HE-MFL-UNV-L935-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

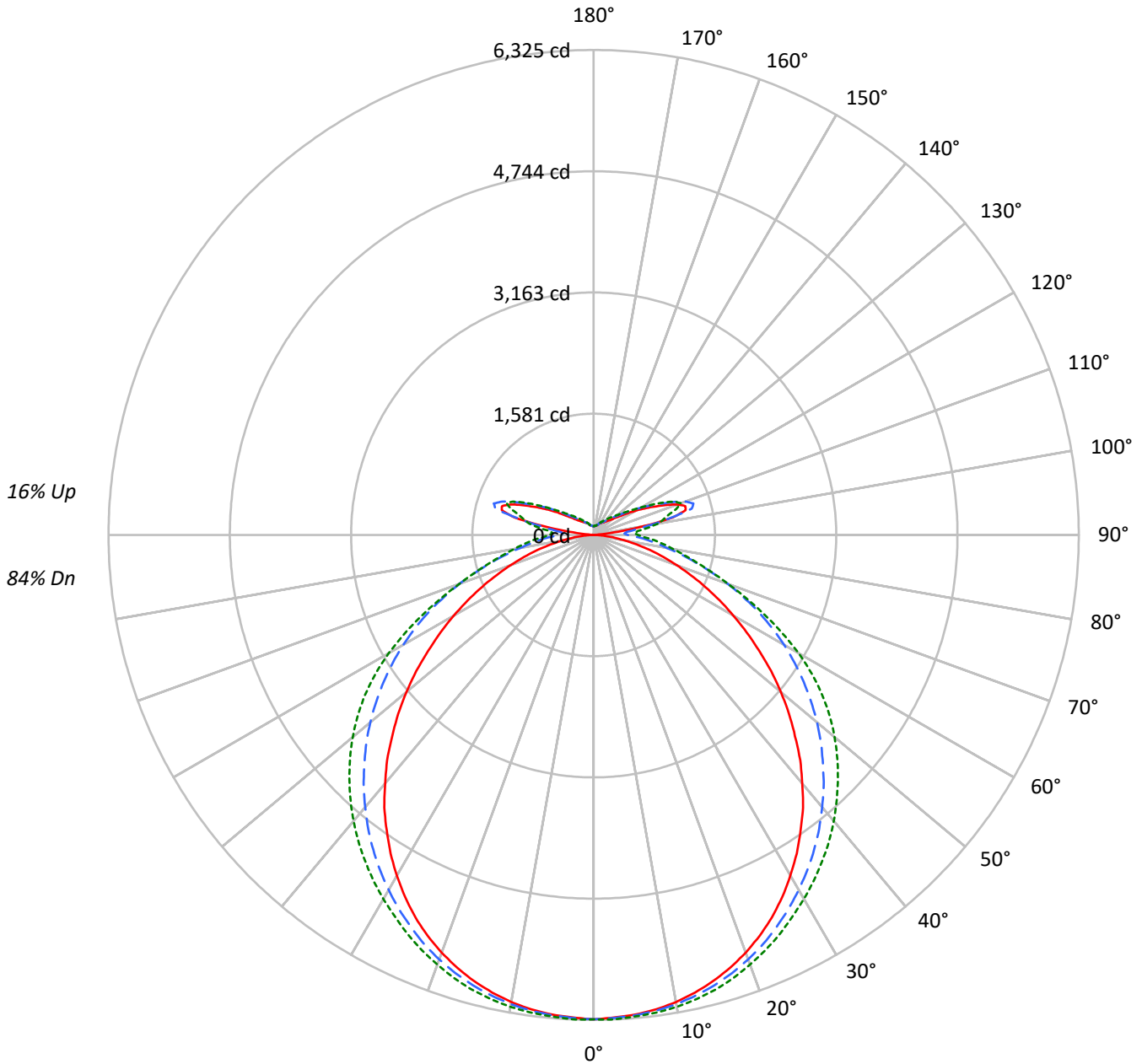
Lumens per Lamp: N/A
Luminaire Lumens: 21895.1 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 158.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	115	115	115	115	111	111	111	111	102	102	102	94	94	94	87	87	87	84																			
1	105	100	95	91	100	96	92	88	89	85	82	82	79	77	76	74	72	69																			
2	95	87	80	74	91	83	77	72	77	72	68	72	67	64	66	63	60	57																			
3	86	76	68	61	83	73	66	60	68	62	57	63	58	54	58	54	51	48																			
4	79	67	59	52	76	65	57	51	60	54	48	56	50	46	52	47	44	41																			
5	73	60	51	45	69	58	50	44	54	47	42	50	44	40	47	42	38	35																			
6	67	54	45	39	64	52	44	38	49	42	36	45	39	35	42	37	33	31																			
7	62	49	40	34	59	47	39	33	44	37	32	41	35	31	39	34	30	27																			
8	58	44	36	30	55	43	35	30	40	34	29	38	32	28	36	30	26	24																			
9	54	41	33	27	52	39	32	27	37	30	26	35	29	25	33	28	24	22																			
10	50	38	30	25	48	36	29	24	34	28	23	32	27	22	30	25	22	20																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19543	19543	19543
5°	19336	19308	19428
10°	19120	19089	19337
15°	18825	18837	19215
20°	18460	18540	19030
25°	18000	18180	18843
30°	17395	17794	18656
35°	16680	17385	18497
40°	15840	16917	18341
45°	14864	16411	18140
50°	13805	15894	17895
55°	12527	15271	17470
60°	11220	14541	16605
65°	9801	13622	15168
70°	8272	12465	13613
75°	6716	11124	12584
80°	4822	10041	12561
85°	2720	9964	14206



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	598.7	2.7
10°-20°	1717.6	7.8
20°-30°	2597.6	11.9
30°-40°	3118.4	14.2
40°-50°	3220.8	14.7
50°-60°	2897.7	13.2
60°-70°	2182.8	10.0
70°-80°	1318.1	6.0
80°-90°	651.0	3.0
90°-100°	500.6	2.3
100°-110°	1193.3	5.5
110°-120°	950.4	4.3
120°-130°	458.2	2.1
130°-140°	233.0	1.1
140°-150°	133.6	0.6
150°-160°	75.5	0.3
160°-170°	36.7	0.2
170°-180°	11.2	0.1
0°-30°	4913.9	22.4
0°-40°	8032.3	36.7
0°-60°	14150.8	64.6
0°-90°	18302.7	83.6
90°-120°	2644.2	12.1
90°-150°	3469.0	15.8
90°-180°	3592.0	16.4
0°-180°	21895.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6318	6318	6318	6318	6318	
5°	6278	6295	6288	6312	6304	596
15°	6025	6054	6082	6133	6139	1699
25°	5502	5562	5641	5729	5743	2531
35°	4704	4814	5012	5163	5194	2941
45°	3713	3900	4226	4457	4505	2866
55°	2630	2902	3343	3595	3639	2358
65°	1605	1933	2366	2483	2456	1595
75°	756	1086	1370	1406	1392	807
85°	158	416	687	781	795	182
90°	7	203	445	555	576	15
95°	59	213	431	549	576	199
105°	1242	1292	1325	1082	1008	1181
115°	871	882	958	1000	998	880
125°	435	454	511	531	528	409
135°	261	270	295	321	328	206
145°	197	200	206	220	226	125
155°	162	166	167	167	169	73
165°	126	128	128	129	130	36
175°	115	115	116	116	117	11
180°	113	113	113	113	113	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6318.4	6318.4	6318.4	6318.4	6318.4
2.5°	6299.9	6315.3	6306.1	6326.2	6324.6
5°	6278.2	6295.2	6287.5	6312.2	6304.5
7.5°	6241.1	6259.7	6258.1	6286.0	6282.8
10°	6187.0	6207.1	6213.2	6250.4	6250.4
12.5°	6112.8	6139.1	6154.5	6199.3	6200.9
15°	6024.6	6054.0	6081.8	6132.8	6139.1
17.5°	5917.9	5955.0	5993.7	6052.5	6060.2
20°	5797.3	5839.1	5891.7	5953.5	5962.8
22.5°	5658.2	5707.6	5775.7	5848.3	5859.2
25°	5501.9	5562.2	5641.2	5729.3	5743.2
27.5°	5324.1	5393.8	5500.4	5599.3	5611.8
30°	5130.8	5212.8	5345.8	5463.3	5483.4
32.5°	4926.7	5021.0	5184.9	5316.4	5344.3
35°	4704.0	4813.8	5011.8	5163.3	5194.3
37.5°	4484.4	4605.1	4829.3	5002.5	5039.6
40°	4227.8	4377.8	4634.4	4826.2	4871.0
42.5°	3986.5	4148.9	4439.6	4648.3	4691.7
45°	3712.8	3899.9	4226.2	4456.6	4504.6
47.5°	3456.1	3658.7	4020.5	4258.7	4308.2
50°	3185.5	3408.2	3800.9	4049.9	4100.9
52.5°	2914.9	3154.6	3573.7	3831.9	3879.8
55°	2630.3	2902.5	3343.2	3595.3	3638.6
57.5°	2365.9	2653.6	3106.7	3346.3	3372.6
60°	2104.6	2403.1	2865.4	3075.8	3085.0
62.5°	1849.4	2163.3	2618.0	2785.0	2772.7
65°	1605.1	1932.9	2365.9	2483.4	2455.6
67.5°	1370.1	1708.8	2107.7	2183.5	2146.3
70°	1147.4	1490.7	1857.2	1895.8	1861.8
72.5°	951.0	1283.5	1603.6	1636.1	1611.3
75°	756.2	1085.6	1370.1	1405.7	1391.8
77.5°	573.7	893.8	1155.2	1201.5	1204.6
80°	412.9	719.1	968.0	1040.7	1050.0
82.5°	272.2	558.2	811.8	904.6	918.5
85°	157.8	416.0	686.6	780.9	794.8
87.5°	68.0	300.0	552.1	637.1	654.1
90°	6.7	203.2	445.2	554.8	575.8
92.5°	25.5	184.5	401.2	509.9	531.9
95°	59.4	213.1	431.3	549.2	576.5
97.5°	320.9	427.8	546.0	673.8	707.7
100°	678.4	767.1	753.7	822.8	851.8
102.5°	1057.6	1133.7	1033.3	945.5	931.3
105°	1241.7	1291.8	1325.1	1081.8	1007.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1020.7	1052.6	1119.2	<i>1156.1</i>	1135.6
115°	870.7	882.3	958.5	<i>999.9</i>	997.8
117.5°	748.1	756.8	825.2	<i>856.0</i>	851.4
120°	631.4	643.8	707.8	<i>727.1</i>	726.6
122.5°	525.6	545.0	601.8	<i>622.9</i>	616.7
125°	434.8	454.5	510.9	<i>531.2</i>	527.5
127.5°	373.3	381.4	433.2	<i>456.9</i>	461.6
130°	322.5	330.7	373.9	<i>401.8</i>	404.8
132.5°	287.5	297.2	330.3	<i>357.6</i>	366.2
135°	260.8	269.8	295.0	<i>320.7</i>	327.7
137.5°	239.2	247.2	264.6	<i>290.4</i>	297.4
140°	222.3	228.9	241.7	<i>263.5</i>	269.8
142.5°	208.9	213.9	221.2	<i>240.7</i>	245.3
145°	197.2	199.8	205.5	<i>220.3</i>	225.8
147.5°	187.2	190.5	194.7	<i>201.7</i>	207.1
150°	178.0	182.0	183.8	<i>187.0</i>	192.5
152.5°	169.7	173.7	175.5	<i>174.8</i>	178.7
155°	162.2	166.2	167.2	<i>167.2</i>	168.8
157.5°	140.0	142.5	145.0	<i>145.8</i>	145.8
160°	135.0	136.7	139.2	<i>139.2</i>	140.0
162.5°	130.0	131.7	133.3	<i>134.2</i>	135.0
165°	125.8	127.5	128.3	<i>129.2</i>	130.0
167.5°	122.5	123.3	124.2	<i>125.0</i>	125.0
170°	119.2	120.0	120.8	<i>120.8</i>	121.7
172.5°	116.7	117.5	118.3	<i>118.3</i>	118.3
175°	115.0	115.0	115.8	<i>115.8</i>	116.7
177.5°	113.3	114.2	114.2	<i>114.2</i>	115.0
180°	113.3	113.3	113.3	<i>113.3</i>	113.3



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	1253.3	1300.7	1365.0	1267.9	1130.7
110°	1157.5	1207.0	1271.3	1267.1	1209.0



(END OF REPORT)