

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: P828035

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828035
REPORT IS A COMBINATION OF REPORTS P826301 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: OHBL-24HE-MFL-UNV-L935-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

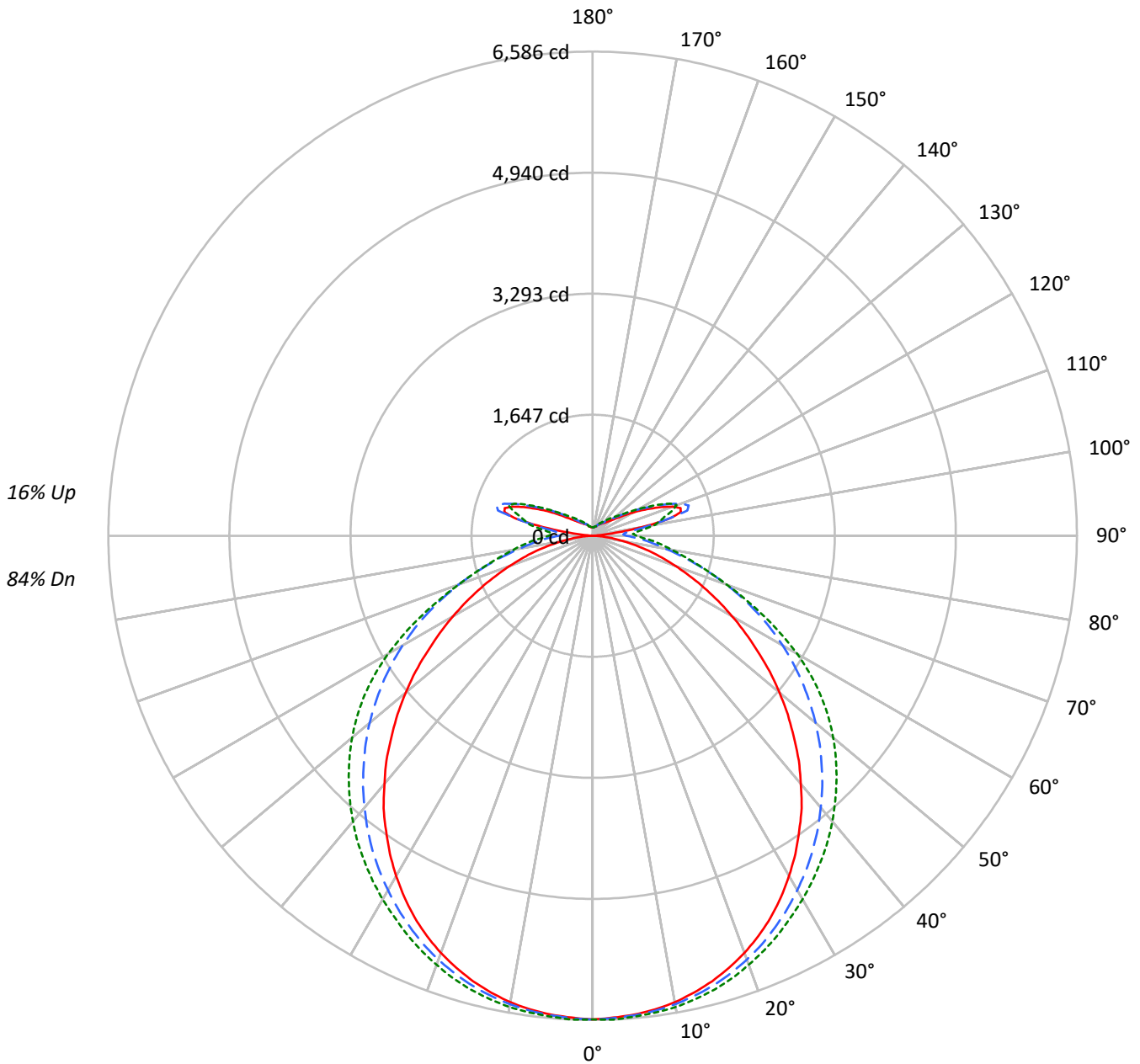
Lumens per Lamp: N/A
Luminaire Lumens: 22677.6 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 161.8
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				20				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	50	30	10	0
RCR																					
0	115	115	115	115	111	111	111	111	102	102	102	95	95	95	87	87	87	84			
1	105	100	95	91	100	96	92	88	89	86	83	82	80	77	76	74	72	69			
2	95	87	80	74	91	84	77	72	77	72	68	72	68	64	67	63	60	57			
3	87	76	68	62	83	73	66	60	68	62	57	63	58	54	59	55	51	48			
4	79	67	59	52	76	65	57	51	60	54	48	56	51	46	52	48	44	41			
5	73	60	51	45	70	58	50	44	54	47	42	50	45	40	47	42	38	36			
6	67	54	45	39	64	52	44	38	49	42	36	46	40	35	43	37	33	31			
7	62	49	40	34	59	47	39	34	44	37	32	42	35	31	39	34	30	27			
8	58	45	36	30	55	43	35	30	41	34	29	38	32	28	36	30	27	24			
9	54	41	33	27	52	40	32	27	37	31	26	35	29	25	33	28	24	22			
10	51	38	30	25	48	36	29	24	34	28	23	32	27	23	31	25	22	20			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10406	10406	10406
5°	10296	10307	10383
10°	10180	10217	10372
15°	10023	10108	10345
20°	9829	9975	10285
25°	9584	9809	10226
30°	9262	9629	10169
35°	8882	9438	10130
40°	8434	9216	10099
45°	7914	8976	10048
50°	7350	8733	9983
55°	6670	8435	9829
60°	5974	8085	9441
65°	5219	7637	8743
70°	4404	7066	7996
75°	3576	6407	7605
80°	2568	5930	7966
85°	1447	6164	9988



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	623.5	2.7
10°-20°	1788.7	7.9
20°-30°	2705.1	11.9
30°-40°	3247.4	14.3
40°-50°	3354.1	14.8
50°-60°	3017.6	13.3
60°-70°	2273.1	10.0
70°-80°	1372.6	6.1
80°-90°	677.7	3.0
90°-100°	511.8	2.3
100°-110°	1199.7	5.3
110°-120°	954.1	4.2
120°-130°	460.3	2.0
130°-140°	234.1	1.0
140°-150°	134.1	0.6
150°-160°	75.7	0.3
160°-170°	36.7	0.2
170°-180°	11.2	0.0
0°-30°	5117.2	22.6
0°-40°	8364.7	36.9
0°-60°	14736.4	65.0
0°-90°	19059.8	84.0
90°-120°	2665.6	11.8
90°-150°	3494.2	15.4
90°-180°	3618.0	16.0
0°-180°	22677.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6580	6580	6580	6580	6580	
5°	6538	6556	6548	6573	6565	621
15°	6274	6304	6334	6387	6393	1769
25°	5730	5792	5875	5966	5981	2635
35°	4899	5013	5219	5377	5409	3062
45°	3866	4061	4401	4641	4691	2985
55°	2739	3023	3482	3744	3789	2456
65°	1672	2013	2464	2586	2557	1661
75°	788	1130	1427	1464	1449	840
85°	164	433	715	813	828	190
90°	7	210	462	575	597	15
95°	60	218	444	565	592	199
105°	1242	1294	1332	1091	1017	1181
115°	871	884	963	1006	1004	881
125°	435	455	514	535	532	409
135°	261	270	296	323	330	207
145°	198	200	206	222	227	126
155°	163	167	168	168	169	74
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°	6579.9	6579.9	6579.9	6579.9	6579.9
2.5°	6560.6	6576.7	6567.0	6587.9	6586.3
5°	6538.0	6555.8	6547.7	6573.4	6565.4
7.5°	6499.3	6518.7	6517.1	6546.1	6542.8
10°	6443.0	6463.9	6470.4	6509.0	6509.0
12.5°	6365.8	6393.1	6409.2	6455.9	6457.5
15°	6273.9	6304.5	6333.5	6386.7	6393.1
17.5°	6162.8	6201.5	6241.8	6302.9	6311.0
20°	6037.2	6080.7	6135.4	6199.8	6209.5
22.5°	5892.2	5943.8	6014.7	6090.3	6101.6
25°	5729.7	5792.4	5874.6	5966.3	5980.8
27.5°	5544.4	5616.9	5728.0	5831.1	5844.0
30°	5343.2	5428.5	5567.0	5689.3	5710.3
32.5°	5130.6	5228.8	5399.5	5536.4	5565.3
35°	4898.7	5013.0	5219.2	5377.0	5409.2
37.5°	4670.0	4795.6	5029.1	5209.5	5248.2
40°	4402.7	4558.9	4826.2	5025.9	5072.6
42.5°	4151.5	4320.6	4623.3	4840.8	4885.8
45°	3866.4	4061.3	4401.1	4641.0	4690.9
47.5°	3599.2	3810.1	4186.9	4434.9	4486.4
50°	3317.3	3549.3	3958.2	4217.5	4270.7
52.5°	3035.5	3285.1	3721.5	3990.4	4040.3
55°	2739.2	3022.7	3481.6	3744.1	3789.2
57.5°	2463.8	2763.3	3235.2	3484.8	3512.2
60°	2191.7	2502.5	2984.0	3203.0	3212.7
62.5°	1926.0	2252.9	2726.3	2900.3	2887.3
65°	1671.6	2012.9	2463.8	2586.2	2557.2
67.5°	1426.8	1779.4	2194.9	2273.8	2235.2
70°	1194.9	1552.4	1934.0	1974.2	1938.8
72.5°	990.3	1336.6	1669.9	1703.8	1678.0
75°	787.5	1130.5	1426.8	1463.8	1449.3
77.5°	597.4	930.8	1202.9	1251.2	1254.5
80°	430.0	748.8	1008.1	1083.8	1093.4
82.5°	283.4	581.3	845.4	942.1	956.6
85°	164.2	433.2	715.0	813.2	827.8
87.5°	70.8	312.4	574.9	663.5	681.2
90°	6.7	209.9	461.5	575.3	597.1
92.5°	25.7	190.1	415.2	527.7	550.4
95°	59.8	217.7	443.5	564.7	592.5
97.5°	321.3	431.6	556.5	687.3	721.8
100°	678.8	770.4	762.8	834.6	864.2
102.5°	1058.0	1136.6	1041.3	955.9	942.2
105°	1242.1	1294.3	1332.2	1091.1	1017.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1021.2	1054.3	1124.1	1162.6	1142.3
115°	871.2	883.7	962.8	1005.8	1003.8
117.5°	748.7	758.0	829.1	861.2	856.9
120°	632.0	644.9	711.2	731.8	731.5
122.5°	526.2	545.9	604.8	627.1	621.1
125°	435.4	455.2	513.5	535.0	531.5
127.5°	373.8	382.0	435.5	460.3	465.2
130°	322.9	331.2	375.8	404.8	408.0
132.5°	287.9	297.8	331.9	360.2	369.2
135°	261.2	270.3	296.3	323.0	330.2
137.5°	239.6	247.8	265.8	292.4	299.7
140°	222.9	229.5	242.6	265.2	271.7
142.5°	209.5	214.5	221.9	242.1	246.9
145°	197.8	200.3	206.1	221.5	227.2
147.5°	187.8	191.1	195.3	202.6	208.2
150°	178.6	182.8	184.4	187.8	193.4
152.5°	170.3	174.4	176.1	175.3	179.4
155°	162.8	166.9	167.8	167.8	169.4
157.5°	140.0	142.5	145.0	145.8	145.8
160°	135.0	136.7	139.2	139.2	140.0
162.5°	130.0	131.7	133.3	134.2	135.0
165°	125.8	127.5	128.3	129.2	130.0
167.5°	122.5	123.3	124.2	125.0	125.0
170°	119.2	120.0	120.8	120.8	121.7
172.5°	116.7	117.5	118.3	118.3	118.3
175°	115.0	115.0	115.8	115.8	116.7
177.5°	113.3	114.2	114.2	114.2	115.0
180°	113.3	113.3	113.3	113.3	113.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1253.8	1303.0	1371.2	1276.1	1139.2
110°	1157.9	1209.0	1276.8	1274.4	1216.7



(END OF REPORT)