

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: P828033

Luminaire Tested: **OHBL-24HE-MFL-UNV-L935-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828033
REPORT IS A COMBINATION OF REPORTS P826073 AND G3-2310-221-12
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-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

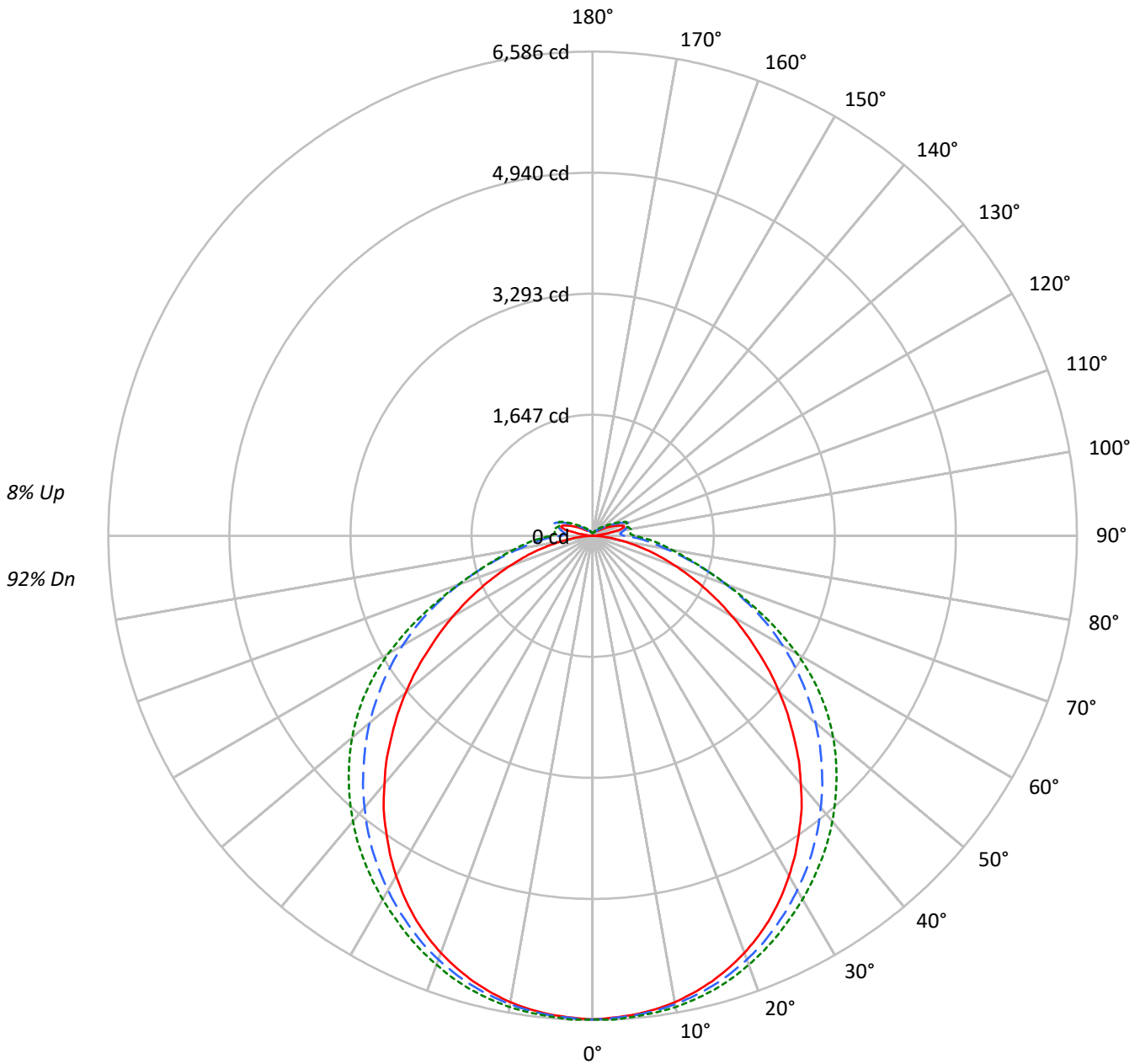
Lumens per Lamp: N/A
Luminaire Lumens: 20730.3 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 141.4
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	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	92																			
1	106	101	97	93	103	98	94	91	93	89	86	87	85	82	82	80	78	76																			
2	97	88	81	75	93	86	79	74	81	75	71	76	72	68	72	69	65	63																			
3	88	77	69	63	85	75	68	61	71	65	59	67	62	57	64	59	55	53																			
4	80	68	60	53	78	67	58	52	63	56	50	60	54	49	57	52	47	45																			
5	74	61	52	45	71	59	51	45	56	49	44	54	47	42	51	46	41	39																			
6	68	55	46	40	66	54	45	39	51	44	38	49	42	37	46	41	36	34																			
7	63	50	41	35	61	49	40	35	46	39	34	44	38	33	42	36	32	30																			
8	59	45	37	31	57	44	36	31	42	35	30	40	34	29	39	33	29	27																			
9	55	42	33	28	53	41	33	28	39	32	27	37	31	27	36	30	26	24																			
10	52	38	30	25	50	38	30	25	36	29	25	35	28	24	33	28	24	22																			

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	3.0
10°-20°	1788.7	8.6
20°-30°	2705.1	13.0
30°-40°	3247.4	15.7
40°-50°	3354.1	16.2
50°-60°	3017.6	14.6
60°-70°	2273.1	11.0
70°-80°	1372.6	6.6
80°-90°	673.9	3.3
90°-100°	381.7	1.8
100°-110°	506.2	2.4
110°-120°	391.0	1.9
120°-130°	195.5	0.9
130°-140°	99.2	0.5
140°-150°	55.0	0.3
150°-160°	29.2	0.1
160°-170°	12.5	0.1
170°-180°	3.8	0.0
0°-30°	5117.2	24.7
0°-40°	8364.7	40.3
0°-60°	14736.4	71.1
0°-90°	19056.0	91.9
90°-120°	1278.9	6.2
90°-150°	1628.7	7.9
90°-180°	1674.0	8.1
0°-180°	20730.3	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°	2	184	429	541	565	12
95°	29	163	378	486	516	75
105°	442	492	540	489	478	419
115°	313	337	410	445	446	313
125°	160	170	222	249	255	148
135°	96	102	125	150	156	76
145°	79	79	81	95	100	49
155°	66	69	68	67	69	28
165°	43	43	44	44	44	12
175°	39	39	39	39	39	4
180°	38	38	38	38	38	



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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°	2.5	184.1	429.0	541.2	565.4
92.5°	12.3	159.2	382.8	492.7	514.6
95°	28.9	162.7	377.7	486.3	515.8
97.5°	122.2	219.1	404.0	503.1	525.9
100°	239.7	331.2	436.1	512.9	530.0
102.5°	375.5	434.9	464.7	499.3	506.3
105°	442.1	491.8	540.5	489.4	478.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	361.2	394.3	470.8	499.3	491.5
115°	312.9	337.0	410.3	444.9	446.3
117.5°	266.2	287.2	354.1	387.1	390.2
120°	225.3	243.2	302.8	331.8	338.2
122.5°	192.0	204.2	259.8	287.9	293.6
125°	159.6	170.3	221.8	249.2	254.8
127.5°	133.8	142.0	189.7	217.8	222.7
130°	117.9	122.9	162.5	190.7	195.5
132.5°	106.2	112.0	141.1	167.7	175.0
135°	96.2	102.0	124.7	149.7	156.1
137.5°	89.6	94.5	109.9	133.2	140.5
140°	84.6	88.7	98.4	118.5	125.0
142.5°	81.2	82.8	87.8	106.2	111.9
145°	78.6	78.7	81.1	94.8	100.5
147.5°	74.4	76.1	77.8	84.2	89.9
150°	71.9	74.4	73.6	76.1	80.9
152.5°	68.6	71.1	70.2	69.5	72.8
155°	66.1	68.6	67.8	67.0	68.6
157.5°	47.5	49.2	49.2	50.0	50.0
160°	45.8	46.7	47.5	47.5	47.5
162.5°	44.2	45.0	45.0	45.8	45.8
165°	43.3	43.3	44.2	44.2	44.2
167.5°	41.7	41.7	42.5	42.5	42.5
170°	40.8	40.8	40.8	41.7	41.7
172.5°	40.0	40.0	40.0	40.0	40.0
175°	39.2	39.2	39.2	39.2	39.2
177.5°	38.3	39.2	39.2	39.2	39.2
180°	38.3	38.3	38.3	38.3	38.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	444.6	493.0	557.0	516.9	471.7
110°	407.9	454.0	522.7	533.6	499.2



(END OF REPORT)