

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: P828367

Luminaire Tested: **OHBL-30HE-MFL-UNV-L940-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828367
REPORT IS A COMBINATION OF REPORTS P826121 AND G3-2310-221-10
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30HE-MFL-UNV-L940-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

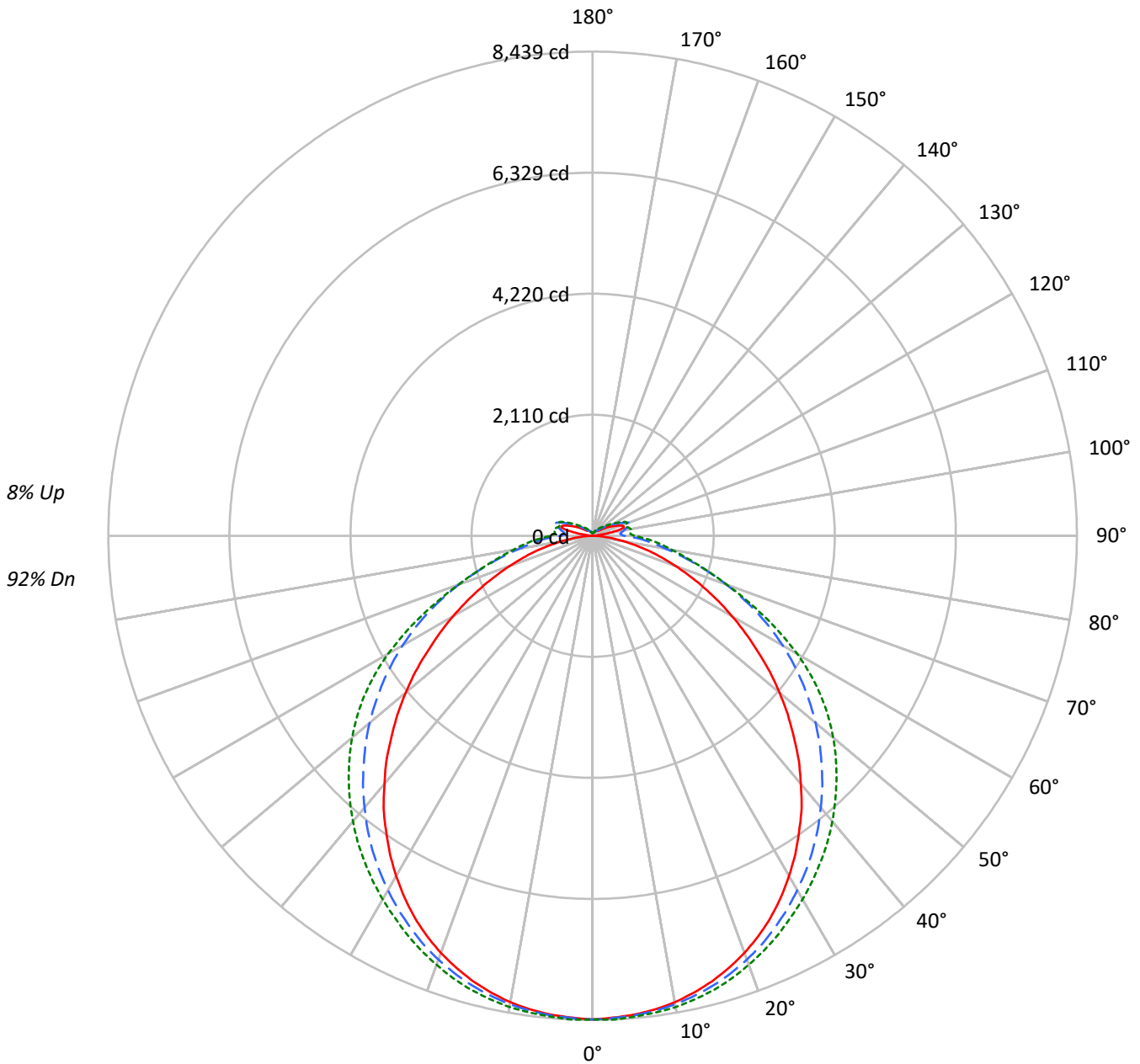
Lumens per Lamp: N/A
Luminaire Lumens: 26553.9 lumens
Efficiency: N/A
Efficacy: 152.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 174.1
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°	13334	13334	13334
5°	13193	13207	13304
10°	13045	13091	13290
15°	12843	12952	13256
20°	12595	12781	13179
25°	12281	12569	13103
30°	11868	12338	13030
35°	11381	12093	12980
40°	10807	11809	12940
45°	10141	11501	12876
50°	9418	11190	12791
55°	8547	10808	12594
60°	7655	10359	12097
65°	6687	9785	11203
70°	5644	9054	10247
75°	4582	8209	9744
80°	3290	7599	10207
85°	1855	7898	12797



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	798.9	3.0
10°-20°	2291.9	8.6
20°-30°	3466.1	13.1
30°-40°	4161.1	15.7
40°-50°	4297.8	16.2
50°-60°	3866.6	14.6
60°-70°	2912.7	11.0
70°-80°	1758.8	6.6
80°-90°	863.5	3.3
90°-100°	488.7	1.8
100°-110°	645.4	2.4
110°-120°	498.3	1.9
120°-130°	249.5	0.9
130°-140°	126.6	0.5
140°-150°	70.1	0.3
150°-160°	37.1	0.1
160°-170°	15.9	0.1
170°-180°	4.8	0.0
0°-30°	6556.9	24.7
0°-40°	10718.1	40.4
0°-60°	18882.5	71.1
0°-90°	24417.4	92.0
90°-120°	1632.4	6.1
90°-150°	2078.6	7.8
90°-180°	2136.0	8.0
0°-180°	26553.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8431	8431	8431	8431	8431	
5°	8378	8400	8390	8423	8413	796
15°	8039	8078	8116	8184	8192	2266
25°	7342	7422	7527	7645	7664	3377
35°	6277	6424	6688	6890	6931	3924
45°	4954	5204	5639	5947	6011	3825
55°	3510	3873	4461	4797	4855	3147
65°	2142	2579	3157	3314	3277	2128
75°	1009	1448	1828	1876	1857	1076
85°	210	555	916	1042	1061	243
90°	3	236	549	693	724	15
95°	35	209	485	623	661	95
105°	565	627	690	624	610	535
115°	396	426	523	569	569	400
125°	200	217	284	319	324	188
135°	123	131	158	191	200	98
145°	100	100	103	122	128	63
155°	84	87	87	85	88	36
165°	55	55	56	56	56	16
175°	50	50	50	50	50	5
180°	50	50	50	50	50	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8431.2	8431.2	8431.2	8431.2	8431.2
2.5°	8406.4	8427.0	8414.7	8441.4	8439.4
5°	8377.5	8400.2	8389.9	8422.9	8412.6
7.5°	8328.0	8352.8	8350.7	8387.8	8383.7
10°	8255.7	8282.6	8290.8	8340.3	8340.3
12.5°	8156.7	8191.8	8212.4	8272.2	8274.3
15°	8039.1	8078.3	8115.5	8183.6	8191.8
17.5°	7896.7	7946.3	7997.8	8076.3	8086.5
20°	7735.8	7791.5	7861.7	7944.2	7956.5
22.5°	7550.1	7616.1	7706.9	7803.9	7818.3
25°	7341.7	7422.1	7527.4	7645.0	7663.5
27.5°	7104.4	7197.3	7339.6	7471.7	7488.2
30°	6846.4	6955.8	7133.3	7290.1	7316.9
32.5°	6574.0	6699.9	6918.7	7094.1	7131.2
35°	6277.0	6423.5	6687.6	6889.7	6931.0
37.5°	5984.0	6144.9	6444.1	6675.2	6724.7
40°	5641.4	5841.5	6184.1	6440.0	6499.8
42.5°	5319.5	5536.2	5924.1	6202.6	6260.4
45°	4954.3	5204.0	5639.3	5946.8	6010.7
47.5°	4611.8	4882.1	5364.9	5682.7	5748.7
50°	4250.6	4547.8	5071.9	5404.1	5472.2
52.5°	3889.5	4209.4	4768.6	5113.2	5177.1
55°	3509.9	3873.0	4461.1	4797.4	4855.2
57.5°	3157.0	3540.8	4145.4	4465.3	4500.3
60°	2808.3	3206.6	3823.6	4104.1	4116.6
62.5°	2467.8	2886.7	3493.3	3716.3	3699.7
65°	2141.9	2579.3	3157.0	3313.9	3276.7
67.5°	1828.2	2280.1	2812.5	2913.6	2864.0
70°	1531.1	1989.1	2478.2	2529.7	2484.4
72.5°	1269.0	1712.6	2139.8	2183.1	2150.0
75°	1009.0	1448.5	1828.2	1875.7	1857.0
77.5°	765.5	1192.6	1541.4	1603.3	1607.4
80°	551.0	959.5	1291.7	1388.7	1401.0
82.5°	363.2	744.9	1083.3	1207.1	1225.7
85°	210.5	555.1	916.1	1042.0	1060.6
87.5°	90.8	400.3	736.7	850.1	872.8
90°	2.6	235.8	549.3	693.3	724.5
92.5°	14.9	203.9	489.8	629.3	660.7
95°	34.7	209.1	485.1	622.8	661.4
97.5°	156.7	286.4	517.8	639.7	673.9
100°	305.3	423.8	555.1	654.8	677.3
102.5°	483.6	550.5	594.4	636.9	646.1
105°	564.8	627.1	689.6	624.1	609.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	459.1	504.4	597.7	635.7	628.3
115°	395.6	426.5	522.9	568.6	569.1
117.5°	343.8	364.7	450.7	494.4	498.8
120°	289.9	309.8	385.0	424.5	431.9
122.5°	242.9	260.1	332.6	369.2	374.6
125°	200.0	216.6	283.7	319.1	324.4
127.5°	170.9	181.2	241.8	278.9	283.4
130°	150.1	156.5	207.1	243.0	249.3
132.5°	135.3	142.9	180.2	214.1	223.3
135°	123.1	130.8	158.1	190.8	199.9
137.5°	114.4	120.3	140.2	170.1	179.2
140°	107.8	112.5	125.4	151.0	160.2
142.5°	103.8	105.6	111.4	135.8	142.0
145°	99.7	99.5	103.2	121.5	127.6
147.5°	95.4	97.1	98.9	107.1	114.2
150°	91.0	94.9	93.6	96.6	102.8
152.5°	87.6	90.5	90.2	88.2	93.1
155°	84.1	87.0	86.7	84.7	87.6
157.5°	60.9	61.7	62.6	63.5	63.5
160°	58.3	59.1	60.0	60.0	60.9
162.5°	56.5	57.4	57.4	58.3	58.3
165°	54.8	54.8	55.6	55.6	55.6
167.5°	53.0	53.0	53.9	53.9	54.8
170°	51.3	52.2	52.2	52.2	53.0
172.5°	50.4	50.4	51.3	51.3	51.3
175°	49.6	49.6	49.6	50.4	50.4
177.5°	48.7	49.6	49.6	49.6	49.6
180°	49.6	49.6	49.6	49.6	49.6



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	564.8	625.5	710.5	657.1	603.9
110°	522.2	578.1	667.0	680.4	636.8



(END OF REPORT)