

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: P830398

Luminaire Tested: **OHBL-36SE-MCL-UNV-L850-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36SE-MCL-UNV-L850-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 5000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

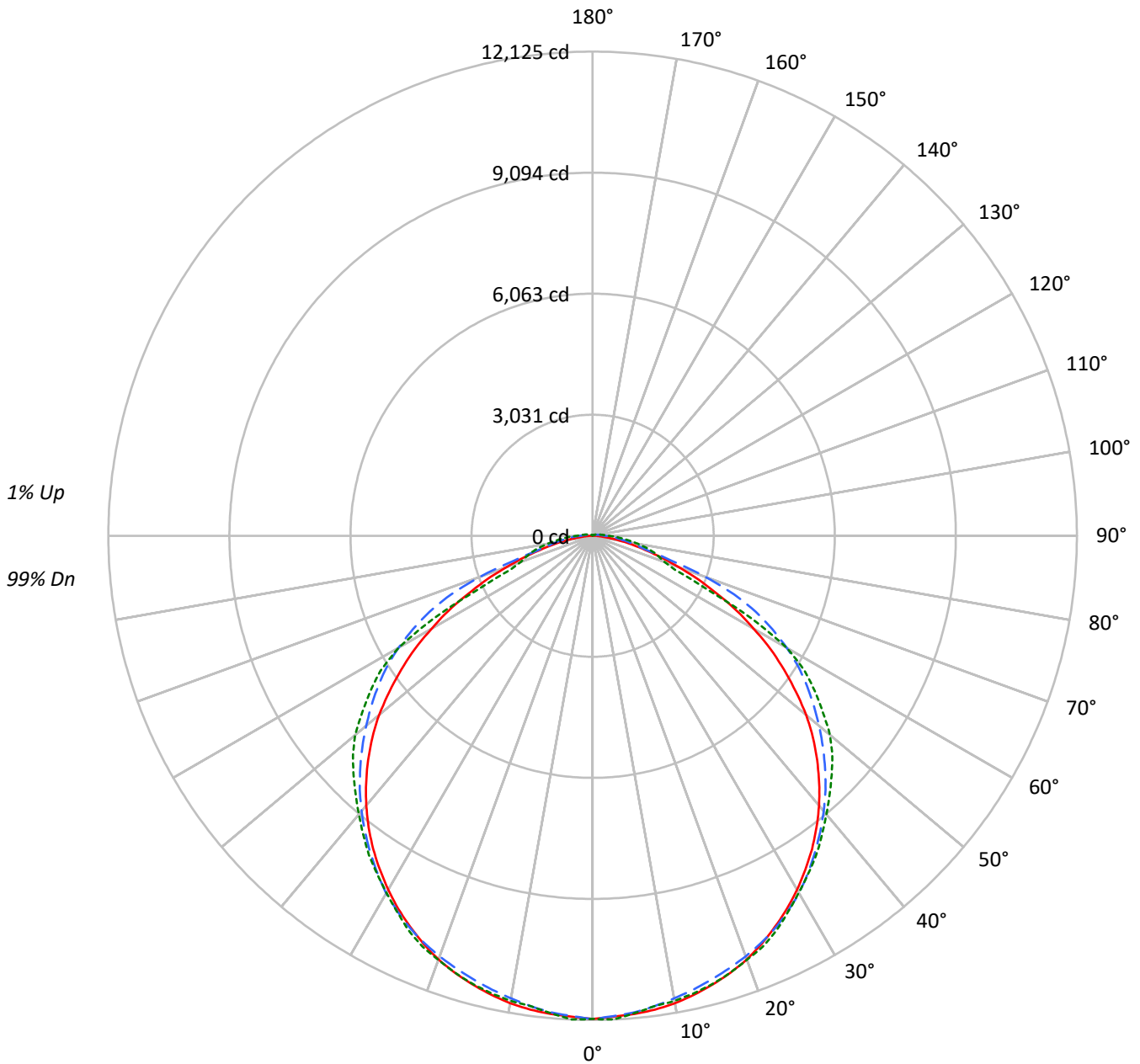
Lumens per Lamp: N/A
Luminaire Lumens: 34200.9 lumens
Efficiency: N/A
Efficacy: 162.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 211
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	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101					99															
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86					83															
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72					70															
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61					59															
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53					51															
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46					44															
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40					38															
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36					34															
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32					30															
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29					27															
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26					24															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19136	19136	19136
5°	19011	18858	18898
10°	18942	18573	18688
15°	18821	18359	18563
20°	18701	18225	18399
25°	18476	18089	18236
30°	18230	17875	17891
35°	17937	17536	17701
40°	17555	17186	17442
45°	17027	16781	17327
50°	16310	16320	17190
55°	15172	15866	16548
60°	13681	15202	15299
65°	11736	13970	9696
70°	9453	10905	7030
75°	7087	6474	7135
80°	4933	5383	6811
85°	2808	4932	6384



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1141.0	3.3
10°-20°	3271.7	9.6
20°-30°	4996.9	14.6
30°-40°	6063.0	17.7
40°-50°	6354.6	18.6
50°-60°	5758.2	16.8
60°-70°	3860.7	11.3
70°-80°	1733.6	5.1
80°-90°	629.1	1.8
90°-100°	189.4	0.6
100°-110°	89.3	0.3
110°-120°	44.8	0.1
120°-130°	24.7	0.1
130°-140°	17.0	0.0
140°-150°	11.4	0.0
150°-160°	8.5	0.0
160°-170°	5.4	0.0
170°-180°	1.7	0.0
0°-30°	9409.6	27.5
0°-40°	15472.6	45.2
0°-60°	27585.4	80.7
0°-90°	33808.7	98.9
90°-120°	323.5	0.9
90°-150°	376.5	1.1
90°-180°	392.0	1.1
0°-180°	34200.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12100	12100	12100	12100	12100	
5°	12022	12064	11980	12016	12001	###
15°	11631	11586	11504	11605	11619	3284
25°	10806	10758	10834	10933	10902	4981
35°	9577	9600	9698	9801	9763	5986
45°	7948	8078	8228	8438	8465	6123
55°	5849	6131	6549	6811	6796	5221
65°	3433	3970	4507	3804	3106	3420
75°	1351	1960	1442	1475	1571	1476
85°	233	446	572	691	724	284
90°	2	149	296	371	388	14
95°	2	93	203	247	254	2
105°	7	40	100	121	126	8
115°	14	21	51	65	68	13
125°	12	14	32	37	38	12
135°	16	18	19	28	30	12
145°	16	18	18	19	21	10
155°	18	19	19	19	18	8
165°	19	19	19	19	19	5
175°	19	19	18	16	16	2
180°	18	18	18	18	18	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12100.3	12100.3	12100.3	12100.3	12100.3
2.5°	12051.4	12102.1	12039.1	12107.3	12124.8
5°	12021.6	12063.6	11979.6	12016.4	12000.6
7.5°	11967.4	11981.4	11881.6	11911.4	11879.9
10°	11886.9	11879.9	11762.7	11820.4	11827.4
12.5°	11767.9	11746.9	11641.9	11729.4	11731.2
15°	11631.4	11586.0	11503.7	11605.2	11619.2
17.5°	11474.0	11414.5	11360.3	11491.5	11470.5
20°	11290.3	11220.3	11209.8	11353.3	11300.8
22.5°	11062.8	11008.6	11033.1	11169.5	11136.3
25°	10805.6	10758.4	10833.6	10933.3	10901.9
27.5°	10534.4	10506.4	10592.2	10669.2	10607.9
30°	10237.0	10221.3	10335.0	10398.0	10321.0
32.5°	9913.3	9918.6	10027.0	10112.8	10041.0
35°	9577.4	9600.1	9698.1	9801.3	9762.9
37.5°	9208.2	9259.0	9356.9	9474.2	9433.9
40°	8818.1	8891.5	9000.0	9141.7	9105.0
42.5°	8396.4	8489.1	8629.1	8786.6	8783.1
45°	7948.5	8078.0	8228.4	8438.4	8464.6
47.5°	7483.1	7628.3	7819.0	8099.0	8139.2
50°	6977.5	7159.4	7397.4	7733.3	7757.8
52.5°	6414.1	6662.5	6977.5	7299.4	7269.7
55°	5849.0	6130.7	6548.8	6811.3	6795.5
57.5°	5285.6	5602.3	6109.7	6296.9	6295.1
60°	4655.7	5056.4	5611.0	5752.7	5612.8
62.5°	4073.1	4503.5	5079.1	4975.9	4496.5
65°	3432.7	3969.9	4507.0	3803.7	3105.6
67.5°	2864.1	3424.0	3828.2	2605.2	2230.8
70°	2292.0	2909.6	2984.8	1933.3	1907.1
72.5°	1784.6	2442.5	2059.3	1655.1	1739.1
75°	1350.7	1959.6	1441.7	1474.9	1571.2
77.5°	985.0	1504.7	1121.5	1293.0	1371.7
80°	677.1	1065.5	915.0	1086.5	1140.7
82.5°	425.2	703.3	733.1	874.8	930.8
85°	232.7	446.2	572.1	691.1	724.3
87.5°	96.2	269.4	437.4	533.6	561.6
90°	1.7	148.7	295.7	370.9	388.4
92.5°	1.7	113.7	241.4	299.2	311.4
95°	1.7	92.7	203.0	246.7	253.7
97.5°	3.5	73.5	169.7	204.7	211.7
100°	5.2	61.2	141.7	171.5	176.7
102.5°	7.0	49.0	119.0	143.5	148.7
105°	7.0	40.2	99.7	120.7	126.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.2	24.5	59.5	75.2	78.7
115°	14.0	21.0	50.7	64.7	68.2
117.5°	14.0	17.5	43.7	54.2	57.7
120°	14.0	15.7	38.5	47.2	49.0
122.5°	14.0	14.0	33.2	42.0	43.7
125°	12.2	14.0	31.5	36.7	38.5
127.5°	14.0	14.0	28.0	33.2	35.0
130°	14.0	15.7	24.5	31.5	31.5
132.5°	15.7	17.5	22.7	29.7	29.7
135°	15.7	17.5	19.2	28.0	29.7
137.5°	17.5	17.5	17.5	26.2	28.0
140°	17.5	17.5	15.7	22.7	24.5
142.5°	15.7	17.5	15.7	21.0	22.7
145°	15.7	17.5	17.5	19.2	21.0
147.5°	17.5	17.5	17.5	17.5	19.2
150°	17.5	17.5	17.5	17.5	17.5
152.5°	17.5	17.5	17.5	17.5	17.5
155°	17.5	19.2	19.2	19.2	17.5
157.5°	17.5	19.2	19.2	19.2	19.2
160°	17.5	19.2	19.2	19.2	19.2
162.5°	19.2	19.2	19.2	19.2	19.2
165°	19.2	19.2	19.2	19.2	19.2
167.5°	19.2	21.0	19.2	19.2	19.2
170°	19.2	19.2	19.2	17.5	17.5
172.5°	19.2	19.2	19.2	17.5	17.5
175°	19.2	19.2	17.5	15.7	15.7
177.5°	21.0	19.2	17.5	15.7	14.0
180°	17.5	17.5	17.5	17.5	17.5



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	8.7	33.2	85.7	103.2	106.7
110°	10.5	28.0	71.7	87.5	91.0



(END OF REPORT)