

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: P830448

Luminaire Tested: **OHBL-36SE-W-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830448
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36SE-W-UNV-L935-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

Summary

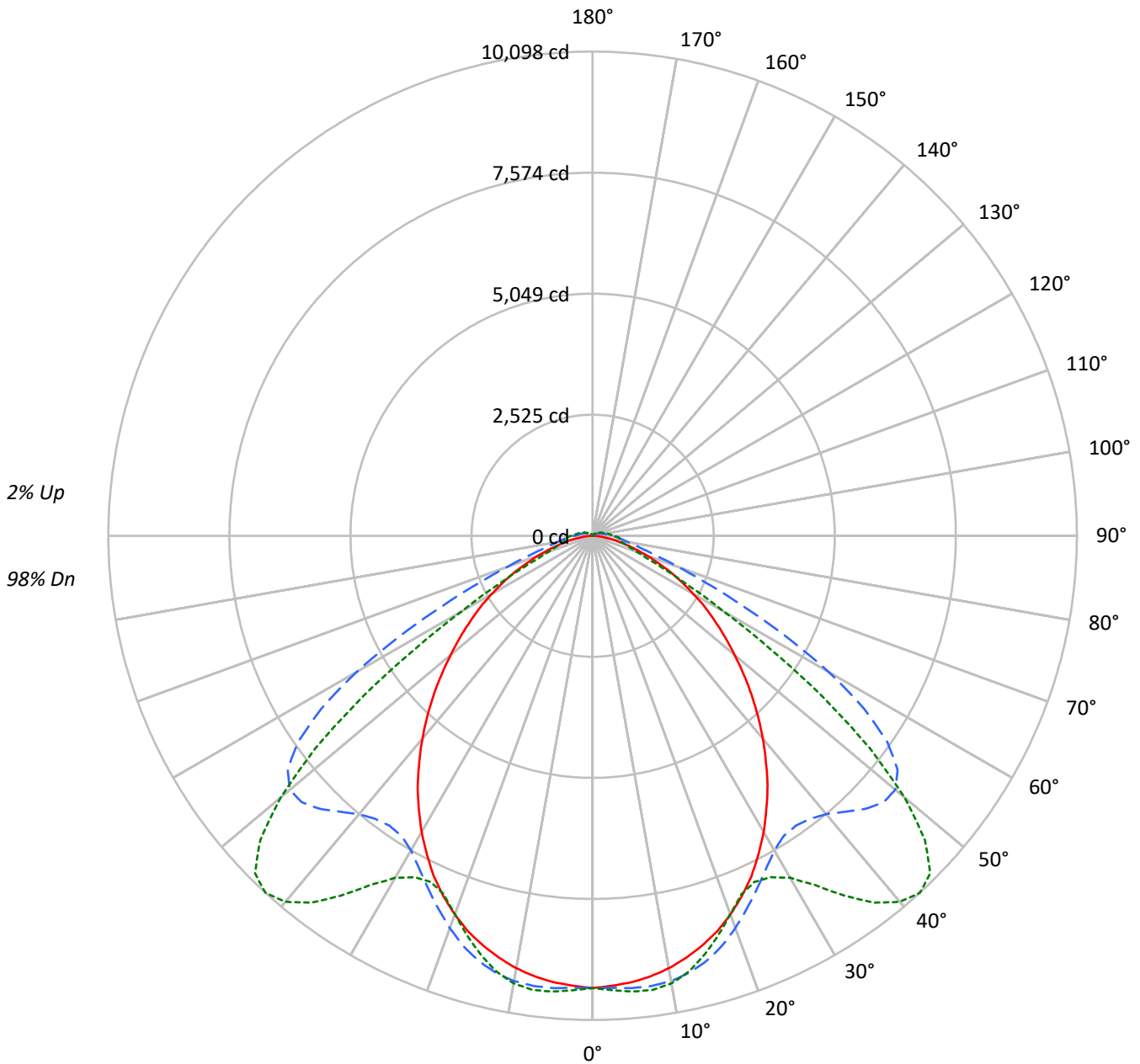
Lumens per Lamp: N/A
Luminaire Lumens: 28244.0 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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	105	105	105	100	100	100					98															
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85					83															
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72					70															
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61					59															
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52					50															
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45					43															
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40					38															
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35					33															
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31					29															
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28					26															
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25					24															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14918	14918	14918
5°	14779	14904	15024
10°	14593	14888	14979
15°	14309	14648	14436
20°	13919	14151	13668
25°	13397	13548	13331
30°	12703	13102	14274
35°	11911	13351	16612
40°	10992	14469	19087
45°	10031	16424	20376
50°	9029	18175	18809
55°	8088	18170	14233
60°	7129	15389	8598
65°	6116	10642	5128
70°	4969	6893	3623
75°	3780	4953	3253
80°	2713	4370	3476
85°	1841	4842	4897



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	901.4	3.2
10°-20°	2552.6	9.0
20°-30°	3735.3	13.2
30°-40°	4851.0	17.2
40°-50°	5923.7	21.0
50°-60°	5216.7	18.5
60°-70°	2718.5	9.6
70°-80°	1165.8	4.1
80°-90°	559.8	2.0
90°-100°	263.0	0.9
100°-110°	163.5	0.6
110°-120°	96.7	0.3
120°-130°	52.5	0.2
130°-140°	26.4	0.1
140°-150°	12.7	0.0
150°-160°	4.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7189.3	25.5
0°-40°	12040.3	42.6
0°-60°	23180.7	82.1
0°-90°	27624.8	97.8
90°-120°	523.2	1.9
90°-150°	614.8	2.2
90°-180°	619.0	2.2
0°-180°	28244.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9433	9433	9433	9433	9433	
5°	9346	9417	9468	9551	9541	886
15°	8843	9091	9179	9109	9036	2490
25°	7835	8255	8114	7962	7970	3596
35°	6360	7032	7384	8611	9162	3964
45°	4683	5892	8053	9750	9954	3611
55°	3118	5161	7500	6576	5845	2798
65°	1789	3576	3433	1909	1642	1770
75°	720	1673	1103	755	716	786
85°	153	596	562	550	556	170
90°	2	216	370	423	434	11
95°	4	126	295	346	356	3
105°	8	71	191	230	234	9
115°	12	41	118	144	149	13
125°	14	20	69	90	92	12
135°	12	12	33	55	57	9
145°	16	12	14	26	30	10
155°	16	16	12	12	12	5
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9433.0	9433.0	9433.0	9433.0	9433.0
2.5°	9392.3	9433.0	9435.0	9492.0	9485.9
5°	9345.5	9416.7	9467.6	9551.0	9540.8
7.5°	9268.1	9380.1	9469.6	9561.2	9553.1
10°	9158.2	9310.9	9428.9	9504.2	9479.8
12.5°	9015.8	9217.3	9333.3	9349.5	9302.7
15°	8842.8	9091.1	9178.6	9109.4	9036.1
17.5°	8647.4	8938.4	8969.0	8818.4	8726.8
20°	8403.2	8734.9	8704.4	8496.8	8395.0
22.5°	8132.5	8511.1	8413.4	8195.6	8097.9
25°	7835.4	8254.6	8114.2	7961.6	7969.7
27.5°	7487.4	7963.6	7827.2	7896.4	8026.7
30°	7133.2	7658.3	7574.9	7977.8	8234.3
32.5°	6744.5	7344.9	7420.2	8216.0	8635.2
35°	6359.9	7031.5	7383.6	8610.8	9162.3
37.5°	5934.5	6714.0	7442.6	9066.7	9644.6
40°	5521.4	6404.7	7576.9	9475.7	9964.2
42.5°	5100.1	6127.9	7802.8	9717.9	10098.5
45°	4682.9	5891.8	8053.1	9750.5	9954.0
47.5°	4265.7	5692.4	8226.1	9492.0	9398.4
50°	3862.7	5515.3	8238.3	8871.3	8488.7
52.5°	3486.2	5352.5	8014.5	7882.2	7287.9
55°	3117.9	5161.2	7499.6	6575.6	5845.0
57.5°	2782.1	4896.6	6705.9	5171.3	4373.6
60°	2425.9	4538.4	5680.1	3783.4	3154.5
62.5°	2098.3	4092.7	4530.3	2633.5	2267.2
65°	1788.9	3575.8	3433.3	1909.0	1642.4
67.5°	1461.2	3040.5	2533.8	1392.1	1221.1
70°	1204.8	2544.0	1886.6	1082.7	983.0
72.5°	942.3	2071.8	1410.4	879.2	824.2
75°	720.4	1672.9	1103.1	755.0	716.4
77.5°	531.2	1322.9	887.3	667.5	630.9
80°	372.4	1042.0	742.8	596.3	582.1
82.5°	250.3	805.9	632.9	567.8	569.8
85°	152.6	596.3	561.7	549.5	555.6
87.5°	73.3	423.3	482.3	500.7	506.8
90°	2.0	215.7	370.4	423.3	433.5
92.5°	0.0	164.8	325.6	378.5	388.7
95°	4.1	126.2	295.1	346.0	356.2
97.5°	4.1	103.8	264.6	317.5	323.6
100°	6.1	89.5	236.1	287.0	293.1
102.5°	6.1	79.4	211.7	256.4	260.5
105°	8.1	71.2	191.3	230.0	234.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.2	48.8	134.3	162.8	166.9
115°	12.2	40.7	118.0	144.5	148.6
117.5°	14.2	36.6	103.8	128.2	130.3
120°	14.2	30.5	89.5	114.0	116.0
122.5°	14.2	24.4	79.4	101.8	103.8
125°	14.2	20.4	69.2	89.5	91.6
127.5°	12.2	14.2	59.0	79.4	81.4
130°	12.2	12.2	48.8	69.2	73.3
132.5°	12.2	12.2	40.7	61.1	65.1
135°	12.2	12.2	32.6	54.9	57.0
137.5°	12.2	12.2	26.5	46.8	50.9
140°	12.2	12.2	20.4	40.7	42.7
142.5°	14.2	12.2	18.3	34.6	36.6
145°	16.3	12.2	14.2	26.5	30.5
147.5°	16.3	14.2	14.2	22.4	24.4
150°	16.3	16.3	12.2	16.3	20.4
152.5°	16.3	16.3	12.2	12.2	16.3
155°	16.3	16.3	12.2	12.2	12.2
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	10.2	63.1	171.0	205.6	209.6
110°	10.2	54.9	150.6	183.2	187.2



(END OF REPORT)