

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: P830676

Luminaire Tested: **OHBL-60SE-A-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830676
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-60SE-A-UNV-L935-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

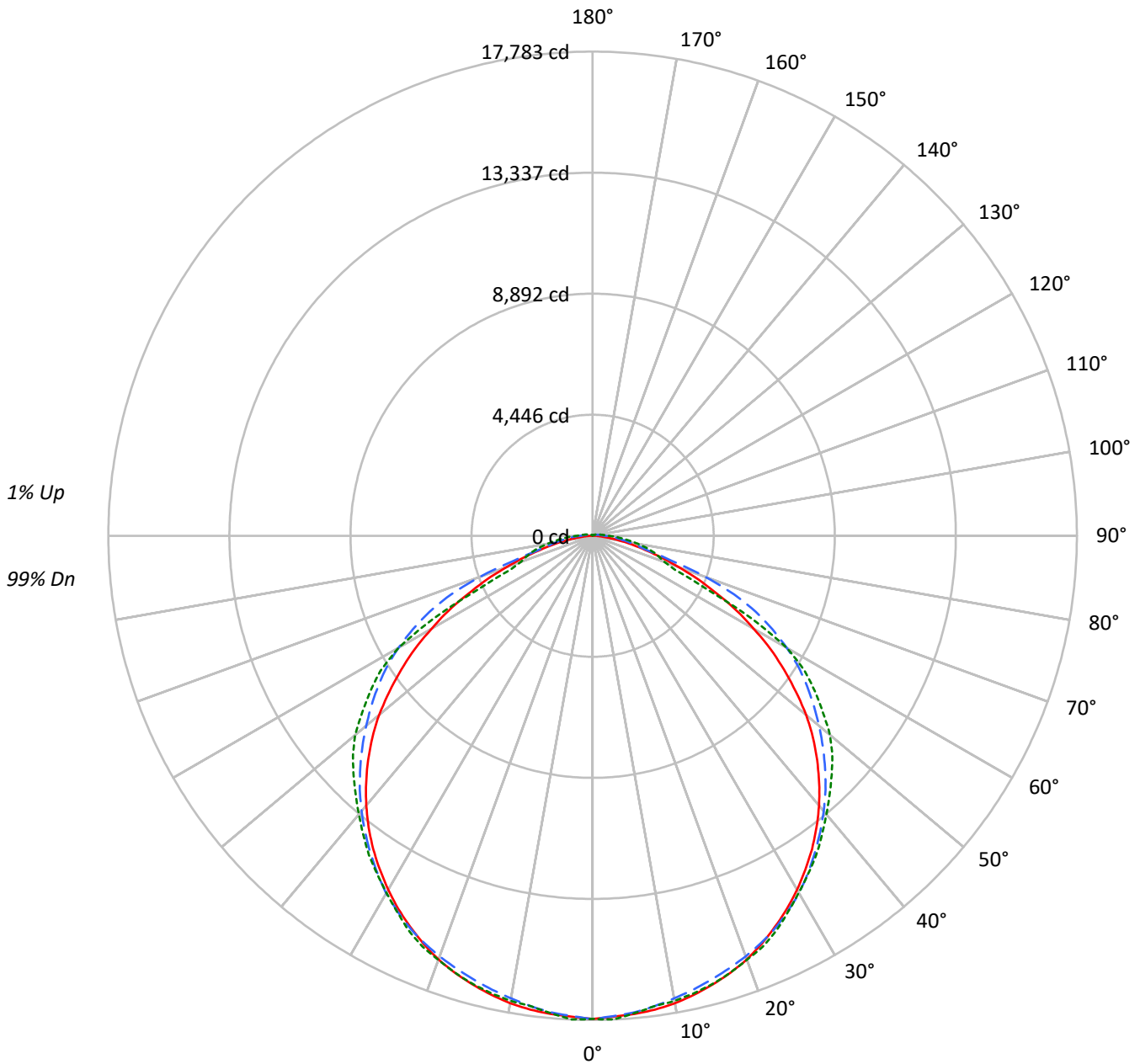
Lumens per Lamp: N/A
Luminaire Lumens: 50161.0 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 362
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	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101	99				99
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86	83				83
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70				70
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61	59				59
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53	51				51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46	44				44
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40	38				38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36	34				34
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32	30				30
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29	27				27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30312	30312	30312
5°	30113	29858	29915
10°	30003	29392	29564
15°	29813	29041	29347
20°	29622	28814	29067
25°	29265	28586	28790
30°	28876	28233	28224
35°	28411	27682	27901
40°	27807	27113	27469
45°	26970	26455	27261
50°	25835	25707	27013
55°	24032	24968	25969
60°	21671	23894	23968
65°	18590	21924	15157
70°	14974	17080	10957
75°	11226	10109	11073
80°	7814	8366	10500
85°	4447	7596	9714



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1673.4	3.3
10°-20°	4798.5	9.6
20°-30°	7328.8	14.6
30°-40°	8892.3	17.7
40°-50°	9320.0	18.6
50°-60°	8445.3	16.8
60°-70°	5662.2	11.3
70°-80°	2542.6	5.1
80°-90°	922.7	1.8
90°-100°	277.7	0.6
100°-110°	131.1	0.3
110°-120°	65.7	0.1
120°-130°	36.2	0.1
130°-140°	24.9	0.0
140°-150°	16.8	0.0
150°-160°	12.5	0.0
160°-170°	8.0	0.0
170°-180°	2.5	0.0
0°-30°	13800.6	27.5
0°-40°	22692.9	45.2
0°-60°	40458.2	80.7
0°-90°	49585.7	98.9
90°-120°	474.5	0.9
90°-150°	552.4	1.1
90°-180°	575.0	1.1
0°-180°	50161.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17747	17747	17747	17747	17747	
5°	17632	17693	17570	17624	17601	###
15°	17059	16993	16872	17021	17041	4817
25°	15848	15779	15889	16035	15989	7305
35°	14047	14080	14224	14375	14319	8780
45°	11658	11848	12068	12376	12415	8980
55°	8578	8992	9605	9990	9967	7657
65°	5035	5822	6610	5579	4555	5016
75°	1981	2874	2114	2163	2304	2165
85°	341	654	839	1014	1062	416
90°	3	218	434	544	570	20
95°	3	136	298	362	372	3
105°	10	59	146	177	185	12
115°	20	31	74	95	100	19
125°	18	20	46	54	56	18
135°	23	26	28	41	44	18
145°	23	26	26	28	31	15
155°	26	28	28	28	26	12
165°	28	28	28	28	28	8
175°	28	28	26	23	23	3
180°	26	26	26	26	26	



TEST NUMBER: P830676

CATALOG NUMBER: OHBL-60SE-A-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17747.0	17747.0	17747.0	17747.0	17747.0
2.5°	17675.2	17749.6	17657.2	17757.3	17782.9
5°	17631.5	17693.1	17569.9	17623.8	17600.7
7.5°	17552.0	17572.5	17426.2	17469.9	17423.7
10°	17433.9	17423.7	17251.8	17336.4	17346.7
12.5°	17259.4	17228.7	17074.7	17203.0	17205.6
15°	17059.3	16992.6	16872.0	17020.8	17041.3
17.5°	16828.3	16741.1	16661.6	16854.0	16823.2
20°	16558.9	16456.3	16440.9	16651.3	16574.3
22.5°	16225.3	16145.8	16181.7	16381.8	16333.1
25°	15848.1	15778.8	15889.2	16035.4	15989.2
27.5°	15450.4	15409.3	15535.0	15648.0	15558.1
30°	15014.1	14991.0	15157.8	15250.2	15137.3
32.5°	14539.4	14547.1	14706.2	14831.9	14726.7
35°	14046.7	14080.1	14223.8	14375.2	14318.7
37.5°	13505.3	13579.7	13723.4	13895.3	13836.3
40°	12933.0	13040.8	13199.9	13407.8	13353.9
42.5°	12314.6	12450.6	12655.9	12886.9	12881.7
45°	11657.7	11847.6	12068.3	12376.2	12414.7
47.5°	10975.1	11188.1	11467.8	11878.4	11937.4
50°	10233.5	10500.4	10849.4	11342.1	11378.0
52.5°	9407.2	9771.6	10233.5	10705.7	10662.1
55°	8578.4	8991.5	9604.8	9989.7	9966.7
57.5°	7752.1	8216.6	8960.7	9235.3	9232.8
60°	6828.3	7416.0	8229.4	8437.3	8232.0
62.5°	5973.8	6605.1	7449.3	7297.9	6594.8
65°	5034.6	5822.4	6610.2	5578.7	4554.8
67.5°	4200.7	5021.8	5614.6	3820.9	3271.8
70°	3361.6	4267.4	4377.7	2835.5	2797.0
72.5°	2617.4	3582.2	3020.3	2427.5	2550.7
75°	1981.0	2874.0	2114.4	2163.2	2304.3
77.5°	1444.7	2206.8	1644.9	1896.3	2011.8
80°	993.1	1562.7	1342.1	1593.5	1673.1
82.5°	623.6	1031.6	1075.2	1283.0	1365.2
85°	341.3	654.4	839.1	1013.6	1062.4
87.5°	141.1	395.2	641.5	782.7	823.7
90°	2.6	218.1	433.7	544.0	569.7
92.5°	2.6	166.8	354.1	438.8	456.8
95°	2.6	136.0	297.7	361.8	372.1
97.5°	5.1	107.8	248.9	300.2	310.5
100°	7.7	89.8	207.9	251.5	259.2
102.5°	10.3	71.9	174.5	210.4	218.1
105°	10.3	59.0	146.3	177.1	184.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	18.0	35.9	87.2	110.3	115.5
115°	20.5	30.8	74.4	94.9	100.1
117.5°	20.5	25.7	64.2	79.5	84.7
120°	20.5	23.1	56.5	69.3	71.9
122.5°	20.5	20.5	48.8	61.6	64.2
125°	18.0	20.5	46.2	53.9	56.5
127.5°	20.5	20.5	41.1	48.8	51.3
130°	20.5	23.1	35.9	46.2	46.2
132.5°	23.1	25.7	33.4	43.6	43.6
135°	23.1	25.7	28.2	41.1	43.6
137.5°	25.7	25.7	25.7	38.5	41.1
140°	25.7	25.7	23.1	33.4	35.9
142.5°	23.1	25.7	23.1	30.8	33.4
145°	23.1	25.7	25.7	28.2	30.8
147.5°	25.7	25.7	25.7	25.7	28.2
150°	25.7	25.7	25.7	25.7	25.7
152.5°	25.7	25.7	25.7	25.7	25.7
155°	25.7	28.2	28.2	28.2	25.7
157.5°	25.7	28.2	28.2	28.2	28.2
160°	25.7	28.2	28.2	28.2	28.2
162.5°	28.2	28.2	28.2	28.2	28.2
165°	28.2	28.2	28.2	28.2	28.2
167.5°	28.2	30.8	28.2	28.2	28.2
170°	28.2	28.2	28.2	25.7	25.7
172.5°	28.2	28.2	28.2	25.7	25.7
175°	28.2	28.2	25.7	23.1	23.1
177.5°	30.8	28.2	25.7	23.1	20.5
180°	25.7	25.7	25.7	25.7	25.7



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	12.8	48.8	125.7	151.4	156.5
110°	15.4	41.1	105.2	128.3	133.4



(END OF REPORT)