

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: P830724

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830724
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-60SE-NL-UNV-L935-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

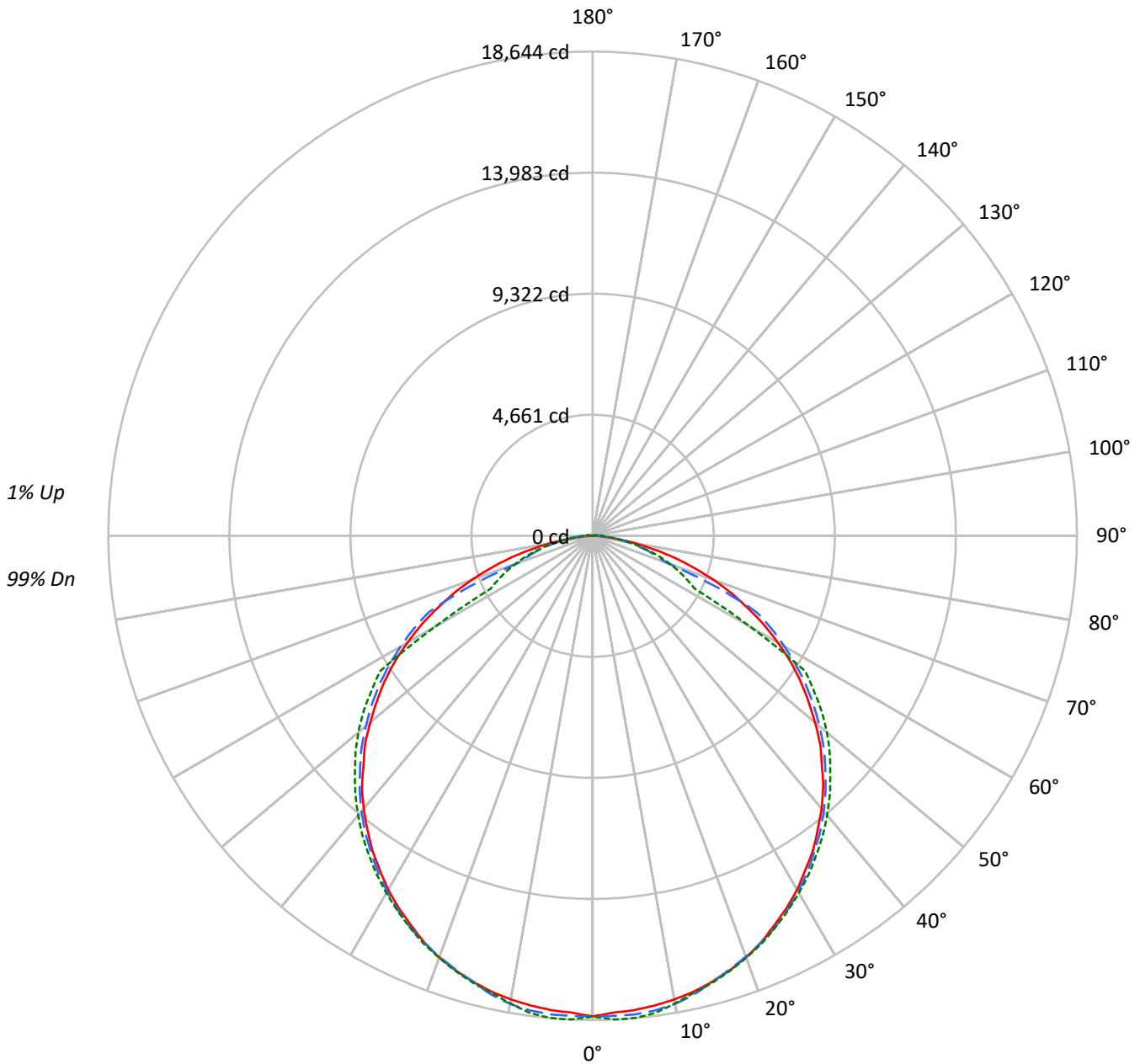
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51962.0 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.67' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 362
Input Voltage (V): NR
Input Current (Ain): 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

TEST NUMBER: P830724
CATALOG NUMBER: OHBL-60SE-NL-UNV-L935-CD

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	111	111	111	106	106	106	102	102	102					99															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31611	31611	31611
5°	31436	31720	31960
10°	31445	31744	31704
15°	31439	31434	31503
20°	31397	31349	31426
25°	31182	31341	31365
30°	31038	31198	31320
35°	30836	31005	31296
40°	30570	30860	31316
45°	30129	30584	31251
50°	29675	30280	31280
55°	29107	29862	30936
60°	28132	29131	24084
65°	26617	28164	16209
70°	24618	14952	15731
75°	21473	14208	15022
80°	16514	13034	13767
85°	8335	13173	13489



TEST NUMBER: P830724

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1758.3	3.4
10°-20°	5034.5	9.7
20°-30°	7660.3	14.7
30°-40°	9313.9	17.9
40°-50°	9793.1	18.8
50°-60°	8942.3	17.2
60°-70°	5732.5	11.0
70°-80°	2707.9	5.2
80°-90°	750.9	1.4
90°-100°	198.9	0.4
100°-110°	54.4	0.1
110°-120°	15.1	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	14453.1	27.8
0°-40°	23766.9	45.7
0°-60°	42502.3	81.8
0°-90°	51693.6	99.5
90°-120°	268.4	0.5
90°-150°	268.4	0.5
90°-180°	268.0	0.5
0°-180°	51962.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18508	18508	18508	18508	18508	
5°	18335	18407	18501	18602	18641	###
15°	17780	17913	17777	17803	17816	5020
25°	16546	16572	16630	16656	16643	7635
35°	14789	14701	14870	15052	15010	9242
45°	12474	12451	12662	12961	12938	9641
55°	9775	9700	10028	10363	10389	8717
65°	6586	6586	6969	3998	4011	6529
75°	3254	3316	2153	2267	2276	3430
85°	425	539	672	728	688	629
90°	0	182	299	354	348	19
95°	10	94	214	289	289	5
105°	16	36	52	52	49	16
115°	16	23	32	23	3	11
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P830724

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18507.5	18507.5	18507.5	18507.5	18507.5
2.5°	18377.6	18439.5	18507.5	18595.2	18643.7
5°	18335.3	18406.8	18501.0	18601.7	18640.6
7.5°	18244.5	18344.9	18436.0	18507.5	18530.2
10°	18130.7	18251.0	18303.0	18296.4	18280.3
12.5°	17978.0	18104.9	18088.8	18013.8	18026.9
15°	17780.0	17913.1	17776.9	17802.7	17815.8
17.5°	17546.2	17676.2	17517.0	17568.9	17572.3
20°	17273.6	17370.9	17247.4	17289.7	17289.7
22.5°	16945.5	17013.6	16961.7	16990.9	16997.5
25°	16546.0	16571.8	16630.3	16656.4	16643.3
27.5°	16163.0	16130.4	16244.2	16305.7	16273.0
30°	15737.4	15685.4	15818.5	15919.2	15880.4
32.5°	15250.2	15217.9	15370.5	15490.5	15467.8
35°	14789.1	14701.4	14870.2	15052.1	15009.8
37.5°	14243.5	14191.5	14383.1	14574.9	14552.2
40°	13710.9	13623.2	13840.8	14068.1	14045.4
42.5°	13139.5	13035.3	13272.5	13545.5	13519.4
45°	12473.5	12450.8	12661.9	12960.7	12938.0
47.5°	11882.8	11769.0	12064.3	12353.5	12379.6
50°	11168.0	11126.0	11395.6	11746.3	11772.1
52.5°	10470.0	10440.8	10723.1	11077.2	11122.6
55°	9774.8	9700.2	10028.2	10362.8	10388.9
57.5°	9031.5	8953.4	9288.0	9651.7	9706.7
60°	8235.5	8160.9	8527.8	8865.8	7050.4
62.5°	7439.9	7388.0	7771.4	5504.6	4436.3
65°	6585.9	6585.9	6968.9	3997.6	4010.7
67.5°	5787.2	5735.3	5196.2	3591.6	3591.6
70°	4929.7	4949.3	2994.0	3147.0	3150.1
72.5°	4069.1	4140.6	2585.2	2708.3	2714.8
75°	3253.9	3315.8	2153.0	2266.8	2276.4
77.5°	2390.2	1838.1	1730.8	1818.8	1821.9
80°	1678.9	1159.4	1325.1	1409.3	1399.7
82.5°	980.6	811.8	970.9	1032.8	1029.4
85°	425.3	539.1	672.2	727.5	688.3
87.5°	136.2	334.5	418.8	451.4	448.0
90°	0.0	181.9	298.8	353.8	347.6
92.5°	0.0	142.7	259.9	324.9	328.0
95°	9.6	94.2	214.5	289.2	289.2
97.5°	6.5	68.1	152.7	227.3	233.8
100°	6.5	55.0	100.7	162.3	165.7
102.5°	16.2	45.4	61.5	103.8	107.3
105°	16.2	35.8	51.9	51.9	48.8



TEST NUMBER: P830724

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	19.6	26.1	35.8	26.1	3.1
115°	16.2	22.7	32.3	22.7	3.1
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	16.2	32.3	45.4	29.2	9.6
110°	19.6	29.2	38.9	26.1	3.1



(END OF REPORT)