

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: P830728

Luminaire Tested: **OHBL-60SE-W-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830728
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-60SE-W-UNV-L735-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

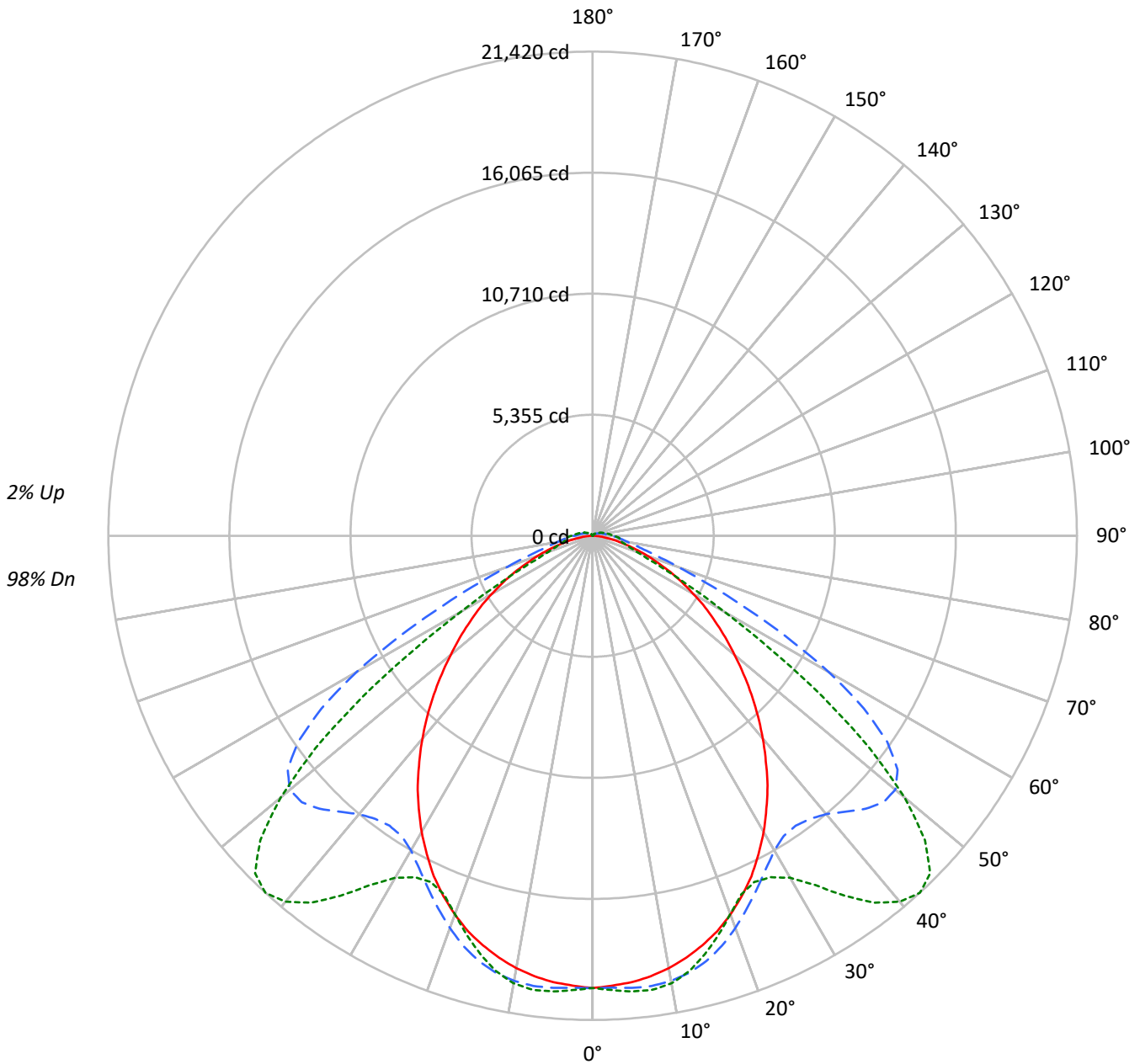
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59908.0 lumens
Efficiency: N/A
Efficacy: 165.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
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									
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°	34174	34174	34174
5°	33856	34126	34396
10°	33430	34074	34269
15°	32778	33510	33006
20°	31885	32358	31229
25°	30690	30964	30438
30°	29099	29927	32565
35°	27285	30480	37869
40°	25181	33010	43474
45°	22979	37444	46361
50°	20684	41404	42747
55°	18527	41351	32303
60°	16330	34982	19481
65°	14010	24153	11592
70°	11383	15612	8168
75°	8659	11186	7302
80°	6216	9822	7748
85°	4219	10786	10776



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1912.0	3.2
10°-20°	5414.2	9.0
20°-30°	7922.8	13.2
30°-40°	10289.4	17.2
40°-50°	12564.7	21.0
50°-60°	11065.2	18.5
60°-70°	5766.1	9.6
70°-80°	2472.7	4.1
80°-90°	1187.5	2.0
90°-100°	557.9	0.9
100°-110°	346.8	0.6
110°-120°	205.0	0.3
120°-130°	111.4	0.2
130°-140°	55.9	0.1
140°-150°	26.9	0.0
150°-160°	9.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	15249.1	25.5
0°-40°	25538.5	42.6
0°-60°	49168.3	82.1
0°-90°	58594.6	97.8
90°-120°	1109.7	1.9
90°-150°	1304.0	2.2
90°-180°	1313.0	2.2
0°-180°	59908.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20008	20008	20008	20008	20008	
5°	19823	19974	20082	20259	20237	###
15°	18756	19283	19469	19322	19166	5281
25°	16620	17509	17211	16887	16904	7627
35°	13490	14914	15661	18264	19434	8408
45°	9933	12497	17081	20682	21113	7659
55°	6613	10947	15907	13947	12398	5935
65°	3794	7584	7282	4049	3484	3754
75°	1528	3548	2340	1602	1520	1666
85°	324	1265	1191	1166	1178	361
90°	4	458	786	898	920	22
95°	9	268	626	734	755	6
105°	17	151	406	488	496	18
115°	26	86	250	306	315	27
125°	30	43	147	190	194	26
135°	26	26	69	117	121	20
145°	34	26	30	56	65	20
155°	34	34	26	26	26	11
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CATALOG NUMBER: OHBL-60SE-W-UNV-L735-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20008.2	20008.2	20008.2	20008.2	20008.2
2.5°	19921.8	20008.2	20012.5	20133.4	20120.4
5°	19822.6	19973.6	20081.6	20258.6	20237.0
7.5°	19658.5	19895.9	20085.9	20280.1	20262.9
10°	19425.4	19749.2	19999.5	20159.3	20107.5
12.5°	19123.2	19550.6	19796.7	19831.2	19731.9
15°	18756.3	19283.0	19468.6	19321.8	19166.4
17.5°	18341.9	18959.2	19024.0	18704.5	18510.3
20°	17823.9	18527.5	18462.8	18022.5	17806.6
22.5°	17249.8	18052.7	17845.5	17383.6	17176.4
25°	16619.5	17508.8	17210.9	16887.2	16904.4
27.5°	15881.4	16891.5	16602.3	16749.0	17025.3
30°	15130.2	16244.0	16067.0	16921.7	17465.6
32.5°	14305.7	15579.2	15738.9	17426.8	18316.0
35°	13489.9	14914.4	15661.2	18264.2	19434.0
37.5°	12587.7	14241.0	15786.4	19231.2	20457.1
40°	11711.4	13584.8	16071.3	20098.8	21134.9
42.5°	10817.8	12997.8	16550.5	20612.5	21419.8
45°	9932.9	12497.0	17081.4	20681.6	21113.3
47.5°	9047.9	12074.0	17448.3	20133.4	19934.8
50°	8193.2	11698.4	17474.2	18816.8	18005.2
52.5°	7394.6	11353.1	16999.4	16718.8	15458.3
55°	6613.3	10947.3	15907.3	13947.4	12397.7
57.5°	5901.0	10386.1	14223.7	10968.9	9276.7
60°	5145.6	9626.4	12048.1	8024.9	6691.0
62.5°	4450.6	8681.0	9609.1	5585.9	4808.9
65°	3794.4	7584.5	7282.4	4049.1	3483.6
67.5°	3099.4	6449.2	5374.4	2952.7	2590.1
70°	2555.5	5395.9	4001.6	2296.5	2085.0
72.5°	1998.7	4394.5	2991.5	1864.8	1748.3
75°	1528.1	3548.4	2339.7	1601.5	1519.5
77.5°	1126.7	2805.9	1882.1	1415.9	1338.2
80°	790.0	2210.2	1575.6	1264.8	1234.6
82.5°	531.0	1709.4	1342.5	1204.4	1208.7
85°	323.8	1264.8	1191.4	1165.5	1178.5
87.5°	155.4	897.9	1023.1	1061.9	1074.9
90°	4.3	457.6	785.7	897.9	919.5
92.5°	0.0	349.7	690.7	802.9	824.5
95°	8.6	267.6	625.9	733.8	755.4
97.5°	8.6	220.2	561.2	673.4	686.4
100°	13.0	189.9	500.7	608.7	621.6
102.5°	13.0	168.4	448.9	543.9	552.5
105°	17.3	151.1	405.8	487.8	496.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	25.9	103.6	284.9	345.3	354.0
115°	25.9	86.3	250.4	306.5	315.1
117.5°	30.2	77.7	220.2	272.0	276.3
120°	30.2	64.8	189.9	241.7	246.1
122.5°	30.2	51.8	168.4	215.8	220.2
125°	30.2	43.2	146.8	189.9	194.3
127.5°	25.9	30.2	125.2	168.4	172.7
130°	25.9	25.9	103.6	146.8	155.4
132.5°	25.9	25.9	86.3	129.5	138.1
135°	25.9	25.9	69.1	116.6	120.9
137.5°	25.9	25.9	56.1	99.3	107.9
140°	25.9	25.9	43.2	86.3	90.7
142.5°	30.2	25.9	38.9	73.4	77.7
145°	34.5	25.9	30.2	56.1	64.8
147.5°	34.5	30.2	30.2	47.5	51.8
150°	34.5	34.5	25.9	34.5	43.2
152.5°	34.5	34.5	25.9	25.9	34.5
155°	34.5	34.5	25.9	25.9	25.9
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°	21.6	133.8	362.6	436.0	444.6
110°	21.6	116.6	319.4	388.5	397.1



(END OF REPORT)