

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: P830680

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830680
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-MCL-UNV-L735-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

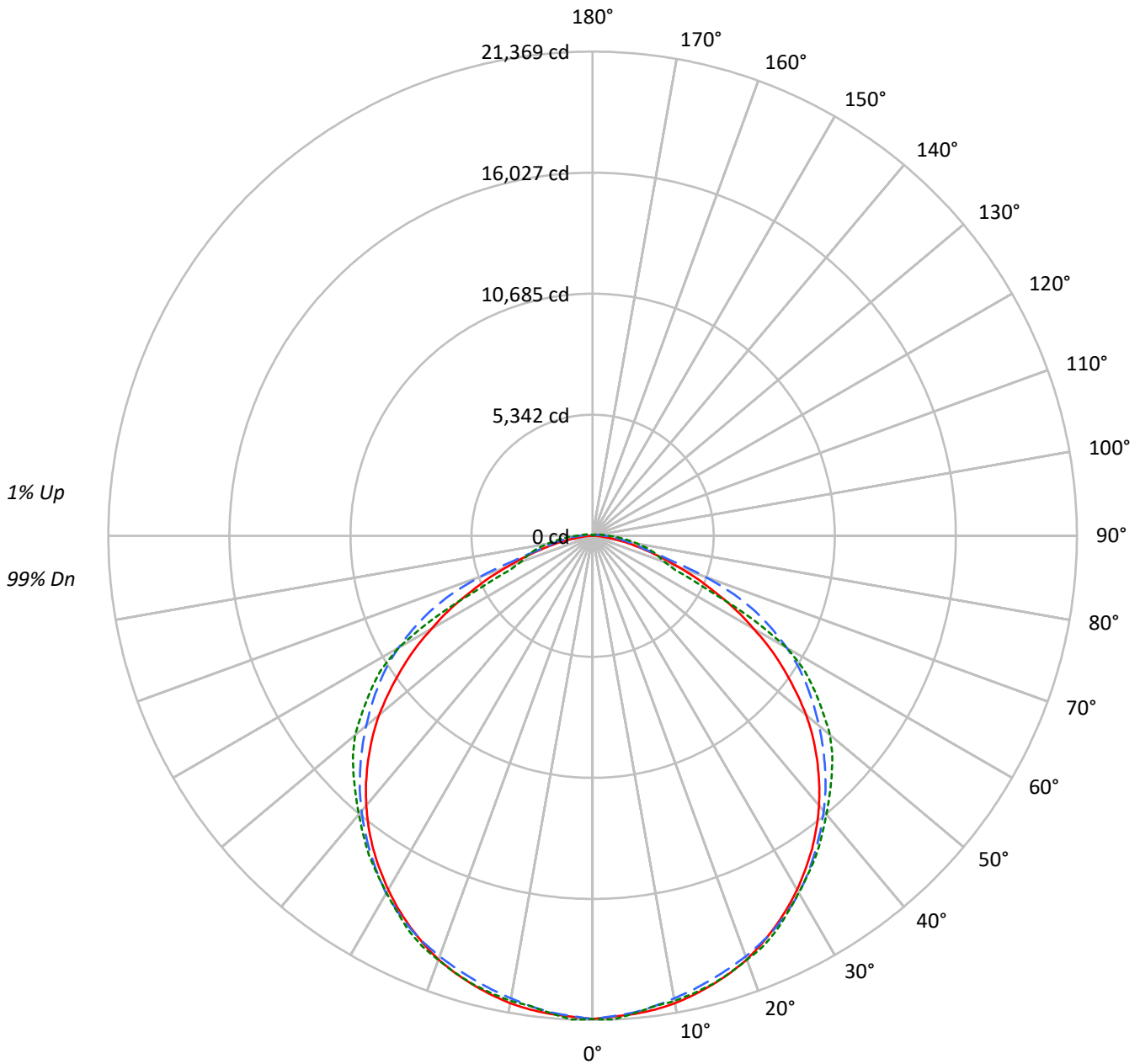
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 60277.0 lumens
Efficiency: N/A
Efficacy: 166.5 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°	36425	36425	36425
5°	36186	35879	35948
10°	36054	35320	35526
15°	35825	34898	35265
20°	35596	34625	34929
25°	35167	34351	34596
30°	34700	33927	33916
35°	34141	33265	33528
40°	33415	32580	33008
45°	32409	31790	32758
50°	31045	30891	32461
55°	28878	30003	31206
60°	26041	28713	28802
65°	22339	26345	18214
70°	17993	20524	13167
75°	13490	12148	13307
80°	9390	10053	12618
85°	5344	9128	11673



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2010.9	3.3
10°-20°	5766.2	9.6
20°-30°	8806.8	14.6
30°-40°	10685.6	17.7
40°-50°	11199.5	18.6
50°-60°	10148.5	16.8
60°-70°	6804.1	11.3
70°-80°	3055.4	5.1
80°-90°	1108.7	1.8
90°-100°	333.7	0.6
100°-110°	157.5	0.3
110°-120°	78.9	0.1
120°-130°	43.6	0.1
130°-140°	29.9	0.0
140°-150°	20.1	0.0
150°-160°	14.9	0.0
160°-170°	9.6	0.0
170°-180°	3.1	0.0
0°-30°	16583.8	27.5
0°-40°	27269.4	45.2
0°-60°	48617.4	80.7
0°-90°	59585.6	98.9
90°-120°	570.1	0.9
90°-150°	663.7	1.1
90°-180°	691.0	1.1
0°-180°	60277.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21326	21326	21326	21326	21326	
5°	21187	21261	21113	21178	21150	###
15°	20500	20420	20275	20453	20478	5788
25°	19044	18961	19094	19269	19214	8778
35°	16880	16920	17092	17274	17206	10550
45°	14009	14237	14502	14872	14918	10792
55°	10308	10805	11542	12004	11977	9202
65°	6050	6997	7943	6704	5473	6028
75°	2380	3454	2541	2600	2769	2602
85°	410	786	1008	1218	1277	500
90°	3	262	521	654	685	25
95°	3	163	358	435	447	4
105°	12	71	176	213	222	14
115°	25	37	89	114	120	23
125°	22	25	56	65	68	21
135°	28	31	34	49	52	22
145°	28	31	31	34	37	18
155°	31	34	34	34	31	14
165°	34	34	34	34	34	9
175°	34	34	31	28	28	3
180°	31	31	31	31	31	



TEST NUMBER: P830680

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21326.1	21326.1	21326.1	21326.1	21326.1
2.5°	21239.7	21329.1	21218.1	21338.4	21369.2
5°	21187.3	21261.3	21113.3	21178.0	21150.3
7.5°	21091.7	21116.4	20940.6	20993.0	20937.5
10°	20949.9	20937.5	20730.9	20832.7	20845.0
12.5°	20740.2	20703.2	20518.2	20672.3	20675.4
15°	20499.7	20419.5	20274.6	20453.4	20478.1
17.5°	20222.1	20117.3	20021.7	20253.0	20216.0
20°	19898.4	19775.0	19756.5	20009.4	19916.9
22.5°	19497.5	19401.9	19445.1	19685.6	19627.0
25°	19044.2	18960.9	19093.5	19269.3	19213.8
27.5°	18566.2	18516.9	18668.0	18803.7	18695.8
30°	18042.0	18014.3	18214.7	18325.7	18190.1
32.5°	17471.6	17480.8	17672.0	17823.1	17696.7
35°	16879.5	16919.6	17092.3	17274.2	17206.4
37.5°	16228.9	16318.3	16491.0	16697.6	16626.7
40°	15541.3	15670.8	15861.9	16111.7	16047.0
42.5°	14798.1	14961.5	15208.2	15485.7	15479.6
45°	14008.7	14236.9	14502.1	14872.1	14918.4
47.5°	13188.5	13444.4	13780.5	14273.9	14344.8
50°	12297.3	12618.0	13037.4	13629.4	13672.6
52.5°	11304.4	11742.3	12297.3	12864.7	12812.3
55°	10308.4	10804.9	11541.8	12004.4	11976.6
57.5°	9315.5	9873.6	10767.9	11097.8	11094.7
60°	8205.4	8911.6	9889.0	10138.8	9892.1
62.5°	7178.6	7937.1	8951.6	8769.7	7924.8
65°	6050.0	6996.6	7943.3	6703.7	5473.4
67.5°	5047.8	6034.6	6746.9	4591.5	3931.6
70°	4039.5	5128.0	5260.6	3407.4	3361.1
72.5°	3145.3	4304.7	3629.4	2917.1	3065.1
75°	2380.5	3453.6	2540.9	2599.5	2769.1
77.5°	1736.1	2651.9	1976.6	2278.8	2417.5
80°	1193.3	1877.9	1612.7	1914.9	2010.5
82.5°	749.3	1239.6	1292.0	1541.8	1640.5
85°	410.1	786.3	1008.3	1218.0	1276.6
87.5°	169.6	474.9	770.9	940.5	989.8
90°	3.1	262.1	521.1	653.7	684.6
92.5°	3.1	200.4	425.5	527.3	548.9
95°	3.1	163.4	357.7	434.8	447.1
97.5°	6.2	129.5	299.1	360.8	373.1
100°	9.3	107.9	249.8	302.2	311.4
102.5°	12.3	86.3	209.7	252.9	262.1
105°	12.3	70.9	175.8	212.8	222.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	21.6	43.2	104.8	132.6	138.8
115°	24.7	37.0	89.4	114.1	120.3
117.5°	24.7	30.8	77.1	95.6	101.8
120°	24.7	27.8	67.8	83.3	86.3
122.5°	24.7	24.7	58.6	74.0	77.1
125°	21.6	24.7	55.5	64.8	67.8
127.5°	24.7	24.7	49.3	58.6	61.7
130°	24.7	27.8	43.2	55.5	55.5
132.5°	27.8	30.8	40.1	52.4	52.4
135°	27.8	30.8	33.9	49.3	52.4
137.5°	30.8	30.8	30.8	46.3	49.3
140°	30.8	30.8	27.8	40.1	43.2
142.5°	27.8	30.8	27.8	37.0	40.1
145°	27.8	30.8	30.8	33.9	37.0
147.5°	30.8	30.8	30.8	30.8	33.9
150°	30.8	30.8	30.8	30.8	30.8
152.5°	30.8	30.8	30.8	30.8	30.8
155°	30.8	33.9	33.9	33.9	30.8
157.5°	30.8	33.9	33.9	33.9	33.9
160°	30.8	33.9	33.9	33.9	33.9
162.5°	33.9	33.9	33.9	33.9	33.9
165°	33.9	33.9	33.9	33.9	33.9
167.5°	33.9	37.0	33.9	33.9	33.9
170°	33.9	33.9	33.9	30.8	30.8
172.5°	33.9	33.9	33.9	30.8	30.8
175°	33.9	33.9	30.8	27.8	27.8
177.5°	37.0	33.9	30.8	27.8	24.7
180°	30.8	30.8	30.8	30.8	30.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	15.4	58.6	151.1	181.9	188.1
110°	18.5	49.3	126.4	154.2	160.3



(END OF REPORT)