

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: P830692

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

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830692
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-60SE-MFL-UNV-L735-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

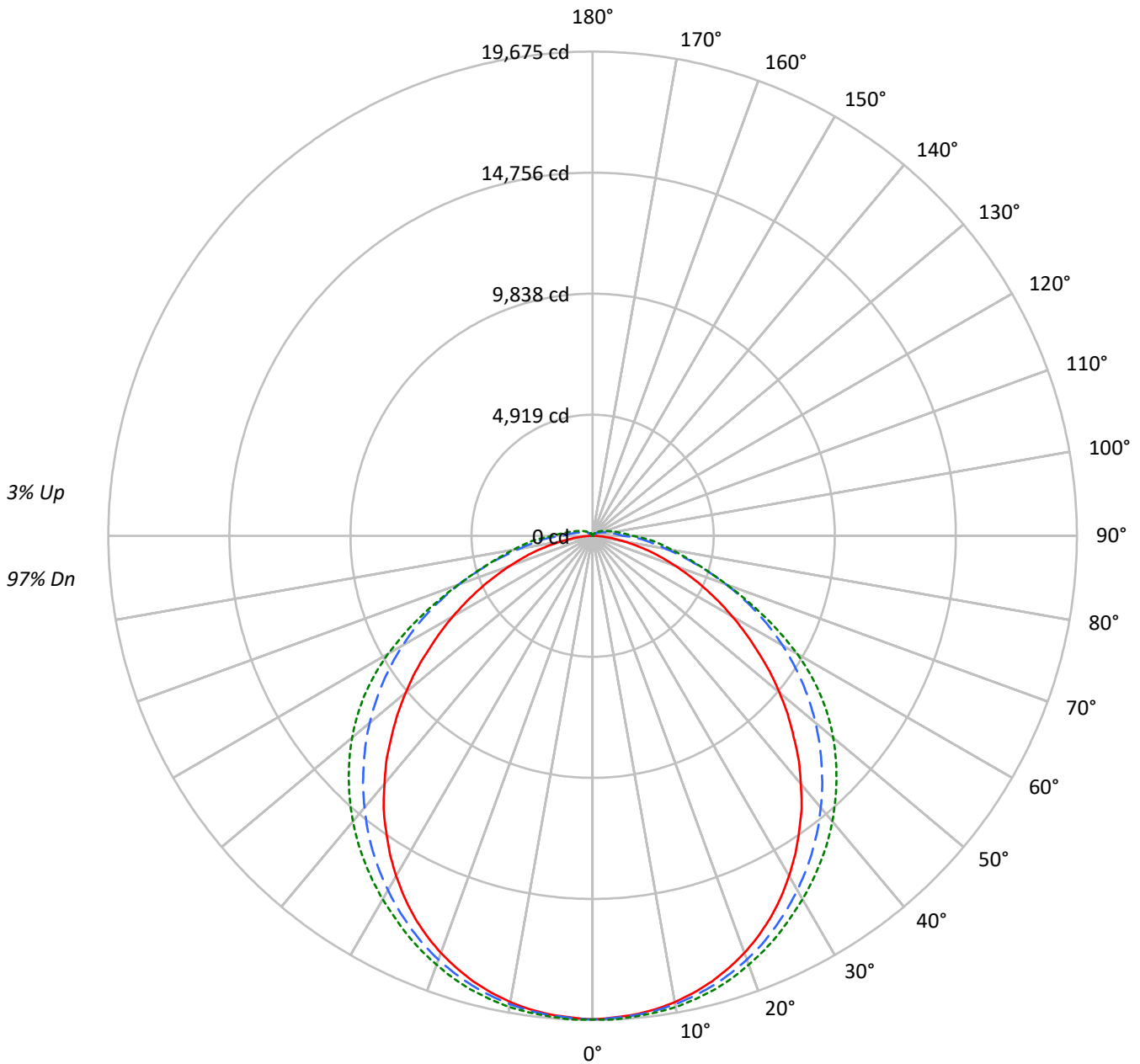
Lumens per Lamp: N/A
Luminaire Lumens: 58827.0 lumens
Efficiency: N/A
Efficacy: 162.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	80																	
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	66																	
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	56																	
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	47																	
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	41																	
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	36																	
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	32																	
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	28																	
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	25																	
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	23																	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33572	33572	33572
5°	33357	33239	33335
10°	33123	32931	33139
15°	32753	32566	32888
20°	32262	32122	32531
25°	31606	31572	32170
30°	30698	30976	31806
35°	29599	30343	31487
40°	28278	29613	31170
45°	26721	28820	30771
50°	25018	28017	30289
55°	22923	27036	29494
60°	20778	25882	27943
65°	18437	24411	25421
70°	15899	22541	22689
75°	13331	20378	20805
80°	10106	18772	20500
85°	6394	19336	22609



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1862.5	3.2
10°-20°	5343.3	9.1
20°-30°	8080.8	13.7
30°-40°	9701.0	16.5
40°-50°	10019.6	17.0
50°-60°	9014.5	15.3
60°-70°	6790.5	11.5
70°-80°	4100.3	7.0
80°-90°	2005.4	3.4
90°-100°	844.1	1.4
100°-110°	481.9	0.8
110°-120°	282.8	0.5
120°-130°	160.0	0.3
130°-140°	84.2	0.1
140°-150°	41.0	0.1
150°-160°	15.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	15286.5	26.0
0°-40°	24987.6	42.5
0°-60°	44021.7	74.8
0°-90°	56917.8	96.8
90°-120°	1608.8	2.7
90°-150°	1894.0	3.2
90°-180°	1909.0	3.2
0°-180°	58827.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19656	19656	19656	19656	19656	
5°	19531	19584	19560	19637	19613	###
15°	18742	18833	18920	19079	19098	5284
25°	17116	17304	17549	17823	17866	7873
35°	14634	14975	15591	16062	16159	9148
45°	11550	12132	13147	13864	14013	8917
55°	8183	9029	10400	11185	11319	7337
65°	4993	6013	7360	7726	7639	4961
75°	2352	3377	4262	4373	4330	2510
85°	491	1294	2136	2429	2473	567
90°	0	505	1222	1539	1602	31
95°	24	342	914	1164	1208	20
105°	34	197	529	693	722	34
115°	38	111	327	438	457	39
125°	38	53	197	284	298	35
135°	34	43	101	173	192	27
145°	48	43	48	87	101	29
155°	48	53	48	43	48	15
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°	19656.0	19656.0	19656.0	19656.0	19656.0
2.5°	19598.2	19646.4	19617.5	19680.0	19675.2
5°	19530.9	19583.8	19559.8	19636.7	19612.7
7.5°	19415.4	19473.2	19468.4	19555.0	19545.3
10°	19247.1	19309.6	19328.9	19444.3	19444.3
12.5°	19016.2	19097.9	19146.1	19285.6	19290.4
15°	18742.0	18833.4	18920.0	19078.7	19097.9
17.5°	18410.0	18525.5	18645.8	18828.6	18852.6
20°	18034.8	18164.7	18328.3	18520.7	18549.5
22.5°	17601.9	17755.8	17967.5	18193.6	18227.2
25°	17116.0	17303.6	17548.9	17823.1	17866.4
27.5°	16562.8	16779.3	17111.2	17419.1	17457.5
30°	15961.5	16216.4	16630.1	16995.7	17058.3
32.5°	15326.5	15619.9	16129.8	16538.7	16625.3
35°	14633.7	14975.3	15591.0	16062.5	16158.7
37.5°	13950.6	14325.9	15023.4	15562.2	15677.6
40°	13152.1	13618.7	14417.3	15013.8	15153.3
42.5°	12401.6	12906.7	13811.1	14460.6	14595.3
45°	11550.2	12132.2	13147.3	13864.1	14013.2
47.5°	10751.6	11381.8	12507.5	13248.3	13402.2
50°	9909.8	10602.5	11824.4	12598.9	12757.6
52.5°	9067.9	9813.6	11117.2	11920.6	12069.7
55°	8182.8	9029.4	10400.4	11184.6	11319.3
57.5°	7360.2	8254.9	9664.4	10410.1	10491.8
60°	6547.2	7475.6	8914.0	9568.2	9597.1
62.5°	5753.4	6730.0	8144.3	8663.8	8625.3
65°	4993.4	6013.2	7360.2	7725.8	7639.2
67.5°	4262.2	5315.7	6556.8	6792.5	6677.1
70°	3569.4	4637.4	5777.5	5897.8	5791.9
72.5°	2958.5	3992.8	4988.6	5089.6	5012.6
75°	2352.4	3377.0	4262.2	4372.8	4329.5
77.5°	1784.7	2780.5	3593.5	3737.8	3747.4
80°	1284.4	2236.9	3011.4	3237.5	3266.4
82.5°	846.7	1736.6	2525.5	2814.2	2857.5
85°	490.7	1294.0	2135.9	2429.3	2472.6
87.5°	211.7	933.2	1717.4	1982.0	2034.9
90°	0.0	505.1	1221.9	1539.4	1601.9
92.5°	14.4	418.5	1048.7	1337.3	1390.3
95°	24.1	341.6	914.0	1164.2	1207.5
97.5°	28.9	288.6	793.7	1015.0	1058.3
100°	28.9	250.1	687.9	890.0	928.4
102.5°	28.9	221.3	601.3	779.3	813.0
105°	33.7	197.2	529.2	692.7	721.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	38.5	129.9	365.6	490.7	509.9
115°	38.5	110.6	327.1	437.8	457.0
117.5°	43.3	96.2	288.6	394.5	408.9
120°	43.3	81.8	255.0	351.2	370.4
122.5°	43.3	67.3	226.1	317.5	331.9
125°	38.5	52.9	197.2	283.8	298.3
127.5°	33.7	43.3	168.4	255.0	269.4
130°	33.7	38.5	144.3	226.1	240.5
132.5°	33.7	43.3	120.3	197.2	216.5
135°	33.7	43.3	101.0	173.2	192.4
137.5°	33.7	43.3	81.8	149.1	168.4
140°	38.5	43.3	67.3	125.1	144.3
142.5°	43.3	43.3	52.9	105.8	120.3
145°	48.1	43.3	48.1	86.6	101.0
147.5°	48.1	48.1	48.1	67.3	81.8
150°	48.1	52.9	48.1	52.9	67.3
152.5°	48.1	52.9	48.1	43.3	52.9
155°	48.1	52.9	48.1	43.3	48.1
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°	33.7	173.2	466.6	615.8	639.8
110°	33.7	153.9	413.7	548.4	572.5



(END OF REPORT)