

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: P830620

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

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830620
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-60HE-MFL-UNV-L735-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

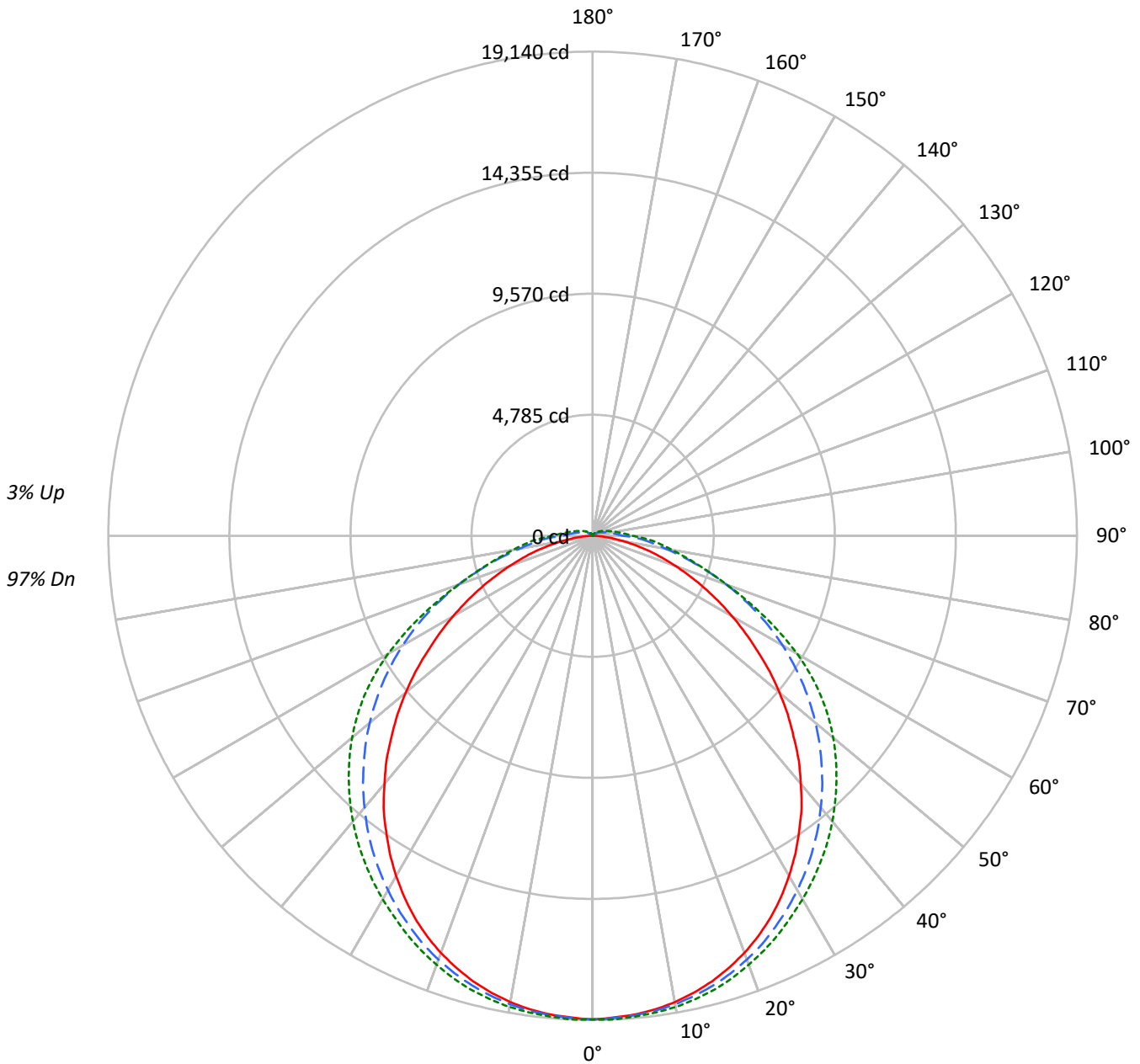
Lumens per Lamp: N/A
Luminaire Lumens: 57226.0 lumens
Efficiency: N/A
Efficacy: 169.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 338
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°	30239	30239	30239
5°	30046	29953	30045
10°	29835	29689	29887
15°	29502	29373	29681
20°	29060	28987	29378
25°	28469	28504	29072
30°	27651	27981	28765
35°	26660	27425	28499
40°	25471	26782	28238
45°	24068	26083	27904
50°	22534	25377	27499
55°	20648	24512	26814
60°	18716	23494	25447
65°	16607	22193	23201
70°	14321	20535	20768
75°	12007	18618	19125
80°	9104	17233	18973
85°	5759	17912	21202



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1811.8	3.2
10°-20°	5197.8	9.1
20°-30°	7860.8	13.7
30°-40°	9437.0	16.5
40°-50°	9746.9	17.0
50°-60°	8769.2	15.3
60°-70°	6605.7	11.5
70°-80°	3988.7	7.0
80°-90°	1950.8	3.4
90°-100°	821.1	1.4
100°-110°	468.7	0.8
110°-120°	275.1	0.5
120°-130°	155.6	0.3
130°-140°	81.9	0.1
140°-150°	39.8	0.1
150°-160°	14.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	14870.5	26.0
0°-40°	24307.5	42.5
0°-60°	42823.6	74.8
0°-90°	55368.8	96.8
90°-120°	1565.0	2.7
90°-150°	1842.4	3.2
90°-180°	1857.0	3.2
0°-180°	57226.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19121	19121	19121	19121	19121	
5°	18999	19051	19027	19102	19079	###
15°	18232	18321	18405	18560	18578	5140
25°	16650	16833	17071	17338	17380	7659
35°	14236	14568	15167	15625	15719	8899
45°	11236	11802	12790	13487	13632	8674
55°	7960	8784	10117	10880	11011	7137
65°	4858	5850	7160	7516	7431	4826
75°	2288	3285	4146	4254	4212	2441
85°	477	1259	2078	2363	2405	552
90°	0	491	1189	1498	1558	30
95°	23	332	889	1132	1175	20
105°	33	192	515	674	702	33
115°	37	108	318	426	445	38
125°	37	52	192	276	290	34
135°	33	42	98	168	187	26
145°	47	42	47	84	98	28
155°	47	52	47	42	47	14
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°	19121.0	19121.0	19121.0	19121.0	19121.0
2.5°	19064.9	19111.7	19083.6	19144.4	19139.7
5°	18999.4	19050.8	19027.4	19102.3	19078.9
7.5°	18887.0	18943.2	18938.5	19022.8	19013.4
10°	18723.3	18784.1	18802.8	18915.1	18915.1
12.5°	18498.6	18578.2	18625.0	18760.7	18765.4
15°	18231.9	18320.8	18405.0	18559.5	18578.2
17.5°	17909.0	18021.3	18138.3	18316.1	18339.5
20°	17544.0	17670.3	17829.4	18016.6	18044.7
22.5°	17122.8	17272.6	17478.5	17698.4	17731.2
25°	16650.2	16832.7	17071.3	17338.1	17380.2
27.5°	16112.0	16322.6	16645.5	16945.0	16982.4
30°	15527.1	15775.1	16177.5	16533.2	16594.0
32.5°	14909.3	15194.8	15690.8	16088.6	16172.9
35°	14235.5	14567.7	15166.7	15625.3	15718.9
37.5°	13571.0	13936.0	14614.5	15138.7	15251.0
40°	12794.1	13248.1	14024.9	14605.2	14740.9
42.5°	12064.1	12555.5	13435.3	14067.0	14198.0
45°	11235.8	11802.1	12789.5	13486.7	13631.8
47.5°	10459.0	11072.0	12167.1	12887.7	13037.5
50°	9640.1	10313.9	11502.6	12256.0	12410.4
52.5°	8821.1	9546.5	10814.7	11596.2	11741.2
55°	7960.1	8783.7	10117.4	10880.2	11011.2
57.5°	7159.9	8030.3	9401.4	10126.8	10206.3
60°	6369.0	7272.2	8671.4	9307.8	9335.9
62.5°	5596.9	6546.8	7922.6	8428.0	8390.6
65°	4857.5	5849.6	7159.9	7515.5	7431.3
67.5°	4146.2	5171.0	6378.4	6607.7	6495.3
70°	3472.3	4511.2	5620.3	5737.2	5634.3
72.5°	2878.0	3884.1	4852.8	4951.1	4876.2
75°	2288.3	3285.1	4146.2	4253.8	4211.7
77.5°	1736.1	2704.8	3495.7	3636.1	3645.4
80°	1249.5	2176.0	2929.5	3149.4	3177.5
82.5°	823.6	1689.4	2456.8	2737.6	2779.7
85°	477.3	1258.8	2077.8	2363.2	2405.3
87.5°	205.9	907.9	1670.6	1928.0	1979.5
90°	0.0	491.4	1188.6	1497.5	1558.3
92.5°	14.0	407.1	1020.2	1300.9	1352.4
95°	23.4	332.3	889.1	1132.5	1174.6
97.5°	28.1	280.8	772.1	987.4	1029.5
100°	28.1	243.3	669.2	865.7	903.2
102.5°	28.1	215.3	585.0	758.1	790.9
105°	32.8	191.9	514.8	673.9	701.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	37.4	126.4	355.7	477.3	496.0
115°	37.4	107.6	318.2	425.8	444.6
117.5°	42.1	93.6	280.8	383.7	397.8
120°	42.1	79.6	248.0	341.6	360.3
122.5°	42.1	65.5	219.9	308.9	322.9
125°	37.4	51.5	191.9	276.1	290.1
127.5°	32.8	42.1	163.8	248.0	262.1
130°	32.8	37.4	140.4	219.9	234.0
132.5°	32.8	42.1	117.0	191.9	210.6
135°	32.8	42.1	98.3	168.5	187.2
137.5°	32.8	42.1	79.6	145.1	163.8
140°	37.4	42.1	65.5	121.7	140.4
142.5°	42.1	42.1	51.5	103.0	117.0
145°	46.8	42.1	46.8	84.2	98.3
147.5°	46.8	46.8	46.8	65.5	79.6
150°	46.8	51.5	46.8	51.5	65.5
152.5°	46.8	51.5	46.8	42.1	51.5
155°	46.8	51.5	46.8	42.1	46.8
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°	32.8	168.5	453.9	599.0	622.4
110°	32.8	149.7	402.4	533.5	556.9



(END OF REPORT)