

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: P830621

Luminaire Tested: **OHBL-60HE-MFL-UNV-L740-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830621
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-L740-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

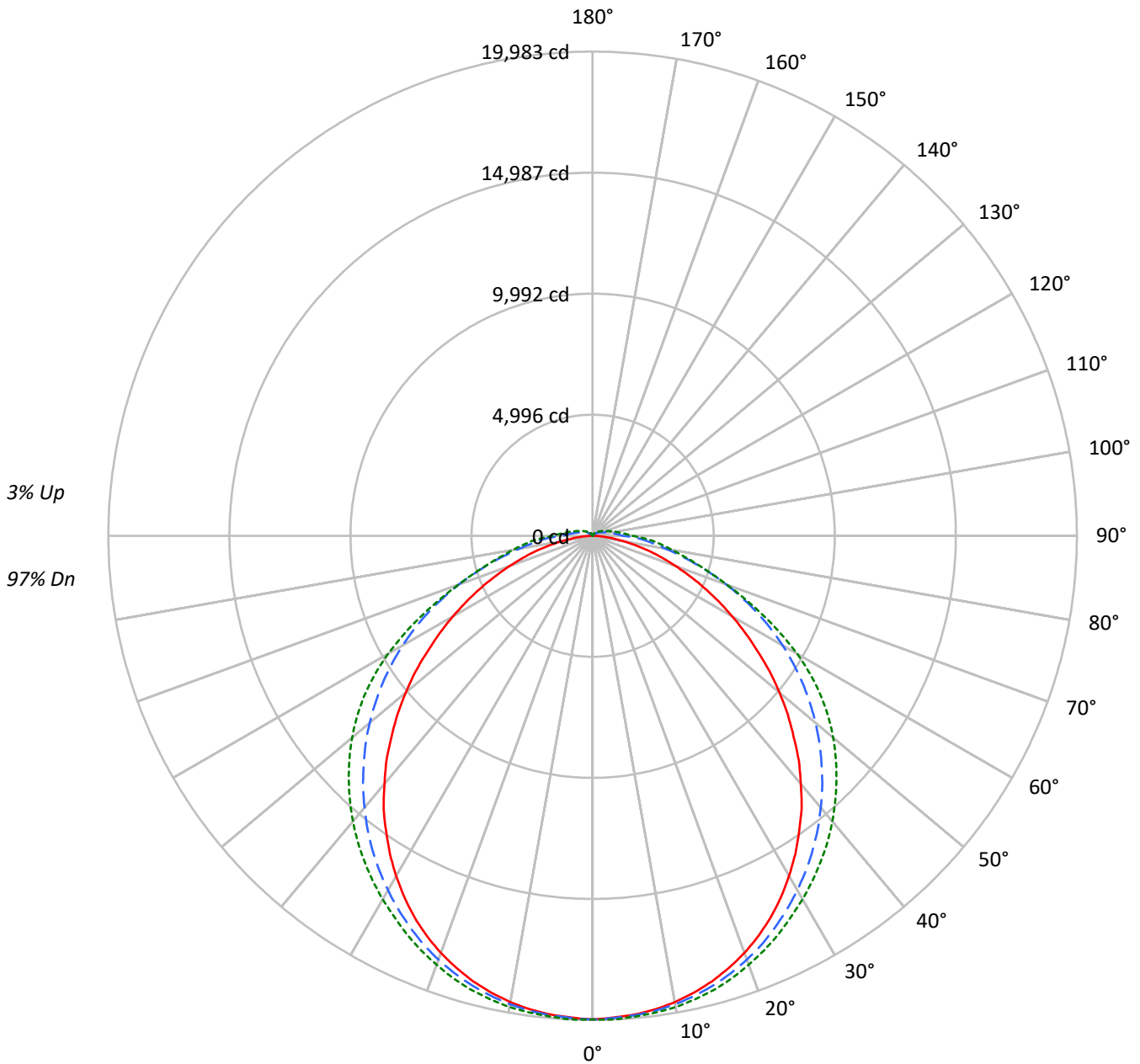
Lumens per Lamp: N/A
Luminaire Lumens: 59748.1 lumens
Efficiency: N/A
Efficacy: 176.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31572	31572	31572
5°	31370	31273	31369
10°	31150	30997	31204
15°	30802	30668	30989
20°	30340	30264	30673
25°	29723	29760	30354
30°	28869	29214	30032
35°	27835	28634	29755
40°	26593	27962	29482
45°	25129	27233	29134
50°	23527	26495	28711
55°	21558	25592	27996
60°	19541	24529	26568
65°	17339	23171	24223
70°	14952	21439	21683
75°	12536	19439	19968
80°	9504	17993	19809
85°	6013	18701	22136



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1891.7	3.2
10°-20°	5426.9	9.1
20°-30°	8207.3	13.7
30°-40°	9852.9	16.5
40°-50°	10176.5	17.0
50°-60°	9155.6	15.3
60°-70°	6896.8	11.5
70°-80°	4164.5	7.0
80°-90°	2036.8	3.4
90°-100°	857.3	1.4
100°-110°	489.4	0.8
110°-120°	287.3	0.5
120°-130°	162.5	0.3
130°-140°	85.6	0.1
140°-150°	41.6	0.1
150°-160°	15.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	15525.9	26.0
0°-40°	25378.8	42.5
0°-60°	44710.9	74.8
0°-90°	57809.0	96.8
90°-120°	1634.0	2.7
90°-150°	1923.6	3.2
90°-180°	1939.0	3.2
0°-180°	59748.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19964	19964	19964	19964	19964	
5°	19837	19890	19866	19944	19920	###
15°	19035	19128	19216	19377	19397	5367
25°	17384	17574	17824	18102	18146	7996
35°	14863	15210	15835	16314	16412	9291
45°	11731	12322	13353	14081	14233	9057
55°	8311	9171	10563	11360	11496	7451
65°	5072	6107	7475	7847	7759	5039
75°	2389	3430	4329	4441	4397	2549
85°	498	1314	2169	2467	2511	576
90°	0	513	1241	1564	1627	31
95°	24	347	928	1182	1226	21
105°	34	200	537	704	733	34
115°	39	112	332	445	464	40
125°	39	54	200	288	303	35
135°	34	44	103	176	195	27
145°	49	44	49	88	103	29
155°	49	54	49	44	49	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°	19963.7	19963.7	19963.7	19963.7	19963.7
2.5°	19905.1	19953.9	19924.6	19988.1	19983.3
5°	19836.7	19890.4	19866.0	19944.2	19919.7
7.5°	19719.4	19778.0	19773.2	19861.1	19851.3
10°	19548.4	19611.9	19631.5	19748.7	19748.7
12.5°	19313.9	19396.9	19445.8	19587.5	19592.4
15°	19035.4	19128.2	19216.2	19377.4	19396.9
17.5°	18698.3	18815.5	18937.7	19123.3	19147.8
20°	18317.2	18449.1	18615.2	18810.6	18840.0
22.5°	17877.4	18033.8	18248.8	18478.4	18512.6
25°	17384.0	17574.5	17823.7	18102.2	18146.2
27.5°	16822.1	17042.0	17379.1	17691.8	17730.9
30°	16211.4	16470.3	16890.5	17261.8	17325.3
32.5°	15566.4	15864.5	16382.4	16797.7	16885.6
35°	14862.8	15209.7	15835.1	16314.0	16411.7
37.5°	14169.1	14550.2	15258.6	15805.8	15923.1
40°	13358.0	13831.9	14643.0	15248.8	15390.5
42.5°	12595.8	13108.8	14027.4	14687.0	14823.8
45°	11731.0	12322.2	13353.1	14081.1	14232.6
47.5°	10919.9	11560.0	12703.3	13455.7	13612.1
50°	10064.9	10768.5	12009.5	12796.1	12957.4
52.5°	9209.9	9967.2	11291.3	12107.2	12258.7
55°	8310.9	9170.8	10563.3	11359.7	11496.5
57.5°	7475.4	8384.2	9815.7	10573.0	10656.1
60°	6649.7	7592.7	9053.5	9718.0	9747.3
62.5°	5843.5	6835.3	8271.8	8799.5	8760.4
65°	5071.5	6107.4	7475.4	7846.7	7758.8
67.5°	4328.9	5398.9	6659.5	6898.9	6781.6
70°	3625.3	4710.0	5867.9	5990.1	5882.6
72.5°	3004.8	4055.3	5066.7	5169.3	5091.1
75°	2389.2	3429.9	4328.9	4441.3	4397.3
77.5°	1812.7	2824.0	3649.8	3796.3	3806.1
80°	1304.5	2271.9	3058.6	3288.2	3317.5
82.5°	859.9	1763.8	2565.1	2858.2	2902.2
85°	498.4	1314.3	2169.3	2467.4	2511.3
87.5°	215.0	947.9	1744.3	2013.0	2066.7
90°	0.0	513.0	1241.0	1563.5	1627.0
92.5°	14.7	425.1	1065.1	1358.3	1412.0
95°	24.4	346.9	928.3	1182.4	1226.4
97.5°	29.3	293.2	806.2	1030.9	1074.9
100°	29.3	254.1	698.7	903.9	943.0
102.5°	29.3	224.8	610.7	791.5	825.7
105°	34.2	200.3	537.4	703.6	732.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	39.1	131.9	371.3	498.4	517.9
115°	39.1	112.4	332.2	444.6	464.2
117.5°	44.0	97.7	293.2	400.6	415.3
120°	44.0	83.1	259.0	356.7	376.2
122.5°	44.0	68.4	229.6	322.5	337.1
125°	39.1	53.7	200.3	288.3	302.9
127.5°	34.2	44.0	171.0	259.0	273.6
130°	34.2	39.1	146.6	229.6	244.3
132.5°	34.2	44.0	122.1	200.3	219.9
135°	34.2	44.0	102.6	175.9	195.4
137.5°	34.2	44.0	83.1	151.5	171.0
140°	39.1	44.0	68.4	127.0	146.6
142.5°	44.0	44.0	53.7	107.5	122.1
145°	48.9	44.0	48.9	87.9	102.6
147.5°	48.9	48.9	48.9	68.4	83.1
150°	48.9	53.7	48.9	53.7	68.4
152.5°	48.9	53.7	48.9	44.0	53.7
155°	48.9	53.7	48.9	44.0	48.9
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°	34.2	175.9	473.9	625.4	649.8
110°	34.2	156.3	420.2	557.0	581.4



(END OF REPORT)