

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: P830595

Luminaire Tested: **OHBL-60HE-A-UNV-L730-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830595
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-60HE-A-UNV-L730-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

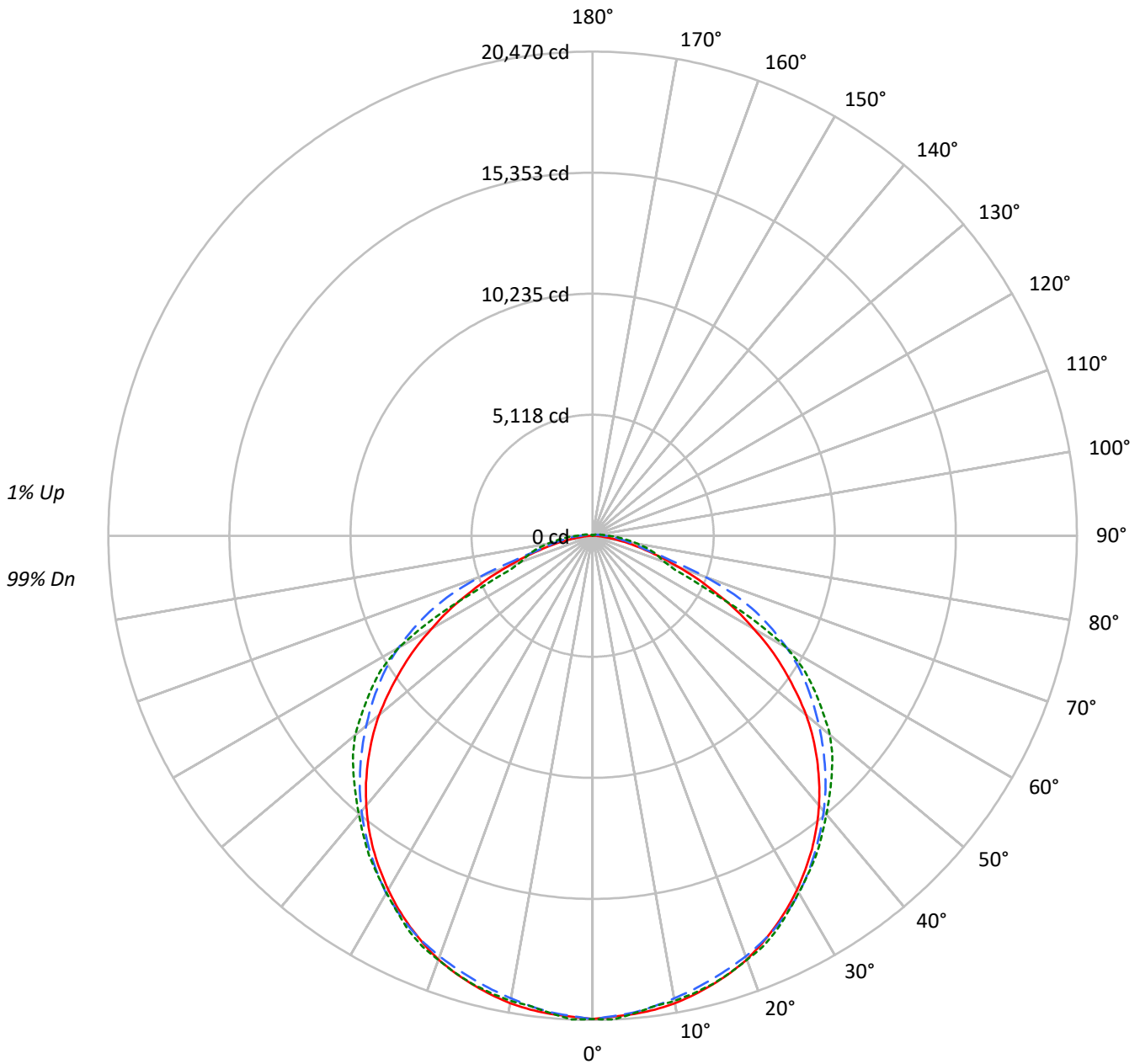
Lumens per Lamp: N/A
Luminaire Lumens: 57741.0 lumens
Efficiency: N/A
Efficacy: 170.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101	99																			
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86	83																			
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70																			
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61	59																			
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53	51																			
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46	44																			
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40	38																			
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36	34																			
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32	30																			
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29	27																			
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32308	32308	32308
5°	32096	31838	31905
10°	31979	31356	31551
15°	31776	30995	31340
20°	31573	30768	31062
25°	31192	30539	30787
30°	30778	30179	30205
35°	30282	29607	29884
40°	29638	29015	29446
45°	28746	28331	29253
50°	27536	27553	29021
55°	25614	26787	27938
60°	23098	25666	25829
65°	19814	23585	16369
70°	15959	18412	11868
75°	11965	10930	12045
80°	8328	9088	11500
85°	4741	8327	10779



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1926.3	3.3
10°-20°	5523.6	9.6
20°-30°	8436.2	14.6
30°-40°	10236.0	17.7
40°-50°	10728.3	18.6
50°-60°	9721.5	16.8
60°-70°	6517.9	11.3
70°-80°	2926.8	5.1
80°-90°	1062.1	1.8
90°-100°	319.7	0.6
100°-110°	150.8	0.3
110°-120°	75.6	0.1
120°-130°	41.7	0.1
130°-140°	28.7	0.0
140°-150°	19.3	0.0
150°-160°	14.3	0.0
160°-170°	9.2	0.0
170°-180°	2.9	0.0
0°-30°	15886.1	27.5
0°-40°	26122.1	45.2
0°-60°	46571.9	80.7
0°-90°	57078.7	98.9
90°-120°	546.1	0.9
90°-150°	635.8	1.1
90°-180°	662.0	1.1
0°-180°	57741.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20429	20429	20429	20429	20429	
5°	20296	20367	20225	20287	20260	###
15°	19637	19560	19422	19593	19616	5544
25°	18243	18163	18290	18459	18405	8409
35°	16169	16208	16373	16548	16482	10106
45°	13419	13638	13892	14246	14291	10338
55°	9875	10350	11056	11499	11473	8814
65°	5796	6702	7609	6422	5243	5774
75°	2280	3308	2434	2490	2653	2492
85°	393	753	966	1167	1223	479
90°	3	251	499	626	656	24
95°	3	157	343	416	428	4
105°	12	68	168	204	213	14
115°	24	35	86	109	115	22
125°	21	24	53	62	65	21
135°	27	30	32	47	50	21
145°	27	30	30	32	35	18
155°	30	32	32	32	30	14
165°	32	32	32	32	32	9
175°	32	32	30	27	27	3
180°	30	30	30	30	30	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20428.8	20428.8	20428.8	20428.8	20428.8
2.5°	20346.1	20431.8	20325.4	20440.6	20470.2
5°	20295.9	20366.8	20225.0	20287.0	20260.4
7.5°	20204.3	20228.0	20059.6	20109.8	20056.6
10°	20068.4	20056.6	19858.7	19956.2	19968.0
12.5°	19867.6	19832.1	19654.9	19802.6	19805.6
15°	19637.2	19560.4	19421.6	19592.9	19616.5
17.5°	19371.3	19270.9	19179.3	19400.9	19365.4
20°	19061.2	18943.0	18925.3	19167.5	19078.9
22.5°	18677.2	18585.6	18627.0	18857.4	18801.2
25°	18243.0	18163.2	18290.2	18458.6	18405.4
27.5°	17785.1	17737.9	17882.6	18012.6	17909.2
30°	17283.0	17256.4	17448.4	17554.7	17424.8
32.5°	16736.5	16745.4	16928.5	17073.2	16952.1
35°	16169.4	16207.8	16373.2	16547.5	16482.5
37.5°	15546.1	15631.8	15797.2	15995.1	15927.1
40°	14887.4	15011.5	15194.6	15433.9	15371.8
42.5°	14175.5	14332.1	14568.4	14834.2	14828.3
45°	13419.3	13637.9	13891.9	14246.4	14290.7
47.5°	12633.6	12878.8	13200.7	13673.4	13741.3
50°	11779.9	12087.1	12488.9	13056.0	13097.4
52.5°	10828.8	11248.3	11779.9	12323.5	12273.2
55°	9874.7	10350.3	11056.3	11499.3	11472.7
57.5°	8923.6	9458.2	10314.8	10630.9	10627.9
60°	7860.2	8536.6	9473.0	9712.3	9475.9
62.5°	6876.6	7603.2	8575.0	8400.7	7591.4
65°	5795.5	6702.3	7609.1	6421.7	5243.1
67.5°	4835.4	5780.7	6463.0	4398.3	3766.2
70°	3869.5	4912.2	5039.3	3264.0	3219.7
72.5°	3012.9	4123.6	3476.7	2794.3	2936.1
75°	2280.4	3308.3	2434.0	2490.1	2652.6
77.5°	1663.0	2540.3	1893.4	2182.9	2315.8
80°	1143.1	1798.9	1544.9	1834.3	1925.9
82.5°	717.8	1187.4	1237.7	1476.9	1571.4
85°	392.9	753.2	965.9	1166.8	1222.9
87.5°	162.5	454.9	738.5	900.9	948.2
90°	3.0	251.1	499.2	626.2	655.8
92.5°	3.0	192.0	407.6	505.1	525.8
95°	3.0	156.6	342.6	416.5	428.3
97.5°	5.9	124.1	286.5	345.6	357.4
100°	8.9	103.4	239.3	289.5	298.3
102.5°	11.8	82.7	200.9	242.2	251.1
105°	11.8	67.9	168.4	203.8	212.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	20.7	41.4	100.4	127.0	132.9
115°	23.6	35.4	85.7	109.3	115.2
117.5°	23.6	29.5	73.8	91.6	97.5
120°	23.6	26.6	65.0	79.8	82.7
122.5°	23.6	23.6	56.1	70.9	73.8
125°	20.7	23.6	53.2	62.0	65.0
127.5°	23.6	23.6	47.3	56.1	59.1
130°	23.6	26.6	41.4	53.2	53.2
132.5°	26.6	29.5	38.4	50.2	50.2
135°	26.6	29.5	32.5	47.3	50.2
137.5°	29.5	29.5	29.5	44.3	47.3
140°	29.5	29.5	26.6	38.4	41.4
142.5°	26.6	29.5	26.6	35.4	38.4
145°	26.6	29.5	29.5	32.5	35.4
147.5°	29.5	29.5	29.5	29.5	32.5
150°	29.5	29.5	29.5	29.5	29.5
152.5°	29.5	29.5	29.5	29.5	29.5
155°	29.5	32.5	32.5	32.5	29.5
157.5°	29.5	32.5	32.5	32.5	32.5
160°	29.5	32.5	32.5	32.5	32.5
162.5°	32.5	32.5	32.5	32.5	32.5
165°	32.5	32.5	32.5	32.5	32.5
167.5°	32.5	35.4	32.5	32.5	32.5
170°	32.5	32.5	32.5	29.5	29.5
172.5°	32.5	32.5	32.5	29.5	29.5
175°	32.5	32.5	29.5	26.6	26.6
177.5°	35.4	32.5	29.5	26.6	23.6
180°	29.5	29.5	29.5	29.5	29.5



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	14.8	56.1	144.7	174.3	180.2
110°	17.7	47.3	121.1	147.7	153.6



(END OF REPORT)