

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: P830661

Luminaire Tested: **OHBL-60HE-W-UNV-L840-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830661
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-60HE-W-UNV-L840-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 4000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

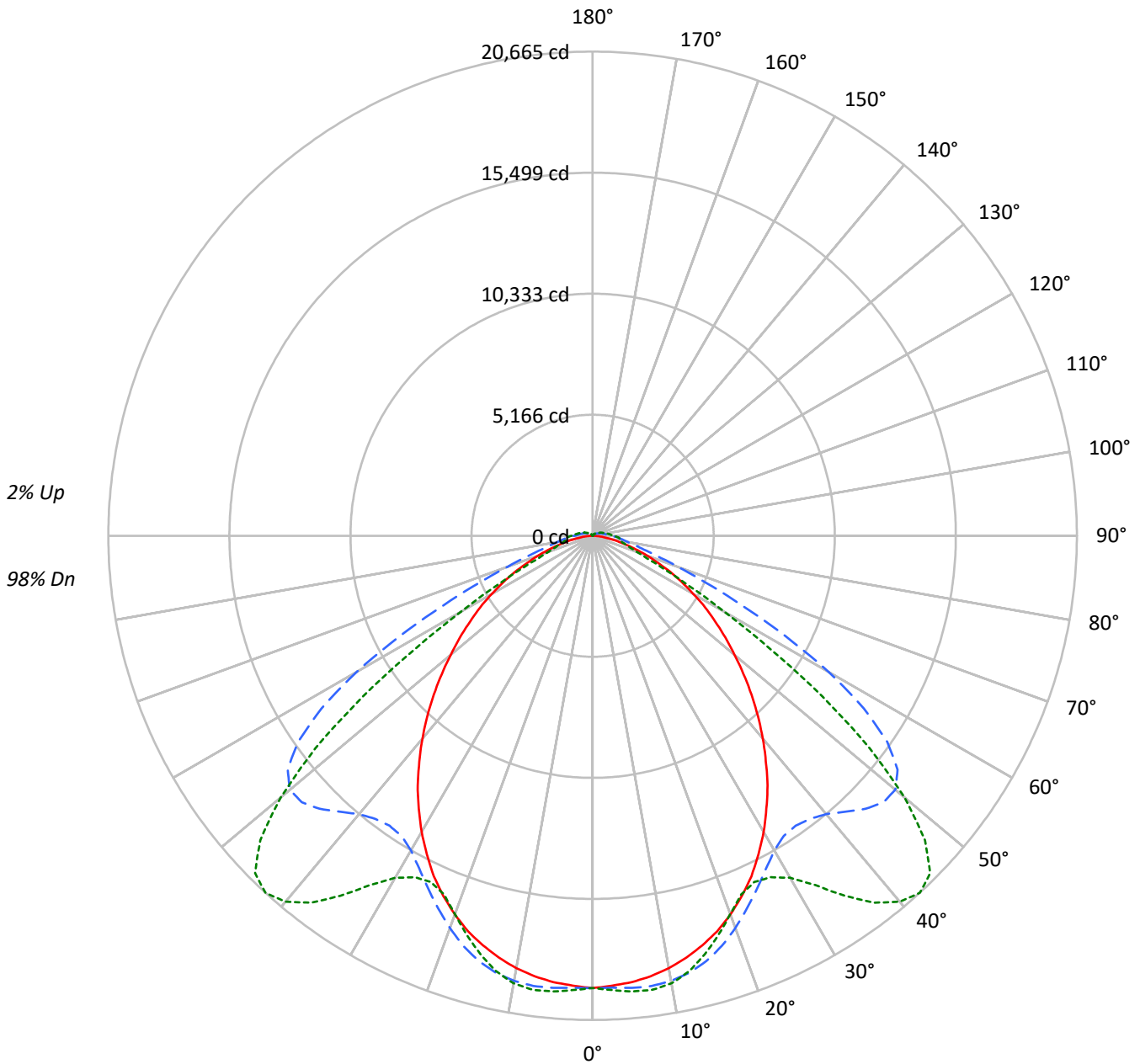
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57796.0 lumens
Efficiency: N/A
Efficacy: 171.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
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	105	105	105	100	100	100	98																			
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	83																			
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	70																			
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	59																			
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	50																			
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	43																			
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38																			
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	33																			
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30527	30527	30527
5°	30243	30498	30745
10°	29863	30465	30651
15°	29281	29975	29541
20°	28482	28958	27969
25°	27414	27724	27280
30°	25994	26810	29208
35°	24373	27321	33993
40°	22493	29608	39059
45°	20527	33608	41695
50°	18477	37193	38489
55°	16549	37181	29126
60°	14588	31492	17595
65°	12515	21776	10493
70°	10168	14105	7414
75°	7736	10136	6656
80°	5552	8942	7112
85°	3768	9909	10021



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1844.6	3.2
10°-20°	5223.4	9.0
20°-30°	7643.5	13.2
30°-40°	9926.7	17.2
40°-50°	12121.7	21.0
50°-60°	10675.1	18.5
60°-70°	5562.8	9.6
70°-80°	2385.6	4.1
80°-90°	1145.6	2.0
90°-100°	538.2	0.9
100°-110°	334.5	0.6
110°-120°	197.8	0.3
120°-130°	107.5	0.2
130°-140°	54.0	0.1
140°-150°	26.0	0.0
150°-160°	9.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	14711.5	25.5
0°-40°	24638.1	42.6
0°-60°	47434.9	82.1
0°-90°	56528.9	97.8
90°-120°	1070.6	1.9
90°-150°	1258.0	2.2
90°-180°	1267.0	2.2
0°-180°	57796.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19303	19303	19303	19303	19303	
5°	19124	19270	19374	19544	19524	###
15°	18095	18603	18782	18641	18491	5095
25°	16034	16892	16604	16292	16308	7358
35°	13014	14389	15109	17620	18749	8112
45°	9583	12056	16479	19952	20369	7389
55°	6380	10561	15346	13456	11961	5726
65°	3661	7317	7026	3906	3361	3622
75°	1474	3423	2257	1545	1466	1608
85°	312	1220	1149	1124	1137	348
90°	4	441	758	866	887	22
95°	8	258	604	708	729	6
105°	17	146	392	471	479	18
115°	25	83	242	296	304	26
125°	29	42	142	183	187	25
135°	25	25	67	112	117	19
145°	33	25	29	54	62	20
155°	33	33	25	25	25	10
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CATALOG NUMBER: OHBL-60HE-W-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19302.8	19302.8	19302.8	19302.8	19302.8
2.5°	19219.5	19302.8	19307.0	19423.6	19411.1
5°	19123.7	19269.5	19373.6	19544.4	19523.5
7.5°	18965.5	19194.5	19377.8	19565.2	19548.5
10°	18740.6	19052.9	19294.5	19448.6	19398.6
12.5°	18449.1	18861.4	19098.7	19132.1	19036.3
15°	18095.1	18603.2	18782.2	18640.6	18490.7
17.5°	17695.3	18290.8	18353.3	18045.1	17857.7
20°	17195.5	17874.4	17811.9	17387.1	17178.9
22.5°	16641.6	17416.3	17216.4	16770.7	16570.8
25°	16033.6	16891.5	16604.2	16291.8	16308.5
27.5°	15321.5	16296.0	16017.0	16158.6	16425.1
30°	14596.8	15671.3	15500.6	16325.1	16849.9
32.5°	13801.4	15030.0	15184.0	16812.4	17670.3
35°	13014.3	14388.6	15109.1	17620.3	18748.9
37.5°	12143.9	13738.9	15229.9	18553.2	19735.9
40°	11298.5	13105.9	15504.7	19390.3	20389.8
42.5°	10436.4	12539.5	15967.0	19885.8	20664.6
45°	9582.7	12056.4	16479.2	19952.5	20368.9
47.5°	8729.0	11648.3	16833.2	19423.6	19232.0
50°	7904.4	11286.0	16858.2	18153.4	17370.4
52.5°	7133.9	10952.8	16400.1	16129.4	14913.3
55°	6380.1	10561.4	15346.5	13455.7	11960.7
57.5°	5693.0	10020.0	13722.3	10582.2	8949.7
60°	4964.2	9287.0	11623.3	7741.9	6455.1
62.5°	4293.7	8375.0	9270.3	5389.0	4639.3
65°	3660.7	7317.2	7025.6	3906.4	3360.8
67.5°	2990.2	6221.9	5184.9	2848.6	2498.7
70°	2465.4	5205.7	3860.6	2215.6	2011.5
72.5°	1928.2	4239.5	2886.1	1799.1	1686.7
75°	1474.3	3423.3	2257.2	1545.1	1465.9
77.5°	1087.0	2707.0	1815.8	1366.0	1291.0
80°	762.1	2132.3	1520.1	1220.2	1191.1
82.5°	512.2	1649.2	1295.2	1161.9	1166.1
85°	312.3	1220.2	1149.4	1124.4	1136.9
87.5°	149.9	866.2	987.0	1024.5	1037.0
90°	4.2	441.4	758.0	866.2	887.1
92.5°	0.0	337.3	666.3	774.6	795.4
95°	8.3	258.2	603.9	708.0	728.8
97.5°	8.3	212.4	541.4	649.7	662.2
100°	12.5	183.2	483.1	587.2	599.7
102.5°	12.5	162.4	433.1	524.7	533.1
105°	16.7	145.8	391.5	470.6	478.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	25.0	99.9	274.9	333.2	341.5
115°	25.0	83.3	241.5	295.7	304.0
117.5°	29.2	75.0	212.4	262.4	266.5
120°	29.2	62.5	183.2	233.2	237.4
122.5°	29.2	50.0	162.4	208.2	212.4
125°	29.2	41.6	141.6	183.2	187.4
127.5°	25.0	29.2	120.8	162.4	166.6
130°	25.0	25.0	99.9	141.6	149.9
132.5°	25.0	25.0	83.3	124.9	133.3
135°	25.0	25.0	66.6	112.4	116.6
137.5°	25.0	25.0	54.1	95.8	104.1
140°	25.0	25.0	41.6	83.3	87.5
142.5°	29.2	25.0	37.5	70.8	75.0
145°	33.3	25.0	29.2	54.1	62.5
147.5°	33.3	29.2	29.2	45.8	50.0
150°	33.3	33.3	25.0	33.3	41.6
152.5°	33.3	33.3	25.0	25.0	33.3
155°	33.3	33.3	25.0	25.0	25.0
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°	20.8	129.1	349.8	420.6	429.0
110°	20.8	112.4	308.2	374.8	383.1



(END OF REPORT)