

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: P830617

Luminaire Tested: **OHBL-60HE-MCL-UNV-L940-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830617
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-MCL-UNV-L940-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

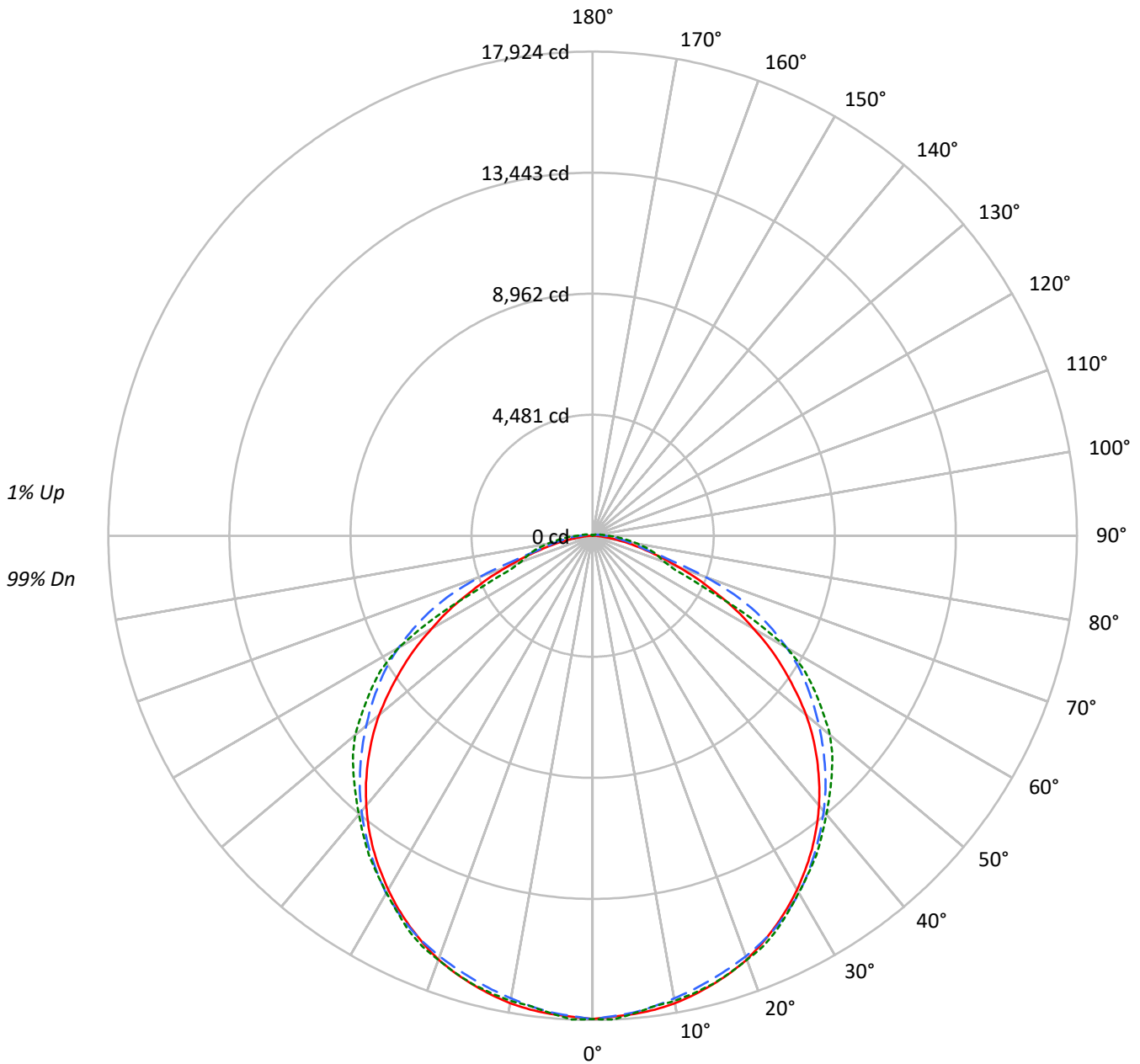
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50560.1 lumens
Efficiency: N/A
Efficacy: 149.6 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°	28290	28290	28290
5°	28105	27879	27937
10°	28002	27457	27627
15°	27824	27141	27442
20°	27646	26942	27199
25°	27313	26741	26958
30°	26950	26426	26448
35°	26516	25925	26167
40°	25952	25407	25784
45°	25171	24808	25615
50°	24111	24126	25412
55°	22428	23455	24463
60°	20225	22474	22617
65°	17350	20652	14333
70°	13975	16122	10392
75°	10477	9571	10547
80°	7293	7957	10070
85°	4151	7292	9439



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1686.7	3.3
10°-20°	4836.6	9.6
20°-30°	7387.1	14.6
30°-40°	8963.0	17.7
40°-50°	9394.1	18.6
50°-60°	8512.5	16.8
60°-70°	5707.3	11.3
70°-80°	2562.8	5.1
80°-90°	930.0	1.8
90°-100°	279.9	0.6
100°-110°	132.1	0.3
110°-120°	66.2	0.1
120°-130°	36.5	0.1
130°-140°	25.1	0.0
140°-150°	16.9	0.0
150°-160°	12.6	0.0
160°-170°	8.1	0.0
170°-180°	2.6	0.0
0°-30°	13910.4	27.5
0°-40°	22873.4	45.2
0°-60°	40780.0	80.7
0°-90°	49980.1	98.9
90°-120°	478.2	0.9
90°-150°	556.8	1.1
90°-180°	580.0	1.1
0°-180°	50560.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17888	17888	17888	17888	17888	
5°	17772	17834	17710	17764	17741	###
15°	17195	17128	17006	17156	17177	4855
25°	15974	15904	16016	16163	16116	7363
35°	14158	14192	14337	14490	14433	8849
45°	11750	11942	12164	12475	12513	9052
55°	8647	9063	9681	10069	10046	7718
65°	5075	5869	6663	5623	4591	5056
75°	1997	2897	2131	2180	2323	2182
85°	344	660	846	1022	1071	420
90°	3	220	437	548	574	21
95°	3	137	300	365	375	4
105°	10	60	147	178	186	12
115°	21	31	75	96	101	19
125°	18	21	47	54	57	18
135°	23	26	28	41	44	18
145°	23	26	26	28	31	15
155°	26	28	28	28	26	12
165°	28	28	28	28	28	8
175°	28	28	26	23	23	3
180°	26	26	26	26	26	



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CATALOG NUMBER: OHBL-60HE-MCL-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17888.2	17888.2	17888.2	17888.2	17888.2
2.5°	17815.7	17890.8	17797.6	17898.5	17924.4
5°	17771.8	17833.9	17709.7	17764.0	17740.7
7.5°	17691.6	17712.3	17564.9	17608.8	17562.3
10°	17572.6	17562.3	17389.0	17474.3	17484.7
12.5°	17396.7	17365.7	17210.5	17339.8	17342.4
15°	17195.0	17127.7	17006.2	17156.2	17176.9
17.5°	16962.2	16874.3	16794.1	16988.1	16957.0
20°	16690.6	16587.2	16571.6	16783.7	16706.1
22.5°	16354.4	16274.2	16310.4	16512.2	16463.0
25°	15974.2	15904.3	16015.6	16163.0	16116.4
27.5°	15573.3	15531.9	15658.6	15772.4	15681.9
30°	15133.6	15110.3	15278.4	15371.5	15257.7
32.5°	14655.1	14662.8	14823.2	14949.9	14843.9
35°	14158.5	14192.1	14336.9	14489.5	14432.6
37.5°	13612.7	13687.7	13832.6	14005.8	13946.4
40°	13035.9	13144.5	13304.9	13514.4	13460.1
42.5°	12412.6	12549.7	12756.6	12989.4	12984.2
45°	11750.4	11941.8	12164.3	12474.6	12513.4
47.5°	11062.4	11277.1	11559.0	11972.9	12032.4
50°	10314.9	10583.9	10935.7	11432.3	11468.5
52.5°	9482.1	9849.4	10314.9	10790.8	10746.9
55°	8646.6	9063.1	9681.2	10069.2	10045.9
57.5°	7813.8	8281.9	9032.0	9308.8	9306.2
60°	6882.7	7475.0	8294.9	8504.4	8297.5
62.5°	6021.4	6657.6	7508.6	7356.0	6647.3
65°	5074.7	5868.7	6662.8	5623.0	4591.0
67.5°	4234.1	5061.8	5659.2	3851.3	3297.8
70°	3388.3	4301.3	4412.6	2858.1	2819.3
72.5°	2638.2	3610.7	3044.3	2446.8	2571.0
75°	1996.8	2896.9	2131.3	2180.4	2322.7
77.5°	1456.2	2224.4	1657.9	1911.4	2027.8
80°	1001.0	1575.2	1352.7	1606.2	1686.4
82.5°	628.5	1039.8	1083.7	1293.2	1376.0
85°	344.0	659.6	845.8	1021.7	1070.8
87.5°	142.3	398.3	646.6	788.9	830.3
90°	2.6	219.9	437.1	548.3	574.2
92.5°	2.6	168.1	356.9	442.3	460.4
95°	2.6	137.1	300.0	364.7	375.0
97.5°	5.2	108.6	250.9	302.6	313.0
100°	7.8	90.5	209.5	253.5	261.2
102.5°	10.3	72.4	175.9	212.1	219.9
105°	10.3	59.5	147.4	178.5	186.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	18.1	36.2	87.9	111.2	116.4
115°	20.7	31.0	75.0	95.7	100.9
117.5°	20.7	25.9	64.7	80.2	85.4
120°	20.7	23.3	56.9	69.8	72.4
122.5°	20.7	20.7	49.1	62.1	64.7
125°	18.1	20.7	46.6	54.3	56.9
127.5°	20.7	20.7	41.4	49.1	51.7
130°	20.7	23.3	36.2	46.6	46.6
132.5°	23.3	25.9	33.6	44.0	44.0
135°	23.3	25.9	28.5	41.4	44.0
137.5°	25.9	25.9	25.9	38.8	41.4
140°	25.9	25.9	23.3	33.6	36.2
142.5°	23.3	25.9	23.3	31.0	33.6
145°	23.3	25.9	25.9	28.5	31.0
147.5°	25.9	25.9	25.9	25.9	28.5
150°	25.9	25.9	25.9	25.9	25.9
152.5°	25.9	25.9	25.9	25.9	25.9
155°	25.9	28.5	28.5	28.5	25.9
157.5°	25.9	28.5	28.5	28.5	28.5
160°	25.9	28.5	28.5	28.5	28.5
162.5°	28.5	28.5	28.5	28.5	28.5
165°	28.5	28.5	28.5	28.5	28.5
167.5°	28.5	31.0	28.5	28.5	28.5
170°	28.5	28.5	28.5	25.9	25.9
172.5°	28.5	28.5	28.5	25.9	25.9
175°	28.5	28.5	25.9	23.3	23.3
177.5°	31.0	28.5	25.9	23.3	20.7
180°	25.9	25.9	25.9	25.9	25.9



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	12.9	49.1	126.7	152.6	157.8
110°	15.5	41.4	106.0	129.3	134.5



(END OF REPORT)