

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: P830907

Luminaire Tested: **OHBL-9HE-MFL-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830907
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-9HE-MFL-UNV-L730-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

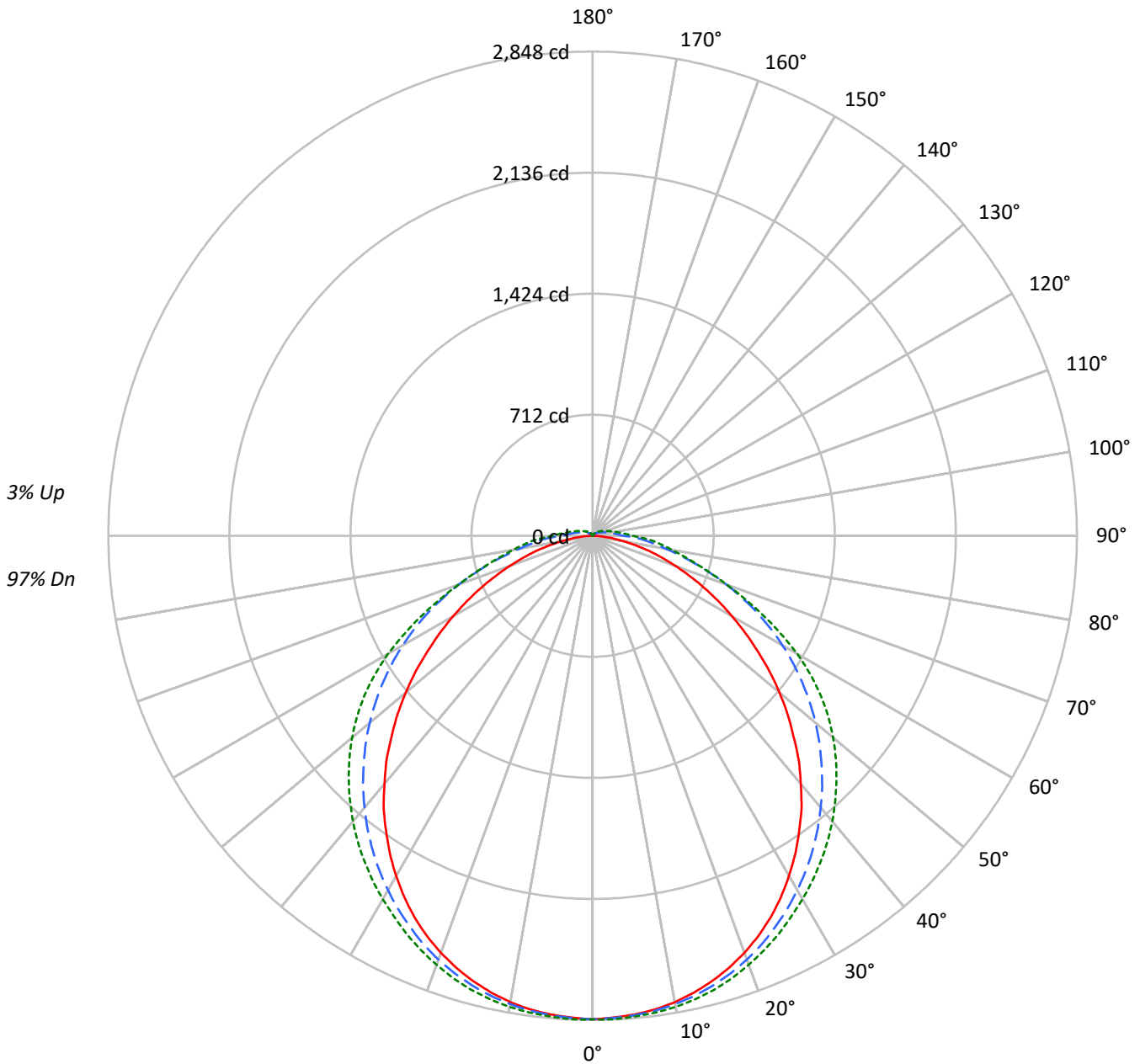
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8514.0 lumens
Efficiency: N/A
Efficacy: 163.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 52
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°	4859	4859	4859
5°	4828	4811	4824
10°	4794	4766	4796
15°	4740	4713	4760
20°	4669	4649	4708
25°	4574	4569	4656
30°	4443	4483	4603
35°	4284	4392	4557
40°	4093	4286	4511
45°	3867	4171	4453
50°	3621	4055	4384
55°	3318	3913	4268
60°	3007	3746	4044
65°	2668	3533	3679
70°	2301	3262	3284
75°	1930	2949	3011
80°	1463	2717	2967
85°	925	2798	3273



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.6	3.2
10°-20°	773.3	9.1
20°-30°	1169.5	13.7
30°-40°	1404.0	16.5
40°-50°	1450.1	17.0
50°-60°	1304.7	15.3
60°-70°	982.8	11.5
70°-80°	593.5	7.0
80°-90°	290.2	3.4
90°-100°	122.2	1.4
100°-110°	69.7	0.8
110°-120°	40.9	0.5
120°-130°	23.2	0.3
130°-140°	12.2	0.1
140°-150°	5.9	0.1
150°-160°	2.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2212.4	26.0
0°-40°	3616.4	42.5
0°-60°	6371.2	74.8
0°-90°	8237.7	96.8
90°-120°	232.9	2.7
90°-150°	274.1	3.2
90°-180°	276.0	3.2
0°-180°	8514.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2845	2845	2845	2845	2845	
5°	2827	2834	2831	2842	2838	269
15°	2712	2726	2738	2761	2764	765
25°	2477	2504	2540	2580	2586	1139
35°	2118	2167	2256	2325	2339	1324
45°	1672	1756	1903	2006	2028	1291
55°	1184	1307	1505	1619	1638	1062
65°	723	870	1065	1118	1106	718
75°	340	489	617	633	627	363
85°	71	187	309	352	358	82
90°	0	73	177	223	232	4
95°	4	49	132	168	175	3
105°	5	28	77	100	104	5
115°	6	16	47	63	66	6
125°	6	8	28	41	43	5
135°	5	6	15	25	28	4
145°	7	6	7	12	15	4
155°	7	8	7	6	7	2
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°	2844.8	2844.8	2844.8	2844.8	2844.8
2.5°	2836.4	2843.4	2839.2	2848.3	2847.6
5°	2826.7	2834.4	2830.9	2842.0	2838.5
7.5°	2810.0	2818.3	2817.6	2830.2	2828.8
10°	2785.6	2794.7	2797.5	2814.2	2814.2
12.5°	2752.2	2764.0	2771.0	2791.2	2791.9
15°	2712.5	2725.7	2738.3	2761.3	2764.0
17.5°	2664.5	2681.2	2698.6	2725.0	2728.5
20°	2610.2	2629.0	2652.6	2680.5	2684.7
22.5°	2547.5	2569.8	2600.4	2633.1	2638.0
25°	2477.2	2504.3	2539.8	2579.5	2585.8
27.5°	2397.1	2428.5	2476.5	2521.1	2526.6
30°	2310.1	2347.0	2406.9	2459.8	2468.8
32.5°	2218.2	2260.7	2334.5	2393.6	2406.2
35°	2117.9	2167.4	2256.5	2324.7	2338.6
37.5°	2019.1	2073.4	2174.3	2252.3	2269.0
40°	1903.5	1971.0	2086.6	2172.9	2193.1
42.5°	1794.9	1868.0	1998.9	2092.9	2112.4
45°	1671.6	1755.9	1902.8	2006.5	2028.1
47.5°	1556.1	1647.3	1810.2	1917.4	1939.7
50°	1434.2	1534.5	1711.3	1823.4	1846.4
52.5°	1312.4	1420.3	1609.0	1725.3	1746.8
55°	1184.3	1306.8	1505.3	1618.7	1638.2
57.5°	1065.2	1194.7	1398.7	1506.6	1518.5
60°	947.6	1081.9	1290.1	1384.8	1389.0
62.5°	832.7	974.0	1178.7	1253.9	1248.3
65°	722.7	870.3	1065.2	1118.1	1105.6
67.5°	616.9	769.3	949.0	983.1	966.4
70°	516.6	671.2	836.2	853.6	838.3
72.5°	428.2	577.9	722.0	736.6	725.5
75°	340.5	488.8	616.9	632.9	626.6
77.5°	258.3	402.4	520.1	541.0	542.4
80°	185.9	323.7	435.8	468.6	472.7
82.5°	122.5	251.3	365.5	407.3	413.6
85°	71.0	187.3	309.1	351.6	357.9
87.5°	30.6	135.1	248.6	286.8	294.5
90°	0.0	73.1	176.8	222.8	231.8
92.5°	2.1	60.6	151.8	193.6	201.2
95°	3.5	49.4	132.3	168.5	174.8
97.5°	4.2	41.8	114.9	146.9	153.2
100°	4.2	36.2	99.6	128.8	134.4
102.5°	4.2	32.0	87.0	112.8	117.7
105°	4.9	28.5	76.6	100.3	104.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.6	18.8	52.9	71.0	73.8
115°	5.6	16.0	47.3	63.4	66.1
117.5°	6.3	13.9	41.8	57.1	59.2
120°	6.3	11.8	36.9	50.8	53.6
122.5°	6.3	9.7	32.7	46.0	48.0
125°	5.6	7.7	28.5	41.1	43.2
127.5°	4.9	6.3	24.4	36.9	39.0
130°	4.9	5.6	20.9	32.7	34.8
132.5°	4.9	6.3	17.4	28.5	31.3
135°	4.9	6.3	14.6	25.1	27.8
137.5°	4.9	6.3	11.8	21.6	24.4
140°	5.6	6.3	9.7	18.1	20.9
142.5°	6.3	6.3	7.7	15.3	17.4
145°	7.0	6.3	7.0	12.5	14.6
147.5°	7.0	7.0	7.0	9.7	11.8
150°	7.0	7.7	7.0	7.7	9.7
152.5°	7.0	7.7	7.0	6.3	7.7
155°	7.0	7.7	7.0	6.3	7.0
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°	4.9	25.1	67.5	89.1	92.6
110°	4.9	22.3	59.9	79.4	82.9



(END OF REPORT)