

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: P830910

Luminaire Tested: **OHBL-9HE-MFL-UNV-L750-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830910
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-L750-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

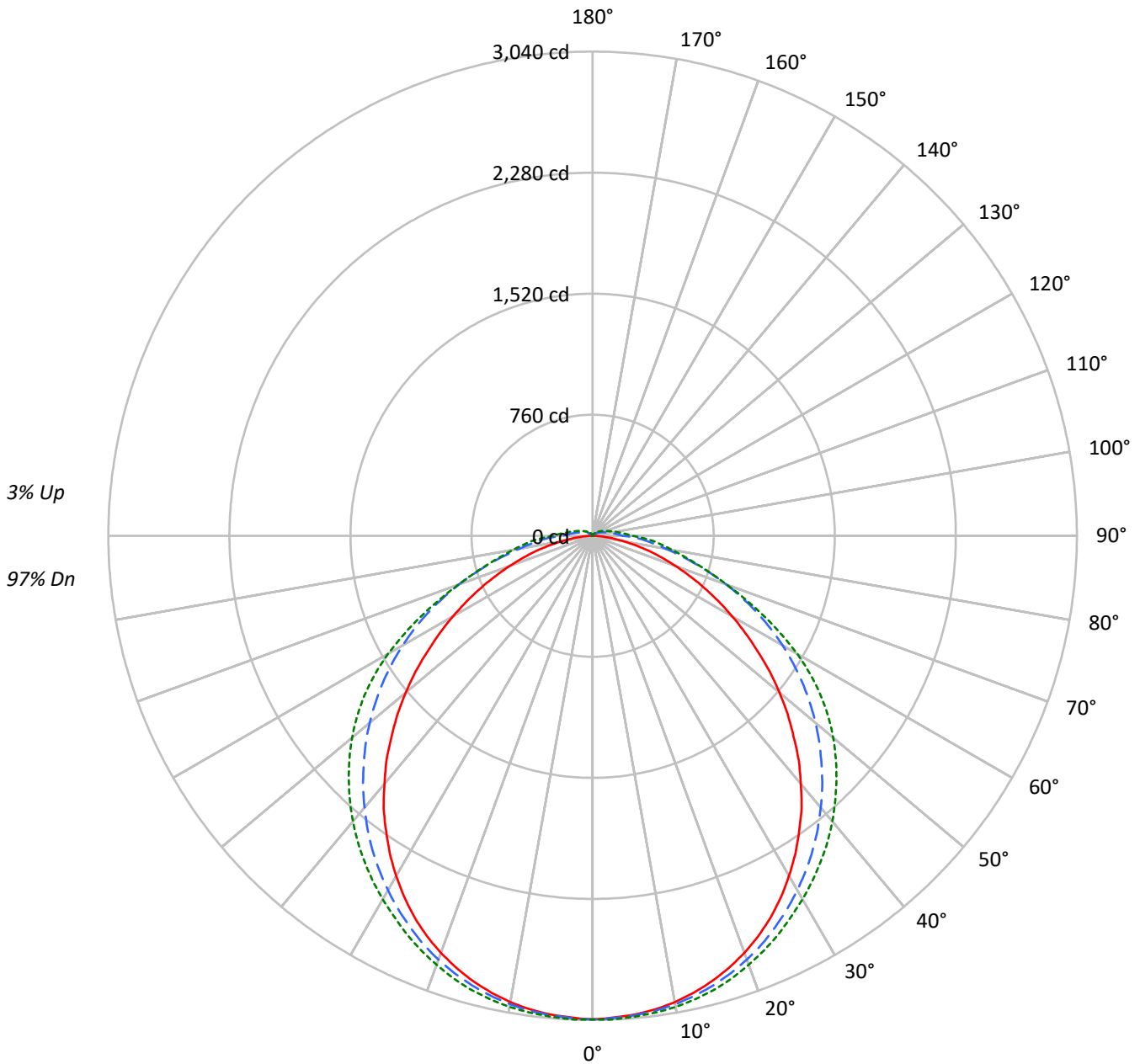
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9089.0 lumens
Efficiency: N/A
Efficacy: 174.8 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°	5187	5187	5187
5°	5154	5136	5150
10°	5118	5088	5120
15°	5061	5032	5081
20°	4985	4963	5026
25°	4883	4878	4970
30°	4743	4786	4914
35°	4573	4688	4865
40°	4369	4575	4816
45°	4128	4453	4754
50°	3865	4329	4680
55°	3542	4177	4557
60°	3210	3999	4317
65°	2849	3772	3928
70°	2457	3483	3506
75°	2059	3148	3214
80°	1561	2900	3167
85°	988	2987	3493



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.8	3.2
10°-20°	825.6	9.1
20°-30°	1248.5	13.7
30°-40°	1498.8	16.5
40°-50°	1548.1	17.0
50°-60°	1392.8	15.3
60°-70°	1049.2	11.5
70°-80°	633.5	7.0
80°-90°	309.8	3.4
90°-100°	130.4	1.4
100°-110°	74.5	0.8
110°-120°	43.7	0.5
120°-130°	24.7	0.3
130°-140°	13.0	0.1
140°-150°	6.3	0.1
150°-160°	2.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2361.8	26.0
0°-40°	3860.7	42.5
0°-60°	6801.5	74.8
0°-90°	8794.0	96.8
90°-120°	248.6	2.7
90°-150°	292.6	3.2
90°-180°	295.0	3.2
0°-180°	9089.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3037	3037	3037	3037	3037	
5°	3018	3026	3022	3034	3030	287
15°	2896	2910	2923	2948	2951	816
25°	2644	2674	2711	2754	2760	1216
35°	2261	2314	2409	2482	2497	1413
45°	1784	1874	2031	2142	2165	1378
55°	1264	1395	1607	1728	1749	1134
65°	772	929	1137	1194	1180	766
75°	363	522	658	676	669	388
85°	76	200	330	375	382	88
90°	0	78	189	238	248	5
95°	4	53	141	180	187	3
105°	5	30	82	107	112	5
115°	6	17	50	68	71	6
125°	6	8	30	44	46	5
135°	5	7	16	27	30	4
145°	7	7	7	13	16	4
155°	7	8	7	7	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°	3036.9	3036.9	3036.9	3036.9	3036.9
2.5°	3028.0	3035.4	3031.0	3040.6	3039.9
5°	3017.6	3025.8	3022.1	3034.0	3030.2
7.5°	2999.8	3008.7	3007.9	3021.3	3019.8
10°	2973.7	2983.4	2986.4	3004.2	3004.2
12.5°	2938.1	2950.7	2958.1	2979.7	2980.4
15°	2895.7	2909.8	2923.2	2947.7	2950.7
17.5°	2844.4	2862.3	2880.8	2909.1	2912.8
20°	2786.4	2806.5	2831.8	2861.5	2866.0
22.5°	2719.6	2743.3	2776.0	2811.0	2816.2
25°	2644.5	2673.5	2711.4	2753.7	2760.4
27.5°	2559.0	2592.5	2643.7	2691.3	2697.3
30°	2466.1	2505.5	2569.4	2625.9	2635.6
32.5°	2368.0	2413.3	2492.1	2555.3	2568.7
35°	2261.0	2313.7	2408.9	2481.7	2496.6
37.5°	2155.4	2213.4	2321.2	2404.4	2422.3
40°	2032.0	2104.1	2227.5	2319.7	2341.2
42.5°	1916.1	1994.1	2133.9	2234.2	2255.0
45°	1784.5	1874.5	2031.3	2142.0	2165.1
47.5°	1661.2	1758.5	1932.5	2046.9	2070.7
50°	1531.1	1638.1	1826.9	1946.6	1971.1
52.5°	1401.0	1516.2	1717.7	1841.8	1864.8
55°	1264.3	1395.1	1606.9	1728.1	1748.9
57.5°	1137.2	1275.4	1493.2	1608.4	1621.0
60°	1011.6	1155.0	1377.2	1478.3	1482.8
62.5°	888.9	1039.8	1258.3	1338.6	1332.6
65°	771.5	929.1	1137.2	1193.7	1180.3
67.5°	658.5	821.3	1013.1	1049.5	1031.6
70°	551.5	716.5	892.6	911.2	894.9
72.5°	457.1	616.9	770.8	786.4	774.5
75°	363.4	521.8	658.5	675.6	668.9
77.5°	275.7	429.6	555.2	577.5	579.0
80°	198.4	345.6	465.3	500.2	504.7
82.5°	130.8	268.3	390.2	434.8	441.5
85°	75.8	199.9	330.0	375.3	382.0
87.5°	32.7	144.2	265.3	306.2	314.4
90°	0.0	78.0	188.8	237.8	247.5
92.5°	2.2	64.7	162.0	206.6	214.8
95°	3.7	52.8	141.2	179.9	186.6
97.5°	4.5	44.6	122.6	156.8	163.5
100°	4.5	38.6	106.3	137.5	143.4
102.5°	4.5	34.2	92.9	120.4	125.6
105°	5.2	30.5	81.8	107.0	111.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.9	20.1	56.5	75.8	78.8
115°	5.9	17.1	50.5	67.6	70.6
117.5°	6.7	14.9	44.6	60.9	63.2
120°	6.7	12.6	39.4	54.3	57.2
122.5°	6.7	10.4	34.9	49.1	51.3
125°	5.9	8.2	30.5	43.9	46.1
127.5°	5.2	6.7	26.0	39.4	41.6
130°	5.2	5.9	22.3	34.9	37.2
132.5°	5.2	6.7	18.6	30.5	33.4
135°	5.2	6.7	15.6	26.8	29.7
137.5°	5.2	6.7	12.6	23.0	26.0
140°	5.9	6.7	10.4	19.3	22.3
142.5°	6.7	6.7	8.2	16.4	18.6
145°	7.4	6.7	7.4	13.4	15.6
147.5°	7.4	7.4	7.4	10.4	12.6
150°	7.4	8.2	7.4	8.2	10.4
152.5°	7.4	8.2	7.4	6.7	8.2
155°	7.4	8.2	7.4	6.7	7.4
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°	5.2	26.8	72.1	95.1	98.9
110°	5.2	23.8	63.9	84.7	88.4



(END OF REPORT)