

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: P830898

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830898
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-9HE-MCL-UNV-L750-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

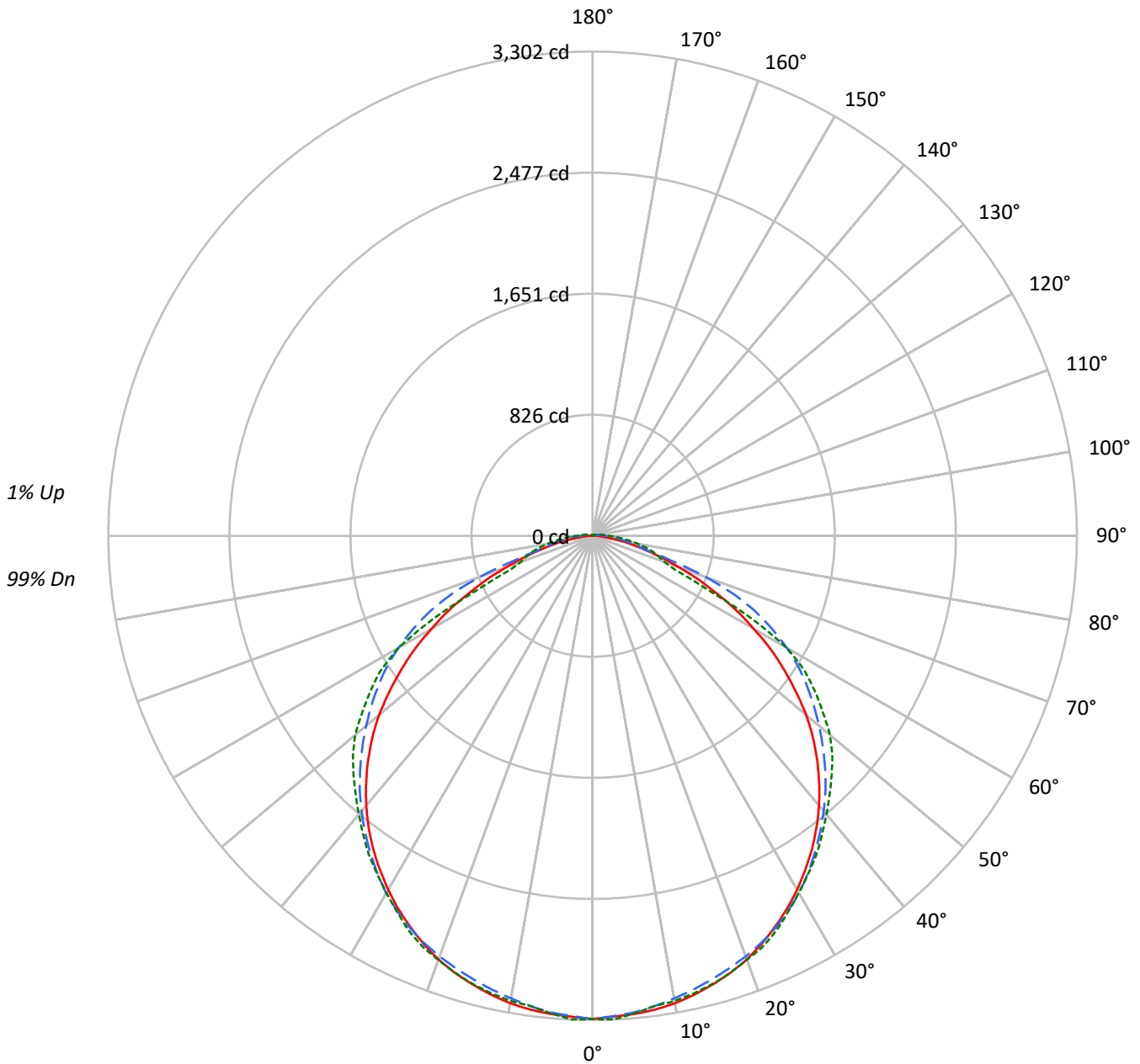
Lumens per Lamp: N/A
Luminaire Lumens: 9314.0 lumens
Efficiency: N/A
Efficacy: 179.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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	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°	5628	5628	5628
5°	5592	5544	5555
10°	5571	5458	5489
15°	5536	5392	5449
20°	5500	5350	5397
25°	5434	5308	5346
30°	5362	5242	5241
35°	5275	5140	5181
40°	5163	5034	5101
45°	5008	4912	5062
50°	4797	4773	5016
55°	4462	4636	4822
60°	4024	4437	4450
65°	3452	4071	2814
70°	2780	3172	2035
75°	2084	1877	2056
80°	1451	1553	1950
85°	826	1410	1804



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.7	3.3
10°-20°	891.0	9.6
20°-30°	1360.8	14.6
30°-40°	1651.1	17.7
40°-50°	1730.6	18.6
50°-60°	1568.1	16.8
60°-70°	1051.4	11.3
70°-80°	472.1	5.1
80°-90°	171.3	1.8
90°-100°	51.6	0.6
100°-110°	24.3	0.3
110°-120°	12.2	0.1
120°-130°	6.7	0.1
130°-140°	4.6	0.0
140°-150°	3.1	0.0
150°-160°	2.3	0.0
160°-170°	1.5	0.0
170°-180°	0.5	0.0
0°-30°	2562.5	27.5
0°-40°	4213.7	45.2
0°-60°	7512.4	80.7
0°-90°	9207.2	98.9
90°-120°	88.1	0.9
90°-150°	102.6	1.1
90°-180°	107.0	1.1
0°-180°	9314.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3295	3295	3295	3295	3295	
5°	3274	3285	3262	3272	3268	311
15°	3168	3155	3133	3160	3164	894
25°	2943	2930	2950	2978	2969	1356
35°	2608	2614	2641	2669	2659	1630
45°	2165	2200	2241	2298	2305	1668
55°	1593	1670	1783	1855	1851	1422
65°	935	1081	1227	1036	846	931
75°	368	534	393	402	428	402
85°	63	122	156	188	197	77
90°	0	40	80	101	106	4
95°	0	25	55	67	69	1
105°	2	11	27	33	34	2
115°	4	6	14	18	19	4
125°	3	4	9	10	10	3
135°	4	5	5	8	8	3
145°	4	5	5	5	6	3
155°	5	5	5	5	5	2
165°	5	5	5	5	5	1
175°	5	5	5	4	4	1
180°	5	5	5	5	5	



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CATALOG NUMBER: OHBL-9HE-MCL-UNV-L750-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3295.3	3295.3	3295.3	3295.3	3295.3
2.5°	3282.0	3295.8	3278.6	3297.2	3302.0
5°	3273.9	3285.3	3262.4	3272.4	3268.1
7.5°	3259.1	3262.9	3235.7	3243.8	3235.3
10°	3237.2	3235.3	3203.3	3219.1	3221.0
12.5°	3204.8	3199.1	3170.5	3194.3	3194.8
15°	3167.6	3155.2	3132.8	3160.5	3164.3
17.5°	3124.7	3108.5	3093.8	3129.5	3123.8
20°	3074.7	3055.6	3052.8	3091.8	3077.6
22.5°	3012.8	2998.0	3004.7	3041.8	3032.8
25°	2942.7	2929.8	2950.3	2977.5	2968.9
27.5°	2868.9	2861.2	2884.6	2905.5	2888.9
30°	2787.9	2783.6	2814.5	2831.7	2810.7
32.5°	2699.7	2701.1	2730.7	2754.0	2734.5
35°	2608.2	2614.4	2641.1	2669.2	2658.7
37.5°	2507.7	2521.5	2548.2	2580.1	2569.2
40°	2401.4	2421.4	2451.0	2489.6	2479.6
42.5°	2286.6	2311.9	2350.0	2392.9	2391.9
45°	2164.6	2199.9	2240.9	2298.0	2305.2
47.5°	2037.9	2077.4	2129.4	2205.6	2216.6
50°	1900.2	1949.7	2014.5	2106.0	2112.7
52.5°	1746.8	1814.4	1900.2	1987.9	1979.8
55°	1592.9	1669.6	1783.4	1854.9	1850.6
57.5°	1439.4	1525.7	1663.9	1714.8	1714.4
60°	1267.9	1377.0	1528.1	1566.6	1528.5
62.5°	1109.2	1226.4	1383.2	1355.1	1224.5
65°	934.8	1081.1	1227.4	1035.9	845.7
67.5°	780.0	932.5	1042.5	709.5	607.5
70°	624.2	792.4	812.9	526.5	519.4
72.5°	486.0	665.2	560.8	450.7	473.6
75°	367.8	533.7	392.6	401.7	427.9
77.5°	268.3	409.8	305.4	352.1	373.6
80°	184.4	290.2	249.2	295.9	310.7
82.5°	115.8	191.5	199.6	238.2	253.5
85°	63.4	121.5	155.8	188.2	197.3
87.5°	26.2	73.4	119.1	145.3	152.9
90°	0.5	40.5	80.5	101.0	105.8
92.5°	0.5	31.0	65.8	81.5	84.8
95°	0.5	25.3	55.3	67.2	69.1
97.5°	1.0	20.0	46.2	55.7	57.7
100°	1.4	16.7	38.6	46.7	48.1
102.5°	1.9	13.3	32.4	39.1	40.5
105°	1.9	11.0	27.2	32.9	34.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.3	6.7	16.2	20.5	21.4
115°	3.8	5.7	13.8	17.6	18.6
117.5°	3.8	4.8	11.9	14.8	15.7
120°	3.8	4.3	10.5	12.9	13.3
122.5°	3.8	3.8	9.1	11.4	11.9
125°	3.3	3.8	8.6	10.0	10.5
127.5°	3.8	3.8	7.6	9.1	9.5
130°	3.8	4.3	6.7	8.6	8.6
132.5°	4.3	4.8	6.2	8.1	8.1
135°	4.3	4.8	5.2	7.6	8.1
137.5°	4.8	4.8	4.8	7.1	7.6
140°	4.8	4.8	4.3	6.2	6.7
142.5°	4.3	4.8	4.3	5.7	6.2
145°	4.3	4.8	4.8	5.2	5.7
147.5°	4.8	4.8	4.8	4.8	5.2
150°	4.8	4.8	4.8	4.8	4.8
152.5°	4.8	4.8	4.8	4.8	4.8
155°	4.8	5.2	5.2	5.2	4.8
157.5°	4.8	5.2	5.2	5.2	5.2
160°	4.8	5.2	5.2	5.2	5.2
162.5°	5.2	5.2	5.2	5.2	5.2
165°	5.2	5.2	5.2	5.2	5.2
167.5°	5.2	5.7	5.2	5.2	5.2
170°	5.2	5.2	5.2	4.8	4.8
172.5°	5.2	5.2	5.2	4.8	4.8
175°	5.2	5.2	4.8	4.3	4.3
177.5°	5.7	5.2	4.8	4.3	3.8
180°	4.8	4.8	4.8	4.8	4.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	2.4	9.1	23.3	28.1	29.1
110°	2.9	7.6	19.5	23.8	24.8



(END OF REPORT)