

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: P829576

Luminaire Tested: **OHB-9HE-W-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829576
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: OHB-9HE-W-UNV-L735-CD
Description: 9000 LUMEN OHB HE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

Summary

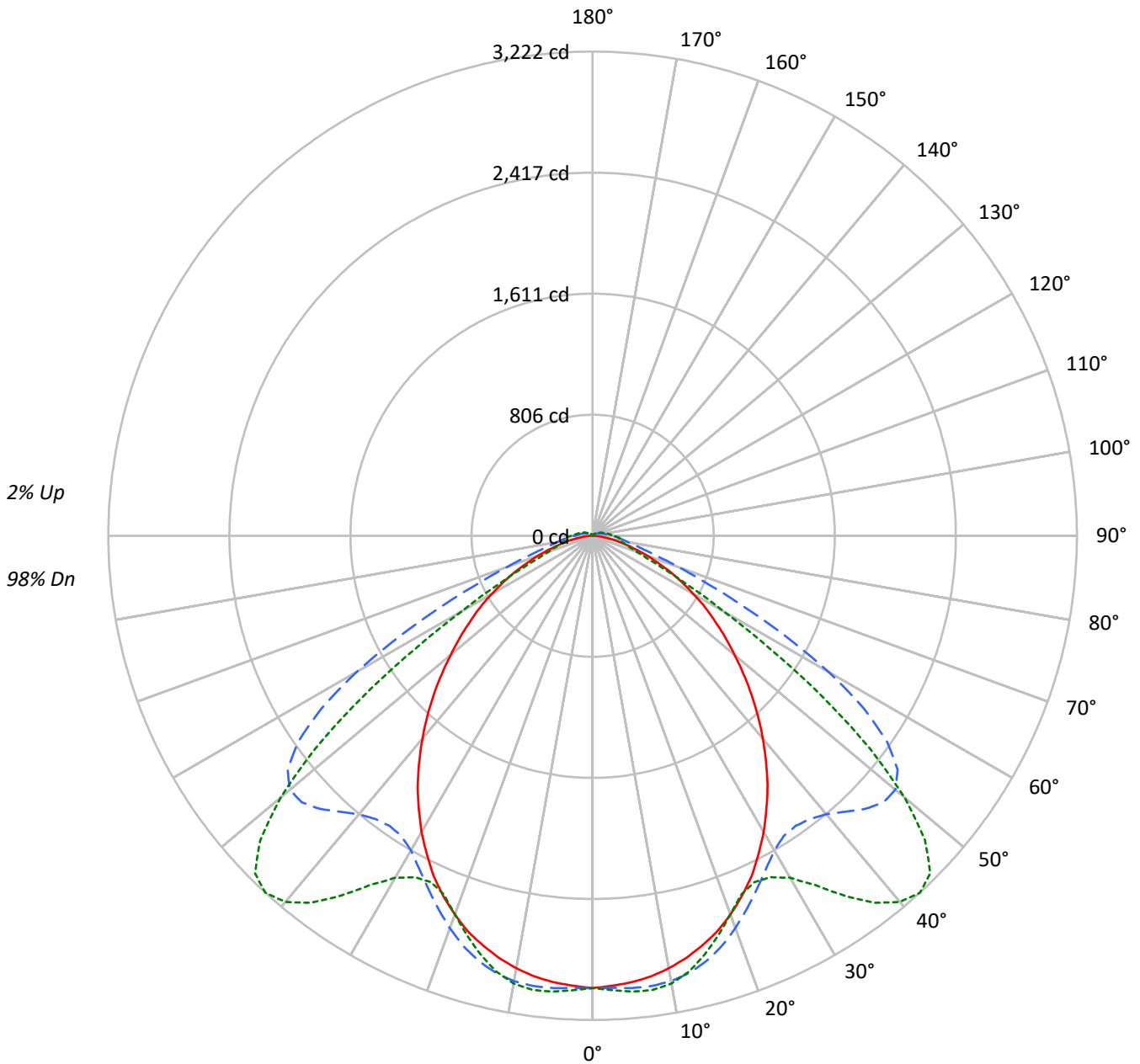
Lumens per Lamp: N/A
Luminaire Lumens: 9013.0 lumens
Efficiency: N/A
Efficacy: 173.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): NR
Input Current (Ain): 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				20				20
RC	80				70				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°	10056	10056	10056
5°	9926	10016	10121
10°	9765	9975	10083
15°	9538	9784	9712
20°	9243	9423	9189
25°	8860	8992	8956
30°	8364	8665	9582
35°	7805	8797	11143
40°	7165	9495	12792
45°	6499	10728	13642
50°	5809	11809	12578
55°	5159	11732	9505
60°	4500	9861	5732
65°	3808	6753	3411
70°	3036	4318	2403
75°	2245	3046	2148
80°	1535	2610	2279
85°	940	2742	3171



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.7	3.2
10°-20°	814.6	9.0
20°-30°	1192.0	13.2
30°-40°	1548.0	17.2
40°-50°	1890.3	21.0
50°-60°	1664.7	18.5
60°-70°	867.5	9.6
70°-80°	372.0	4.1
80°-90°	178.7	2.0
90°-100°	83.9	0.9
100°-110°	52.2	0.6
110°-120°	30.9	0.3
120°-130°	16.8	0.2
130°-140°	8.4	0.1
140°-150°	4.0	0.0
150°-160°	1.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2294.2	25.5
0°-40°	3842.2	42.6
0°-60°	7397.2	82.1
0°-90°	8815.4	97.8
90°-120°	166.9	1.9
90°-150°	196.2	2.2
90°-180°	198.0	2.2
0°-180°	9013.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3010	3010	3010	3010	3010	
5°	2982	3005	3021	3048	3045	283
15°	2822	2901	2929	2907	2884	795
25°	2500	2634	2589	2541	2543	1147
35°	2030	2244	2356	2748	2924	1265
45°	1494	1880	2570	3112	3176	1152
55°	995	1647	2393	2098	1865	893
65°	571	1141	1096	609	524	565
75°	230	534	352	241	229	251
85°	49	190	179	175	177	54
90°	1	69	118	135	138	3
95°	1	40	94	110	114	1
105°	3	23	61	73	75	3
115°	4	13	38	46	47	4
125°	4	6	22	29	29	4
135°	4	4	10	18	18	3
145°	5	4	4	8	10	3
155°	5	5	4	4	4	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°	3010.2	3010.2	3010.2	3010.2	3010.2
2.5°	2997.2	3010.2	3010.8	3029.0	3027.1
5°	2982.3	3005.0	3021.2	3047.8	3044.6
7.5°	2957.6	2993.3	3021.9	3051.1	3048.5
10°	2922.5	2971.2	3008.9	3032.9	3025.1
12.5°	2877.0	2941.3	2978.4	2983.6	2968.6
15°	2821.8	2901.1	2929.0	2906.9	2883.5
17.5°	2759.5	2852.4	2862.1	2814.0	2784.8
20°	2681.6	2787.4	2777.7	2711.4	2679.0
22.5°	2595.2	2716.0	2684.8	2615.3	2584.1
25°	2500.4	2634.1	2589.3	2540.6	2543.2
27.5°	2389.3	2541.3	2497.8	2519.8	2561.4
30°	2276.3	2443.9	2417.2	2545.8	2627.7
32.5°	2152.3	2343.8	2367.9	2621.8	2755.6
35°	2029.5	2243.8	2356.2	2747.8	2923.8
37.5°	1893.8	2142.5	2375.0	2893.3	3077.7
40°	1761.9	2043.8	2417.9	3023.8	3179.7
42.5°	1627.5	1955.5	2490.0	3101.1	3222.5
45°	1494.4	1880.1	2569.9	3111.5	3176.4
47.5°	1361.2	1816.5	2625.1	3029.0	2999.1
50°	1232.6	1760.0	2629.0	2830.9	2708.8
52.5°	1112.5	1708.0	2557.5	2515.3	2325.7
55°	994.9	1647.0	2393.2	2098.4	1865.2
57.5°	887.8	1562.6	2139.9	1650.2	1395.7
60°	774.1	1448.3	1812.6	1207.3	1006.6
62.5°	669.6	1306.0	1445.7	840.4	723.5
65°	570.9	1141.1	1095.6	609.2	524.1
67.5°	466.3	970.3	808.6	444.2	389.7
70°	384.5	811.8	602.0	345.5	313.7
72.5°	300.7	661.1	450.1	280.6	263.0
75°	229.9	533.8	352.0	240.9	228.6
77.5°	169.5	422.1	283.2	213.0	201.3
80°	118.8	332.5	237.0	190.3	185.7
82.5°	79.9	257.2	202.0	181.2	181.8
85°	48.7	190.3	179.2	175.4	177.3
87.5°	23.4	135.1	153.9	159.8	161.7
90°	0.6	68.8	118.2	135.1	138.3
92.5°	0.0	52.6	103.9	120.8	124.0
95°	1.3	40.3	94.2	110.4	113.7
97.5°	1.3	33.1	84.4	101.3	103.3
100°	1.9	28.6	75.3	91.6	93.5
102.5°	1.9	25.3	67.5	81.8	83.1
105°	2.6	22.7	61.0	73.4	74.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.9	15.6	42.9	52.0	53.3
115°	3.9	13.0	37.7	46.1	47.4
117.5°	4.5	11.7	33.1	40.9	41.6
120°	4.5	9.7	28.6	36.4	37.0
122.5°	4.5	7.8	25.3	32.5	33.1
125°	4.5	6.5	22.1	28.6	29.2
127.5°	3.9	4.5	18.8	25.3	26.0
130°	3.9	3.9	15.6	22.1	23.4
132.5°	3.9	3.9	13.0	19.5	20.8
135°	3.9	3.9	10.4	17.5	18.2
137.5°	3.9	3.9	8.4	14.9	16.2
140°	3.9	3.9	6.5	13.0	13.6
142.5°	4.5	3.9	5.8	11.0	11.7
145°	5.2	3.9	4.5	8.4	9.7
147.5°	5.2	4.5	4.5	7.1	7.8
150°	5.2	5.2	3.9	5.2	6.5
152.5°	5.2	5.2	3.9	3.9	5.2
155°	5.2	5.2	3.9	3.9	3.9
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°	3.2	20.1	54.6	65.6	66.9
110°	3.2	17.5	48.1	58.5	59.7



(END OF REPORT)