

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: P830948

Luminaire Tested: **OHBL-9HE-W-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830948
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: OHBL-9HE-W-UNV-L835-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

Summary

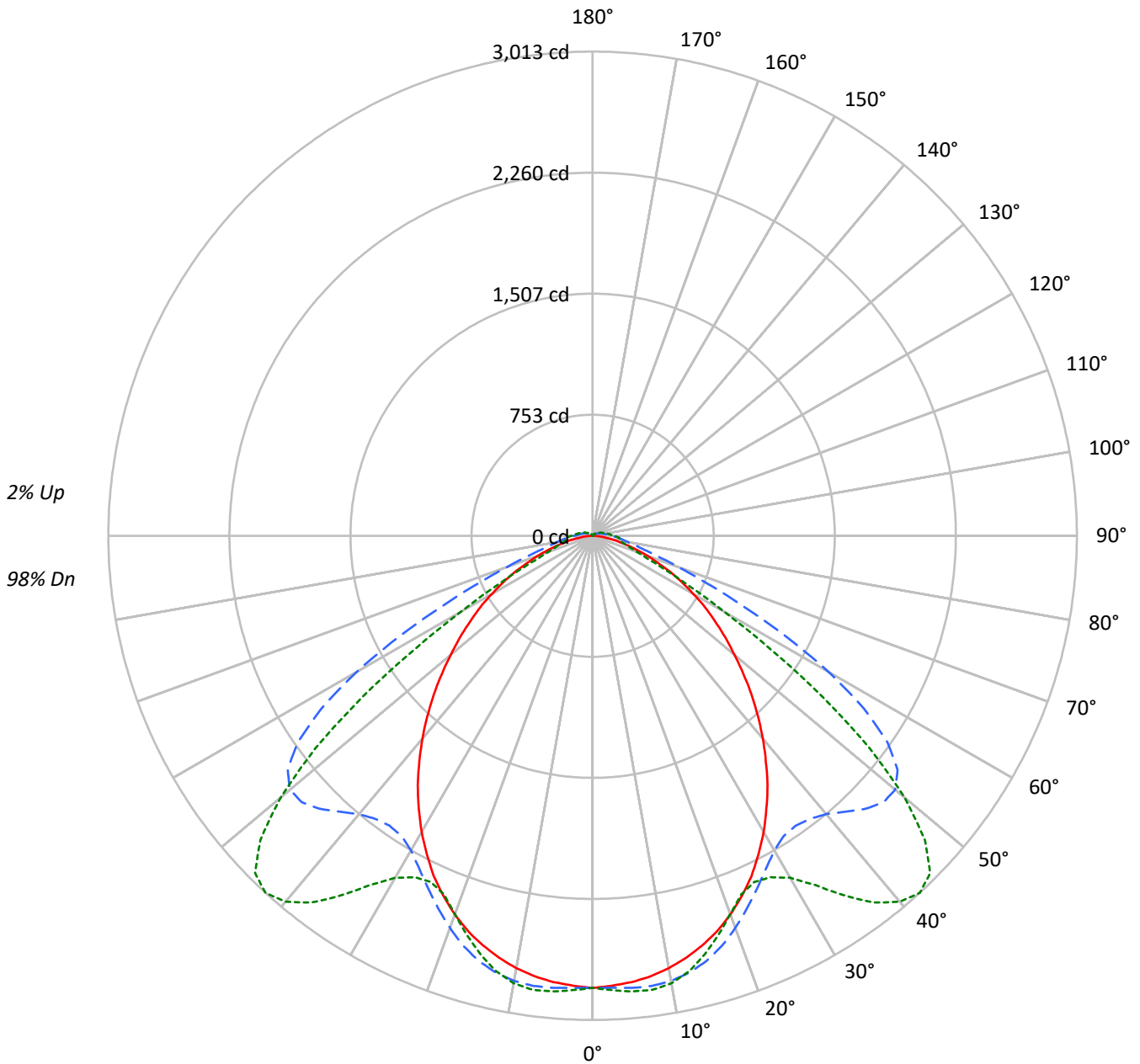
Lumens per Lamp: N/A
Luminaire Lumens: 8426.0 lumens
Efficiency: N/A
Efficacy: 162.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P830948

CATALOG NUMBER: OHBL-9HE-W-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P830948

CATALOG NUMBER: OHBL-9HE-W-UNV-L835-CD

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	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°	4806	4806	4806
5°	4762	4800	4838
10°	4702	4792	4820
15°	4610	4713	4642
20°	4485	4551	4392
25°	4316	4355	4281
30°	4093	4209	4580
35°	3838	4287	5326
40°	3542	4643	6115
45°	3232	5267	6521
50°	2909	5823	6012
55°	2606	5816	4543
60°	2297	4920	2740
65°	1971	3397	1631
70°	1601	2196	1149
75°	1218	1573	1027
80°	874	1381	1090
85°	593	1517	1516



TEST NUMBER: P830948

CATALOG NUMBER: OHBL-9HE-W-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.9	3.2
10°-20°	761.5	9.0
20°-30°	1114.3	13.2
30°-40°	1447.2	17.2
40°-50°	1767.2	21.0
50°-60°	1556.3	18.5
60°-70°	811.0	9.6
70°-80°	347.8	4.1
80°-90°	167.0	2.0
90°-100°	78.5	0.9
100°-110°	48.8	0.6
110°-120°	28.8	0.3
120°-130°	15.7	0.2
130°-140°	7.9	0.1
140°-150°	3.8	0.0
150°-160°	1.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2144.8	25.5
0°-40°	3592.0	42.6
0°-60°	6915.5	82.1
0°-90°	8241.3	97.8
90°-120°	156.1	1.9
90°-150°	183.4	2.2
90°-180°	185.0	2.2
0°-180°	8426.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2814	2814	2814	2814	2814	
5°	2788	2809	2824	2849	2846	264
15°	2638	2712	2738	2718	2696	743
25°	2338	2463	2421	2375	2378	1073
35°	1897	2098	2203	2569	2733	1183
45°	1397	1758	2402	2909	2970	1077
55°	930	1540	2237	1962	1744	835
65°	534	1067	1024	570	490	528
75°	215	499	329	225	214	234
85°	46	178	168	164	166	51
90°	1	64	110	126	129	3
95°	1	38	88	103	106	1
105°	2	21	57	69	70	3
115°	4	12	35	43	44	4
125°	4	6	21	27	27	4
135°	4	4	10	16	17	3
145°	5	4	4	8	9	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	



TEST NUMBER: P830948

CATALOG NUMBER: OHBL-9HE-W-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2814.1	2814.1	2814.1	2814.1	2814.1
2.5°	2802.0	2814.1	2814.7	2831.7	2829.9
5°	2788.0	2809.3	2824.5	2849.3	2846.3
7.5°	2765.0	2798.3	2825.1	2852.4	2850.0
10°	2732.2	2777.7	2812.9	2835.4	2828.1
12.5°	2689.7	2749.8	2784.4	2789.2	2775.3
15°	2638.1	2712.1	2738.2	2717.6	2695.7
17.5°	2579.8	2666.6	2675.7	2630.8	2603.4
20°	2506.9	2605.9	2596.8	2534.8	2504.5
22.5°	2426.2	2539.1	2509.9	2445.0	2415.8
25°	2337.5	2462.6	2420.7	2375.2	2377.6
27.5°	2233.7	2375.8	2335.1	2355.7	2394.6
30°	2128.1	2284.7	2259.8	2380.0	2456.5
32.5°	2012.1	2191.2	2213.7	2451.1	2576.1
35°	1897.3	2097.7	2202.7	2568.8	2733.4
37.5°	1770.4	2003.0	2220.3	2704.8	2877.3
40°	1647.2	1910.7	2260.4	2826.9	2972.6
42.5°	1521.5	1828.1	2327.8	2899.1	3012.7
45°	1397.0	1757.7	2402.5	2908.8	2969.6
47.5°	1272.6	1698.2	2454.1	2831.7	2803.8
50°	1152.4	1645.4	2457.7	2646.6	2532.4
52.5°	1040.0	1596.8	2390.9	2351.5	2174.2
55°	930.2	1539.7	2237.3	1961.7	1743.7
57.5°	830.0	1460.8	2000.6	1542.8	1304.8
60°	723.7	1353.9	1694.5	1128.7	941.1
62.5°	626.0	1221.0	1351.5	785.6	676.4
65°	533.7	1066.8	1024.3	569.5	490.0
67.5°	435.9	907.1	755.9	415.3	364.3
70°	359.4	758.9	562.8	323.0	293.3
72.5°	281.1	618.1	420.8	262.3	245.9
75°	214.9	499.1	329.1	225.3	213.7
77.5°	158.5	394.6	264.7	199.1	188.2
80°	111.1	310.9	221.6	177.9	173.6
82.5°	74.7	240.4	188.8	169.4	170.0
85°	45.5	177.9	167.6	163.9	165.8
87.5°	21.9	126.3	143.9	149.4	151.2
90°	0.6	64.4	110.5	126.3	129.3
92.5°	0.0	49.2	97.1	112.9	116.0
95°	1.2	37.6	88.0	103.2	106.3
97.5°	1.2	31.0	78.9	94.7	96.5
100°	1.8	26.7	70.4	85.6	87.4
102.5°	1.8	23.7	63.1	76.5	77.7
105°	2.4	21.3	57.1	68.6	69.8



TEST NUMBER: P830948

CATALOG NUMBER: OHBL-9HE-W-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.6	14.6	40.1	48.6	49.8
115°	3.6	12.1	35.2	43.1	44.3
117.5°	4.3	10.9	31.0	38.3	38.9
120°	4.3	9.1	26.7	34.0	34.6
122.5°	4.3	7.3	23.7	30.4	31.0
125°	4.3	6.1	20.6	26.7	27.3
127.5°	3.6	4.3	17.6	23.7	24.3
130°	3.6	3.6	14.6	20.6	21.9
132.5°	3.6	3.6	12.1	18.2	19.4
135°	3.6	3.6	9.7	16.4	17.0
137.5°	3.6	3.6	7.9	14.0	15.2
140°	3.6	3.6	6.1	12.1	12.8
142.5°	4.3	3.6	5.5	10.3	10.9
145°	4.9	3.6	4.3	7.9	9.1
147.5°	4.9	4.3	4.3	6.7	7.3
150°	4.9	4.9	3.6	4.9	6.1
152.5°	4.9	4.9	3.6	3.6	4.9
155°	4.9	4.9	3.6	3.6	3.6
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°	3.0	18.8	51.0	61.3	62.5
110°	3.0	16.4	44.9	54.6	55.9



(END OF REPORT)