

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: P830940

Luminaire Tested: **OHBL-9HE-NL-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-9HE-NL-UNV-L935-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

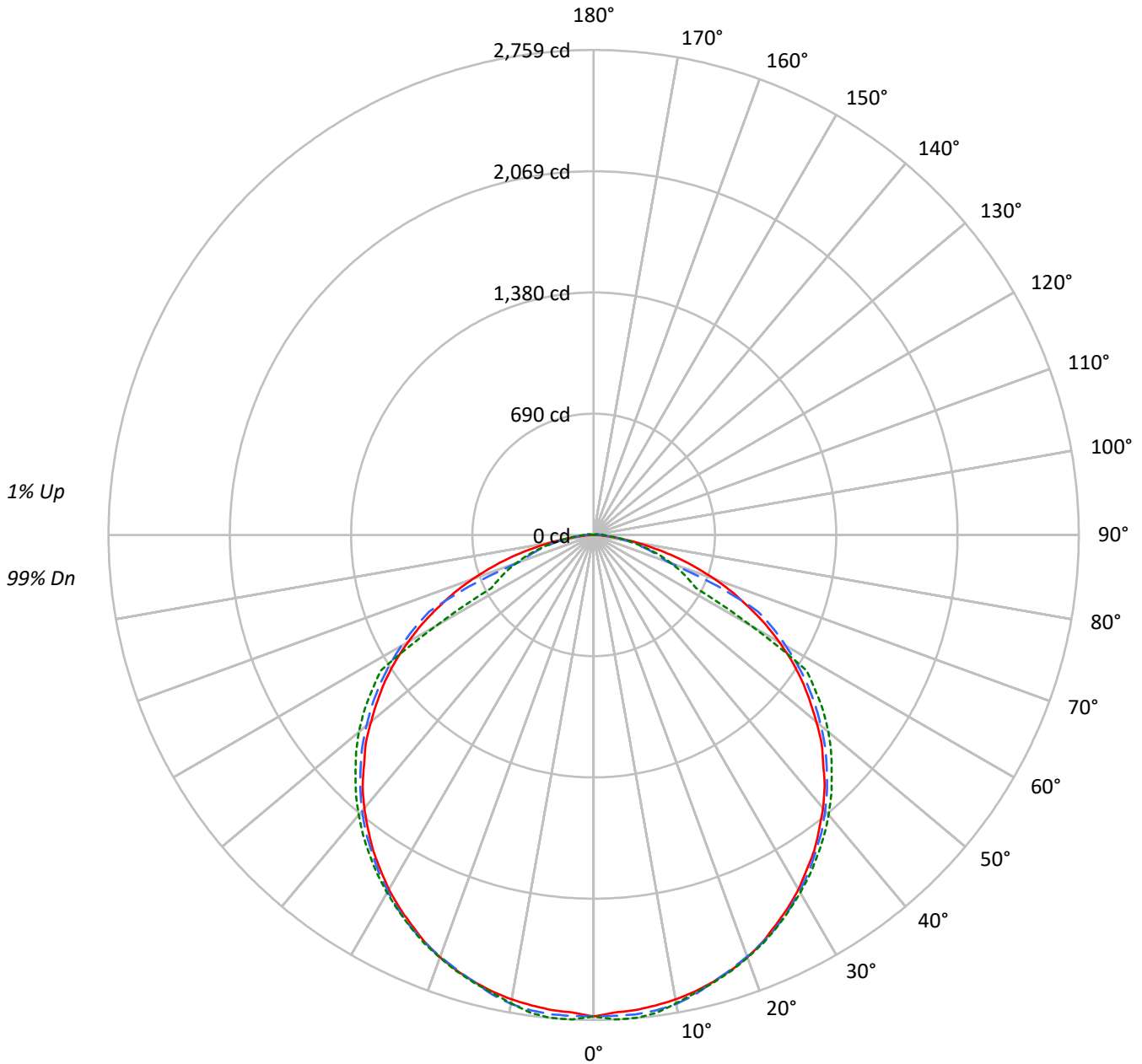
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7690.0 lumens
Efficiency: N/A
Efficacy: 147.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.67' x L: 3.78' x H: 0')
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: P830940
CATALOG NUMBER: OHBL-9HE-NL-UNV-L935-CD

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	111	111	111	106	106	106	102	102	102					99															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4678	4678	4678
5°	4652	4694	4730
10°	4654	4698	4692
15°	4653	4652	4662
20°	4647	4639	4651
25°	4615	4638	4642
30°	4593	4617	4635
35°	4564	4589	4632
40°	4524	4567	4634
45°	4459	4526	4625
50°	4392	4481	4629
55°	4308	4419	4578
60°	4163	4311	3564
65°	3939	4168	2399
70°	3643	2213	2328
75°	3178	2102	2223
80°	2444	1929	2037
85°	1233	1950	1997



TEST NUMBER: P830940

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.2	3.4
10°-20°	745.1	9.7
20°-30°	1133.7	14.7
30°-40°	1378.4	17.9
40°-50°	1449.3	18.8
50°-60°	1323.4	17.2
60°-70°	848.4	11.0
70°-80°	400.8	5.2
80°-90°	111.1	1.4
90°-100°	29.4	0.4
100°-110°	8.1	0.1
110°-120°	2.2	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2138.9	27.8
0°-40°	3517.3	45.7
0°-60°	6290.0	81.8
0°-90°	7650.3	99.5
90°-120°	39.7	0.5
90°-150°	39.7	0.5
90°-180°	40.0	0.5
0°-180°	7690.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2739	2739	2739	2739	2739	
5°	2714	2724	2738	2753	2759	258
15°	2631	2651	2631	2635	2637	743
25°	2449	2452	2461	2465	2463	1130
35°	2189	2176	2201	2228	2221	1368
45°	1846	1843	1874	1918	1915	1427
55°	1447	1436	1484	1534	1538	1290
65°	975	975	1031	592	594	966
75°	482	491	319	336	337	508
85°	63	80	100	108	102	93
90°	0	27	44	52	51	3
95°	1	14	32	43	43	1
105°	2	5	8	8	7	2
115°	2	3	5	3	0	2
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2739.0	2739.0	2739.0	2739.0	2739.0
2.5°	2719.7	2728.9	2739.0	2752.0	2759.1
5°	2713.5	2724.1	2738.0	2752.9	2758.7
7.5°	2700.1	2714.9	2728.4	2739.0	2742.3
10°	2683.2	2701.0	2708.7	2707.7	2705.3
12.5°	2660.6	2679.4	2677.0	2665.9	2667.8
15°	2631.3	2651.0	2630.9	2634.7	2636.6
17.5°	2596.7	2615.9	2592.4	2600.1	2600.6
20°	2556.4	2570.8	2552.5	2558.8	2558.8
22.5°	2507.8	2517.9	2510.2	2514.5	2515.5
25°	2448.7	2452.5	2461.2	2465.0	2463.1
27.5°	2392.0	2387.2	2404.0	2413.1	2408.3
30°	2329.0	2321.3	2341.0	2355.9	2350.2
32.5°	2256.9	2252.1	2274.7	2292.5	2289.1
35°	2188.7	2175.7	2200.7	2227.6	2221.3
37.5°	2107.9	2100.2	2128.6	2157.0	2153.6
40°	2029.1	2016.1	2048.3	2082.0	2078.6
42.5°	1944.5	1929.1	1964.2	2004.6	2000.8
45°	1846.0	1842.6	1873.9	1918.1	1914.7
47.5°	1758.6	1741.7	1785.4	1828.2	1832.1
50°	1652.8	1646.6	1686.5	1738.4	1742.2
52.5°	1549.5	1545.2	1586.9	1639.3	1646.1
55°	1446.6	1435.6	1484.1	1533.6	1537.5
57.5°	1336.6	1325.0	1374.6	1428.4	1436.5
60°	1218.8	1207.8	1262.1	1312.1	1043.4
62.5°	1101.1	1093.4	1150.1	814.6	656.5
65°	974.7	974.7	1031.3	591.6	593.5
67.5°	856.5	848.8	769.0	531.5	531.5
70°	729.6	732.5	443.1	465.7	466.2
72.5°	602.2	612.8	382.6	400.8	401.8
75°	481.6	490.7	318.6	335.5	336.9
77.5°	353.7	272.0	256.1	269.2	269.6
80°	248.5	171.6	196.1	208.6	207.1
82.5°	145.1	120.1	143.7	152.9	152.3
85°	62.9	79.8	99.5	107.7	101.9
87.5°	20.1	49.5	62.0	66.8	66.3
90°	0.0	26.9	44.2	52.4	51.4
92.5°	0.0	21.1	38.5	48.1	48.5
95°	1.4	13.9	31.8	42.8	42.8
97.5°	1.0	10.1	22.6	33.6	34.6
100°	1.0	8.1	14.9	24.0	24.5
102.5°	2.4	6.7	9.1	15.4	15.9
105°	2.4	5.3	7.7	7.7	7.2



TEST NUMBER: P830940

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.9	3.9	5.3	3.9	0.5
115°	2.4	3.4	4.8	3.4	0.5
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	2.4	4.8	6.7	4.3	1.4
110°	2.9	4.3	5.7	3.9	0.5



(END OF REPORT)