

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: P830952

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830952
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-L935-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

Summary

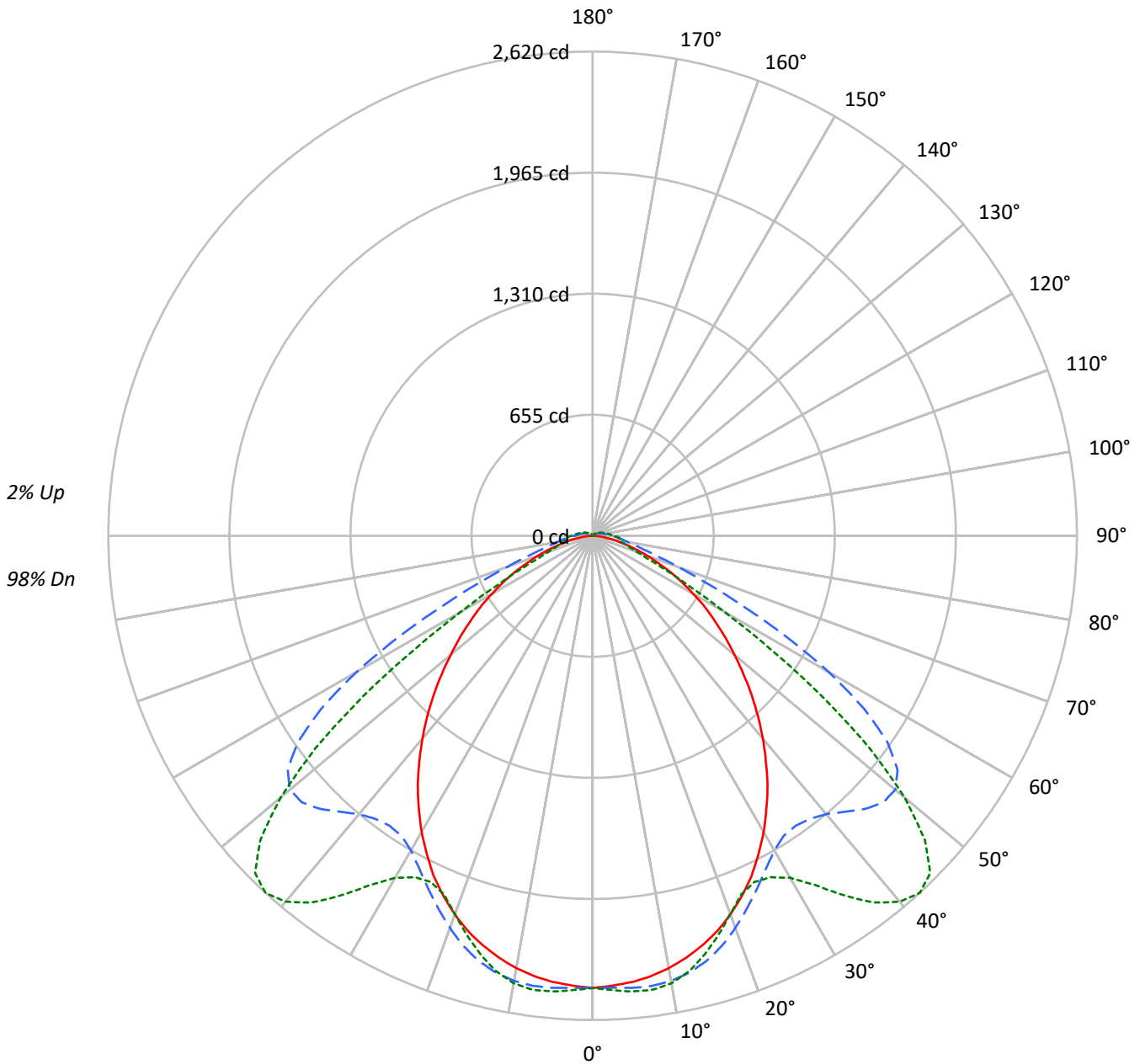
Lumens per Lamp: N/A
Luminaire Lumens: 7327.0 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): NR
Input Current (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				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	100	100	100	98
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	85	85	85	83
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	72	72	72	70
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	61	61	61	59
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	40	40	40	38
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	35	35	35	33
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	31	31	31	29
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	28	28	28	26
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	25	25	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4180	4180	4180
5°	4141	4174	4207
10°	4089	4167	4191
15°	4009	4098	4037
20°	3900	3958	3819
25°	3753	3787	3723
30°	3559	3660	3983
35°	3337	3728	4632
40°	3080	4037	5317
45°	2810	4579	5670
50°	2530	5064	5228
55°	2266	5057	3951
60°	1997	4278	2383
65°	1714	2954	1418
70°	1392	1909	999
75°	1059	1368	893
80°	760	1201	948
85°	516	1319	1318



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.8	3.2
10°-20°	662.2	9.0
20°-30°	969.0	13.2
30°-40°	1258.4	17.2
40°-50°	1536.7	21.0
50°-60°	1353.3	18.5
60°-70°	705.2	9.6
70°-80°	302.4	4.1
80°-90°	145.2	2.0
90°-100°	68.2	0.9
100°-110°	42.4	0.6
110°-120°	25.1	0.3
120°-130°	13.6	0.2
130°-140°	6.9	0.1
140°-150°	3.3	0.0
150°-160°	1.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1865.0	25.5
0°-40°	3123.5	42.6
0°-60°	6013.5	82.1
0°-90°	7166.4	97.8
90°-120°	135.7	1.9
90°-150°	159.5	2.2
90°-180°	161.0	2.2
0°-180°	7327.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2447	2447	2447	2447	2447	
5°	2424	2443	2456	2478	2475	230
15°	2294	2358	2381	2363	2344	646
25°	2033	2141	2105	2065	2068	933
35°	1650	1824	1915	2234	2377	1028
45°	1215	1528	2089	2529	2582	937
55°	809	1339	1946	1706	1516	726
65°	464	928	891	495	426	459
75°	187	434	286	196	186	204
85°	40	155	146	142	144	44
90°	0	56	96	110	112	3
95°	1	33	77	90	92	1
105°	2	18	50	60	61	2
115°	3	11	31	38	38	3
125°	4	5	18	23	24	3
135°	3	3	8	14	15	2
145°	4	3	4	7	8	2
155°	4	4	3	3	3	1
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°	2447.1	2447.1	2447.1	2447.1	2447.1
2.5°	2436.5	2447.1	2447.6	2462.4	2460.8
5°	2424.4	2442.9	2456.1	2477.7	2475.1
7.5°	2404.3	2433.4	2456.6	2480.3	2478.2
10°	2375.8	2415.4	2446.0	2465.6	2459.2
12.5°	2338.9	2391.1	2421.2	2425.4	2413.3
15°	2294.0	2358.4	2381.1	2363.1	2344.1
17.5°	2243.3	2318.8	2326.7	2287.6	2263.9
20°	2179.9	2266.0	2258.1	2204.2	2177.8
22.5°	2109.7	2207.9	2182.6	2126.1	2100.7
25°	2032.6	2141.4	2105.0	2065.4	2067.5
27.5°	1942.4	2065.9	2030.5	2048.5	2082.3
30°	1850.5	1986.7	1965.1	2069.6	2136.1
32.5°	1749.7	1905.4	1924.9	2131.4	2240.1
35°	1649.9	1824.1	1915.4	2233.8	2376.9
37.5°	1539.5	1741.7	1930.7	2352.1	2502.0
40°	1432.3	1661.5	1965.6	2458.2	2584.9
42.5°	1323.1	1589.7	2024.2	2521.0	2619.7
45°	1214.8	1528.4	2089.1	2529.4	2582.2
47.5°	1106.6	1476.7	2134.0	2462.4	2438.1
50°	1002.1	1430.8	2137.2	2301.4	2202.1
52.5°	904.4	1388.5	2079.1	2044.8	1890.6
55°	808.8	1338.9	1945.5	1705.8	1516.3
57.5°	721.7	1270.3	1739.6	1341.5	1134.6
60°	629.3	1177.3	1473.5	981.5	818.3
62.5°	544.3	1061.7	1175.2	683.2	588.1
65°	464.1	927.6	890.7	495.2	426.1
67.5°	379.1	788.8	657.3	361.1	316.8
70°	312.6	659.9	489.4	280.9	255.0
72.5°	244.4	537.5	365.9	228.1	213.8
75°	186.9	434.0	286.2	195.9	185.8
77.5°	137.8	343.2	230.2	173.2	163.7
80°	96.6	270.3	192.7	154.7	151.0
82.5°	64.9	209.1	164.2	147.3	147.8
85°	39.6	154.7	145.7	142.5	144.1
87.5°	19.0	109.8	125.1	129.9	131.5
90°	0.5	56.0	96.1	109.8	112.5
92.5°	0.0	42.8	84.5	98.2	100.8
95°	1.1	32.7	76.6	89.8	92.4
97.5°	1.1	26.9	68.6	82.4	83.9
100°	1.6	23.2	61.2	74.4	76.0
102.5°	1.6	20.6	54.9	66.5	67.6
105°	2.1	18.5	49.6	59.7	60.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	12.7	34.8	42.2	43.3
115°	3.2	10.6	30.6	37.5	38.5
117.5°	3.7	9.5	26.9	33.3	33.8
120°	3.7	7.9	23.2	29.6	30.1
122.5°	3.7	6.3	20.6	26.4	26.9
125°	3.7	5.3	18.0	23.2	23.8
127.5°	3.2	3.7	15.3	20.6	21.1
130°	3.2	3.2	12.7	18.0	19.0
132.5°	3.2	3.2	10.6	15.8	16.9
135°	3.2	3.2	8.4	14.3	14.8
137.5°	3.2	3.2	6.9	12.1	13.2
140°	3.2	3.2	5.3	10.6	11.1
142.5°	3.7	3.2	4.8	9.0	9.5
145°	4.2	3.2	3.7	6.9	7.9
147.5°	4.2	3.7	3.7	5.8	6.3
150°	4.2	4.2	3.2	4.2	5.3
152.5°	4.2	4.2	3.2	3.2	4.2
155°	4.2	4.2	3.2	3.2	3.2
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°	2.6	16.4	44.3	53.3	54.4
110°	2.6	14.3	39.1	47.5	48.6



(END OF REPORT)