

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: P830920

Luminaire Tested: **OHBL-9HE-N-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-9HE-N-UNV-L735-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

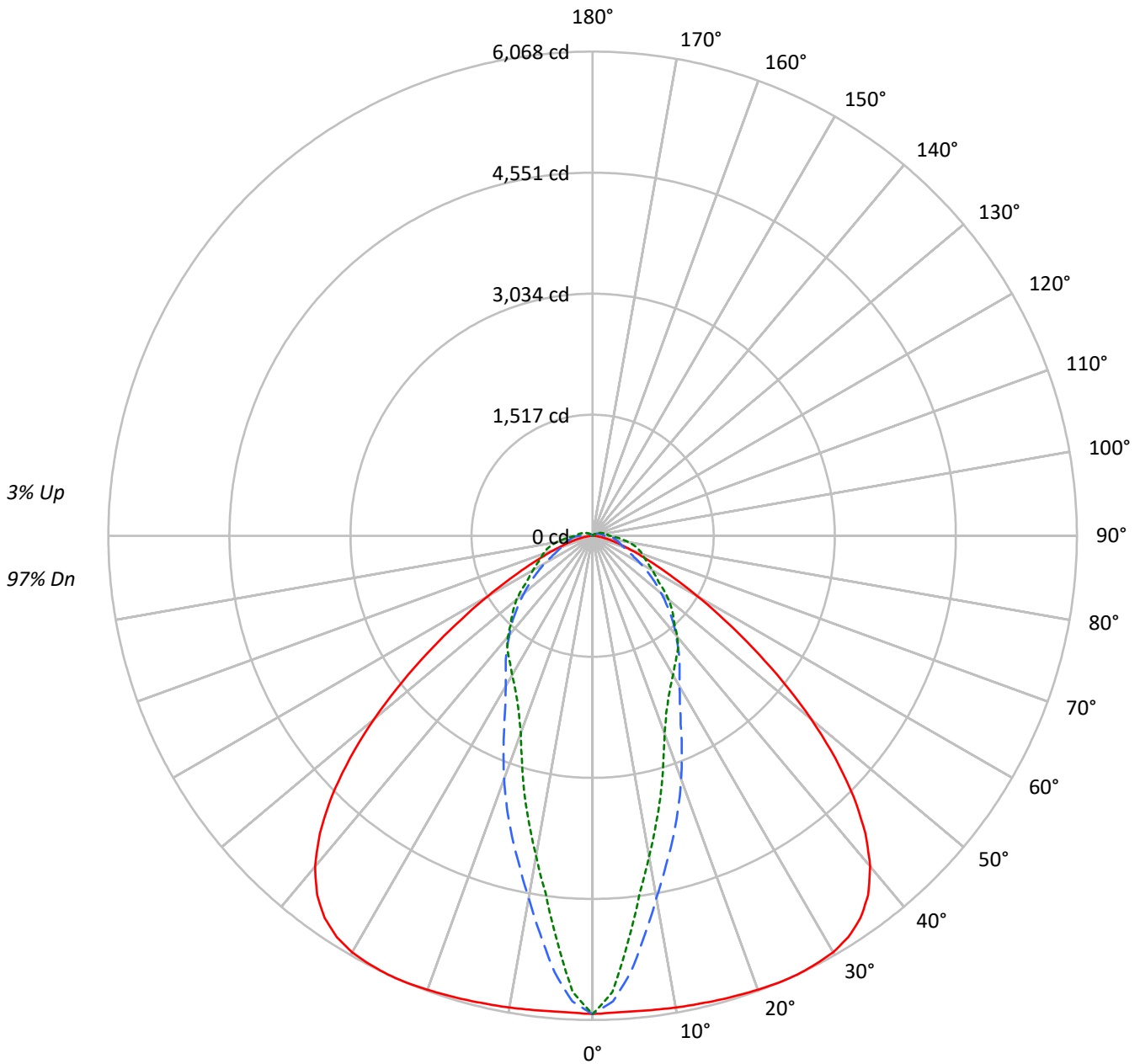
Lumens per Lamp: N/A
Luminaire Lumens: 8847.0 lumens
Efficiency: N/A
Efficacy: 170.1 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97																
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	85	82																
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	73	71																
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	64	62																
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	56	54																
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	50	48																
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	45	43																
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	41	39																
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	37	35																
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	34	32																
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	32	30																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10238	10238	10238
5°	10217	9324	8669
10°	10333	7854	6951
15°	10535	6717	5705
20°	10830	5679	4614
25°	11205	4701	4043
30°	11592	4050	3756
35°	11833	3691	3579
40°	11631	3334	3395
45°	10700	3013	3143
50°	9027	2662	2950
55°	6860	2331	2625
60°	4807	1999	2513
65°	3233	1722	2460
70°	2208	1616	2581
75°	1532	1667	2758
80°	1055	1846	2839
85°	618	2309	2979



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.6	5.7
10°-20°	1187.0	13.4
20°-30°	1487.9	16.8
30°-40°	1578.9	17.8
40°-50°	1427.5	16.1
50°-60°	1035.1	11.7
60°-70°	649.6	7.3
70°-80°	429.9	4.9
80°-90°	247.6	2.8
90°-100°	120.0	1.4
100°-110°	82.8	0.9
110°-120°	51.1	0.6
120°-130°	24.7	0.3
130°-140°	11.4	0.1
140°-150°	6.2	0.1
150°-160°	2.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3179.6	35.9
0°-40°	4758.4	53.8
0°-60°	7221.0	81.6
0°-90°	8548.1	96.6
90°-120°	253.9	2.9
90°-150°	296.2	3.3
90°-180°	299.0	3.4
0°-180°	8847.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5994	5994	5994	5994	5994	
5°	5982	5829	5487	5232	5100	572
15°	6028	4913	3902	3470	3313	1709
25°	6068	3799	2613	2319	2246	2803
35°	5850	2526	1896	1837	1836	3637
45°	4625	1600	1374	1407	1431	3523
55°	2449	992	897	973	1008	2212
65°	876	575	519	665	739	911
75°	270	310	349	541	574	301
85°	47	128	255	355	326	57
90°	0	54	148	208	210	3
95°	2	38	130	177	185	2
105°	5	25	95	126	129	5
115°	6	18	64	80	82	6
125°	7	9	32	41	40	6
135°	6	7	14	22	22	4
145°	7	7	9	13	13	4
155°	7	9	9	10	9	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°	5994.3	5994.3	5994.3	5994.3	5994.3
2.5°	5981.8	5947.5	5840.8	5775.8	5721.0
5°	5982.3	5828.9	5486.6	5232.1	5100.3
7.5°	5990.9	5649.7	5033.0	4661.6	4516.7
10°	6004.0	5427.8	4609.7	4213.8	4078.6
12.5°	6013.7	5177.9	4237.2	3830.4	3682.1
15°	6028.0	4913.2	3902.3	3470.4	3312.9
17.5°	6041.1	4663.9	3571.4	3120.1	2945.0
20°	6054.2	4395.2	3240.5	2775.5	2631.2
22.5°	6066.8	4111.6	2917.6	2507.9	2409.2
25°	6067.9	3799.0	2612.9	2319.1	2245.5
27.5°	6053.1	3475.0	2365.9	2161.1	2115.4
30°	6027.4	3160.6	2174.2	2047.0	2014.5
32.5°	5963.5	2840.0	2025.9	1936.9	1918.0
35°	5850.5	2525.6	1896.4	1837.0	1836.5
37.5°	5672.5	2246.7	1756.0	1745.8	1758.3
40°	5409.5	2002.5	1623.1	1650.5	1650.5
42.5°	5058.7	1790.3	1502.7	1530.7	1523.3
45°	4625.1	1599.7	1374.4	1407.4	1431.4
47.5°	4122.5	1432.0	1243.1	1307.0	1340.1
50°	3575.9	1272.2	1123.3	1204.9	1242.6
52.5°	3003.1	1124.5	1006.4	1099.9	1130.2
55°	2448.6	991.5	896.8	972.7	1007.5
57.5°	1946.6	864.9	789.6	861.5	933.3
60°	1514.7	755.9	688.6	791.3	863.2
62.5°	1157.0	658.9	593.9	725.7	797.6
65°	875.7	575.1	519.2	665.2	739.4
67.5°	660.1	502.6	461.0	621.3	693.7
70°	495.8	432.4	414.2	593.9	658.9
72.5°	366.3	368.0	377.1	569.9	619.6
75°	270.4	309.8	348.6	541.4	573.9
77.5°	193.4	256.7	322.9	507.2	518.6
80°	134.1	209.4	296.1	462.1	452.4
82.5°	83.9	167.7	272.1	412.5	385.7
85°	47.4	128.4	255.0	354.9	325.8
87.5°	21.1	95.8	223.1	276.7	258.4
90°	0.0	53.6	147.8	208.2	209.9
92.5°	1.1	44.5	136.4	190.5	196.3
95°	2.3	37.7	130.1	176.9	184.8
97.5°	2.9	33.1	122.1	164.3	171.2
100°	3.4	29.7	112.4	151.2	156.9
102.5°	4.0	27.4	103.3	137.5	142.1
105°	4.6	25.1	94.7	125.5	128.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.7	19.4	71.3	90.1	93.0
115°	6.3	17.7	63.9	79.9	81.6
117.5°	6.8	15.4	55.9	70.2	70.7
120°	6.8	13.7	47.9	59.9	59.9
122.5°	6.8	11.4	39.9	49.6	49.1
125°	6.8	9.1	32.5	41.1	40.5
127.5°	6.3	7.4	26.2	34.2	33.7
130°	6.3	7.4	21.1	29.1	29.1
132.5°	5.7	6.8	17.1	25.1	25.1
135°	5.7	6.8	14.3	22.2	22.2
137.5°	5.7	7.4	12.0	19.4	19.4
140°	5.7	6.8	10.3	17.1	17.1
142.5°	6.3	6.8	9.1	14.8	14.8
145°	6.8	7.4	8.6	13.1	12.6
147.5°	6.8	8.0	8.6	11.4	10.8
150°	6.8	8.6	8.6	10.3	9.7
152.5°	6.8	8.6	8.6	9.7	9.1
155°	6.8	8.6	9.1	9.7	8.6
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°	4.6	23.4	86.7	112.4	116.4
110°	5.1	21.1	79.3	100.4	104.4



(END OF REPORT)