

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: P830921

Luminaire Tested: **OHBL-9HE-N-UNV-L740-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830921
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-L740-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

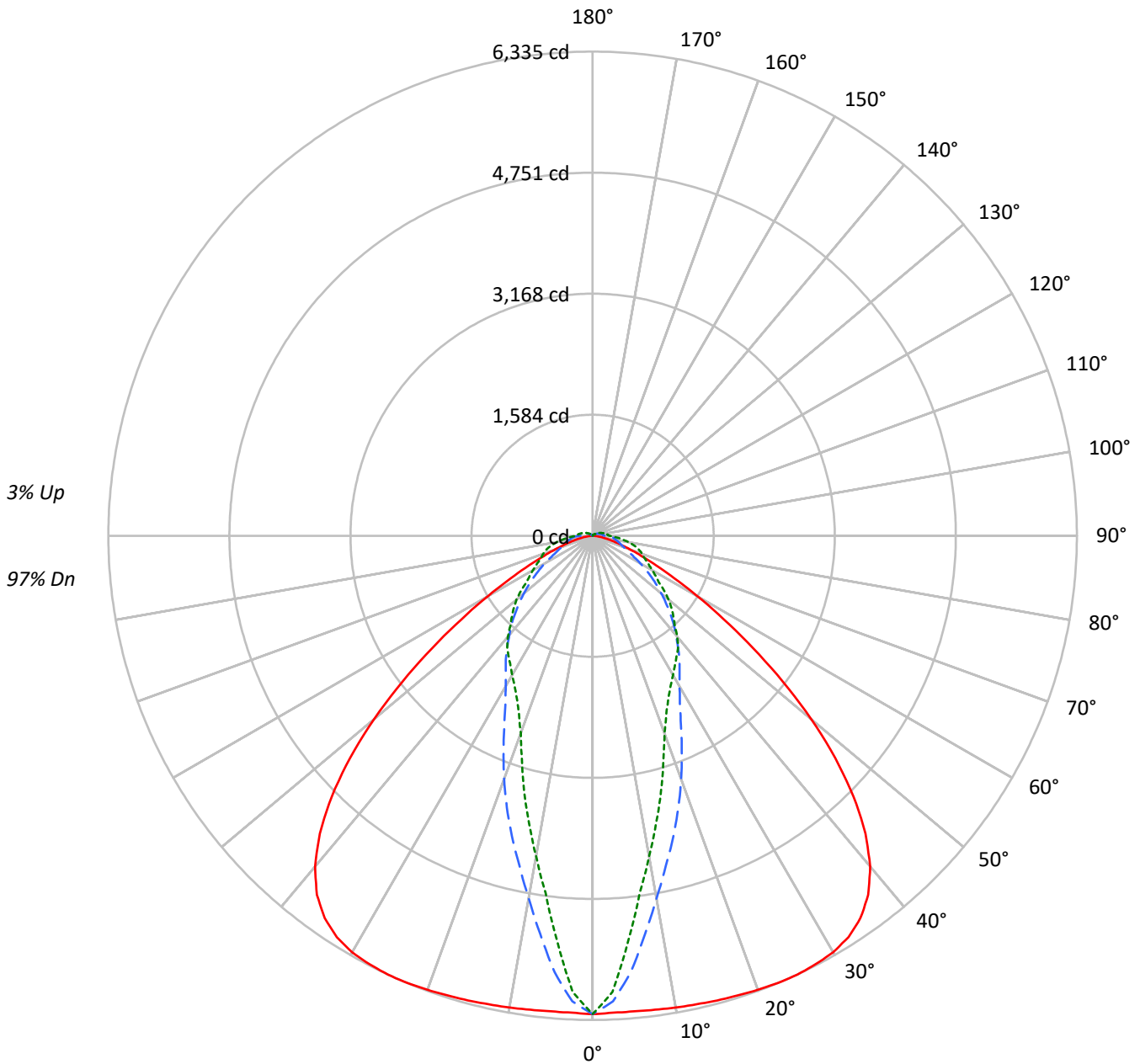
Lumens per Lamp: N/A
Luminaire Lumens: 9236.9 lumens
Efficiency: N/A
Efficacy: 177.6 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): NR
Input Current (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				
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	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°	10690	10690	10690
5°	10668	9735	9051
10°	10788	8200	7257
15°	10999	7013	5957
20°	11308	5930	4818
25°	11699	4908	4221
30°	12103	4228	3922
35°	12355	3853	3736
40°	12144	3481	3545
45°	11172	3145	3282
50°	9426	2779	3080
55°	7162	2434	2741
60°	5019	2088	2624
65°	3376	1798	2569
70°	2306	1687	2695
75°	1600	1740	2879
80°	1102	1927	2965
85°	644	2411	3110



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	526.8	5.7
10°-20°	1239.4	13.4
20°-30°	1553.5	16.8
30°-40°	1648.5	17.8
40°-50°	1490.5	16.1
50°-60°	1080.7	11.7
60°-70°	678.2	7.3
70°-80°	448.8	4.9
80°-90°	258.6	2.8
90°-100°	125.3	1.4
100°-110°	86.5	0.9
110°-120°	53.4	0.6
120°-130°	25.8	0.3
130°-140°	11.9	0.1
140°-150°	6.5	0.1
150°-160°	2.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3319.7	35.9
0°-40°	4968.2	53.8
0°-60°	7539.3	81.6
0°-90°	8924.9	96.6
90°-120°	265.1	2.9
90°-150°	309.3	3.3
90°-180°	312.0	3.4
0°-180°	9236.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6259	6259	6259	6259	6259	
5°	6246	6086	5728	5463	5325	597
15°	6294	5130	4074	3623	3459	1785
25°	6335	3966	2728	2421	2344	2927
35°	6108	2637	1980	1918	1917	3797
45°	4829	1670	1435	1470	1494	3679
55°	2557	1035	936	1016	1052	2310
65°	914	600	542	694	772	951
75°	282	323	364	565	599	315
85°	49	134	266	370	340	59
90°	0	56	154	217	219	3
95°	2	39	136	185	193	2
105°	5	26	99	131	135	5
115°	7	18	67	83	85	6
125°	7	10	34	43	42	6
135°	6	7	15	23	23	5
145°	7	8	9	14	13	4
155°	7	9	10	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°	6258.6	6258.6	6258.6	6258.6	6258.6
2.5°	6245.5	6209.7	6098.3	6030.4	5973.2
5°	6246.1	6085.8	5728.4	5462.8	5325.2
7.5°	6255.0	5898.8	5254.9	4867.1	4715.8
10°	6268.7	5667.1	4812.9	4399.5	4258.3
12.5°	6278.8	5406.2	4423.9	3999.2	3844.4
15°	6293.7	5129.8	4074.3	3623.4	3459.0
17.5°	6307.4	4869.5	3728.8	3257.6	3074.8
20°	6321.1	4588.9	3383.3	2897.9	2747.2
22.5°	6334.2	4292.9	3046.2	2618.5	2515.5
25°	6335.4	3966.5	2728.1	2421.3	2344.5
27.5°	6319.9	3628.1	2470.2	2256.3	2208.7
30°	6293.1	3299.9	2270.0	2137.2	2103.3
32.5°	6226.4	2965.2	2115.2	2022.3	2002.6
35°	6108.5	2637.0	1980.0	1918.0	1917.4
37.5°	5922.6	2345.7	1833.4	1822.7	1835.8
40°	5648.0	2090.8	1694.6	1723.2	1723.2
42.5°	5281.7	1869.2	1569.0	1598.1	1590.4
45°	4829.0	1670.2	1434.9	1469.5	1494.5
47.5°	4304.2	1495.1	1297.9	1364.6	1399.2
50°	3733.6	1328.3	1172.8	1258.0	1297.3
52.5°	3135.5	1174.0	1050.7	1148.4	1180.0
55°	2556.6	1035.3	936.4	1015.6	1051.9
57.5°	2032.4	903.0	824.4	899.4	974.5
60°	1581.5	789.2	719.0	826.2	901.2
62.5°	1208.0	688.0	620.1	757.7	832.7
65°	914.3	600.4	542.0	694.5	772.0
67.5°	689.2	524.8	481.3	648.7	724.3
70°	517.6	451.5	432.4	620.1	688.0
72.5°	382.4	384.2	393.7	595.1	646.9
75°	282.3	323.4	363.9	565.3	599.2
77.5°	201.9	268.0	337.1	529.5	541.5
80°	140.0	218.6	309.1	482.5	472.4
82.5°	87.6	175.1	284.1	430.7	402.7
85°	49.4	134.0	266.3	370.5	340.1
87.5°	22.0	100.1	232.9	288.9	269.8
90°	0.0	56.0	154.3	217.4	219.2
92.5°	1.2	46.5	142.4	198.9	204.9
95°	2.4	39.3	135.8	184.7	193.0
97.5°	3.0	34.5	127.5	171.5	178.7
100°	3.6	31.0	117.3	157.8	163.8
102.5°	4.2	28.6	107.8	143.6	148.3
105°	4.8	26.2	98.9	131.0	134.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.0	20.3	74.5	94.1	97.1
115°	6.6	18.5	66.7	83.4	85.2
117.5°	7.1	16.1	58.4	73.3	73.9
120°	7.1	14.3	50.0	62.5	62.5
122.5°	7.1	11.9	41.7	51.8	51.2
125°	7.1	9.5	34.0	42.9	42.3
127.5°	6.6	7.7	27.4	35.7	35.1
130°	6.6	7.7	22.0	30.4	30.4
132.5°	6.0	7.1	17.9	26.2	26.2
135°	6.0	7.1	14.9	23.2	23.2
137.5°	6.0	7.7	12.5	20.3	20.3
140°	6.0	7.1	10.7	17.9	17.9
142.5°	6.6	7.1	9.5	15.5	15.5
145°	7.1	7.7	8.9	13.7	13.1
147.5°	7.1	8.3	8.9	11.9	11.3
150°	7.1	8.9	8.9	10.7	10.1
152.5°	7.1	8.9	8.9	10.1	9.5
155°	7.1	8.9	9.5	10.1	8.9
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°	4.8	24.4	90.5	117.3	121.5
110°	5.4	22.0	82.8	104.8	109.0



(END OF REPORT)