

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: P830946

Luminaire Tested: **OHBL-9HE-W-UNV-L750-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830946
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-L750-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

Summary

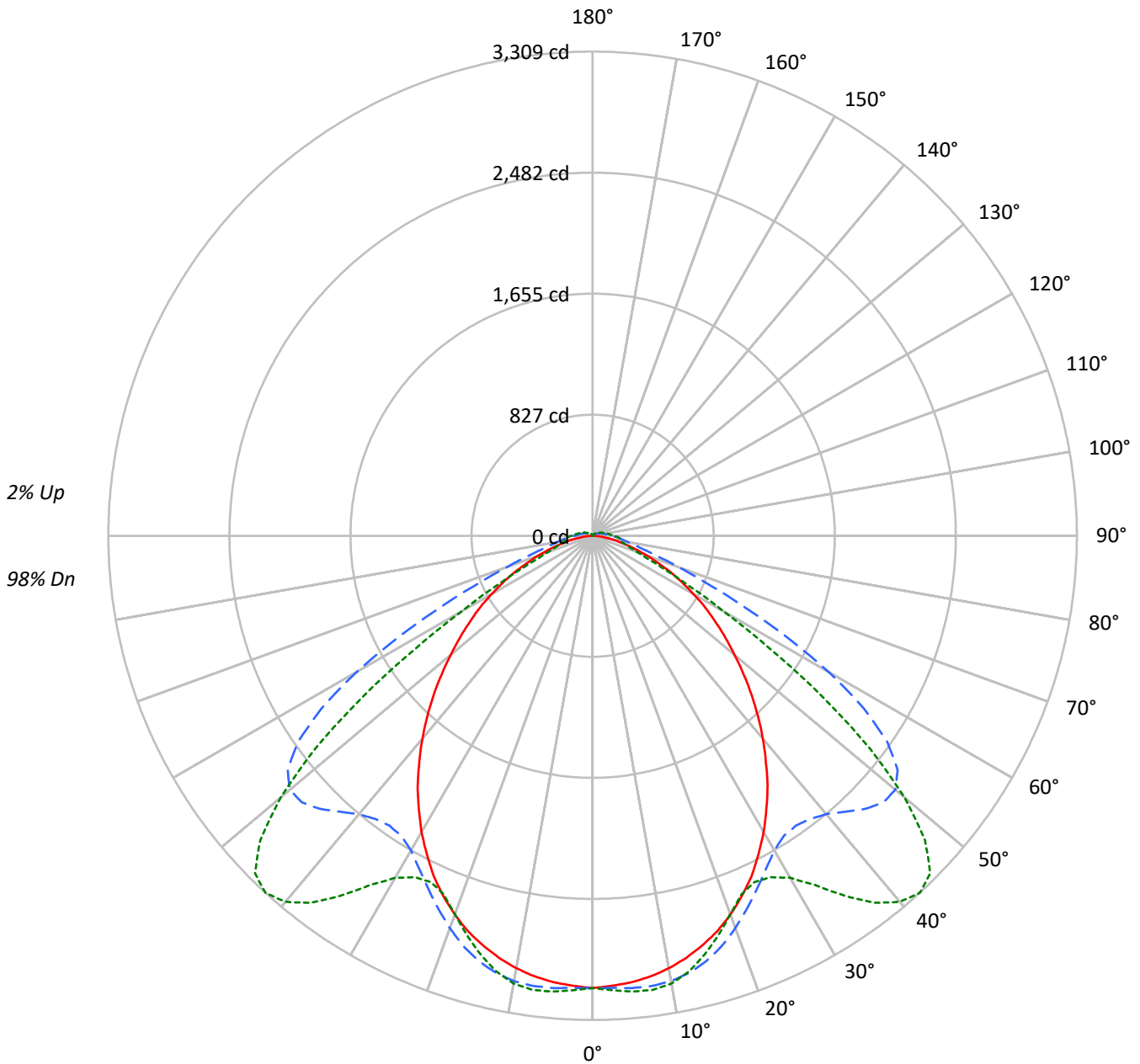
Lumens per Lamp: N/A
Luminaire Lumens: 9256.0 lumens
Efficiency: N/A
Efficacy: 178.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

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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	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°	5280	5280	5280
5°	5231	5273	5314
10°	5165	5265	5295
15°	5064	5178	5100
20°	4926	4999	4825
25°	4742	4784	4703
30°	4496	4624	5031
35°	4216	4709	5851
40°	3890	5100	6717
45°	3550	5785	7163
50°	3196	6397	6605
55°	2862	6389	4991
60°	2523	5405	3010
65°	2165	3732	1791
70°	1759	2412	1262
75°	1338	1728	1128
80°	961	1517	1197
85°	652	1667	1665



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.4	3.2
10°-20°	836.5	9.0
20°-30°	1224.1	13.2
30°-40°	1589.8	17.2
40°-50°	1941.3	21.0
50°-60°	1709.6	18.5
60°-70°	890.9	9.6
70°-80°	382.0	4.1
80°-90°	183.5	2.0
90°-100°	86.2	0.9
100°-110°	53.6	0.6
110°-120°	31.7	0.3
120°-130°	17.2	0.2
130°-140°	8.6	0.1
140°-150°	4.2	0.0
150°-160°	1.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2356.0	25.5
0°-40°	3945.8	42.6
0°-60°	7596.7	82.1
0°-90°	9053.1	97.8
90°-120°	171.4	1.9
90°-150°	201.5	2.2
90°-180°	203.0	2.2
0°-180°	9256.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3091	3091	3091	3091	3091	
5°	3063	3086	3103	3130	3127	290
15°	2898	2979	3008	2985	2961	816
25°	2568	2705	2659	2609	2612	1178
35°	2084	2304	2420	2822	3003	1299
45°	1535	1931	2639	3195	3262	1183
55°	1022	1691	2458	2155	1916	917
65°	586	1172	1125	626	538	580
75°	236	548	362	247	235	257
85°	50	195	184	180	182	56
90°	1	71	121	139	142	3
95°	1	41	97	113	117	1
105°	3	23	63	75	77	3
115°	4	13	39	47	49	4
125°	5	7	23	29	30	4
135°	4	4	11	18	19	3
145°	5	4	5	9	10	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	



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CATALOG NUMBER: OHBL-9HE-W-UNV-L750-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3091.3	3091.3	3091.3	3091.3	3091.3
2.5°	3078.0	3091.3	3092.0	3110.7	3108.7
5°	3062.7	3086.0	3102.7	3130.0	3126.7
7.5°	3037.3	3074.0	3103.3	3133.4	3130.7
10°	3001.3	3051.3	3090.0	3114.7	3106.7
12.5°	2954.6	3020.6	3058.7	3064.0	3048.6
15°	2897.9	2979.3	3008.0	2985.3	2961.3
17.5°	2833.9	2929.3	2939.3	2889.9	2859.9
20°	2753.9	2862.6	2852.6	2784.5	2751.2
22.5°	2665.2	2789.2	2757.2	2685.8	2653.8
25°	2567.8	2705.2	2659.1	2609.1	2611.8
27.5°	2453.7	2609.8	2565.1	2587.8	2630.5
30°	2337.7	2509.8	2482.4	2614.5	2698.5
32.5°	2210.3	2407.0	2431.7	2692.5	2829.9
35°	2084.2	2304.3	2419.7	2821.9	3002.6
37.5°	1944.8	2200.3	2439.1	2971.3	3160.7
40°	1809.4	2098.9	2483.1	3105.3	3265.4
42.5°	1671.4	2008.2	2557.1	3184.7	3309.4
45°	1534.7	1930.8	2639.1	3195.4	3262.1
47.5°	1397.9	1865.5	2695.8	3110.7	3080.0
50°	1265.9	1807.4	2699.8	2907.3	2781.9
52.5°	1142.5	1754.1	2626.5	2583.1	2388.4
55°	1021.8	1691.4	2457.7	2154.9	1915.5
57.5°	911.7	1604.7	2197.6	1694.7	1433.3
60°	795.0	1487.3	1861.5	1239.9	1033.8
62.5°	687.6	1341.2	1484.6	863.0	743.0
65°	586.3	1171.8	1125.2	625.6	538.2
67.5°	478.9	996.4	830.4	456.2	400.2
70°	394.8	833.7	618.3	354.8	322.1
72.5°	308.8	679.0	462.2	288.1	270.1
75°	236.1	548.2	361.5	247.4	234.8
77.5°	174.1	433.5	290.8	218.8	206.8
80°	122.1	341.5	243.4	195.4	190.7
82.5°	82.0	264.1	207.4	186.1	186.7
85°	50.0	195.4	184.1	180.1	182.1
87.5°	24.0	138.7	158.1	164.1	166.1
90°	0.7	70.7	121.4	138.7	142.1
92.5°	0.0	54.0	106.7	124.1	127.4
95°	1.3	41.4	96.7	113.4	116.7
97.5°	1.3	34.0	86.7	104.0	106.0
100°	2.0	29.3	77.4	94.0	96.0
102.5°	2.0	26.0	69.4	84.0	85.4
105°	2.7	23.3	62.7	75.4	76.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.0	16.0	44.0	53.4	54.7
115°	4.0	13.3	38.7	47.4	48.7
117.5°	4.7	12.0	34.0	42.0	42.7
120°	4.7	10.0	29.3	37.3	38.0
122.5°	4.7	8.0	26.0	33.3	34.0
125°	4.7	6.7	22.7	29.3	30.0
127.5°	4.0	4.7	19.3	26.0	26.7
130°	4.0	4.0	16.0	22.7	24.0
132.5°	4.0	4.0	13.3	20.0	21.3
135°	4.0	4.0	10.7	18.0	18.7
137.5°	4.0	4.0	8.7	15.3	16.7
140°	4.0	4.0	6.7	13.3	14.0
142.5°	4.7	4.0	6.0	11.3	12.0
145°	5.3	4.0	4.7	8.7	10.0
147.5°	5.3	4.7	4.7	7.3	8.0
150°	5.3	5.3	4.0	5.3	6.7
152.5°	5.3	5.3	4.0	4.0	5.3
155°	5.3	5.3	4.0	4.0	4.0
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°	3.3	20.7	56.0	67.4	68.7
110°	3.3	18.0	49.4	60.0	61.4



(END OF REPORT)