

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: P830886

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-9HE-A-UNV-L750-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

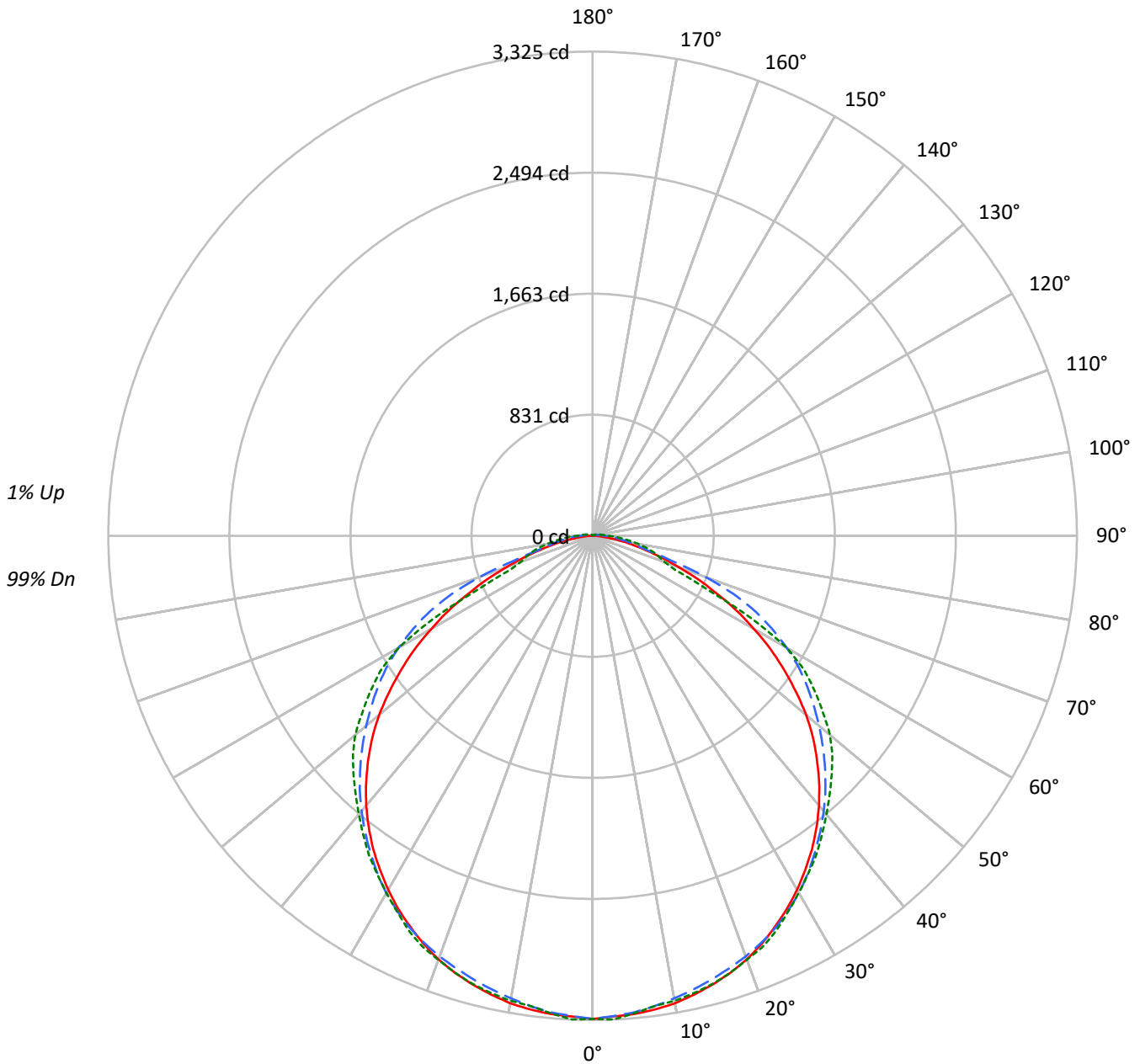
Lumens per Lamp: N/A
Luminaire Lumens: 9378.0 lumens
Efficiency: N/A
Efficacy: 180.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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	106	106	106	101	101	101	99				99
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86	83				83
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70				70
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61	59				59
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53	51				51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46	44				44
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40	38				38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36	34				34
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32	30				30
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29	27				27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5667	5667	5667
5°	5630	5582	5593
10°	5609	5495	5527
15°	5574	5429	5487
20°	5538	5387	5434
25°	5471	5344	5382
30°	5399	5279	5277
35°	5312	5175	5216
40°	5199	5069	5135
45°	5042	4946	5097
50°	4830	4806	5050
55°	4493	4668	4855
60°	4051	4467	4481
65°	3476	4099	2834
70°	2800	3193	2048
75°	2099	1890	2070
80°	1461	1564	1963
85°	831	1420	1816



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.9	3.3
10°-20°	897.1	9.6
20°-30°	1370.2	14.6
30°-40°	1662.5	17.7
40°-50°	1742.4	18.6
50°-60°	1578.9	16.8
60°-70°	1058.6	11.3
70°-80°	475.3	5.1
80°-90°	172.5	1.8
90°-100°	51.9	0.6
100°-110°	24.5	0.3
110°-120°	12.3	0.1
120°-130°	6.8	0.1
130°-140°	4.7	0.0
140°-150°	3.1	0.0
150°-160°	2.3	0.0
160°-170°	1.5	0.0
170°-180°	0.5	0.0
0°-30°	2580.1	27.5
0°-40°	4242.6	45.2
0°-60°	7564.0	80.7
0°-90°	9270.4	98.9
90°-120°	88.7	0.9
90°-150°	103.2	1.1
90°-180°	108.0	1.2
0°-180°	9378.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3318	3318	3318	3318	3318	
5°	3296	3308	3285	3295	3291	314
15°	3189	3177	3154	3182	3186	900
25°	2963	2950	2971	2998	2989	1366
35°	2626	2632	2659	2688	2677	1641
45°	2180	2215	2256	2314	2321	1679
55°	1604	1681	1796	1868	1863	1432
65°	941	1089	1236	1043	852	938
75°	370	537	395	404	431	405
85°	64	122	157	190	199	78
90°	0	41	81	102	106	4
95°	0	25	56	68	70	1
105°	2	11	27	33	34	2
115°	4	6	14	18	19	4
125°	3	4	9	10	11	3
135°	4	5	5	8	8	3
145°	4	5	5	5	6	3
155°	5	5	5	5	5	2
165°	5	5	5	5	5	1
175°	5	5	5	4	4	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3317.9	3317.9	3317.9	3317.9	3317.9
2.5°	3304.5	3318.4	3301.2	3319.9	3324.7
5°	3296.4	3307.9	3284.8	3294.9	3290.6
7.5°	3281.5	3285.3	3258.0	3266.1	3257.5
10°	3259.4	3257.5	3225.4	3241.2	3243.1
12.5°	3226.8	3221.0	3192.3	3216.2	3216.7
15°	3189.4	3176.9	3154.3	3182.2	3186.0
17.5°	3146.2	3129.9	3115.0	3151.0	3145.2
20°	3095.8	3076.6	3073.8	3113.1	3098.7
22.5°	3033.5	3018.6	3025.3	3062.7	3053.6
25°	2962.9	2950.0	2970.6	2998.0	2989.3
27.5°	2888.6	2880.9	2904.4	2925.5	2908.7
30°	2807.0	2802.7	2833.9	2851.1	2830.0
32.5°	2718.3	2719.7	2749.4	2772.9	2753.3
35°	2626.1	2632.4	2659.2	2687.6	2677.0
37.5°	2524.9	2538.8	2565.7	2597.8	2586.8
40°	2417.9	2438.1	2467.8	2506.7	2496.6
42.5°	2302.3	2327.7	2366.1	2409.3	2408.3
45°	2179.5	2215.0	2256.3	2313.8	2321.0
47.5°	2051.9	2091.7	2144.0	2220.8	2231.8
50°	1913.2	1963.1	2028.4	2120.5	2127.2
52.5°	1758.8	1826.9	1913.2	2001.5	1993.4
55°	1603.8	1681.0	1795.7	1867.7	1863.3
57.5°	1449.3	1536.2	1675.3	1726.6	1726.1
60°	1276.6	1386.5	1538.6	1577.4	1539.0
62.5°	1116.9	1234.9	1392.7	1364.4	1233.0
65°	941.3	1088.6	1235.8	1043.0	851.6
67.5°	785.3	938.9	1049.7	714.3	611.7
70°	628.5	797.8	818.5	530.1	522.9
72.5°	489.3	669.7	564.7	453.8	476.9
75°	370.4	537.3	395.3	404.4	430.8
77.5°	270.1	412.6	307.5	354.5	376.1
80°	185.7	292.2	250.9	297.9	312.8
82.5°	116.6	192.9	201.0	239.9	255.2
85°	63.8	122.3	156.9	189.5	198.6
87.5°	26.4	73.9	119.9	146.3	154.0
90°	0.5	40.8	81.1	101.7	106.5
92.5°	0.5	31.2	66.2	82.0	85.4
95°	0.5	25.4	55.7	67.6	69.6
97.5°	1.0	20.1	46.5	56.1	58.0
100°	1.4	16.8	38.9	47.0	48.5
102.5°	1.9	13.4	32.6	39.3	40.8
105°	1.9	11.0	27.3	33.1	34.5



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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	6.7	16.3	20.6	21.6
115°	3.8	5.8	13.9	17.8	18.7
117.5°	3.8	4.8	12.0	14.9	15.8
120°	3.8	4.3	10.6	13.0	13.4
122.5°	3.8	3.8	9.1	11.5	12.0
125°	3.4	3.8	8.6	10.1	10.6
127.5°	3.8	3.8	7.7	9.1	9.6
130°	3.8	4.3	6.7	8.6	8.6
132.5°	4.3	4.8	6.2	8.2	8.2
135°	4.3	4.8	5.3	7.7	8.2
137.5°	4.8	4.8	4.8	7.2	7.7
140°	4.8	4.8	4.3	6.2	6.7
142.5°	4.3	4.8	4.3	5.8	6.2
145°	4.3	4.8	4.8	5.3	5.8
147.5°	4.8	4.8	4.8	4.8	5.3
150°	4.8	4.8	4.8	4.8	4.8
152.5°	4.8	4.8	4.8	4.8	4.8
155°	4.8	5.3	5.3	5.3	4.8
157.5°	4.8	5.3	5.3	5.3	5.3
160°	4.8	5.3	5.3	5.3	5.3
162.5°	5.3	5.3	5.3	5.3	5.3
165°	5.3	5.3	5.3	5.3	5.3
167.5°	5.3	5.8	5.3	5.3	5.3
170°	5.3	5.3	5.3	4.8	4.8
172.5°	5.3	5.3	5.3	4.8	4.8
175°	5.3	5.3	4.8	4.3	4.3
177.5°	5.8	5.3	4.8	4.3	3.8
180°	4.8	4.8	4.8	4.8	4.8



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	2.4	9.1	23.5	28.3	29.3
110°	2.9	7.7	19.7	24.0	24.9



(END OF REPORT)