

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: P830943

Luminaire Tested: **OHBL-9HE-W-UNV-L730-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830943
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-L730-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

Summary

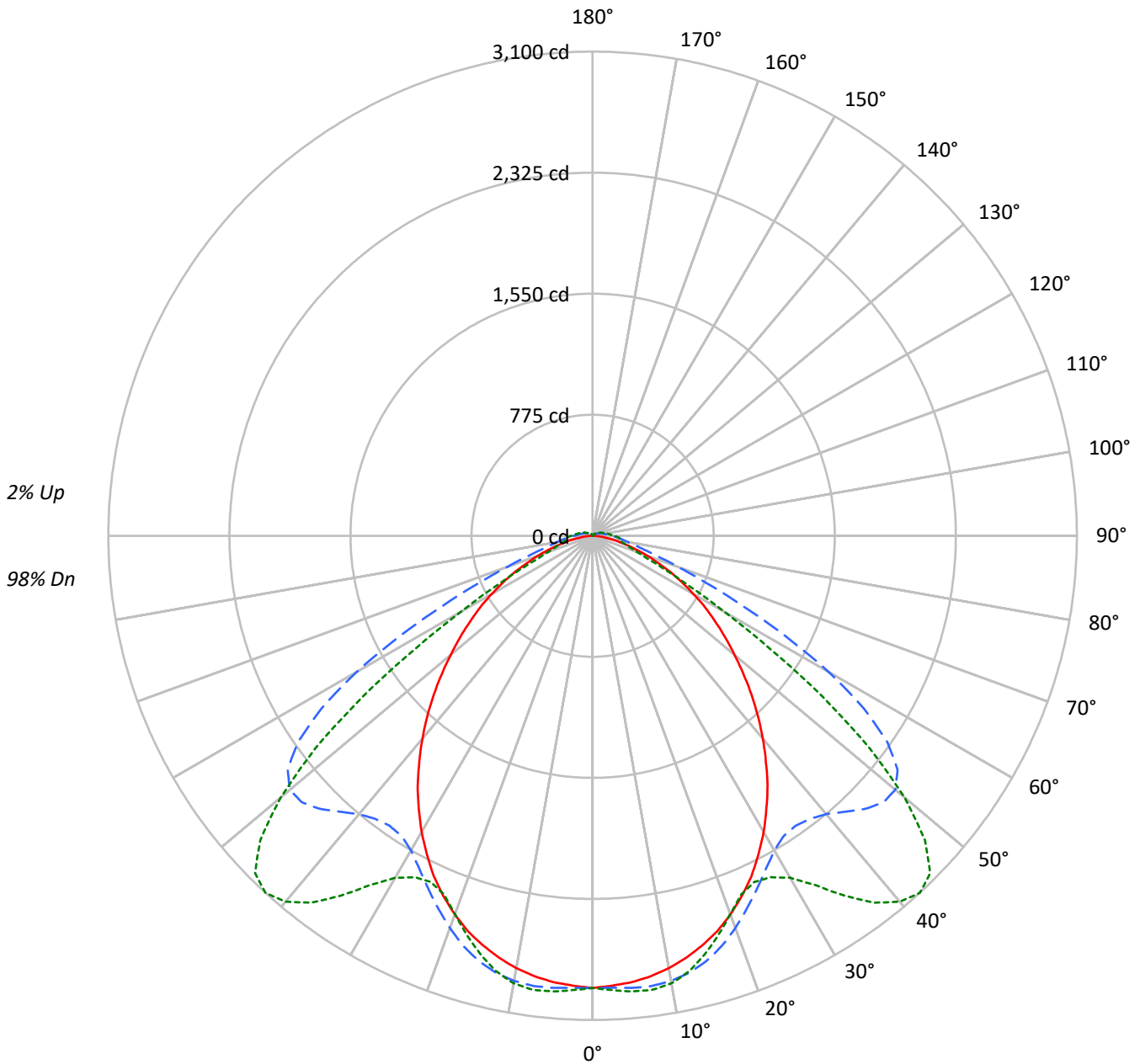
Lumens per Lamp: N/A
Luminaire Lumens: 8670.0 lumens
Efficiency: N/A
Efficacy: 166.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	4946	4946	4946
5°	4900	4939	4978
10°	4838	4931	4959
15°	4744	4850	4777
20°	4614	4683	4519
25°	4441	4481	4405
30°	4211	4331	4713
35°	3949	4411	5480
40°	3644	4777	6292
45°	3326	5419	6710
50°	2993	5992	6186
55°	2681	5984	4675
60°	2363	5063	2819
65°	2027	3495	1678
70°	1647	2259	1182
75°	1253	1619	1057
80°	899	1421	1122
85°	611	1561	1560



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.7	3.2
10°-20°	783.6	9.0
20°-30°	1146.6	13.2
30°-40°	1489.1	17.2
40°-50°	1818.4	21.0
50°-60°	1601.4	18.5
60°-70°	834.5	9.6
70°-80°	357.9	4.1
80°-90°	171.9	2.0
90°-100°	80.7	0.9
100°-110°	50.2	0.6
110°-120°	29.7	0.3
120°-130°	16.1	0.2
130°-140°	8.1	0.1
140°-150°	3.9	0.0
150°-160°	1.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2206.9	25.5
0°-40°	3696.0	42.6
0°-60°	7115.7	82.1
0°-90°	8479.9	97.8
90°-120°	160.6	1.9
90°-150°	188.7	2.2
90°-180°	190.0	2.2
0°-180°	8670.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2896	2896	2896	2896	2896	
5°	2869	2891	2906	2932	2929	272
15°	2714	2791	2818	2796	2774	764
25°	2405	2534	2491	2444	2446	1104
35°	1952	2158	2266	2643	2812	1217
45°	1438	1809	2472	2993	3056	1108
55°	957	1584	2302	2018	1794	859
65°	549	1098	1054	586	504	543
75°	221	514	339	232	220	241
85°	47	183	172	169	171	52
90°	1	66	114	130	133	3
95°	1	39	91	106	109	1
105°	2	22	59	71	72	3
115°	4	12	36	44	46	4
125°	4	6	21	28	28	4
135°	4	4	10	17	18	3
145°	5	4	4	8	9	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2895.6	2895.6	2895.6	2895.6	2895.6
2.5°	2883.1	2895.6	2896.2	2913.7	2911.9
5°	2868.8	2890.6	2906.2	2931.9	2928.7
7.5°	2845.0	2879.4	2906.9	2935.0	2932.5
10°	2811.3	2858.1	2894.4	2917.5	2910.0
12.5°	2767.6	2829.4	2865.0	2870.0	2855.6
15°	2714.5	2790.7	2817.5	2796.3	2773.8
17.5°	2654.5	2743.8	2753.2	2707.0	2678.8
20°	2579.5	2681.3	2672.0	2608.2	2577.0
22.5°	2496.4	2612.6	2582.6	2515.8	2485.8
25°	2405.2	2533.9	2490.8	2443.9	2446.4
27.5°	2298.4	2444.6	2402.7	2424.0	2463.9
30°	2189.7	2350.9	2325.2	2448.9	2527.7
32.5°	2070.4	2254.6	2277.8	2522.0	2650.7
35°	1952.3	2158.4	2266.5	2643.2	2812.5
37.5°	1821.7	2061.0	2284.6	2783.2	2960.6
40°	1694.9	1966.0	2325.9	2908.7	3058.7
42.5°	1565.6	1881.1	2395.2	2983.1	3099.9
45°	1437.5	1808.6	2472.1	2993.1	3055.6
47.5°	1309.4	1747.4	2525.2	2913.7	2885.0
50°	1185.7	1693.0	2528.9	2723.2	2605.7
52.5°	1070.2	1643.0	2460.2	2419.6	2237.2
55°	957.1	1584.3	2302.1	2018.5	1794.2
57.5°	854.0	1503.1	2058.5	1587.4	1342.5
60°	744.7	1393.1	1743.6	1161.4	968.3
62.5°	644.1	1256.3	1390.6	808.4	695.9
65°	549.1	1097.6	1053.9	586.0	504.2
67.5°	448.6	933.3	777.8	427.3	374.8
70°	369.8	780.9	579.1	332.4	301.7
72.5°	289.2	636.0	432.9	269.9	253.0
75°	221.2	513.5	338.6	231.8	219.9
77.5°	163.1	406.1	272.4	204.9	193.7
80°	114.3	319.9	228.0	183.0	178.7
82.5°	76.8	247.4	194.3	174.3	174.9
85°	46.9	183.0	172.4	168.7	170.6
87.5°	22.5	129.9	148.1	153.7	155.6
90°	0.6	66.2	113.7	129.9	133.1
92.5°	0.0	50.6	100.0	116.2	119.3
95°	1.2	38.7	90.6	106.2	109.3
97.5°	1.2	31.9	81.2	97.5	99.3
100°	1.9	27.5	72.5	88.1	90.0
102.5°	1.9	24.4	65.0	78.7	80.0
105°	2.5	21.9	58.7	70.6	71.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.7	15.0	41.2	50.0	51.2
115°	3.7	12.5	36.2	44.4	45.6
117.5°	4.4	11.2	31.9	39.4	40.0
120°	4.4	9.4	27.5	35.0	35.6
122.5°	4.4	7.5	24.4	31.2	31.9
125°	4.4	6.2	21.2	27.5	28.1
127.5°	3.7	4.4	18.1	24.4	25.0
130°	3.7	3.7	15.0	21.2	22.5
132.5°	3.7	3.7	12.5	18.7	20.0
135°	3.7	3.7	10.0	16.9	17.5
137.5°	3.7	3.7	8.1	14.4	15.6
140°	3.7	3.7	6.2	12.5	13.1
142.5°	4.4	3.7	5.6	10.6	11.2
145°	5.0	3.7	4.4	8.1	9.4
147.5°	5.0	4.4	4.4	6.9	7.5
150°	5.0	5.0	3.7	5.0	6.2
152.5°	5.0	5.0	3.7	3.7	5.0
155°	5.0	5.0	3.7	3.7	3.7
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°	3.1	19.4	52.5	63.1	64.3
110°	3.1	16.9	46.2	56.2	57.5



(END OF REPORT)