

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: P829575

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829575
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: OHB-9HE-W-UNV-L730-CD
Description: 9000 LUMEN OHB HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

Summary

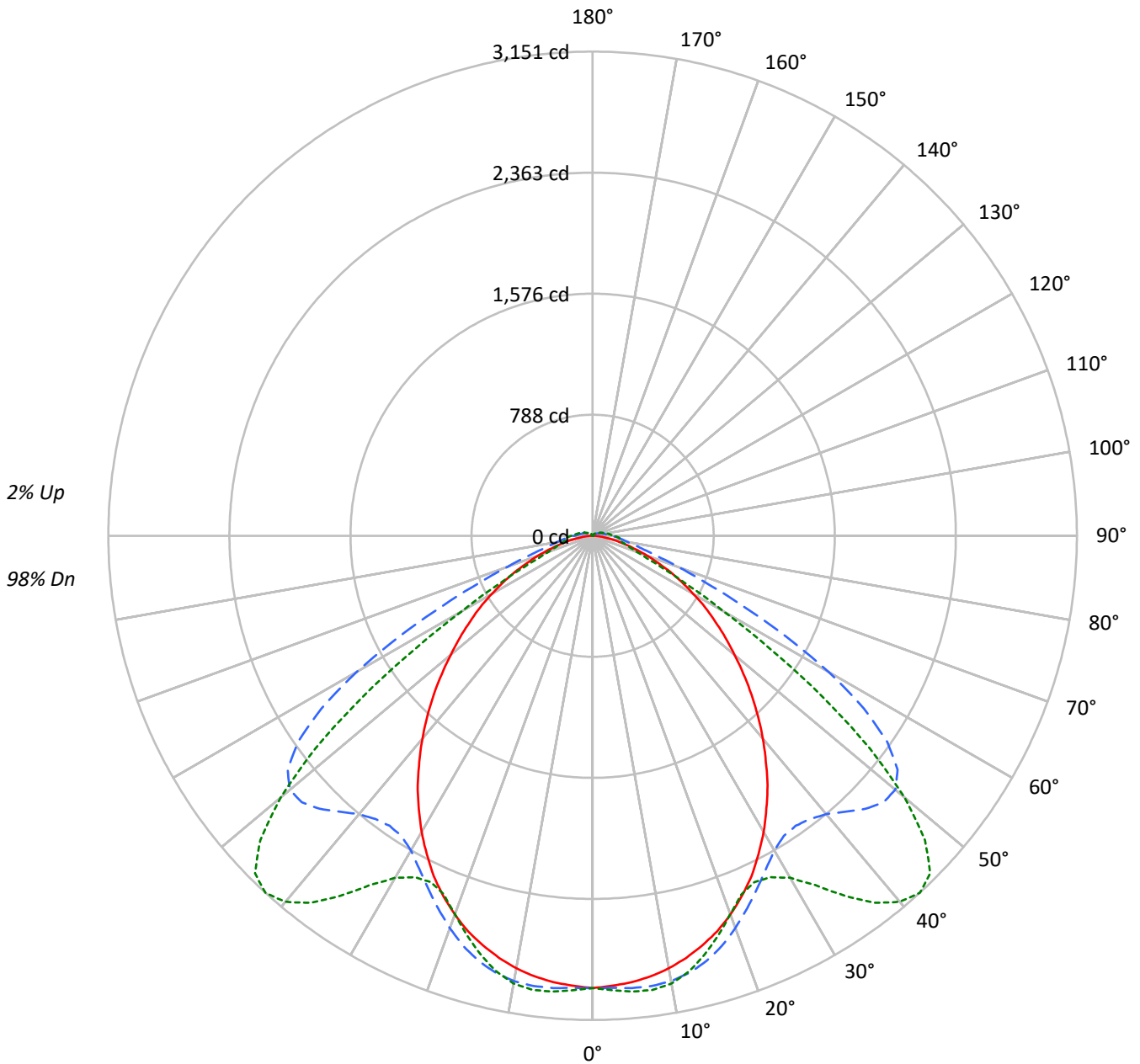
Lumens per Lamp: N/A
Luminaire Lumens: 8814.0 lumens
Efficiency: N/A
Efficacy: 169.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')
CIE Type: Direct

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				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	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°	9833	9833	9833
5°	9706	9794	9897
10°	9549	9754	9861
15°	9328	9568	9498
20°	9039	9215	8986
25°	8664	8793	8759
30°	8179	8474	9371
35°	7633	8603	10897
40°	7007	9285	12510
45°	6356	10491	13340
50°	5681	11548	12300
55°	5045	11473	9295
60°	4400	9643	5606
65°	3724	6604	3336
70°	2969	4222	2351
75°	2195	2979	2102
80°	1501	2553	2229
85°	919	2682	3101



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.3	3.2
10°-20°	796.6	9.0
20°-30°	1165.7	13.2
30°-40°	1513.8	17.2
40°-50°	1848.6	21.0
50°-60°	1628.0	18.5
60°-70°	848.3	9.6
70°-80°	363.8	4.1
80°-90°	174.7	2.0
90°-100°	82.1	0.9
100°-110°	51.0	0.6
110°-120°	30.2	0.3
120°-130°	16.4	0.2
130°-140°	8.2	0.1
140°-150°	4.0	0.0
150°-160°	1.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2243.5	25.5
0°-40°	3757.4	42.6
0°-60°	7233.9	82.1
0°-90°	8620.7	97.8
90°-120°	163.3	1.9
90°-150°	191.8	2.2
90°-180°	193.0	2.2
0°-180°	8814.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2944	2944	2944	2944	2944	
5°	2916	2939	2954	2981	2977	277
15°	2760	2837	2864	2843	2820	777
25°	2445	2576	2532	2484	2487	1122
35°	1985	2194	2304	2687	2859	1237
45°	1461	1839	2513	3043	3106	1127
55°	973	1611	2340	2052	1824	873
65°	558	1116	1071	596	512	552
75°	225	522	344	236	224	245
85°	48	186	175	172	173	53
90°	1	67	116	132	135	3
95°	1	39	92	108	111	1
105°	2	22	60	72	73	3
115°	4	13	37	45	46	4
125°	4	6	22	28	29	4
135°	4	4	10	17	18	3
145°	5	4	4	8	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2943.7	2943.7	2943.7	2943.7	2943.7
2.5°	2931.0	2943.7	2944.4	2962.1	2960.2
5°	2916.4	2938.6	2954.5	2980.6	2977.4
7.5°	2892.3	2927.2	2955.1	2983.7	2981.2
10°	2858.0	2905.6	2942.4	2965.9	2958.3
12.5°	2813.5	2876.4	2912.6	2917.7	2903.1
15°	2759.5	2837.0	2864.3	2842.7	2819.9
17.5°	2698.6	2789.4	2798.9	2751.9	2723.3
20°	2622.4	2725.9	2716.3	2651.6	2619.8
22.5°	2537.9	2656.0	2625.5	2557.6	2527.1
25°	2445.2	2576.0	2532.2	2484.5	2487.1
27.5°	2336.6	2485.2	2442.6	2464.2	2504.9
30°	2226.0	2389.9	2363.9	2489.6	2569.6
32.5°	2104.7	2292.1	2315.6	2563.9	2694.8
35°	1984.7	2194.3	2304.2	2687.1	2859.2
37.5°	1852.0	2095.2	2322.6	2829.4	3009.8
40°	1723.0	1998.7	2364.5	2957.1	3109.5
42.5°	1591.6	1912.3	2435.0	3032.6	3151.4
45°	1461.4	1838.6	2513.1	3042.8	3106.3
47.5°	1331.2	1776.4	2567.1	2962.1	2932.9
50°	1205.4	1721.1	2570.9	2768.4	2649.0
52.5°	1087.9	1670.3	2501.0	2459.8	2274.3
55°	973.0	1610.6	2340.4	2052.0	1824.0
57.5°	868.2	1528.1	2092.7	1613.8	1364.8
60°	757.0	1416.3	1772.6	1180.7	984.4
62.5°	654.8	1277.2	1413.7	821.8	707.5
65°	558.3	1115.9	1071.4	595.7	512.5
67.5°	456.0	948.8	790.7	434.4	381.1
70°	376.0	793.9	588.7	337.9	306.8
72.5°	294.1	646.5	440.1	274.4	257.2
75°	224.8	522.1	344.2	235.6	223.6
77.5°	165.8	412.8	276.9	208.3	196.9
80°	116.2	325.2	231.8	186.1	181.6
82.5°	78.1	251.5	197.5	177.2	177.8
85°	47.6	186.1	175.3	171.5	173.4
87.5°	22.9	132.1	150.5	156.2	158.1
90°	0.6	67.3	115.6	132.1	135.3
92.5°	0.0	51.4	101.6	118.1	121.3
95°	1.3	39.4	92.1	108.0	111.1
97.5°	1.3	32.4	82.6	99.1	101.0
100°	1.9	27.9	73.7	89.5	91.5
102.5°	1.9	24.8	66.1	80.0	81.3
105°	2.5	22.2	59.7	71.8	73.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.8	15.2	41.9	50.8	52.1
115°	3.8	12.7	36.8	45.1	46.4
117.5°	4.4	11.4	32.4	40.0	40.6
120°	4.4	9.5	27.9	35.6	36.2
122.5°	4.4	7.6	24.8	31.8	32.4
125°	4.4	6.4	21.6	27.9	28.6
127.5°	3.8	4.4	18.4	24.8	25.4
130°	3.8	3.8	15.2	21.6	22.9
132.5°	3.8	3.8	12.7	19.1	20.3
135°	3.8	3.8	10.2	17.1	17.8
137.5°	3.8	3.8	8.3	14.6	15.9
140°	3.8	3.8	6.4	12.7	13.3
142.5°	4.4	3.8	5.7	10.8	11.4
145°	5.1	3.8	4.4	8.3	9.5
147.5°	5.1	4.4	4.4	7.0	7.6
150°	5.1	5.1	3.8	5.1	6.4
152.5°	5.1	5.1	3.8	3.8	5.1
155°	5.1	5.1	3.8	3.8	3.8
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°	3.2	19.7	53.3	64.1	65.4
110°	3.2	17.1	47.0	57.2	58.4



(END OF REPORT)