

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: P828731

Luminaire Tested: **OHB-12HE-A-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828731
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: OHB-12HE-A-UNV-L930-CD
Description: 12000 LUMEN OHB HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

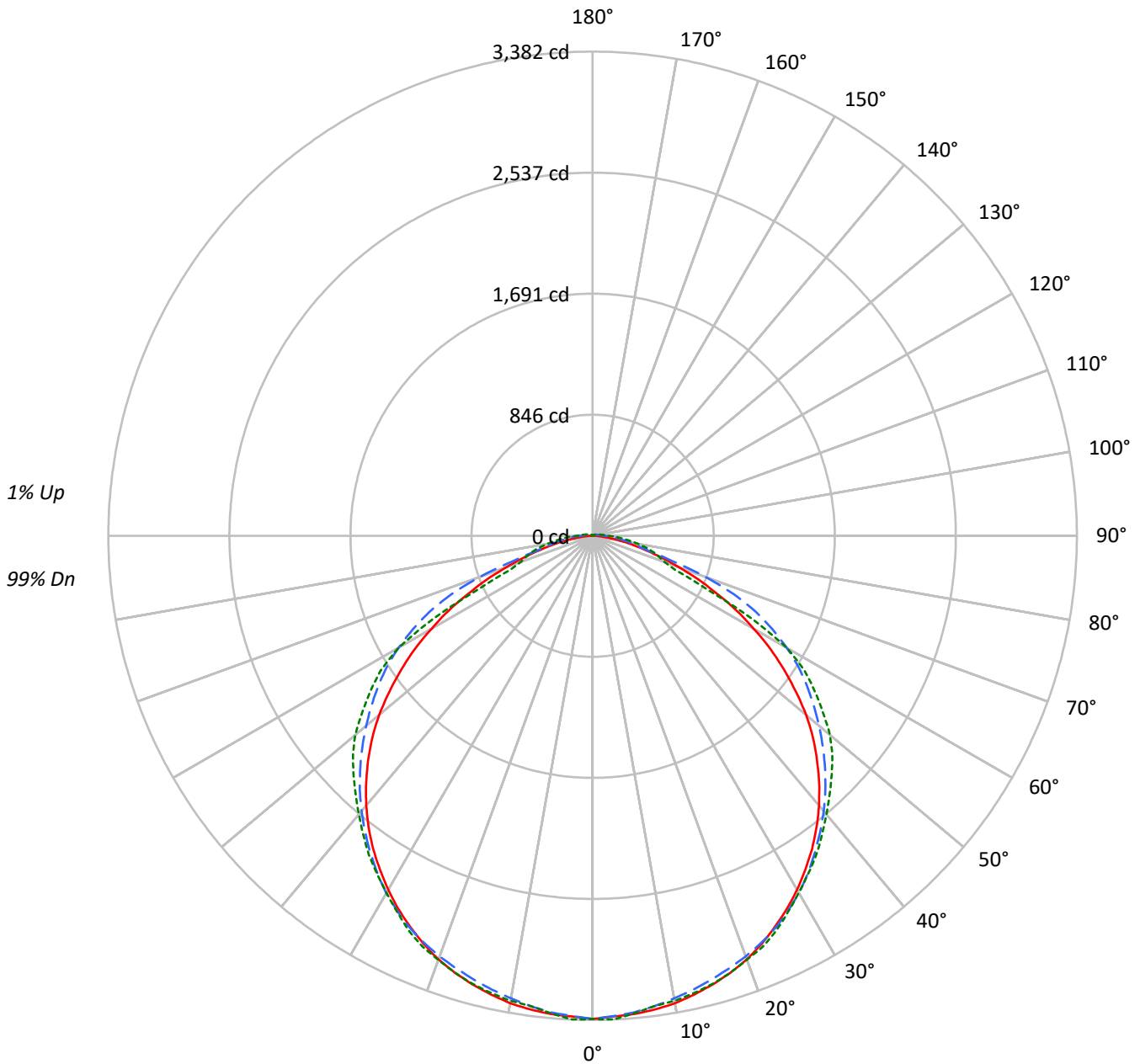
Lumens per Lamp: N/A
Luminaire Lumens: 9539.0 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11274	11274	11274
5°	11159	11076	11126
10°	11078	10876	10996
15°	10966	10718	10915
20°	10854	10606	10811
25°	10679	10493	10708
30°	10491	10333	10497
35°	10273	10099	10378
40°	10001	9857	10217
45°	9642	9580	10139
50°	9171	9268	10047
55°	8459	8954	9659
60°	7548	8514	8915
65°	6387	7748	5638
70°	5048	5971	4075
75°	3678	3480	4118
80°	2441	2810	3906
85°	1253	2442	3612



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.2	3.3
10°-20°	912.5	9.6
20°-30°	1393.7	14.6
30°-40°	1691.0	17.7
40°-50°	1772.4	18.6
50°-60°	1606.0	16.8
60°-70°	1076.8	11.3
70°-80°	483.5	5.1
80°-90°	175.5	1.8
90°-100°	52.8	0.6
100°-110°	24.9	0.3
110°-120°	12.5	0.1
120°-130°	6.9	0.1
130°-140°	4.7	0.0
140°-150°	3.2	0.0
150°-160°	2.4	0.0
160°-170°	1.5	0.0
170°-180°	0.5	0.0
0°-30°	2624.4	27.5
0°-40°	4315.4	45.2
0°-60°	7693.8	80.7
0°-90°	9429.6	98.9
90°-120°	90.2	0.9
90°-150°	105.1	1.1
90°-180°	109.0	1.1
0°-180°	9539.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3375	3375	3375	3375	3375	
5°	3353	3365	3341	3352	3347	319
15°	3244	3231	3208	3237	3241	916
25°	3014	3001	3022	3049	3041	1389
35°	2671	2678	2705	2734	2723	1670
45°	2217	2253	2295	2354	2361	1708
55°	1631	1710	1826	1900	1895	1456
65°	957	1107	1257	1061	866	954
75°	377	546	402	411	438	412
85°	65	124	160	193	202	79
90°	0	42	82	104	108	4
95°	0	26	57	69	71	1
105°	2	11	28	34	35	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	2
175°	5	5	5	4	4	1
180°	5	5	5	5	5	



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CATALOG NUMBER: OHB-12HE-A-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3374.9	3374.9	3374.9	3374.9	3374.9
2.5°	3361.2	3375.4	3357.8	3376.9	3381.7
5°	3352.9	3364.7	3341.2	3351.5	3347.1
7.5°	3337.8	3341.7	3313.9	3322.2	3313.4
10°	3315.4	3313.4	3280.7	3296.8	3298.8
12.5°	3282.2	3276.3	3247.1	3271.5	3271.9
15°	3244.1	3231.4	3208.5	3236.8	3240.7
17.5°	3200.2	3183.6	3168.5	3205.1	3199.2
20°	3149.0	3129.4	3126.5	3166.5	3151.9
22.5°	3085.5	3070.4	3077.2	3115.3	3106.0
25°	3013.8	3000.6	3021.6	3049.4	3040.6
27.5°	2938.2	2930.4	2954.3	2975.7	2958.7
30°	2855.2	2850.8	2882.5	2900.1	2878.6
32.5°	2764.9	2766.4	2796.6	2820.6	2800.5
35°	2671.2	2677.6	2704.9	2733.7	2723.0
37.5°	2568.3	2582.4	2609.7	2642.4	2631.2
40°	2459.4	2479.9	2510.2	2549.7	2539.5
42.5°	2341.8	2367.7	2406.7	2450.7	2449.7
45°	2216.9	2253.0	2295.0	2353.6	2360.9
47.5°	2087.1	2127.6	2180.8	2258.9	2270.1
50°	1946.1	1996.8	2063.2	2156.9	2163.7
52.5°	1789.0	1858.2	1946.1	2035.9	2027.6
55°	1631.3	1709.9	1826.5	1899.7	1895.3
57.5°	1474.2	1562.5	1704.0	1756.3	1755.8
60°	1298.5	1410.3	1565.0	1604.5	1565.5
62.5°	1136.0	1256.1	1416.6	1387.8	1254.1
65°	957.4	1107.2	1257.1	1060.9	866.2
67.5°	798.8	955.0	1067.7	726.6	622.2
70°	639.3	811.5	832.5	539.2	531.9
72.5°	497.7	681.2	574.4	461.6	485.1
75°	376.7	546.5	402.1	411.4	438.2
77.5°	274.7	419.7	312.8	360.6	382.6
80°	188.9	297.2	255.2	303.0	318.2
82.5°	118.6	196.2	204.5	244.0	259.6
85°	64.9	124.4	159.6	192.8	202.0
87.5°	26.8	75.1	122.0	148.8	156.6
90°	0.5	41.5	82.5	103.5	108.3
92.5°	0.5	31.7	67.3	83.4	86.9
95°	0.5	25.9	56.6	68.8	70.8
97.5°	1.0	20.5	47.3	57.1	59.0
100°	1.5	17.1	39.5	47.8	49.3
102.5°	2.0	13.7	33.2	40.0	41.5
105°	2.0	11.2	27.8	33.7	35.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	6.8	16.6	21.0	22.0
115°	3.9	5.9	14.2	18.1	19.0
117.5°	3.9	4.9	12.2	15.1	16.1
120°	3.9	4.4	10.7	13.2	13.7
122.5°	3.9	3.9	9.3	11.7	12.2
125°	3.4	3.9	8.8	10.2	10.7
127.5°	3.9	3.9	7.8	9.3	9.8
130°	3.9	4.4	6.8	8.8	8.8
132.5°	4.4	4.9	6.3	8.3	8.3
135°	4.4	4.9	5.4	7.8	8.3
137.5°	4.9	4.9	4.9	7.3	7.8
140°	4.9	4.9	4.4	6.3	6.8
142.5°	4.4	4.9	4.4	5.9	6.3
145°	4.4	4.9	4.9	5.4	5.9
147.5°	4.9	4.9	4.9	4.9	5.4
150°	4.9	4.9	4.9	4.9	4.9
152.5°	4.9	4.9	4.9	4.9	4.9
155°	4.9	5.4	5.4	5.4	4.9
157.5°	4.9	5.4	5.4	5.4	5.4
160°	4.9	5.4	5.4	5.4	5.4
162.5°	5.4	5.4	5.4	5.4	5.4
165°	5.4	5.4	5.4	5.4	5.4
167.5°	5.4	5.9	5.4	5.4	5.4
170°	5.4	5.4	5.4	4.9	4.9
172.5°	5.4	5.4	5.4	4.9	4.9
175°	5.4	5.4	4.9	4.4	4.4
177.5°	5.9	5.4	4.9	4.4	3.9
180°	4.9	4.9	4.9	4.9	4.9



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	2.4	9.3	23.9	28.8	29.8
110°	2.9	7.8	20.0	24.4	25.4



(END OF REPORT)