

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: P837091

Luminaire Tested: **OHBL-30SE-A-UNV-L730-CD**

Issue Date: 5/16/2024



Test Information

Test Method: LM-79-08
Report Number: P837091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30SE-A-UNV-L730-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

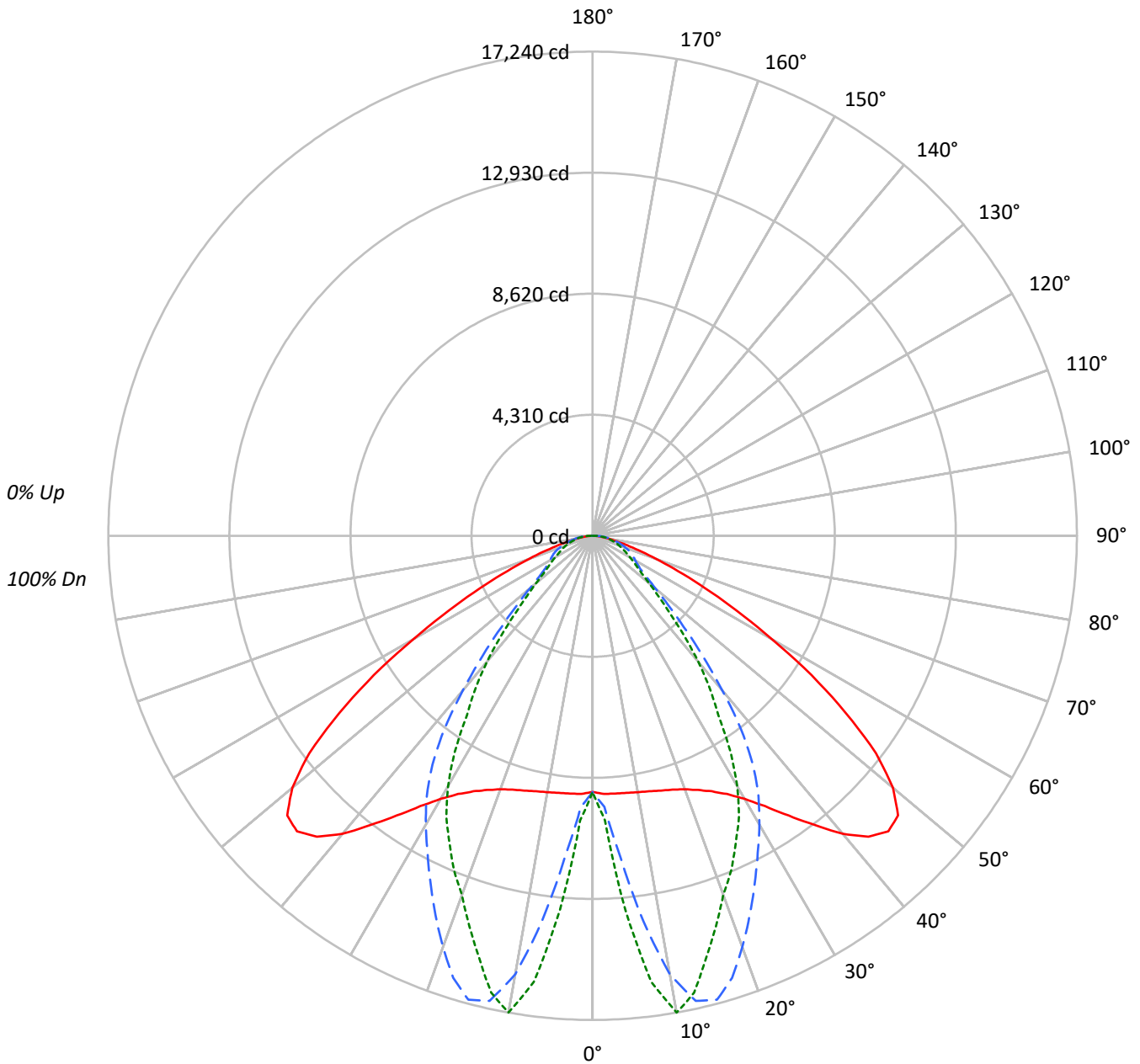
Lumens per Lamp: N/A
Luminaire Lumens: 29275.0 lumens
Efficiency: N/A
Efficacy: 168.2 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 174
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	111	111	111	106	106	106	102	102	102	100																			
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88																			
2	102	95	90	85	100	94	88	84	90	86	82	87	83	80	84	81	78	76																			
3	95	86	79	73	92	84	78	72	81	76	71	79	74	70	76	72	69	67																			
4	88	77	70	64	86	76	69	63	74	68	63	72	66	62	69	65	61	59																			
5	82	70	62	56	80	69	62	56	67	61	56	65	60	55	64	59	55	53																			
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47																			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42																			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	39																			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35																			
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15582	15582	15582
5°	15738	19598	22730
10°	15955	27019	29381
15°	16417	29433	26833
20°	17183	27310	23858
25°	18537	24561	21705
30°	20789	22115	19190
35°	24594	19356	15196
40°	29779	14741	12009
45°	34430	10043	8480
50°	35229	6889	6214
55°	30833	5421	5021
60°	23350	5073	4456
65°	16292	5089	4146
70°	10675	4909	3919
75°	6657	4543	3615
80°	4165	3992	3508
85°	2279	3428	2862



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1191.0	4.1
10°-20°	4203.6	14.4
20°-30°	6194.3	21.2
30°-40°	6509.2	22.2
40°-50°	4980.7	17.0
50°-60°	3007.6	10.3
60°-70°	1835.3	6.3
70°-80°	1001.7	3.4
80°-90°	351.6	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	11588.9	39.6
0°-40°	18098.1	61.8
0°-60°	26086.3	89.1
0°-90°	29275.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29275.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9123	9123	9123	9123	9123	
5°	9214	9886	11532	12877	13374	881
15°	9394	14631	17100	15957	15582	2671
25°	10038	16981	13652	12360	12055	4692
35°	12159	13599	9946	8283	7798	7714
45°	14883	7760	4581	4031	3862	11245
55°	11006	2631	2086	1933	1927	9726
65°	4412	1666	1534	1313	1246	4521
75°	1175	1036	950	784	752	1352
85°	175	321	379	345	313	225
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9122.9	9122.9	9122.9	9122.9	9122.9
2.5°	9197.6	9291.5	9661.6	10045.7	10139.2
5°	9214.4	9885.7	11532.3	12876.9	13373.7
7.5°	9234.0	10848.5	13850.2	15496.4	16023.3
10°	9271.2	12065.9	15858.6	17040.5	17239.6
12.5°	9317.3	13355.7	16963.8	16920.8	16669.6
15°	9394.0	14631.4	17099.9	15956.8	15581.7
17.5°	9474.6	15710.8	16506.1	14907.6	14581.0
20°	9605.6	16512.0	15582.5	13975.0	13603.7
22.5°	9794.6	16952.4	14613.8	13131.6	12889.4
25°	10038.3	16981.0	13651.9	12359.7	12054.6
27.5°	10365.0	16587.1	12729.8	11603.5	11281.2
30°	10809.4	15832.8	11873.1	10691.6	10291.8
32.5°	11413.0	14747.2	10989.7	9590.8	9142.4
35°	12159.4	13598.7	9945.6	8282.6	7798.3
37.5°	12973.9	12323.3	8678.5	7124.2	6842.2
40°	13850.2	11009.3	7176.6	6040.2	5838.3
42.5°	14534.0	9580.6	5781.6	5019.5	4804.8
45°	14882.6	7759.5	4581.4	4031.4	3862.0
47.5°	14746.8	6023.4	3631.9	3203.2	3152.3
50°	13954.7	4447.6	2907.4	2638.7	2617.5
52.5°	12716.1	3315.1	2401.6	2235.3	2199.0
55°	11006.1	2631.2	2085.5	1932.9	1927.1
57.5°	9240.6	2235.3	1893.0	1774.9	1733.8
60°	7357.4	1993.2	1747.1	1613.7	1530.4
62.5°	5767.1	1823.8	1639.9	1458.8	1381.0
65°	4412.4	1665.7	1534.3	1312.9	1246.0
67.5°	3289.2	1515.1	1405.2	1159.5	1120.4
70°	2396.5	1360.6	1258.1	1031.2	1000.3
72.5°	1708.0	1206.5	1111.0	910.7	876.7
75°	1174.8	1035.9	950.2	784.0	752.3
77.5°	792.6	861.8	791.8	669.4	656.0
80°	529.3	683.4	640.4	567.2	559.0
82.5°	321.2	496.0	505.4	461.2	438.9
85°	174.9	321.2	378.7	345.0	313.0
87.5°	68.5	178.0	260.9	234.3	220.6
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







(END OF REPORT)