

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: P830271

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

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30SE-N-UNV-L730-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

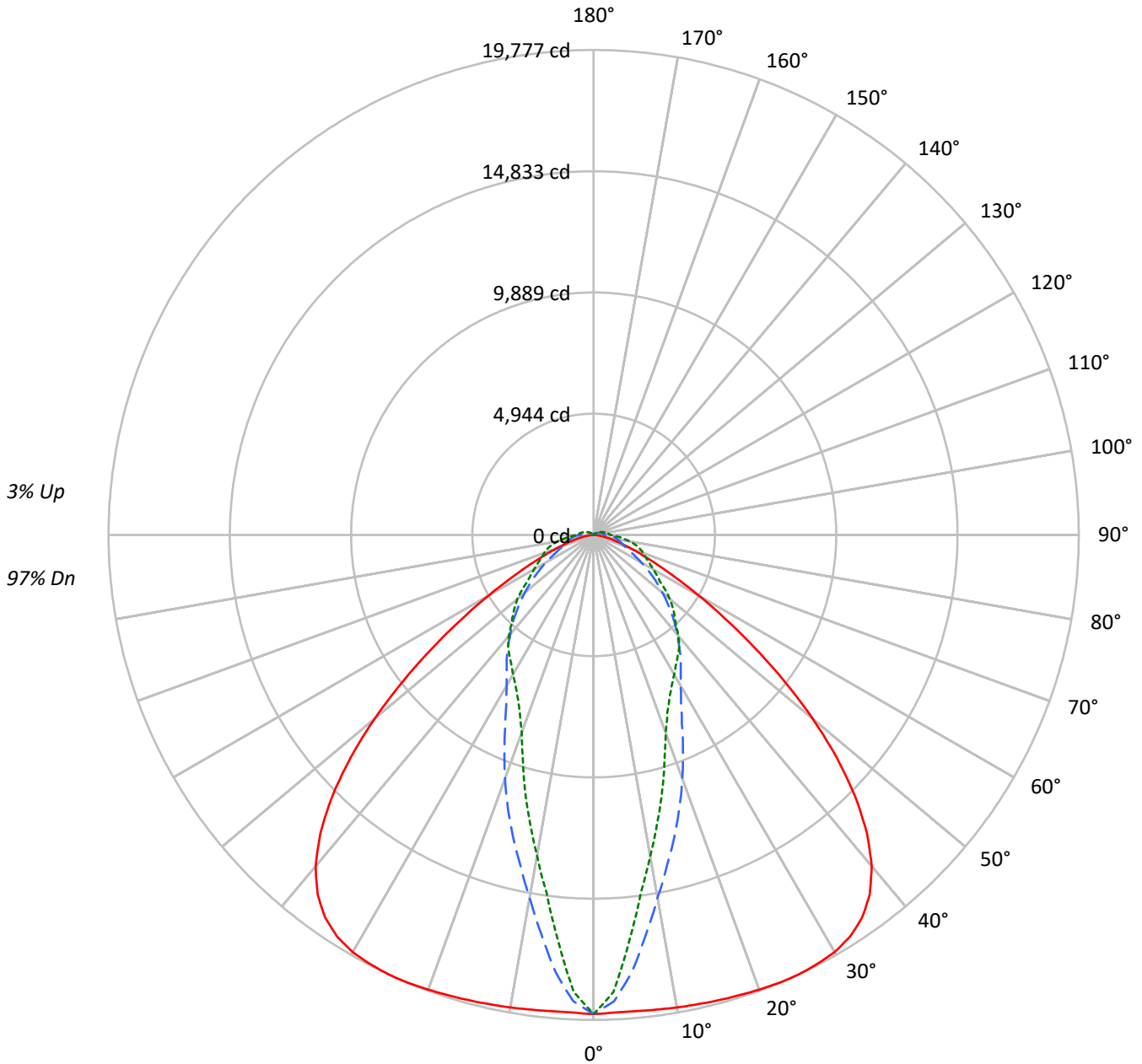
Lumens per Lamp: N/A
Luminaire Lumens: 28835.0 lumens
Efficiency: N/A
Efficacy: 165.7 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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				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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	85	82
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	73	71
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	64	62
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	56	54
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	50	48
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	45	43
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	41	39
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	37	35
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	34	32
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33370	33370	33370
5°	33301	30389	28254
10°	33677	25597	22655
15°	34335	21892	18595
20°	35299	18510	15040
25°	36520	15321	13178
30°	37783	13199	12242
35°	38569	12029	11664
40°	37909	10866	11065
45°	34875	9819	10244
50°	29423	8675	9615
55°	22357	7599	8556
60°	15668	6517	8191
65°	10539	5612	8019
70°	7198	5267	8413
75°	4995	5432	8989
80°	3439	6016	9254
85°	2011	7525	9708



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1644.6	5.7
10°-20°	3868.9	13.4
20°-30°	4849.6	16.8
30°-40°	5146.0	17.8
40°-50°	4652.8	16.1
50°-60°	3373.6	11.7
60°-70°	2117.1	7.3
70°-80°	1401.0	4.9
80°-90°	807.1	2.8
90°-100°	391.0	1.4
100°-110°	269.9	0.9
110°-120°	166.5	0.6
120°-130°	80.7	0.3
130°-140°	37.1	0.1
140°-150°	20.3	0.1
150°-160°	8.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	10363.1	35.9
0°-40°	15509.1	53.8
0°-60°	23535.5	81.6
0°-90°	27860.7	96.6
90°-120°	827.5	2.9
90°-150°	965.5	3.3
90°-180°	974.0	3.4
0°-180°	28835.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19537	19537	19537	19537	19537	
5°	19498	18998	17882	17053	16624	###
15°	19647	16014	12719	11311	10798	5572
25°	19777	12382	8516	7559	7319	9137
35°	19069	8232	6181	5987	5986	11854
45°	15075	5214	4479	4587	4665	11484
55°	7981	3232	2923	3170	3284	7211
65°	2854	1874	1692	2168	2410	2970
75°	881	1010	1136	1765	1871	983
85°	154	418	831	1157	1062	185
90°	0	175	482	679	684	10
95°	7	123	424	576	602	7
105°	15	82	309	409	420	15
115°	20	58	208	260	266	20
125°	22	30	106	134	132	19
135°	19	22	46	72	72	15
145°	22	24	28	43	41	13
155°	22	28	30	32	28	7
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CATALOG NUMBER: OHBL-30SE-N-UNV-L730-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19537.3	19537.3	19537.3	19537.3	19537.3
2.5°	19496.3	19384.8	19037.1	18825.1	18646.6
5°	19498.2	18998.0	17882.3	17053.0	16623.5
7.5°	19526.1	18414.1	16404.1	15193.6	14721.3
10°	19568.9	17690.8	15024.4	13733.9	13293.2
12.5°	19600.5	16876.4	13810.1	12484.4	12000.9
15°	19647.0	16013.6	12718.6	11311.0	10797.8
17.5°	19689.7	15201.0	11640.2	10169.3	9598.5
20°	19732.5	14325.2	10561.7	9046.2	8575.8
22.5°	19773.4	13401.1	9509.2	8174.1	7852.5
25°	19777.1	12382.1	8516.3	7558.7	7318.8
27.5°	19728.8	11325.9	7711.1	7043.6	6894.8
30°	19645.1	10301.4	7086.4	6671.7	6565.7
32.5°	19436.8	9256.3	6602.9	6312.8	6251.5
35°	19068.7	8231.8	6180.8	5987.4	5985.6
37.5°	18488.5	7322.5	5723.4	5689.9	5730.8
40°	17631.3	6526.7	5290.1	5379.4	5379.4
42.5°	16487.8	5835.0	4897.8	4988.9	4964.7
45°	15074.6	5213.9	4479.4	4587.3	4665.4
47.5°	13436.4	4667.2	4051.7	4260.0	4367.9
50°	11655.0	4146.6	3661.3	3927.2	4049.9
52.5°	9788.1	3665.0	3280.1	3585.0	3683.6
55°	7980.8	3231.7	2923.1	3170.4	3283.8
57.5°	6344.4	2818.9	2573.5	2807.8	3042.1
60°	4936.8	2463.8	2244.4	2579.1	2813.3
62.5°	3771.0	2147.7	1935.7	2365.2	2599.5
65°	2854.3	1874.3	1692.1	2168.1	2409.8
67.5°	2151.4	1638.2	1502.4	2024.9	2261.1
70°	1615.9	1409.5	1350.0	1935.7	2147.7
72.5°	1193.8	1199.3	1229.1	1857.6	2019.4
75°	881.4	1009.7	1136.1	1764.6	1870.6
77.5°	630.4	836.8	1052.4	1653.1	1690.2
80°	437.0	682.4	965.1	1506.2	1474.5
82.5°	273.3	546.7	887.0	1344.4	1257.0
85°	154.3	418.4	831.2	1156.6	1061.7
87.5°	68.8	312.4	727.0	901.8	842.3
90°	0.0	174.8	481.6	678.7	684.3
92.5°	3.7	145.0	444.4	621.1	639.7
95°	7.4	122.7	424.0	576.4	602.5
97.5°	9.3	107.8	397.9	535.5	557.8
100°	11.2	96.7	366.3	492.8	511.3
102.5°	13.0	89.3	336.6	448.1	463.0
105°	14.9	81.8	308.7	409.1	420.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	18.6	63.2	232.4	293.8	303.1
115°	20.5	57.6	208.3	260.3	265.9
117.5°	22.3	50.2	182.2	228.7	230.6
120°	22.3	44.6	156.2	195.2	195.2
122.5°	22.3	37.2	130.2	161.8	159.9
125°	22.3	29.8	106.0	133.9	132.0
127.5°	20.5	24.2	85.5	111.6	109.7
130°	20.5	24.2	68.8	94.8	94.8
132.5°	18.6	22.3	55.8	81.8	81.8
135°	18.6	22.3	46.5	72.5	72.5
137.5°	18.6	24.2	39.0	63.2	63.2
140°	18.6	22.3	33.5	55.8	55.8
142.5°	20.5	22.3	29.8	48.3	48.3
145°	22.3	24.2	27.9	42.8	40.9
147.5°	22.3	26.0	27.9	37.2	35.3
150°	22.3	27.9	27.9	33.5	31.6
152.5°	22.3	27.9	27.9	31.6	29.8
155°	22.3	27.9	29.8	31.6	27.9
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°	14.9	76.2	282.6	366.3	379.3
110°	16.7	68.8	258.5	327.3	340.3



(END OF REPORT)