

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: P830263

Luminaire Tested: **OHBL-30SE-MFL-UNV-L830-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830263
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30SE-MFL-UNV-L830-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

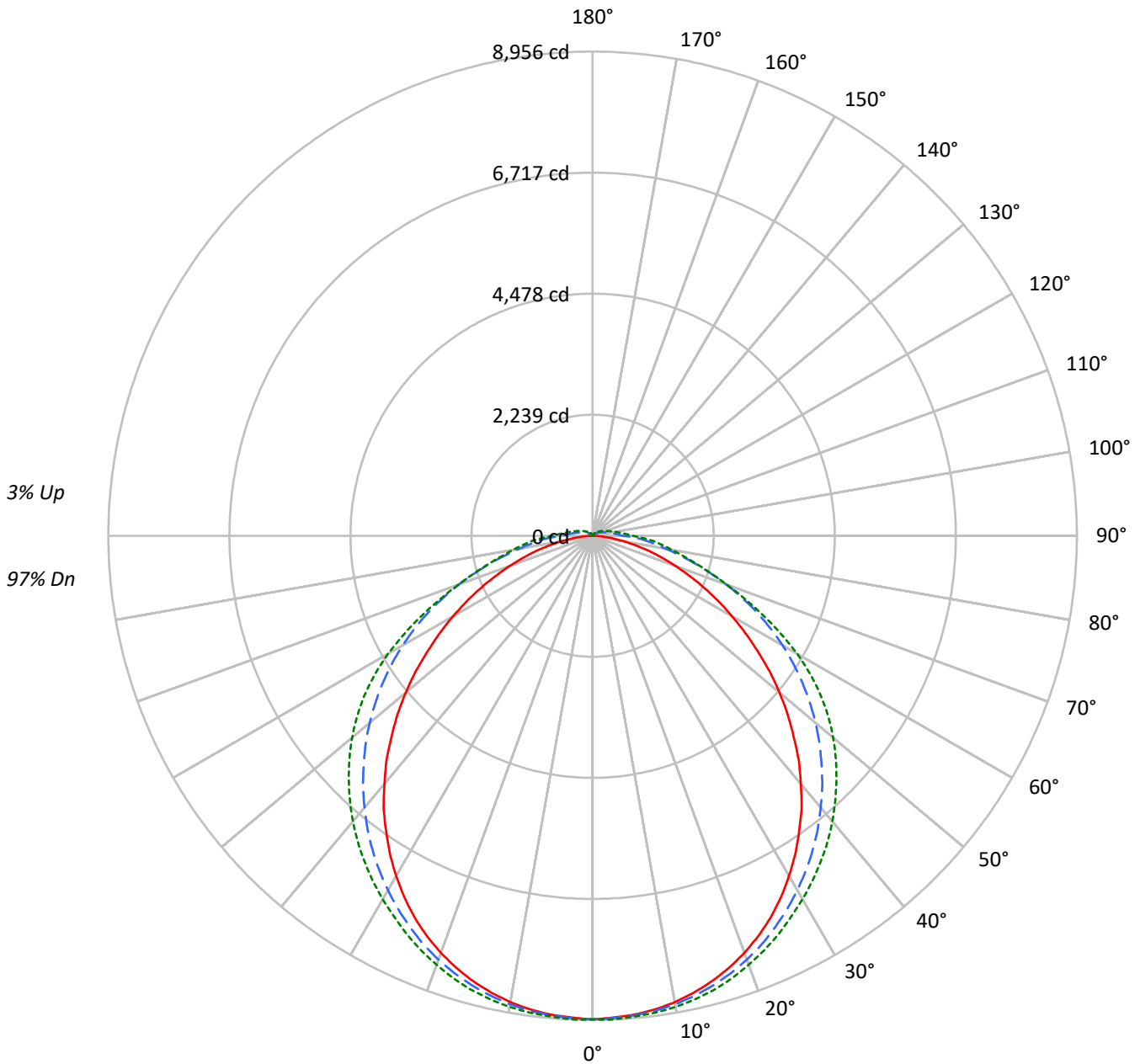
Lumens per Lamp: N/A
Luminaire Lumens: 26776.0 lumens
Efficiency: N/A
Efficacy: 153.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	82	80
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	34	32
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15281	15281	15281
5°	15183	15129	15173
10°	15077	14989	15084
15°	14908	14823	14970
20°	14685	14621	14807
25°	14386	14370	14643
30°	13973	14099	14477
35°	13472	13811	14332
40°	12871	13479	14187
45°	12162	13118	14006
50°	11387	12752	13786
55°	10434	12306	13424
60°	9457	11780	12719
65°	8392	11111	11571
70°	7237	10260	10327
75°	6067	9275	9470
80°	4600	8544	9330
85°	2910	8801	10291



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	847.7	3.2
10°-20°	2432.1	9.1
20°-30°	3678.1	13.7
30°-40°	4415.6	16.5
40°-50°	4560.6	17.0
50°-60°	4103.1	15.3
60°-70°	3090.8	11.5
70°-80°	1866.3	7.0
80°-90°	912.8	3.4
90°-100°	384.2	1.4
100°-110°	219.3	0.8
110°-120°	128.7	0.5
120°-130°	72.8	0.3
130°-140°	38.3	0.1
140°-150°	18.6	0.1
150°-160°	6.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6957.9	26.0
0°-40°	11373.5	42.5
0°-60°	20037.1	74.8
0°-90°	25907.0	96.8
90°-120°	732.3	2.7
90°-150°	862.1	3.2
90°-180°	869.0	3.2
0°-180°	26776.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8947	8947	8947	8947	8947	
5°	8890	8914	8903	8938	8927	845
15°	8531	8572	8612	8684	8693	2405
25°	7791	7876	7988	8112	8132	3583
35°	6661	6816	7096	7311	7355	4164
45°	5257	5522	5984	6310	6378	4059
55°	3724	4110	4734	5091	5152	3339
65°	2273	2737	3350	3516	3477	2258
75°	1071	1537	1940	1990	1971	1142
85°	223	589	972	1106	1126	258
90°	0	230	556	701	729	14
95°	11	156	416	530	550	9
105°	15	90	241	315	328	15
115°	18	50	149	199	208	18
125°	18	24	90	129	136	16
135°	15	20	46	79	88	12
145°	22	20	22	39	46	13
155°	22	24	22	20	22	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-MFL-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8946.7	8946.7	8946.7	8946.7	8946.7
2.5°	8920.4	8942.3	8929.2	8957.7	8955.5
5°	8889.8	8913.9	8902.9	8938.0	8927.0
7.5°	8837.2	8863.5	8861.3	8900.7	8896.4
10°	8760.6	8789.1	8797.8	8850.4	8850.4
12.5°	8655.5	8692.7	8714.6	8778.1	8780.3
15°	8530.7	8572.3	8611.7	8684.0	8692.7
17.5°	8379.6	8432.2	8486.9	8570.1	8581.1
20°	8208.8	8267.9	8342.4	8430.0	8443.1
22.5°	8011.8	8081.8	8178.2	8281.1	8296.4
25°	7790.6	7876.0	7987.7	8112.5	8132.2
27.5°	7538.8	7637.3	7788.4	7928.5	7946.1
30°	7265.1	7381.1	7569.5	7735.9	7764.3
32.5°	6976.1	7109.6	7341.7	7527.9	7567.3
35°	6660.8	6816.2	7096.5	7311.1	7354.9
37.5°	6349.8	6520.6	6838.1	7083.4	7135.9
40°	5986.4	6198.8	6562.2	6833.7	6897.2
42.5°	5644.8	5874.7	6286.3	6581.9	6643.3
45°	5257.2	5522.2	5984.2	6310.4	6378.3
47.5°	4893.8	5180.6	5693.0	6030.2	6100.2
50°	4510.6	4825.9	5382.0	5734.6	5806.8
52.5°	4127.4	4466.8	5060.2	5425.8	5493.7
55°	3724.5	4109.9	4733.9	5090.8	5152.1
57.5°	3350.1	3757.4	4398.9	4738.3	4775.5
60°	2980.0	3402.6	4057.3	4355.1	4368.3
62.5°	2618.8	3063.3	3707.0	3943.5	3926.0
65°	2272.8	2737.0	3350.1	3516.5	3477.1
67.5°	1940.0	2419.5	2984.4	3091.7	3039.2
70°	1624.7	2110.8	2629.7	2684.5	2636.3
72.5°	1346.6	1817.4	2270.6	2316.6	2281.6
75°	1070.7	1537.1	1940.0	1990.3	1970.6
77.5°	812.3	1265.6	1635.6	1701.3	1705.7
80°	584.6	1018.2	1370.7	1473.6	1486.7
82.5°	385.4	790.4	1149.5	1280.9	1300.6
85°	223.3	589.0	972.2	1105.7	1125.5
87.5°	96.3	424.8	781.7	902.1	926.2
90°	0.0	229.9	556.2	700.7	729.1
92.5°	6.6	190.5	477.3	608.7	632.8
95°	10.9	155.5	416.0	529.9	549.6
97.5°	13.1	131.4	361.3	462.0	481.7
100°	13.1	113.9	313.1	405.1	422.6
102.5°	13.1	100.7	273.7	354.7	370.0
105°	15.3	89.8	240.9	315.3	328.4



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CATALOG NUMBER: OHBL-30SE-MFL-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	17.5	59.1	166.4	223.3	232.1
115°	17.5	50.4	148.9	199.3	208.0
117.5°	19.7	43.8	131.4	179.5	186.1
120°	19.7	37.2	116.0	159.8	168.6
122.5°	19.7	30.7	102.9	144.5	151.1
125°	17.5	24.1	89.8	129.2	135.8
127.5°	15.3	19.7	76.6	116.0	122.6
130°	15.3	17.5	65.7	102.9	109.5
132.5°	15.3	19.7	54.7	89.8	98.5
135°	15.3	19.7	46.0	78.8	87.6
137.5°	15.3	19.7	37.2	67.9	76.6
140°	17.5	19.7	30.7	56.9	65.7
142.5°	19.7	19.7	24.1	48.2	54.7
145°	21.9	19.7	21.9	39.4	46.0
147.5°	21.9	21.9	21.9	30.7	37.2
150°	21.9	24.1	21.9	24.1	30.7
152.5°	21.9	24.1	21.9	19.7	24.1
155°	21.9	24.1	21.9	19.7	21.9
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°	15.3	78.8	212.4	280.3	291.2
110°	15.3	70.1	188.3	249.6	260.6



(END OF REPORT)