

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: P830301

Luminaire Tested: **OHBL-30SE-W-UNV-L840-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830301
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: OHBL-30SE-W-UNV-L840-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 4000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

Summary

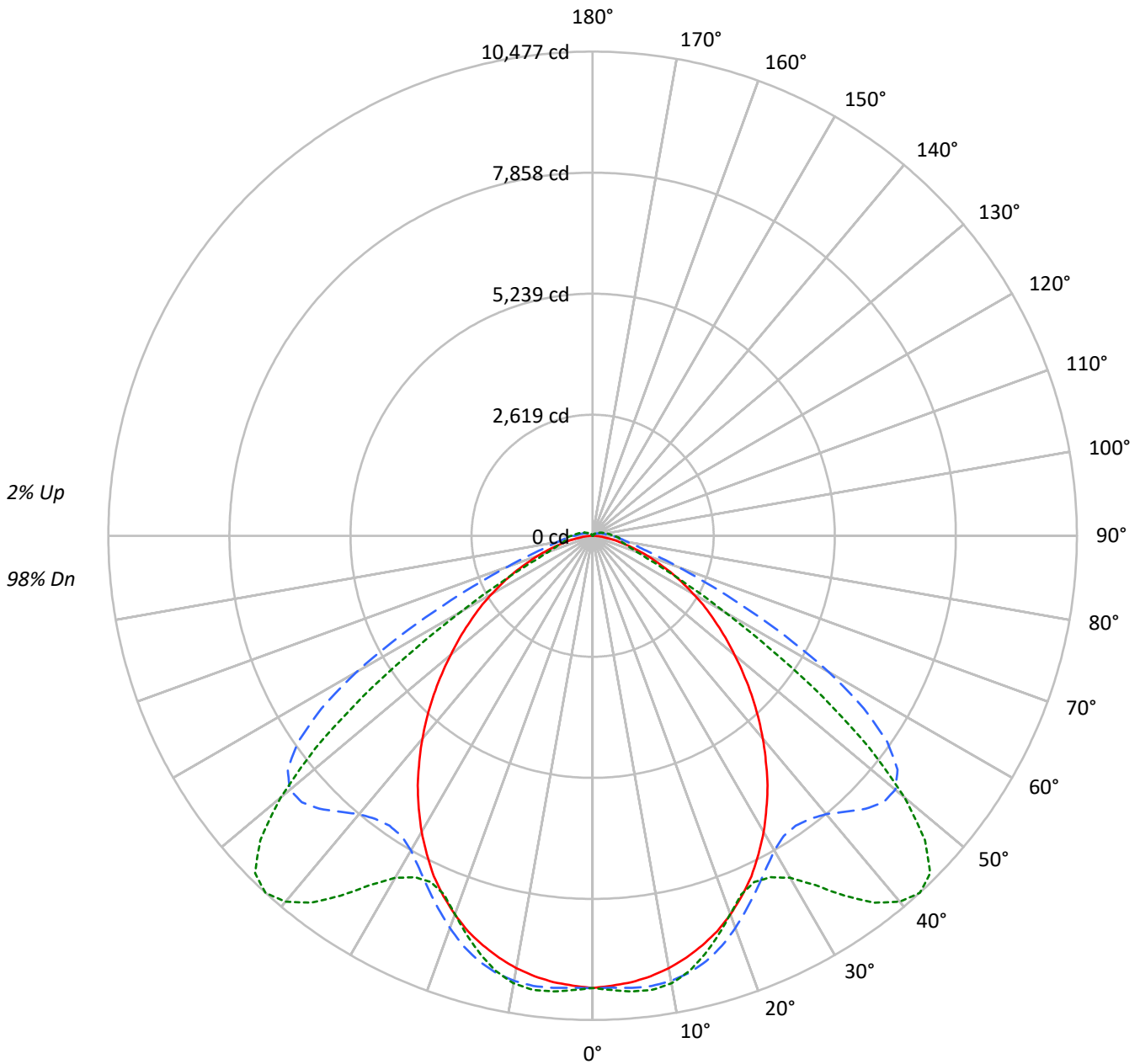
Lumens per Lamp: N/A
Luminaire Lumens: 29302.0 lumens
Efficiency: N/A
Efficacy: 168.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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	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°	16715	16715	16715
5°	16559	16691	16823
10°	16351	16666	16761
15°	16032	16390	16144
20°	15596	15827	15274
25°	15011	15145	14888
30°	14233	14638	15928
35°	13346	14908	18522
40°	12316	16146	21264
45°	11240	18314	22676
50°	10117	20251	20908
55°	9062	20225	15800
60°	7987	17110	9529
65°	6853	11814	5670
70°	5567	7636	3995
75°	4235	5471	3571
80°	3040	4804	3790
85°	2064	5275	5270



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	935.2	3.2
10°-20°	2648.2	9.0
20°-30°	3875.2	13.2
30°-40°	5032.7	17.2
40°-50°	6145.6	21.0
50°-60°	5412.1	18.5
60°-70°	2820.3	9.6
70°-80°	1209.4	4.1
80°-90°	580.8	2.0
90°-100°	272.9	0.9
100°-110°	169.6	0.6
110°-120°	100.3	0.3
120°-130°	54.5	0.2
130°-140°	27.4	0.1
140°-150°	13.2	0.0
150°-160°	4.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7458.6	25.5
0°-40°	12491.3	42.6
0°-60°	24049.0	82.1
0°-90°	28659.6	97.8
90°-120°	542.8	1.9
90°-150°	637.8	2.2
90°-180°	642.0	2.2
0°-180°	29302.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9786	9786	9786	9786	9786	
5°	9696	9769	9822	9909	9898	919
15°	9174	9432	9522	9451	9375	2583
25°	8129	8564	8418	8260	8268	3730
35°	6598	7295	7660	8933	9506	4112
45°	4858	6112	8355	10116	10327	3746
55°	3235	5354	7780	6822	6064	2903
65°	1856	3710	3562	1980	1704	1836
75°	747	1736	1144	783	743	815
85°	158	619	583	570	576	177
90°	2	224	384	439	450	11
95°	4	131	306	359	370	3
105°	8	74	198	239	243	9
115°	13	42	122	150	154	13
125°	15	21	72	93	95	13
135°	13	13	34	57	59	10
145°	17	13	15	27	32	10
155°	17	17	13	13	13	5
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°	9786.3	9786.3	9786.3	9786.3	9786.3
2.5°	9744.1	9786.3	9788.4	9847.6	9841.2
5°	9695.5	9769.4	9822.2	9908.8	9898.2
7.5°	9615.3	9731.4	9824.3	9919.4	9910.9
10°	9501.3	9659.6	9782.1	9860.2	9834.9
12.5°	9353.5	9562.5	9682.9	9699.8	9651.2
15°	9174.0	9431.6	9522.4	9450.6	9374.6
17.5°	8971.3	9273.3	9304.9	9148.7	9053.7
20°	8718.0	9062.1	9030.5	8815.1	8709.5
22.5°	8437.1	8829.9	8728.5	8502.6	8401.3
25°	8128.9	8563.8	8418.1	8259.8	8268.2
27.5°	7767.8	8261.9	8120.4	8192.2	8327.4
30°	7400.5	7945.2	7858.6	8276.7	8542.7
32.5°	6997.2	7620.0	7698.2	8523.7	8958.7
35°	6598.1	7294.9	7660.2	8933.3	9505.5
37.5°	6156.8	6965.5	7721.4	9406.3	10005.9
40°	5728.2	6644.6	7860.7	9830.7	10337.4
42.5°	5291.2	6357.4	8095.1	10081.9	10476.8
45°	4858.3	6112.5	8354.8	10115.7	10326.9
47.5°	4425.5	5905.6	8534.3	9847.6	9750.4
50°	4007.4	5721.9	8546.9	9203.6	8806.6
52.5°	3616.8	5553.0	8314.7	8177.4	7560.9
55°	3234.7	5354.5	7780.5	6821.9	6063.9
57.5°	2886.3	5080.0	6957.1	5365.1	4537.4
60°	2516.8	4708.4	5892.9	3925.1	3272.7
62.5°	2176.9	4246.0	4700.0	2732.1	2352.1
65°	1855.9	3709.7	3561.9	1980.5	1703.9
67.5°	1516.0	3154.4	2628.7	1444.2	1266.8
70°	1249.9	2639.2	1957.3	1123.3	1019.8
72.5°	977.6	2149.4	1463.2	912.1	855.1
75°	747.4	1735.6	1144.4	783.3	743.2
77.5°	551.1	1372.4	920.6	692.5	654.5
80°	386.4	1081.0	770.7	618.6	603.9
82.5°	259.7	836.1	656.6	589.1	591.2
85°	158.4	618.6	582.7	570.1	576.4
87.5°	76.0	439.2	500.4	519.4	525.7
90°	2.1	223.8	384.3	439.2	449.7
92.5°	0.0	171.0	337.8	392.7	403.3
95°	4.2	130.9	306.2	358.9	369.5
97.5°	4.2	107.7	274.5	329.4	335.7
100°	6.3	92.9	244.9	297.7	304.0
102.5°	6.3	82.3	219.6	266.0	270.3
105°	8.4	73.9	198.5	238.6	242.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.7	50.7	139.4	168.9	173.1
115°	12.7	42.2	122.5	149.9	154.1
117.5°	14.8	38.0	107.7	133.0	135.1
120°	14.8	31.7	92.9	118.2	120.3
122.5°	14.8	25.3	82.3	105.6	107.7
125°	14.8	21.1	71.8	92.9	95.0
127.5°	12.7	14.8	61.2	82.3	84.5
130°	12.7	12.7	50.7	71.8	76.0
132.5°	12.7	12.7	42.2	63.3	67.6
135°	12.7	12.7	33.8	57.0	59.1
137.5°	12.7	12.7	27.4	48.6	52.8
140°	12.7	12.7	21.1	42.2	44.3
142.5°	14.8	12.7	19.0	35.9	38.0
145°	16.9	12.7	14.8	27.4	31.7
147.5°	16.9	14.8	14.8	23.2	25.3
150°	16.9	16.9	12.7	16.9	21.1
152.5°	16.9	16.9	12.7	12.7	16.9
155°	16.9	16.9	12.7	12.7	12.7
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°	10.6	65.5	177.4	213.3	217.5
110°	10.6	57.0	156.2	190.0	194.2



(END OF REPORT)