

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: P830731

Luminaire Tested: **OHBL-60SE-W-UNV-L830-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830731
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-60SE-W-UNV-L830-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

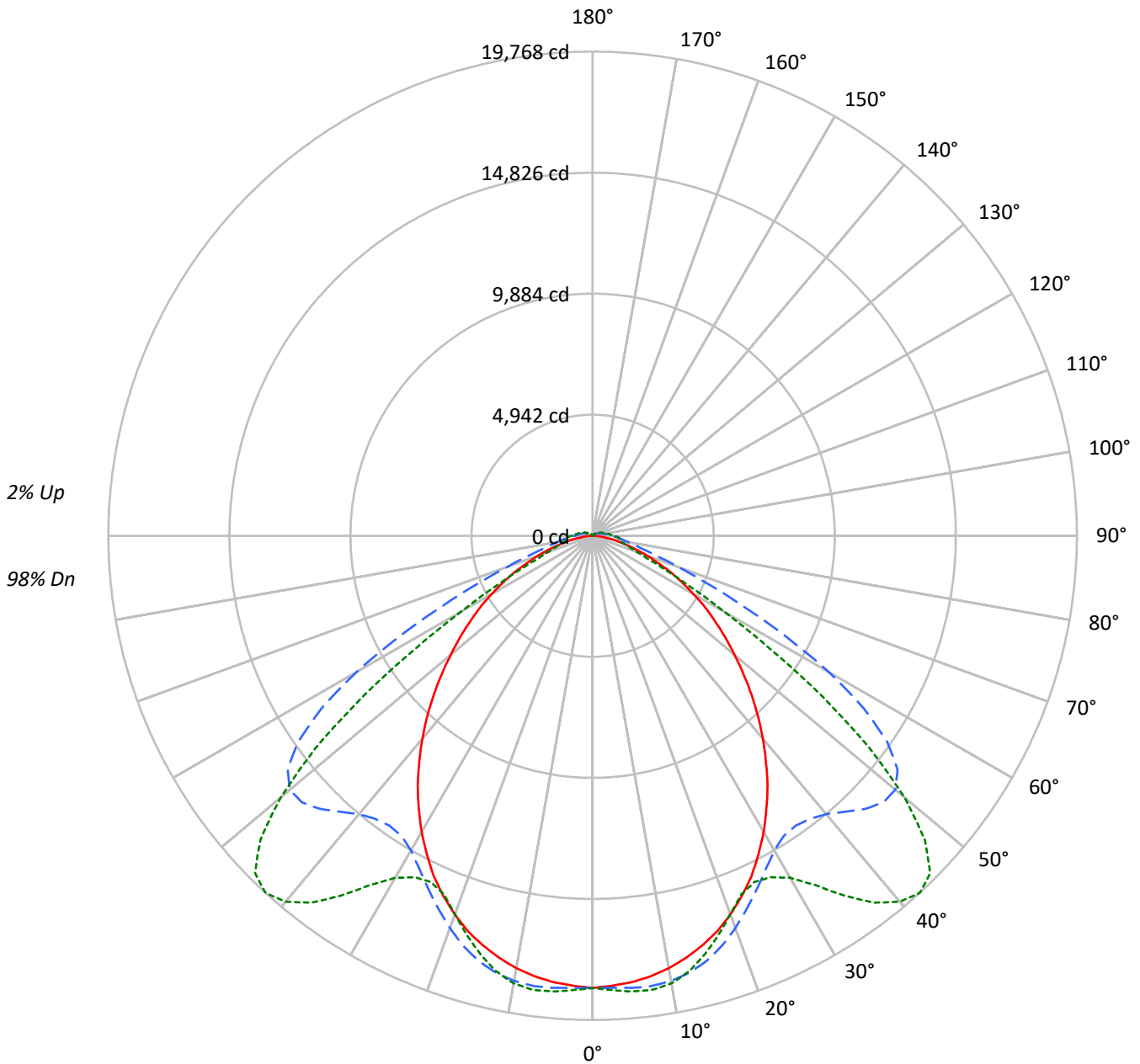
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55287.0 lumens
Efficiency: N/A
Efficacy: 152.7 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): 362
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°	31538	31538	31538
5°	31244	31494	31742
10°	30852	31446	31625
15°	30250	30925	30460
20°	29426	29862	28820
25°	28322	28575	28090
30°	26855	27619	30053
35°	25180	28129	34948
40°	23238	30464	40121
45°	21207	34556	42785
50°	19088	38210	39450
55°	17098	38161	29812
60°	15071	32283	17979
65°	12930	22290	10698
70°	10505	14408	7538
75°	7992	10323	6739
80°	5736	9064	7151
85°	3894	9954	9945



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1764.5	3.2
10°-20°	4996.6	9.0
20°-30°	7311.7	13.2
30°-40°	9495.7	17.2
40°-50°	11595.5	21.0
50°-60°	10211.6	18.5
60°-70°	5321.3	9.6
70°-80°	2282.0	4.1
80°-90°	1095.9	2.0
90°-100°	514.9	0.9
100°-110°	320.0	0.6
110°-120°	189.2	0.3
120°-130°	102.8	0.2
130°-140°	51.6	0.1
140°-150°	24.8	0.0
150°-160°	8.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	14072.8	25.5
0°-40°	23568.6	42.6
0°-60°	45375.7	82.1
0°-90°	54074.9	97.8
90°-120°	1024.1	1.9
90°-150°	1203.4	2.2
90°-180°	1212.0	2.2
0°-180°	55287.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18465	18465	18465	18465	18465	
5°	18294	18433	18533	18696	18676	###
15°	17310	17796	17967	17831	17688	4874
25°	15338	16158	15883	15585	15600	7039
35°	12449	13764	14453	16855	17935	7759
45°	9167	11533	15764	19086	19485	7068
55°	6103	10103	14680	12872	11441	5478
65°	3502	7000	6721	3737	3215	3464
75°	1410	3275	2159	1478	1402	1538
85°	299	1167	1100	1076	1088	333
90°	4	422	725	829	848	21
95°	8	247	578	677	697	6
105°	16	139	374	450	458	17
115°	24	80	231	283	291	25
125°	28	40	135	175	179	24
135°	24	24	64	108	112	19
145°	32	24	28	52	60	19
155°	32	32	24	24	24	10
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-60SE-W-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18464.8	18464.8	18464.8	18464.8	18464.8
2.5°	18385.2	18464.8	18468.8	18580.4	18568.4
5°	18293.5	18433.0	18532.6	18695.9	18676.0
7.5°	18142.2	18361.3	18536.6	18715.8	18699.9
10°	17927.0	18225.8	18456.9	18604.3	18556.5
12.5°	17648.2	18042.6	18269.6	18301.5	18209.9
15°	17309.6	17795.6	17966.9	17831.4	17688.0
17.5°	16927.1	17496.8	17556.5	17261.7	17082.5
20°	16449.1	17098.4	17038.7	16632.3	16433.1
22.5°	15919.2	16660.2	16469.0	16042.7	15851.5
25°	15337.6	16158.2	15883.4	15584.6	15600.5
27.5°	14656.3	15588.6	15321.6	15457.1	15712.1
30°	13963.2	14991.0	14827.7	15616.4	16118.4
32.5°	13202.3	14377.5	14524.9	16082.5	16903.2
35°	12449.3	13764.0	14453.2	16855.4	17935.0
37.5°	11616.7	13142.5	14568.7	17747.8	18879.2
40°	10808.0	12537.0	14831.6	18548.5	19504.6
42.5°	9983.4	11995.2	15273.8	19022.6	19767.5
45°	9166.7	11533.1	15763.8	19086.3	19484.7
47.5°	8350.0	11142.6	16102.5	18580.4	18397.1
50°	7561.2	10796.1	16126.4	17365.3	16616.4
52.5°	6824.2	10477.4	15688.1	15429.2	14265.9
55°	6103.2	10102.9	14680.3	12871.6	11441.4
57.5°	5445.8	9585.0	13126.6	10122.8	8561.2
60°	4748.7	8883.8	11118.7	7405.9	6174.9
62.5°	4107.3	8011.4	8867.9	5155.0	4437.9
65°	3501.7	6999.5	6720.6	3736.8	3214.9
67.5°	2860.4	5951.8	4959.8	2724.9	2390.3
70°	2358.4	4979.7	3693.0	2119.4	1924.2
72.5°	1844.5	4055.5	2760.8	1721.0	1613.4
75°	1410.3	3274.7	2159.2	1478.0	1402.3
77.5°	1039.8	2589.5	1736.9	1306.7	1235.0
80°	729.0	2039.7	1454.1	1167.2	1139.4
82.5°	490.0	1577.6	1239.0	1111.5	1115.5
85°	298.8	1167.2	1099.5	1075.6	1087.6
87.5°	143.4	828.6	944.2	980.0	992.0
90°	4.0	422.3	725.0	828.6	848.5
92.5°	0.0	322.7	637.4	741.0	760.9
95°	8.0	247.0	577.6	677.2	697.2
97.5°	8.0	203.2	517.9	621.5	633.4
100°	12.0	175.3	462.1	561.7	573.7
102.5°	12.0	155.4	414.3	502.0	509.9
105°	15.9	139.4	374.5	450.2	458.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	23.9	95.6	262.9	318.7	326.7
115°	23.9	79.7	231.1	282.8	290.8
117.5°	27.9	71.7	203.2	251.0	255.0
120°	27.9	59.8	175.3	223.1	227.1
122.5°	27.9	47.8	155.4	199.2	203.2
125°	27.9	39.8	135.4	175.3	179.3
127.5°	23.9	27.9	115.5	155.4	159.4
130°	23.9	23.9	95.6	135.4	143.4
132.5°	23.9	23.9	79.7	119.5	127.5
135°	23.9	23.9	63.7	107.6	111.5
137.5°	23.9	23.9	51.8	91.6	99.6
140°	23.9	23.9	39.8	79.7	83.7
142.5°	27.9	23.9	35.9	67.7	71.7
145°	31.9	23.9	27.9	51.8	59.8
147.5°	31.9	27.9	27.9	43.8	47.8
150°	31.9	31.9	23.9	31.9	39.8
152.5°	31.9	31.9	23.9	23.9	31.9
155°	31.9	31.9	23.9	23.9	23.9
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°	19.9	123.5	334.6	402.4	410.3
110°	19.9	107.6	294.8	358.5	366.5



(END OF REPORT)