

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: P830734

Luminaire Tested: **OHBL-60SE-W-UNV-L850-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830734
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-L850-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 5000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

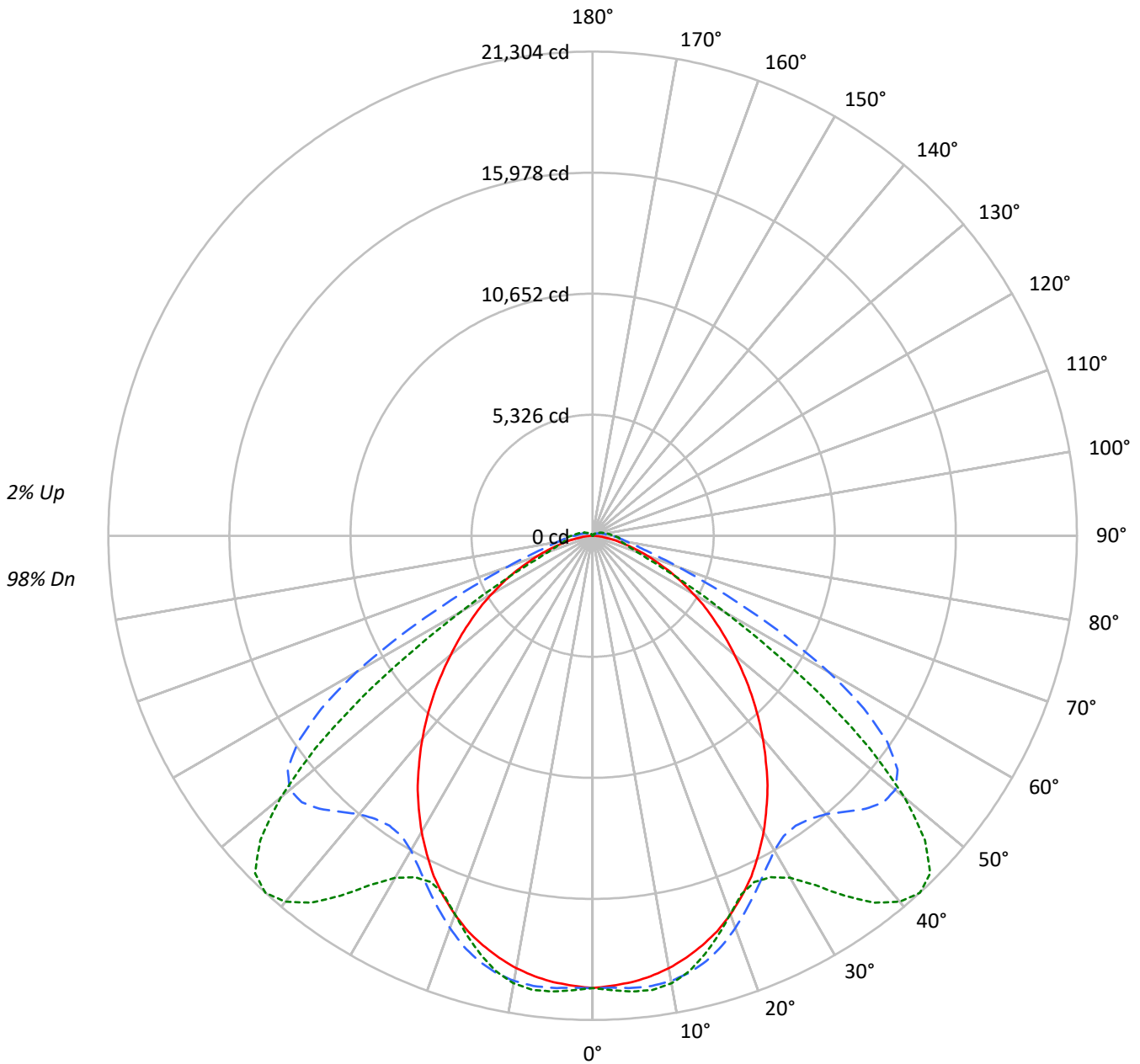
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59585.1 lumens
Efficiency: N/A
Efficacy: 164.6 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°	33990	33990	33990
5°	33673	33942	34210
10°	33250	33890	34084
15°	32602	33329	32828
20°	31713	32183	31060
25°	30524	30797	30274
30°	28943	29766	32390
35°	27138	30316	37665
40°	25045	32832	43240
45°	22855	37242	46111
50°	20572	41181	42517
55°	18427	41128	32129
60°	16242	34793	19376
65°	13935	24023	11530
70°	11321	15529	8124
75°	8613	11126	7262
80°	6182	9769	7706
85°	4196	10728	10717



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1901.7	3.2
10°-20°	5385.0	9.0
20°-30°	7880.1	13.2
30°-40°	10233.9	17.2
40°-50°	12496.9	21.0
50°-60°	11005.5	18.5
60°-70°	5735.0	9.6
70°-80°	2459.4	4.1
80°-90°	1181.1	2.0
90°-100°	554.9	0.9
100°-110°	344.9	0.6
110°-120°	203.9	0.3
120°-130°	110.8	0.2
130°-140°	55.6	0.1
140°-150°	26.8	0.0
150°-160°	9.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	15166.8	25.5
0°-40°	25400.8	42.6
0°-60°	48903.2	82.1
0°-90°	58278.7	97.8
90°-120°	1103.8	1.9
90°-150°	1297.0	2.2
90°-180°	1306.0	2.2
0°-180°	59585.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19900	19900	19900	19900	19900	
5°	19716	19866	19973	20149	20128	###
15°	18655	19179	19364	19218	19063	5253
25°	16530	17414	17118	16796	16813	7586
35°	13417	14834	15577	18166	19329	8363
45°	9879	12430	16989	20570	20999	7618
55°	6578	10888	15822	13872	12331	5903
65°	3774	7544	7243	4027	3465	3734
75°	1520	3529	2327	1593	1511	1657
85°	322	1258	1185	1159	1172	359
90°	4	455	781	893	914	22
95°	9	266	623	730	751	6
105°	17	150	404	485	494	18
115°	26	86	249	305	313	27
125°	30	43	146	189	193	26
135°	26	26	69	116	120	20
145°	34	26	30	56	64	20
155°	34	34	26	26	26	11
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°	19900.3	19900.3	19900.3	19900.3	19900.3
2.5°	19814.4	19900.3	19904.6	20024.8	20011.9
5°	19715.7	19866.0	19973.3	20149.3	20127.9
7.5°	19552.5	19788.7	19977.6	20170.8	20153.6
10°	19320.7	19642.7	19891.7	20050.6	19999.1
12.5°	19020.1	19445.2	19689.9	19724.3	19625.5
15°	18655.2	19179.0	19363.6	19217.6	19063.1
17.5°	18243.0	18857.0	18921.4	18603.7	18410.5
20°	17727.8	18427.6	18363.2	17925.3	17710.6
22.5°	17156.8	17955.4	17749.3	17289.9	17083.8
25°	16529.9	17414.4	17118.1	16796.1	16813.3
27.5°	15795.7	16800.4	16512.7	16658.7	16933.5
30°	15048.7	16156.4	15980.4	16830.5	17371.4
32.5°	14228.6	15495.2	15654.0	17332.8	18217.3
35°	13417.1	14834.0	15576.8	18165.7	19329.3
37.5°	12519.8	14164.2	15701.3	19127.5	20346.8
40°	11648.2	13511.6	15984.6	19990.5	21020.9
42.5°	10759.5	12927.7	16461.2	20501.4	21304.3
45°	9879.3	12429.6	16989.3	20570.1	20999.4
47.5°	8999.1	12008.9	17354.3	20024.8	19827.3
50°	8149.0	11635.3	17380.0	18715.3	17908.1
52.5°	7354.7	11291.9	16907.7	16628.7	15375.0
55°	6577.6	10888.3	15821.5	13872.2	12330.9
57.5°	5869.2	10330.1	14147.0	10909.7	9226.7
60°	5117.8	9574.5	11983.1	7981.6	6654.9
62.5°	4426.6	8634.2	9557.3	5555.8	4782.9
65°	3774.0	7543.7	7243.1	4027.3	3464.8
67.5°	3082.7	6414.5	5345.4	2936.7	2576.1
70°	2541.7	5366.9	3980.1	2284.1	2073.8
72.5°	1987.9	4370.8	2975.4	1854.8	1738.9
75°	1519.9	3529.2	2327.1	1592.9	1511.3
77.5°	1120.6	2790.8	1872.0	1408.3	1331.0
80°	785.7	2198.3	1567.1	1258.0	1227.9
82.5°	528.1	1700.2	1335.3	1197.9	1202.2
85°	322.0	1258.0	1185.0	1159.2	1172.1
87.5°	154.6	893.0	1017.6	1056.2	1069.1
90°	4.3	455.1	781.4	893.0	914.5
92.5°	0.0	347.8	687.0	798.6	820.1
95°	8.6	266.2	622.6	729.9	751.4
97.5°	8.6	219.0	558.2	669.8	682.7
100°	12.9	188.9	498.0	605.4	618.3
102.5°	12.9	167.4	446.5	541.0	549.6
105°	17.2	150.3	403.6	485.2	493.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	25.8	103.0	283.4	343.5	352.1
115°	25.8	85.9	249.0	304.8	313.4
117.5°	30.1	77.3	219.0	270.5	274.8
120°	30.1	64.4	188.9	240.4	244.7
122.5°	30.1	51.5	167.4	214.7	219.0
125°	30.1	42.9	146.0	188.9	193.2
127.5°	25.8	30.1	124.5	167.4	171.7
130°	25.8	25.8	103.0	146.0	154.6
132.5°	25.8	25.8	85.9	128.8	137.4
135°	25.8	25.8	68.7	115.9	120.2
137.5°	25.8	25.8	55.8	98.8	107.3
140°	25.8	25.8	42.9	85.9	90.2
142.5°	30.1	25.8	38.6	73.0	77.3
145°	34.3	25.8	30.1	55.8	64.4
147.5°	34.3	30.1	30.1	47.2	51.5
150°	34.3	34.3	25.8	34.3	42.9
152.5°	34.3	34.3	25.8	25.8	34.3
155°	34.3	34.3	25.8	25.8	25.8
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°	21.5	133.1	360.7	433.6	442.2
110°	21.5	115.9	317.7	386.4	395.0



(END OF REPORT)