

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: P830732

Luminaire Tested: **OHBL-60SE-W-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830732
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-L835-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

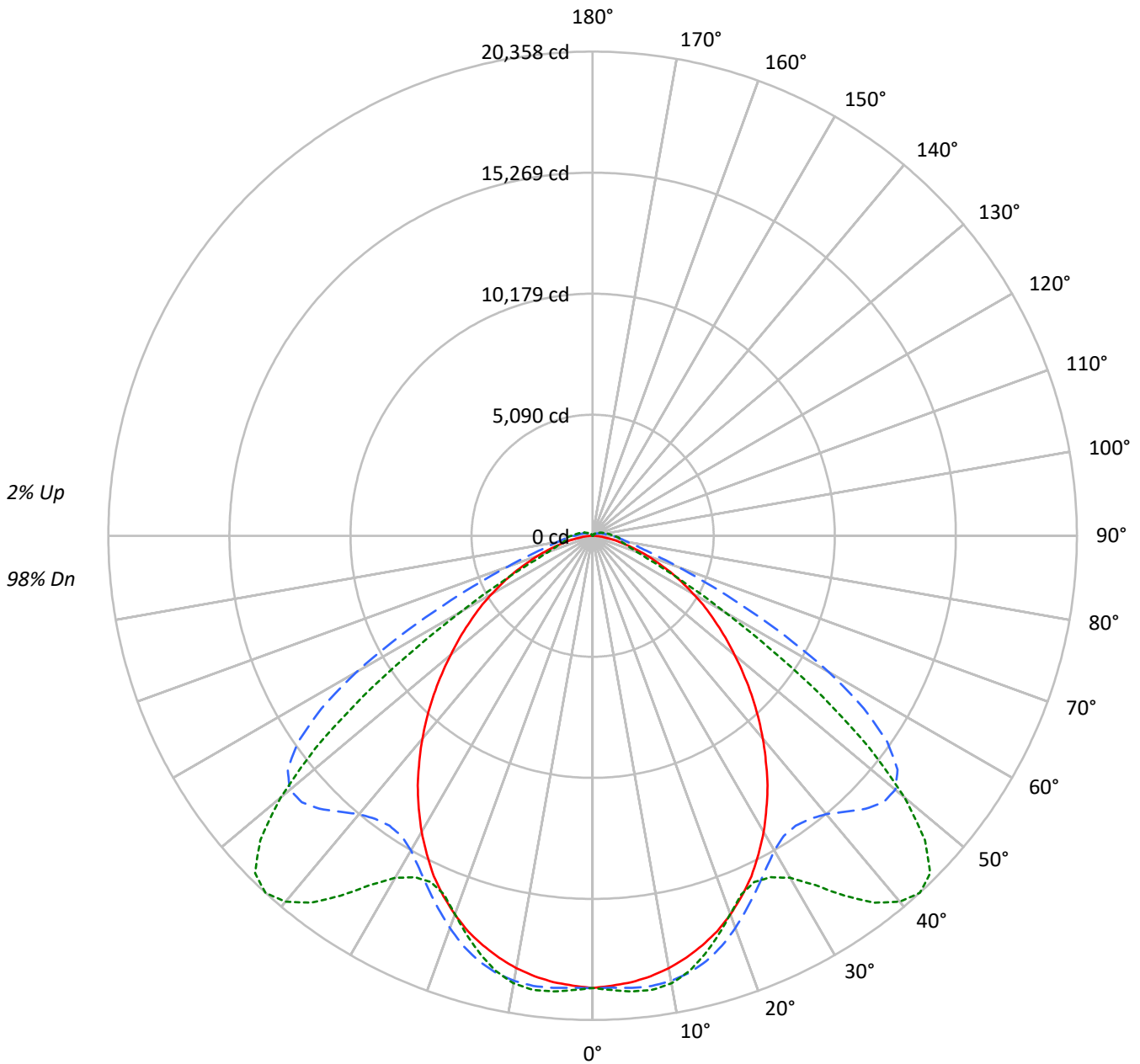
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56937.0 lumens
Efficiency: N/A
Efficacy: 157.3 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 (Ain): 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°	32479	32479	32479
5°	32176	32434	32690
10°	31773	32384	32569
15°	31153	31848	31369
20°	30304	30753	29680
25°	29168	29428	28928
30°	27656	28443	30950
35°	25932	28968	35991
40°	23932	31373	41318
45°	21840	35587	44062
50°	19658	39350	40627
55°	17608	39300	30701
60°	15520	33247	18515
65°	13316	22955	11018
70°	10819	14838	7763
75°	8230	10632	6939
80°	5908	9335	7364
85°	4010	10251	10241



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1817.2	3.2
10°-20°	5145.7	9.0
20°-30°	7529.9	13.2
30°-40°	9779.1	17.2
40°-50°	11941.6	21.0
50°-60°	10516.4	18.5
60°-70°	5480.2	9.6
70°-80°	2350.1	4.1
80°-90°	1128.6	2.0
90°-100°	530.2	0.9
100°-110°	329.6	0.6
110°-120°	194.9	0.3
120°-130°	105.9	0.2
130°-140°	53.2	0.1
140°-150°	25.6	0.0
150°-160°	8.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	14492.8	25.5
0°-40°	24271.9	42.6
0°-60°	46729.9	82.1
0°-90°	55688.8	97.8
90°-120°	1054.7	1.9
90°-150°	1239.3	2.2
90°-180°	1248.0	2.2
0°-180°	56937.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19016	19016	19016	19016	19016	
5°	18840	18983	19086	19254	19233	###
15°	17826	18327	18503	18364	18216	5019
25°	15795	16640	16357	16050	16066	7249
35°	12821	14175	14884	17358	18470	7991
45°	9440	11877	16234	19656	20066	7279
55°	6285	10404	15118	13256	11783	5641
65°	3606	7208	6921	3848	3311	3568
75°	1452	3372	2224	1522	1444	1584
85°	308	1202	1132	1108	1120	343
90°	4	435	747	853	874	21
95°	8	254	595	698	718	6
105°	16	144	386	464	472	17
115°	25	82	238	291	300	25
125°	29	41	140	180	185	24
135°	25	25	66	111	115	19
145°	33	25	29	53	62	19
155°	33	33	25	25	25	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19015.9	19015.9	19015.9	19015.9	19015.9
2.5°	18933.9	19015.9	19020.0	19134.9	19122.6
5°	18839.5	18983.1	19085.7	19253.9	19233.4
7.5°	18683.6	18909.2	19089.8	19274.4	19258.0
10°	18462.1	18769.8	19007.7	19159.5	19110.3
12.5°	18174.9	18581.0	18814.9	18847.7	18753.3
15°	17826.1	18326.7	18503.1	18363.6	18215.9
17.5°	17432.3	18019.0	18080.5	17776.9	17592.3
20°	16940.0	17608.7	17547.2	17128.7	16923.6
22.5°	16394.3	17157.4	16960.5	16521.5	16324.6
25°	15795.3	16640.5	16357.4	16049.7	16066.1
27.5°	15093.8	16053.8	15778.9	15918.4	16181.0
30°	14379.9	15438.4	15270.2	16082.5	16599.4
32.5°	13596.3	14806.6	14958.4	16562.5	17407.7
35°	12820.9	14174.8	14884.5	17358.4	18470.3
37.5°	11963.4	13534.7	15003.5	18277.4	19442.6
40°	11130.6	12911.1	15274.3	19102.1	20086.7
42.5°	10281.3	12353.2	15729.7	19590.3	20357.5
45°	9440.3	11877.3	16234.3	19655.9	20066.2
47.5°	8599.2	11475.2	16583.0	19134.9	18946.2
50°	7786.9	11118.3	16607.6	17883.6	17112.3
52.5°	7027.9	10790.0	16156.4	15889.7	14691.7
55°	6285.3	10404.4	15118.4	13255.8	11782.9
57.5°	5608.4	9871.0	13518.3	10424.9	8816.7
60°	4890.4	9149.0	11450.6	7626.9	6359.2
62.5°	4229.9	8250.5	9132.6	5308.9	4570.4
65°	3606.3	7208.4	6921.2	3848.3	3310.9
67.5°	2945.7	6129.4	5107.8	2806.2	2461.6
70°	2428.8	5128.3	3803.2	2182.6	1981.6
72.5°	1899.5	4176.5	2843.2	1772.4	1661.6
75°	1452.3	3372.4	2223.7	1522.1	1444.1
77.5°	1070.8	2666.7	1788.8	1345.7	1271.8
80°	750.8	2100.6	1497.5	1202.1	1173.4
82.5°	504.6	1624.7	1275.9	1144.6	1148.8
85°	307.7	1202.1	1132.3	1107.7	1120.0
87.5°	147.7	853.4	972.3	1009.3	1021.6
90°	4.1	434.9	746.7	853.4	873.9
92.5°	0.0	332.3	656.4	763.1	783.6
95°	8.2	254.4	594.9	697.5	718.0
97.5°	8.2	209.2	533.3	640.0	652.3
100°	12.3	180.5	475.9	578.5	590.8
102.5°	12.3	160.0	426.7	516.9	525.1
105°	16.4	143.6	385.7	463.6	471.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	24.6	98.5	270.8	328.2	336.4
115°	24.6	82.1	238.0	291.3	299.5
117.5°	28.7	73.8	209.2	258.5	262.6
120°	28.7	61.5	180.5	229.8	233.9
122.5°	28.7	49.2	160.0	205.1	209.2
125°	28.7	41.0	139.5	180.5	184.6
127.5°	24.6	28.7	119.0	160.0	164.1
130°	24.6	24.6	98.5	139.5	147.7
132.5°	24.6	24.6	82.1	123.1	131.3
135°	24.6	24.6	65.6	110.8	114.9
137.5°	24.6	24.6	53.3	94.4	102.6
140°	24.6	24.6	41.0	82.1	86.2
142.5°	28.7	24.6	36.9	69.7	73.8
145°	32.8	24.6	28.7	53.3	61.5
147.5°	32.8	28.7	28.7	45.1	49.2
150°	32.8	32.8	24.6	32.8	41.0
152.5°	32.8	32.8	24.6	24.6	32.8
155°	32.8	32.8	24.6	24.6	24.6
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°	20.5	127.2	344.6	414.4	422.6
110°	20.5	110.8	303.6	369.2	377.4



(END OF REPORT)