

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: P830672

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830672
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-60SE-A-UNV-L835-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

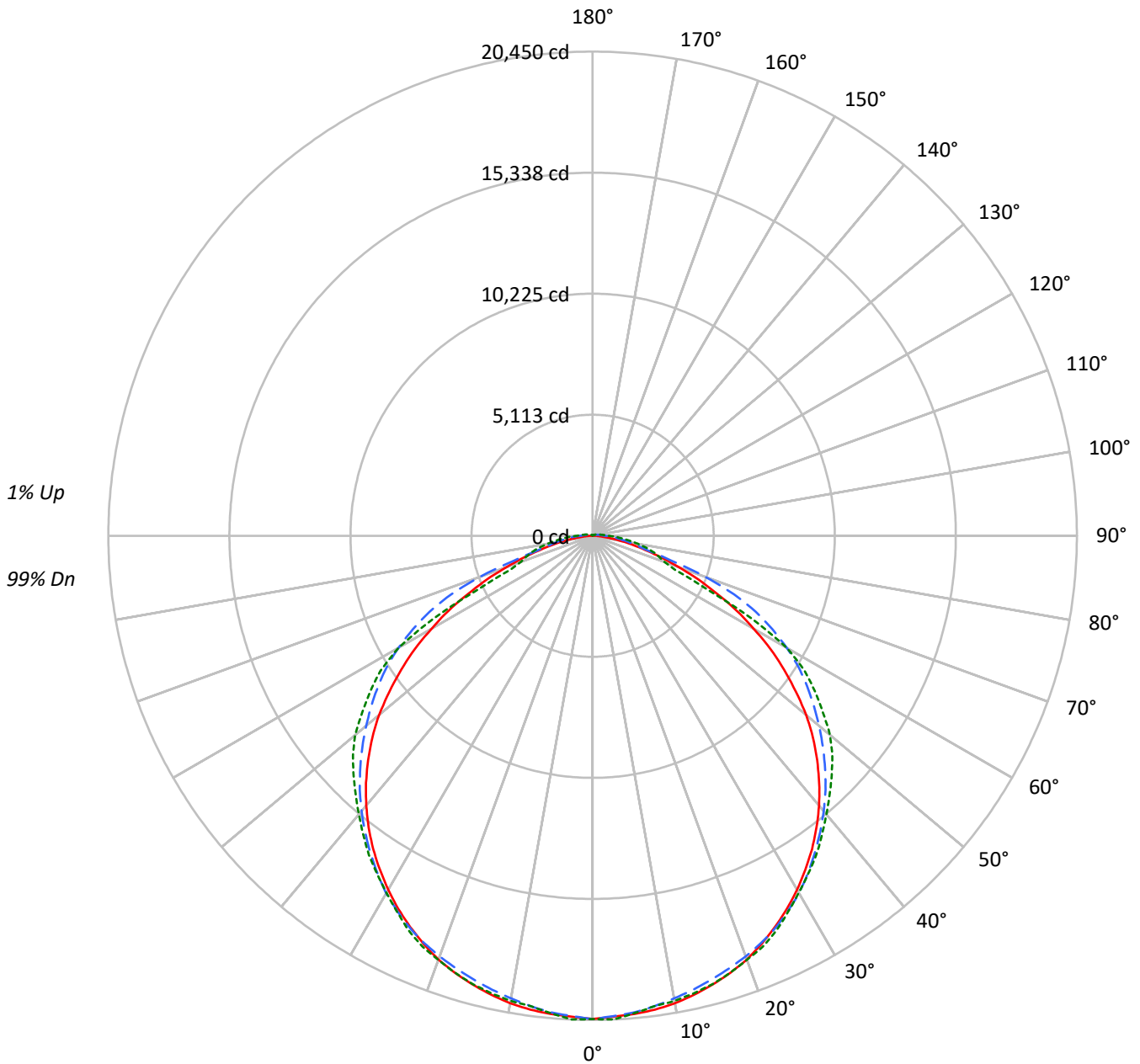
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57685.0 lumens
Efficiency: N/A
Efficacy: 159.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
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	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61				59																
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53				51																
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46				44																
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40				38																
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36				34																
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32				30																
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29				27																
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26				24																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34858	34858	34858
5°	34630	34336	34402
10°	34504	33801	33998
15°	34285	33397	33749
20°	34065	33136	33427
25°	33655	32874	33108
30°	33207	32469	32458
35°	32673	31835	32087
40°	31978	31180	31589
45°	31015	30423	31350
50°	29710	29563	31065
55°	27636	28713	29864
60°	24921	27478	27563
65°	21378	25212	17430
70°	17219	19642	12601
75°	12910	11625	12734
80°	8986	9621	12075
85°	5115	8736	11171



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1924.4	3.3
10°-20°	5518.2	9.6
20°-30°	8428.1	14.6
30°-40°	10226.1	17.7
40°-50°	10717.9	18.6
50°-60°	9712.0	16.8
60°-70°	6511.6	11.3
70°-80°	2924.0	5.1
80°-90°	1061.1	1.8
90°-100°	319.4	0.6
100°-110°	150.7	0.3
110°-120°	75.5	0.1
120°-130°	41.7	0.1
130°-140°	28.7	0.0
140°-150°	19.3	0.0
150°-160°	14.3	0.0
160°-170°	9.2	0.0
170°-180°	2.9	0.0
0°-30°	15870.6	27.5
0°-40°	26096.8	45.2
0°-60°	46526.8	80.7
0°-90°	57023.4	98.9
90°-120°	545.6	0.9
90°-150°	635.2	1.1
90°-180°	662.0	1.1
0°-180°	57685.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20409	20409	20409	20409	20409	
5°	20276	20347	20205	20267	20241	###
15°	19618	19541	19403	19574	19598	5539
25°	18225	18146	18272	18441	18388	8401
35°	16154	16192	16357	16531	16466	10097
45°	13406	13625	13878	14233	14277	10328
55°	9865	10340	11046	11488	11462	8806
65°	5790	6696	7602	6415	5238	5769
75°	2278	3305	2432	2488	2650	2490
85°	392	752	965	1166	1222	479
90°	3	251	499	626	655	23
95°	3	156	342	416	428	4
105°	12	68	168	204	212	14
115°	24	35	86	109	115	22
125°	21	24	53	62	65	21
135°	27	30	32	47	50	21
145°	27	30	30	32	35	18
155°	30	32	32	32	30	14
165°	32	32	32	32	32	9
175°	32	32	30	27	27	3
180°	30	30	30	30	30	



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CATALOG NUMBER: OHBL-60SE-A-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20409.0	20409.0	20409.0	20409.0	20409.0
2.5°	20326.4	20412.0	20305.7	20420.8	20450.3
5°	20276.2	20347.0	20205.4	20267.4	20240.8
7.5°	20184.7	20208.3	20040.1	20090.3	20037.2
10°	20049.0	20037.2	19839.5	19936.8	19948.6
12.5°	19848.3	19812.9	19635.8	19783.4	19786.3
15°	19618.1	19541.4	19402.7	19573.9	19597.5
17.5°	19352.5	19252.2	19160.7	19382.1	19346.6
20°	19042.7	18924.7	18907.0	19148.9	19060.4
22.5°	18659.1	18567.6	18608.9	18839.1	18783.0
25°	18225.3	18145.6	18272.5	18440.7	18387.6
27.5°	17767.9	17720.7	17865.3	17995.1	17891.8
30°	17266.2	17239.6	17431.5	17537.7	17407.9
32.5°	16720.3	16729.1	16912.1	17056.7	16935.7
35°	16153.7	16192.0	16357.3	16531.4	16466.5
37.5°	15531.0	15616.6	15781.9	15979.6	15911.7
40°	14873.0	14996.9	15179.9	15418.9	15356.9
42.5°	14161.8	14318.2	14554.3	14819.8	14813.9
45°	13406.3	13624.7	13878.5	14232.6	14276.9
47.5°	12621.4	12866.3	13187.9	13660.1	13728.0
50°	11768.5	12075.4	12476.8	13043.3	13084.7
52.5°	10818.3	11237.3	11768.5	12311.5	12261.3
55°	9865.1	10340.2	11045.5	11488.2	11461.6
57.5°	8914.9	9449.0	10304.8	10620.6	10617.6
60°	7852.6	8528.3	9463.8	9702.8	9466.8
62.5°	6869.9	7595.8	8566.7	8392.6	7584.0
65°	5789.8	6695.8	7601.7	6415.4	5238.0
67.5°	4830.8	5775.1	6456.8	4394.0	3762.5
70°	3865.8	4907.5	5034.4	3260.8	3216.6
72.5°	3010.0	4119.6	3473.3	2791.6	2933.3
75°	2278.2	3305.1	2431.6	2487.7	2650.0
77.5°	1661.4	2537.8	1891.6	2180.8	2313.6
80°	1142.0	1797.1	1543.4	1832.6	1924.0
82.5°	717.1	1186.3	1236.5	1475.5	1569.9
85°	392.5	752.5	965.0	1165.6	1221.7
87.5°	162.3	454.5	737.7	900.0	947.3
90°	3.0	250.8	498.7	625.6	655.1
92.5°	3.0	191.8	407.2	504.6	525.3
95°	3.0	156.4	342.3	416.1	427.9
97.5°	5.9	123.9	286.2	345.3	357.1
100°	8.9	103.3	239.0	289.2	298.0
102.5°	11.8	82.6	200.7	242.0	250.8
105°	11.8	67.9	168.2	203.6	212.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	20.7	41.3	100.3	126.9	132.8
115°	23.6	35.4	85.6	109.2	115.1
117.5°	23.6	29.5	73.8	91.5	97.4
120°	23.6	26.6	64.9	79.7	82.6
122.5°	23.6	23.6	56.1	70.8	73.8
125°	20.7	23.6	53.1	62.0	64.9
127.5°	23.6	23.6	47.2	56.1	59.0
130°	23.6	26.6	41.3	53.1	53.1
132.5°	26.6	29.5	38.4	50.2	50.2
135°	26.6	29.5	32.5	47.2	50.2
137.5°	29.5	29.5	29.5	44.3	47.2
140°	29.5	29.5	26.6	38.4	41.3
142.5°	26.6	29.5	26.6	35.4	38.4
145°	26.6	29.5	29.5	32.5	35.4
147.5°	29.5	29.5	29.5	29.5	32.5
150°	29.5	29.5	29.5	29.5	29.5
152.5°	29.5	29.5	29.5	29.5	29.5
155°	29.5	32.5	32.5	32.5	29.5
157.5°	29.5	32.5	32.5	32.5	32.5
160°	29.5	32.5	32.5	32.5	32.5
162.5°	32.5	32.5	32.5	32.5	32.5
165°	32.5	32.5	32.5	32.5	32.5
167.5°	32.5	35.4	32.5	32.5	32.5
170°	32.5	32.5	32.5	29.5	29.5
172.5°	32.5	32.5	32.5	29.5	29.5
175°	32.5	32.5	29.5	26.6	26.6
177.5°	35.4	32.5	29.5	26.6	23.6
180°	29.5	29.5	29.5	29.5	29.5



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	14.8	56.1	144.6	174.1	180.0
110°	17.7	47.2	121.0	147.5	153.5



(END OF REPORT)