

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: P830684

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830684
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-MCL-UNV-L835-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

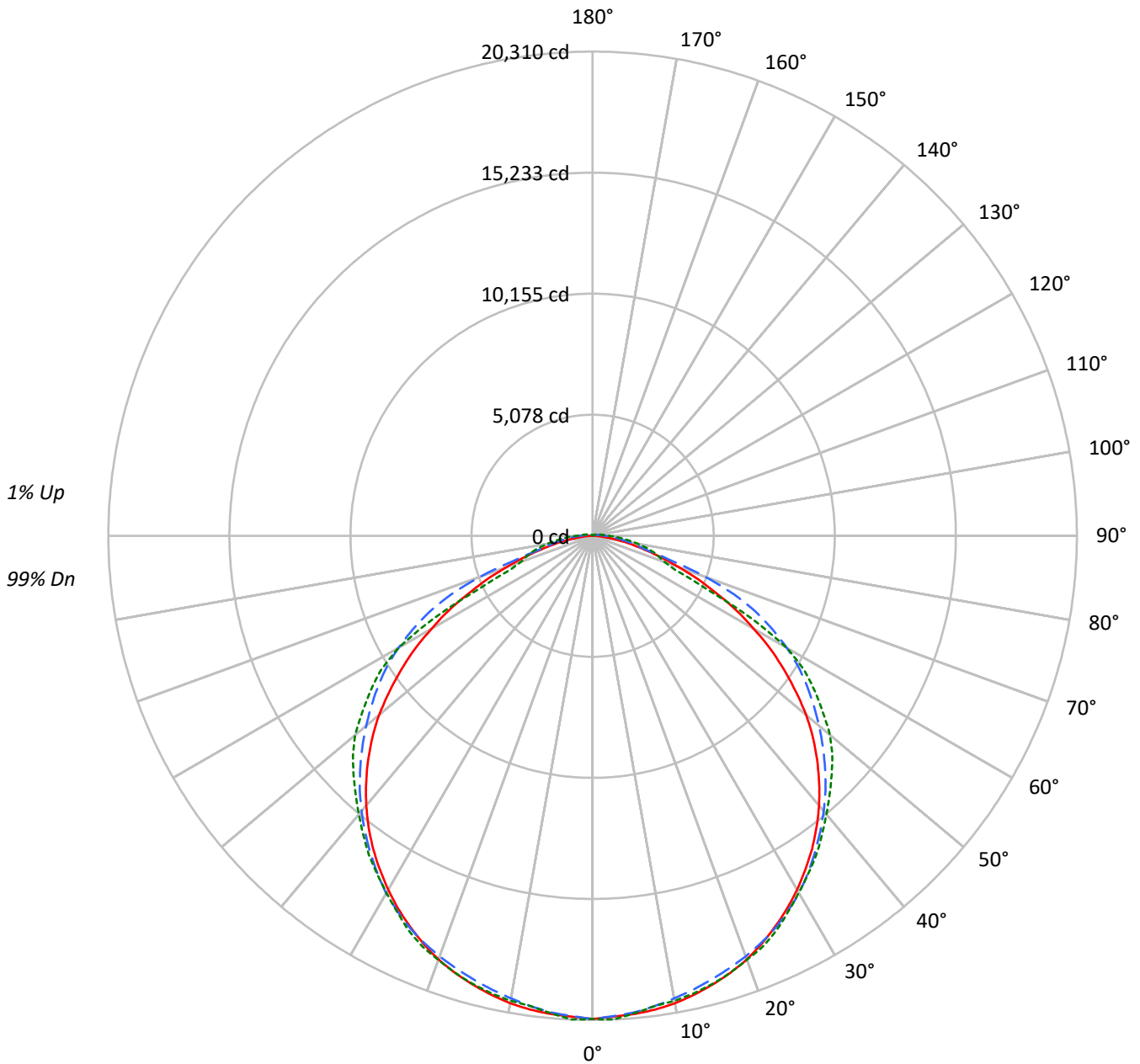
Lumens per Lamp: N/A
Luminaire Lumens: 57287.9 lumens
Efficiency: N/A
Efficacy: 158.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	34618	34618	34618
5°	34392	34100	34165
10°	34266	33568	33764
15°	34049	33167	33516
20°	33831	32908	33197
25°	33423	32647	32880
30°	32979	32245	32234
35°	32448	31616	31866
40°	31758	30965	31372
45°	30802	30214	31134
50°	29505	29359	30851
55°	27446	28515	29659
60°	24750	27289	27374
65°	21231	25039	17310
70°	17101	19507	12514
75°	12821	11546	12646
80°	8925	9554	11992
85°	5079	8675	11094



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1911.1	3.3
10°-20°	5480.2	9.6
20°-30°	8370.0	14.6
30°-40°	10155.7	17.7
40°-50°	10644.2	18.6
50°-60°	9645.2	16.8
60°-70°	6466.7	11.3
70°-80°	2903.9	5.1
80°-90°	1053.8	1.8
90°-100°	317.2	0.6
100°-110°	149.7	0.3
110°-120°	75.0	0.1
120°-130°	41.4	0.1
130°-140°	28.4	0.0
140°-150°	19.1	0.0
150°-160°	14.2	0.0
160°-170°	9.1	0.0
170°-180°	2.9	0.0
0°-30°	15761.4	27.5
0°-40°	25917.1	45.2
0°-60°	46206.5	80.7
0°-90°	56630.9	98.9
90°-120°	541.9	0.9
90°-150°	630.8	1.1
90°-180°	657.0	1.1
0°-180°	57287.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20268	20268	20268	20268	20268	
5°	20137	20207	20066	20128	20102	###
15°	19483	19407	19269	19439	19463	5501
25°	18100	18021	18147	18314	18261	8343
35°	16042	16081	16245	16418	16353	10027
45°	13314	13531	13783	14135	14179	10256
55°	9797	10269	10970	11409	11383	8745
65°	5750	6650	7549	6371	5202	5729
75°	2262	3282	2415	2471	2632	2473
85°	390	747	958	1158	1213	476
90°	3	249	495	621	651	23
95°	3	155	340	413	425	4
105°	12	67	167	202	211	14
115°	23	35	85	108	114	22
125°	20	23	53	62	64	20
135°	26	29	32	47	50	21
145°	26	29	29	32	35	17
155°	29	32	32	32	29	14
165°	32	32	32	32	32	9
175°	32	32	29	26	26	3
180°	29	29	29	29	29	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20268.5	20268.5	20268.5	20268.5	20268.5
2.5°	20186.5	20271.5	20166.0	20280.3	20309.6
5°	20136.7	20207.0	20066.3	20127.9	20101.5
7.5°	20045.8	20069.3	19902.2	19952.0	19899.3
10°	19911.0	19899.3	19702.9	19799.6	19811.4
12.5°	19711.7	19676.5	19500.7	19647.2	19650.2
15°	19483.1	19406.9	19269.2	19439.2	19462.6
17.5°	19219.4	19119.7	19028.9	19248.7	19213.5
20°	18911.6	18794.4	18776.8	19017.1	18929.2
22.5°	18530.7	18439.8	18480.8	18709.4	18653.7
25°	18099.8	18020.7	18146.7	18313.8	18261.0
27.5°	17645.6	17598.7	17742.3	17871.3	17768.7
30°	17147.4	17121.0	17311.5	17417.0	17288.0
32.5°	16605.2	16614.0	16795.7	16939.3	16819.1
35°	16042.5	16080.6	16244.7	16417.6	16353.2
37.5°	15424.1	15509.1	15673.2	15869.6	15802.2
40°	14770.6	14893.7	15075.4	15312.8	15251.2
42.5°	14064.3	14219.6	14454.1	14717.8	14712.0
45°	13314.1	13530.9	13783.0	14134.6	14178.6
47.5°	12534.5	12777.7	13097.2	13566.1	13633.5
50°	11687.5	11992.3	12390.9	12953.6	12994.6
52.5°	10743.9	11160.0	11687.5	12226.8	12177.0
55°	9797.2	10269.1	10969.5	11409.1	11382.7
57.5°	8853.6	9384.0	10233.9	10547.5	10544.6
60°	7798.5	8469.6	9398.7	9636.1	9401.6
62.5°	6822.6	7543.6	8507.7	8334.8	7531.8
65°	5750.0	6649.7	7549.4	6371.3	5201.9
67.5°	4797.5	5735.3	6412.3	4363.8	3736.6
70°	3839.2	4873.7	4999.7	3238.4	3194.4
72.5°	2989.3	4091.2	3449.4	2772.4	2913.1
75°	2262.5	3282.4	2414.9	2470.6	2631.7
77.5°	1650.0	2520.4	1878.6	2165.8	2297.6
80°	1134.2	1784.8	1532.7	1819.9	1910.8
82.5°	712.2	1178.1	1228.0	1465.3	1559.1
85°	389.8	747.3	958.3	1157.6	1213.3
87.5°	161.2	451.3	732.7	893.9	940.7
90°	2.9	249.1	495.3	621.3	650.6
92.5°	2.9	190.5	404.4	501.1	521.7
95°	2.9	155.3	340.0	413.2	424.9
97.5°	5.9	123.1	284.3	342.9	354.6
100°	8.8	102.6	237.4	287.2	296.0
102.5°	11.7	82.1	199.3	240.3	249.1
105°	11.7	67.4	167.0	202.2	211.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	20.5	41.0	99.6	126.0	131.9
115°	23.4	35.2	85.0	108.4	114.3
117.5°	23.4	29.3	73.3	90.9	96.7
120°	23.4	26.4	64.5	79.1	82.1
122.5°	23.4	23.4	55.7	70.3	73.3
125°	20.5	23.4	52.8	61.5	64.5
127.5°	23.4	23.4	46.9	55.7	58.6
130°	23.4	26.4	41.0	52.8	52.8
132.5°	26.4	29.3	38.1	49.8	49.8
135°	26.4	29.3	32.2	46.9	49.8
137.5°	29.3	29.3	29.3	44.0	46.9
140°	29.3	29.3	26.4	38.1	41.0
142.5°	26.4	29.3	26.4	35.2	38.1
145°	26.4	29.3	29.3	32.2	35.2
147.5°	29.3	29.3	29.3	29.3	32.2
150°	29.3	29.3	29.3	29.3	29.3
152.5°	29.3	29.3	29.3	29.3	29.3
155°	29.3	32.2	32.2	32.2	29.3
157.5°	29.3	32.2	32.2	32.2	32.2
160°	29.3	32.2	32.2	32.2	32.2
162.5°	32.2	32.2	32.2	32.2	32.2
165°	32.2	32.2	32.2	32.2	32.2
167.5°	32.2	35.2	32.2	32.2	32.2
170°	32.2	32.2	32.2	29.3	29.3
172.5°	32.2	32.2	32.2	29.3	29.3
175°	32.2	32.2	29.3	26.4	26.4
177.5°	35.2	32.2	29.3	26.4	23.4
180°	29.3	29.3	29.3	29.3	29.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	14.7	55.7	143.6	172.9	178.8
110°	17.6	46.9	120.2	146.5	152.4



(END OF REPORT)