

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: P830756

Luminaire Tested: **OHBL-72SE-MCL-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830756
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-72SE-MCL-UNV-L835-CD
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

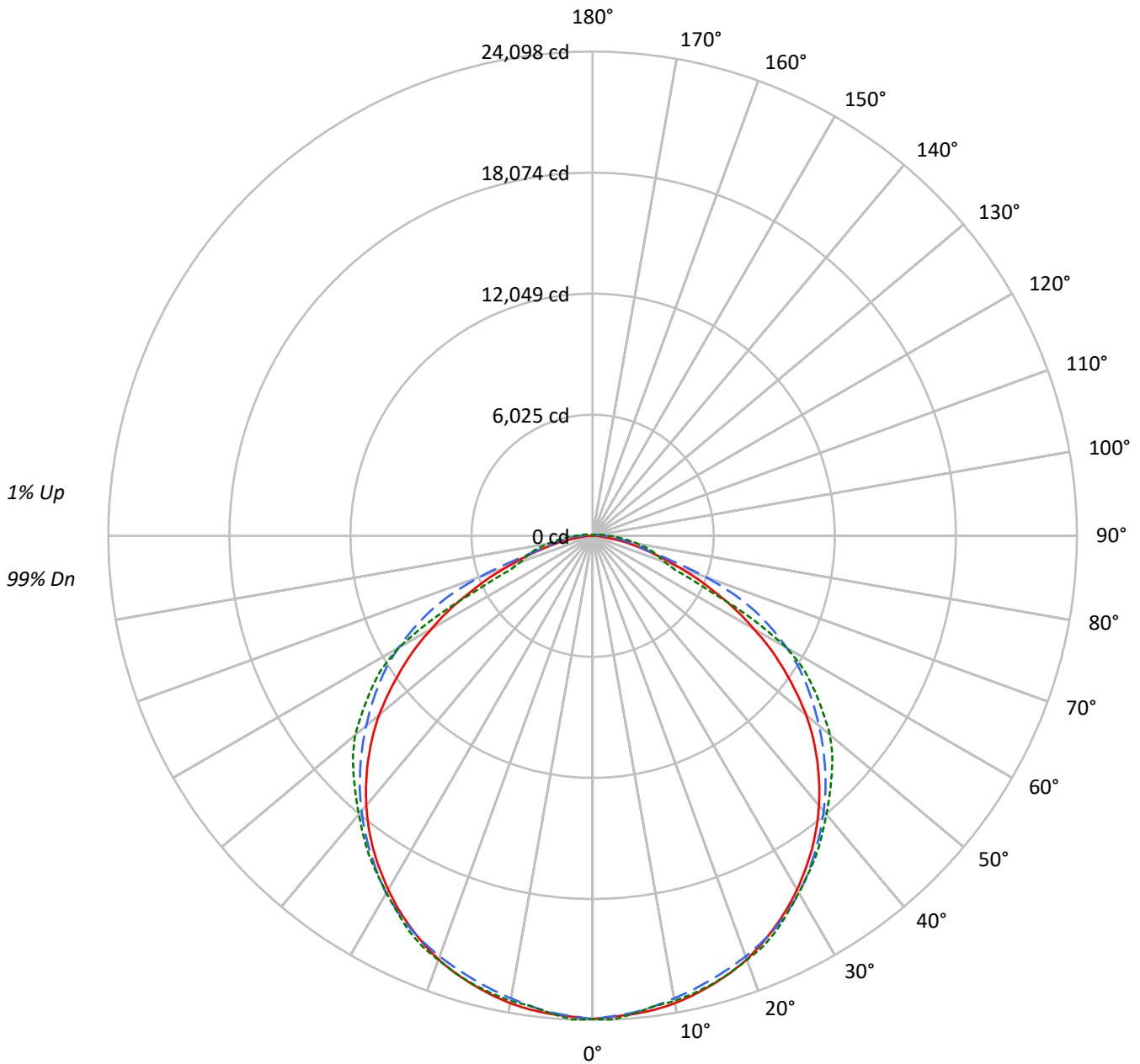
Lumens per Lamp: N/A
Luminaire Lumens: 67974.0 lumens
Efficiency: N/A
Efficacy: 164.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 413.7
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°	38033	38033	38033
5°	37784	37481	37560
10°	37646	36913	37142
15°	37407	36489	36894
20°	37168	36221	36567
25°	36720	35952	36243
30°	36232	35527	35558
35°	35649	34854	35180
40°	34891	34158	34665
45°	33840	33352	34437
50°	32416	32436	34164
55°	30153	31534	32889
60°	27191	30214	30406
65°	23325	27765	19270
70°	18788	21674	13971
75°	14086	12867	14179
80°	9804	10698	13538
85°	5580	9803	12690



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2267.6	3.3
10°-20°	6502.5	9.6
20°-30°	9931.3	14.6
30°-40°	12050.1	17.7
40°-50°	12629.7	18.6
50°-60°	11444.4	16.8
60°-70°	7673.0	11.3
70°-80°	3445.5	5.1
80°-90°	1250.3	1.8
90°-100°	376.4	0.6
100°-110°	177.6	0.3
110°-120°	89.0	0.1
120°-130°	49.1	0.1
130°-140°	33.8	0.0
140°-150°	22.7	0.0
150°-160°	16.9	0.0
160°-170°	10.9	0.0
170°-180°	3.4	0.0
0°-30°	18701.4	27.5
0°-40°	30751.5	45.2
0°-60°	54825.5	80.7
0°-90°	67194.3	98.9
90°-120°	642.9	0.9
90°-150°	748.5	1.1
90°-180°	780.0	1.1
0°-180°	67974.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24049	24049	24049	24049	24049	
5°	23893	23976	23809	23882	23851	###
15°	23117	23027	22864	23065	23093	6527
25°	21476	21382	21532	21730	21667	9899
35°	19035	19080	19275	19480	19404	11897
45°	15798	16055	16354	16771	16823	12170
55°	11625	12185	13016	13537	13506	10376
65°	6822	7890	8958	7560	6172	6798
75°	2684	3895	2865	2931	3123	2934
85°	462	887	1137	1374	1440	564
90°	4	296	588	737	772	28
95°	4	184	403	490	504	5
105°	14	80	198	240	250	16
115°	28	42	101	129	136	26
125°	24	28	63	73	76	24
135°	31	35	38	56	59	25
145°	31	35	35	38	42	21
155°	35	38	38	38	35	16
165°	38	38	38	38	38	11
175°	38	38	35	31	31	4
180°	35	35	35	35	35	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	24049.3	24049.3	24049.3	24049.3	24049.3
2.5°	23951.9	24052.7	23927.6	24063.2	24097.9
5°	23892.8	23976.2	23809.3	23882.3	23851.1
7.5°	23785.0	23812.8	23614.6	23673.7	23611.1
10°	23625.0	23611.1	23378.1	23492.9	23506.8
12.5°	23388.6	23346.8	23138.2	23312.1	23315.5
15°	23117.3	23026.9	22863.5	23065.2	23093.0
17.5°	22804.4	22686.1	22578.3	22839.1	22797.4
20°	22439.3	22300.2	22279.3	22564.4	22460.1
22.5°	21987.2	21879.4	21928.1	22199.3	22133.2
25°	21476.0	21382.1	21531.7	21729.9	21667.3
27.5°	20937.0	20881.4	21051.8	21204.8	21083.1
30°	20345.9	20314.6	20540.6	20665.8	20512.8
32.5°	19702.6	19713.0	19928.6	20099.0	19956.4
35°	19034.9	19080.1	19274.9	19480.0	19403.5
37.5°	18301.2	18402.1	18596.8	18829.8	18749.8
40°	17525.8	17671.8	17887.4	18169.1	18096.1
42.5°	16687.7	16872.0	17150.2	17463.2	17456.2
45°	15797.5	16054.9	16353.9	16771.2	16823.4
47.5°	14872.6	15161.2	15540.2	16096.6	16176.6
50°	13867.6	14229.3	14702.2	15369.8	15418.5
52.5°	12747.9	13241.7	13867.6	14507.4	14448.3
55°	11624.7	12184.6	13015.7	13537.3	13506.0
57.5°	10505.0	11134.4	12142.9	12514.9	12511.5
60°	9253.2	10049.5	11151.8	11433.5	11155.3
62.5°	8095.2	8950.7	10094.7	9889.5	8936.8
65°	6822.5	7890.1	8957.6	7559.7	6172.3
67.5°	5692.4	6805.1	7608.4	5177.8	4433.6
70°	4555.3	5782.8	5932.3	3842.5	3790.3
72.5°	3546.9	4854.4	4092.8	3289.6	3456.5
75°	2684.5	3894.6	2865.3	2931.4	3122.6
77.5°	1957.7	2990.5	2229.0	2569.8	2726.2
80°	1345.7	2117.7	1818.6	2159.4	2267.2
82.5°	845.0	1397.9	1457.0	1738.7	1849.9
85°	462.5	886.7	1137.1	1373.5	1439.6
87.5°	191.3	535.5	869.3	1060.6	1116.2
90°	3.5	295.6	587.7	737.2	772.0
92.5°	3.5	226.0	479.9	594.6	619.0
95°	3.5	184.3	403.4	490.3	504.2
97.5°	7.0	146.0	337.3	406.8	420.8
100°	10.4	121.7	281.7	340.8	351.2
102.5°	13.9	97.4	236.5	285.1	295.6
105°	13.9	80.0	198.2	239.9	250.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	24.3	48.7	118.2	149.5	156.5
115°	27.8	41.7	100.8	128.7	135.6
117.5°	27.8	34.8	86.9	107.8	114.8
120°	27.8	31.3	76.5	93.9	97.4
122.5°	27.8	27.8	66.1	83.5	86.9
125°	24.3	27.8	62.6	73.0	76.5
127.5°	27.8	27.8	55.6	66.1	69.5
130°	27.8	31.3	48.7	62.6	62.6
132.5°	31.3	34.8	45.2	59.1	59.1
135°	31.3	34.8	38.3	55.6	59.1
137.5°	34.8	34.8	34.8	52.2	55.6
140°	34.8	34.8	31.3	45.2	48.7
142.5°	31.3	34.8	31.3	41.7	45.2
145°	31.3	34.8	34.8	38.3	41.7
147.5°	34.8	34.8	34.8	34.8	38.3
150°	34.8	34.8	34.8	34.8	34.8
152.5°	34.8	34.8	34.8	34.8	34.8
155°	34.8	38.3	38.3	38.3	34.8
157.5°	34.8	38.3	38.3	38.3	38.3
160°	34.8	38.3	38.3	38.3	38.3
162.5°	38.3	38.3	38.3	38.3	38.3
165°	38.3	38.3	38.3	38.3	38.3
167.5°	38.3	41.7	38.3	38.3	38.3
170°	38.3	38.3	38.3	34.8	34.8
172.5°	38.3	38.3	38.3	34.8	34.8
175°	38.3	38.3	34.8	31.3	31.3
177.5°	41.7	38.3	34.8	31.3	27.8
180°	34.8	34.8	34.8	34.8	34.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	17.4	66.1	170.4	205.2	212.1
110°	20.9	55.6	142.6	173.9	180.8



(END OF REPORT)