

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: P830760

Luminaire Tested: **OHBL-72SE-MCL-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830760
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-L935-CD
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

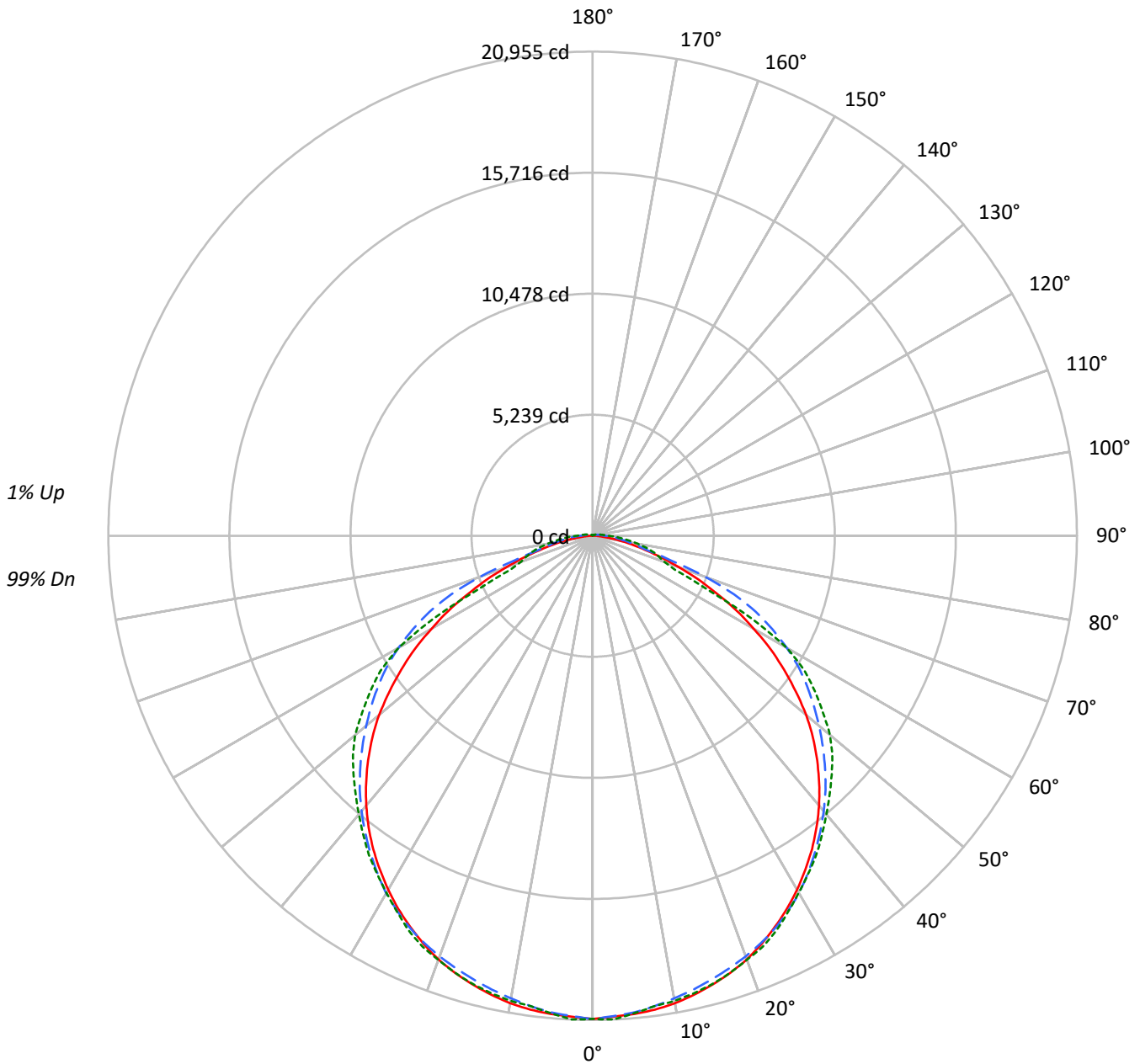
Lumens per Lamp: N/A
Luminaire Lumens: 59108.0 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	33073	33073	33073
5°	32856	32592	32661
10°	32736	32099	32298
15°	32528	31729	32082
20°	32320	31497	31798
25°	31931	31262	31516
30°	31506	30893	30920
35°	30999	30308	30591
40°	30340	29702	30143
45°	29426	29002	29945
50°	28188	28205	29708
55°	26220	27421	28599
60°	23645	26273	26440
65°	20283	24144	16757
70°	16337	18848	12149
75°	12249	11188	12330
80°	8526	9303	11772
85°	4853	8524	11034



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1971.9	3.3
10°-20°	5654.3	9.6
20°-30°	8636.0	14.6
30°-40°	10478.4	17.7
40°-50°	10982.3	18.6
50°-60°	9951.6	16.8
60°-70°	6672.2	11.3
70°-80°	2996.1	5.1
80°-90°	1087.3	1.8
90°-100°	327.3	0.6
100°-110°	154.4	0.3
110°-120°	77.4	0.1
120°-130°	42.7	0.1
130°-140°	29.3	0.0
140°-150°	19.7	0.0
150°-160°	14.7	0.0
160°-170°	9.4	0.0
170°-180°	3.0	0.0
0°-30°	16262.2	27.5
0°-40°	26740.5	45.2
0°-60°	47674.5	80.7
0°-90°	58430.1	98.9
90°-120°	559.1	0.9
90°-150°	650.8	1.1
90°-180°	678.0	1.1
0°-180°	59108.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20912	20912	20912	20912	20912	
5°	20776	20849	20704	20767	20740	###
15°	20102	20024	19881	20057	20081	5676
25°	18675	18593	18723	18896	18841	8608
35°	16552	16592	16761	16939	16873	10346
45°	13737	13961	14221	14584	14629	10582
55°	10108	10595	11318	11772	11744	9023
65°	5933	6861	7789	6574	5367	5911
75°	2334	3387	2492	2549	2715	2551
85°	402	771	989	1194	1252	491
90°	3	257	511	641	671	24
95°	3	160	351	426	438	4
105°	12	70	172	209	218	14
115°	24	36	88	112	118	22
125°	21	24	54	64	66	21
135°	27	30	33	48	51	22
145°	27	30	30	33	36	18
155°	30	33	33	33	30	14
165°	33	33	33	33	33	9
175°	33	33	30	27	27	3
180°	30	30	30	30	30	



TEST NUMBER: P830760

CATALOG NUMBER: OHBL-72SE-MCL-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20912.5	20912.5	20912.5	20912.5	20912.5
2.5°	20827.8	20915.5	20806.6	20924.6	20954.8
5°	20776.4	20849.0	20703.8	20767.3	20740.1
7.5°	20682.7	20706.8	20534.5	20585.9	20531.5
10°	20543.6	20531.5	20328.9	20428.7	20440.8
12.5°	20337.9	20301.7	20120.2	20271.4	20274.4
15°	20102.1	20023.5	19881.4	20056.7	20080.9
17.5°	19829.9	19727.1	19633.4	19860.2	19823.9
20°	19512.5	19391.5	19373.4	19621.3	19530.6
22.5°	19119.4	19025.6	19068.0	19303.8	19246.4
25°	18674.9	18593.2	18723.2	18895.6	18841.2
27.5°	18206.2	18157.8	18306.0	18439.0	18333.2
30°	17692.1	17664.9	17861.5	17970.3	17837.3
32.5°	17132.7	17141.8	17329.3	17477.4	17353.5
35°	16552.2	16591.5	16760.8	16939.2	16872.7
37.5°	15914.2	16001.8	16171.2	16373.8	16304.2
40°	15239.8	15366.8	15554.3	15799.2	15735.7
42.5°	14511.1	14671.4	14913.3	15185.4	15179.4
45°	13737.0	13960.8	14220.8	14583.7	14629.0
47.5°	12932.7	13183.7	13513.3	13997.1	14066.6
50°	12058.8	12373.3	12784.5	13365.1	13407.4
52.5°	11085.2	11514.6	12058.8	12615.2	12563.8
55°	10108.5	10595.3	11318.0	11771.6	11744.4
57.5°	9134.8	9682.1	10559.0	10882.6	10879.6
60°	8046.3	8738.7	9697.3	9942.2	9700.3
62.5°	7039.4	7783.2	8778.0	8599.6	7771.1
65°	5932.7	6861.0	7789.3	6573.7	5367.2
67.5°	4949.9	5917.5	6616.0	4502.4	3855.3
70°	3961.2	5028.5	5158.6	3341.3	3295.9
72.5°	3084.3	4221.2	3559.0	2860.5	3005.6
75°	2334.4	3386.6	2491.6	2549.0	2715.4
77.5°	1702.4	2600.5	1938.2	2234.6	2370.6
80°	1170.2	1841.5	1581.4	1877.8	1971.5
82.5°	734.8	1215.6	1267.0	1511.9	1608.7
85°	402.2	771.1	988.8	1194.4	1251.8
87.5°	166.3	465.7	755.9	922.3	970.6
90°	3.0	257.0	511.0	641.0	671.3
92.5°	3.0	196.5	417.3	517.1	538.2
95°	3.0	160.3	350.8	426.4	438.4
97.5°	6.0	127.0	293.3	353.8	365.9
100°	9.1	105.8	244.9	296.3	305.4
102.5°	12.1	84.7	205.6	247.9	257.0
105°	12.1	69.5	172.4	208.6	217.7



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CATALOG NUMBER: OHBL-72SE-MCL-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	21.2	42.3	102.8	130.0	136.1
115°	24.2	36.3	87.7	111.9	117.9
117.5°	24.2	30.2	75.6	93.7	99.8
120°	24.2	27.2	66.5	81.6	84.7
122.5°	24.2	24.2	57.5	72.6	75.6
125°	21.2	24.2	54.4	63.5	66.5
127.5°	24.2	24.2	48.4	57.5	60.5
130°	24.2	27.2	42.3	54.4	54.4
132.5°	27.2	30.2	39.3	51.4	51.4
135°	27.2	30.2	33.3	48.4	51.4
137.5°	30.2	30.2	30.2	45.4	48.4
140°	30.2	30.2	27.2	39.3	42.3
142.5°	27.2	30.2	27.2	36.3	39.3
145°	27.2	30.2	30.2	33.3	36.3
147.5°	30.2	30.2	30.2	30.2	33.3
150°	30.2	30.2	30.2	30.2	30.2
152.5°	30.2	30.2	30.2	30.2	30.2
155°	30.2	33.3	33.3	33.3	30.2
157.5°	30.2	33.3	33.3	33.3	33.3
160°	30.2	33.3	33.3	33.3	33.3
162.5°	33.3	33.3	33.3	33.3	33.3
165°	33.3	33.3	33.3	33.3	33.3
167.5°	33.3	36.3	33.3	33.3	33.3
170°	33.3	33.3	33.3	30.2	30.2
172.5°	33.3	33.3	33.3	30.2	30.2
175°	33.3	33.3	30.2	27.2	27.2
177.5°	36.3	33.3	30.2	27.2	24.2
180°	30.2	30.2	30.2	30.2	30.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	15.1	57.5	148.2	178.4	184.5
110°	18.1	48.4	124.0	151.2	157.2



(END OF REPORT)