

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: P830808

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830808
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-72SE-W-UNV-L935-CD
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

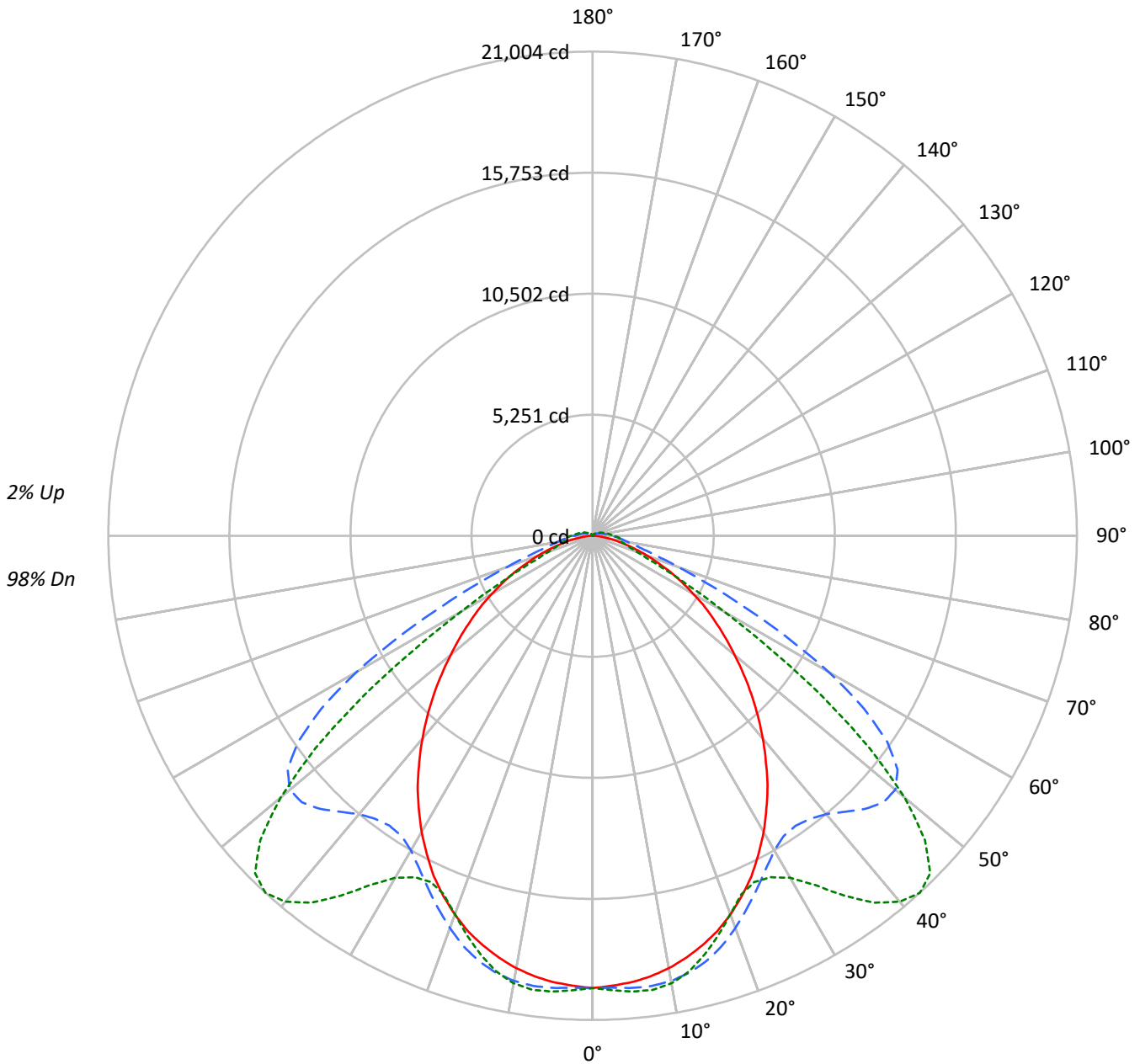
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58746.0 lumens
Efficiency: N/A
Efficacy: 142.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
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 (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°	31029	31029	31029
5°	30740	30999	31250
10°	30354	30966	31155
15°	29762	30468	30027
20°	28951	29434	28428
25°	27865	28180	27728
30°	26421	27250	29688
35°	24774	27770	34552
40°	22863	30094	39701
45°	20865	34160	42380
50°	18780	37804	39122
55°	16821	37792	29605
60°	14827	32009	17884
65°	12721	22134	10665
70°	10336	14337	7536
75°	7863	10302	6766
80°	5644	9089	7229
85°	3831	10072	10186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1874.9	3.2
10°-20°	5309.2	9.0
20°-30°	7769.1	13.2
30°-40°	10089.8	17.2
40°-50°	12321.0	21.0
50°-60°	10850.5	18.5
60°-70°	5654.3	9.6
70°-80°	2424.8	4.1
80°-90°	1164.5	2.0
90°-100°	547.1	0.9
100°-110°	340.0	0.6
110°-120°	201.1	0.3
120°-130°	109.3	0.2
130°-140°	54.8	0.1
140°-150°	26.4	0.0
150°-160°	9.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	14953.3	25.5
0°-40°	25043.1	42.6
0°-60°	48214.6	82.1
0°-90°	57458.1	97.8
90°-120°	1088.2	1.9
90°-150°	1278.7	2.2
90°-180°	1288.0	2.2
0°-180°	58746.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19620	19620	19620	19620	19620	
5°	19438	19586	19692	19866	19844	###
15°	18392	18909	19091	18947	18795	5179
25°	16297	17169	16877	16560	16576	7479
35°	13228	14625	15357	17910	19057	8245
45°	9740	12255	16750	20280	20704	7510
55°	6485	10735	15599	13677	12157	5820
65°	3721	7437	7141	3971	3416	3681
75°	1498	3480	2294	1570	1490	1634
85°	318	1240	1168	1143	1156	354
90°	4	449	770	880	902	22
95°	8	262	614	720	741	6
105°	17	148	398	478	487	18
115°	25	85	246	300	309	26
125°	30	42	144	186	190	25
135°	25	25	68	114	118	20
145°	34	25	30	55	64	20
155°	34	34	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°	19620.1	19620.1	19620.1	19620.1	19620.1
2.5°	19535.4	19620.1	19624.3	19742.8	19730.2
5°	19438.1	19586.2	19692.1	19865.6	19844.4
7.5°	19277.2	19510.0	19696.3	19886.8	19869.8
10°	19048.6	19366.1	19611.6	19768.2	19717.5
12.5°	18752.3	19171.4	19412.7	19446.5	19349.2
15°	18392.5	18908.9	19091.0	18947.0	18794.7
17.5°	17986.1	18591.5	18655.0	18341.7	18151.2
20°	17478.2	18168.2	18104.7	17672.9	17461.2
22.5°	16915.2	17702.5	17499.3	17046.4	16843.2
25°	16297.2	17169.2	16877.1	16559.6	16576.5
27.5°	15573.3	16563.8	16280.2	16424.2	16695.1
30°	14836.8	15928.9	15755.3	16593.5	17126.8
32.5°	14028.3	15277.0	15433.6	17088.7	17960.7
35°	13228.2	14625.1	15357.4	17909.9	19057.1
37.5°	12343.5	13964.8	15480.2	18858.1	20060.3
40°	11484.2	13321.3	15759.6	19709.0	20724.9
42.5°	10608.0	12745.7	16229.4	20212.7	21004.3
45°	9740.2	12254.6	16750.1	20280.4	20703.7
47.5°	8872.4	11839.8	17109.9	19742.8	19548.1
50°	8034.3	11471.5	17135.3	18451.8	17656.0
52.5°	7251.2	11132.9	16669.7	16394.5	15158.5
55°	6485.0	10735.0	15598.7	13676.9	12157.3
57.5°	5786.6	10184.7	13947.8	10756.1	9096.8
60°	5045.8	9439.7	11814.4	7869.2	6561.2
62.5°	4364.3	8512.6	9422.7	5477.5	4715.6
65°	3720.8	7437.4	7141.1	3970.6	3416.1
67.5°	3039.3	6324.1	5270.1	2895.4	2539.8
70°	2506.0	5291.3	3924.0	2252.0	2044.6
72.5°	1959.9	4309.2	2933.5	1828.7	1714.4
75°	1498.5	3479.6	2294.3	1570.5	1490.0
77.5°	1104.8	2751.5	1845.6	1388.4	1312.2
80°	774.6	2167.3	1545.1	1240.3	1210.6
82.5°	520.7	1676.3	1316.5	1181.0	1185.2
85°	317.5	1240.3	1168.3	1142.9	1155.6
87.5°	152.4	880.5	1003.2	1041.3	1054.0
90°	4.2	448.7	770.4	880.5	901.6
92.5°	0.0	342.9	677.3	787.3	808.5
95°	8.5	262.4	613.8	719.6	740.8
97.5°	8.5	215.9	550.3	660.4	673.1
100°	12.7	186.3	491.0	596.9	609.6
102.5°	12.7	165.1	440.2	533.4	541.8
105°	16.9	148.2	397.9	478.3	486.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	25.4	101.6	279.4	338.6	347.1
115°	25.4	84.7	245.5	300.5	309.0
117.5°	29.6	76.2	215.9	266.7	270.9
120°	29.6	63.5	186.3	237.0	241.3
122.5°	29.6	50.8	165.1	211.7	215.9
125°	29.6	42.3	143.9	186.3	190.5
127.5°	25.4	29.6	122.8	165.1	169.3
130°	25.4	25.4	101.6	143.9	152.4
132.5°	25.4	25.4	84.7	127.0	135.5
135°	25.4	25.4	67.7	114.3	118.5
137.5°	25.4	25.4	55.0	97.4	105.8
140°	25.4	25.4	42.3	84.7	88.9
142.5°	29.6	25.4	38.1	72.0	76.2
145°	33.9	25.4	29.6	55.0	63.5
147.5°	33.9	29.6	29.6	46.6	50.8
150°	33.9	33.9	25.4	33.9	42.3
152.5°	33.9	33.9	25.4	25.4	33.9
155°	33.9	33.9	25.4	25.4	25.4
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°	21.2	131.2	355.6	427.5	436.0
110°	21.2	114.3	313.2	381.0	389.4



(END OF REPORT)