

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: P830804

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

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830804
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-L835-CD
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

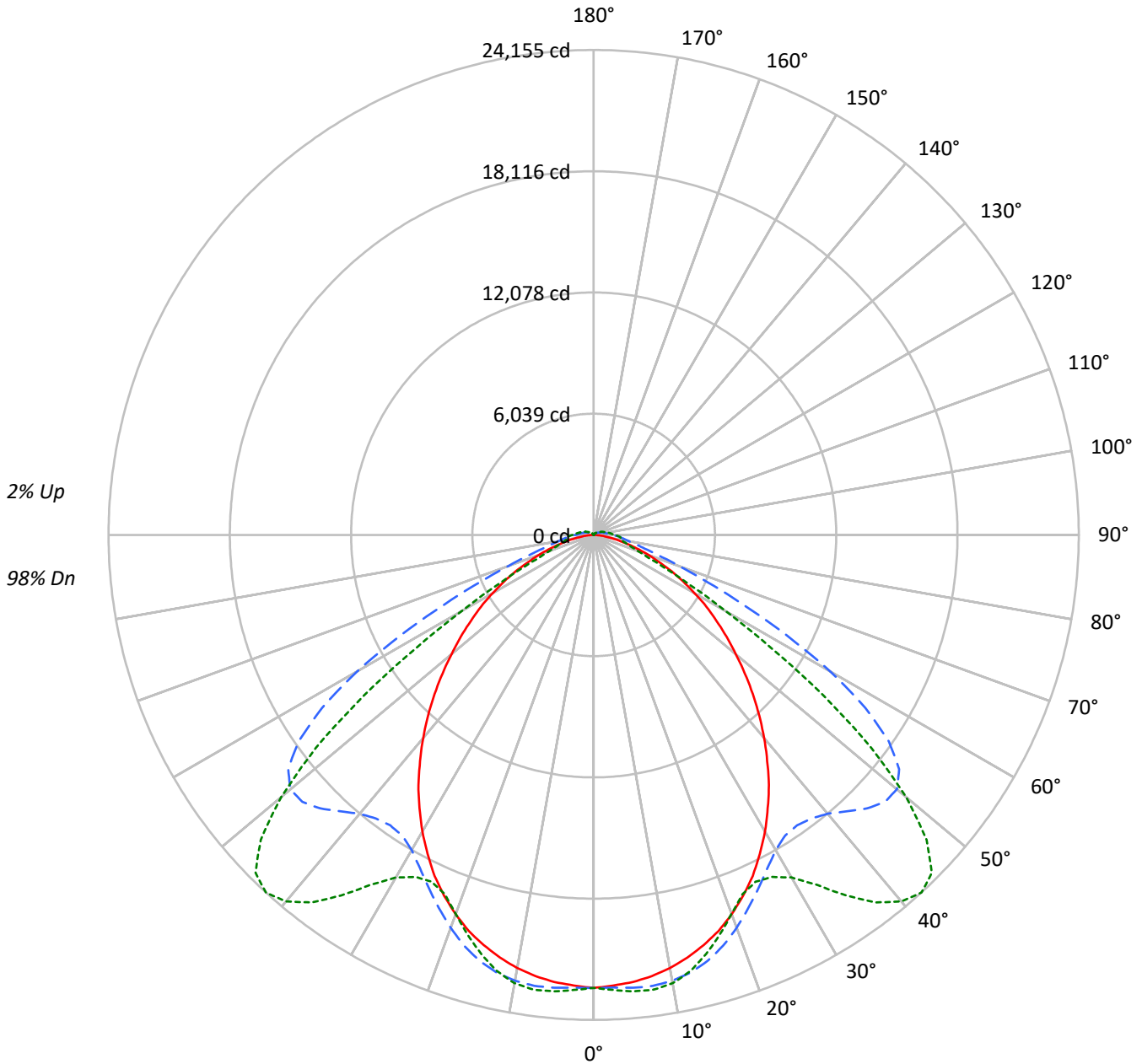
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 67557.0 lumens
Efficiency: N/A
Efficacy: 163.3 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 (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	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°	35683	35683	35683
5°	35350	35649	35937
10°	34906	35610	35828
15°	34226	35038	34530
20°	33293	33849	32692
25°	32044	32406	31887
30°	30384	31338	34141
35°	28490	31935	39734
40°	26292	34608	45655
45°	23994	39284	48736
50°	21597	43474	44989
55°	19345	43460	34045
60°	17051	36810	20566
65°	14629	25454	12265
70°	11886	16487	8667
75°	9042	11848	7781
80°	6490	10452	8313
85°	4405	11582	11714



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2156.1	3.2
10°-20°	6105.5	9.0
20°-30°	8934.4	13.2
30°-40°	11603.2	17.2
40°-50°	14168.9	21.0
50°-60°	12478.0	18.5
60°-70°	6502.4	9.6
70°-80°	2788.4	4.1
80°-90°	1339.1	2.0
90°-100°	629.1	0.9
100°-110°	391.0	0.6
110°-120°	231.2	0.3
120°-130°	125.7	0.2
130°-140°	63.1	0.1
140°-150°	30.3	0.0
150°-160°	10.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	17196.0	25.5
0°-40°	28799.2	42.6
0°-60°	55446.1	82.1
0°-90°	66075.9	97.8
90°-120°	1251.4	1.9
90°-150°	1470.5	2.2
90°-180°	1481.0	2.2
0°-180°	67557.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22563	22563	22563	22563	22563	
5°	22354	22524	22646	22845	22821	###
15°	21151	21745	21954	21789	21614	5956
25°	18742	19744	19408	19043	19063	8601
35°	15212	16819	17661	20596	21915	9482
45°	11201	14093	19262	23322	23809	8637
55°	7458	12345	17938	15728	13981	6693
65°	4279	8553	8212	4566	3928	4233
75°	1723	4001	2638	1806	1714	1879
85°	365	1426	1344	1314	1329	407
90°	5	516	886	1012	1037	25
95°	10	302	706	828	852	7
105°	20	170	458	550	560	21
115°	29	97	282	346	355	30
125°	34	49	166	214	219	29
135°	29	29	78	131	136	23
145°	39	29	34	63	73	23
155°	39	39	29	29	29	12
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°	22562.8	22562.8	22562.8	22562.8	22562.8
2.5°	22465.4	22562.8	22567.7	22704.0	22689.4
5°	22353.5	22523.9	22645.6	22845.1	22820.8
7.5°	22168.5	22436.2	22650.4	22869.5	22850.0
10°	21905.6	22270.7	22553.1	22733.2	22674.8
12.5°	21564.9	22046.8	22324.3	22363.2	22251.3
15°	21151.1	21745.0	21954.3	21788.8	21613.6
17.5°	20683.8	21379.9	21452.9	21092.7	20873.6
20°	20099.6	20893.1	20820.1	20323.6	20080.2
22.5°	19452.2	20357.6	20124.0	19603.1	19369.4
25°	18741.5	19744.3	19408.4	19043.3	19062.8
27.5°	17909.1	19048.2	18722.0	18887.5	19199.1
30°	17062.1	18318.0	18118.4	19082.2	19695.6
32.5°	16132.3	17568.3	17748.4	19651.8	20654.6
35°	15212.2	16818.7	17660.8	20596.2	21915.4
37.5°	14194.9	16059.3	17802.0	21686.6	23069.1
40°	13206.7	15319.3	18123.3	22665.0	23833.3
42.5°	12199.0	14657.3	18663.6	23244.3	24154.6
45°	11201.1	14092.6	19262.4	23322.2	23809.0
47.5°	10203.2	13615.6	19676.1	22704.0	22480.0
50°	9239.3	13192.1	19705.3	21219.3	20304.1
52.5°	8338.7	12802.6	19169.9	18853.5	17432.0
55°	7457.7	12345.0	17938.3	15728.2	13980.7
57.5°	6654.4	11712.2	16039.8	12369.4	10461.2
60°	5802.6	10855.5	13586.4	9049.5	7545.3
62.5°	5018.8	9789.4	10836.0	6299.1	5422.9
65°	4278.9	8552.9	8212.2	4566.1	3928.4
67.5°	3495.2	7272.7	6060.6	3329.7	2920.8
70°	2881.8	6084.9	4512.6	2589.7	2351.2
72.5°	2253.8	4955.5	3373.5	2102.9	1971.5
75°	1723.2	4001.4	2638.4	1806.0	1713.5
77.5°	1270.5	3164.1	2122.4	1596.7	1509.1
80°	890.8	2492.4	1776.8	1426.3	1392.2
82.5°	598.8	1927.7	1513.9	1358.1	1363.0
85°	365.1	1426.3	1343.5	1314.3	1328.9
87.5°	175.2	1012.5	1153.7	1197.5	1212.1
90°	4.9	516.0	886.0	1012.5	1036.9
92.5°	0.0	394.3	778.9	905.4	929.8
95°	9.7	301.8	705.8	827.5	851.9
97.5°	9.7	248.3	632.8	759.4	774.0
100°	14.6	214.2	564.7	686.4	701.0
102.5°	14.6	189.8	506.3	613.4	623.1
105°	19.5	170.4	457.6	550.1	559.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	29.2	116.8	321.3	389.4	399.2
115°	29.2	97.4	282.3	345.6	355.4
117.5°	34.1	87.6	248.3	306.7	311.5
120°	34.1	73.0	214.2	272.6	277.5
122.5°	34.1	58.4	189.8	243.4	248.3
125°	34.1	48.7	165.5	214.2	219.1
127.5°	29.2	34.1	141.2	189.8	194.7
130°	29.2	29.2	116.8	165.5	175.2
132.5°	29.2	29.2	97.4	146.0	155.8
135°	29.2	29.2	77.9	131.4	136.3
137.5°	29.2	29.2	63.3	112.0	121.7
140°	29.2	29.2	48.7	97.4	102.2
142.5°	34.1	29.2	43.8	82.8	87.6
145°	38.9	29.2	34.1	63.3	73.0
147.5°	38.9	34.1	34.1	53.5	58.4
150°	38.9	38.9	29.2	38.9	48.7
152.5°	38.9	38.9	29.2	29.2	38.9
155°	38.9	38.9	29.2	29.2	29.2
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°	24.3	150.9	408.9	491.7	501.4
110°	24.3	131.4	360.2	438.1	447.8



(END OF REPORT)