

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: P829260

Luminaire Tested: **OHB-24SE-MFL-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829260
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-24SE-MFL-UNV-L935-CD
Description: 24000 LUMEN OHB SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

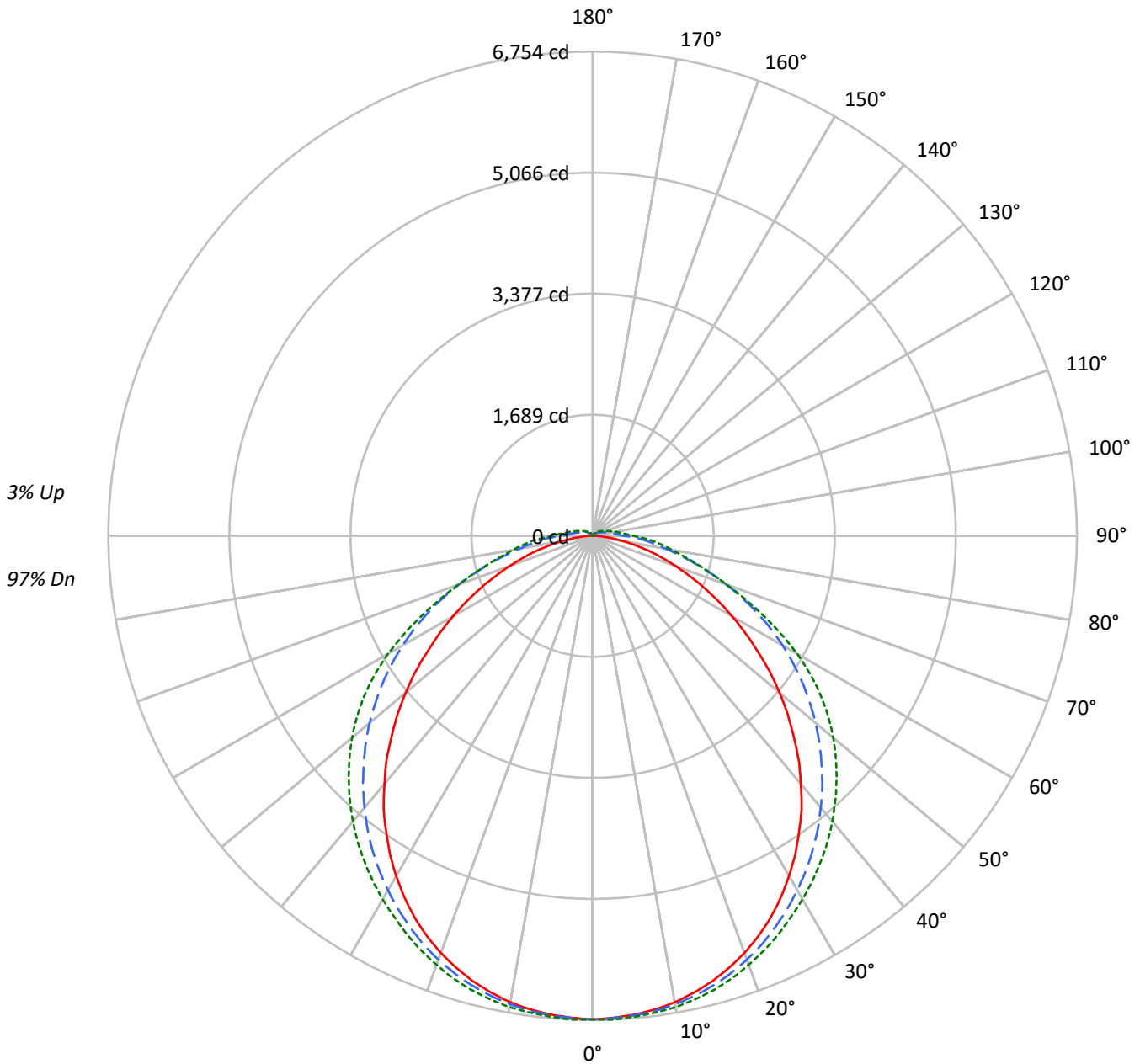
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20195.0 lumens
Efficiency: N/A
Efficacy: 137.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 146.6
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	80																	
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	66																	
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	56																	
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	47																	
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	41																	
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	36																	
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	32																	
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	28																	
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	25																	
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	23																	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22541	22541	22541
5°	22315	22260	22381
10°	22077	21997	22250
15°	21749	21697	22082
20°	21340	21344	21842
25°	20820	20921	21600
30°	20134	20465	21355
35°	19320	19984	21141
40°	18360	19435	20928
45°	17245	18841	20660
50°	16032	18234	20336
55°	14567	17502	19802
60°	13065	16647	18761
65°	11435	15574	17068
70°	9676	14225	15234
75°	7886	12662	13969
80°	5696	11385	13764
85°	3251	11217	15179



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	639.4	3.2
10°-20°	1834.3	9.1
20°-30°	2774.1	13.7
30°-40°	3330.3	16.5
40°-50°	3439.7	17.0
50°-60°	3094.6	15.3
60°-70°	2331.1	11.5
70°-80°	1407.6	7.0
80°-90°	688.4	3.4
90°-100°	289.8	1.4
100°-110°	165.4	0.8
110°-120°	97.1	0.5
120°-130°	54.9	0.3
130°-140°	28.9	0.1
140°-150°	14.1	0.1
150°-160°	5.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5247.8	26.0
0°-40°	8578.1	42.5
0°-60°	15112.4	74.8
0°-90°	19539.6	96.8
90°-120°	552.3	2.7
90°-150°	650.2	3.2
90°-180°	655.0	3.2
0°-180°	20195.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6748	6748	6748	6748	6748	
5°	6705	6723	6715	6741	6733	637
15°	6434	6465	6495	6550	6556	1814
25°	5876	5940	6024	6119	6134	2703
35°	5024	5141	5352	5514	5547	3141
45°	3965	4165	4513	4760	4811	3061
55°	2809	3100	3570	3840	3886	2519
65°	1714	2064	2527	2652	2622	1703
75°	808	1159	1463	1501	1486	862
85°	168	444	733	834	849	195
90°	0	173	420	528	550	11
95°	8	117	314	400	414	7
105°	12	68	182	238	248	12
115°	13	38	112	150	157	14
125°	13	18	68	97	102	12
135°	12	15	35	60	66	9
145°	16	15	16	30	35	10
155°	16	18	16	15	16	5
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°	6747.8	6747.8	6747.8	6747.8	6747.8
2.5°	6728.0	6744.5	6734.6	6756.0	6754.4
5°	6704.9	6723.0	6714.8	6741.2	6732.9
7.5°	6665.2	6685.0	6683.4	6713.1	6709.8
10°	6607.4	6628.9	6635.5	6675.1	6675.1
12.5°	6528.2	6556.2	6572.7	6620.6	6622.3
15°	6434.0	6465.4	6495.1	6549.6	6556.2
17.5°	6320.1	6359.7	6401.0	6463.7	6472.0
20°	6191.3	6235.8	6292.0	6358.1	6368.0
22.5°	6042.6	6095.5	6168.1	6245.8	6257.3
25°	5875.8	5940.2	6024.5	6118.6	6133.5
27.5°	5685.9	5760.2	5874.2	5979.9	5993.1
30°	5479.5	5567.0	5709.0	5834.5	5856.0
32.5°	5261.5	5362.2	5537.3	5677.7	5707.4
35°	5023.7	5140.9	5352.3	5514.2	5547.2
37.5°	4789.2	4918.0	5157.5	5342.4	5382.0
40°	4515.0	4675.2	4949.4	5154.2	5202.0
42.5°	4257.4	4430.8	4741.3	4964.2	5010.5
45°	3965.1	4164.9	4513.4	4759.5	4810.7
47.5°	3691.0	3907.3	4293.7	4548.1	4600.9
50°	3402.0	3639.8	4059.2	4325.1	4379.6
52.5°	3113.0	3368.9	3816.5	4092.3	4143.5
55°	2809.1	3099.8	3570.4	3839.6	3885.8
57.5°	2526.7	2833.9	3317.7	3573.7	3601.8
60°	2247.6	2566.3	3060.1	3284.7	3294.6
62.5°	1975.1	2310.4	2795.9	2974.2	2961.0
65°	1714.2	2064.3	2526.7	2652.2	2622.5
67.5°	1463.2	1824.8	2250.9	2331.8	2292.2
70°	1225.4	1592.0	1983.4	2024.7	1988.3
72.5°	1015.6	1370.7	1712.5	1747.2	1720.8
75°	807.6	1159.3	1463.2	1501.2	1486.3
77.5°	612.7	954.5	1233.6	1283.2	1286.5
80°	440.9	767.9	1033.8	1111.4	1121.3
82.5°	290.7	596.2	867.0	966.1	981.0
85°	168.4	444.2	733.2	834.0	848.8
87.5°	72.7	320.4	589.6	680.4	698.6
90°	0.0	173.4	419.5	528.5	549.9
92.5°	5.0	143.7	360.0	459.1	477.3
95°	8.3	117.3	313.8	399.6	414.5
97.5°	9.9	99.1	272.5	348.5	363.3
100°	9.9	85.9	236.2	305.5	318.7
102.5°	9.9	76.0	206.4	267.5	279.1
105°	11.6	67.7	181.7	237.8	247.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	13.2	44.6	125.5	168.4	175.1
115°	13.2	38.0	112.3	150.3	156.9
117.5°	14.9	33.0	99.1	135.4	140.4
120°	14.9	28.1	87.5	120.6	127.2
122.5°	14.9	23.1	77.6	109.0	113.9
125°	13.2	18.2	67.7	97.4	102.4
127.5°	11.6	14.9	57.8	87.5	92.5
130°	11.6	13.2	49.5	77.6	82.6
132.5°	11.6	14.9	41.3	67.7	74.3
135°	11.6	14.9	34.7	59.5	66.1
137.5°	11.6	14.9	28.1	51.2	57.8
140°	13.2	14.9	23.1	42.9	49.5
142.5°	14.9	14.9	18.2	36.3	41.3
145°	16.5	14.9	16.5	29.7	34.7
147.5°	16.5	16.5	16.5	23.1	28.1
150°	16.5	18.2	16.5	18.2	23.1
152.5°	16.5	18.2	16.5	14.9	18.2
155°	16.5	18.2	16.5	14.9	16.5
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°	11.6	59.5	160.2	211.4	219.6
110°	11.6	52.8	142.0	188.3	196.5



(END OF REPORT)