

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: P828045

Luminaire Tested: **OHBL-24SE-A-UNV-L935-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828045
REPORT IS A COMBINATION OF REPORTS P826077 AND G3-2310-221-12
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-24SE-A-UNV-L935-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

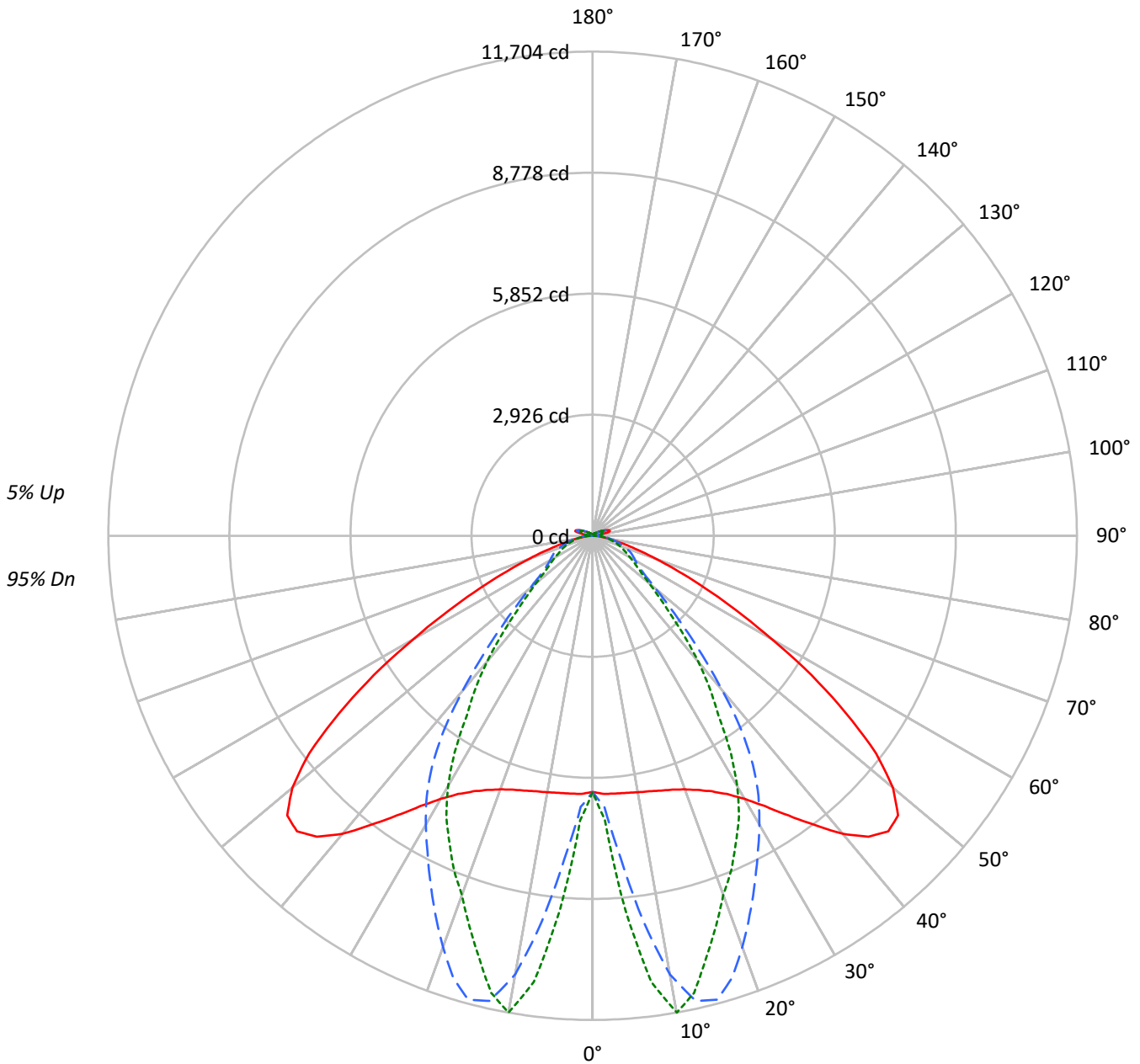
Lumens per Lamp: N/A
Luminaire Lumens: 20912.8 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 146.4
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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	97	97	97	95																			
1	109	105	102	99	106	103	99	97	98	95	93	93	91	89	89	87	86	83																			
2	101	94	88	84	98	92	87	82	88	83	80	84	80	77	80	77	75	73																			
3	94	85	78	72	91	83	76	71	79	74	69	76	71	67	73	69	66	64																			
4	87	76	69	63	84	75	68	62	72	66	61	69	64	60	66	62	58	56																			
5	80	69	61	55	78	68	60	55	65	59	54	63	57	53	61	56	52	50																			
6	75	63	55	49	73	62	54	49	60	53	48	58	52	47	56	51	47	45																			
7	70	58	50	44	68	57	49	44	55	48	43	53	47	43	51	46	42	40																			
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38	37																			
9	61	49	42	37	60	48	41	36	47	40	36	45	40	35	44	39	35	33																			
10	58	46	38	33	56	45	38	33	44	37	33	42	37	33	41	36	32	31																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10579	10579	10579
5°	10633	13305	15507
10°	10727	18343	20142
15°	10983	19982	18487
20°	11437	18541	16522
25°	12271	16674	15112
30°	13683	15014	13438
35°	16086	13141	10708
40°	19342	10007	8522
45°	22186	6818	6066
50°	22493	4677	4486
55°	19470	3680	3665
60°	14543	3444	3297
65°	9968	3455	3123
70°	6374	3333	3025
75°	3833	3084	2895
80°	2255	2710	2986
85°	1086	2328	2769



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	808.6	3.9
10°-20°	2853.9	13.6
20°-30°	4205.3	20.1
30°-40°	4419.1	21.1
40°-50°	3381.5	16.2
50°-60°	2041.9	9.8
60°-70°	1246.0	6.0
70°-80°	680.1	3.3
80°-90°	241.4	1.2
90°-100°	99.1	0.5
100°-110°	344.9	1.6
110°-120°	296.3	1.4
120°-130°	142.0	0.7
130°-140°	71.0	0.3
140°-150°	41.3	0.2
150°-160°	24.1	0.1
160°-170°	12.5	0.1
170°-180°	3.8	0.0
0°-30°	7867.8	37.6
0°-40°	12286.9	58.8
0°-60°	17710.2	84.7
0°-90°	19877.7	95.1
90°-120°	740.3	3.5
90°-150°	994.7	4.8
90°-180°	1035.0	4.9
0°-180°	20912.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6194	6194	6194	6194	6194	
5°	6256	6712	7829	8742	9080	598
15°	6378	9933	11609	10833	10578	1813
25°	6815	11528	9268	8391	8184	3185
35°	8255	9232	6752	5623	5294	5237
45°	10104	5268	3110	2737	2622	7634
55°	7472	1786	1416	1312	1308	6603
65°	2996	1131	1042	891	846	3069
75°	798	703	645	532	511	918
85°	119	218	257	234	212	147
90°	2	15	20	26	29	8
95°	21	48	72	97	112	68
105°	431	426	363	258	237	408
115°	300	300	301	298	293	300
125°	147	152	156	154	155	137
135°	85	88	91	92	92	68
145°	62	64	65	66	67	40
155°	50	51	52	52	52	23
165°	43	43	44	44	44	12
175°	39	39	39	39	39	4
180°	38	38	38	38	38	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6193.6	6193.6	6193.6	6193.6	6193.6
2.5°	6244.3	6308.1	6559.3	6820.1	6883.6
5°	6255.8	6711.5	7829.3	8742.2	9079.5
7.5°	6269.0	7365.1	9403.0	10520.6	10878.3
10°	6294.3	8191.7	10766.5	11568.9	11704.1
12.5°	6325.6	9067.3	11516.8	11487.6	11317.1
15°	6377.7	9933.4	11609.2	10833.2	10578.5
17.5°	6432.3	10666.2	11206.1	10120.9	9899.1
20°	6521.3	11210.1	10579.0	9487.8	9235.7
22.5°	6649.6	11509.2	9921.4	8915.1	8750.7
25°	6815.1	11528.5	9268.3	8391.1	8183.9
27.5°	7036.8	11261.1	8642.3	7877.7	7658.8
30°	7338.6	10749.0	8060.7	7258.6	6987.2
32.5°	7748.3	10012.0	7461.0	6511.2	6206.8
35°	8255.1	9232.3	6752.2	5623.1	5294.3
37.5°	8808.1	8366.4	5891.9	4836.7	4645.2
40°	9403.0	7474.3	4872.2	4100.8	3963.7
42.5°	9867.3	6504.3	3925.2	3407.8	3262.0
45°	10103.9	5268.0	3110.3	2736.9	2621.9
47.5°	10011.8	4089.3	2465.8	2174.7	2140.2
50°	9473.9	3019.5	1973.8	1791.4	1777.1
52.5°	8633.1	2250.6	1630.5	1517.6	1492.9
55°	7472.2	1786.3	1415.8	1312.2	1308.3
57.5°	6273.5	1517.6	1285.2	1205.0	1177.1
60°	4995.0	1353.2	1186.2	1095.6	1039.0
62.5°	3915.3	1238.2	1113.3	990.4	937.5
65°	2995.6	1130.9	1041.7	891.3	845.9
67.5°	2233.1	1028.7	954.0	787.3	760.7
70°	1627.0	923.8	854.2	700.1	679.1
72.5°	1159.6	819.1	754.2	618.3	595.2
75°	797.6	703.2	645.1	532.3	510.8
77.5°	538.1	585.1	537.6	454.4	445.4
80°	359.3	464.0	434.8	385.1	379.5
82.5°	218.1	336.8	343.2	313.2	298.0
85°	118.8	218.1	257.1	234.3	212.5
87.5°	46.5	120.8	177.2	159.1	149.8
90°	2.5	15.0	20.0	25.8	29.2
92.5°	7.5	19.2	31.7	45.0	49.2
95°	20.8	48.3	71.7	96.7	111.7
97.5°	112.5	122.5	138.3	163.3	171.7
100°	230.0	247.5	205.8	215.0	219.2
102.5°	365.8	360.8	263.3	238.3	234.2
105°	430.8	425.8	363.3	257.5	236.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	348.3	350.8	348.3	335.0	320.8
115°	300.0	300.0	300.8	298.3	293.3
117.5°	251.7	255.0	257.5	255.0	253.3
120°	210.8	215.8	217.5	214.2	214.2
122.5°	177.5	181.7	184.2	181.7	182.5
125°	146.7	152.5	155.8	154.2	155.0
127.5°	122.5	127.5	133.3	132.5	132.5
130°	106.7	110.0	114.2	115.0	115.0
132.5°	95.0	97.5	100.8	101.7	102.5
135°	85.0	87.5	90.8	91.7	91.7
137.5°	78.3	80.0	82.5	83.3	84.2
140°	71.7	74.2	75.8	76.7	76.7
142.5°	66.7	68.3	70.0	70.8	71.7
145°	62.5	64.2	65.0	65.8	66.7
147.5°	58.3	60.0	61.7	61.7	62.5
150°	55.8	56.7	57.5	58.3	58.3
152.5°	52.5	53.3	54.2	55.0	55.0
155°	50.0	50.8	51.7	52.5	52.5
157.5°	47.5	49.2	49.2	50.0	50.0
160°	45.8	46.7	47.5	47.5	47.5
162.5°	44.2	45.0	45.0	45.8	45.8
165°	43.3	43.3	44.2	44.2	44.2
167.5°	41.7	41.7	42.5	42.5	42.5
170°	40.8	40.8	40.8	41.7	41.7
172.5°	40.0	40.0	40.0	40.0	40.0
175°	39.2	39.2	39.2	39.2	39.2
177.5°	38.3	39.2	39.2	39.2	39.2
180°	38.3	38.3	38.3	38.3	38.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	433.3	435.0	400.8	310.8	257.5
110°	396.7	402.5	384.2	350.0	307.5



(END OF REPORT)