

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: P828061

Luminaire Tested: **OHBL-24SE-W-UNV-L935-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828061
REPORT IS A COMBINATION OF REPORTS P826250 AND G3-2310-221-6
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-24SE-W-UNV-L935-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

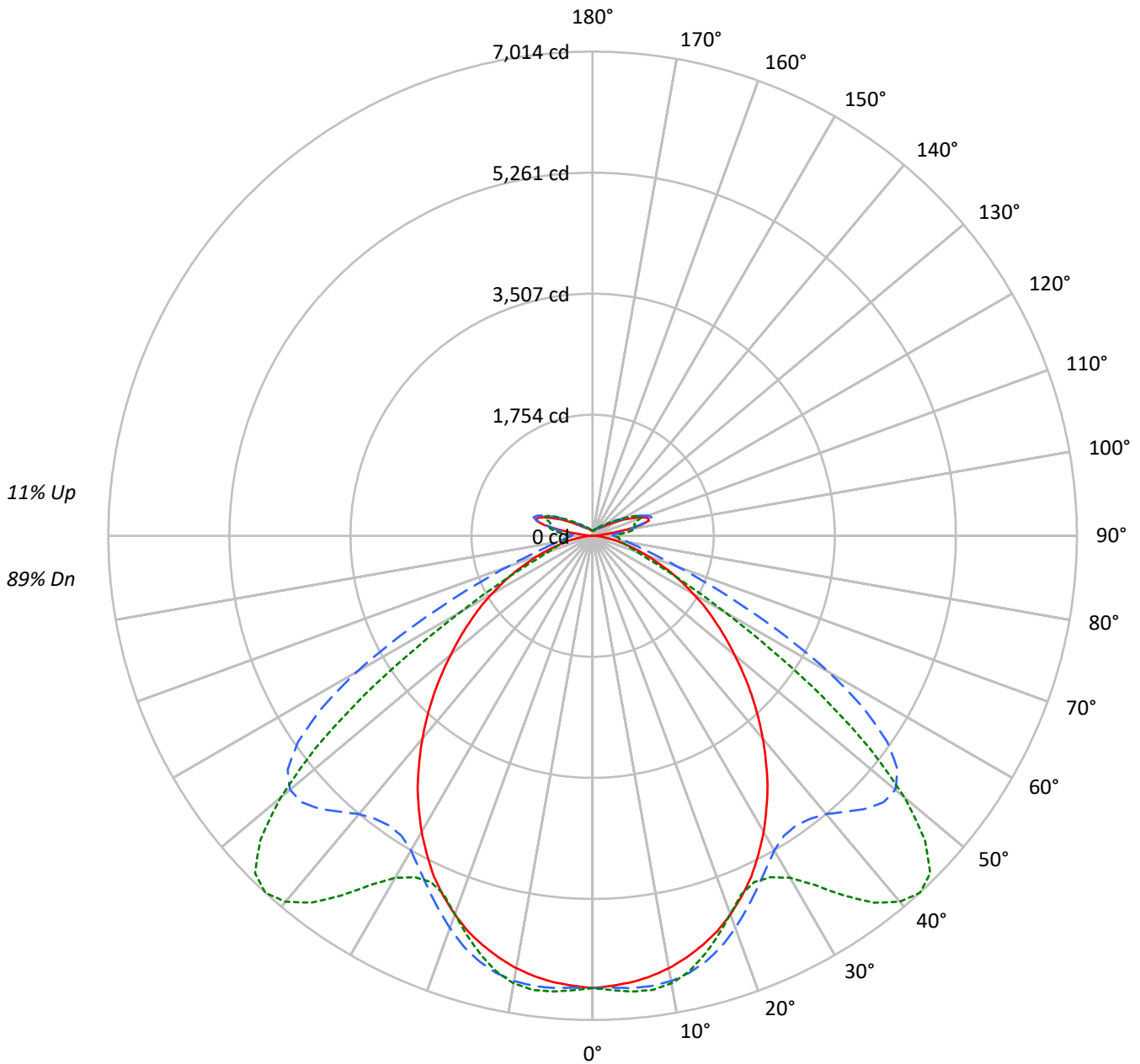
Lumens per Lamp: N/A
Luminaire Lumens: 21634.5 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 155.4
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					20					
RC	80					70					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	50	30	10	0		
RCR																										
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89								
1	107	102	98	94	103	99	95	92	92	90	87	87	84	82	81	80	78	75								
2	97	89	83	77	94	87	81	76	81	76	72	76	72	69	72	69	66	63								
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	63	59	56	53								
4	81	70	61	55	78	67	60	54	64	57	52	60	54	50	57	52	48	45								
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	46	41	39								
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	46	40	36	34								
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	42	36	32	30								
8	59	46	37	31	57	44	37	31	42	35	30	40	34	29	38	33	29	26								
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24								
10	51	38	30	25	50	37	30	25	36	29	24	34	28	24	32	27	23	21								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11191	11191	11191
5°	11033	11175	11318
10°	10841	11158	11331
15°	10577	10973	10968
20°	10236	10596	10431
25°	9799	10139	10222
30°	9238	9800	11000
35°	8608	9981	12872
40°	7889	10810	14880
45°	7142	12261	15995
50°	6370	13558	14885
55°	5643	13541	11373
60°	4906	11455	6953
65°	4135	7909	4212
70°	3278	5113	3041
75°	2405	3663	2820
80°	1624	3216	3181
85°	969	3532	5029



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	626.1	2.9
10°-20°	1772.9	8.2
20°-30°	2594.4	12.0
30°-40°	3369.4	15.6
40°-50°	4114.4	19.0
50°-60°	3623.4	16.7
60°-70°	1888.2	8.7
70°-80°	809.7	3.7
80°-90°	394.0	1.8
90°-100°	375.9	1.7
100°-110°	784.3	3.6
110°-120°	642.5	3.0
120°-130°	312.5	1.4
130°-140°	156.4	0.7
140°-150°	88.9	0.4
150°-160°	49.7	0.2
160°-170°	24.2	0.1
170°-180°	7.4	0.0
0°-30°	4993.5	23.1
0°-40°	8362.8	38.7
0°-60°	16100.7	74.4
0°-90°	19192.6	88.7
90°-120°	1802.7	8.3
90°-150°	2360.6	10.9
90°-180°	2442.0	11.3
0°-180°	21634.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6552	6552	6552	6552	6552	
5°	6491	6541	6576	6634	6627	616
15°	6142	6314	6375	6327	6276	1729
25°	5442	5733	5636	5530	5536	2498
35°	4417	4884	5128	5981	6364	2753
45°	3253	4092	5594	6772	6914	2508
55°	2166	3585	5209	4567	4060	1944
65°	1242	2484	2385	1326	1141	1229
75°	500	1162	766	524	498	546
85°	106	414	390	382	386	118
90°	6	178	296	346	359	10
95°	47	180	348	430	462	139
105°	842	876	836	661	623	799
115°	585	611	664	681	679	590
125°	292	311	351	364	363	273
135°	175	178	198	216	219	138
145°	132	133	137	146	150	84
155°	108	110	108	109	109	49
165°	83	84	85	85	85	24
175°	75	76	76	77	77	7
180°	75	75	75	75	75	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6551.9	6551.9	6551.9	6551.9	6551.9
2.5°	6523.6	6551.9	6553.3	6592.9	6588.7
5°	6491.1	6540.6	6575.9	6633.8	6626.8
7.5°	6437.4	6515.2	6577.3	6640.9	6635.2
10°	6361.1	6467.1	6549.1	6601.3	6584.4
12.5°	6262.1	6402.1	6482.6	6493.9	6461.4
15°	6141.9	6314.4	6375.2	6327.2	6276.2
17.5°	6006.2	6208.4	6229.6	6125.0	6061.4
20°	5836.6	6067.0	6045.8	5901.7	5831.0
22.5°	5648.6	5911.5	5843.7	5692.4	5624.6
25°	5442.2	5733.4	5635.9	5529.9	5535.5
27.5°	5200.5	5531.2	5436.6	5484.7	5575.1
30°	4954.6	5319.3	5261.3	5541.2	5719.3
32.5°	4684.6	5101.6	5153.8	5706.6	5997.8
35°	4417.4	4883.9	5128.4	5980.8	6363.9
37.5°	4122.0	4663.3	5169.4	6297.4	6698.9
40°	3835.0	4448.5	5262.8	6581.6	6920.8
42.5°	3542.4	4256.2	5419.6	6749.8	7014.1
45°	3252.6	4092.2	5593.5	6772.4	6913.8
47.5°	2962.8	3953.8	5713.7	6592.9	6527.8
50°	2682.9	3830.8	5722.1	6161.8	5896.0
52.5°	2421.4	3717.7	5566.7	5474.8	5062.0
55°	2165.6	3584.8	5209.0	4567.2	4059.8
57.5°	1932.3	3401.1	4657.7	3591.9	3037.8
60°	1685.0	3152.2	3945.3	2627.8	2191.0
62.5°	1457.4	2842.7	3146.6	1829.2	1574.8
65°	1242.5	2483.7	2384.7	1325.9	1140.8
67.5°	1014.9	2111.8	1759.9	966.9	848.2
70°	836.8	1767.0	1310.4	752.0	682.8
72.5°	654.5	1439.0	979.6	610.7	572.5
75°	500.4	1161.9	766.2	524.4	497.6
77.5°	368.9	918.8	616.3	463.7	438.2
80°	258.7	723.8	515.9	414.2	404.3
82.5°	173.8	559.8	439.6	394.4	395.8
85°	106.0	414.2	390.2	381.7	385.9
87.5°	50.9	294.0	335.0	347.8	352.0
90°	5.6	178.2	296.4	345.7	358.6
92.5°	14.2	152.0	286.2	347.9	365.8
95°	47.0	180.2	348.3	430.3	462.3
97.5°	227.0	314.6	444.6	536.3	568.1
100°	464.3	550.5	558.2	616.0	627.8
102.5°	715.1	761.8	662.0	639.8	635.9
105°	841.5	876.2	836.2	660.6	622.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	681.8	717.3	763.3	763.9	740.1
115°	585.2	610.8	664.5	681.2	679.0
117.5°	503.2	519.6	569.6	585.8	588.0
120°	418.2	438.7	487.2	500.0	496.4
122.5°	352.4	369.5	412.7	426.5	422.9
125°	291.6	310.8	350.6	363.8	362.8
127.5°	246.8	259.1	298.5	313.5	314.1
130°	216.0	222.7	256.4	271.4	275.1
132.5°	192.7	198.5	224.1	241.6	243.6
135°	175.2	178.5	198.4	215.7	218.8
137.5°	161.0	163.5	178.4	195.0	197.8
140°	148.5	151.8	161.7	177.4	179.7
142.5°	139.1	141.0	148.6	161.5	162.9
145°	132.2	132.7	136.6	145.9	149.5
147.5°	124.7	126.6	128.2	135.6	137.0
150°	118.8	120.5	120.2	123.8	127.5
152.5°	113.0	114.7	114.3	115.2	118.0
155°	108.0	109.7	108.5	109.3	109.3
157.5°	92.5	94.2	95.8	96.7	96.7
160°	89.2	90.0	91.7	92.5	92.5
162.5°	85.8	86.7	87.5	88.3	88.3
165°	83.3	84.2	85.0	85.0	85.0
167.5°	80.8	80.8	81.7	82.5	82.5
170°	78.3	79.2	79.2	80.0	80.0
172.5°	76.7	77.5	77.5	77.5	78.3
175°	75.0	75.8	75.8	76.7	76.7
177.5°	75.0	75.0	75.0	75.0	75.0
180°	75.0	75.0	75.0	75.0	75.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	846.2	886.3	896.2	750.2	651.4
110°	781.2	819.8	848.8	807.3	728.4



(END OF REPORT)