

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: P828062

Luminaire Tested: **OHBL-24SE-W-UNV-L935-CD-UPL36**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828062
REPORT IS A COMBINATION OF REPORTS P826310 AND G3-2310-221-2
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-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

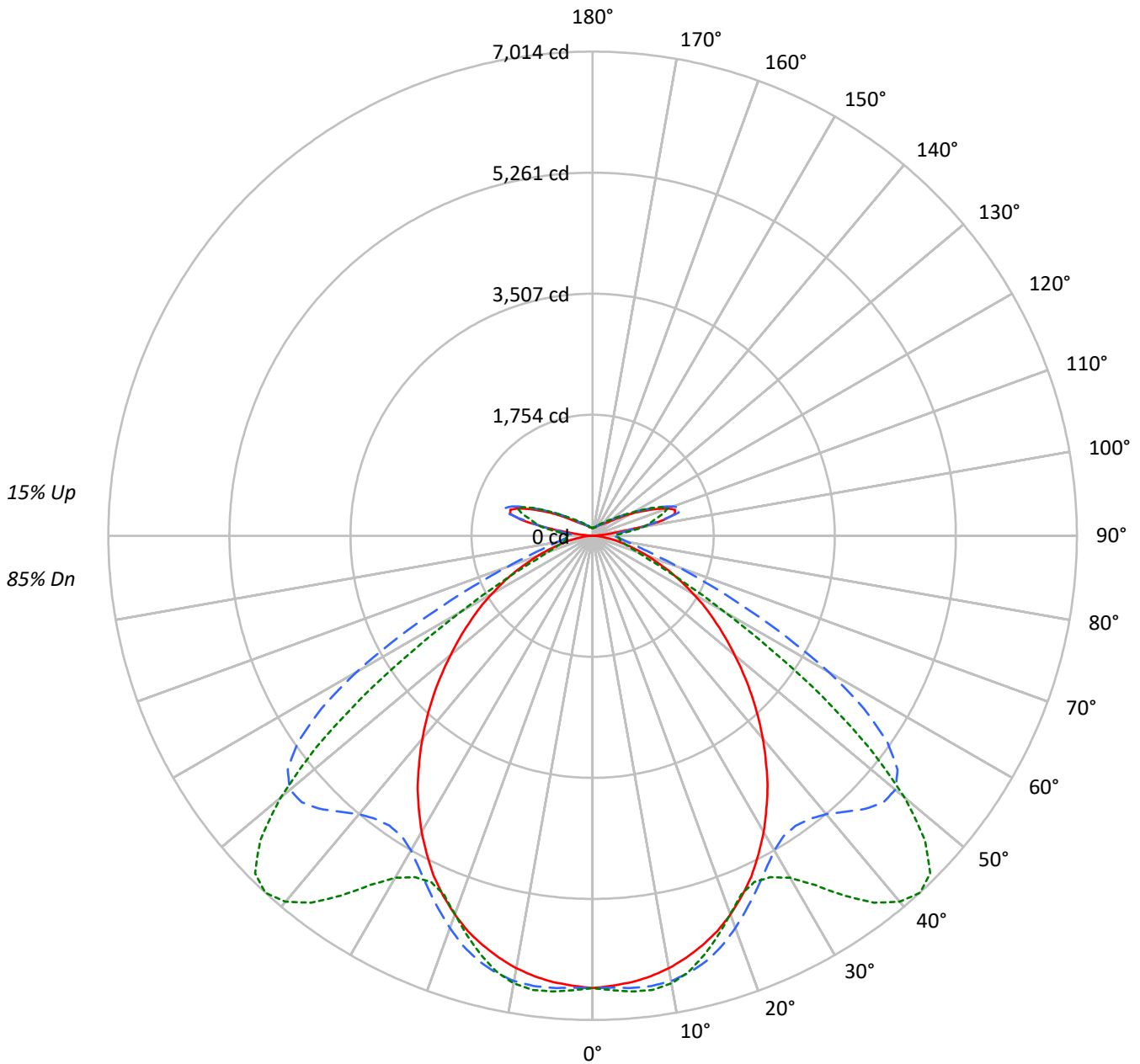
Lumens per Lamp: N/A
Luminaire Lumens: 22602.6 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 166.8
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	0
RCR																					
0	115	115	115	115	111	111	111	111	103	103	103	95	95	95	88	88	88	85			
1	106	101	97	94	102	98	94	91	91	88	85	84	82	80	78	77	75	72			
2	96	89	82	77	92	85	80	75	80	75	71	74	70	67	69	66	63	60			
3	88	78	70	64	84	75	68	62	70	64	59	65	61	56	61	57	54	51			
4	80	69	60	54	77	67	59	53	62	56	51	58	53	48	54	50	46	43			
5	74	61	53	46	71	59	51	45	56	49	43	52	46	42	49	44	40	37			
6	68	55	46	40	65	53	45	39	50	43	38	47	41	36	44	39	35	33			
7	63	50	41	35	60	48	40	35	45	38	33	43	37	32	40	35	31	29			
8	58	45	37	31	56	44	36	31	41	34	30	39	33	28	37	31	27	25			
9	54	41	33	28	52	40	32	27	38	31	26	36	30	25	34	28	25	23			
10	51	38	30	25	49	37	30	25	35	28	24	33	27	23	31	26	22	20			

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	2.8
10°-20°	1772.9	7.8
20°-30°	2594.4	11.5
30°-40°	3369.4	14.9
40°-50°	4114.4	18.2
50°-60°	3623.4	16.0
60°-70°	1888.2	8.4
70°-80°	809.7	3.6
80°-90°	395.3	1.7
90°-100°	411.9	1.8
100°-110°	1152.0	5.1
110°-120°	926.6	4.1
120°-130°	443.2	2.0
130°-140°	224.3	1.0
140°-150°	129.2	0.6
150°-160°	73.7	0.3
160°-170°	36.7	0.2
170°-180°	11.2	0.0
0°-30°	4993.5	22.1
0°-40°	8362.8	37.0
0°-60°	16100.7	71.2
0°-90°	19193.9	84.9
90°-120°	2490.5	11.0
90°-150°	3287.2	14.5
90°-180°	3409.0	15.1
0°-180°	22602.6	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°	8	191	310	354	362	12
95°	54	191	342	415	436	194
105°	1236	1278	1288	1019	938	1176
115°	867	875	935	960	954	876
125°	432	452	496	502	495	406
135°	258	264	285	303	305	204
145°	193	194	200	211	214	123
155°	158	160	160	162	162	72
165°	126	128	128	129	130	36
175°	115	115	116	116	117	11
180°	113	113	113	113	113	



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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°	8.1	190.7	309.8	354.0	361.9
92.5°	20.8	164.5	290.3	342.9	355.0
95°	54.5	191.0	342.5	415.3	435.7
97.5°	314.5	407.1	474.6	568.0	592.3
100°	673.4	748.8	696.5	736.0	756.9
102.5°	1052.6	1117.7	987.0	873.1	850.9
105°	1236.5	1277.8	1287.9	1018.9	938.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1016.8	1044.8	1095.0	1111.4	1087.6
115°	866.8	874.9	935.3	959.5	954.0
117.5°	744.1	751.2	804.6	818.2	810.5
120°	627.4	638.7	688.0	693.3	688.1
122.5°	521.6	540.3	584.3	591.5	582.1
125°	432.4	451.7	495.6	502.2	495.2
127.5°	371.0	377.4	420.2	430.2	431.6
130°	320.2	326.8	361.4	377.2	378.4
132.5°	285.2	291.8	319.9	336.6	341.9
135°	258.5	264.3	285.1	303.2	305.4
137.5°	236.8	241.8	256.8	275.0	278.7
140°	218.5	223.5	234.2	251.6	253.0
142.5°	204.9	208.5	216.9	230.7	232.1
145°	193.0	194.3	199.9	210.9	214.5
147.5°	183.0	184.9	189.1	195.6	197.8
150°	173.8	176.3	176.8	181.3	185.0
152.5°	165.5	168.0	168.5	169.3	173.0
155°	158.0	160.5	160.2	161.8	161.8
157.5°	140.0	142.5	145.0	145.8	145.8
160°	135.0	136.7	139.2	139.2	140.0
162.5°	130.0	131.7	133.3	134.2	135.0
165°	125.8	127.5	128.3	129.2	130.0
167.5°	122.5	123.3	124.2	125.0	125.0
170°	119.2	120.0	120.8	120.8	121.7
172.5°	116.7	117.5	118.3	118.3	118.3
175°	115.0	115.0	115.8	115.8	116.7
177.5°	113.3	114.2	114.2	114.2	115.0
180°	113.3	113.3	113.3	113.3	113.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1249.6	1288.8	1333.8	1212.8	<i>1070.6</i>
110°	1153.8	1195.7	1242.9	1218.1	<i>1155.1</i>



(END OF REPORT)