

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: P828060

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828060
REPORT IS A COMBINATION OF REPORTS P826082 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-W-UNV-L935-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

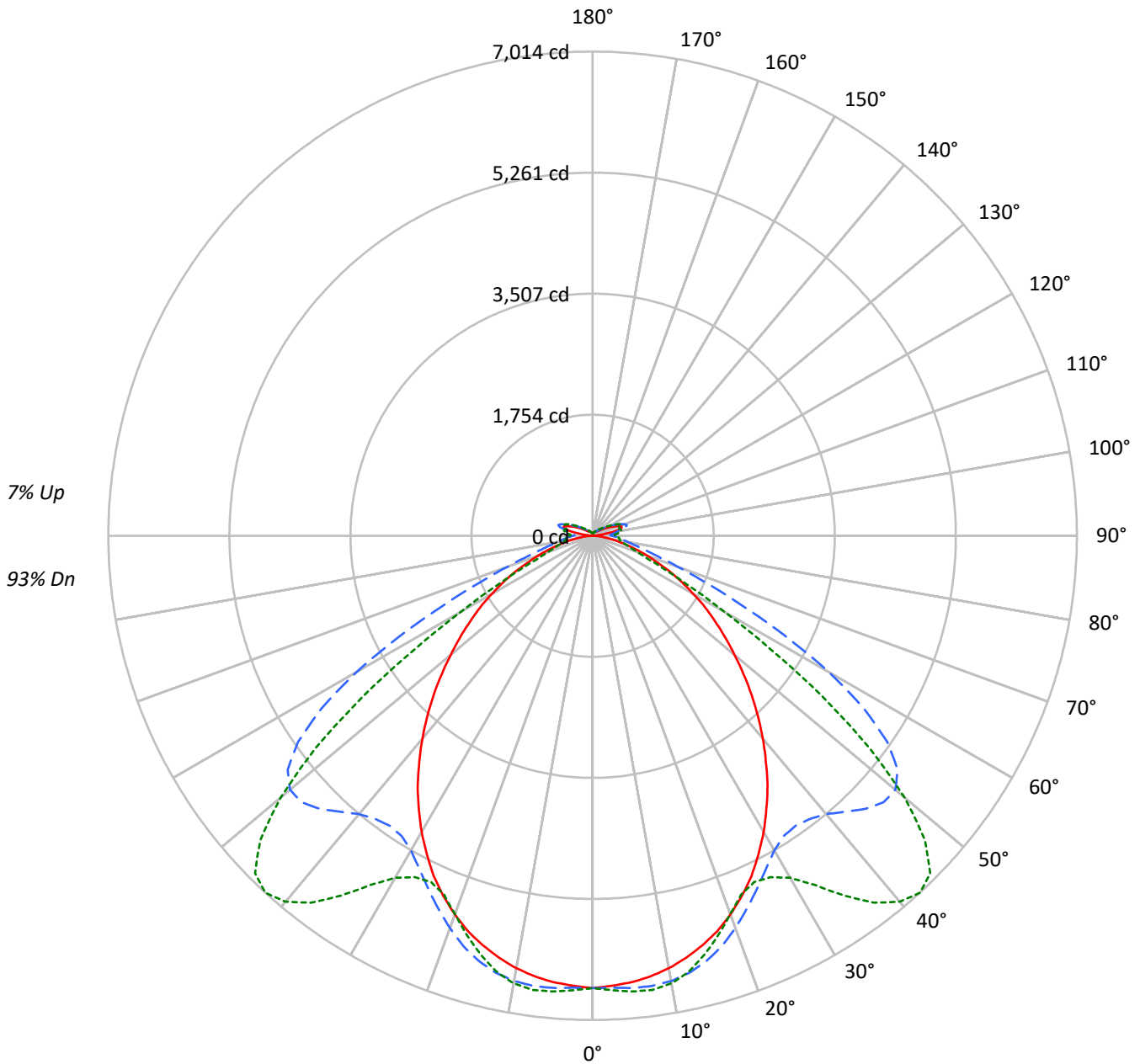
Lumens per Lamp: N/A
Luminaire Lumens: 20655.3 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93																			
1	108	103	99	95	104	100	96	93	95	92	89	89	87	85	85	83	81	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	71	69	66																			
3	90	79	71	65	86	77	70	64	73	67	62	70	64	60	66	62	58	56																			
4	82	70	62	55	79	68	60	54	65	58	53	62	56	51	59	54	50	48																			
5	75	63	54	47	73	61	53	47	58	51	45	55	49	44	53	48	43	41																			
6	69	56	47	41	67	55	47	41	52	45	40	50	44	39	48	42	38	36																			
7	64	51	42	36	62	50	41	36	47	40	35	45	39	34	43	38	33	31																			
8	59	46	38	32	58	45	37	32	43	36	31	41	35	30	40	34	30	28																			
9	55	42	34	28	54	41	34	28	40	33	28	38	32	27	37	31	27	25																			
10	52	39	31	26	50	38	30	25	36	30	25	35	29	25	34	28	24	22																			

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	3.0
10°-20°	1772.9	8.6
20°-30°	2594.4	12.6
30°-40°	3369.4	16.3
40°-50°	4114.4	19.9
50°-60°	3623.4	17.5
60°-70°	1888.2	9.1
70°-80°	809.7	3.9
80°-90°	391.5	1.9
90°-100°	281.8	1.4
100°-110°	458.5	2.2
110°-120°	363.4	1.8
120°-130°	178.5	0.9
130°-140°	89.4	0.4
140°-150°	50.1	0.2
150°-160°	27.2	0.1
160°-170°	12.5	0.1
170°-180°	3.8	0.0
0°-30°	4993.5	24.2
0°-40°	8362.8	40.5
0°-60°	16100.7	77.9
0°-90°	19190.1	92.9
90°-120°	1103.8	5.3
90°-150°	1421.7	6.9
90°-180°	1465.0	7.1
0°-180°	20655.3	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°	4	165	277	320	330	9
95°	24	136	277	337	359	71
105°	436	475	496	417	399	414
115°	308	328	383	399	396	309
125°	157	167	204	216	219	145
135°	94	96	113	130	131	74
145°	74	73	75	84	88	46
155°	61	62	60	61	61	27
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°	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°	3.9	164.8	277.2	319.8	330.2
92.5°	7.5	133.7	257.8	307.9	319.2
95°	23.7	136.0	276.7	337.0	359.0
97.5°	115.3	194.6	322.1	383.8	396.4
100°	234.3	309.7	369.8	414.3	422.8
102.5°	370.1	416.0	410.3	416.4	415.1
105°	436.5	475.3	496.2	417.2	399.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	356.8	384.8	441.7	448.1	436.8
115°	308.5	328.2	382.8	398.7	396.5
117.5°	261.6	280.4	329.6	344.1	343.8
120°	220.8	237.0	279.7	293.3	294.8
122.5°	187.4	198.7	239.3	252.3	254.6
125°	156.6	166.7	203.9	216.3	218.6
127.5°	131.0	137.4	174.3	187.7	189.1
130°	115.2	118.5	148.1	163.1	165.9
132.5°	103.5	106.0	129.1	144.1	147.8
135°	93.5	96.0	113.4	129.8	131.2
137.5°	86.8	88.5	100.9	115.8	119.5
140°	80.2	82.7	90.0	104.9	106.3
142.5°	76.6	76.8	82.8	94.8	97.1
145°	73.8	72.7	74.9	84.2	87.8
147.5°	69.7	69.9	71.6	77.2	79.5
150°	67.2	68.0	66.0	69.7	72.5
152.5°	63.8	64.7	62.7	63.5	66.3
155°	61.3	62.2	60.2	61.0	61.0
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°	440.4	478.8	519.6	453.6	403.1
110°	403.8	440.7	488.8	477.3	437.6



(END OF REPORT)