

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: P827958

Luminaire Tested: **OHBL-12SE-MCL-UNV-L935-CD-UPL18**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P827958
REPORT IS A COMBINATION OF REPORTS P826150 AND G3-2310-221-8
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-12SE-MCL-UNV-L935-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

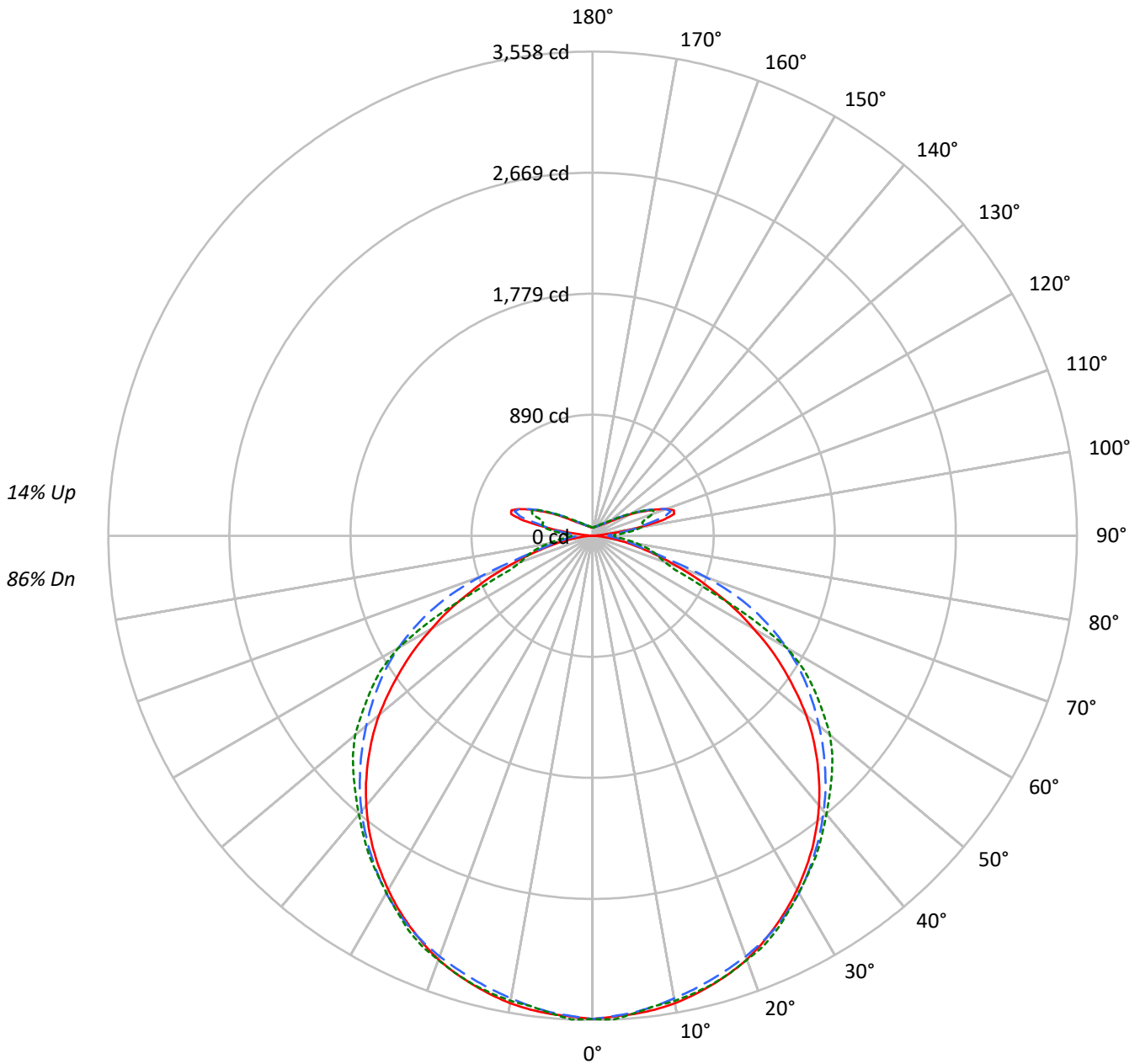
Lumens per Lamp: N/A
Luminaire Lumens: 11528.3 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 82.3
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	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	86																			
1	106	101	97	94	102	98	94	91	91	88	85	85	83	80	79	77	76	73																			
2	97	89	82	77	93	86	80	75	80	75	71	75	71	67	70	67	64	61																			
3	88	78	70	64	84	75	68	62	70	64	60	66	61	57	62	58	54	52																			
4	81	69	61	54	77	67	59	53	63	56	51	59	53	49	55	50	47	44																			
5	74	62	53	47	71	60	52	46	56	49	44	53	47	42	49	45	41	38																			
6	68	55	47	40	66	54	46	40	51	44	38	48	42	37	45	40	36	33																			
7	63	50	42	36	61	49	41	35	46	39	34	43	37	33	41	36	32	29																			
8	59	46	37	32	57	44	37	31	42	35	30	40	34	29	37	32	28	26																			
9	55	42	34	28	53	41	33	28	39	32	27	36	31	26	35	29	25	24																			
10	51	38	31	26	49	37	30	25	36	29	25	34	28	24	32	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11553	11553	11553
5°	11332	11317	11457
10°	11149	11079	11378
15°	10938	10886	11350
20°	10727	10741	11300
25°	10454	10593	11253
30°	10167	10398	11096
35°	9849	10127	11038
40°	9475	9846	10943
45°	9015	9529	10946
50°	8446	9173	10947
55°	7653	8813	10641
60°	6684	8323	9957
65°	5506	7510	6409
70°	4200	5723	4749
75°	2912	3285	4977
80°	1789	2592	5018
85°	802	2164	5277



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.8	2.9
10°-20°	960.1	8.3
20°-30°	1466.4	12.7
30°-40°	1779.3	15.4
40°-50°	1864.8	16.2
50°-60°	1689.8	14.7
60°-70°	1132.9	9.8
70°-80°	508.7	4.4
80°-90°	188.4	1.6
90°-100°	198.3	1.7
100°-110°	521.8	4.5
110°-120°	438.9	3.8
120°-130°	211.7	1.8
130°-140°	107.1	0.9
140°-150°	62.7	0.5
150°-160°	37.1	0.3
160°-170°	19.6	0.2
170°-180°	6.0	0.1
0°-30°	2761.4	24.0
0°-40°	4540.6	39.4
0°-60°	8095.2	70.2
0°-90°	9925.3	86.1
90°-120°	1158.9	10.1
90°-150°	1540.4	13.4
90°-180°	1603.0	13.9
0°-180°	11528.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3551	3551	3551	3551	3551	
5°	3528	3540	3516	3526	3522	336
15°	3413	3400	3376	3406	3410	964
25°	3171	3157	3179	3208	3199	1462
35°	2811	2817	2846	2876	2865	1757
45°	2333	2371	2415	2476	2484	1797
55°	1716	1799	1922	1999	1994	1532
65°	1007	1165	1323	1116	911	1004
75°	396	575	423	433	461	433
85°	68	131	168	203	213	83
90°	4	64	115	146	156	6
95°	32	96	167	212	234	100
105°	620	624	551	403	376	588
115°	432	439	447	446	446	435
125°	212	222	233	234	233	200
135°	128	131	136	140	141	101
145°	95	97	99	101	101	60
155°	77	79	80	81	80	36
165°	67	68	68	69	69	19
175°	62	62	62	61	61	6
180°	61	61	61	61	61	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3551.0	3551.0	3551.0	3551.0	3551.0
2.5°	3536.6	3551.5	3533.0	3553.0	3558.2
5°	3527.9	3540.2	3515.6	3526.3	3521.8
7.5°	3512.0	3516.1	3486.8	3495.5	3486.2
10°	3488.3	3486.2	3451.9	3468.8	3470.9
12.5°	3453.4	3447.2	3416.5	3442.2	3442.7
15°	3413.4	3400.0	3375.9	3405.7	3409.8
17.5°	3367.2	3349.8	3333.8	3372.3	3366.2
20°	3313.2	3292.8	3289.7	3331.8	3316.3
22.5°	3246.5	3230.6	3237.8	3277.8	3268.1
25°	3171.0	3157.2	3179.2	3208.5	3199.2
27.5°	3091.4	3083.2	3108.4	3131.0	3113.0
30°	3004.2	2999.6	3032.9	3051.4	3028.8
32.5°	2909.2	2910.8	2942.6	2967.8	2946.7
35°	2810.6	2817.2	2846.0	2876.3	2865.0
37.5°	2702.2	2717.2	2745.9	2780.3	2768.5
40°	2587.8	2609.3	2641.2	2682.8	2672.0
42.5°	2464.0	2491.2	2532.3	2578.5	2577.5
45°	2332.6	2370.6	2414.8	2476.3	2484.1
47.5°	2196.0	2238.6	2294.6	2376.8	2388.6
50°	2047.6	2101.0	2170.8	2269.4	2276.6
52.5°	1882.2	1955.2	2047.6	2142.1	2133.3
55°	1716.4	1799.1	1921.8	1998.8	1994.2
57.5°	1551.1	1644.1	1792.9	1847.9	1847.3
60°	1366.2	1483.8	1646.6	1688.2	1647.2
62.5°	1195.3	1321.6	1490.5	1460.2	1319.6
65°	1007.4	1165.0	1322.7	1116.2	911.3
67.5°	840.5	1004.8	1123.4	764.5	654.7
70°	672.6	853.8	875.9	567.3	559.7
72.5°	523.8	716.8	604.3	485.8	510.3
75°	396.4	575.1	423.1	432.8	461.1
77.5°	289.1	441.6	329.1	379.4	402.5
80°	198.7	312.7	268.5	318.8	334.8
82.5°	124.8	206.4	215.2	256.8	273.2
85°	68.3	130.9	167.9	202.8	212.6
87.5°	28.2	79.1	128.3	156.6	164.8
90°	3.8	64.5	115.1	146.3	155.7
92.5°	11.3	60.8	116.7	151.2	161.4
95°	32.2	95.6	167.1	211.6	233.6
97.5°	163.5	199.1	248.2	295.1	310.5
100°	336.5	369.7	336.6	359.5	366.0
102.5°	526.2	537.8	413.2	383.8	380.3
105°	619.6	623.5	550.9	402.9	376.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	505.2	512.2	512.4	503.8	483.9
115°	431.6	438.7	446.6	445.7	445.8
117.5°	368.2	371.8	381.2	382.6	384.4
120°	308.2	314.6	324.7	324.7	323.6
122.5°	258.2	265.8	275.6	275.7	274.5
125°	211.9	222.4	233.4	234.1	233.0
127.5°	180.8	188.2	199.9	200.6	199.4
130°	157.4	163.8	171.3	174.2	175.1
132.5°	142.1	145.2	151.7	154.6	156.2
135°	127.9	131.0	135.7	139.9	141.2
137.5°	117.7	120.2	123.5	127.7	129.1
140°	108.5	111.0	112.9	116.7	118.0
142.5°	100.4	103.5	105.4	107.8	109.2
145°	94.6	96.8	99.3	100.7	101.2
147.5°	89.3	91.0	92.7	94.3	94.8
150°	84.3	86.0	87.7	88.5	89.3
152.5°	81.0	81.8	83.5	84.3	84.3
155°	76.8	79.0	79.8	80.7	80.2
157.5°	74.3	75.7	76.5	77.3	77.3
160°	71.8	72.3	73.2	74.0	74.0
162.5°	69.8	69.8	70.7	71.5	71.5
165°	67.3	68.2	68.2	69.0	69.0
167.5°	65.7	66.2	66.5	66.5	67.3
170°	64.0	64.0	64.8	64.3	64.3
172.5°	62.3	63.2	63.2	62.7	62.7
175°	61.5	61.5	61.8	61.2	61.2
177.5°	61.2	61.5	61.0	60.4	59.9
180°	61.0	61.0	61.0	61.0	61.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	625.9	633.1	600.2	477.0	405.5
110°	573.9	585.8	573.6	528.2	471.7



(END OF REPORT)