

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: P827545

Luminaire Tested: **OHB-15SE-W-UNV-L930-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827545
REPORT IS A COMBINATION OF REPORTS P826094 AND G3-2310-221-10
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-15SE-W-UNV-L930-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

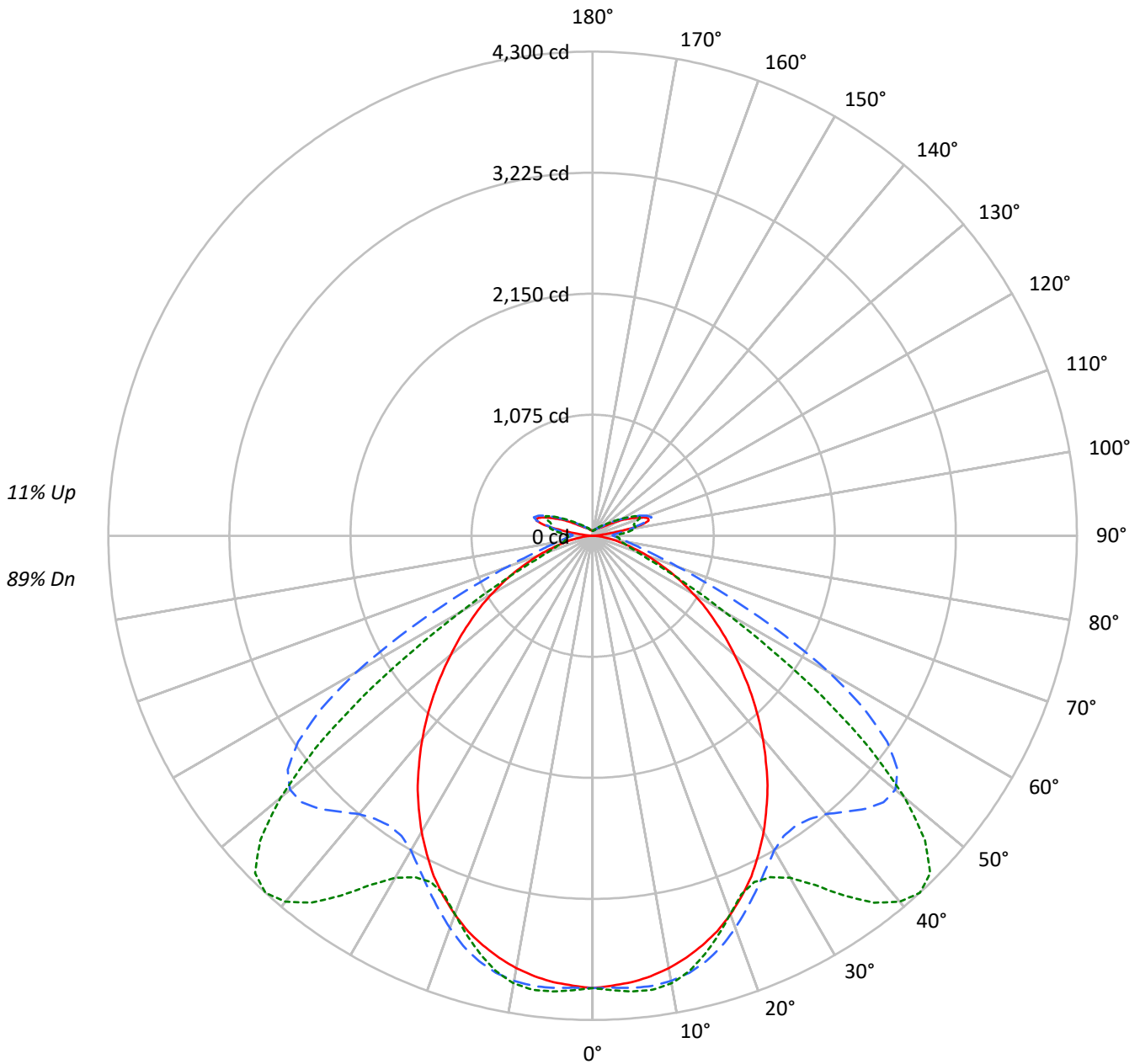
Lumens per Lamp: N/A
Luminaire Lumens: 13254.4 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 107.4
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				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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89				89
1	107	102	98	94	103	99	95	92	92	90	87	87	84	82	81	80	78	75				75
2	97	89	83	77	94	87	81	76	81	76	72	76	72	69	72	69	66	63				63
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	64	59	56	53				53
4	81	70	61	55	78	67	60	54	64	57	52	60	54	50	57	52	48	45				45
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	46	42	39				39
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	46	40	36	34				34
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	42	36	32	30				30
8	59	46	37	31	57	44	37	31	42	35	30	40	34	29	38	33	29	27				27
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24				24
10	51	38	31	25	50	37	30	25	36	29	24	34	28	24	32	27	23	21				21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25557	25557	25557
5°	25000	25315	25754
10°	24377	25075	25690
15°	23599	24463	24773
20°	22657	23428	23468
25°	21512	22229	22904
30°	20105	21292	24539
35°	18560	21478	28579
40°	16836	23019	32864
45°	15072	25806	35112
50°	13269	28158	32446
55°	11578	27687	24582
60°	9884	22987	14872
65°	8142	15505	8886
70°	6265	9719	6296
75°	4408	6674	5675
80°	2793	5493	6098
85°	1493	5395	8699



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.8	2.9
10°-20°	1086.9	8.2
20°-30°	1590.5	12.0
30°-40°	2065.6	15.6
40°-50°	2522.3	19.0
50°-60°	2221.3	16.8
60°-70°	1157.5	8.7
70°-80°	496.4	3.7
80°-90°	241.5	1.8
90°-100°	229.7	1.7
100°-110°	477.5	3.6
110°-120°	391.6	3.0
120°-130°	190.6	1.4
130°-140°	95.3	0.7
140°-150°	54.2	0.4
150°-160°	30.4	0.2
160°-170°	14.8	0.1
170°-180°	4.5	0.0
0°-30°	3061.2	23.1
0°-40°	5126.8	38.7
0°-60°	9870.4	74.5
0°-90°	11765.8	88.8
90°-120°	1098.9	8.3
90°-150°	1438.9	10.9
90°-180°	1489.0	11.2
0°-180°	13254.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4017	4017	4017	4017	4017	
5°	3979	4010	4031	4067	4062	377
15°	3765	3871	3908	3879	3848	1060
25°	3336	3515	3455	3390	3394	1531
35°	2708	2994	3144	3666	3901	1688
45°	1994	2509	3429	4152	4238	1538
55°	1328	2198	3193	2800	2489	1191
65°	762	1523	1462	813	699	754
75°	307	712	470	322	305	335
85°	65	254	239	234	237	72
90°	3	110	181	211	219	6
95°	24	112	212	262	285	82
105°	515	535	512	402	378	488
115°	358	370	406	416	410	361
125°	177	189	214	222	222	166
135°	106	109	121	132	133	84
145°	80	80	83	90	91	51
155°	66	67	67	67	67	30
165°	51	51	52	52	52	15
175°	46	46	46	47	47	4
180°	46	46	46	46	46	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4016.6	4016.6	4016.6	4016.6	4016.6
2.5°	3999.2	4016.6	4017.5	4041.7	4039.2
5°	3979.3	4009.7	4031.3	4066.9	4062.5
7.5°	3946.4	3994.1	4032.2	4071.2	4067.7
10°	3899.6	3964.6	4014.8	4046.9	4036.5
12.5°	3838.9	3924.7	3974.1	3981.0	3961.2
15°	3765.3	3871.0	3908.3	3878.8	3847.6
17.5°	3682.1	3806.0	3819.1	3754.9	3715.9
20°	3578.1	3719.4	3706.4	3617.9	3574.6
22.5°	3462.8	3624.0	3582.5	3489.7	3448.1
25°	3336.3	3514.9	3455.1	3390.1	3393.5
27.5°	3188.1	3391.0	3332.8	3362.3	3417.8
30°	3037.4	3260.9	3225.4	3397.0	3506.1
32.5°	2871.8	3127.5	3159.5	3498.4	3676.9
35°	2708.1	2994.1	3143.9	3666.5	3901.3
37.5°	2526.9	2858.8	3169.1	3860.6	4106.7
40°	2351.0	2727.2	3226.3	4034.8	4242.8
42.5°	2171.7	2609.3	3322.5	4137.9	4299.9
45°	1994.0	2508.7	3429.0	4151.8	4238.4
47.5°	1816.3	2423.8	3502.8	4041.7	4001.9
50°	1644.8	2348.5	3507.9	3777.4	3614.5
52.5°	1484.4	2279.1	3412.6	3356.3	3103.2
55°	1327.6	2197.6	3193.3	2799.9	2488.8
57.5°	1184.6	2085.0	2855.4	2202.0	1862.2
60°	1033.0	1932.5	2418.6	1611.0	1343.2
62.5°	893.5	1742.7	1929.0	1121.3	965.4
65°	761.7	1522.6	1462.0	812.9	699.3
67.5°	622.2	1294.7	1078.9	592.8	519.9
70°	513.0	1083.2	803.3	461.0	418.6
72.5°	401.3	882.2	600.5	374.3	351.0
75°	306.8	712.3	469.7	321.5	305.1
77.5°	226.2	563.2	377.8	284.2	268.6
80°	158.6	443.7	316.3	253.9	247.8
82.5°	106.6	343.1	269.5	241.8	242.7
85°	65.0	253.9	239.2	234.0	236.6
87.5°	31.2	180.3	205.4	213.2	215.7
90°	3.3	109.6	181.1	211.0	219.3
92.5°	8.1	92.8	175.8	212.9	225.4
95°	24.3	112.0	212.1	262.1	285.0
97.5°	135.9	195.4	277.6	325.1	342.3
100°	275.0	332.4	342.2	376.0	384.3
102.5°	440.7	457.4	403.0	390.5	387.4
105°	515.2	534.7	511.5	401.8	378.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	416.6	437.9	467.1	464.6	451.8
115°	357.6	369.7	405.9	415.6	410.1
117.5°	308.4	316.3	348.1	356.9	356.2
120°	258.3	268.4	294.4	303.1	303.2
122.5°	214.6	225.4	252.8	260.0	260.0
125°	176.6	188.9	214.5	221.6	221.6
127.5°	150.7	157.2	182.8	191.4	190.7
130°	131.3	135.3	155.8	165.2	167.0
132.5°	117.5	120.8	136.9	146.5	149.0
135°	106.2	109.4	120.6	131.7	133.4
137.5°	98.1	99.7	109.0	118.6	121.1
140°	90.0	92.5	98.4	107.8	109.5
142.5°	85.3	86.0	90.2	98.8	99.7
145°	80.5	80.3	82.9	89.6	91.4
147.5°	76.5	77.2	78.8	82.3	84.0
150°	72.4	74.0	73.1	75.7	77.4
152.5°	69.2	70.0	69.8	69.8	72.4
155°	66.0	66.8	66.6	66.6	67.4
157.5°	56.6	57.4	58.2	59.0	59.0
160°	54.2	55.0	55.8	55.8	56.6
162.5°	52.5	53.4	53.4	54.2	54.2
165°	50.9	50.9	51.7	51.7	51.7
167.5°	49.3	49.3	50.1	50.1	50.9
170°	47.7	48.5	48.5	48.5	49.3
172.5°	46.9	46.9	47.7	47.7	47.7
175°	46.1	46.1	46.1	46.9	46.9
177.5°	45.3	46.1	46.1	46.1	46.1
180°	46.1	46.1	46.1	46.1	46.1



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	516.0	539.3	547.3	452.9	395.6
110°	476.4	499.5	519.2	491.9	443.5



(END OF REPORT)