

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: P828445

Luminaire Tested: **OHB-15SE-W-UNV-L950-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828445
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-L950-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

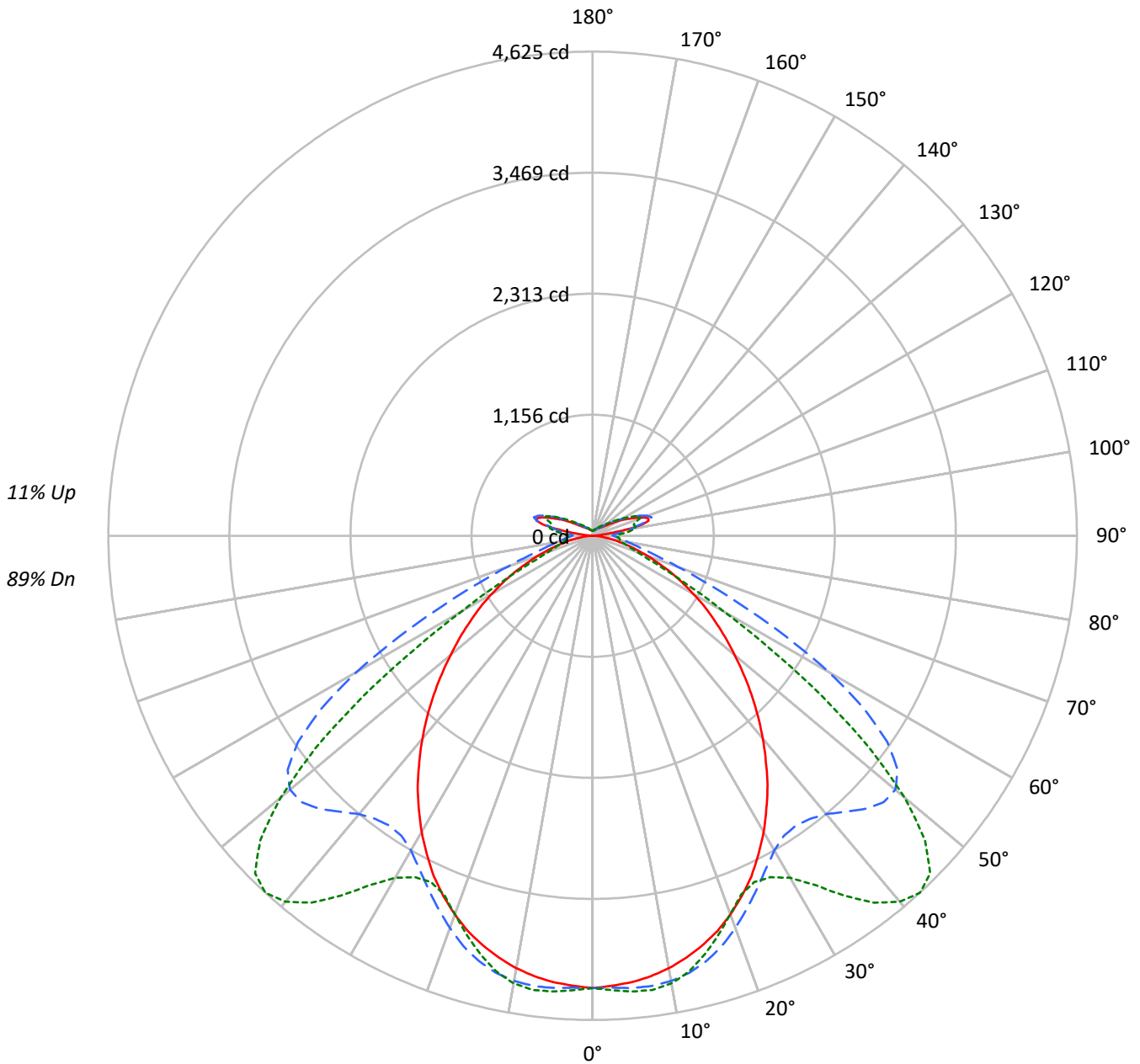
Lumens per Lamp: N/A
Luminaire Lumens: 14256.4 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 107.4
Input Voltage (V): NR
Input Current (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	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°	27490	27490	27490
5°	26890	27229	27701
10°	26220	26971	27632
15°	25383	26312	26646
20°	24370	25200	25243
25°	23138	23909	24636
30°	21625	22902	26394
35°	19963	23102	30740
40°	18110	24759	35348
45°	16211	27758	37766
50°	14272	30287	34898
55°	12453	29780	26440
60°	10631	24726	15997
65°	8757	16677	9558
70°	6738	10455	6771
75°	4742	7178	6102
80°	3005	5909	6561
85°	1606	5804	9358



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.8	2.9
10°-20°	1169.1	8.2
20°-30°	1710.7	12.0
30°-40°	2221.7	15.6
40°-50°	2713.0	19.0
50°-60°	2389.2	16.8
60°-70°	1245.0	8.7
70°-80°	533.9	3.7
80°-90°	259.8	1.8
90°-100°	247.1	1.7
100°-110°	513.6	3.6
110°-120°	421.3	3.0
120°-130°	205.0	1.4
130°-140°	102.5	0.7
140°-150°	58.3	0.4
150°-160°	32.6	0.2
160°-170°	15.9	0.1
170°-180°	4.8	0.0
0°-30°	3292.6	23.1
0°-40°	5514.4	38.7
0°-60°	10616.6	74.5
0°-90°	12655.4	88.8
90°-120°	1181.9	8.3
90°-150°	1547.7	10.9
90°-180°	1601.0	11.2
0°-180°	14256.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4320	4320	4320	4320	4320	
5°	4280	4313	4336	4374	4370	406
15°	4050	4164	4204	4172	4138	1140
25°	3588	3781	3716	3646	3650	1647
35°	2913	3220	3382	3944	4196	1816
45°	2145	2698	3688	4466	4559	1654
55°	1428	2364	3435	3012	2677	1282
65°	819	1638	1572	874	752	811
75°	330	766	505	346	328	360
85°	70	273	257	252	254	78
90°	4	118	195	227	236	7
95°	26	120	228	282	307	88
105°	554	575	550	432	407	525
115°	385	398	437	447	441	388
125°	190	203	231	238	238	179
135°	114	118	130	142	144	91
145°	87	86	89	96	98	55
155°	71	72	72	72	72	32
165°	55	55	56	56	56	16
175°	50	50	50	50	50	5
180°	50	50	50	50	50	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4320.3	4320.3	4320.3	4320.3	4320.3
2.5°	4301.6	4320.3	4321.2	4347.3	4344.5
5°	4280.2	4312.8	4336.1	4374.3	4369.7
7.5°	4244.7	4296.0	4337.0	4379.0	4375.2
10°	4194.5	4264.4	4318.4	4352.9	4341.7
12.5°	4129.2	4221.4	4274.5	4282.0	4260.6
15°	4050.0	4163.7	4203.8	4172.0	4138.5
17.5°	3960.5	4093.8	4107.8	4038.7	3996.8
20°	3848.6	4000.6	3986.6	3891.5	3844.9
22.5°	3724.6	3898.0	3853.3	3753.6	3708.8
25°	3588.5	3780.6	3716.3	3646.4	3650.1
27.5°	3429.2	3647.3	3584.8	3616.5	3676.2
30°	3267.0	3507.4	3469.3	3653.8	3771.2
32.5°	3089.0	3364.0	3398.4	3762.9	3954.8
35°	2912.8	3220.4	3381.6	3943.7	4196.3
37.5°	2718.0	3075.0	3408.7	4152.5	4417.2
40°	2528.8	2933.3	3470.2	4339.8	4563.5
42.5°	2335.8	2806.6	3573.7	4450.8	4625.0
45°	2144.7	2698.4	3688.3	4465.6	4558.8
47.5°	1953.6	2607.0	3767.6	4347.3	4304.4
50°	1769.1	2526.0	3773.1	4063.0	3887.7
52.5°	1596.6	2451.4	3670.6	3610.0	3337.8
55°	1428.0	2363.8	3434.7	3011.6	2676.9
57.5°	1274.2	2242.6	3071.2	2368.5	2003.0
60°	1111.1	2078.6	2601.5	1732.8	1444.8
62.5°	961.0	1874.4	2074.8	1206.1	1038.4
65°	819.3	1637.7	1572.5	874.3	752.2
67.5°	669.2	1392.6	1160.4	637.6	559.2
70°	551.8	1165.1	864.1	495.8	450.2
72.5°	431.6	948.9	645.9	402.6	377.5
75°	330.0	766.2	505.2	345.8	328.1
77.5°	243.3	605.8	406.4	305.7	288.9
80°	170.6	477.2	340.2	273.1	266.6
82.5°	114.7	369.1	289.9	260.1	261.0
85°	69.9	273.1	257.3	251.7	254.5
87.5°	33.6	193.9	220.9	229.3	232.1
90°	3.6	117.9	194.8	226.9	235.9
92.5°	8.7	99.8	189.1	229.0	242.4
95°	26.2	120.4	228.1	281.9	306.6
97.5°	146.2	210.1	298.6	349.7	368.2
100°	295.8	357.5	368.1	404.5	413.3
102.5°	474.0	491.9	433.4	420.0	416.6
105°	554.1	575.1	550.2	432.2	407.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	448.1	471.0	502.4	499.8	485.9
115°	384.6	397.7	436.6	447.0	441.1
117.5°	331.7	340.2	374.5	383.9	383.1
120°	277.8	288.7	316.7	326.0	326.1
122.5°	230.8	242.5	272.0	279.6	279.7
125°	190.0	203.2	230.8	238.4	238.4
127.5°	162.1	169.1	196.6	205.9	205.1
130°	141.2	145.5	167.5	177.7	179.6
132.5°	126.4	129.9	147.3	157.5	160.2
135°	114.2	117.7	129.7	141.6	143.5
137.5°	105.6	107.3	117.3	127.5	130.2
140°	96.9	99.5	105.8	116.0	117.8
142.5°	91.7	92.5	97.0	106.2	107.2
145°	86.6	86.4	89.1	96.4	98.3
147.5°	82.2	83.0	84.8	88.5	90.3
150°	77.9	79.6	78.6	81.4	83.2
152.5°	74.4	75.3	75.1	75.1	77.9
155°	70.9	71.8	71.6	71.6	72.5
157.5°	60.9	61.7	62.6	63.5	63.5
160°	58.3	59.1	60.0	60.0	60.9
162.5°	56.5	57.4	57.4	58.3	58.3
165°	54.8	54.8	55.6	55.6	55.6
167.5°	53.0	53.0	53.9	53.9	54.8
170°	51.3	52.2	52.2	52.2	53.0
172.5°	50.4	50.4	51.3	51.3	51.3
175°	49.6	49.6	49.6	50.4	50.4
177.5°	48.7	49.6	49.6	49.6	49.6
180°	49.6	49.6	49.6	49.6	49.6



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	555.1	580.1	588.7	487.1	425.5
110°	512.5	537.2	558.4	529.1	477.0



(END OF REPORT)