

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: P828590

Luminaire Tested: **OHBL-15SE-W-UNV-L950-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828590
REPORT IS A COMBINATION OF REPORTS P826226 AND G3-2310-221-6
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-15SE-W-UNV-L950-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

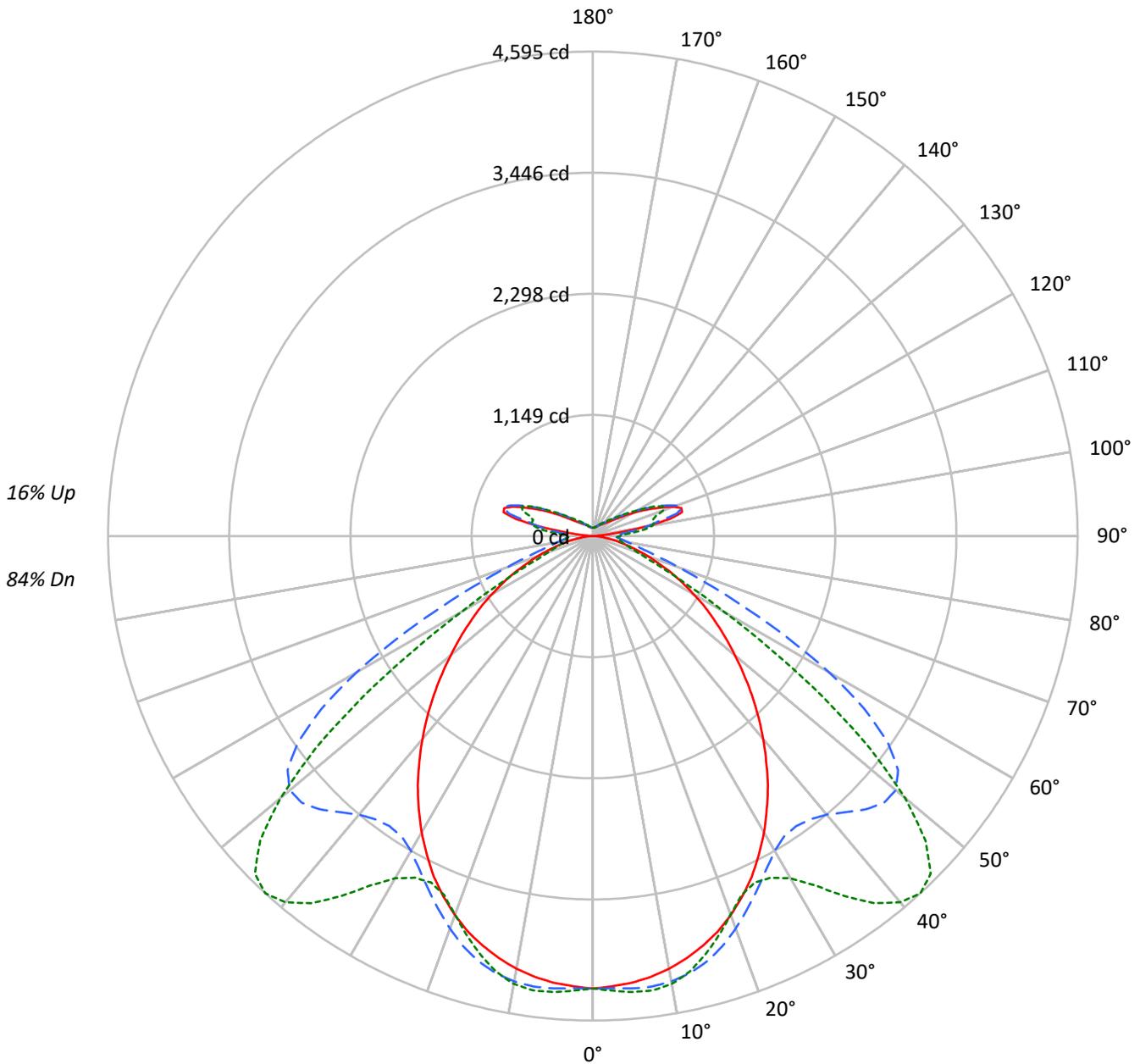
Lumens per Lamp: N/A
Luminaire Lumens: 14955.6 lumens
Efficiency: N/A
Efficacy: 143.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 104.4
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	115	115	115	115	111	111	111	111	102	102	102	95	95	95	87	87	87	84				84
1	106	101	97	93	101	97	94	90	90	87	85	84	81	79	78	76	74	71				71
2	96	88	82	77	92	85	79	74	79	74	70	74	70	66	68	65	63	60				60
3	88	78	70	64	84	75	68	62	70	64	59	65	60	56	61	57	53	50				50
4	80	69	60	54	77	66	59	53	62	55	50	58	52	48	54	49	46	43				43
5	74	61	53	46	70	59	51	45	55	48	43	52	46	41	48	43	40	37				37
6	68	55	46	40	65	53	45	39	50	43	38	47	41	36	44	39	35	32				32
7	63	50	41	35	60	48	40	34	45	38	33	42	36	32	40	34	31	28				28
8	58	45	37	31	56	44	36	30	41	34	29	39	33	28	36	31	27	25				25
9	54	41	33	28	52	40	32	27	38	31	26	35	30	25	33	28	24	22				22
10	51	38	30	25	49	37	29	25	35	28	24	33	27	23	31	26	22	20				20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13964	13964	13964
5°	13659	13867	14122
10°	13319	13770	14139
15°	12893	13468	13686
20°	12379	12931	13016
25°	11754	12301	12755
30°	10985	11816	13726
35°	10140	11954	16061
40°	9199	12852	18568
45°	8234	14460	19958
50°	7250	15841	18573
55°	6326	15648	14191
60°	5400	13063	8677
65°	4449	8870	5256
70°	3423	5609	3794
75°	2408	3896	3519
80°	1526	3263	3969
85°	816	3294	6275



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.2	2.7
10°-20°	1161.4	7.8
20°-30°	1699.6	11.4
30°-40°	2207.3	14.8
40°-50°	2695.3	18.0
50°-60°	2373.7	15.9
60°-70°	1236.9	8.3
70°-80°	530.4	3.5
80°-90°	260.1	1.7
90°-100°	321.3	2.1
100°-110°	774.2	5.2
110°-120°	644.3	4.3
120°-130°	311.9	2.1
130°-140°	156.1	1.0
140°-150°	89.3	0.6
150°-160°	50.7	0.3
160°-170°	25.2	0.2
170°-180°	7.7	0.1
0°-30°	3271.2	21.9
0°-40°	5478.4	36.6
0°-60°	10547.4	70.5
0°-90°	12574.9	84.1
90°-120°	1739.8	11.6
90°-150°	2297.1	15.4
90°-180°	2381.0	15.9
0°-180°	14955.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4292	4292	4292	4292	4292	
5°	4252	4285	4308	4346	4341	403
15°	4024	4137	4176	4145	4112	1133
25°	3565	3756	3692	3622	3626	1636
35°	2894	3199	3360	3918	4169	1804
45°	2131	2681	3664	4436	4529	1643
55°	1419	2348	3412	2992	2660	1273
65°	814	1627	1562	869	747	805
75°	328	761	502	344	326	357
85°	70	271	256	250	253	77
90°	5	128	209	246	257	8
95°	48	154	284	356	386	145
105°	876	895	821	627	586	831
115°	607	626	662	672	668	613
125°	300	319	347	356	354	281
135°	180	183	198	210	213	142
145°	134	135	139	145	148	85
155°	108	110	110	111	111	50
165°	87	88	89	89	89	25
175°	78	79	79	80	80	8
180°	78	78	78	78	78	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4292.1	4292.1	4292.1	4292.1	4292.1
2.5°	4273.6	4292.1	4293.0	4319.0	4316.2
5°	4252.3	4284.7	4307.8	4345.8	4341.1
7.5°	4217.1	4268.0	4308.8	4350.4	4346.7
10°	4167.1	4236.5	4290.3	4324.5	4313.4
12.5°	4102.2	4193.9	4246.7	4254.1	4232.8
15°	4023.5	4136.6	4176.4	4144.8	4111.5
17.5°	3934.7	4067.1	4080.9	4012.4	3970.8
20°	3823.6	3974.5	3960.6	3866.2	3819.8
22.5°	3700.4	3872.6	3828.2	3729.0	3684.6
25°	3565.2	3755.9	3692.0	3622.5	3626.3
27.5°	3406.8	3623.5	3561.4	3593.0	3652.2
30°	3245.7	3484.6	3446.7	3630.0	3746.7
32.5°	3068.8	3342.0	3376.2	3738.4	3929.1
35°	2893.8	3199.4	3359.6	3918.0	4168.9
37.5°	2700.2	3055.0	3386.4	4125.4	4388.4
40°	2512.3	2914.2	3447.5	4311.6	4533.8
42.5°	2320.6	2788.2	3550.4	4421.7	4594.9
45°	2130.7	2680.8	3664.3	4436.5	4529.1
47.5°	1940.9	2590.1	3743.0	4319.0	4276.4
50°	1757.6	2509.5	3748.5	4036.5	3862.4
52.5°	1586.3	2435.4	3646.6	3586.5	3316.1
55°	1418.7	2348.4	3412.4	2991.9	2659.5
57.5°	1265.8	2228.0	3051.2	2353.0	1990.0
60°	1103.8	2065.0	2584.5	1721.5	1435.4
62.5°	954.7	1862.2	2061.3	1198.3	1031.6
65°	814.0	1627.0	1562.2	868.6	747.3
67.5°	664.9	1383.5	1152.9	633.4	555.6
70°	548.2	1157.5	858.4	492.6	447.2
72.5°	428.7	942.7	641.7	400.0	375.1
75°	327.8	761.2	501.9	343.5	326.0
77.5°	241.7	601.9	403.8	303.7	287.1
80°	169.5	474.1	338.0	271.4	264.8
82.5°	113.9	366.7	288.0	258.4	259.3
85°	69.5	271.4	255.6	250.1	252.8
87.5°	33.3	192.6	219.4	227.8	230.6
90°	5.3	127.7	209.4	246.5	257.3
92.5°	14.8	114.2	210.8	260.9	276.8
95°	47.9	153.9	283.8	355.7	386.4
97.5°	235.7	300.2	392.6	474.0	505.4
100°	482.7	550.3	518.6	565.3	575.9
102.5°	744.4	773.4	633.7	598.4	593.2
105°	875.8	894.9	820.8	627.2	586.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	708.1	735.2	760.2	753.1	727.1
115°	607.2	626.3	661.5	671.7	668.3
117.5°	521.2	532.3	566.3	576.5	578.4
120°	432.5	449.5	484.2	490.9	486.6
122.5°	363.9	378.9	409.1	417.6	413.2
125°	300.4	318.8	347.1	355.5	353.8
127.5°	254.2	266.5	295.5	305.6	305.7
130°	222.1	229.0	254.4	264.5	267.2
132.5°	197.7	203.8	222.8	235.6	236.6
135°	179.5	182.9	198.2	210.2	212.8
137.5°	164.7	167.3	178.9	190.8	192.7
140°	151.6	155.1	163.2	174.1	176.0
142.5°	141.3	143.8	150.1	159.2	160.2
145°	133.5	135.1	138.7	145.0	147.8
147.5°	125.6	128.2	130.0	135.4	136.3
150°	119.5	121.3	122.1	124.8	127.5
152.5°	113.5	115.2	116.0	116.9	118.7
155°	108.2	110.0	109.9	110.8	110.8
157.5°	96.5	98.2	100.0	100.9	100.9
160°	93.0	93.9	95.6	96.5	96.5
162.5°	89.6	90.4	91.3	92.2	92.2
165°	86.9	87.8	88.7	88.7	88.7
167.5°	84.3	84.3	85.2	86.1	86.1
170°	81.7	82.6	82.6	83.5	83.5
172.5°	80.0	80.9	80.9	80.9	81.7
175°	78.2	79.1	79.1	80.0	80.0
177.5°	78.2	78.2	78.2	78.2	78.2
180°	78.2	78.2	78.2	78.2	78.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	880.1	907.7	889.0	727.4	623.1
110°	812.3	840.6	844.9	792.8	709.5



(END OF REPORT)