

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: P828289

Luminaire Tested: **OHBL-15SE-W-UNV-L940-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828289
REPORT IS A COMBINATION OF REPORTS P826118 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: OHBL-15SE-W-UNV-L940-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

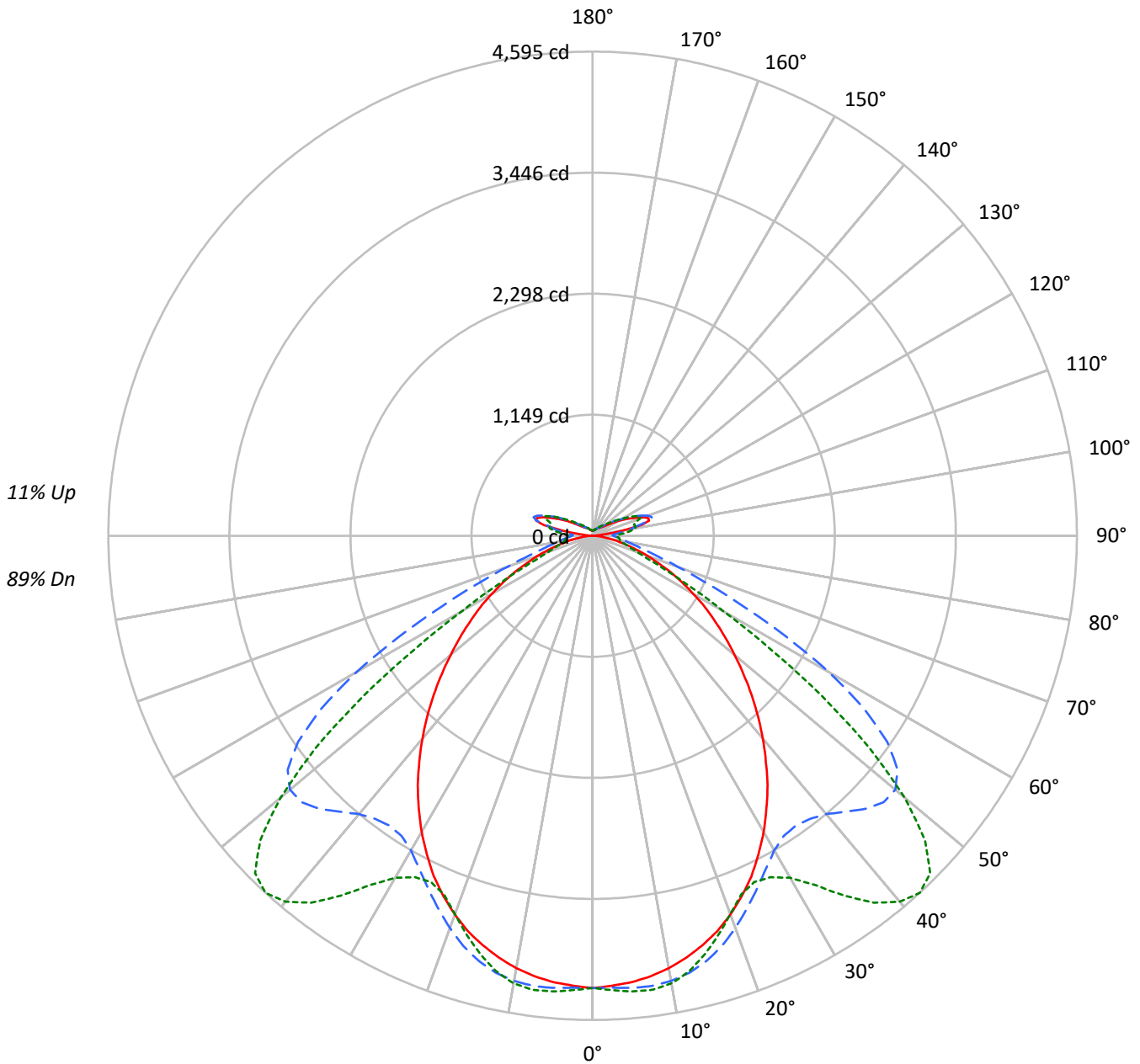
Lumens per Lamp: N/A
Luminaire Lumens: 14172.2 lumens
Efficiency: N/A
Efficacy: 145.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 97.3
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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89																			
1	107	102	98	94	103	99	95	92	92	90	87	87	84	82	81	80	78	75																			
2	97	89	83	77	94	87	81	76	81	76	72	76	72	69	72	69	66	63																			
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	63	59	56	53																			
4	81	70	61	55	78	67	60	54	64	57	52	60	54	50	57	52	48	45																			
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	46	41	39																			
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	46	40	36	34																			
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	42	36	32	30																			
8	59	46	37	31	57	44	37	31	42	35	30	40	34	29	38	33	29	26																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	51	38	30	25	50	37	30	25	36	29	24	34	28	24	32	27	23	21																			

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	2.9
10°-20°	1161.4	8.2
20°-30°	1699.6	12.0
30°-40°	2207.3	15.6
40°-50°	2695.3	19.0
50°-60°	2373.7	16.7
60°-70°	1236.9	8.7
70°-80°	530.4	3.7
80°-90°	258.1	1.8
90°-100°	246.3	1.7
100°-110°	513.1	3.6
110°-120°	421.0	3.0
120°-130°	204.8	1.4
130°-140°	102.4	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°	3271.2	23.1
0°-40°	5478.4	38.7
0°-60°	10547.4	74.4
0°-90°	12572.9	88.7
90°-120°	1180.4	8.3
90°-150°	1545.9	10.9
90°-180°	1599.0	11.3
0°-180°	14172.2	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°	4	117	194	226	235	7
95°	26	120	227	281	306	88
105°	554	575	550	432	406	525
115°	385	398	436	446	440	388
125°	190	203	231	238	238	179
135°	114	118	130	142	143	91
145°	86	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°	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°	3.6	117.3	193.7	225.6	234.7
92.5°	8.7	99.4	188.1	227.9	241.2
95°	26.2	120.0	227.3	280.9	305.5
97.5°	146.2	209.8	297.8	348.8	367.2
100°	295.8	357.3	367.3	403.6	412.5
102.5°	474.0	491.7	432.8	419.2	415.9
105°	554.1	575.0	549.6	431.6	406.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	448.1	470.9	501.9	499.2	485.4
115°	384.6	397.6	436.3	446.5	440.5
117.5°	331.7	340.1	374.1	383.5	382.7
120°	277.8	288.7	316.4	325.7	325.8
122.5°	230.8	242.4	271.7	279.4	279.4
125°	190.0	203.2	230.6	238.1	238.1
127.5°	162.1	169.1	196.4	205.6	204.8
130°	141.2	145.5	167.5	177.5	179.4
132.5°	126.4	129.9	147.2	157.4	160.1
135°	114.2	117.7	129.5	141.5	143.3
137.5°	105.6	107.3	117.2	127.4	130.1
140°	96.9	99.5	105.8	115.9	117.7
142.5°	91.7	92.5	97.0	106.2	107.1
145°	86.5	86.4	89.1	96.3	98.2
147.5°	82.2	83.0	84.8	88.4	90.2
150°	77.8	79.6	78.6	81.3	83.2
152.5°	74.3	75.2	75.1	75.1	77.8
155°	70.9	71.7	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°	555.0	579.9	588.2	486.5	424.9
110°	512.4	537.1	558.0	528.5	476.5



(END OF REPORT)