

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: P827690

Luminaire Tested: **OHBL-15SE-W-UNV-L930-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827690
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-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

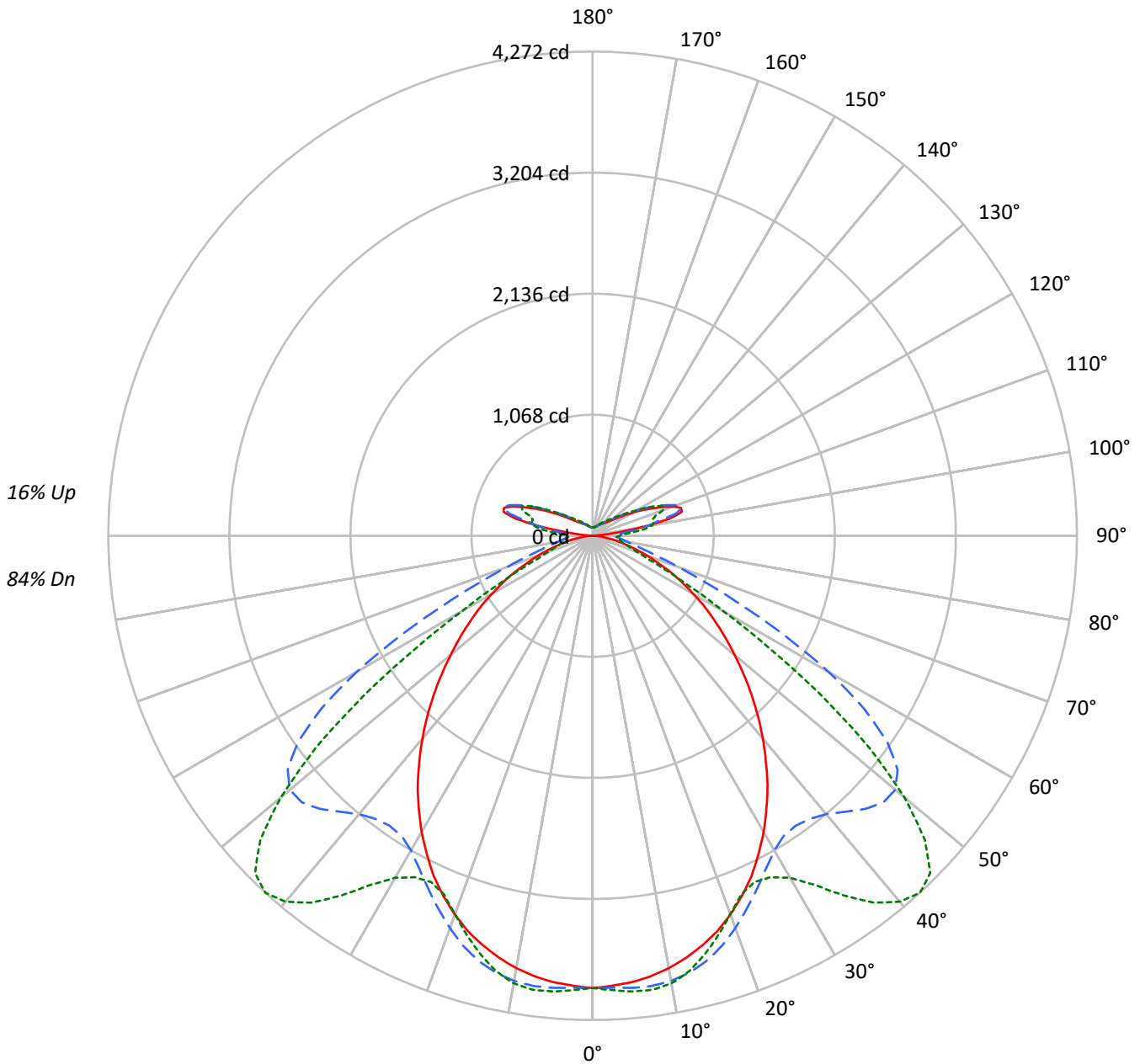
Lumens per Lamp: N/A
Luminaire Lumens: 13904.4 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12982	12982	12982
5°	12699	12892	13130
10°	12382	12802	13146
15°	11987	12521	12724
20°	11509	12022	12101
25°	10927	11437	11858
30°	10213	10986	12761
35°	9427	11114	14932
40°	8552	11949	17263
45°	7656	13444	18555
50°	6740	14727	17267
55°	5881	14548	13194
60°	5021	12145	8067
65°	4136	8247	4887
70°	3182	5215	3528
75°	2238	3623	3271
80°	1418	3033	3690
85°	759	3062	5835



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.3	2.7
10°-20°	1079.8	7.8
20°-30°	1580.1	11.4
30°-40°	2052.1	14.8
40°-50°	2505.9	18.0
50°-60°	2206.8	15.9
60°-70°	1150.0	8.3
70°-80°	493.2	3.5
80°-90°	241.8	1.7
90°-100°	298.7	2.1
100°-110°	719.8	5.2
110°-120°	599.0	4.3
120°-130°	290.0	2.1
130°-140°	145.1	1.0
140°-150°	83.0	0.6
150°-160°	47.1	0.3
160°-170°	23.5	0.2
170°-180°	7.1	0.1
0°-30°	3041.2	21.9
0°-40°	5093.4	36.6
0°-60°	9806.1	70.5
0°-90°	11691.0	84.1
90°-120°	1617.5	11.6
90°-150°	2135.6	15.4
90°-180°	2213.0	15.9
0°-180°	13904.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3990	3990	3990	3990	3990	
5°	3953	3984	4005	4040	4036	375
15°	3741	3846	3883	3854	3822	1053
25°	3315	3492	3432	3368	3371	1521
35°	2690	2974	3124	3643	3876	1677
45°	1981	2492	3407	4125	4211	1527
55°	1319	2183	3172	2782	2473	1184
65°	757	1513	1452	808	695	749
75°	305	708	467	319	303	332
85°	65	252	238	232	235	72
90°	5	119	195	229	239	7
95°	44	143	264	331	359	134
105°	814	832	763	583	545	773
115°	564	582	615	624	621	570
125°	279	296	323	330	329	261
135°	167	170	184	196	198	132
145°	124	126	129	135	137	79
155°	101	102	102	103	103	46
165°	81	82	82	82	82	23
175°	73	74	74	74	74	7
180°	73	73	73	73	73	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3990.4	3990.4	3990.4	3990.4	3990.4
2.5°	3973.2	3990.4	3991.2	4015.4	4012.8
5°	3953.4	3983.5	4005.0	4040.4	4036.0
7.5°	3920.7	3968.0	4005.9	4044.7	4041.2
10°	3874.2	3938.8	3988.7	4020.6	4010.2
12.5°	3813.9	3899.2	3948.2	3955.1	3935.3
15°	3740.7	3845.8	3882.8	3853.5	3822.5
17.5°	3658.1	3781.2	3794.1	3730.4	3691.7
20°	3554.8	3695.1	3682.2	3594.4	3551.3
22.5°	3440.3	3600.4	3559.1	3466.9	3425.6
25°	3314.6	3491.9	3432.5	3367.9	3371.4
27.5°	3167.4	3368.8	3311.1	3340.4	3395.5
30°	3017.6	3239.6	3204.4	3374.9	3483.4
32.5°	2853.1	3107.1	3138.9	3475.6	3652.9
35°	2690.4	2974.5	3123.5	3642.6	3875.9
37.5°	2510.4	2840.2	3148.4	3835.5	4080.0
40°	2335.7	2709.4	3205.2	4008.5	4215.1
42.5°	2157.5	2592.2	3300.8	4110.9	4272.0
45°	1981.0	2492.4	3406.7	4124.7	4210.8
47.5°	1804.5	2408.0	3479.9	4015.4	3975.8
50°	1634.0	2333.1	3485.0	3752.8	3590.9
52.5°	1474.8	2264.2	3390.3	3334.4	3083.0
55°	1319.0	2183.3	3172.5	2781.6	2472.6
57.5°	1176.9	2071.4	2836.8	2187.6	1850.1
60°	1026.3	1919.9	2402.9	1600.5	1334.5
62.5°	887.6	1731.3	1916.4	1114.0	959.1
65°	756.8	1512.6	1452.4	807.5	694.8
67.5°	618.1	1286.2	1071.8	588.9	516.5
70°	509.7	1076.1	798.1	458.0	415.8
72.5°	398.6	876.4	596.6	371.9	348.7
75°	304.7	707.7	466.7	319.4	303.0
77.5°	224.7	559.6	375.4	282.4	266.9
80°	157.5	440.8	314.2	252.3	246.2
82.5°	105.9	341.0	267.7	240.2	241.0
85°	64.6	252.3	237.6	232.5	235.1
87.5°	31.0	179.0	204.0	211.8	214.4
90°	4.9	118.7	194.6	229.2	239.2
92.5°	13.7	106.1	195.9	242.6	257.4
95°	44.5	143.1	263.8	330.7	359.2
97.5°	219.1	279.1	365.0	440.7	469.9
100°	448.8	511.6	482.2	525.6	535.4
102.5°	692.1	719.0	589.1	556.3	551.5
105°	814.2	832.0	763.1	583.1	545.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	658.3	683.5	706.7	700.2	676.0
115°	564.5	582.2	615.0	624.5	621.4
117.5°	484.6	494.9	526.5	536.0	537.7
120°	402.1	417.9	450.2	456.4	452.4
122.5°	338.3	352.3	380.3	388.2	384.2
125°	279.3	296.4	322.7	330.5	328.9
127.5°	236.4	247.8	274.8	284.1	284.2
130°	206.4	212.9	236.5	245.9	248.4
132.5°	183.8	189.5	207.2	219.1	219.9
135°	166.8	170.1	184.3	195.5	197.9
137.5°	153.1	155.5	166.4	177.4	179.1
140°	141.0	144.2	151.7	161.9	163.6
142.5°	131.4	133.7	139.5	148.0	148.9
145°	124.1	125.6	128.9	134.8	137.4
147.5°	116.8	119.2	120.8	125.9	126.7
150°	111.1	112.8	113.5	116.0	118.6
152.5°	105.5	107.1	107.8	108.6	110.3
155°	100.6	102.3	102.2	103.0	103.0
157.5°	89.7	91.3	93.0	93.8	93.8
160°	86.5	87.3	88.9	89.7	89.7
162.5°	83.3	84.1	84.9	85.7	85.7
165°	80.8	81.6	82.4	82.4	82.4
167.5°	78.4	78.4	79.2	80.0	80.0
170°	76.0	76.8	76.8	77.6	77.6
172.5°	74.4	75.2	75.2	75.2	76.0
175°	72.8	73.6	73.6	74.4	74.4
177.5°	72.8	72.8	72.8	72.8	72.8
180°	72.8	72.8	72.8	72.8	72.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	818.3	843.9	826.5	676.3	579.3
110°	755.2	781.5	785.5	737.1	659.6



(END OF REPORT)