

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: P827984

Luminaire Tested: **OHBL-15SE-MFL-UNV-L935-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827984
REPORT IS A COMBINATION OF REPORTS P826223 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-MFL-UNV-L935-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

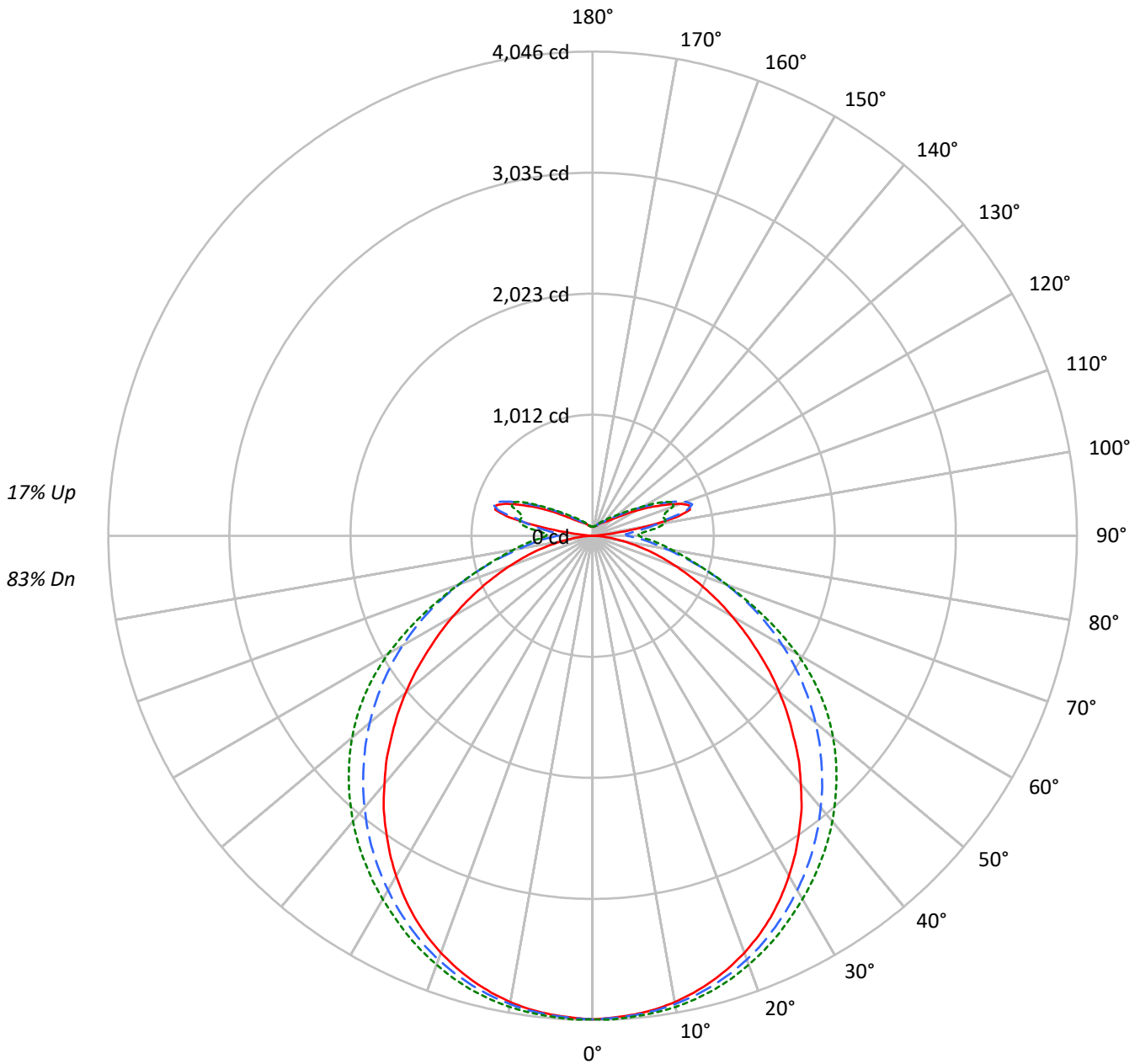
Lumens per Lamp: N/A
Luminaire Lumens: 14112.8 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 104.4
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P827984

CATALOG NUMBER: OHBL-15SE-MFL-UNV-L935-CD-UPL24

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	110	110	110	110	102	102	102	94	94	94	86	86	86	86	86	86	83
1	104	100	95	91	100	96	92	88	88	85	82	81	79	77	75	73	72	72	72	72	68
2	95	87	80	74	91	83	77	72	77	72	68	71	67	64	66	63	60	60	60	60	57
3	86	76	68	61	82	73	66	60	68	62	57	63	58	53	58	54	50	50	50	50	48
4	79	67	59	52	75	65	57	51	60	53	48	56	50	46	52	47	43	43	43	43	41
5	73	60	51	45	69	58	50	44	54	47	42	50	44	40	47	42	38	38	38	38	35
6	67	54	45	39	64	52	44	38	49	41	36	45	39	35	42	37	33	33	33	33	31
7	62	49	40	34	59	47	39	33	44	37	32	41	35	31	38	33	29	29	29	29	27
8	58	44	36	30	55	43	35	30	40	33	29	38	32	27	35	30	26	26	26	26	24
9	54	41	33	27	52	39	32	27	37	30	26	35	29	25	33	27	24	24	24	24	22
10	50	37	30	25	48	36	29	24	34	28	23	32	26	22	30	25	21	21	21	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13149	13149	13149
5°	12900	12946	13119
10°	12649	12756	13106
15°	12349	12545	13071
20°	12006	12304	12996
25°	11602	12023	12922
30°	11107	11723	12849
35°	10544	11407	12800
40°	9902	11051	12760
45°	9178	10668	12697
50°	8405	10274	12614
55°	7502	9806	12419
60°	6586	9264	11929
65°	5612	8593	11048
70°	4582	7762	10104
75°	3553	6803	9609
80°	2378	5977	10066
85°	1185	5661	12619



TEST NUMBER: P827984

CATALOG NUMBER: OHBL-15SE-MFL-UNV-L935-CD-UPL24

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.0	2.7
10°-20°	1098.7	7.8
20°-30°	1661.5	11.8
30°-40°	1994.7	14.1
40°-50°	2060.2	14.6
50°-60°	1853.5	13.1
60°-70°	1396.2	9.9
70°-80°	843.1	6.0
80°-90°	417.5	3.0
90°-100°	366.8	2.6
100°-110°	769.8	5.5
110°-120°	633.5	4.5
120°-130°	308.9	2.2
130°-140°	155.4	1.1
140°-150°	88.5	0.6
150°-160°	49.8	0.4
160°-170°	24.2	0.2
170°-180°	7.4	0.1
0°-30°	3143.2	22.3
0°-40°	5137.9	36.4
0°-60°	9051.6	64.1
0°-90°	11708.4	83.0
90°-120°	1770.1	12.5
90°-150°	2323.0	16.5
90°-180°	2404.0	17.0
0°-180°	14112.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4042	4042	4042	4042	4042	
5°	4016	4027	4022	4038	4033	382
15°	3854	3872	3890	3923	3927	1086
25°	3519	3558	3608	3665	3674	1619
35°	3009	3079	3206	3303	3322	1881
45°	2375	2495	2703	2851	2881	1834
55°	1682	1857	2138	2300	2327	1509
65°	1027	1236	1513	1589	1571	1020
75°	484	694	876	899	890	516
85°	101	266	439	500	508	117
90°	4	132	290	368	387	9
95°	49	163	331	429	463	141
105°	843	867	812	643	608	800
115°	585	605	650	671	670	590
125°	290	308	343	360	360	271
135°	174	179	197	213	219	137
145°	131	133	137	145	149	83
155°	107	109	110	110	111	48
165°	83	84	85	85	85	24
175°	75	76	76	77	77	7
180°	75	75	75	75	75	



TEST NUMBER: P827984

CATALOG NUMBER: OHBL-15SE-MFL-UNV-L935-CD-UPL24

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4041.6	4041.6	4041.6	4041.6	4041.6
2.5°	4029.8	4039.6	4033.7	4046.6	4045.6
5°	4015.9	4026.8	4021.8	4037.7	4032.7
7.5°	3992.2	4004.0	4003.0	4020.8	4018.8
10°	3957.5	3970.4	3974.3	3998.1	3998.1
12.5°	3910.1	3926.8	3936.8	3965.4	3966.4
15°	3853.7	3872.5	3890.3	3922.9	3926.8
17.5°	3785.4	3809.2	3833.9	3871.5	3876.4
20°	3708.2	3735.0	3768.6	3808.2	3814.1
22.5°	3619.3	3650.9	3694.4	3740.9	3747.8
25°	3519.3	3557.9	3608.3	3664.8	3673.7
27.5°	3405.6	3450.1	3518.3	3581.7	3589.6
30°	3281.9	3334.3	3419.4	3494.6	3507.5
32.5°	3151.4	3211.8	3316.6	3400.7	3418.4
35°	3008.9	3079.2	3205.8	3302.8	3322.5
37.5°	2868.5	2945.7	3089.1	3199.8	3223.6
40°	2704.3	2800.3	2964.4	3087.1	3115.8
42.5°	2550.0	2653.8	2839.8	2973.3	3001.0
45°	2374.9	2494.6	2703.3	2850.7	2881.3
47.5°	2210.8	2340.3	2571.8	2724.1	2755.8
50°	2037.6	2180.1	2431.3	2590.6	2623.2
52.5°	1864.5	2017.8	2285.9	2451.1	2481.8
55°	1682.5	1856.6	2138.5	2299.8	2327.4
57.5°	1513.4	1697.3	1987.2	2140.5	2157.3
60°	1346.2	1537.1	1832.8	1967.4	1973.3
62.5°	1183.0	1383.8	1674.6	1781.4	1773.5
65°	1026.8	1236.4	1513.4	1588.6	1570.8
67.5°	876.3	1093.0	1348.2	1396.7	1372.9
70°	733.9	953.5	1187.9	1212.7	1190.9
72.5°	608.3	821.0	1025.8	1046.5	1030.7
75°	483.7	694.3	876.3	899.1	890.2
77.5°	367.0	571.8	738.9	768.6	770.5
80°	264.1	459.9	619.2	665.7	671.6
82.5°	174.1	357.1	519.3	578.7	587.6
85°	100.9	266.1	439.2	499.5	508.4
87.5°	43.5	191.9	353.1	407.5	418.4
90°	4.2	132.2	290.4	368.2	386.9
92.5°	17.2	123.6	275.7	360.0	381.7
95°	49.1	162.8	331.2	429.3	463.2
97.5°	230.1	301.8	424.0	524.5	560.9
100°	465.9	539.8	535.6	599.7	615.1
102.5°	716.8	752.2	638.7	621.9	622.2
105°	842.8	867.3	812.2	643.2	608.3



TEST NUMBER: P827984

CATALOG NUMBER: OHBL-15SE-MFL-UNV-L935-CD-UPL24

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	681.2	710.0	745.2	751.8	729.0
115°	584.6	605.2	649.8	670.8	669.8
117.5°	502.3	513.9	556.8	577.8	581.6
120°	417.2	434.3	477.4	493.0	492.0
122.5°	351.4	366.3	404.0	421.1	419.1
125°	289.6	307.6	343.1	360.0	360.5
127.5°	245.3	258.1	292.1	310.8	312.9
130°	214.4	222.1	252.2	269.8	273.6
132.5°	191.1	198.9	220.6	239.8	242.8
135°	173.6	178.9	196.6	213.1	218.8
137.5°	159.4	163.9	176.8	193.2	197.1
140°	147.9	152.2	161.3	174.9	179.7
142.5°	138.1	141.4	146.8	159.2	162.2
145°	130.8	133.1	136.6	145.3	149.1
147.5°	123.3	126.6	128.2	133.8	136.8
150°	117.4	120.1	121.6	123.4	127.2
152.5°	111.6	114.2	115.8	115.6	117.6
155°	106.6	109.2	109.9	109.8	110.8
157.5°	92.5	94.2	95.8	96.7	96.7
160°	89.2	90.0	91.7	92.5	92.5
162.5°	85.8	86.7	87.5	88.3	88.3
165°	83.3	84.2	85.0	85.0	85.0
167.5°	80.8	80.8	81.7	82.5	82.5
170°	78.3	79.2	79.2	80.0	80.0
172.5°	76.7	77.5	77.5	77.5	78.3
175°	75.0	75.8	75.8	76.7	76.7
177.5°	75.0	75.0	75.0	75.0	75.0
180°	75.0	75.0	75.0	75.0	75.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	846.1	878.1	873.4	734.1	637.4
110°	781.1	813.3	829.2	792.8	716.0



(END OF REPORT)