

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: P827527

Luminaire Tested: **OHB-15HE-MFL-UNV-L930-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827527
REPORT IS A COMBINATION OF REPORTS P826085 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-15HE-MFL-UNV-L930-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

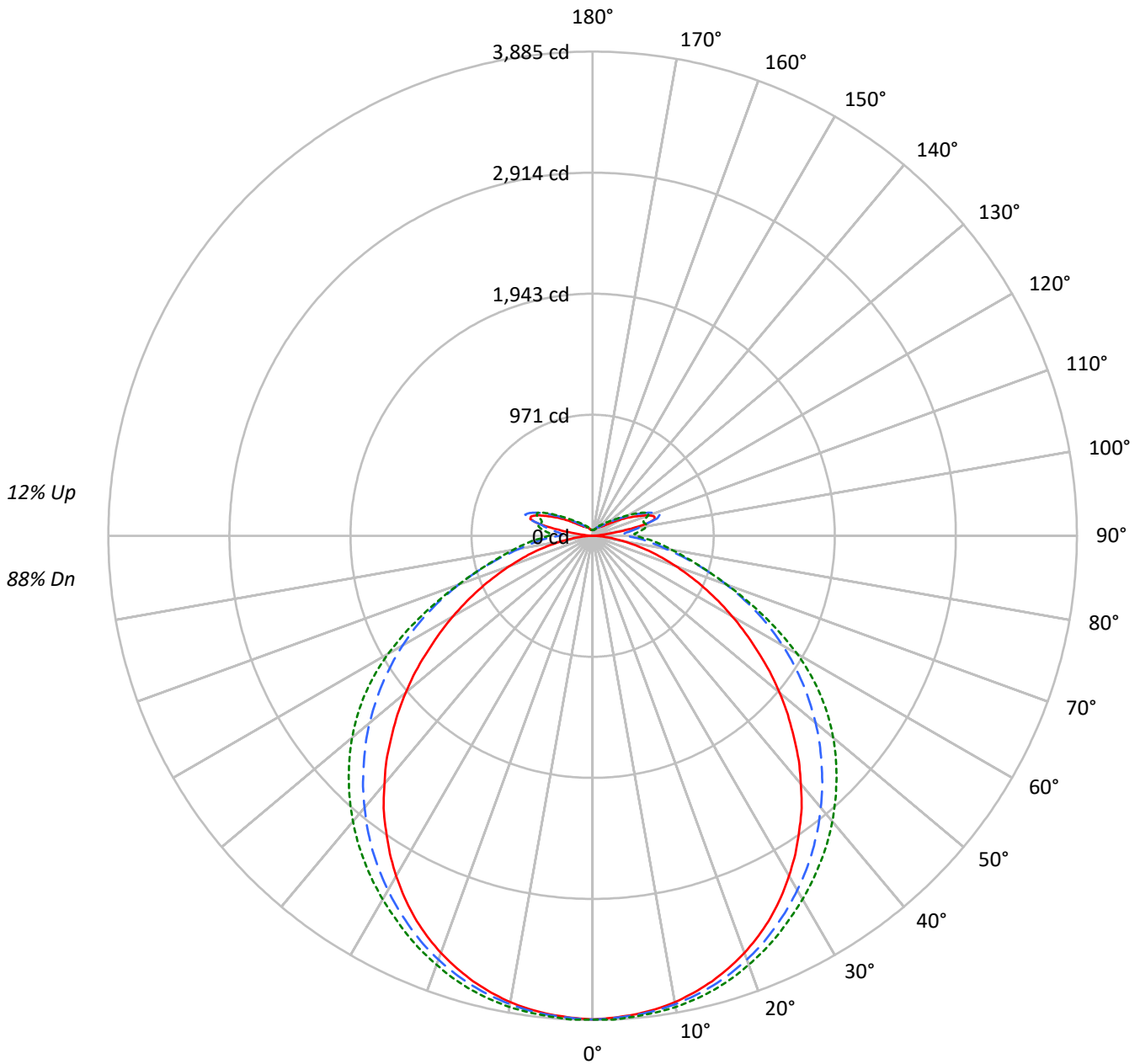
Lumens per Lamp: N/A
Luminaire Lumens: 12844.6 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 90.3
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: P827527

CATALOG NUMBER: OHB-15HE-MFL-UNV-L930-CD-UPL15

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	104	104	104	97	97	97	91	91	91	88																			
1	105	100	96	92	101	97	93	89	90	87	84	84	82	79	79	77	75	72																			
2	96	87	80	75	92	84	78	73	79	74	69	74	70	66	69	66	63	60																			
3	87	77	68	62	84	74	67	61	69	63	58	65	60	55	61	57	53	50																			
4	80	68	59	52	76	66	58	51	62	55	49	58	52	47	54	49	45	43																			
5	73	61	52	45	70	59	50	44	55	48	43	52	46	41	49	44	39	37																			
6	68	54	46	39	65	53	45	39	50	43	37	47	41	36	44	39	35	32																			
7	63	49	41	35	60	48	40	34	45	38	33	43	36	32	40	35	31	29																			
8	58	45	36	31	56	44	36	30	41	34	29	39	33	28	37	32	28	25																			
9	54	41	33	28	52	40	32	27	38	31	26	36	30	26	34	29	25	23																			
10	51	38	30	25	49	37	30	25	35	28	24	33	27	23	32	26	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12966	12966	12966
5°	12821	12805	12890
10°	12669	12653	12829
15°	12465	12480	12748
20°	12216	12278	12625
25°	11903	12034	12501
30°	11494	11772	12377
35°	11013	11495	12271
40°	10449	11180	12168
45°	9795	10838	12035
50°	9087	10489	11873
55°	8235	10068	11591
60°	7362	9576	11016
65°	6417	8958	10063
70°	5401	8183	9031
75°	4366	7283	8349
80°	3114	6549	8334
85°	1733	6453	9424



TEST NUMBER: P827527

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.8	2.9
10°-20°	1055.1	8.2
20°-30°	1595.7	12.4
30°-40°	1915.7	14.9
40°-50°	1978.6	15.4
50°-60°	1780.1	13.9
60°-70°	1340.9	10.4
70°-80°	809.7	6.3
80°-90°	399.1	3.1
90°-100°	284.4	2.2
100°-110°	503.0	3.9
110°-120°	406.3	3.2
120°-130°	199.8	1.6
130°-140°	100.7	0.8
140°-150°	56.9	0.4
150°-160°	31.5	0.2
160°-170°	14.8	0.1
170°-180°	4.5	0.0
0°-30°	3018.6	23.5
0°-40°	4934.3	38.4
0°-60°	8693.0	67.7
0°-90°	11242.7	87.5
90°-120°	1193.8	9.3
90°-150°	1551.2	12.1
90°-180°	1602.0	12.5
0°-180°	12844.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3882	3882	3882	3882	3882	
5°	3857	3867	3862	3878	3873	366
15°	3701	3719	3736	3768	3771	1043
25°	3380	3417	3465	3520	3528	1555
35°	2890	2957	3079	3172	3191	1806
45°	2281	2396	2596	2738	2767	1761
55°	1616	1783	2054	2209	2235	1449
65°	986	1187	1453	1526	1508	980
75°	464	667	842	864	855	496
85°	97	256	422	480	488	112
90°	2	118	265	335	351	8
95°	27	126	267	345	372	85
105°	518	543	535	441	421	491
115°	360	374	420	440	437	364
125°	178	191	224	240	242	168
135°	108	113	127	142	147	85
145°	83	84	86	96	98	53
155°	68	70	71	70	72	31
165°	51	51	52	52	52	15
175°	46	46	46	47	47	4
180°	46	46	46	46	46	



TEST NUMBER: P827527

CATALOG NUMBER: OHB-15HE-MFL-UNV-L930-CD-UPL15

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3881.5	3881.5	3881.5	3881.5	3881.5
2.5°	3870.1	3879.6	3873.9	3886.2	3885.3
5°	3856.8	3867.2	3862.5	3877.7	3872.9
7.5°	3833.9	3845.4	3844.4	3861.5	3859.6
10°	3800.7	3813.1	3816.9	3839.7	3839.7
12.5°	3755.1	3771.3	3780.7	3808.3	3809.3
15°	3701.0	3719.1	3736.1	3767.5	3771.3
17.5°	3635.4	3658.2	3682.0	3718.1	3722.9
20°	3561.4	3587.0	3619.3	3657.3	3663.0
22.5°	3475.8	3506.2	3548.0	3592.7	3599.3
25°	3379.9	3416.9	3465.4	3519.6	3528.1
27.5°	3270.7	3313.4	3378.9	3439.7	3447.3
30°	3151.9	3202.3	3283.9	3356.1	3368.5
32.5°	3026.5	3084.4	3185.2	3265.9	3283.0
35°	2889.7	2957.2	3078.8	3171.8	3190.8
37.5°	2754.8	2828.9	2966.7	3073.0	3095.8
40°	2597.2	2689.3	2847.0	2964.8	2992.3
42.5°	2448.9	2548.7	2727.3	2855.5	2882.1
45°	2280.8	2395.7	2596.2	2737.7	2767.2
47.5°	2123.1	2247.6	2469.9	2616.2	2646.6
50°	1956.9	2093.7	2335.0	2487.9	2519.3
52.5°	1790.6	1937.9	2195.4	2353.9	2383.4
55°	1615.9	1783.0	2053.8	2208.6	2235.2
57.5°	1453.4	1630.1	1908.4	2055.7	2071.8
60°	1292.8	1476.2	1760.2	1889.4	1895.1
62.5°	1136.1	1329.0	1608.3	1710.8	1703.2
65°	986.0	1187.4	1453.4	1525.6	1508.5
67.5°	841.6	1049.7	1294.8	1341.3	1318.6
70°	704.9	915.8	1140.9	1164.6	1143.7
72.5°	584.2	788.4	985.1	1005.0	989.8
75°	464.5	666.9	841.6	863.5	855.0
77.5°	352.4	549.1	709.6	738.1	740.0
80°	253.7	441.8	594.7	639.3	645.1
82.5°	167.2	342.9	498.7	555.7	564.3
85°	96.9	255.5	421.8	479.7	488.2
87.5°	41.8	184.3	339.1	391.4	401.8
90°	2.4	117.5	264.7	334.7	351.1
92.5°	10.9	105.2	244.3	315.8	334.3
95°	27.4	125.6	267.0	344.7	371.8
97.5°	139.9	208.1	321.6	390.4	413.5
100°	278.1	343.6	377.6	429.5	442.8
102.5°	443.9	467.3	431.6	435.2	437.0
105°	518.3	543.4	534.6	440.7	421.4



TEST NUMBER: P827527

CATALOG NUMBER: OHB-15HE-MFL-UNV-L930-CD-UPL15

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	419.0	442.7	482.0	492.2	481.4
115°	360.0	374.3	420.3	440.5	437.0
117.5°	310.9	319.7	360.9	380.2	381.5
120°	260.8	271.6	306.6	324.0	327.0
122.5°	217.1	228.4	263.7	279.4	281.4
125°	178.2	190.7	224.1	239.5	241.6
127.5°	152.1	159.7	190.8	208.0	209.2
130°	132.7	137.7	163.5	180.4	183.3
132.5°	119.0	124.2	143.4	159.4	164.0
135°	107.7	112.8	126.7	142.5	147.1
137.5°	99.6	103.1	114.0	128.0	132.6
140°	92.5	95.9	103.1	115.3	119.9
142.5°	87.8	89.4	92.9	105.0	107.8
145°	83.1	83.7	86.3	95.5	98.4
147.5°	79.1	80.7	82.3	86.1	89.7
150°	75.0	77.5	77.4	79.1	82.0
152.5°	71.8	73.5	74.2	73.2	75.9
155°	68.5	70.2	71.0	70.0	71.8
157.5°	56.6	57.4	58.2	59.0	59.0
160°	54.2	55.0	55.8	55.8	56.6
162.5°	52.5	53.4	53.4	54.2	54.2
165°	50.9	50.9	51.7	51.7	51.7
167.5°	49.3	49.3	50.1	50.1	50.9
170°	47.7	48.5	48.5	48.5	49.3
172.5°	46.9	46.9	47.7	47.7	47.7
175°	46.1	46.1	46.1	46.9	46.9
177.5°	45.3	46.1	46.1	46.1	46.1
180°	46.1	46.1	46.1	46.1	46.1



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	518.3	546.7	566.6	486.9	432.7
110°	478.7	506.5	536.8	522.2	476.8



(END OF REPORT)