

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: P827534

Luminaire Tested: **OHB-15HE-W-UNV-L930-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827534
REPORT IS A COMBINATION OF REPORTS P826184 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: OHB-15HE-W-UNV-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

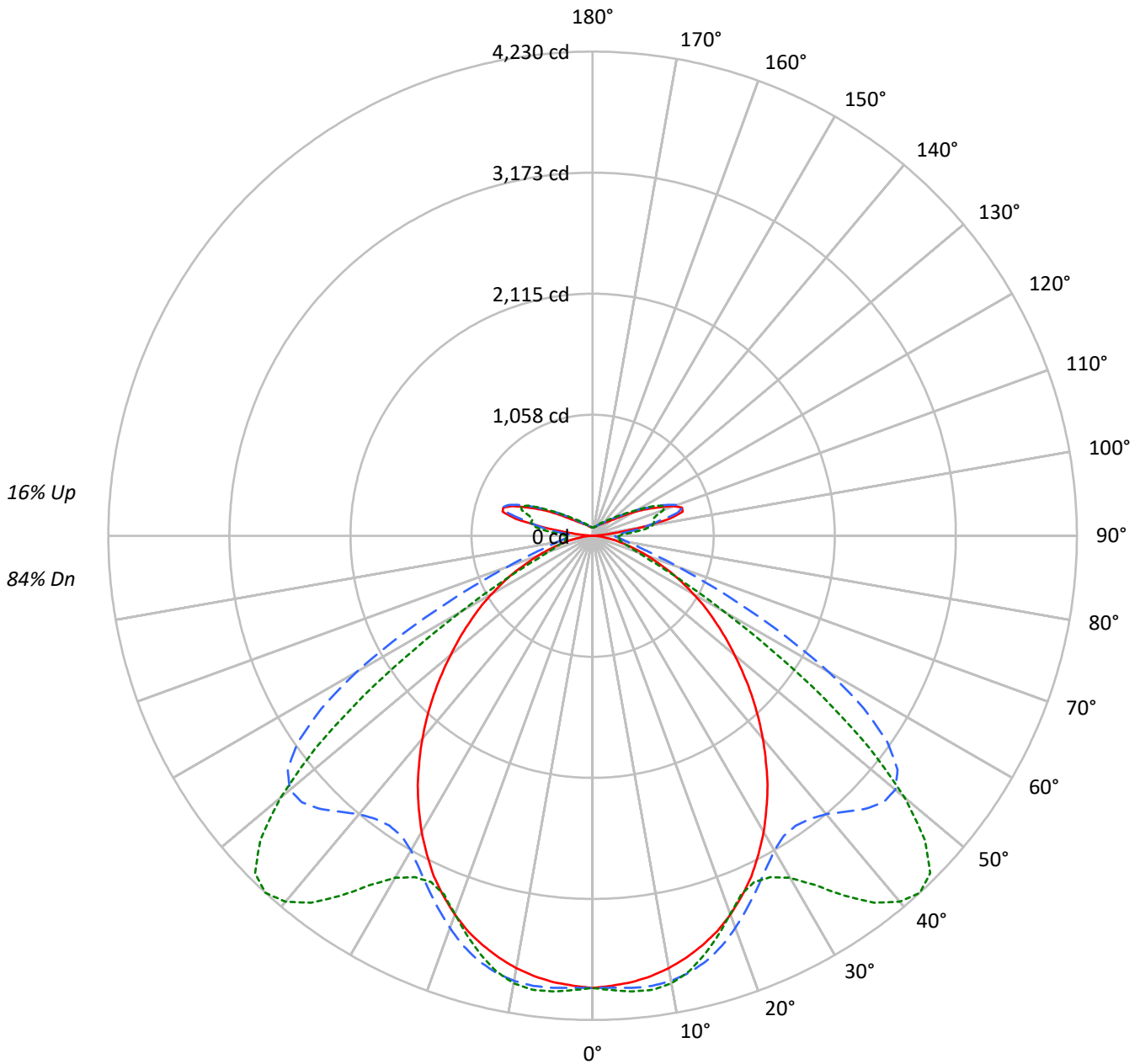
Lumens per Lamp: N/A
Luminaire Lumens: 13786.3 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 97.4
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

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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	50	30	10	0						
RCR																														
0	115	115	115	115	111	111	111	111	102	102	102	94	94	94	87	87	87	84												
1	106	101	97	93	101	97	94	90	90	87	85	84	81	79	77	76	74	71												
2	96	88	82	77	92	85	79	74	79	74	70	74	70	66	68	65	63	60												
3	88	78	70	64	84	75	68	62	70	64	59	65	60	56	60	57	53	50												
4	80	69	60	54	77	66	59	53	62	55	50	58	52	48	54	49	46	43												
5	74	61	53	46	70	59	51	45	55	48	43	52	46	41	48	43	39	37												
6	68	55	46	40	65	53	45	39	50	43	38	47	41	36	44	39	35	32												
7	63	50	41	35	60	48	40	34	45	38	33	42	36	32	40	34	30	28												
8	58	45	37	31	56	44	36	30	41	34	29	39	33	28	36	31	27	25												
9	54	41	33	28	52	40	32	27	38	31	26	35	30	25	33	28	24	22												
10	51	38	30	25	49	37	29	24	35	28	24	33	27	23	31	26	22	20												

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13198	13198	13198
5°	13012	13146	13300
10°	12786	13092	13267
15°	12475	12842	12794
20°	12072	12368	12119
25°	11557	11802	11828
30°	10896	11373	12673
35°	10152	11547	14759
40°	9304	12462	16972
45°	8424	14080	18133
50°	7513	15500	16756
55°	6655	15398	12695
60°	5786	12943	7680
65°	4876	8863	4589
70°	3866	5667	3251
75°	2836	3998	2930
80°	1915	3426	3150
85°	1143	3600	4492



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.6	2.7
10°-20°	1069.1	7.8
20°-30°	1564.5	11.3
30°-40°	2031.8	14.7
40°-50°	2481.1	18.0
50°-60°	2185.0	15.8
60°-70°	1138.6	8.3
70°-80°	488.3	3.5
80°-90°	239.5	1.7
90°-100°	297.6	2.2
100°-110°	719.1	5.2
110°-120°	598.6	4.3
120°-130°	289.8	2.1
130°-140°	145.0	1.1
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°	3011.2	21.8
0°-40°	5043.0	36.6
0°-60°	9709.2	70.4
0°-90°	11575.6	84.0
90°-120°	1615.3	11.7
90°-150°	2133.0	15.5
90°-180°	2211.0	16.0
0°-180°	13786.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3951	3951	3951	3951	3951	
5°	3914	3944	3966	4000	3996	371
15°	3704	3808	3844	3815	3785	1043
25°	3282	3457	3399	3335	3338	1506
35°	2664	2945	3093	3607	3838	1660
45°	1961	2468	3373	4084	4169	1512
55°	1306	2162	3141	2754	2448	1172
65°	749	1498	1438	800	688	741
75°	302	701	462	316	300	329
85°	64	250	235	230	233	71
90°	5	118	193	227	237	7
95°	44	143	263	329	358	134
105°	814	832	762	582	544	773
115°	564	582	614	624	621	569
125°	279	296	322	330	329	261
135°	167	170	184	195	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°	3951.0	3951.0	3951.0	3951.0	3951.0
2.5°	3933.9	3951.0	3951.9	3975.7	3973.1
5°	3914.4	3944.2	3965.5	4000.4	3996.2
7.5°	3881.9	3928.8	3966.3	4004.7	4001.2
10°	3835.9	3899.9	3949.3	3980.8	3970.6
12.5°	3776.2	3860.6	3909.3	3916.1	3896.4
15°	3703.8	3807.8	3844.4	3815.4	3784.8
17.5°	3622.0	3743.9	3756.6	3693.5	3655.2
20°	3519.6	3658.6	3645.8	3558.8	3516.2
22.5°	3406.3	3564.8	3523.9	3432.7	3391.8
25°	3281.8	3457.4	3398.6	3334.7	3338.1
27.5°	3136.1	3335.5	3278.4	3307.4	3361.9
30°	2987.8	3207.7	3172.7	3341.5	3448.9
32.5°	2825.0	3076.4	3108.0	3441.2	3616.8
35°	2663.9	2945.2	3092.6	3606.6	3837.6
37.5°	2485.7	2812.1	3117.3	3797.6	4039.6
40°	2312.6	2682.6	3173.6	3968.9	4173.5
42.5°	2136.2	2566.6	3268.2	4070.4	4229.8
45°	1961.4	2467.8	3373.0	4083.9	4169.2
47.5°	1786.7	2384.3	3445.5	3975.7	3936.5
50°	1617.9	2310.1	3450.6	3715.7	3555.5
52.5°	1460.2	2241.9	3356.8	3301.5	3052.5
55°	1305.9	2161.7	3141.2	2754.2	2448.2
57.5°	1165.3	2050.9	2808.7	2166.0	1831.8
60°	1016.1	1900.9	2379.1	1584.7	1321.2
62.5°	878.8	1714.2	1897.5	1103.1	949.6
65°	749.2	1497.7	1438.0	799.6	687.9
67.5°	612.1	1273.5	1061.3	583.1	511.4
70°	504.6	1065.5	790.2	453.5	411.7
72.5°	394.7	867.7	590.7	368.3	345.2
75°	301.8	700.7	462.0	316.2	300.1
77.5°	222.5	554.1	371.7	279.6	264.2
80°	156.0	436.4	311.1	249.8	243.8
82.5°	104.8	337.6	265.1	237.8	238.7
85°	63.9	249.8	235.3	230.1	232.7
87.5°	30.7	177.3	202.0	209.7	212.3
90°	4.9	117.9	193.1	227.4	237.3
92.5°	13.7	105.4	194.6	241.0	255.8
95°	44.5	142.6	262.6	329.2	357.7
97.5°	219.1	278.7	363.8	439.3	468.6
100°	448.8	511.2	481.2	524.4	534.2
102.5°	692.1	718.7	588.2	555.2	550.5
105°	814.2	831.7	762.3	582.2	544.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	658.2	683.3	706.2	699.5	675.4
115°	564.5	582.1	614.5	624.0	620.8
117.5°	484.5	494.7	526.1	535.4	537.1
120°	402.1	417.7	449.8	456.0	451.9
122.5°	338.2	352.2	380.0	387.8	383.8
125°	279.2	296.3	322.4	330.1	328.6
127.5°	236.3	247.7	274.5	283.8	283.9
130°	206.4	212.8	236.3	245.7	248.2
132.5°	183.7	189.4	207.0	218.7	219.6
135°	166.8	170.0	184.2	195.2	197.6
137.5°	153.0	155.4	166.3	177.3	179.0
140°	140.9	144.1	151.6	161.7	163.4
142.5°	131.3	133.6	139.4	147.8	148.7
145°	124.0	125.5	128.8	134.7	137.3
147.5°	116.7	119.1	120.8	125.8	126.7
150°	111.1	112.7	113.4	115.9	118.4
152.5°	105.4	107.0	107.8	108.6	110.3
155°	100.6	102.2	102.1	102.9	102.9
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	843.7	825.8	675.4	578.4
110°	755.2	781.3	784.9	736.3	658.8



(END OF REPORT)