

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: P826462

Luminaire Tested: **OHBL-12SE-N-UNV-L830-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826462
REPORT IS A COMBINATION OF REPORTS P826152 AND G3-2310-221-8
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-12SE-N-UNV-L830-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

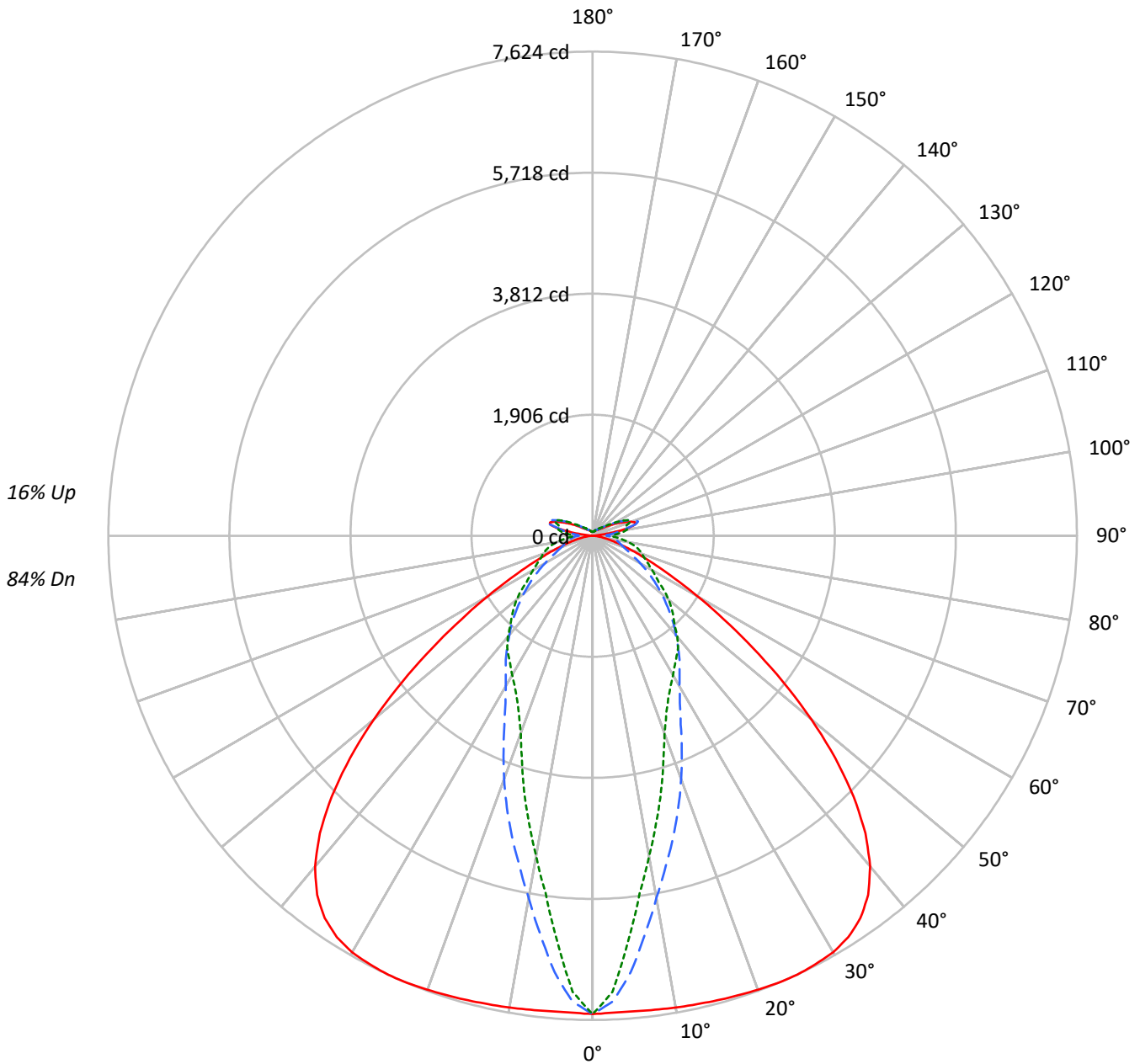
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12781.1 lumens
Efficiency: N/A
Efficacy: 155.3 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 82.3
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	115	115	115	115	111	111	111	111	102	102	102	95	95	95	87	87	87	84																			
1	106	101	98	94	102	98	94	91	91	88	85	84	82	80	78	76	75	72																			
2	97	90	84	79	93	87	81	76	81	76	72	75	71	68	70	67	65	62																			
3	90	80	73	67	86	77	71	65	72	67	62	68	63	59	63	59	56	54																			
4	83	72	64	58	79	70	62	57	65	59	54	61	56	52	57	53	50	47																			
5	77	65	57	51	74	63	56	50	59	53	48	56	50	46	52	48	44	42																			
6	71	59	51	45	68	57	50	44	54	48	43	51	46	41	48	43	40	38																			
7	66	54	46	41	64	53	45	40	50	43	39	47	41	37	44	40	36	34																			
8	62	50	42	37	60	48	41	36	46	40	35	44	38	34	41	36	33	31																			
9	58	46	39	33	56	45	38	33	43	36	32	40	35	31	38	34	30	28																			
10	55	43	35	31	53	42	35	30	40	34	29	38	32	29	36	31	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24502	24502	24502
5°	24144	22190	20847
10°	24110	18589	16798
15°	24270	15810	13856
20°	24627	13293	11265
25°	25134	10938	9923
30°	25630	9365	9272
35°	25758	8478	8889
40°	24886	7602	8492
45°	22457	6814	7925
50°	18532	5964	7507
55°	13718	5167	6754
60°	9311	4373	6556
65°	6013	3704	6534
70°	3889	3400	7024
75°	2496	3400	7784
80°	1516	3591	8519
85°	699	4130	10159



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	634.0	5.0
10°-20°	1491.4	11.7
20°-30°	1869.5	14.6
30°-40°	1983.7	15.5
40°-50°	1793.6	14.0
50°-60°	1300.5	10.2
60°-70°	816.1	6.4
70°-80°	540.1	4.2
80°-90°	315.3	2.5
90°-100°	310.1	2.4
100°-110°	657.4	5.1
110°-120°	539.6	4.2
120°-130°	259.4	2.0
130°-140°	128.3	1.0
140°-150°	74.0	0.6
150°-160°	42.0	0.3
160°-170°	20.0	0.2
170°-180°	6.1	0.0
0°-30°	3994.8	31.3
0°-40°	5978.5	46.8
0°-60°	9072.6	71.0
0°-90°	10744.1	84.1
90°-120°	1507.1	11.8
90°-150°	1968.8	15.4
90°-180°	2037.0	15.9
0°-180°	12781.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7531	7531	7531	7531	7531	
5°	7516	7324	6893	6574	6408	718
15°	7574	6173	4903	4360	4162	2148
25°	7624	4773	3283	2914	2821	3522
35°	7351	3173	2383	2308	2307	4570
45°	5811	2010	1727	1768	1798	4427
55°	3076	1246	1127	1222	1266	2780
65°	1100	722	652	836	929	1145
75°	340	389	438	680	721	379
85°	60	161	320	446	409	71
90°	4	91	217	304	310	6
95°	38	124	283	378	410	114
105°	695	715	702	568	541	660
115°	485	505	562	577	578	489
125°	241	255	291	301	298	226
135°	145	149	163	175	176	115
145°	109	112	116	123	122	69
155°	89	93	94	96	94	40
165°	69	70	70	71	71	20
175°	62	62	63	63	63	6
180°	62	62	62	62	62	



TEST NUMBER: P826462

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7531.4	7531.4	7531.4	7531.4	7531.4
2.5°	7515.5	7472.5	7338.5	7256.8	7188.0
5°	7516.3	7323.5	6893.4	6573.7	6408.1
7.5°	7527.1	7098.4	6323.5	5856.9	5674.8
10°	7543.5	6819.6	5791.7	5294.2	5124.4
12.5°	7555.7	6505.6	5323.6	4812.6	4626.2
15°	7573.6	6173.0	4902.8	4360.2	4162.4
17.5°	7590.1	5859.8	4487.1	3920.2	3700.1
20°	7606.6	5522.2	4071.4	3487.2	3305.9
22.5°	7622.4	5165.9	3665.6	3151.0	3027.0
25°	7623.8	4773.1	3282.9	2913.8	2821.3
27.5°	7605.2	4366.0	2972.6	2715.2	2657.9
30°	7573.0	3971.1	2731.7	2571.9	2531.0
32.5°	7492.6	3568.2	2545.3	2433.5	2409.9
35°	7350.7	3173.2	2382.6	2308.1	2307.3
37.5°	7127.0	2822.7	2206.3	2193.4	2209.1
40°	6796.6	2515.9	2039.3	2073.6	2073.6
42.5°	6355.8	2249.3	1888.0	1923.2	1913.9
45°	5811.0	2009.9	1726.7	1768.3	1798.4
47.5°	5179.6	1799.1	1561.8	1642.2	1683.7
50°	4492.8	1598.4	1411.4	1513.8	1561.2
52.5°	3773.2	1412.8	1264.4	1382.0	1419.9
55°	3076.5	1245.8	1126.8	1222.1	1265.8
57.5°	2445.7	1086.7	992.1	1082.3	1172.7
60°	1903.1	949.7	865.1	994.2	1084.5
62.5°	1453.6	827.9	746.2	911.8	1002.1
65°	1100.3	722.5	652.3	835.8	929.0
67.5°	829.3	631.5	579.2	780.6	871.7
70°	622.9	543.4	520.4	746.2	827.9
72.5°	460.2	462.3	473.8	716.1	778.4
75°	339.7	389.3	437.9	680.2	721.1
77.5°	243.0	322.5	405.7	637.2	651.6
80°	168.4	263.1	372.0	580.6	568.4
82.5°	105.3	210.8	341.9	518.2	484.5
85°	59.5	161.3	320.4	445.8	409.3
87.5°	26.5	120.4	280.3	347.7	324.7
90°	3.7	90.6	217.3	303.5	310.3
92.5°	13.5	86.6	222.5	310.2	324.8
95°	38.2	123.6	283.4	377.6	410.0
97.5°	185.1	239.8	374.8	468.8	492.4
100°	378.4	430.0	470.6	535.2	547.9
102.5°	590.3	618.8	552.2	554.2	554.4
105°	695.3	714.6	701.5	568.1	540.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	567.4	588.3	642.4	651.1	631.5
115°	485.3	505.2	562.3	576.8	578.1
117.5°	415.2	428.8	481.6	497.6	499.2
120°	348.2	363.4	410.1	422.4	420.5
122.5°	292.4	306.5	347.0	356.4	353.8
125°	241.2	255.3	291.2	301.0	298.4
127.5°	205.2	215.0	247.0	256.1	253.5
130°	179.1	187.0	209.8	220.8	221.8
132.5°	160.7	164.9	183.4	194.4	196.3
135°	144.9	149.1	163.1	174.9	175.9
137.5°	132.8	137.7	147.2	158.4	159.3
140°	122.6	126.7	133.9	144.3	145.3
142.5°	114.9	118.4	124.0	132.1	133.1
145°	109.1	111.7	115.9	122.6	121.8
147.5°	102.5	105.9	108.5	113.9	113.2
150°	97.0	101.1	102.9	106.0	106.2
152.5°	93.2	96.4	98.3	100.6	99.8
155°	88.6	92.7	94.3	95.9	94.5
157.5°	77.2	78.2	79.1	80.0	80.0
160°	74.4	74.4	75.4	76.3	76.3
162.5°	71.7	71.7	72.6	73.5	73.5
165°	68.9	69.8	69.8	70.7	70.7
167.5°	67.0	67.0	67.9	67.9	68.9
170°	65.1	65.1	66.1	66.1	66.1
172.5°	63.3	64.2	64.2	64.2	64.2
175°	62.3	62.3	63.3	63.3	63.3
177.5°	61.4	62.3	62.3	62.3	62.3
180°	62.3	62.3	62.3	62.3	62.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	701.8	725.5	751.1	639.9	564.0
110°	643.9	671.4	716.6	687.3	628.1



(END OF REPORT)