

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: P826466

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826466
REPORT IS A COMBINATION OF REPORTS P826154 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-W-UNV-L830-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

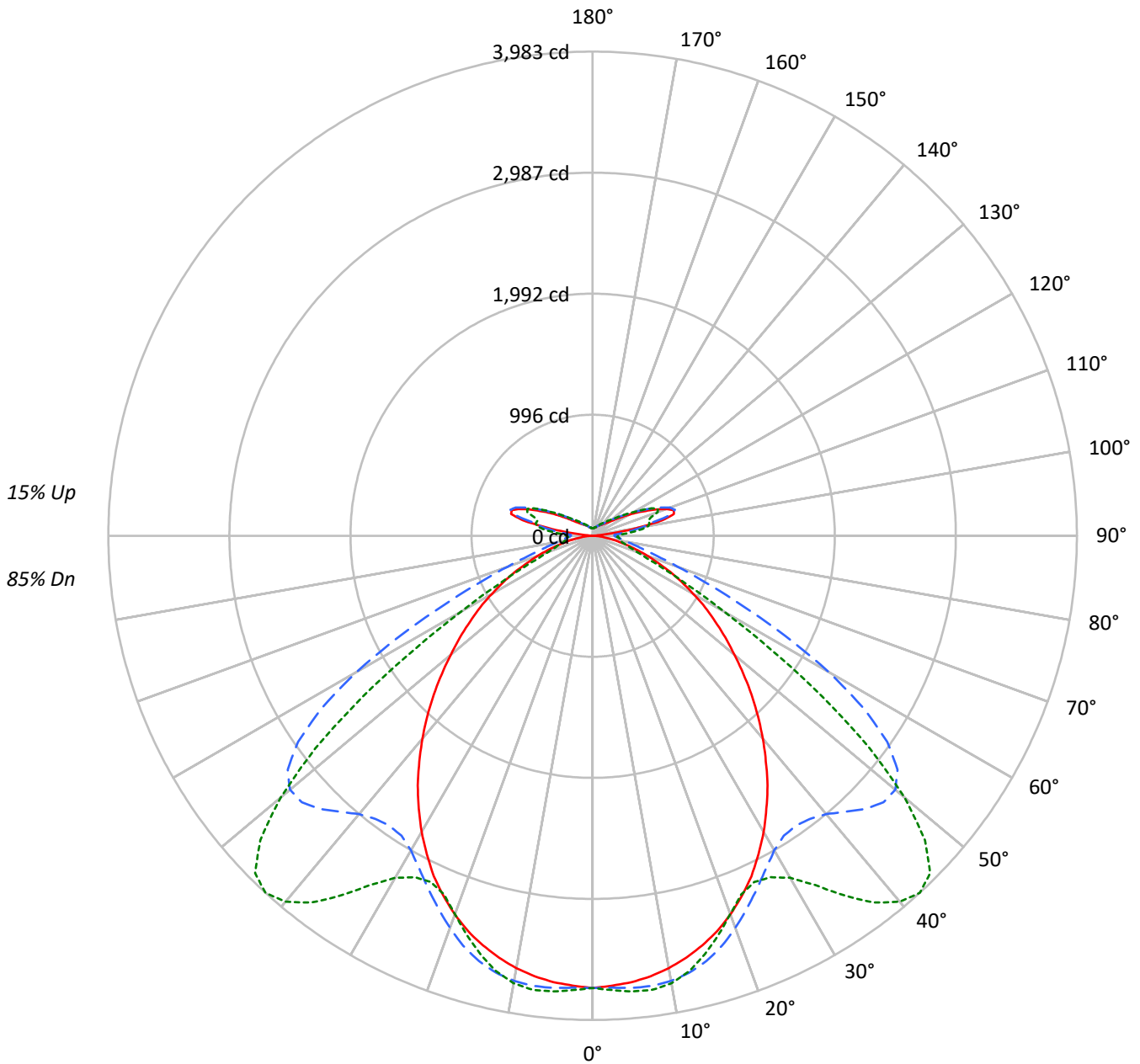
Lumens per Lamp: N/A
Luminaire Lumens: 12804.4 lumens
Efficiency: N/A
Efficacy: 155.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 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

TEST NUMBER: P826466

CATALOG NUMBER: OHBL-12SE-W-UNV-L830-CD-UPL18

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	116	116	116	116	111	111	111	111	103	103	103	95	95	95	88	88	88	85			
1	106	101	97	94	102	98	94	91	91	88	85	84	82	80	78	77	75	72			
2	96	89	82	77	93	86	80	75	80	75	71	74	70	67	69	66	63	60			
3	88	78	70	64	84	75	68	62	70	64	59	66	61	57	61	57	54	51			
4	80	69	60	54	77	67	59	53	62	56	51	58	53	48	54	50	46	44			
5	74	61	53	46	71	59	51	45	56	49	44	52	46	42	49	44	40	38			
6	68	55	46	40	65	53	45	39	50	43	38	47	41	36	44	39	35	33			
7	63	50	41	35	60	48	40	35	45	38	33	43	37	32	40	35	31	29			
8	58	45	37	31	56	44	36	31	41	34	30	39	33	28	37	31	27	25			
9	54	41	33	28	52	40	33	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	31	26	22	20			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12103	12103	12103
5°	11839	12019	12241
10°	11544	11935	12255
15°	11175	11673	11863
20°	10729	11208	11281
25°	10187	10662	11055
30°	9521	10242	11896
35°	8789	10361	13921
40°	7973	11140	16093
45°	7137	12533	17299
50°	6284	13730	16098
55°	5483	13563	12300
60°	4680	11322	7521
65°	3856	7689	4556
70°	2966	4862	3289
75°	2087	3377	3049
80°	1322	2827	3441
85°	707	2856	5438



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.5	2.8
10°-20°	1006.7	7.9
20°-30°	1473.1	11.5
30°-40°	1913.1	14.9
40°-50°	2336.2	18.2
50°-60°	2057.4	16.1
60°-70°	1072.1	8.4
70°-80°	459.7	3.6
80°-90°	225.0	1.8
90°-100°	263.1	2.1
100°-110°	617.8	4.8
110°-120°	513.5	4.0
120°-130°	249.0	1.9
130°-140°	124.5	1.0
140°-150°	71.2	0.6
150°-160°	40.4	0.3
160°-170°	20.0	0.2
170°-180°	6.1	0.0
0°-30°	2835.3	22.1
0°-40°	4748.4	37.1
0°-60°	9141.9	71.4
0°-90°	10898.7	85.1
90°-120°	1394.4	10.9
90°-150°	1839.1	14.4
90°-180°	1906.0	14.9
0°-180°	12804.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3720	3720	3720	3720	3720	
5°	3686	3714	3734	3767	3763	350
15°	3487	3585	3620	3592	3564	982
25°	3090	3256	3200	3140	3143	1418
35°	2508	2773	2912	3396	3613	1563
45°	1847	2324	3176	3845	3926	1424
55°	1230	2035	2958	2593	2305	1104
65°	706	1410	1354	753	648	698
75°	284	660	435	298	282	310
85°	60	235	222	217	219	67
90°	5	108	178	209	218	7
95°	37	126	236	292	318	112
105°	693	711	658	501	471	658
115°	482	499	529	533	534	486
125°	238	252	278	285	284	224
135°	143	145	158	169	170	113
145°	107	107	111	116	118	67
155°	86	88	88	89	89	40
165°	69	70	70	71	71	20
175°	62	62	63	63	63	6
180°	62	62	62	62	62	



TEST NUMBER: P826466

CATALOG NUMBER: OHBL-12SE-W-UNV-L830-CD-UPL18

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3720.2	3720.2	3720.2	3720.2	3720.2
2.5°	3704.1	3720.2	3720.9	3743.4	3741.0
5°	3685.7	3713.8	3733.8	3766.7	3762.7
7.5°	3655.1	3699.2	3734.6	3770.7	3767.4
10°	3611.8	3672.0	3718.5	3748.2	3738.6
12.5°	3555.6	3635.0	3680.8	3687.2	3668.8
15°	3487.4	3585.3	3619.8	3592.5	3563.7
17.5°	3410.3	3525.1	3537.1	3477.8	3441.7
20°	3314.0	3444.8	3432.8	3350.9	3310.8
22.5°	3207.3	3356.5	3318.0	3232.2	3193.7
25°	3090.1	3255.5	3200.1	3139.9	3143.0
27.5°	2952.8	3140.6	3086.8	3114.2	3165.6
30°	2813.2	3020.2	2987.4	3146.3	3247.4
32.5°	2659.9	2896.6	2926.3	3240.2	3405.6
35°	2508.2	2773.1	2911.9	3395.9	3613.3
37.5°	2340.4	2647.8	2935.2	3575.7	3803.6
40°	2177.5	2525.8	2988.1	3737.0	3929.6
42.5°	2011.4	2416.7	3077.3	3832.5	3982.6
45°	1846.8	2323.6	3176.0	3845.3	3925.6
47.5°	1682.3	2245.0	3244.2	3743.4	3706.5
50°	1523.4	2175.1	3249.0	3498.6	3347.8
52.5°	1374.9	2110.9	3160.7	3108.5	2874.2
55°	1229.6	2035.4	2957.7	2593.3	2305.1
57.5°	1097.2	1931.1	2644.6	2039.5	1724.8
60°	956.7	1789.8	2240.1	1492.1	1244.1
62.5°	827.5	1614.0	1786.7	1038.6	894.1
65°	705.5	1410.2	1354.1	752.8	647.8
67.5°	576.3	1199.1	999.2	549.0	481.6
70°	475.1	1003.2	744.1	427.0	387.7
72.5°	371.6	817.0	556.2	346.7	325.0
75°	284.1	659.8	435.0	297.8	282.5
77.5°	209.5	521.7	350.0	263.3	248.8
80°	146.8	410.9	292.9	235.2	229.6
82.5°	98.7	317.9	249.6	223.9	224.7
85°	60.2	235.2	221.6	216.7	219.1
87.5°	28.9	166.9	190.2	197.5	199.9
90°	4.6	108.3	177.7	208.8	217.5
92.5°	12.1	95.8	179.6	220.0	231.4
95°	36.9	126.1	236.5	291.8	318.2
97.5°	183.0	239.2	325.8	387.7	404.9
100°	376.5	428.1	422.6	458.4	466.4
102.5°	587.7	615.7	505.9	482.7	478.7
105°	692.8	711.1	658.0	501.1	471.0



TEST NUMBER: P826466

CATALOG NUMBER: OHBL-12SE-W-UNV-L830-CD-UPL18

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	565.0	583.2	605.7	602.1	580.4
115°	482.2	499.1	528.6	533.4	534.1
117.5°	412.2	423.9	452.2	460.0	461.7
120°	345.2	358.2	385.2	392.0	391.0
122.5°	289.4	301.9	328.1	334.2	333.1
125°	238.2	251.8	277.6	284.8	283.6
127.5°	202.1	211.2	237.3	244.4	243.3
130°	176.1	182.6	202.6	211.5	214.1
132.5°	158.4	161.2	178.0	186.9	190.4
135°	142.6	145.4	158.0	168.7	170.5
137.5°	130.5	133.3	142.6	152.4	155.0
140°	120.2	123.0	129.0	138.9	140.6
142.5°	112.6	114.6	119.9	127.2	128.9
145°	106.9	107.2	110.7	116.5	118.1
147.5°	100.4	101.4	103.3	108.4	109.2
150°	94.8	96.7	97.0	99.5	102.0
152.5°	91.1	92.0	92.3	93.2	94.8
155°	86.4	88.3	87.7	88.6	88.6
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°	700.1	720.9	709.5	579.8	500.5
110°	641.4	666.6	676.3	633.3	570.8



(END OF REPORT)