

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: P828266

Luminaire Tested: **OHBL-12SE-W-UNV-L940-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828266
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-L940-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

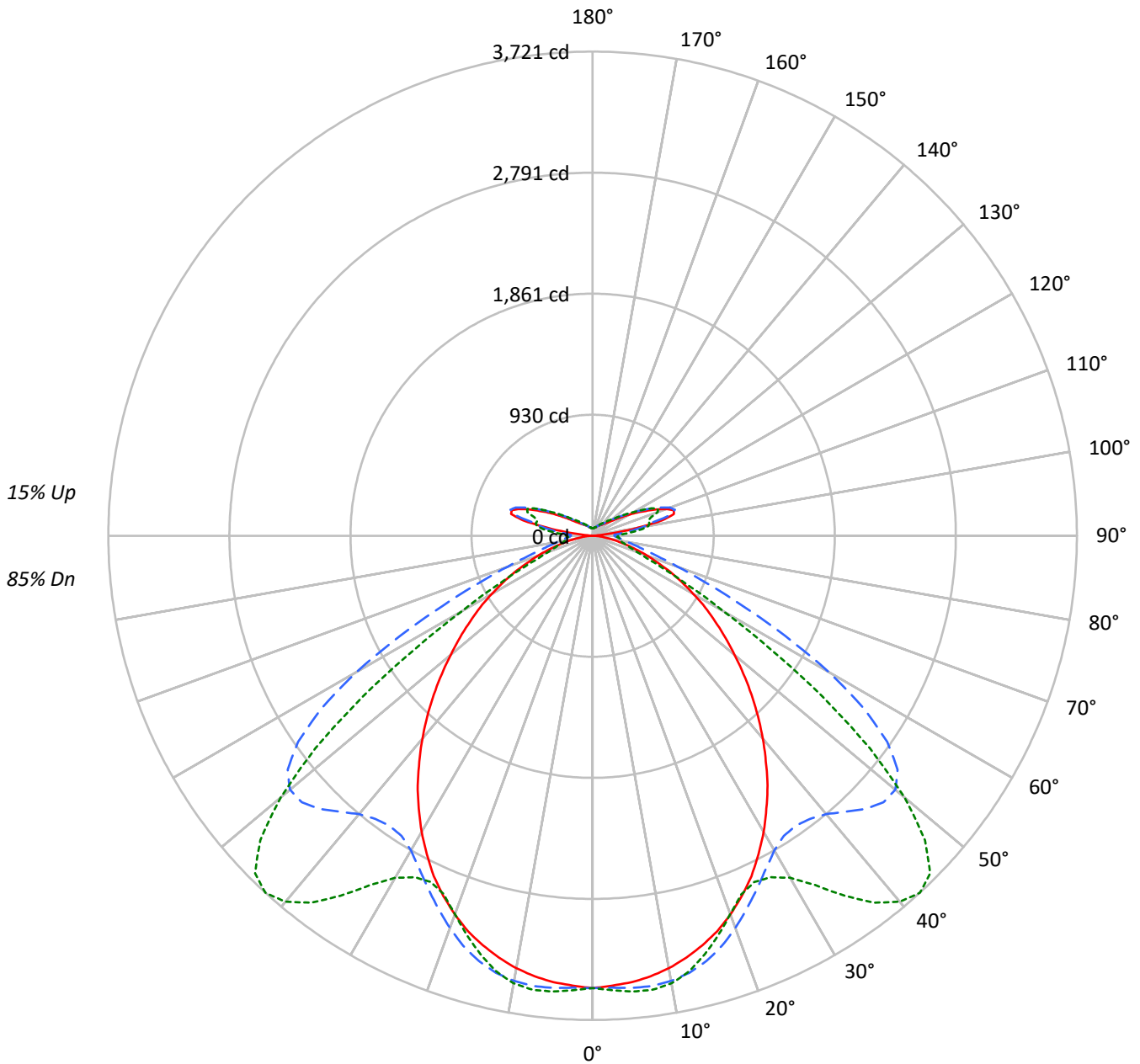
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11963.5 lumens
Efficiency: N/A
Efficacy: 145.4 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 (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				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°	11308	11308	11308
5°	11062	11230	11437
10°	10786	11151	11450
15°	10441	10906	11083
20°	10025	10472	10541
25°	9518	9962	10329
30°	8895	9569	11115
35°	8212	9681	13007
40°	7449	10408	15037
45°	6668	11710	16163
50°	5871	12828	15041
55°	5123	12672	11492
60°	4373	10579	7027
65°	3603	7183	4256
70°	2772	4542	3073
75°	1950	3156	2850
80°	1236	2642	3215
85°	661	2668	5083



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.2	2.8
10°-20°	940.6	7.9
20°-30°	1376.4	11.5
30°-40°	1787.5	14.9
40°-50°	2182.7	18.2
50°-60°	1922.3	16.1
60°-70°	1001.7	8.4
70°-80°	429.6	3.6
80°-90°	210.2	1.8
90°-100°	245.8	2.1
100°-110°	577.2	4.8
110°-120°	479.8	4.0
120°-130°	232.7	1.9
130°-140°	116.3	1.0
140°-150°	66.5	0.6
150°-160°	37.7	0.3
160°-170°	18.7	0.2
170°-180°	5.7	0.0
0°-30°	2649.1	22.1
0°-40°	4436.6	37.1
0°-60°	8541.5	71.4
0°-90°	10183.0	85.1
90°-120°	1302.8	10.9
90°-150°	1718.3	14.4
90°-180°	1780.0	14.9
0°-180°	11963.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3476	3476	3476	3476	3476	
5°	3444	3470	3489	3519	3516	327
15°	3258	3350	3382	3357	3330	917
25°	2887	3042	2990	2934	2937	1325
35°	2344	2591	2721	3173	3376	1461
45°	1726	2171	2967	3593	3668	1331
55°	1149	1902	2763	2423	2154	1031
65°	659	1318	1265	703	605	652
75°	265	616	406	278	264	289
85°	56	220	207	202	205	63
90°	4	101	166	195	203	6
95°	34	118	221	273	297	105
105°	647	664	615	468	440	614
115°	450	466	494	498	499	455
125°	223	235	259	266	265	209
135°	133	136	148	158	159	105
145°	100	100	104	109	110	63
155°	81	82	82	83	83	37
165°	64	65	65	66	66	18
175°	58	58	59	59	59	6
180°	58	58	58	58	58	



TEST NUMBER: P828266

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3475.9	3475.9	3475.9	3475.9	3475.9
2.5°	3460.8	3475.9	3476.6	3497.6	3495.3
5°	3443.6	3469.9	3488.6	3519.3	3515.6
7.5°	3415.1	3456.3	3489.3	3523.1	3520.0
10°	3374.6	3430.8	3474.3	3502.0	3493.1
12.5°	3322.1	3396.3	3439.1	3445.1	3427.9
15°	3258.3	3349.9	3382.1	3356.6	3329.6
17.5°	3186.3	3293.6	3304.8	3249.4	3215.6
20°	3096.4	3218.6	3207.4	3130.9	3093.4
22.5°	2996.6	3136.1	3100.1	3019.9	2983.9
25°	2887.2	3041.7	2989.9	2933.7	2936.6
27.5°	2758.9	2934.4	2884.1	2909.7	2957.7
30°	2628.4	2821.9	2791.2	2939.7	3034.1
32.5°	2485.2	2706.4	2734.1	3027.4	3181.9
35°	2343.5	2590.9	2720.7	3172.9	3376.1
37.5°	2186.7	2473.9	2742.4	3340.8	3553.9
40°	2034.5	2359.9	2791.9	3491.6	3671.6
42.5°	1879.3	2257.9	2875.2	3580.8	3721.0
45°	1725.5	2171.0	2967.4	3592.8	3667.8
47.5°	1571.8	2097.5	3031.1	3497.6	3463.1
50°	1423.4	2032.2	3035.7	3268.9	3127.9
52.5°	1284.6	1972.2	2953.2	2904.4	2685.5
55°	1148.9	1901.7	2763.4	2423.0	2153.7
57.5°	1025.2	1804.3	2471.0	1905.6	1611.5
60°	893.9	1672.3	2093.0	1394.1	1162.4
62.5°	773.2	1508.1	1669.3	970.4	835.4
65°	659.2	1317.6	1265.1	703.4	605.2
67.5°	538.4	1120.4	933.6	513.0	449.9
70°	443.9	937.3	695.2	399.0	362.2
72.5°	347.2	763.4	519.7	324.0	303.7
75°	265.4	616.4	406.5	278.2	264.0
77.5°	195.7	487.4	327.0	246.0	232.5
80°	137.2	383.9	273.7	219.7	214.5
82.5°	92.2	297.0	233.2	209.2	210.0
85°	56.3	219.7	207.0	202.5	204.8
87.5°	27.0	156.0	177.7	184.5	186.8
90°	4.3	101.2	166.1	195.1	203.2
92.5°	11.3	89.5	167.8	205.5	216.2
95°	34.5	117.8	220.9	272.7	297.3
97.5°	171.0	223.4	304.4	362.2	378.3
100°	351.8	399.9	394.8	428.3	435.8
102.5°	549.1	575.2	472.7	451.0	447.2
105°	647.3	664.4	614.8	468.2	440.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	527.9	544.9	565.9	562.5	542.3
115°	450.5	466.3	493.8	498.4	499.1
117.5°	385.2	396.0	422.6	429.8	431.4
120°	322.6	334.6	360.0	366.3	365.3
122.5°	270.4	282.0	306.6	312.2	311.3
125°	222.6	235.3	259.4	266.0	265.0
127.5°	188.8	197.4	221.7	228.3	227.4
130°	164.5	170.6	189.3	197.6	200.1
132.5°	148.0	150.6	166.3	174.7	177.9
135°	133.2	135.8	147.6	157.6	159.3
137.5°	121.9	124.5	133.2	142.4	144.8
140°	112.3	114.9	120.5	129.8	131.4
142.5°	105.2	107.1	112.0	118.9	120.4
145°	99.9	100.2	103.5	108.9	110.3
147.5°	93.8	94.8	96.5	101.3	102.1
150°	88.6	90.3	90.6	92.9	95.3
152.5°	85.1	86.0	86.2	87.1	88.6
155°	80.8	82.5	81.9	82.8	82.8
157.5°	72.2	73.0	73.9	74.8	74.8
160°	69.6	69.6	70.4	71.3	71.3
162.5°	66.9	66.9	67.8	68.7	68.7
165°	64.3	65.2	65.2	66.1	66.1
167.5°	62.6	62.6	63.5	63.5	64.3
170°	60.9	60.9	61.7	61.7	61.7
172.5°	59.1	60.0	60.0	60.0	60.0
175°	58.3	58.3	59.1	59.1	59.1
177.5°	57.4	58.3	58.3	58.3	58.3
180°	58.3	58.3	58.3	58.3	58.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	654.1	673.6	663.0	541.8	467.6
110°	599.3	622.8	631.9	591.7	533.3



(END OF REPORT)