

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: P828386

Luminaire Tested: **OHBL-30SE-W-UNV-L940-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828386
REPORT IS A COMBINATION OF REPORTS P826286 AND G3-2310-221-4
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30SE-W-UNV-L940-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

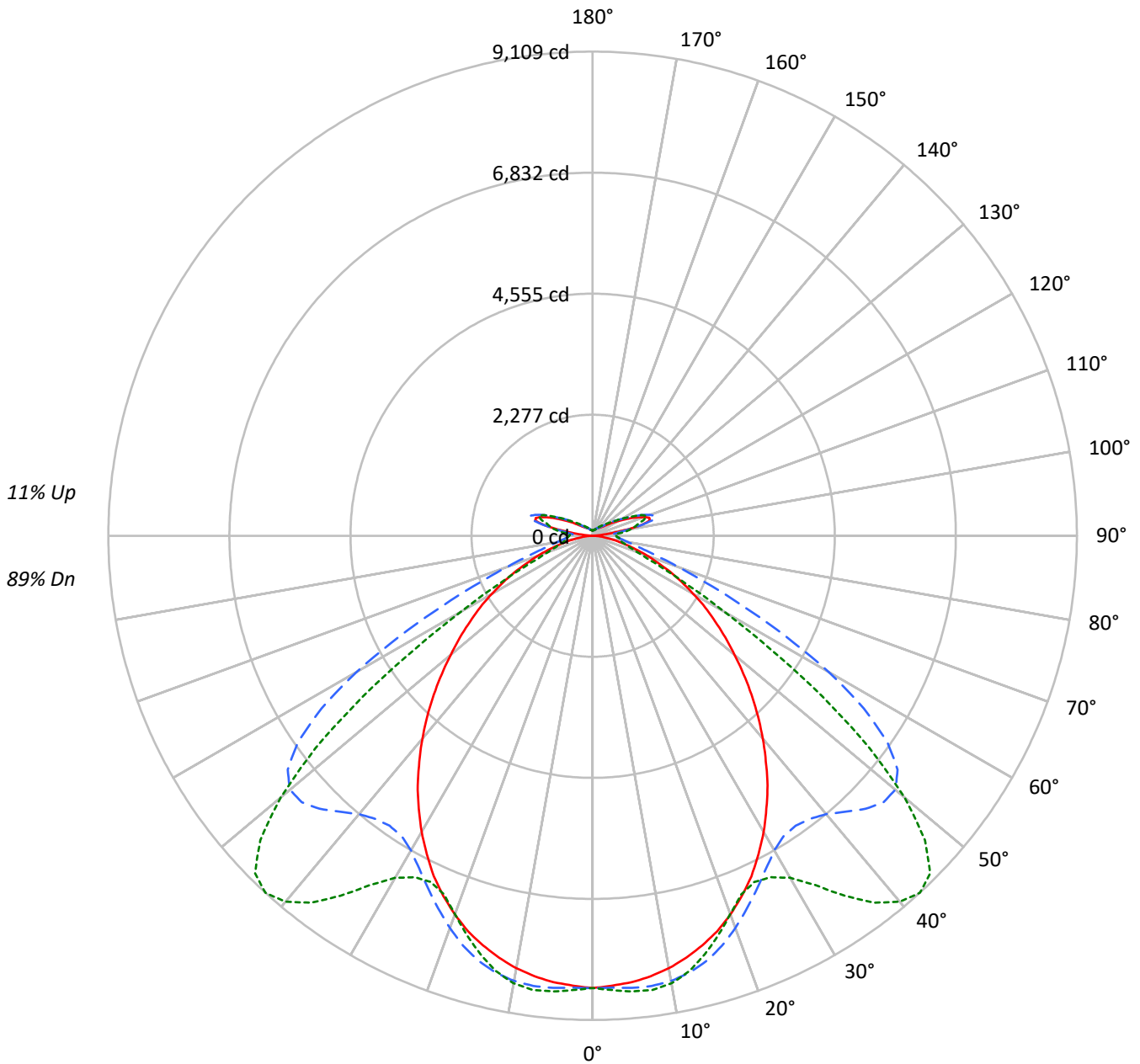
Lumens per Lamp: N/A
Luminaire Lumens: 28139.5 lumens
Efficiency: N/A
Efficacy: 142.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 197.2
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					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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89								
1	107	102	98	94	103	99	95	92	92	89	87	87	84	82	81	79	78	75								
2	97	89	83	77	94	86	81	76	81	76	72	76	72	69	72	68	66	63								
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	63	59	56	53								
4	81	69	61	54	78	67	60	54	63	57	52	60	54	50	56	52	48	45								
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	46	41	39								
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	46	40	36	34								
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	42	36	32	30								
8	59	46	37	31	57	44	37	31	42	35	30	40	34	29	38	33	28	26								
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24								
10	51	38	30	25	49	37	30	25	36	29	24	34	28	24	32	27	23	21								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14533	14533	14533
5°	14327	14512	14698
10°	14079	14490	14716
15°	13736	14251	14244
20°	13293	13761	13546
25°	12726	13168	13275
30°	11997	12727	14285
35°	11179	12962	16716
40°	10245	14038	19325
45°	9275	15923	20772
50°	8272	17607	19330
55°	7328	17585	14770
60°	6371	14876	9030
65°	5370	10271	5470
70°	4257	6640	3950
75°	3123	4757	3662
80°	2109	4177	4132
85°	1259	4586	6530



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	813.1	2.9
10°-20°	2302.5	8.2
20°-30°	3369.2	12.0
30°-40°	4375.7	15.5
40°-50°	5343.2	19.0
50°-60°	4705.6	16.7
60°-70°	2452.1	8.7
70°-80°	1051.5	3.7
80°-90°	510.7	1.8
90°-100°	443.0	1.6
100°-110°	1078.0	3.8
110°-120°	853.3	3.0
120°-130°	408.9	1.5
130°-140°	206.0	0.7
140°-150°	118.0	0.4
150°-160°	66.4	0.2
160°-170°	32.4	0.1
170°-180°	9.9	0.0
0°-30°	6484.8	23.0
0°-40°	10860.5	38.6
0°-60°	20909.3	74.3
0°-90°	24923.6	88.6
90°-120°	2374.3	8.4
90°-150°	3107.2	11.0
90°-180°	3216.0	11.4
0°-180°	28139.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8509	8509	8509	8509	8509	
5°	8430	8494	8540	8615	8606	799
15°	7976	8200	8279	8217	8151	2246
25°	7068	7446	7319	7181	7189	3243
35°	5737	6342	6660	7767	8264	3576
45°	4224	5314	7264	8795	8979	3257
55°	2812	4655	6765	5931	5272	2524
65°	1614	3225	3097	1722	1481	1596
75°	650	1509	995	681	646	709
85°	138	538	507	496	501	154
90°	8	230	381	435	444	14
95°	53	214	388	466	486	182
105°	1118	1183	1206	983	894	1056
115°	778	804	872	900	888	780
125°	390	407	462	469	466	364
135°	233	237	261	285	287	183
145°	176	175	182	194	198	111
155°	144	147	145	147	147	65
165°	111	112	113	115	115	32
175°	101	102	102	103	103	10
180°	100	100	100	100	100	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8508.6	8508.6	8508.6	8508.6	8508.6
2.5°	8472.0	8508.6	8510.5	8561.9	8556.4
5°	8429.7	8494.0	8539.9	8615.2	8605.9
7.5°	8360.0	8460.9	8541.7	8624.4	8617.0
10°	8260.9	8398.5	8505.0	8572.9	8550.9
12.5°	8132.3	8314.1	8418.7	8433.4	8391.2
15°	7976.3	8200.3	8279.2	8216.8	8150.7
17.5°	7800.0	8062.6	8090.1	7954.3	7871.7
20°	7579.8	7879.0	7851.5	7664.2	7572.4
22.5°	7335.6	7677.1	7588.9	7392.5	7304.5
25°	7067.6	7445.7	7319.1	7181.4	7188.7
27.5°	6753.7	7183.3	7060.2	7122.7	7240.2
30°	6434.3	6907.9	6832.6	7196.1	7427.4
32.5°	6083.7	6625.2	6693.2	7410.9	7789.1
35°	5736.7	6342.5	6660.1	7767.0	8264.5
37.5°	5353.0	6056.1	6713.3	8178.3	8699.6
40°	4980.4	5777.1	6834.4	8547.2	8987.8
42.5°	4600.4	5527.4	7038.2	8765.7	9109.0
45°	4224.0	5314.5	7264.0	8795.0	8978.7
47.5°	3847.7	5134.6	7420.1	8561.9	8477.4
50°	3484.2	4974.9	7431.1	8002.0	7656.8
52.5°	3144.6	4828.0	7229.2	7109.8	6573.8
55°	2812.4	4655.4	6764.7	5931.3	5272.2
57.5°	2509.5	4416.8	6048.8	4664.7	3945.0
60°	2188.2	4093.7	5123.5	3412.7	2845.4
62.5°	1892.7	3691.7	4086.4	2375.4	2045.0
65°	1613.6	3225.4	3096.9	1721.9	1481.4
67.5°	1318.1	2742.6	2285.5	1255.7	1101.4
70°	1086.7	2294.6	1701.8	976.6	886.7
72.5°	850.0	1868.8	1272.2	793.0	743.5
75°	649.8	1509.0	995.0	681.0	646.2
77.5°	479.2	1193.2	800.4	602.1	569.1
80°	336.0	939.9	670.1	537.8	525.1
82.5°	225.8	726.9	570.9	512.2	514.0
85°	137.7	537.8	506.6	495.7	501.1
87.5°	66.1	381.9	435.1	451.6	457.1
90°	7.9	230.2	381.1	434.9	444.0
92.5°	18.3	193.0	351.1	411.9	422.8
95°	53.2	213.8	387.9	465.9	486.5
97.5°	306.2	394.5	499.5	589.8	629.2
100°	602.8	712.0	683.3	737.0	746.9
102.5°	948.0	1031.4	940.4	852.1	829.7
105°	1117.6	1183.2	1205.5	983.0	893.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	901.4	941.3	1019.3	1033.7	1016.5
115°	777.9	803.5	872.5	899.8	887.8
117.5°	659.7	684.3	746.6	761.6	756.5
120°	557.1	579.7	631.1	647.9	642.8
122.5°	467.6	489.8	543.7	554.4	548.4
125°	390.2	407.0	461.5	469.4	466.0
127.5°	331.0	340.6	388.8	406.3	403.9
130°	286.7	293.6	335.3	355.4	358.2
132.5°	256.2	262.3	294.0	315.0	317.9
135°	232.8	237.1	260.7	285.2	287.0
137.5°	211.9	218.0	235.1	257.0	260.7
140°	197.1	201.5	213.1	233.2	235.9
142.5°	185.9	187.5	197.4	213.8	216.5
145°	176.4	175.4	181.5	194.2	198.0
147.5°	166.0	167.6	171.1	180.1	182.0
150°	158.2	160.8	160.6	165.1	169.6
152.5°	151.2	152.9	151.9	153.6	157.3
155°	144.2	146.8	144.9	146.7	146.7
157.5°	124.3	126.1	127.8	128.7	129.5
160°	120.0	120.9	122.6	123.5	124.3
162.5°	114.8	116.5	117.4	118.2	119.1
165°	111.3	112.2	113.0	114.8	114.8
167.5°	107.8	108.7	109.6	110.4	110.4
170°	105.2	106.1	106.9	106.9	106.9
172.5°	102.6	103.5	104.3	104.3	104.3
175°	100.9	101.7	101.7	102.6	102.6
177.5°	100.0	100.9	100.9	100.9	101.7
180°	100.0	100.0	100.0	100.0	100.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1118.6	1182.0	1238.4	1134.9	<i>1016.8</i>
110°	1026.5	1085.1	1149.6	1134.6	<i>1077.4</i>



(END OF REPORT)