

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: P828080

Luminaire Tested: **OHBL-30SE-MFL-UNV-L935-CD-UPL30**

Issue Date: 5/3/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P828080  
REPORT IS A COMBINATION OF REPORTS P826283 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-MFL-UNV-L935-CD-UPL30  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

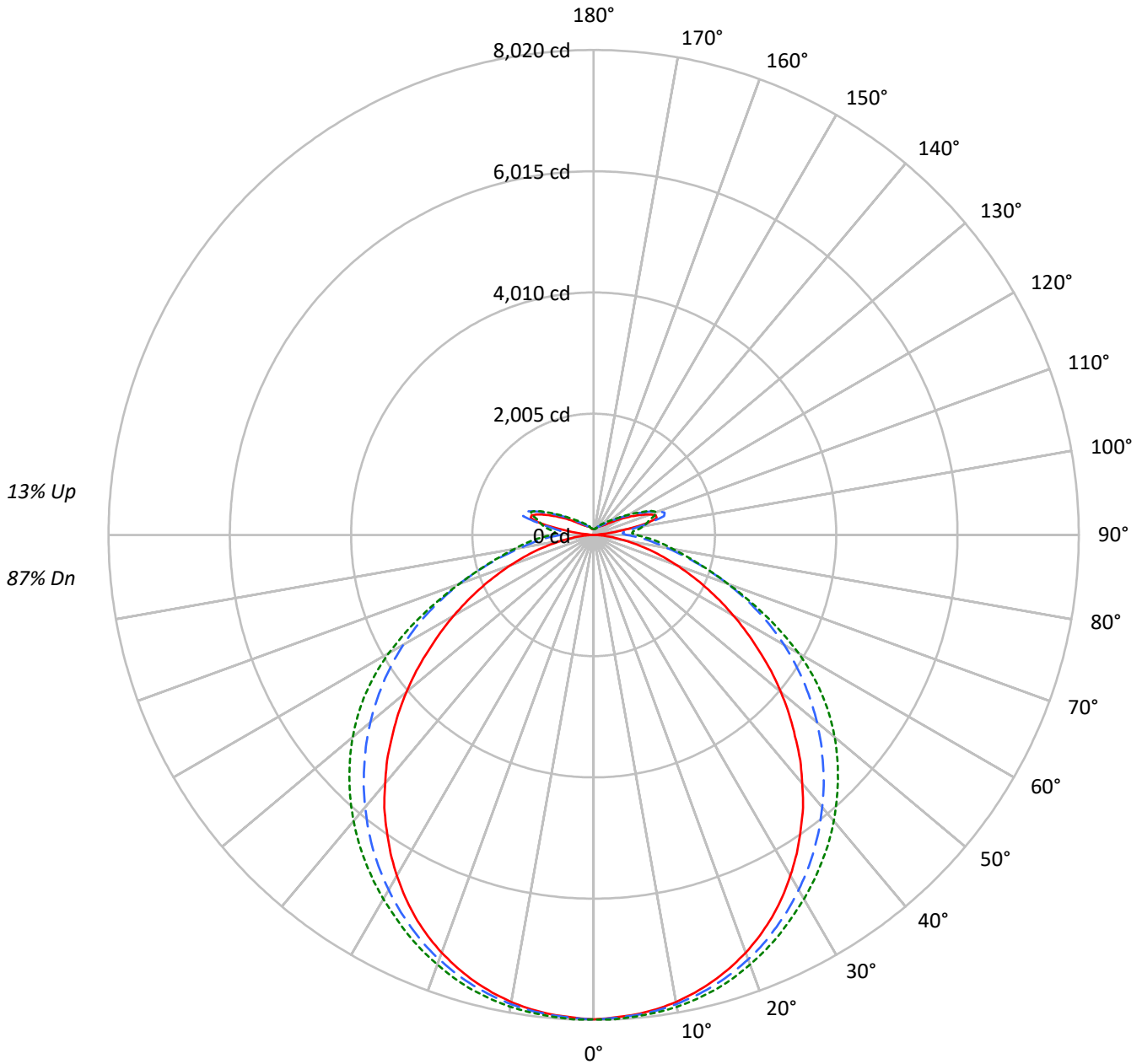
Lumens per Lamp: N/A  
Luminaire Lumens: 26530.8 lumens  
Efficiency: N/A  
Efficacy: 134.5 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 197.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	0
RCR																					
0	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	87			87
1	105	100	96	92	101	97	93	89	90	87	84	84	82	79	79	77	75	72			72
2	96	87	80	75	92	84	78	73	79	74	69	74	70	66	69	66	63	60			60
3	87	77	68	62	84	74	67	61	69	63	58	65	60	55	61	57	53	50			50
4	80	68	59	52	76	66	58	51	62	55	49	58	52	47	54	49	45	43			43
5	73	61	52	45	70	59	50	44	55	48	43	52	46	41	49	44	39	37			37
6	68	54	46	39	65	53	45	39	50	43	37	47	41	36	44	39	35	32			32
7	63	49	41	35	60	48	40	34	45	38	33	43	36	32	40	35	31	29			29
8	58	45	36	31	56	44	36	30	41	34	29	39	33	28	37	32	28	25			25
9	54	41	33	28	52	40	32	27	38	31	26	36	30	26	34	29	25	23			23
10	51	38	30	25	49	37	30	25	35	28	24	33	27	23	32	26	23	21			21

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	13684	13684	13684
5°	13531	13549	13654
10°	13370	13423	13640
15°	13156	13274	13604
20°	12892	13093	13526
25°	12562	12869	13448
30°	12131	12626	13373
35°	11623	12368	13322
40°	11027	12071	13280
45°	10338	11747	13214
50°	9590	11420	13128
55°	8690	11020	12925
60°	7770	10550	12415
65°	6773	9950	11497
70°	5699	9188	10516
75°	4607	8306	10001
80°	3285	7652	10476
85°	1829	7882	13132



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	759.2	2.9
10°-20°	2178.0	8.2
20°-30°	3293.8	12.4
30°-40°	3954.2	14.9
40°-50°	4084.1	15.4
50°-60°	3674.4	13.8
60°-70°	2767.9	10.4
70°-80°	1671.3	6.3
80°-90°	822.8	3.1
90°-100°	541.3	2.0
100°-110°	1088.2	4.1
110°-120°	849.5	3.2
120°-130°	411.7	1.6
130°-140°	209.0	0.8
140°-150°	118.8	0.4
150°-160°	66.0	0.2
160°-170°	31.1	0.1
170°-180°	9.5	0.0
0°-30°	6230.9	23.5
0°-40°	10185.1	38.4
0°-60°	17943.6	67.6
0°-90°	23205.6	87.5
90°-120°	2479.1	9.3
90°-150°	3218.6	12.1
90°-180°	3325.0	12.5
0°-180°	26530.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8012	8012	8012	8012	8012	
5°	7961	7982	7973	8004	7994	756
15°	7639	7677	7712	7777	7784	2154
25°	6977	7053	7153	7265	7282	3209
35°	5965	6104	6355	6547	6586	3729
45°	4708	4945	5359	5651	5712	3635
55°	3335	3680	4239	4559	4614	2990
65°	2035	2451	3000	3149	3114	2022
75°	959	1376	1737	1782	1765	1023
85°	200	528	871	990	1008	231
90°	6	240	543	678	704	17
95°	57	235	489	622	650	180
105°	1078	1153	1206	1026	948	1019
115°	751	780	868	916	909	753
125°	377	394	463	488	489	352
135°	226	234	263	296	304	178
145°	175	175	181	199	204	110
155°	144	148	148	148	150	64
165°	107	108	108	110	110	31
175°	97	98	98	98	98	9
180°	96	96	96	96	96	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8011.9	8011.9	8011.9	8011.9	8011.9
2.5°	7988.4	8008.0	7996.2	8021.8	8019.8
5°	7960.9	7982.5	7972.7	8004.1	7994.3
7.5°	7913.9	7937.4	7935.4	7970.8	7966.8
10°	7845.2	7870.8	7878.6	7925.7	7925.7
12.5°	7751.2	7784.5	7804.1	7860.9	7862.9
15°	7639.3	7676.6	7711.9	7776.7	7784.5
17.5°	7504.1	7551.2	7600.2	7674.7	7684.5
20°	7351.2	7404.1	7470.8	7549.2	7560.9
22.5°	7174.7	7237.4	7323.7	7415.8	7429.6
25°	6976.6	7053.1	7153.1	7264.8	7282.5
27.5°	6751.1	6839.3	6974.7	7100.2	7115.8
30°	6506.0	6609.9	6778.6	6927.6	6953.1
32.5°	6247.2	6366.8	6574.7	6741.3	6776.6
35°	5964.8	6104.1	6355.0	6547.2	6586.4
37.5°	5686.4	5839.3	6123.7	6343.2	6390.3
40°	5360.9	5551.1	5876.6	6119.8	6176.6
42.5°	5055.0	5260.9	5629.5	5894.3	5949.2
45°	4707.9	4945.2	5358.9	5651.1	5711.9
47.5°	4382.4	4639.3	5098.2	5400.1	5462.8
50°	4039.3	4321.7	4819.7	5135.4	5200.1
52.5°	3696.2	4000.1	4531.5	4858.9	4919.7
55°	3335.3	3680.5	4239.3	4558.9	4613.8
57.5°	3000.1	3364.8	3939.3	4243.2	4276.6
60°	2668.7	3047.1	3633.4	3900.1	3911.8
62.5°	2345.2	2743.2	3319.7	3531.4	3515.8
65°	2035.3	2451.0	3000.1	3149.1	3113.8
67.5°	1737.2	2166.8	2672.6	2768.7	2721.6
70°	1454.9	1890.3	2354.9	2404.0	2360.8
72.5°	1205.9	1627.5	2033.3	2074.6	2043.2
75°	958.8	1376.5	1737.2	1782.4	1764.8
77.5°	727.5	1133.3	1464.8	1523.6	1527.5
80°	523.5	911.8	1227.5	1319.7	1331.4
82.5°	345.1	707.8	1029.4	1147.1	1164.8
85°	200.0	527.5	870.6	990.2	1007.8
87.5°	86.2	380.4	700.0	807.8	829.4
90°	5.8	240.1	543.1	678.3	703.8
92.5°	23.4	213.1	482.5	612.6	635.8
95°	57.3	235.1	489.3	622.0	650.5
97.5°	301.8	406.0	573.5	704.6	754.8
100°	584.2	707.0	731.2	821.1	840.9
102.5°	915.1	1010.2	963.4	912.7	901.4
105°	1077.9	1152.9	1205.7	1025.7	948.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	869.0	912.9	1009.8	1050.0	1037.8
115°	750.7	780.1	867.5	915.9	908.8
117.5°	637.7	663.4	743.5	779.9	779.2
120°	539.3	562.5	631.4	665.7	666.8
122.5°	453.5	475.8	544.7	572.8	571.2
125°	377.3	394.1	462.9	488.2	489.1
127.5°	320.4	331.8	390.3	424.8	426.5
130°	277.9	286.5	338.0	373.0	378.0
132.5°	248.8	258.5	295.7	329.6	336.6
135°	226.2	234.3	262.8	296.4	304.3
137.5°	206.2	216.0	235.8	266.6	274.5
140°	194.0	200.2	214.1	239.3	248.0
142.5°	183.5	186.8	194.9	218.2	224.8
145°	174.6	175.2	181.2	198.7	204.5
147.5°	164.6	167.9	171.2	180.8	186.7
150°	157.1	161.6	162.9	165.8	172.4
152.5°	150.4	154.1	154.6	154.3	158.2
155°	143.8	148.2	147.9	147.7	149.6
157.5°	119.2	120.8	122.5	123.3	124.2
160°	115.0	115.8	117.5	118.3	119.2
162.5°	110.0	111.7	112.5	113.3	114.2
165°	106.7	107.5	108.3	110.0	110.0
167.5°	103.3	104.2	105.0	105.8	105.8
170°	100.8	101.7	102.5	102.5	102.5
172.5°	98.3	99.2	100.0	100.0	100.0
175°	96.7	97.5	97.5	98.3	98.3
177.5°	95.8	96.7	96.7	96.7	97.5
180°	95.8	95.8	95.8	95.8	95.8



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	1077.1	1148.9	1229.3	1161.0	1054.1
110°	988.8	1055.2	1140.3	1152.7	1104.2



(END OF REPORT)