

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: P827780

Luminaire Tested: **OHBL-30SE-MFL-UNV-L930-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827780
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-L930-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

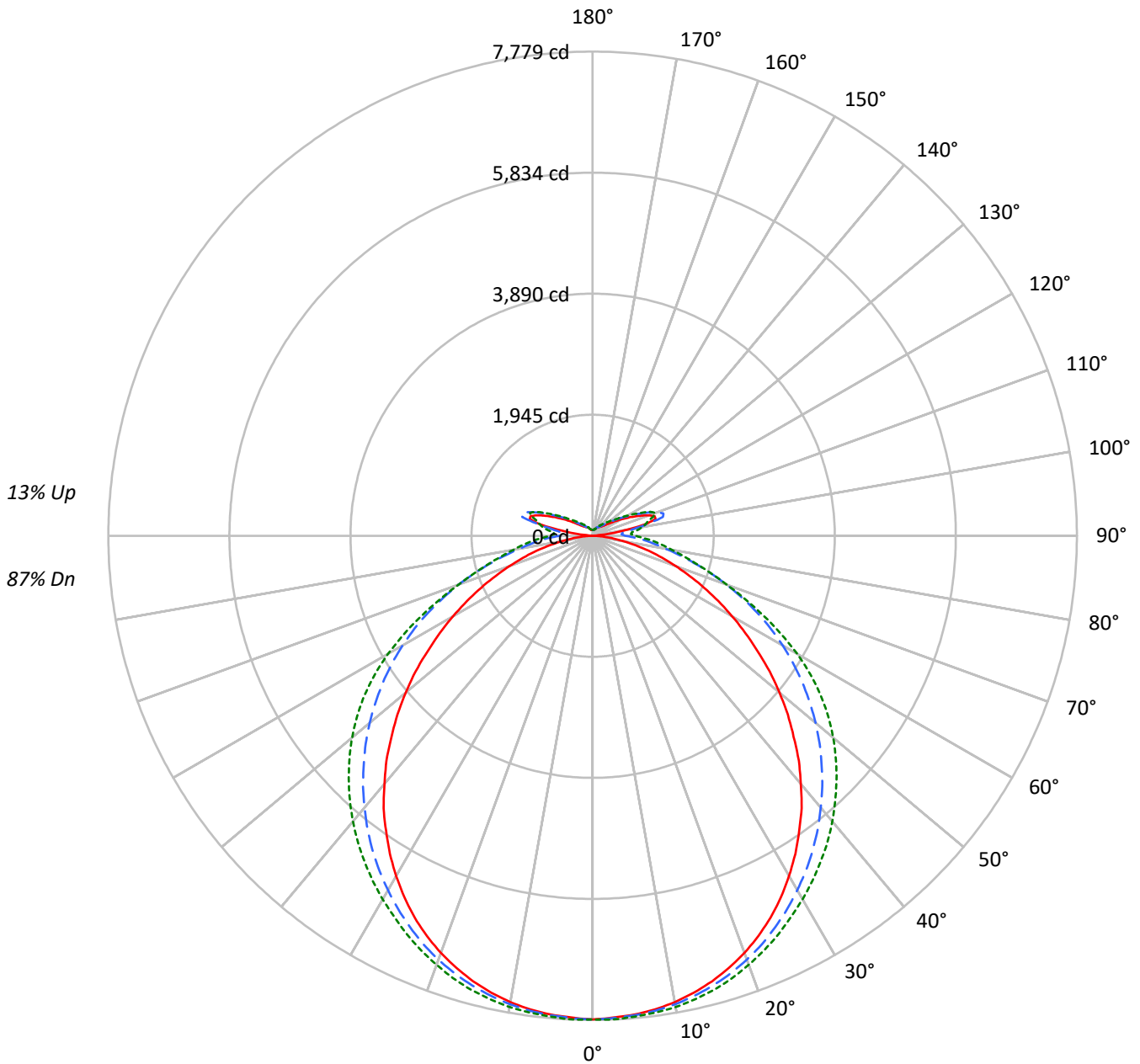
Lumens per Lamp: N/A
Luminaire Lumens: 25734.9 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13274	13274	13274
5°	13125	13142	13244
10°	12969	13020	13231
15°	12761	12876	13196
20°	12505	12700	13120
25°	12185	12483	13044
30°	11767	12247	12971
35°	11274	11997	12922
40°	10697	11708	12882
45°	10028	11395	12818
50°	9302	11077	12734
55°	8430	10690	12537
60°	7537	10233	12042
65°	6570	9652	11152
70°	5529	8912	10200
75°	4470	8056	9700
80°	3187	7422	10162
85°	1774	7645	12739



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	736.4	2.9
10°-20°	2112.6	8.2
20°-30°	3195.0	12.4
30°-40°	3835.6	14.9
40°-50°	3961.5	15.4
50°-60°	3564.2	13.8
60°-70°	2684.8	10.4
70°-80°	1621.2	6.3
80°-90°	798.2	3.1
90°-100°	525.1	2.0
100°-110°	1055.6	4.1
110°-120°	824.0	3.2
120°-130°	399.3	1.6
130°-140°	202.8	0.8
140°-150°	115.2	0.4
150°-160°	64.1	0.2
160°-170°	30.1	0.1
170°-180°	9.2	0.0
0°-30°	6044.0	23.5
0°-40°	9879.6	38.4
0°-60°	17405.3	67.6
0°-90°	22509.4	87.5
90°-120°	2404.7	9.3
90°-150°	3122.1	12.1
90°-180°	3225.0	12.5
0°-180°	25734.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7772	7772	7772	7772	7772	
5°	7722	7743	7734	7764	7754	734
15°	7410	7446	7481	7543	7551	2089
25°	6767	6842	6938	7047	7064	3113
35°	5786	5921	6164	6351	6389	3617
45°	4567	4797	5198	5482	5541	3526
55°	3235	3570	4112	4422	4475	2901
65°	1974	2378	2910	3055	3020	1961
75°	930	1335	1685	1729	1712	992
85°	194	512	844	960	978	224
90°	6	233	527	658	683	16
95°	56	228	475	603	631	175
105°	1046	1118	1170	995	920	988
115°	728	757	842	888	882	730
125°	366	382	449	474	474	342
135°	220	227	255	288	295	173
145°	169	170	176	193	198	107
155°	139	144	144	143	145	62
165°	104	104	105	107	107	30
175°	94	95	95	95	95	9
180°	93	93	93	93	93	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7771.6	7771.6	7771.6	7771.6	7771.6
2.5°	7748.8	7767.8	7756.4	7781.1	7779.2
5°	7722.1	7743.0	7733.5	7764.0	7754.4
7.5°	7676.5	7699.3	7697.4	7731.6	7727.8
10°	7609.9	7634.6	7642.2	7687.9	7687.9
12.5°	7518.6	7551.0	7570.0	7625.1	7627.0
15°	7410.2	7446.3	7480.6	7543.4	7551.0
17.5°	7279.0	7324.6	7372.2	7444.4	7454.0
20°	7130.6	7182.0	7246.6	7322.7	7334.1
22.5°	6959.4	7020.3	7104.0	7193.4	7206.7
25°	6767.3	6841.5	6938.5	7046.9	7064.0
27.5°	6548.6	6634.2	6765.4	6887.2	6902.4
30°	6310.8	6411.6	6575.2	6719.8	6744.5
32.5°	6059.8	6175.8	6377.4	6539.1	6573.3
35°	5785.9	5921.0	6164.4	6350.8	6388.8
37.5°	5515.8	5664.2	5940.0	6153.0	6198.6
40°	5200.1	5384.6	5700.3	5936.2	5991.3
42.5°	4903.4	5103.1	5460.6	5717.4	5770.7
45°	4566.7	4796.8	5198.1	5481.6	5540.6
47.5°	4250.9	4500.2	4945.2	5238.1	5298.9
50°	3918.2	4192.0	4675.1	4981.4	5044.1
52.5°	3585.3	3880.1	4395.6	4713.1	4772.1
55°	3235.3	3570.1	4112.2	4422.1	4475.4
57.5°	2910.1	3263.8	3821.2	4116.0	4148.3
60°	2588.6	2955.7	3524.4	3783.1	3794.5
62.5°	2274.8	2660.9	3220.1	3425.5	3410.3
65°	1974.3	2377.5	2910.1	3054.6	3020.3
67.5°	1685.1	2101.7	2592.4	2685.6	2639.9
70°	1411.3	1833.5	2284.3	2331.9	2290.0
72.5°	1169.7	1578.7	1972.3	2012.3	1981.9
75°	930.1	1335.2	1685.1	1728.9	1711.8
77.5°	705.7	1099.3	1420.8	1477.9	1481.7
80°	507.8	884.4	1190.7	1280.1	1291.5
82.5°	334.7	686.6	998.5	1112.7	1129.8
85°	194.0	511.7	844.5	960.5	977.6
87.5°	83.7	369.0	679.0	783.6	804.5
90°	5.7	232.9	526.8	658.0	682.6
92.5°	22.7	206.7	468.0	594.2	616.8
95°	55.6	228.0	474.6	603.3	631.0
97.5°	292.7	393.8	556.3	683.4	732.1
100°	566.7	685.8	709.3	796.5	815.7
102.5°	887.6	979.9	934.5	885.3	874.4
105°	1045.6	1118.3	1169.5	994.9	919.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	842.9	885.5	979.5	1018.5	1006.7
115°	728.1	756.7	841.5	888.4	881.5
117.5°	618.5	643.5	721.2	756.5	755.8
120°	523.2	545.6	612.5	645.7	646.8
122.5°	439.9	461.5	528.3	555.6	554.0
125°	366.0	382.3	449.0	473.5	474.4
127.5°	310.8	321.9	378.6	412.0	413.7
130°	269.6	277.9	327.9	361.8	366.7
132.5°	241.3	250.7	286.8	319.7	326.5
135°	219.5	227.3	254.9	287.5	295.1
137.5°	200.1	209.5	228.8	258.6	266.3
140°	188.2	194.2	207.7	232.2	240.6
142.5°	178.0	181.2	189.1	211.6	218.1
145°	169.3	169.9	175.8	192.7	198.4
147.5°	159.6	162.9	166.1	175.3	181.1
150°	152.4	156.7	158.0	160.8	167.2
152.5°	145.9	149.5	149.9	149.7	153.5
155°	139.4	143.8	143.5	143.2	145.1
157.5°	115.6	117.2	118.8	119.6	120.4
160°	111.6	112.4	114.0	114.8	115.6
162.5°	106.7	108.3	109.1	109.9	110.7
165°	103.5	104.3	105.1	106.7	106.7
167.5°	100.2	101.0	101.9	102.7	102.7
170°	97.8	98.6	99.4	99.4	99.4
172.5°	95.4	96.2	97.0	97.0	97.0
175°	93.8	94.6	94.6	95.4	95.4
177.5°	93.0	93.8	93.8	93.8	94.6
180°	93.0	93.0	93.0	93.0	93.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1044.8	1114.4	1192.5	<i>1126.2</i>	1022.5
110°	959.1	1023.6	1106.1	<i>1118.1</i>	1071.0



(END OF REPORT)