

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: P827779

Luminaire Tested: **OHBL-30SE-MFL-UNV-L930-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827779
REPORT IS A COMBINATION OF REPORTS P826127 AND G3-2310-221-10
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-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

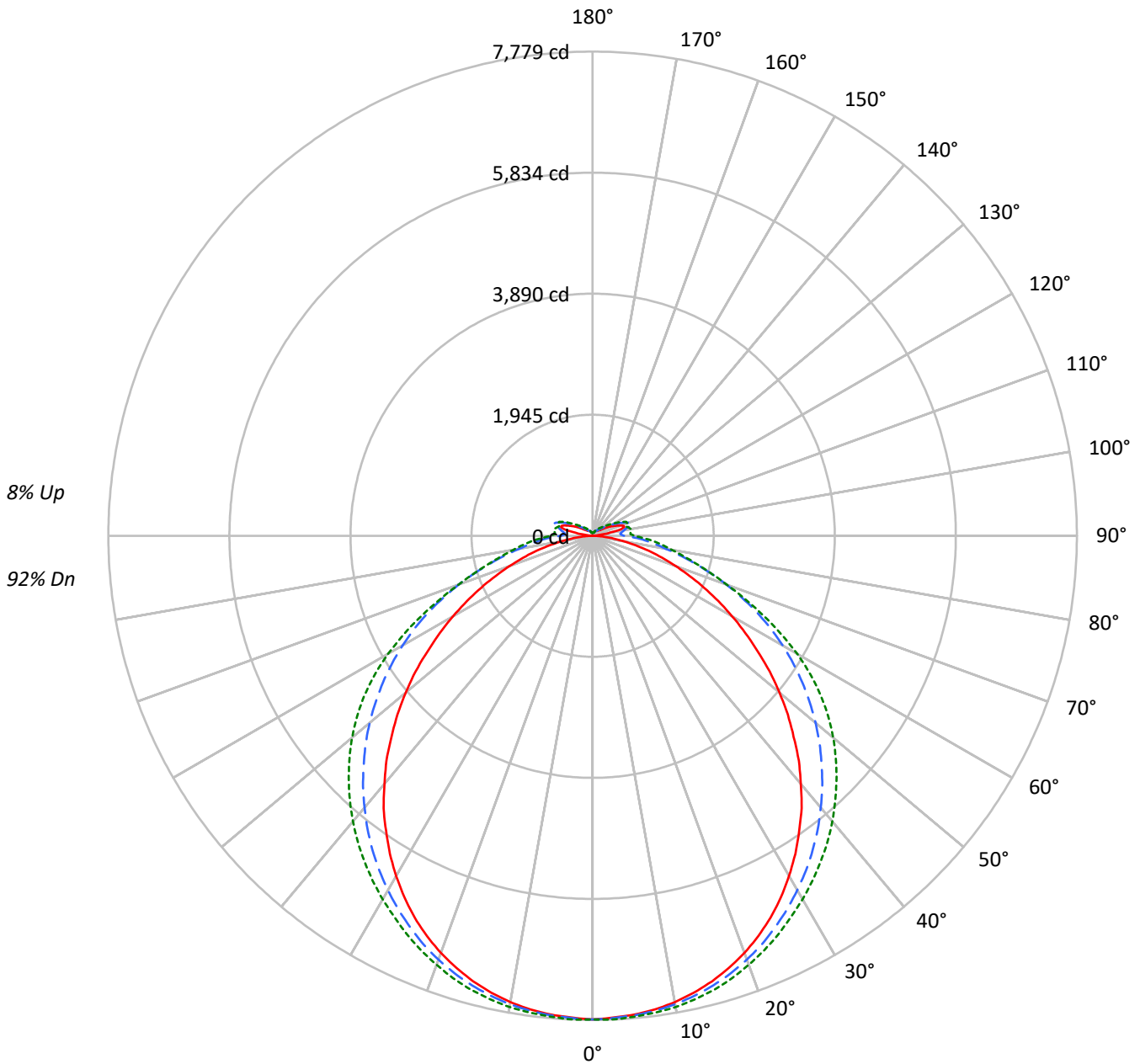
Lumens per Lamp: N/A
Luminaire Lumens: 24487.1 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 184.3
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

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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	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	92								
1	106	101	97	93	103	98	94	91	93	89	86	87	85	82	82	80	78	76								
2	97	88	81	75	93	86	79	74	81	75	71	76	72	68	72	69	65	63								
3	88	77	69	63	85	75	68	61	71	65	59	67	62	57	64	59	55	53								
4	80	68	60	53	78	67	58	52	63	56	50	60	54	49	57	52	47	45								
5	74	61	52	45	71	59	51	45	56	49	44	54	47	42	51	46	41	39								
6	68	55	46	40	66	54	45	39	51	44	38	49	42	37	46	41	36	34								
7	63	50	41	35	61	49	40	35	46	39	34	44	38	33	42	36	32	30								
8	59	45	37	31	57	44	36	31	42	35	30	40	34	29	39	33	29	27								
9	55	42	33	28	53	41	33	28	39	32	27	37	31	27	36	30	26	24								
10	52	38	30	25	50	38	30	25	36	29	25	35	28	24	33	28	24	22								

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	3.0
10°-20°	2112.6	8.6
20°-30°	3195.0	13.0
30°-40°	3835.6	15.7
40°-50°	3961.5	16.2
50°-60°	3564.2	14.6
60°-70°	2684.8	11.0
70°-80°	1621.2	6.6
80°-90°	796.0	3.3
90°-100°	451.5	1.8
100°-110°	598.4	2.4
110°-120°	462.3	1.9
120°-130°	231.5	0.9
130°-140°	117.4	0.5
140°-150°	65.0	0.3
150°-160°	34.5	0.1
160°-170°	14.8	0.1
170°-180°	4.5	0.0
0°-30°	6044.0	24.7
0°-40°	9879.6	40.3
0°-60°	17405.3	71.1
0°-90°	22507.3	91.9
90°-120°	1512.2	6.2
90°-150°	1926.0	7.9
90°-180°	1980.0	8.1
0°-180°	24487.1	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°	2	218	507	639	668	14
95°	32	193	448	575	611	89
105°	525	582	639	578	564	498
115°	368	396	485	527	527	371
125°	186	201	263	296	301	175
135°	114	121	147	177	185	91
145°	93	92	96	113	118	58
155°	78	81	80	79	81	34
165°	51	51	52	52	52	15
175°	46	46	46	47	47	4
180°	46	46	46	46	46	



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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°	2.4	217.5	506.6	639.4	668.1
92.5°	13.8	188.1	451.9	580.5	609.5
95°	32.2	193.3	447.9	575.0	610.8
97.5°	145.6	265.3	478.7	591.3	623.0
100°	283.8	393.2	513.7	605.7	626.5
102.5°	449.5	511.0	550.6	589.4	597.9
105°	525.0	582.4	639.2	577.8	564.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	426.6	468.4	554.4	589.3	582.3
115°	367.6	396.2	485.0	527.1	527.4
117.5°	319.5	338.8	418.1	458.2	462.4
120°	269.3	287.8	357.0	393.5	400.3
122.5°	225.7	241.6	308.5	342.2	347.1
125°	185.8	201.2	263.1	295.7	300.6
127.5°	158.8	168.3	224.2	258.4	262.5
130°	139.4	145.3	192.1	225.2	230.9
132.5°	125.7	132.7	167.2	198.4	206.9
135°	114.4	121.4	146.6	176.8	185.2
137.5°	106.3	111.7	130.1	157.5	166.0
140°	100.1	104.4	116.3	140.0	148.4
142.5°	96.4	98.0	103.4	125.9	131.6
145°	92.6	92.3	95.8	112.7	118.3
147.5°	88.5	90.1	91.7	99.3	105.9
150°	84.5	88.0	86.9	89.6	95.3
152.5°	81.2	84.0	83.7	81.8	86.4
155°	78.0	80.8	80.4	78.6	81.2
157.5°	56.6	57.4	58.2	59.0	59.0
160°	54.2	55.0	55.8	55.8	56.6
162.5°	52.5	53.4	53.4	54.2	54.2
165°	50.9	50.9	51.7	51.7	51.7
167.5°	49.3	49.3	50.1	50.1	50.9
170°	47.7	48.5	48.5	48.5	49.3
172.5°	46.9	46.9	47.7	47.7	47.7
175°	46.1	46.1	46.1	46.9	46.9
177.5°	45.3	46.1	46.1	46.1	46.1
180°	46.1	46.1	46.1	46.1	46.1



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	525.0	580.9	659.0	608.8	559.3
110°	485.4	537.0	618.7	630.7	590.1



(END OF REPORT)