

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: P830267

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

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830267
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)
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
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

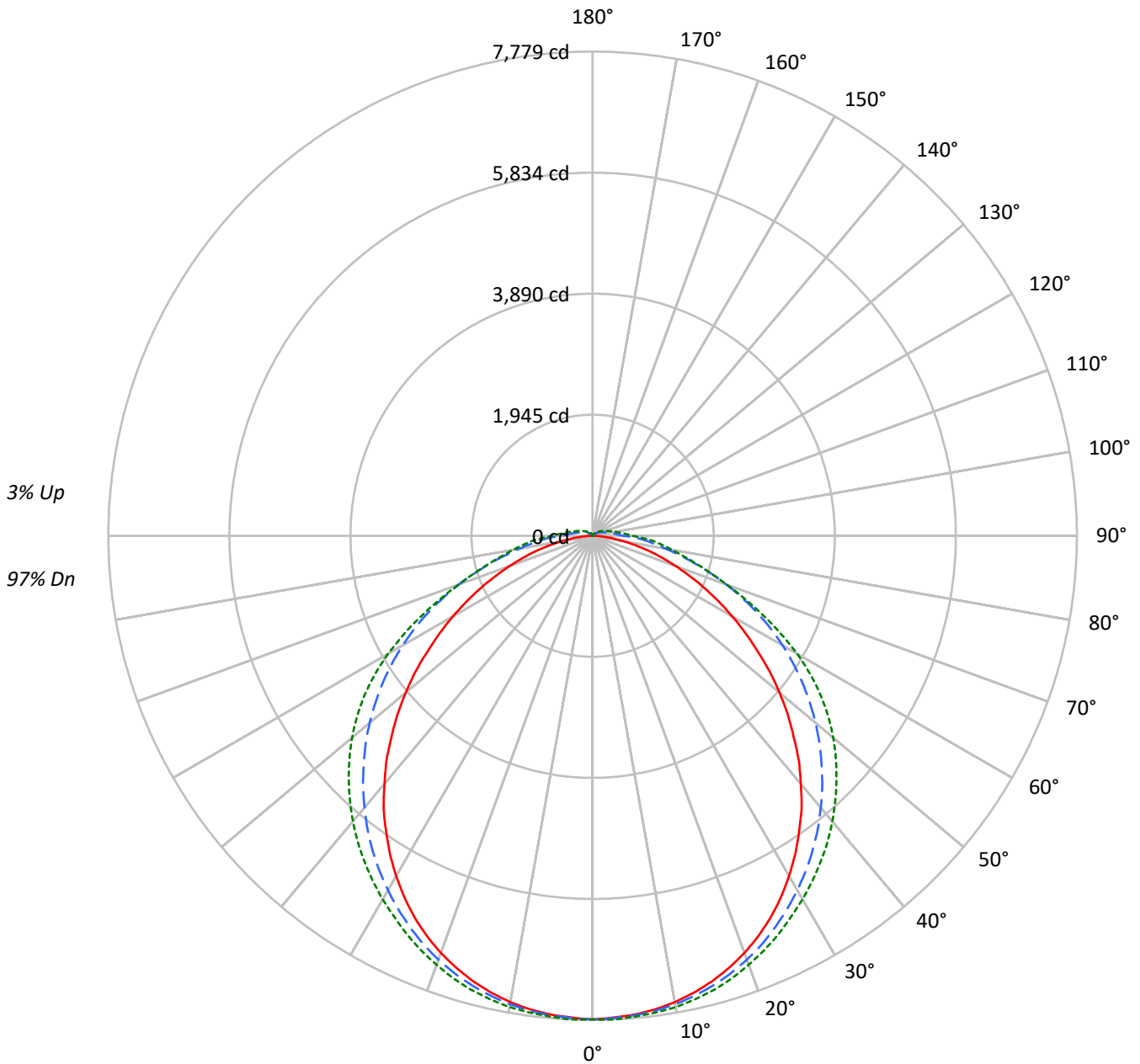
Lumens per Lamp: N/A
Luminaire Lumens: 23259.0 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 174
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				
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	86	84	82	80
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	75	72	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	67	62	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	59	54	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	48	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	44	38	34	32
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	37	32	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13274	13274	13274
5°	13189	13142	13180
10°	13096	13020	13102
15°	12950	12876	13003
20°	12756	12700	12862
25°	12496	12483	12719
30°	12137	12247	12575
35°	11703	11997	12449
40°	11181	11708	12324
45°	10565	11395	12166
50°	9891	11077	11976
55°	9063	10689	11661
60°	8215	10233	11048
65°	7290	9652	10051
70°	6286	8912	8971
75°	5271	8057	8226
80°	3996	7422	8105
85°	2528	7645	8939



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	736.4	3.2
10°-20°	2112.6	9.1
20°-30°	3195.0	13.7
30°-40°	3835.6	16.5
40°-50°	3961.5	17.0
50°-60°	3564.1	15.3
60°-70°	2684.8	11.5
70°-80°	1621.2	7.0
80°-90°	792.9	3.4
90°-100°	333.7	1.4
100°-110°	190.5	0.8
110°-120°	111.8	0.5
120°-130°	63.2	0.3
130°-140°	33.3	0.1
140°-150°	16.2	0.1
150°-160°	6.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6044.0	26.0
0°-40°	9879.6	42.5
0°-60°	17405.3	74.8
0°-90°	22504.2	96.8
90°-120°	636.1	2.7
90°-150°	748.8	3.2
90°-180°	755.0	3.2
0°-180°	23259.0	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	5540	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°	0	200	483	609	633	12
95°	10	135	361	460	477	8
105°	13	78	209	274	285	13
115°	15	44	129	173	181	16
125°	15	21	78	112	118	14
135°	13	17	40	68	76	10
145°	19	17	19	34	40	11
155°	19	21	19	17	19	6
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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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°	7748.7	7767.8	7756.4	7781.1	7779.2
5°	7722.1	7743.0	7733.5	7764.0	7754.5
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	7550.9	7570.0	7625.1	7627.0
15°	7410.2	7446.3	7480.6	7543.3	7550.9
17.5°	7279.0	7324.6	7372.2	7444.4	7453.9
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	6887.1	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	5920.9	6164.4	6350.8	6388.8
37.5°	5515.8	5664.2	5939.9	6153.0	6198.6
40°	5200.1	5384.6	5700.3	5936.1	5991.3
42.5°	4903.4	5103.1	5460.6	5717.4	5770.7
45°	4566.7	4796.8	5198.2	5481.6	5540.5
47.5°	4251.0	4500.1	4945.2	5238.1	5299.0
50°	3918.1	4192.0	4675.1	4981.3	5044.1
52.5°	3585.3	3880.1	4395.5	4713.2	4772.1
55°	3235.3	3570.1	4112.1	4422.2	4475.4
57.5°	2910.1	3263.8	3821.1	4115.9	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	3020.4
67.5°	1685.2	2101.7	2592.4	2685.6	2640.0
70°	1411.3	1833.5	2284.3	2331.9	2290.0
72.5°	1169.7	1578.7	1972.4	2012.3	1981.9
75°	930.1	1335.2	1685.2	1728.9	1711.8
77.5°	705.6	1099.4	1420.8	1477.9	1481.7
80°	507.8	884.4	1190.7	1280.0	1291.5
82.5°	334.8	686.6	998.6	1112.7	1129.8
85°	194.0	511.6	844.5	960.5	977.6
87.5°	83.7	369.0	679.0	783.6	804.5
90°	0.0	199.7	483.1	608.6	633.4
92.5°	5.7	165.5	414.6	528.8	549.7
95°	9.5	135.0	361.4	460.3	477.4
97.5°	11.4	114.1	313.8	401.3	418.4
100°	11.4	98.9	272.0	351.9	367.1
102.5°	11.4	87.5	237.8	308.1	321.4
105°	13.3	78.0	209.2	273.9	285.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	15.2	51.4	144.6	194.0	201.6
115°	15.2	43.7	129.3	173.1	180.7
117.5°	17.1	38.0	114.1	156.0	161.7
120°	17.1	32.3	100.8	138.8	146.5
122.5°	17.1	26.6	89.4	125.5	131.2
125°	15.2	20.9	78.0	112.2	117.9
127.5°	13.3	17.1	66.6	100.8	106.5
130°	13.3	15.2	57.1	89.4	95.1
132.5°	13.3	17.1	47.6	78.0	85.6
135°	13.3	17.1	39.9	68.5	76.1
137.5°	13.3	17.1	32.3	59.0	66.6
140°	15.2	17.1	26.6	49.5	57.1
142.5°	17.1	17.1	20.9	41.8	47.6
145°	19.0	17.1	19.0	34.2	39.9
147.5°	19.0	19.0	19.0	26.6	32.3
150°	19.0	20.9	19.0	20.9	26.6
152.5°	19.0	20.9	19.0	17.1	20.9
155°	19.0	20.9	19.0	17.1	19.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	13.3	68.5	184.5	243.5	253.0
110°	13.3	60.9	163.6	216.8	226.3



(END OF REPORT)