

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: P829775

Luminaire Tested: **OHBL-12SE-N-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-12SE-N-UNV-L930-CD
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

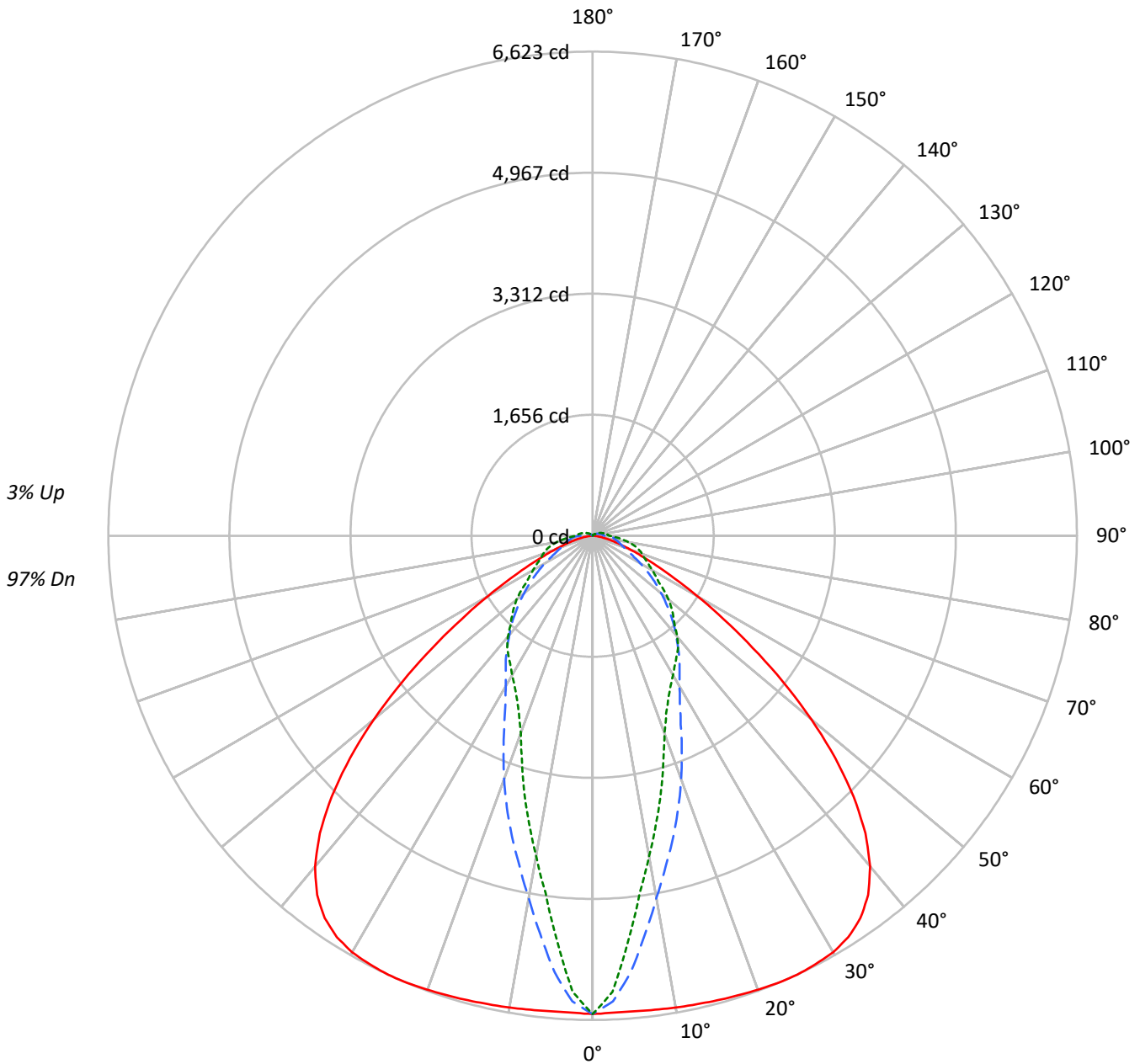
Lumens per Lamp: N/A
Luminaire Lumens: 9656.0 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 70
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	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	88	86	85	82
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	79	76	73	71
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	72	67	64	62
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	65	60	56	54
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	59	54	50	48
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	55	49	45	43
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	50	45	41	39
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	47	41	37	35
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	44	38	34	32
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	41	35	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21285	21285	21285
5°	21241	19277	17881
10°	21481	16148	14228
15°	21901	13735	11587
20°	22516	11548	9298
25°	23295	9502	8080
30°	24100	8135	7441
35°	24601	7365	7024
40°	24180	6604	6596
45°	22245	5919	6038
50°	18768	5181	5594
55°	14261	4488	4903
60°	9994	3799	4609
65°	6722	3217	4410
70°	4591	2954	4491
75°	3185	2954	4602
80°	2193	3120	4447
85°	1283	3587	4176



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	550.7	5.7
10°-20°	1295.6	13.4
20°-30°	1624.0	16.8
30°-40°	1723.2	17.8
40°-50°	1558.1	16.1
50°-60°	1129.7	11.7
60°-70°	708.9	7.3
70°-80°	469.2	4.9
80°-90°	270.3	2.8
90°-100°	130.9	1.4
100°-110°	90.4	0.9
110°-120°	55.8	0.6
120°-130°	27.0	0.3
130°-140°	12.4	0.1
140°-150°	6.8	0.1
150°-160°	3.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3470.3	35.9
0°-40°	5193.5	53.8
0°-60°	7881.3	81.6
0°-90°	9329.7	96.6
90°-120°	277.1	2.9
90°-150°	323.3	3.3
90°-180°	326.0	3.4
0°-180°	9656.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6542	6542	6542	6542	6542	
5°	6529	6362	5988	5711	5567	624
15°	6579	5362	4259	3788	3616	1866
25°	6623	4146	2852	2531	2451	3060
35°	6386	2757	2070	2005	2004	3970
45°	5048	1746	1500	1536	1562	3846
55°	2672	1082	979	1062	1100	2415
65°	956	628	567	726	807	995
75°	295	338	380	591	626	329
85°	52	140	278	387	356	62
90°	0	58	161	227	229	3
95°	2	41	142	193	202	2
105°	5	27	103	137	141	5
115°	7	19	70	87	89	7
125°	8	10	36	45	44	7
135°	6	8	16	24	24	5
145°	8	8	9	14	14	4
155°	8	9	10	11	9	2
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°	6542.5	6542.5	6542.5	6542.5	6542.5
2.5°	6528.8	6491.4	6375.0	6304.0	6244.2
5°	6529.4	6361.9	5988.3	5710.6	5566.7
7.5°	6538.7	6166.4	5493.2	5087.9	4929.7
10°	6553.0	5924.1	5031.2	4599.1	4451.5
12.5°	6563.6	5651.4	4624.6	4180.6	4018.7
15°	6579.2	5362.5	4259.1	3787.7	3615.9
17.5°	6593.5	5090.4	3898.0	3405.4	3214.3
20°	6607.8	4797.1	3536.8	3029.3	2871.8
22.5°	6621.5	4487.6	3184.4	2737.3	2629.6
25°	6622.8	4146.4	2851.9	2531.2	2450.9
27.5°	6606.6	3792.7	2582.2	2358.7	2308.9
30°	6578.6	3449.6	2373.0	2234.2	2198.7
32.5°	6508.8	3099.7	2211.1	2114.0	2093.4
35°	6385.5	2756.6	2069.8	2005.0	2004.4
37.5°	6191.3	2452.1	1916.6	1905.4	1919.1
40°	5904.2	2185.6	1771.5	1801.4	1801.4
42.5°	5521.3	1954.0	1640.1	1670.6	1662.5
45°	5048.0	1746.0	1500.0	1536.1	1562.3
47.5°	4499.5	1562.9	1356.8	1426.6	1462.7
50°	3902.9	1388.6	1226.0	1315.1	1356.2
52.5°	3277.8	1227.3	1098.4	1200.5	1233.5
55°	2672.5	1082.2	978.8	1061.7	1099.6
57.5°	2124.6	944.0	861.8	940.2	1018.7
60°	1653.2	825.0	751.6	863.7	942.1
62.5°	1262.8	719.2	648.2	792.0	870.5
65°	955.8	627.7	566.6	726.0	807.0
67.5°	720.4	548.6	503.1	678.1	757.2
70°	541.1	472.0	452.1	648.2	719.2
72.5°	399.8	401.6	411.6	622.1	676.2
75°	295.1	338.1	380.5	590.9	626.4
77.5°	211.1	280.2	352.4	553.6	566.0
80°	146.3	228.5	323.2	504.4	493.8
82.5°	91.5	183.1	297.0	450.2	420.9
85°	51.7	140.1	278.3	387.3	355.5
87.5°	23.0	104.6	243.5	302.0	282.1
90°	0.0	58.5	161.3	227.3	229.1
92.5°	1.2	48.6	148.8	208.0	214.2
95°	2.5	41.1	142.0	193.0	201.7
97.5°	3.1	36.1	133.3	179.3	186.8
100°	3.7	32.4	122.7	165.0	171.2
102.5°	4.4	29.9	112.7	150.1	155.0
105°	5.0	27.4	103.4	137.0	140.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.2	21.2	77.8	98.4	101.5
115°	6.8	19.3	69.7	87.2	89.0
117.5°	7.5	16.8	61.0	76.6	77.2
120°	7.5	14.9	52.3	65.4	65.4
122.5°	7.5	12.5	43.6	54.2	53.6
125°	7.5	10.0	35.5	44.8	44.2
127.5°	6.8	8.1	28.6	37.4	36.7
130°	6.8	8.1	23.0	31.8	31.8
132.5°	6.2	7.5	18.7	27.4	27.4
135°	6.2	7.5	15.6	24.3	24.3
137.5°	6.2	8.1	13.1	21.2	21.2
140°	6.2	7.5	11.2	18.7	18.7
142.5°	6.8	7.5	10.0	16.2	16.2
145°	7.5	8.1	9.3	14.3	13.7
147.5°	7.5	8.7	9.3	12.5	11.8
150°	7.5	9.3	9.3	11.2	10.6
152.5°	7.5	9.3	9.3	10.6	10.0
155°	7.5	9.3	10.0	10.6	9.3
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°	5.0	25.5	94.6	122.7	127.0
110°	5.6	23.0	86.6	109.6	113.9



(END OF REPORT)