

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: P829792

Luminaire Tested: **OHBL-12SE-W-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-12SE-W-UNV-L735-CD
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

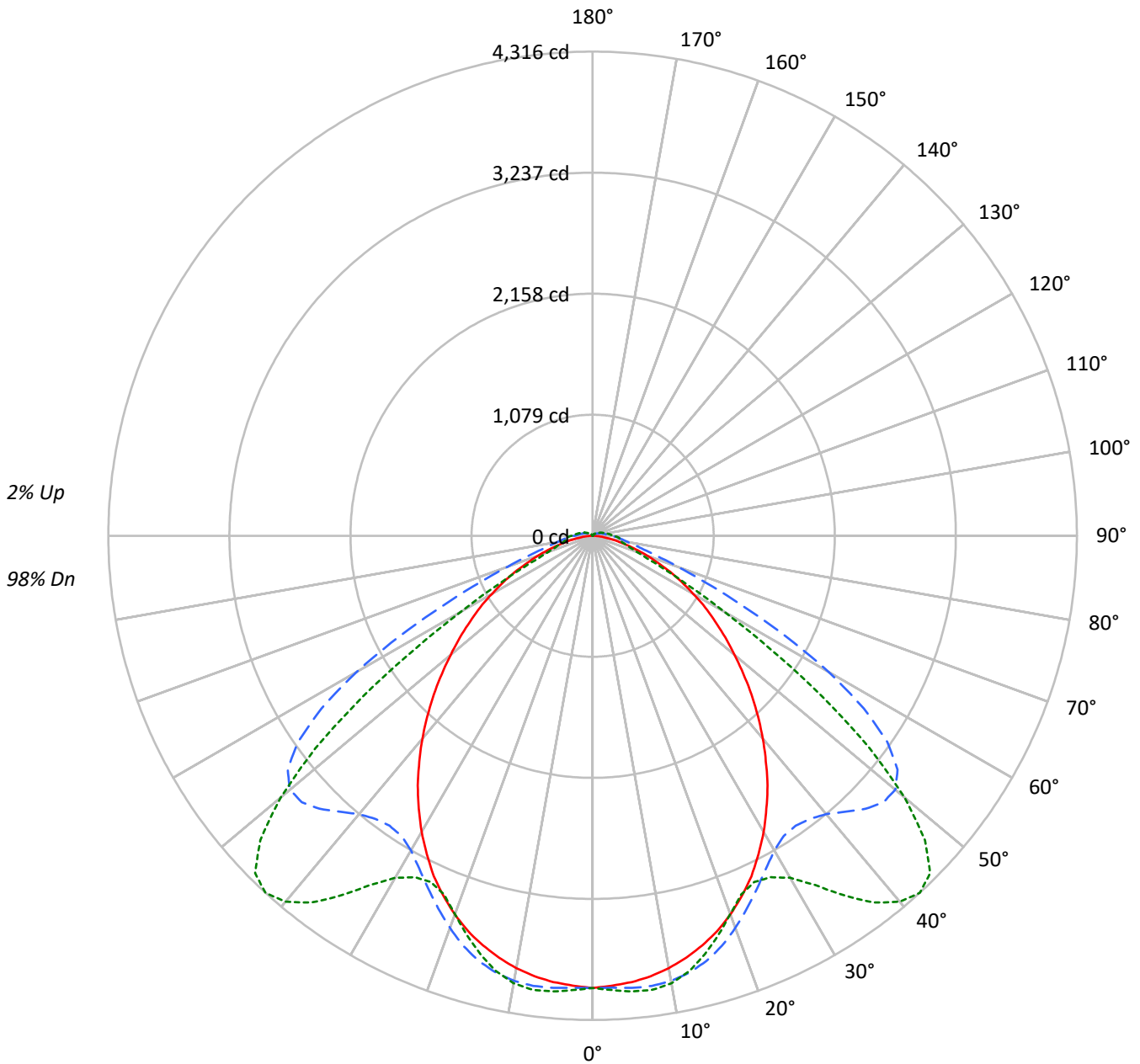
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12070.0 lumens
Efficiency: N/A
Efficacy: 172.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
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				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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	100	100	100	98
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	85	85	85	83
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	72	72	72	70
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	61	61	61	59
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	40	40	40	38
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	35	35	35	33
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	31	31	31	29
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	28	28	28	26
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	25	25	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13115	13115	13115
5°	12993	13024	13097
10°	12829	12933	12948
15°	12579	12649	12375
20°	12236	12145	11615
25°	11777	11554	11228
30°	11167	11098	11909
35°	10471	11227	13720
40°	9664	12071	15592
45°	8819	13581	16439
50°	7938	14877	14963
55°	7110	14696	11137
60°	6267	12269	6595
65°	5377	8331	3836
70°	4369	5268	2623
75°	3323	3660	2249
80°	2386	3064	2240
85°	1618	3093	2789



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.2	3.2
10°-20°	1090.8	9.0
20°-30°	1596.3	13.2
30°-40°	2073.1	17.2
40°-50°	2531.5	21.0
50°-60°	2229.4	18.5
60°-70°	1161.7	9.6
70°-80°	498.2	4.1
80°-90°	239.3	2.0
90°-100°	112.4	0.9
100°-110°	69.9	0.6
110°-120°	41.3	0.3
120°-130°	22.5	0.2
130°-140°	11.3	0.1
140°-150°	5.4	0.0
150°-160°	1.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3072.3	25.5
0°-40°	5145.4	42.6
0°-60°	9906.2	82.1
0°-90°	11805.4	97.8
90°-120°	223.6	1.9
90°-150°	262.7	2.2
90°-180°	265.0	2.2
0°-180°	12070.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4031	4031	4031	4031	4031	
5°	3994	4024	4046	4082	4077	379
15°	3779	3885	3922	3893	3862	1064
25°	3348	3528	3468	3402	3406	1537
35°	2718	3005	3155	3680	3916	1694
45°	2001	2518	3442	4167	4254	1543
55°	1332	2206	3205	2810	2498	1196
65°	764	1528	1467	816	702	756
75°	308	715	471	323	306	336
85°	65	255	240	235	237	73
90°	1	92	158	181	185	5
95°	2	54	126	148	152	1
105°	4	30	82	98	100	4
115°	5	17	50	62	64	5
125°	6	9	30	38	39	5
135°	5	5	14	24	24	4
145°	7	5	6	11	13	4
155°	7	7	5	5	5	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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CATALOG NUMBER: OHBL-12SE-W-UNV-L735-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4031.2	4031.2	4031.2	4031.2	4031.2
2.5°	4013.8	4031.2	4032.0	4056.4	4053.8
5°	3993.8	4024.2	4045.9	4081.6	4077.3
7.5°	3960.7	4008.5	4046.8	4086.0	4082.5
10°	3913.7	3979.0	4029.4	4061.6	4051.2
12.5°	3852.9	3939.0	3988.5	3995.5	3975.5
15°	3778.9	3885.0	3922.4	3892.9	3861.6
17.5°	3695.4	3819.8	3832.9	3768.5	3729.4
20°	3591.1	3732.8	3719.8	3631.1	3587.6
22.5°	3475.4	3637.2	3595.4	3502.4	3460.6
25°	3348.4	3527.6	3467.6	3402.4	3405.8
27.5°	3199.7	3403.2	3344.9	3374.5	3430.2
30°	3048.4	3272.8	3237.1	3409.3	3518.9
32.5°	2882.3	3138.8	3171.0	3511.1	3690.2
35°	2717.9	3004.9	3155.3	3679.8	3915.5
37.5°	2536.1	2869.2	3180.6	3874.6	4121.6
40°	2359.6	2737.0	3238.0	4049.4	4258.2
42.5°	2179.5	2618.7	3334.5	4152.9	4315.6
45°	2001.2	2517.8	3441.5	4166.8	4253.8
47.5°	1822.9	2432.6	3515.4	4056.4	4016.4
50°	1650.7	2356.9	3520.6	3791.1	3627.6
52.5°	1489.8	2287.4	3425.0	3368.4	3114.5
55°	1332.4	2205.6	3204.9	2810.1	2497.8
57.5°	1188.9	2092.6	2865.7	2210.0	1869.0
60°	1036.7	1939.5	2427.4	1616.8	1348.1
62.5°	896.7	1749.0	1936.0	1125.4	968.9
65°	764.5	1528.1	1467.2	815.8	701.9
67.5°	624.5	1299.4	1082.8	594.9	521.8
70°	514.9	1087.2	806.2	462.7	420.1
72.5°	402.7	885.4	602.7	375.7	352.2
75°	307.9	714.9	471.4	322.7	306.1
77.5°	227.0	565.3	379.2	285.3	269.6
80°	159.2	445.3	317.4	254.8	248.7
82.5°	107.0	344.4	270.5	242.7	243.5
85°	65.2	254.8	240.0	234.8	237.4
87.5°	31.3	180.9	206.1	214.0	216.6
90°	0.9	92.2	158.3	180.9	185.3
92.5°	0.0	70.4	139.2	161.8	166.1
95°	1.7	53.9	126.1	147.9	152.2
97.5°	1.7	44.4	113.1	135.7	138.3
100°	2.6	38.3	100.9	122.6	125.2
102.5°	2.6	33.9	90.5	109.6	111.3
105°	3.5	30.4	81.8	98.3	100.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.2	20.9	57.4	69.6	71.3
115°	5.2	17.4	50.4	61.8	63.5
117.5°	6.1	15.7	44.4	54.8	55.7
120°	6.1	13.0	38.3	48.7	49.6
122.5°	6.1	10.4	33.9	43.5	44.4
125°	6.1	8.7	29.6	38.3	39.1
127.5°	5.2	6.1	25.2	33.9	34.8
130°	5.2	5.2	20.9	29.6	31.3
132.5°	5.2	5.2	17.4	26.1	27.8
135°	5.2	5.2	13.9	23.5	24.4
137.5°	5.2	5.2	11.3	20.0	21.7
140°	5.2	5.2	8.7	17.4	18.3
142.5°	6.1	5.2	7.8	14.8	15.7
145°	7.0	5.2	6.1	11.3	13.0
147.5°	7.0	6.1	6.1	9.6	10.4
150°	7.0	7.0	5.2	7.0	8.7
152.5°	7.0	7.0	5.2	5.2	7.0
155°	7.0	7.0	5.2	5.2	5.2
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°	4.3	27.0	73.1	87.8	89.6
110°	4.3	23.5	64.4	78.3	80.0



(END OF REPORT)