

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: P829766

Luminaire Tested: **OHBL-12SE-MFL-UNV-L950-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829766
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-12SE-MFL-UNV-L950-CD
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 5000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

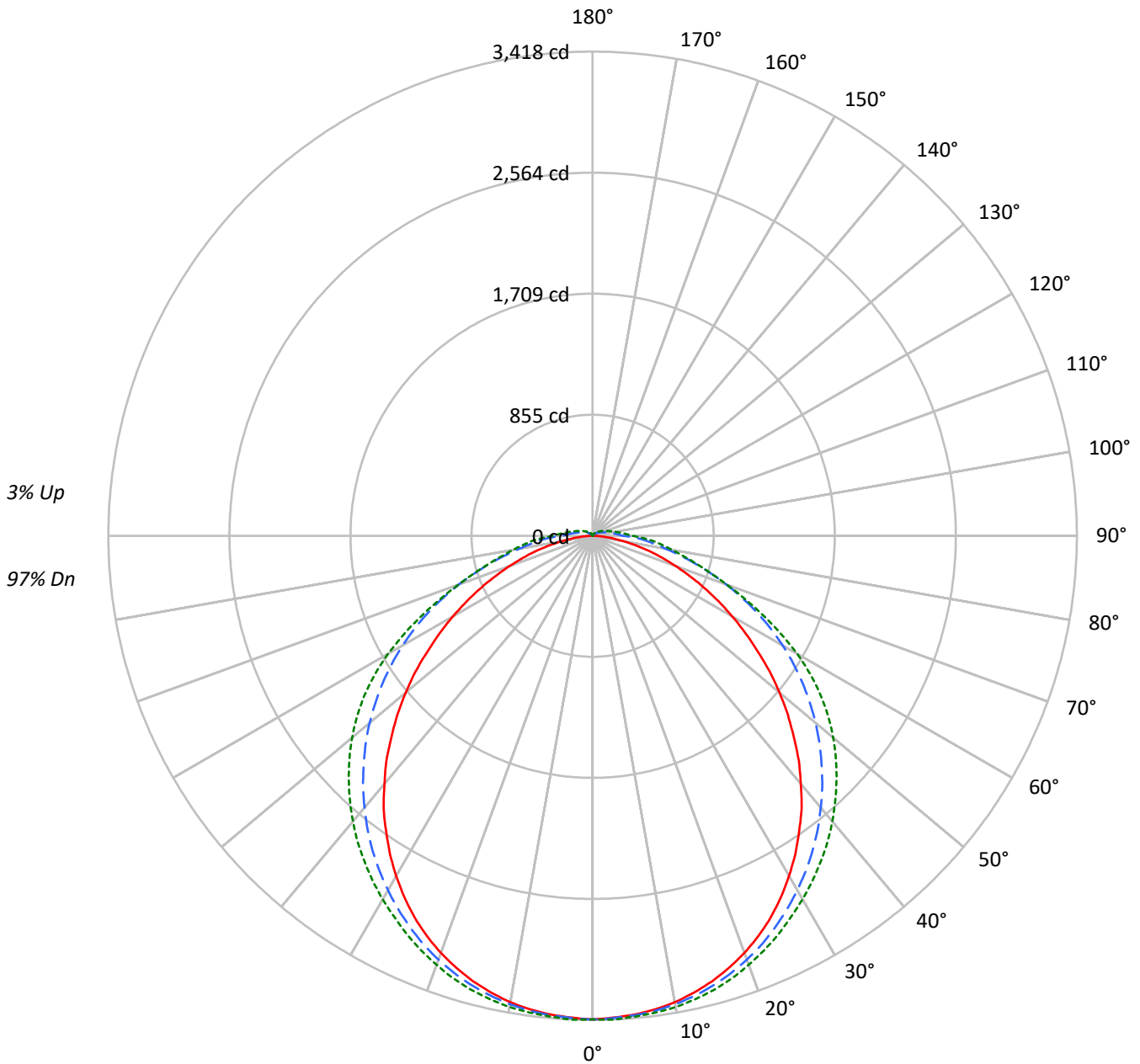
Lumens per Lamp: N/A
Luminaire Lumens: 10220.0 lumens
Efficiency: N/A
Efficacy: 146.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11109	11109	11109
5°	11038	10939	10945
10°	10961	10778	10797
15°	10838	10600	10632
20°	10676	10396	10434
25°	10459	10158	10233
30°	10159	9905	10030
35°	9795	9638	9837
40°	9358	9337	9639
45°	8842	9014	9408
50°	8279	8681	9142
55°	7586	8286	8768
60°	6876	7827	8157
65°	6101	7261	7253
70°	5261	6558	6283
75°	4411	5749	5526
80°	3344	5051	5110
85°	2115	4783	5047



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.6	3.2
10°-20°	928.3	9.1
20°-30°	1403.9	13.7
30°-40°	1685.4	16.5
40°-50°	1740.7	17.0
50°-60°	1566.1	15.3
60°-70°	1179.7	11.5
70°-80°	712.4	7.0
80°-90°	348.4	3.4
90°-100°	146.6	1.4
100°-110°	83.7	0.8
110°-120°	49.1	0.5
120°-130°	27.8	0.3
130°-140°	14.6	0.1
140°-150°	7.1	0.1
150°-160°	2.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2655.7	26.0
0°-40°	4341.1	42.5
0°-60°	7647.9	74.8
0°-90°	9888.3	96.8
90°-120°	279.5	2.7
90°-150°	329.1	3.2
90°-180°	332.0	3.2
0°-180°	10220.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3415	3415	3415	3415	3415	
5°	3393	3402	3398	3412	3407	322
15°	3256	3272	3287	3314	3318	918
25°	2974	3006	3049	3096	3104	1368
35°	2542	2602	2709	2790	2807	1589
45°	2007	2108	2284	2409	2434	1549
55°	1422	1569	1807	1943	1966	1275
65°	868	1045	1279	1342	1327	862
75°	409	587	740	760	752	436
85°	85	225	371	422	430	98
90°	0	88	212	267	278	5
95°	4	59	159	202	210	4
105°	6	34	92	120	125	6
115°	7	19	57	76	79	7
125°	7	9	34	49	52	6
135°	6	8	18	30	33	5
145°	8	8	8	15	18	5
155°	8	9	8	8	8	3
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°	3414.8	3414.8	3414.8	3414.8	3414.8
2.5°	3404.8	3413.2	3408.1	3419.0	3418.2
5°	3393.1	3402.3	3398.1	3411.5	3407.3
7.5°	3373.0	3383.1	3382.2	3397.3	3395.6
10°	3343.8	3354.7	3358.0	3378.1	3378.1
12.5°	3303.7	3317.9	3326.2	3350.5	3351.3
15°	3256.0	3271.9	3287.0	3314.5	3317.9
17.5°	3198.4	3218.4	3239.3	3271.1	3275.3
20°	3133.2	3155.7	3184.2	3217.6	3222.6
22.5°	3058.0	3084.7	3121.5	3160.8	3166.6
25°	2973.6	3006.2	3048.8	3096.4	3103.9
27.5°	2877.4	2915.1	2972.7	3026.2	3032.9
30°	2773.0	2817.3	2889.1	2952.7	2963.5
32.5°	2662.7	2713.6	2802.2	2873.3	2888.3
35°	2542.3	2601.7	2708.6	2790.5	2807.2
37.5°	2423.6	2488.8	2610.0	2703.6	2723.7
40°	2284.9	2366.0	2504.7	2608.3	2632.6
42.5°	2154.5	2242.3	2399.4	2512.2	2535.6
45°	2006.6	2107.7	2284.1	2408.6	2434.5
47.5°	1867.9	1977.4	2172.9	2301.6	2328.4
50°	1721.6	1842.0	2054.2	2188.8	2216.4
52.5°	1575.4	1704.9	1931.4	2071.0	2096.9
55°	1421.6	1568.7	1806.9	1943.1	1966.5
57.5°	1278.7	1434.1	1679.0	1808.5	1822.7
60°	1137.4	1298.7	1548.6	1662.3	1667.3
62.5°	999.5	1169.2	1414.9	1505.2	1498.5
65°	867.5	1044.7	1278.7	1342.2	1327.2
67.5°	740.5	923.5	1139.1	1180.1	1160.0
70°	620.1	805.7	1003.7	1024.6	1006.2
72.5°	514.0	693.7	866.7	884.2	870.8
75°	408.7	586.7	740.5	759.7	752.2
77.5°	310.1	483.1	624.3	649.4	651.0
80°	223.1	388.6	523.2	562.5	567.5
82.5°	147.1	301.7	438.8	488.9	496.4
85°	85.2	224.8	371.1	422.0	429.6
87.5°	36.8	162.1	298.4	344.3	353.5
90°	0.0	87.8	212.3	267.4	278.3
92.5°	2.5	72.7	182.2	232.3	241.5
95°	4.2	59.3	158.8	202.2	209.8
97.5°	5.0	50.1	137.9	176.3	183.9
100°	5.0	43.5	119.5	154.6	161.3
102.5°	5.0	38.4	104.5	135.4	141.2
105°	5.9	34.3	91.9	120.3	125.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.7	22.6	63.5	85.2	88.6
115°	6.7	19.2	56.8	76.1	79.4
117.5°	7.5	16.7	50.1	68.5	71.0
120°	7.5	14.2	44.3	61.0	64.4
122.5°	7.5	11.7	39.3	55.2	57.7
125°	6.7	9.2	34.3	49.3	51.8
127.5°	5.9	7.5	29.3	44.3	46.8
130°	5.9	6.7	25.1	39.3	41.8
132.5°	5.9	7.5	20.9	34.3	37.6
135°	5.9	7.5	17.6	30.1	33.4
137.5°	5.9	7.5	14.2	25.9	29.3
140°	6.7	7.5	11.7	21.7	25.1
142.5°	7.5	7.5	9.2	18.4	20.9
145°	8.4	7.5	8.4	15.0	17.6
147.5°	8.4	8.4	8.4	11.7	14.2
150°	8.4	9.2	8.4	9.2	11.7
152.5°	8.4	9.2	8.4	7.5	9.2
155°	8.4	9.2	8.4	7.5	8.4
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°	5.9	30.1	81.1	107.0	111.2
110°	5.9	26.7	71.9	95.3	99.5



(END OF REPORT)