

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: P829764

Luminaire Tested: **OHBL-12SE-MFL-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829764
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-L935-CD
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

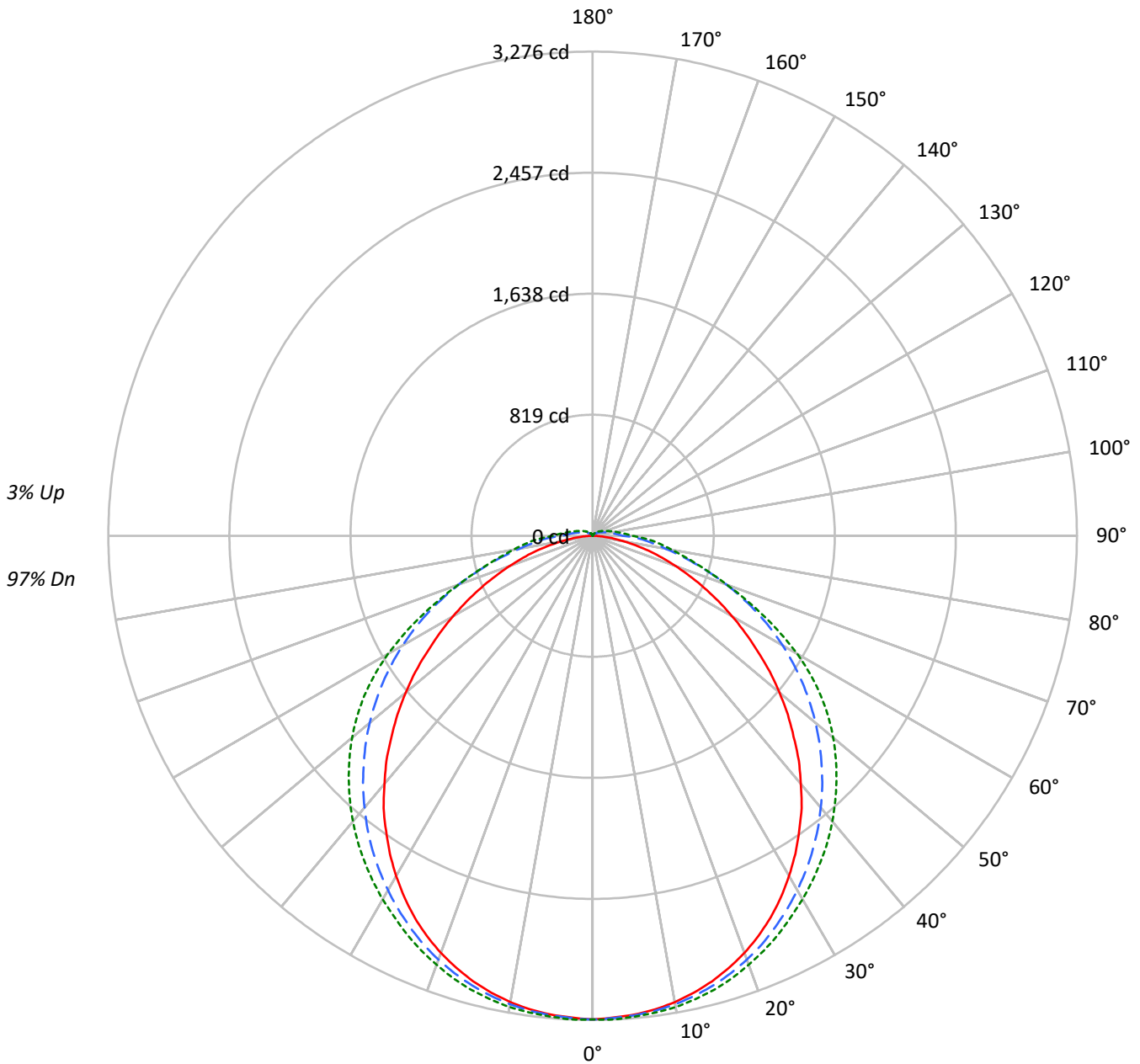
Lumens per Lamp: N/A
Luminaire Lumens: 9795.0 lumens
Efficiency: N/A
Efficacy: 139.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

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					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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	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	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	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	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	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	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	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	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	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	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	35	29	25	23		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10647	10647	10647
5°	10579	10484	10490
10°	10505	10330	10348
15°	10388	10159	10190
20°	10232	9964	10000
25°	10024	9736	9808
30°	9736	9493	9613
35°	9387	9237	9428
40°	8969	8949	9239
45°	8475	8639	9017
50°	7934	8320	8762
55°	7270	7941	8404
60°	6590	7502	7818
65°	5847	6958	6952
70°	5042	6286	6022
75°	4228	5510	5296
80°	3206	4840	4898
85°	2028	4583	4836



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.1	3.2
10°-20°	889.7	9.1
20°-30°	1345.5	13.7
30°-40°	1615.3	16.5
40°-50°	1668.3	17.0
50°-60°	1501.0	15.3
60°-70°	1130.7	11.5
70°-80°	682.7	7.0
80°-90°	333.9	3.4
90°-100°	140.6	1.4
100°-110°	80.2	0.8
110°-120°	47.1	0.5
120°-130°	26.6	0.3
130°-140°	14.0	0.1
140°-150°	6.8	0.1
150°-160°	2.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2545.3	26.0
0°-40°	4160.6	42.5
0°-60°	7329.8	74.8
0°-90°	9477.1	96.8
90°-120°	267.9	2.7
90°-150°	315.3	3.2
90°-180°	318.0	3.2
0°-180°	9795.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3273	3273	3273	3273	3273	
5°	3252	3261	3257	3270	3266	309
15°	3121	3136	3150	3177	3180	880
25°	2850	2881	2922	2968	2975	1311
35°	2437	2494	2596	2674	2690	1523
45°	1923	2020	2189	2308	2333	1485
55°	1362	1503	1732	1862	1885	1222
65°	831	1001	1226	1286	1272	826
75°	392	562	710	728	721	418
85°	82	216	356	404	412	94
90°	0	84	203	256	267	5
95°	4	57	152	194	201	3
105°	6	33	88	115	120	6
115°	6	18	54	73	76	7
125°	6	9	33	47	50	6
135°	6	7	17	29	32	4
145°	8	7	8	14	17	5
155°	8	9	8	7	8	2
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P829764

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3272.8	3272.8	3272.8	3272.8	3272.8
2.5°	3263.2	3271.2	3266.4	3276.8	3276.0
5°	3252.0	3260.8	3256.8	3269.6	3265.6
7.5°	3232.8	3242.4	3241.6	3256.0	3254.4
10°	3204.7	3215.2	3218.4	3237.6	3237.6
12.5°	3166.3	3179.9	3187.9	3211.1	3211.9
15°	3120.6	3135.9	3150.3	3176.7	3179.9
17.5°	3065.4	3084.6	3104.6	3135.1	3139.1
20°	3002.9	3024.5	3051.7	3083.8	3088.6
22.5°	2930.8	2956.4	2991.7	3029.3	3034.9
25°	2849.9	2881.1	2922.0	2967.6	2974.9
27.5°	2757.8	2793.8	2849.1	2900.4	2906.8
30°	2657.7	2700.1	2769.0	2829.9	2840.3
32.5°	2551.9	2600.8	2685.7	2753.8	2768.2
35°	2436.6	2493.5	2596.0	2674.5	2690.5
37.5°	2322.9	2385.3	2501.5	2591.2	2610.4
40°	2189.9	2267.6	2400.5	2499.9	2523.1
42.5°	2064.9	2149.0	2299.6	2407.8	2430.2
45°	1923.2	2020.1	2189.1	2308.4	2333.3
47.5°	1790.2	1895.1	2082.6	2205.9	2231.5
50°	1650.0	1765.4	1968.8	2097.8	2124.2
52.5°	1509.9	1634.0	1851.1	1984.8	2009.7
55°	1362.5	1503.4	1731.7	1862.3	1884.7
57.5°	1225.5	1374.5	1609.2	1733.3	1746.9
60°	1090.1	1244.7	1484.2	1593.2	1598.0
62.5°	958.0	1120.6	1356.1	1442.6	1436.2
65°	831.4	1001.2	1225.5	1286.4	1272.0
67.5°	709.7	885.1	1091.7	1131.0	1111.8
70°	594.3	772.1	962.0	982.0	964.4
72.5°	492.6	664.8	830.6	847.4	834.6
75°	391.7	562.3	709.7	728.1	720.9
77.5°	297.2	463.0	598.3	622.4	624.0
80°	213.9	372.5	501.4	539.1	543.9
82.5°	141.0	289.2	420.5	468.6	475.8
85°	81.7	215.5	355.6	404.5	411.7
87.5°	35.2	155.4	286.0	330.0	338.8
90°	0.0	84.1	203.4	256.3	266.7
92.5°	2.4	69.7	174.6	222.7	231.5
95°	4.0	56.9	152.2	193.8	201.0
97.5°	4.8	48.1	132.2	169.0	176.2
100°	4.8	41.7	114.5	148.2	154.6
102.5°	4.8	36.8	100.1	129.8	135.4
105°	5.6	32.8	88.1	115.3	120.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.4	21.6	60.9	81.7	84.9
115°	6.4	18.4	54.5	72.9	76.1
117.5°	7.2	16.0	48.1	65.7	68.1
120°	7.2	13.6	42.5	58.5	61.7
122.5°	7.2	11.2	37.6	52.9	55.3
125°	6.4	8.8	32.8	47.3	49.7
127.5°	5.6	7.2	28.0	42.5	44.9
130°	5.6	6.4	24.0	37.6	40.0
132.5°	5.6	7.2	20.0	32.8	36.0
135°	5.6	7.2	16.8	28.8	32.0
137.5°	5.6	7.2	13.6	24.8	28.0
140°	6.4	7.2	11.2	20.8	24.0
142.5°	7.2	7.2	8.8	17.6	20.0
145°	8.0	7.2	8.0	14.4	16.8
147.5°	8.0	8.0	8.0	11.2	13.6
150°	8.0	8.8	8.0	8.8	11.2
152.5°	8.0	8.8	8.0	7.2	8.8
155°	8.0	8.8	8.0	7.2	8.0
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°	5.6	28.8	77.7	102.5	106.5
110°	5.6	25.6	68.9	91.3	95.3



(END OF REPORT)