

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: P829745

Luminaire Tested: **OHBL-12SE-MCL-UNV-L740-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-12SE-MCL-UNV-L740-CD
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

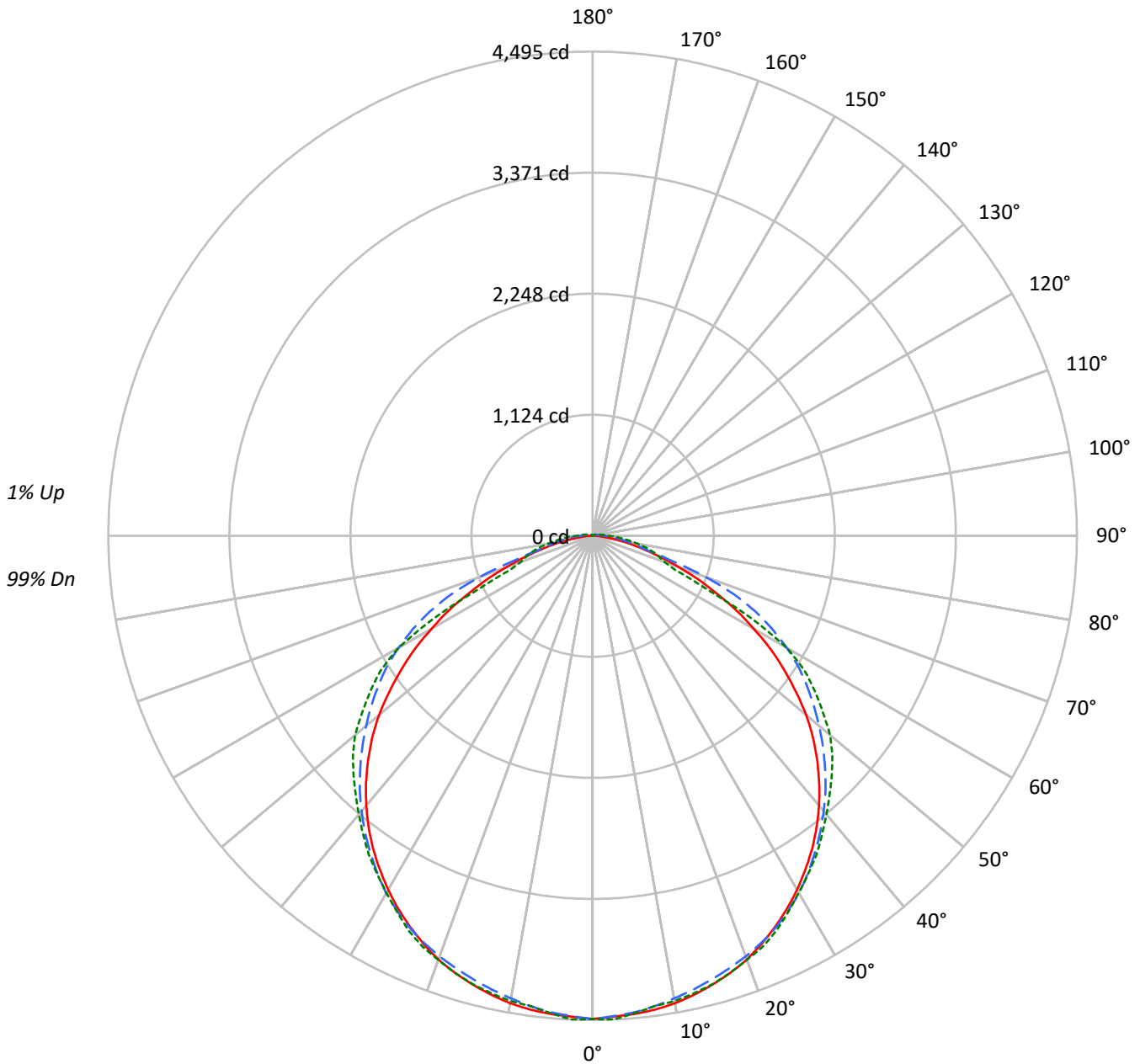
Lumens per Lamp: N/A
Luminaire Lumens: 12680.0 lumens
Efficiency: N/A
Efficacy: 181.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

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	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101	99																			
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86	83																			
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70																			
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61	59																			
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53	51																			
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46	44																			
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40	38																			
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36	34																			
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32	30																			
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29	27																			
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14595	14595	14595
5°	14500	14297	14292
10°	14447	13997	14015
15°	14355	13754	13804
20°	14263	13569	13565
25°	14091	13383	13325
30°	13904	13136	12950
35°	13680	12794	12684
40°	13389	12440	12360
45°	12986	12039	12128
50°	12439	11590	11864
55°	11571	11134	11234
60°	10434	10515	10180
65°	8951	9488	6293
70°	7210	7231	4414
75°	5406	4150	4279
80°	3762	3275	3808
85°	2142	2734	3154



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.0	3.3
10°-20°	1213.0	9.6
20°-30°	1852.6	14.6
30°-40°	2247.8	17.7
40°-50°	2356.0	18.6
50°-60°	2134.9	16.8
60°-70°	1431.3	11.3
70°-80°	642.7	5.1
80°-90°	233.2	1.8
90°-100°	70.2	0.6
100°-110°	33.1	0.3
110°-120°	16.6	0.1
120°-130°	9.2	0.1
130°-140°	6.3	0.0
140°-150°	4.2	0.0
150°-160°	3.1	0.0
160°-170°	2.0	0.0
170°-180°	0.6	0.0
0°-30°	3488.6	27.5
0°-40°	5736.4	45.2
0°-60°	10227.3	80.7
0°-90°	12534.6	98.9
90°-120°	119.9	0.9
90°-150°	139.6	1.1
90°-180°	145.0	1.1
0°-180°	12680.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4486	4486	4486	4486	4486	
5°	4457	4473	4441	4455	4449	424
15°	4312	4296	4265	4303	4308	1218
25°	4006	3989	4017	4054	4042	1847
35°	3551	3559	3596	3634	3620	2219
45°	2947	2995	3051	3128	3138	2270
55°	2168	2273	2428	2525	2519	1936
65°	1273	1472	1671	1410	1151	1268
75°	501	726	534	547	582	547
85°	86	165	212	256	268	105
90°	1	55	110	138	144	5
95°	1	34	75	92	94	1
105°	3	15	37	45	47	3
115°	5	8	19	24	25	5
125°	4	5	12	14	14	5
135°	6	6	7	10	11	5
145°	6	6	6	7	8	4
155°	6	7	7	7	6	3
165°	7	7	7	7	7	2
175°	7	7	6	6	6	1
180°	6	6	6	6	6	



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CATALOG NUMBER: OHBL-12SE-MCL-UNV-L740-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4486.2	4486.2	4486.2	4486.2	4486.2
2.5°	4468.0	4486.8	4463.5	4488.8	4495.3
5°	4457.0	4472.6	4441.4	4455.1	4449.2
7.5°	4436.9	4442.1	4405.1	4416.1	4404.5
10°	4407.1	4404.5	4361.0	4382.4	4385.0
12.5°	4362.9	4355.2	4316.2	4348.7	4349.3
15°	4312.4	4295.5	4265.0	4302.6	4307.8
17.5°	4254.0	4231.9	4211.8	4260.5	4252.7
20°	4185.9	4159.9	4156.0	4209.2	4189.8
22.5°	4101.5	4081.4	4090.5	4141.1	4128.8
25°	4006.2	3988.7	4016.6	4053.5	4041.9
27.5°	3905.6	3895.3	3927.0	3955.6	3932.9
30°	3795.4	3789.5	3831.7	3855.0	3826.5
32.5°	3675.4	3677.3	3717.5	3749.3	3722.7
35°	3550.8	3559.2	3595.6	3633.8	3619.6
37.5°	3413.9	3432.8	3469.1	3512.5	3497.6
40°	3269.3	3296.5	3336.8	3389.3	3375.7
42.5°	3113.0	3147.3	3199.2	3257.6	3256.3
45°	2946.9	2994.9	3050.7	3128.5	3138.3
47.5°	2774.4	2828.2	2898.9	3002.7	3017.6
50°	2586.9	2654.4	2742.6	2867.1	2876.2
52.5°	2378.0	2470.1	2586.9	2706.2	2695.2
55°	2168.5	2272.9	2428.0	2525.3	2519.4
57.5°	1959.6	2077.0	2265.2	2334.6	2333.9
60°	1726.1	1874.7	2080.3	2132.8	2080.9
62.5°	1510.1	1669.7	1883.1	1844.8	1667.1
65°	1272.7	1471.8	1671.0	1410.2	1151.4
67.5°	1061.9	1269.4	1419.3	965.9	827.1
70°	849.8	1078.7	1106.6	716.8	707.0
72.5°	661.6	905.5	763.5	613.6	644.8
75°	500.8	726.5	534.5	546.8	582.5
77.5°	365.2	557.9	415.8	479.4	508.6
80°	251.0	395.0	339.3	402.8	422.9
82.5°	157.6	260.8	271.8	324.3	345.1
85°	86.3	165.4	212.1	256.2	268.5
87.5°	35.7	99.9	162.2	197.8	208.2
90°	0.6	55.1	109.6	137.5	144.0
92.5°	0.6	42.2	89.5	110.9	115.5
95°	0.6	34.4	75.2	91.5	94.1
97.5°	1.3	27.2	62.9	75.9	78.5
100°	1.9	22.7	52.5	63.6	65.5
102.5°	2.6	18.2	44.1	53.2	55.1
105°	2.6	14.9	37.0	44.8	46.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.5	9.1	22.1	27.9	29.2
115°	5.2	7.8	18.8	24.0	25.3
117.5°	5.2	6.5	16.2	20.1	21.4
120°	5.2	5.8	14.3	17.5	18.2
122.5°	5.2	5.2	12.3	15.6	16.2
125°	4.5	5.2	11.7	13.6	14.3
127.5°	5.2	5.2	10.4	12.3	13.0
130°	5.2	5.8	9.1	11.7	11.7
132.5°	5.8	6.5	8.4	11.0	11.0
135°	5.8	6.5	7.1	10.4	11.0
137.5°	6.5	6.5	6.5	9.7	10.4
140°	6.5	6.5	5.8	8.4	9.1
142.5°	5.8	6.5	5.8	7.8	8.4
145°	5.8	6.5	6.5	7.1	7.8
147.5°	6.5	6.5	6.5	6.5	7.1
150°	6.5	6.5	6.5	6.5	6.5
152.5°	6.5	6.5	6.5	6.5	6.5
155°	6.5	7.1	7.1	7.1	6.5
157.5°	6.5	7.1	7.1	7.1	7.1
160°	6.5	7.1	7.1	7.1	7.1
162.5°	7.1	7.1	7.1	7.1	7.1
165°	7.1	7.1	7.1	7.1	7.1
167.5°	7.1	7.8	7.1	7.1	7.1
170°	7.1	7.1	7.1	6.5	6.5
172.5°	7.1	7.1	7.1	6.5	6.5
175°	7.1	7.1	6.5	5.8	5.8
177.5°	7.8	7.1	6.5	5.8	5.2
180°	6.5	6.5	6.5	6.5	6.5



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	3.2	12.3	31.8	38.3	39.6
110°	3.9	10.4	26.6	32.4	33.7



(END OF REPORT)