

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: P829782

Luminaire Tested: **OHBL-12SE-NL-UNV-L750-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-12SE-NL-UNV-L750-CD
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

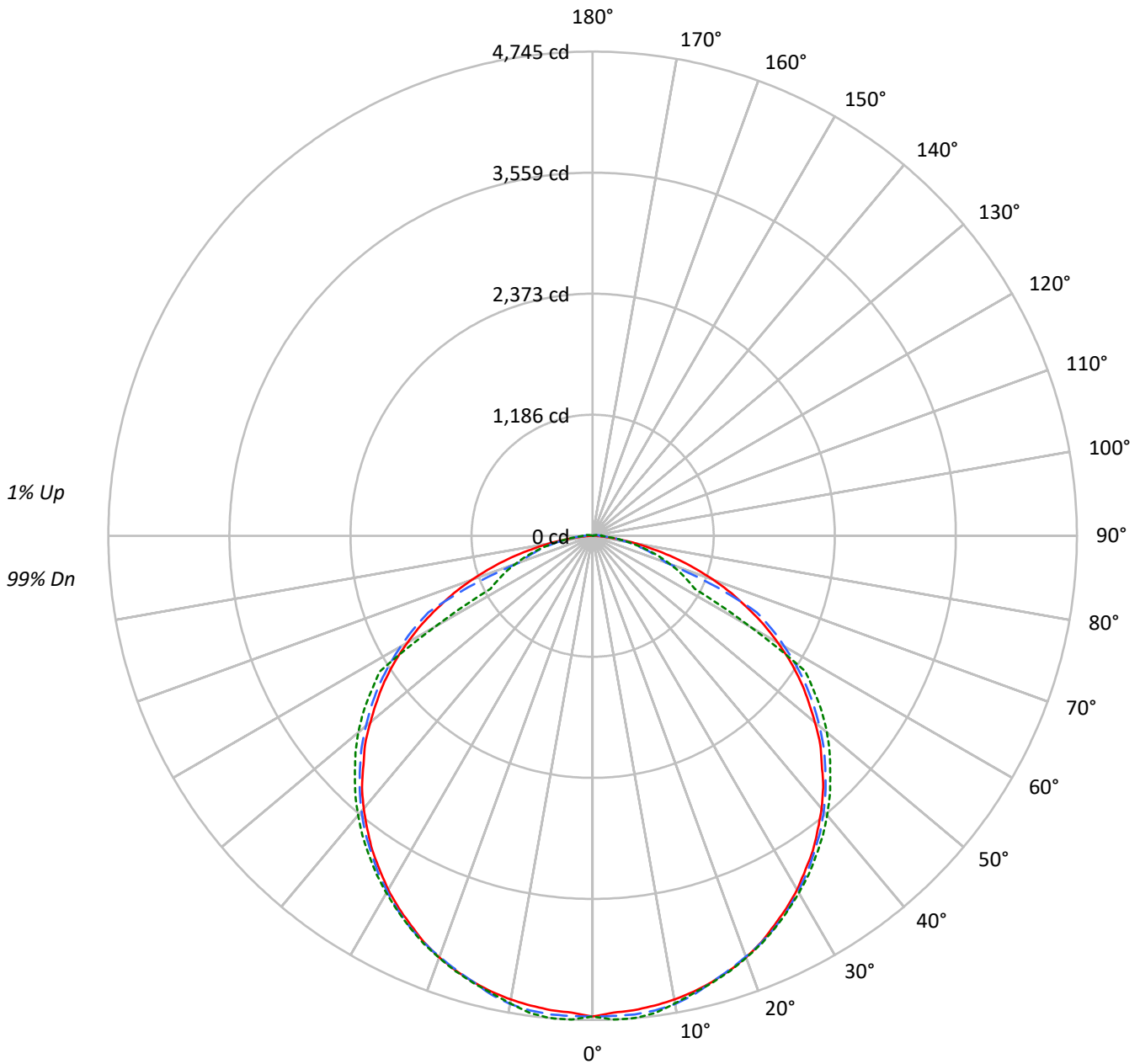
Lumens per Lamp: N/A
Luminaire Lumens: 13226.0 lumens
Efficiency: N/A
Efficacy: 188.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 0.88' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 70
Input Voltage (V): NR
Input Current (Ain): 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

TEST NUMBER: P829782

CATALOG NUMBER: OHBL-12SE-NL-UNV-L750-CD

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	111	111	111	106	106	106	102	102	102					99															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15326	15326	15326
5°	15241	15379	15495
10°	15245	15390	15371
15°	15243	15240	15273
20°	15222	15199	15236
25°	15118	15195	15207
30°	15048	15125	15185
35°	14950	15032	15173
40°	14821	14961	15183
45°	14607	14828	15151
50°	14387	14680	15166
55°	14112	14478	14998
60°	13639	14123	11677
65°	12904	13655	7858
70°	11936	7249	7627
75°	10410	6888	7283
80°	8006	6319	6675
85°	4043	6387	6540



TEST NUMBER: P829782

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	447.5	3.4
10°-20°	1281.4	9.7
20°-30°	1949.8	14.7
30°-40°	2370.7	17.9
40°-50°	2492.7	18.8
50°-60°	2276.1	17.2
60°-70°	1459.1	11.0
70°-80°	689.2	5.2
80°-90°	191.1	1.4
90°-100°	50.6	0.4
100°-110°	13.9	0.1
110°-120°	3.8	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3678.8	27.8
0°-40°	6049.5	45.7
0°-60°	10818.2	81.8
0°-90°	13157.7	99.5
90°-120°	68.3	0.5
90°-150°	68.3	0.5
90°-180°	68.0	0.5
0°-180°	13226.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4711	4711	4711	4711	4711	
5°	4667	4685	4709	4735	4745	444
15°	4526	4560	4525	4531	4535	1278
25°	4212	4218	4233	4240	4236	1943
35°	3764	3742	3785	3831	3820	2352
45°	3175	3169	3223	3299	3293	2454
55°	2488	2469	2552	2638	2644	2219
65°	1676	1676	1774	1018	1021	1662
75°	828	844	548	577	579	873
85°	108	137	171	185	175	160
90°	0	46	76	90	88	5
95°	2	24	55	74	74	1
105°	4	9	13	13	12	4
115°	4	6	8	6	1	3
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P829782

CATALOG NUMBER: OHBL-12SE-NL-UNV-L750-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4710.8	4710.8	4710.8	4710.8	4710.8
2.5°	4677.7	4693.4	4710.8	4733.1	4745.4
5°	4666.9	4685.1	4709.1	4734.7	4744.6
7.5°	4643.8	4669.4	4692.6	4710.8	4716.5
10°	4614.8	4645.5	4658.7	4657.0	4652.9
12.5°	4576.0	4608.3	4604.2	4585.1	4588.4
15°	4525.6	4559.5	4524.8	4531.4	4534.7
17.5°	4466.1	4499.2	4458.6	4471.8	4472.7
20°	4396.7	4421.4	4390.0	4400.8	4400.8
22.5°	4313.2	4330.5	4317.3	4324.7	4326.4
25°	4211.5	4218.1	4232.9	4239.6	4236.3
27.5°	4114.0	4105.7	4134.7	4150.3	4142.0
30°	4005.7	3992.5	4026.3	4052.0	4042.1
32.5°	3881.7	3873.4	3912.3	3942.8	3937.1
35°	3764.3	3742.0	3785.0	3831.3	3820.5
37.5°	3625.4	3612.2	3660.9	3709.8	3704.0
40°	3489.9	3467.5	3522.9	3580.8	3575.0
42.5°	3344.4	3317.9	3378.3	3447.8	3441.1
45°	3174.9	3169.1	3222.9	3298.9	3293.1
47.5°	3024.6	2995.6	3070.8	3144.4	3151.0
50°	2842.6	2831.9	2900.5	2989.8	2996.4
52.5°	2665.0	2657.5	2729.4	2819.5	2831.1
55°	2488.0	2469.0	2552.5	2637.7	2644.3
57.5°	2298.8	2278.9	2364.1	2456.7	2470.7
60°	2096.2	2077.2	2170.6	2256.6	1794.6
62.5°	1893.7	1880.5	1978.1	1401.1	1129.2
65°	1676.3	1676.3	1773.8	1017.5	1020.8
67.5°	1473.0	1459.8	1322.6	914.2	914.2
70°	1254.8	1259.8	762.1	801.0	801.8
72.5°	1035.7	1053.9	658.0	689.3	691.0
75°	828.2	844.0	548.0	577.0	579.4
77.5°	608.4	467.8	440.5	462.9	463.7
80°	427.3	295.1	337.3	358.7	356.3
82.5°	249.6	206.6	247.1	262.9	262.0
85°	108.3	137.2	171.1	185.2	175.2
87.5°	34.7	85.2	106.6	114.9	114.0
90°	0.0	46.3	76.0	90.1	88.5
92.5°	0.0	36.3	66.2	82.7	83.5
95°	2.5	24.0	54.6	73.6	73.6
97.5°	1.7	17.3	38.9	57.8	59.5
100°	1.7	14.0	25.6	41.3	42.2
102.5°	4.1	11.6	15.7	26.4	27.3
105°	4.1	9.1	13.2	13.2	12.4



TEST NUMBER: P829782

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.0	6.7	9.1	6.7	0.8
115°	4.1	5.8	8.2	5.8	0.8
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	4.1	8.2	11.6	7.4	2.5
110°	5.0	7.4	9.9	6.7	0.8



(END OF REPORT)