

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: P829852

Luminaire Tested: **OHBL-15SE-NL-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829852
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-15SE-NL-UNV-L735-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

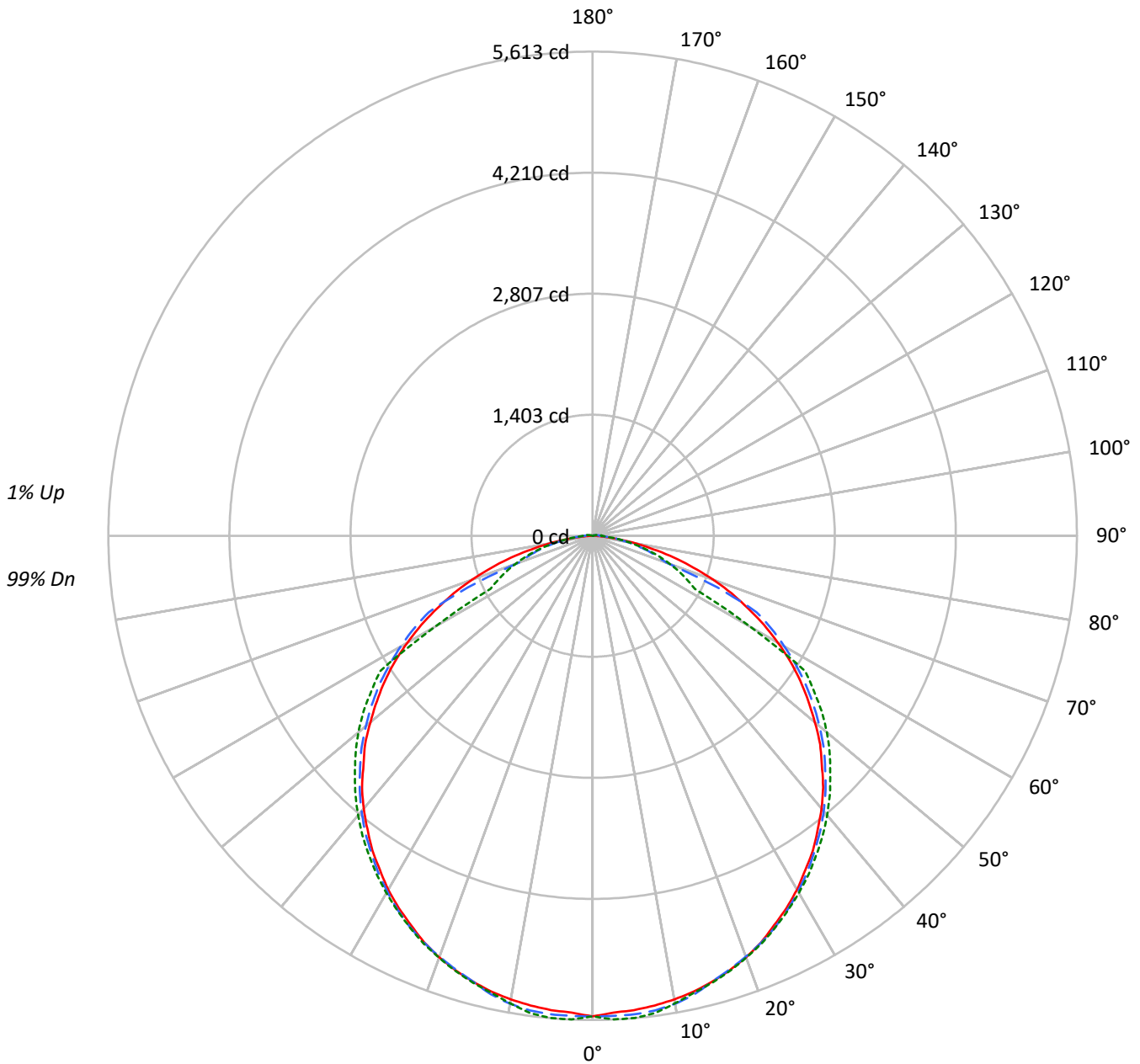
Lumens per Lamp: N/A
Luminaire Lumens: 15643.0 lumens
Efficiency: N/A
Efficacy: 179.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 0.88' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 87
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: P829852

CATALOG NUMBER: OHBL-15SE-NL-UNV-L735-CD

Luminous Intensity Polar Plot





TEST NUMBER: P829852

CATALOG NUMBER: OHBL-15SE-NL-UNV-L735-CD

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°	18126	18126	18126
5°	18026	18189	18326
10°	18031	18202	18180
15°	18028	18025	18064
20°	18004	17976	18020
25°	17880	17972	17986
30°	17798	17889	17959
35°	17682	17779	17946
40°	17530	17696	17957
45°	17277	17538	17920
50°	17016	17363	17937
55°	16691	17124	17739
60°	16132	16704	13810
65°	15263	16150	9295
70°	14117	8573	9020
75°	12313	8148	8614
80°	9469	7473	7895
85°	4778	7555	7734



TEST NUMBER: P829852

CATALOG NUMBER: OHBL-15SE-NL-UNV-L735-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	529.3	3.4
10°-20°	1515.6	9.7
20°-30°	2306.1	14.7
30°-40°	2803.9	17.9
40°-50°	2948.2	18.8
50°-60°	2692.1	17.2
60°-70°	1725.7	11.0
70°-80°	815.2	5.2
80°-90°	226.1	1.4
90°-100°	59.9	0.4
100°-110°	16.4	0.1
110°-120°	4.5	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°	4351.1	27.8
0°-40°	7155.0	45.7
0°-60°	12795.2	81.8
0°-90°	15562.2	99.5
90°-120°	80.8	0.5
90°-150°	80.8	0.5
90°-180°	81.0	0.5
0°-180°	15643.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5572	5572	5572	5572	5572	
5°	5520	5541	5570	5600	5612	525
15°	5353	5393	5352	5359	5363	1511
25°	4981	4989	5006	5014	5010	2298
35°	4452	4426	4477	4531	4519	2782
45°	3755	3748	3812	3902	3895	2902
55°	2943	2920	3019	3120	3128	2624
65°	1983	1983	2098	1204	1207	1966
75°	980	998	648	682	685	1033
85°	128	162	202	219	207	189
90°	0	55	90	106	105	6
95°	3	28	65	87	87	2
105°	5	11	16	16	15	5
115°	5	7	10	7	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	



TEST NUMBER: P829852

CATALOG NUMBER: OHBL-15SE-NL-UNV-L735-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5571.6	5571.6	5571.6	5571.6	5571.6
2.5°	5532.5	5551.1	5571.6	5598.0	5612.6
5°	5519.8	5541.3	5569.7	5600.0	5611.7
7.5°	5492.5	5522.7	5550.1	5571.6	5578.5
10°	5458.2	5494.4	5510.0	5508.1	5503.2
12.5°	5412.2	5450.4	5445.6	5423.0	5426.9
15°	5352.6	5392.7	5351.7	5359.4	5363.4
17.5°	5282.2	5321.4	5273.4	5289.1	5290.1
20°	5200.2	5229.4	5192.3	5205.0	5205.0
22.5°	5101.4	5121.9	5106.3	5115.1	5117.0
25°	4981.1	4988.9	5006.5	5014.4	5010.4
27.5°	4865.8	4856.0	4890.3	4908.8	4898.9
30°	4737.7	4722.1	4762.1	4792.4	4780.7
32.5°	4591.0	4581.3	4627.2	4663.4	4656.5
35°	4452.2	4425.8	4476.6	4531.4	4518.7
37.5°	4288.0	4272.3	4330.0	4387.7	4380.9
40°	4127.6	4101.2	4166.7	4235.2	4228.3
42.5°	3955.6	3924.2	3995.6	4077.8	4070.0
45°	3755.1	3748.3	3811.8	3901.8	3894.9
47.5°	3577.3	3543.0	3631.9	3719.0	3726.8
50°	3362.1	3349.5	3430.6	3536.2	3543.9
52.5°	3152.0	3143.2	3228.2	3334.8	3348.4
55°	2942.7	2920.2	3019.0	3119.7	3127.5
57.5°	2718.9	2695.4	2796.1	2905.6	2922.2
60°	2479.3	2456.8	2567.3	2669.0	2122.5
62.5°	2239.8	2224.1	2339.6	1657.1	1335.5
65°	1982.7	1982.7	2098.0	1203.5	1207.4
67.5°	1742.2	1726.6	1564.3	1081.2	1081.2
70°	1484.1	1490.0	901.3	947.4	948.3
72.5°	1225.0	1246.5	778.3	815.3	817.3
75°	979.6	998.2	648.2	682.4	685.3
77.5°	719.6	553.3	521.1	547.5	548.5
80°	505.4	349.0	398.9	424.3	421.4
82.5°	295.2	244.4	292.3	310.9	309.9
85°	128.0	162.3	202.4	219.0	207.2
87.5°	41.0	100.7	126.1	135.9	134.9
90°	0.0	54.8	89.9	106.5	104.6
92.5°	0.0	43.0	78.3	97.8	98.7
95°	2.9	28.4	64.6	87.0	87.0
97.5°	2.0	20.5	46.0	68.4	70.4
100°	2.0	16.6	30.3	48.9	49.9
102.5°	4.9	13.7	18.5	31.3	32.3
105°	4.9	10.8	15.6	15.6	14.7



TEST NUMBER: P829852

CATALOG NUMBER: OHBL-15SE-NL-UNV-L735-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.9	7.9	10.8	7.9	0.9
115°	4.9	6.8	9.7	6.8	0.9
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°	4.9	9.7	13.7	8.8	2.9
110°	5.9	8.8	11.7	7.9	0.9



(END OF REPORT)