

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: P829808

Luminaire Tested: **OHBL-15SE-A-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829808
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-15SE-A-UNV-L835-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

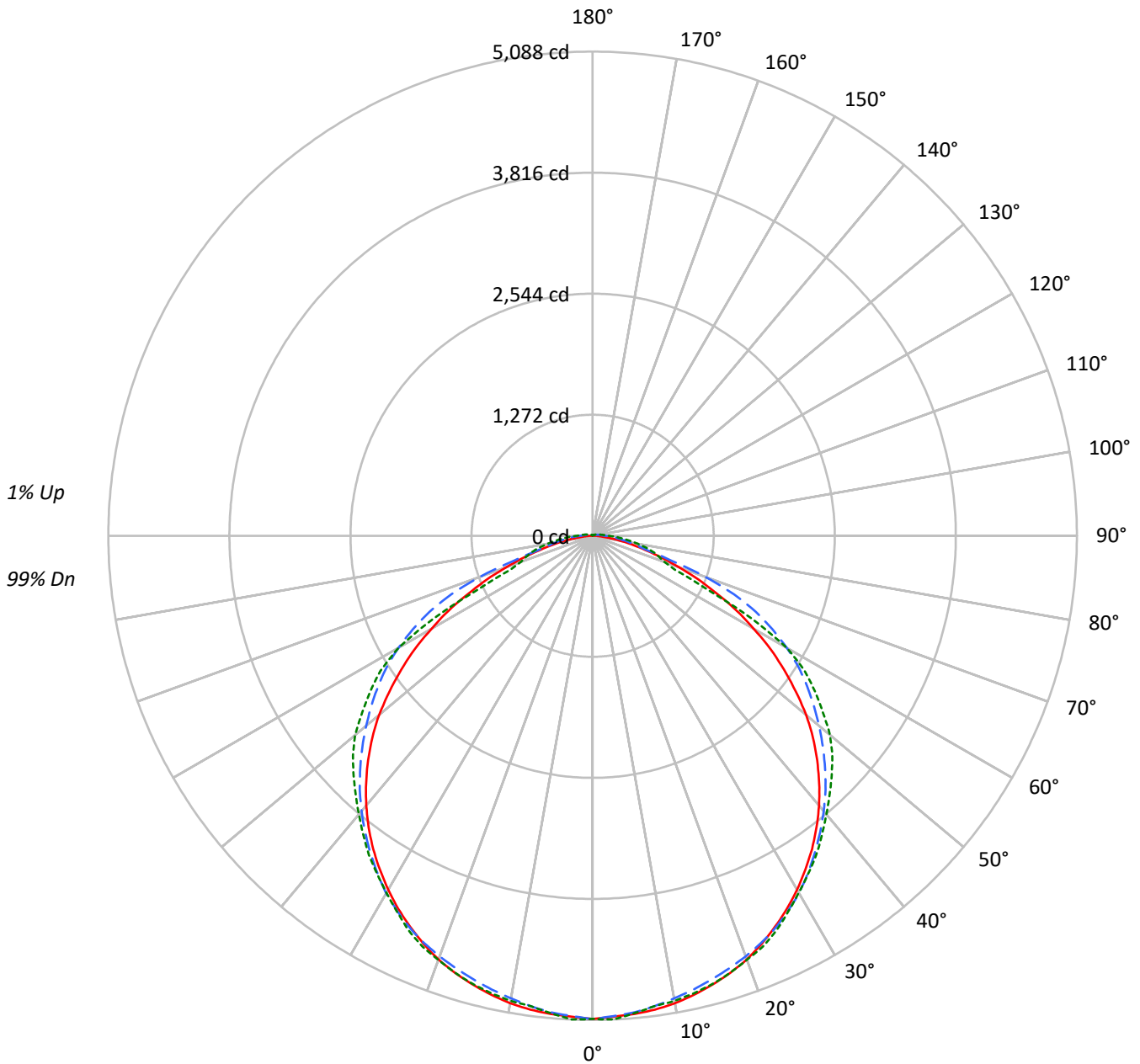
Lumens per Lamp: N/A
Luminaire Lumens: 14352.0 lumens
Efficiency: N/A
Efficacy: 165.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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: P829808

CATALOG NUMBER: OHBL-15SE-A-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P829808

CATALOG NUMBER: OHBL-15SE-A-UNV-L835-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	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°	16519	16519	16519
5°	16411	16182	16176
10°	16351	15843	15863
15°	16248	15567	15625
20°	16144	15358	15353
25°	15949	15148	15082
30°	15737	14868	14658
35°	15484	14481	14356
40°	15155	14079	13990
45°	14698	13626	13728
50°	14080	13118	13428
55°	13097	12602	12715
60°	11810	11901	11523
65°	10131	10739	7122
70°	8160	8185	4997
75°	6118	4697	4844
80°	4258	3707	4311
85°	2422	3095	3571



TEST NUMBER: P829808

CATALOG NUMBER: OHBL-15SE-A-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.8	3.3
10°-20°	1372.9	9.6
20°-30°	2096.9	14.6
30°-40°	2544.2	17.7
40°-50°	2666.6	18.6
50°-60°	2416.3	16.8
60°-70°	1620.1	11.3
70°-80°	727.5	5.1
80°-90°	264.0	1.8
90°-100°	79.5	0.6
100°-110°	37.5	0.3
110°-120°	18.8	0.1
120°-130°	10.4	0.1
130°-140°	7.1	0.0
140°-150°	4.8	0.0
150°-160°	3.6	0.0
160°-170°	2.3	0.0
170°-180°	0.7	0.0
0°-30°	3948.6	27.5
0°-40°	6492.9	45.2
0°-60°	11575.8	80.7
0°-90°	14187.4	98.9
90°-120°	135.7	0.9
90°-150°	158.0	1.1
90°-180°	165.0	1.1
0°-180°	14352.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5078	5078	5078	5078	5078	
5°	5045	5062	5027	5042	5036	480
15°	4881	4862	4827	4870	4876	1378
25°	4534	4515	4546	4588	4575	2090
35°	4019	4029	4070	4113	4097	2512
45°	3336	3390	3453	3541	3552	2569
55°	2454	2573	2748	2858	2852	2191
65°	1440	1666	1891	1596	1303	1435
75°	567	822	605	619	659	619
85°	98	187	240	290	304	119
90°	1	62	124	156	163	6
95°	1	39	85	104	106	1
105°	3	17	42	51	53	3
115°	6	9	21	27	29	5
125°	5	6	13	15	16	5
135°	7	7	8	12	12	5
145°	7	7	7	8	9	4
155°	7	8	8	8	7	3
165°	8	8	8	8	8	2
175°	8	8	7	7	7	1
180°	7	7	7	7	7	



TEST NUMBER: P829808

CATALOG NUMBER: OHBL-15SE-A-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5077.7	5077.7	5077.7	5077.7	5077.7
2.5°	5057.2	5078.5	5052.1	5080.7	5088.0
5°	5044.7	5062.3	5027.1	5042.5	5035.9
7.5°	5022.0	5027.8	4986.0	4998.5	4985.2
10°	4988.2	4985.2	4936.0	4960.3	4963.2
12.5°	4938.3	4929.4	4885.4	4922.1	4922.8
15°	4881.0	4861.9	4827.4	4870.0	4875.8
17.5°	4814.9	4789.9	4767.2	4822.2	4813.4
20°	4737.8	4708.4	4704.0	4764.2	4742.2
22.5°	4642.4	4619.6	4629.9	4687.2	4673.2
25°	4534.4	4514.6	4546.2	4588.0	4574.8
27.5°	4420.6	4408.9	4444.9	4477.2	4451.5
30°	4295.8	4289.2	4336.9	4363.4	4331.1
32.5°	4160.0	4162.2	4207.7	4243.7	4213.6
35°	4019.0	4028.6	4069.7	4113.0	4096.9
37.5°	3864.1	3885.4	3926.5	3975.7	3958.8
40°	3700.4	3731.2	3776.7	3836.2	3820.8
42.5°	3523.4	3562.4	3621.1	3687.2	3685.7
45°	3335.5	3389.8	3453.0	3541.1	3552.1
47.5°	3140.2	3201.1	3281.2	3398.6	3415.5
50°	2928.0	3004.4	3104.2	3245.2	3255.5
52.5°	2691.6	2795.8	2928.0	3063.1	3050.6
55°	2454.4	2572.6	2748.1	2858.3	2851.6
57.5°	2218.0	2350.9	2563.8	2642.4	2641.7
60°	1953.7	2121.8	2354.6	2414.1	2355.3
62.5°	1709.2	1889.8	2131.4	2088.1	1886.9
65°	1440.5	1665.9	1891.3	1596.2	1303.2
67.5°	1201.9	1436.8	1606.4	1093.2	936.1
70°	961.8	1221.0	1252.6	811.3	800.3
72.5°	748.9	1024.9	864.2	694.6	729.8
75°	566.8	822.3	605.0	618.9	659.3
77.5°	413.4	631.4	470.6	542.6	575.6
80°	284.1	447.1	384.0	455.9	478.7
82.5°	178.4	295.1	307.6	367.1	390.6
85°	97.6	187.2	240.1	290.0	304.0
87.5°	40.4	113.1	183.6	223.9	235.7
90°	0.7	62.4	124.1	155.7	163.0
92.5°	0.7	47.7	101.3	125.5	130.7
95°	0.7	38.9	85.2	103.5	106.5
97.5°	1.5	30.8	71.2	85.9	88.8
100°	2.2	25.7	59.5	72.0	74.2
102.5°	2.9	20.6	49.9	60.2	62.4
105°	2.9	16.9	41.8	50.7	52.9



TEST NUMBER: P829808

CATALOG NUMBER: OHBL-15SE-A-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.1	10.3	25.0	31.6	33.0
115°	5.9	8.8	21.3	27.2	28.6
117.5°	5.9	7.3	18.4	22.8	24.2
120°	5.9	6.6	16.2	19.8	20.6
122.5°	5.9	5.9	13.9	17.6	18.4
125°	5.1	5.9	13.2	15.4	16.2
127.5°	5.9	5.9	11.7	13.9	14.7
130°	5.9	6.6	10.3	13.2	13.2
132.5°	6.6	7.3	9.5	12.5	12.5
135°	6.6	7.3	8.1	11.7	12.5
137.5°	7.3	7.3	7.3	11.0	11.7
140°	7.3	7.3	6.6	9.5	10.3
142.5°	6.6	7.3	6.6	8.8	9.5
145°	6.6	7.3	7.3	8.1	8.8
147.5°	7.3	7.3	7.3	7.3	8.1
150°	7.3	7.3	7.3	7.3	7.3
152.5°	7.3	7.3	7.3	7.3	7.3
155°	7.3	8.1	8.1	8.1	7.3
157.5°	7.3	8.1	8.1	8.1	8.1
160°	7.3	8.1	8.1	8.1	8.1
162.5°	8.1	8.1	8.1	8.1	8.1
165°	8.1	8.1	8.1	8.1	8.1
167.5°	8.1	8.8	8.1	8.1	8.1
170°	8.1	8.1	8.1	7.3	7.3
172.5°	8.1	8.1	8.1	7.3	7.3
175°	8.1	8.1	7.3	6.6	6.6
177.5°	8.8	8.1	7.3	6.6	5.9
180°	7.3	7.3	7.3	7.3	7.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	3.7	13.9	36.0	43.3	44.8
110°	4.4	11.7	30.1	36.7	38.2



(END OF REPORT)