

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: P829772

Luminaire Tested: **OHBL-12SE-N-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-12SE-N-UNV-L835-CD
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

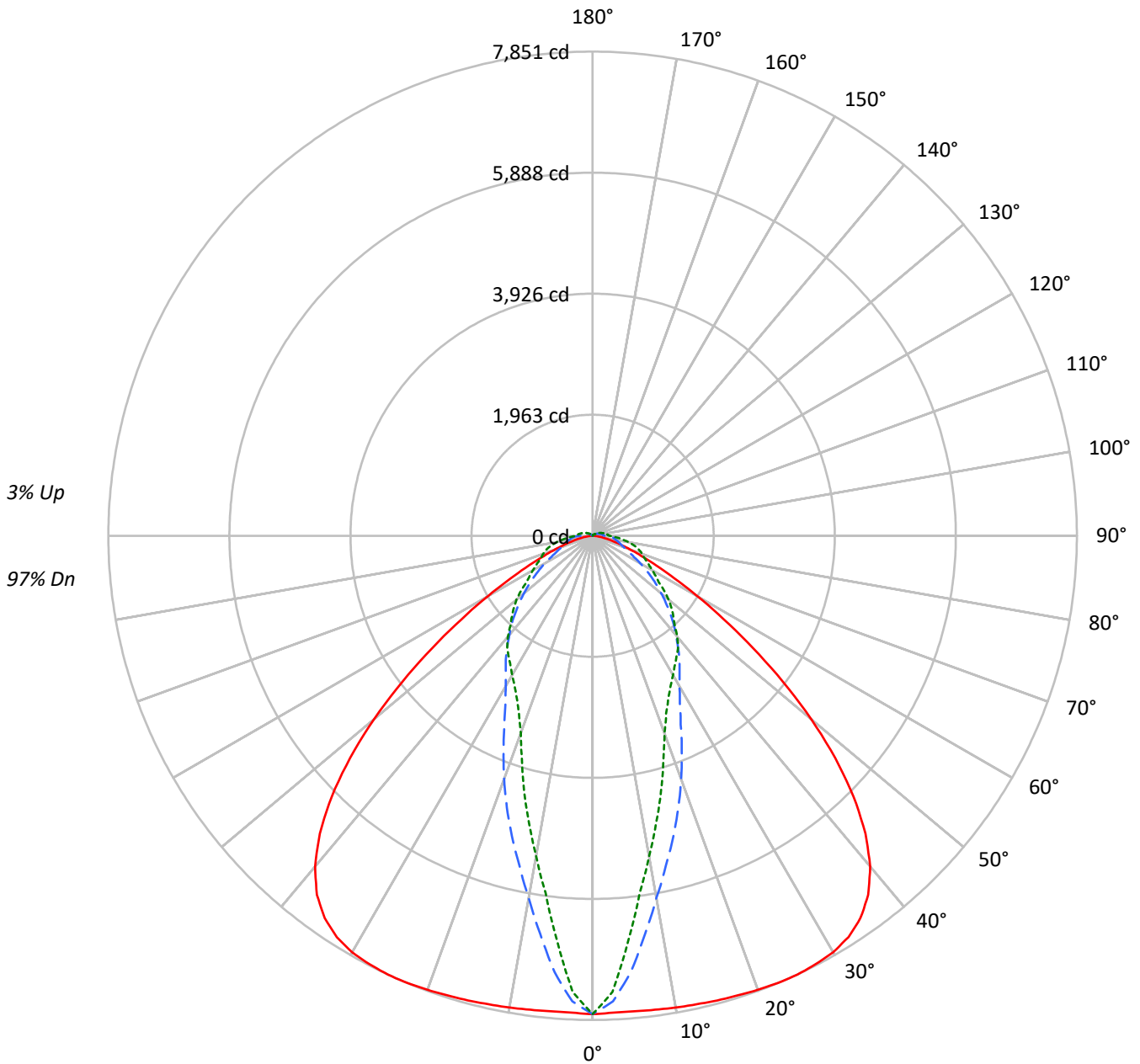
Lumens per Lamp: N/A
Luminaire Lumens: 11447.0 lumens
Efficiency: N/A
Efficacy: 163.5 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

TEST NUMBER: P829772

CATALOG NUMBER: OHBL-12SE-N-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P829772

CATALOG NUMBER: OHBL-12SE-N-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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	82																	
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	71																	
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	62																	
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	54																	
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	48																	
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	43																	
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	39																	
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	35																	
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	32																	
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	30																	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25233	25233	25233
5°	25181	22852	21198
10°	25465	19143	16867
15°	25963	16282	13736
20°	26692	13689	11022
25°	27615	11265	9578
30°	28570	9644	8821
35°	29164	8731	8326
40°	28665	7829	7819
45°	26371	7018	7158
50°	22249	6142	6631
55°	16906	5321	5813
60°	11847	4503	5464
65°	7969	3814	5229
70°	5443	3502	5323
75°	3777	3501	5455
80°	2600	3698	5272
85°	1521	4253	4951



TEST NUMBER: P829772

CATALOG NUMBER: OHBL-12SE-N-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	652.9	5.7
10°-20°	1535.9	13.4
20°-30°	1925.2	16.8
30°-40°	2042.9	17.8
40°-50°	1847.1	16.1
50°-60°	1339.2	11.7
60°-70°	840.4	7.3
70°-80°	556.2	4.9
80°-90°	320.4	2.8
90°-100°	155.2	1.4
100°-110°	107.1	0.9
110°-120°	66.1	0.6
120°-130°	32.0	0.3
130°-140°	14.7	0.1
140°-150°	8.1	0.1
150°-160°	3.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4114.0	35.9
0°-40°	6156.9	53.8
0°-60°	9343.2	81.6
0°-90°	11060.2	96.6
90°-120°	328.5	2.9
90°-150°	383.3	3.3
90°-180°	387.0	3.4
0°-180°	11447.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7756	7756	7756	7756	7756	
5°	7740	7542	7099	6770	6599	740
15°	7800	6357	5049	4490	4287	2212
25°	7851	4916	3381	3001	2905	3627
35°	7570	3268	2454	2377	2376	4706
45°	5984	2070	1778	1821	1852	4559
55°	3168	1283	1160	1259	1304	2863
65°	1133	744	672	861	957	1179
75°	350	401	451	700	743	390
85°	61	166	330	459	422	73
90°	0	69	191	269	272	4
95°	3	49	168	229	239	3
105°	6	32	122	162	167	6
115°	8	23	83	103	106	8
125°	9	12	42	53	52	8
135°	7	9	18	29	29	6
145°	9	10	11	17	16	5
155°	9	11	12	12	11	3
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P829772

CATALOG NUMBER: OHBL-12SE-N-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7756.0	7756.0	7756.0	7756.0	7756.0
2.5°	7739.7	7695.4	7557.4	7473.2	7402.4
5°	7740.5	7541.9	7099.0	6769.8	6599.2
7.5°	7751.5	7310.1	6512.1	6031.6	5844.1
10°	7768.5	7023.0	5964.4	5452.1	5277.2
12.5°	7781.1	6699.6	5482.4	4956.1	4764.1
15°	7799.5	6357.1	5049.1	4490.3	4286.6
17.5°	7816.5	6034.5	4620.9	4037.1	3810.4
20°	7833.5	5686.9	4192.8	3591.2	3404.4
22.5°	7849.7	5320.0	3775.0	3245.0	3117.3
25°	7851.2	4915.5	3380.8	3000.7	2905.4
27.5°	7832.0	4496.2	3061.2	2796.2	2737.1
30°	7798.8	4089.5	2813.2	2648.6	2606.5
32.5°	7716.1	3674.6	2621.2	2506.1	2481.7
35°	7569.9	3267.9	2453.7	2376.9	2376.2
37.5°	7339.6	2906.9	2272.1	2258.8	2275.0
40°	6999.3	2591.0	2100.1	2135.5	2135.5
42.5°	6545.4	2316.4	1944.3	1980.5	1970.9
45°	5984.3	2069.8	1778.3	1821.1	1852.1
47.5°	5334.0	1852.8	1608.5	1691.1	1734.0
50°	4626.9	1646.1	1453.5	1559.0	1607.7
52.5°	3885.7	1454.9	1302.1	1423.2	1462.3
55°	3168.2	1282.9	1160.4	1258.6	1303.6
57.5°	2518.6	1119.1	1021.6	1114.6	1207.6
60°	1959.8	978.1	891.0	1023.8	1116.9
62.5°	1497.0	852.6	768.4	939.0	1032.0
65°	1133.1	744.1	671.7	860.7	956.7
67.5°	854.1	650.3	596.4	803.9	897.6
70°	641.5	559.5	535.9	768.4	852.6
72.5°	473.9	476.1	487.9	737.4	801.7
75°	349.9	400.8	451.0	700.5	742.6
77.5°	250.2	332.2	417.8	656.2	671.0
80°	173.5	270.9	383.1	597.9	585.4
82.5°	108.5	217.0	352.1	533.7	499.0
85°	61.3	166.1	330.0	459.1	421.5
87.5°	27.3	124.0	288.6	358.0	334.4
90°	0.0	69.4	191.2	269.4	271.6
92.5°	1.5	57.6	176.4	246.5	253.9
95°	3.0	48.7	168.3	228.8	239.2
97.5°	3.7	42.8	158.0	212.6	221.5
100°	4.4	38.4	145.4	195.6	203.0
102.5°	5.2	35.4	133.6	177.9	183.8
105°	5.9	32.5	122.5	162.4	166.8



TEST NUMBER: P829772

CATALOG NUMBER: OHBL-12SE-N-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	7.4	25.1	92.3	116.6	120.3
115°	8.1	22.9	82.7	103.3	105.6
117.5°	8.9	19.9	72.3	90.8	91.5
120°	8.9	17.7	62.0	77.5	77.5
122.5°	8.9	14.8	51.7	64.2	63.5
125°	8.9	11.8	42.1	53.1	52.4
127.5°	8.1	9.6	34.0	44.3	43.6
130°	8.1	9.6	27.3	37.6	37.6
132.5°	7.4	8.9	22.1	32.5	32.5
135°	7.4	8.9	18.5	28.8	28.8
137.5°	7.4	9.6	15.5	25.1	25.1
140°	7.4	8.9	13.3	22.1	22.1
142.5°	8.1	8.9	11.8	19.2	19.2
145°	8.9	9.6	11.1	17.0	16.2
147.5°	8.9	10.3	11.1	14.8	14.0
150°	8.9	11.1	11.1	13.3	12.5
152.5°	8.9	11.1	11.1	12.5	11.8
155°	8.9	11.1	11.8	12.5	11.1
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°	5.9	30.3	112.2	145.4	150.6
110°	6.6	27.3	102.6	129.9	135.1



(END OF REPORT)