

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: P829388

Luminaire Tested: **OHB-30SE-MCL-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829388
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: OHB-30SE-MCL-UNV-L835-CD
Description: 30000 LUMEN OHB SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

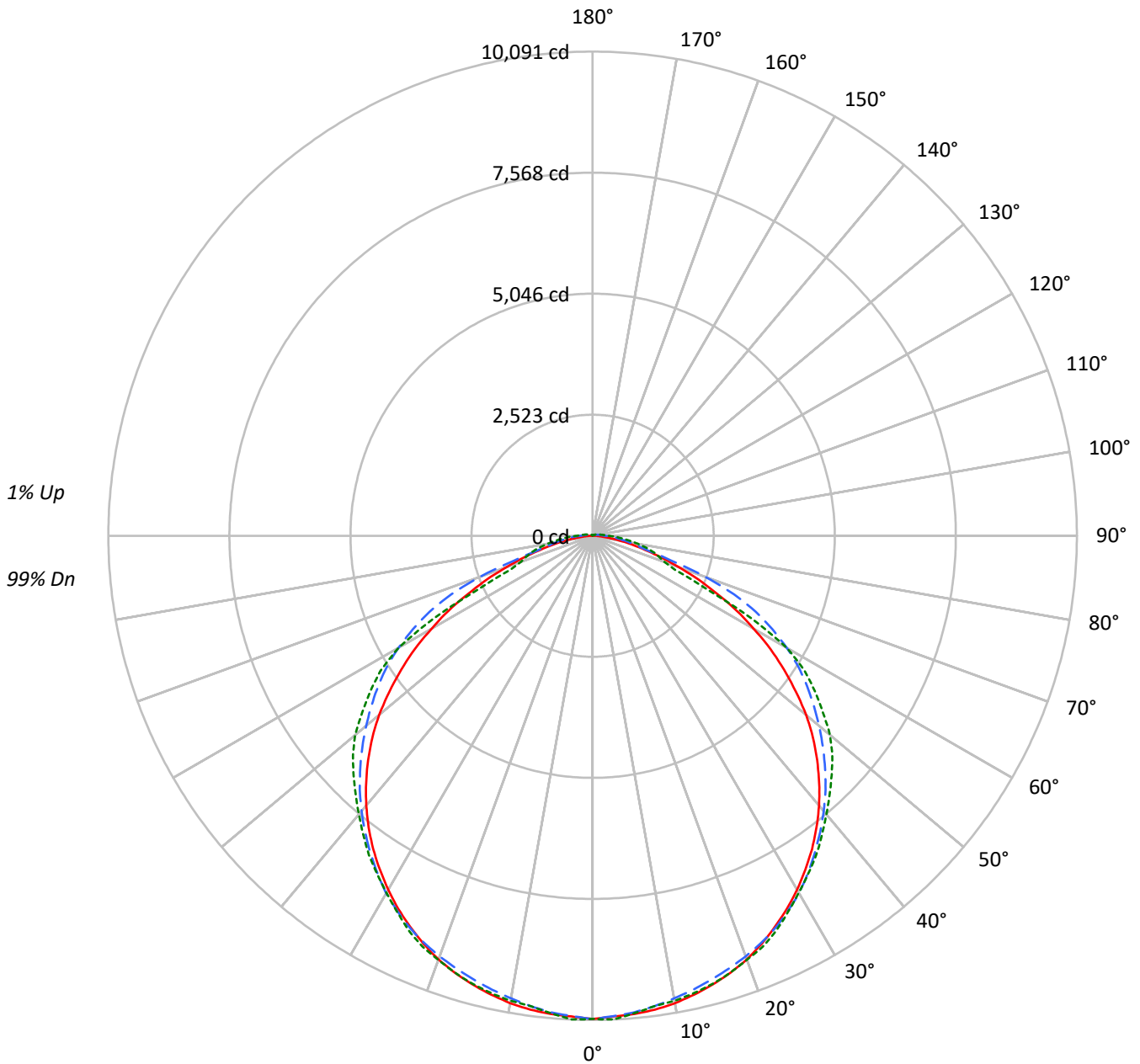
Lumens per Lamp: N/A
Luminaire Lumens: 28463.0 lumens
Efficiency: N/A
Efficacy: 157.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 181
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: P829388

CATALOG NUMBER: OHB-30SE-MCL-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P829388

CATALOG NUMBER: OHB-30SE-MCL-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°	33640	33640	33640
5°	33297	33051	33199
10°	33054	32452	32810
15°	32721	31981	32569
20°	32386	31647	32259
25°	31865	31309	31951
30°	31304	30833	31323
35°	30654	30135	30965
40°	29843	29412	30485
45°	28770	28586	30254
50°	27365	27654	29979
55°	25241	26717	28820
60°	22523	25403	26600
65°	19057	23119	16821
70°	15062	17816	12160
75°	10976	10383	12289
80°	7280	8386	11654
85°	3739	7284	10780



TEST NUMBER: P829388

CATALOG NUMBER: OHB-30SE-MCL-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	949.5	3.3
10°-20°	2722.8	9.6
20°-30°	4158.6	14.6
30°-40°	5045.8	17.7
40°-50°	5288.5	18.6
50°-60°	4792.1	16.8
60°-70°	3212.9	11.3
70°-80°	1442.7	5.1
80°-90°	523.5	1.8
90°-100°	157.6	0.6
100°-110°	74.4	0.3
110°-120°	37.3	0.1
120°-130°	20.5	0.1
130°-140°	14.1	0.0
140°-150°	9.5	0.0
150°-160°	7.1	0.0
160°-170°	4.5	0.0
170°-180°	1.4	0.0
0°-30°	7830.9	27.5
0°-40°	12876.7	45.2
0°-60°	22957.3	80.7
0°-90°	28136.5	98.9
90°-120°	269.2	0.9
90°-150°	313.4	1.1
90°-180°	326.0	1.1
0°-180°	28463.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10070	10070	10070	10070	10070	
5°	10005	10040	9970	10000	9987	952
15°	9680	9642	9574	9658	9670	2733
25°	8993	8953	9016	9099	9073	4145
35°	7971	7990	8071	8157	8125	4982
45°	6615	6723	6848	7023	7044	5096
55°	4868	5102	5450	5668	5655	4345
65°	2857	3304	3751	3166	2584	2846
75°	1124	1631	1200	1228	1308	1228
85°	194	371	476	575	603	236
90°	2	124	246	309	323	12
95°	2	77	169	205	211	2
105°	6	34	83	100	105	7
115°	12	18	42	54	57	11
125°	10	12	26	31	32	10
135°	13	15	16	23	25	10
145°	13	15	15	16	18	9
155°	15	16	16	16	15	7
165°	16	16	16	16	16	4
175°	16	16	15	13	13	2
180°	15	15	15	15	15	



TEST NUMBER: P829388

CATALOG NUMBER: OHB-30SE-MCL-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10070.2	10070.2	10070.2	10070.2	10070.2
2.5°	10029.5	10071.7	10019.3	10076.1	10090.6
5°	10004.7	10039.7	9969.8	10000.3	9987.2
7.5°	9959.6	9971.2	9888.2	9913.0	9886.8
10°	9892.6	9886.8	9789.2	9837.3	9843.1
12.5°	9793.6	9776.1	9688.7	9761.5	9763.0
15°	9680.0	9642.1	9573.7	9658.2	9669.8
17.5°	9549.0	9499.5	9454.3	9563.5	9546.0
20°	9396.1	9337.8	9329.1	9448.5	9404.8
22.5°	9206.8	9161.6	9182.0	9295.6	9267.9
25°	8992.7	8953.4	9016.0	9099.0	9072.8
27.5°	8767.0	8743.7	8815.1	8879.2	8828.2
30°	8519.5	8506.4	8601.1	8653.5	8589.4
32.5°	8250.1	8254.5	8344.8	8416.1	8356.4
35°	7970.6	7989.5	8071.0	8156.9	8124.9
37.5°	7663.3	7705.6	7787.1	7884.7	7851.2
40°	7338.6	7399.8	7490.1	7608.0	7577.4
42.5°	6987.7	7064.9	7181.4	7312.4	7309.5
45°	6615.0	6722.7	6847.9	7022.7	7044.5
47.5°	6227.6	6348.5	6507.2	6740.2	6773.7
50°	5806.8	5958.3	6156.3	6435.9	6456.2
52.5°	5338.0	5544.7	5806.8	6074.8	6050.0
55°	4867.7	5102.1	5450.1	5668.5	5655.4
57.5°	4398.8	4662.4	5084.6	5240.4	5239.0
60°	3874.6	4208.1	4669.6	4787.6	4671.1
62.5°	3389.7	3747.9	4227.0	4141.1	3742.1
65°	2856.8	3303.8	3750.9	3165.5	2584.5
67.5°	2383.6	2849.5	3185.9	2168.1	1856.5
70°	1907.5	2421.5	2484.1	1609.0	1587.1
72.5°	1485.2	2032.7	1713.8	1377.4	1447.3
75°	1124.1	1630.8	1199.8	1227.5	1307.6
77.5°	819.8	1252.2	933.3	1076.0	1141.6
80°	563.5	886.8	761.5	904.2	949.4
82.5°	353.8	585.3	610.1	728.0	774.6
85°	193.7	371.3	476.1	575.2	602.8
87.5°	80.1	224.2	364.0	444.1	467.4
90°	1.5	123.8	246.1	308.7	323.2
92.5°	1.5	94.6	200.9	249.0	259.2
95°	1.5	77.2	168.9	205.3	211.1
97.5°	2.9	61.2	141.2	170.4	176.2
100°	4.4	51.0	117.9	142.7	147.1
102.5°	5.8	40.8	99.0	119.4	123.8
105°	5.8	33.5	83.0	100.5	104.8



TEST NUMBER: P829388

CATALOG NUMBER: OHB-30SE-MCL-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.2	20.4	49.5	62.6	65.5
115°	11.6	17.5	42.2	53.9	56.8
117.5°	11.6	14.6	36.4	45.1	48.1
120°	11.6	13.1	32.0	39.3	40.8
122.5°	11.6	11.6	27.7	34.9	36.4
125°	10.2	11.6	26.2	30.6	32.0
127.5°	11.6	11.6	23.3	27.7	29.1
130°	11.6	13.1	20.4	26.2	26.2
132.5°	13.1	14.6	18.9	24.8	24.8
135°	13.1	14.6	16.0	23.3	24.8
137.5°	14.6	14.6	14.6	21.8	23.3
140°	14.6	14.6	13.1	18.9	20.4
142.5°	13.1	14.6	13.1	17.5	18.9
145°	13.1	14.6	14.6	16.0	17.5
147.5°	14.6	14.6	14.6	14.6	16.0
150°	14.6	14.6	14.6	14.6	14.6
152.5°	14.6	14.6	14.6	14.6	14.6
155°	14.6	16.0	16.0	16.0	14.6
157.5°	14.6	16.0	16.0	16.0	16.0
160°	14.6	16.0	16.0	16.0	16.0
162.5°	16.0	16.0	16.0	16.0	16.0
165°	16.0	16.0	16.0	16.0	16.0
167.5°	16.0	17.5	16.0	16.0	16.0
170°	16.0	16.0	16.0	14.6	14.6
172.5°	16.0	16.0	16.0	14.6	14.6
175°	16.0	16.0	14.6	13.1	13.1
177.5°	17.5	16.0	14.6	13.1	11.6
180°	14.6	14.6	14.6	14.6	14.6



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	7.3	27.7	71.3	85.9	88.8
110°	8.7	23.3	59.7	72.8	75.7



(END OF REPORT)