

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: P830240

Luminaire Tested: **OHBL-30SE-A-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830240
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-30SE-A-UNV-L835-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

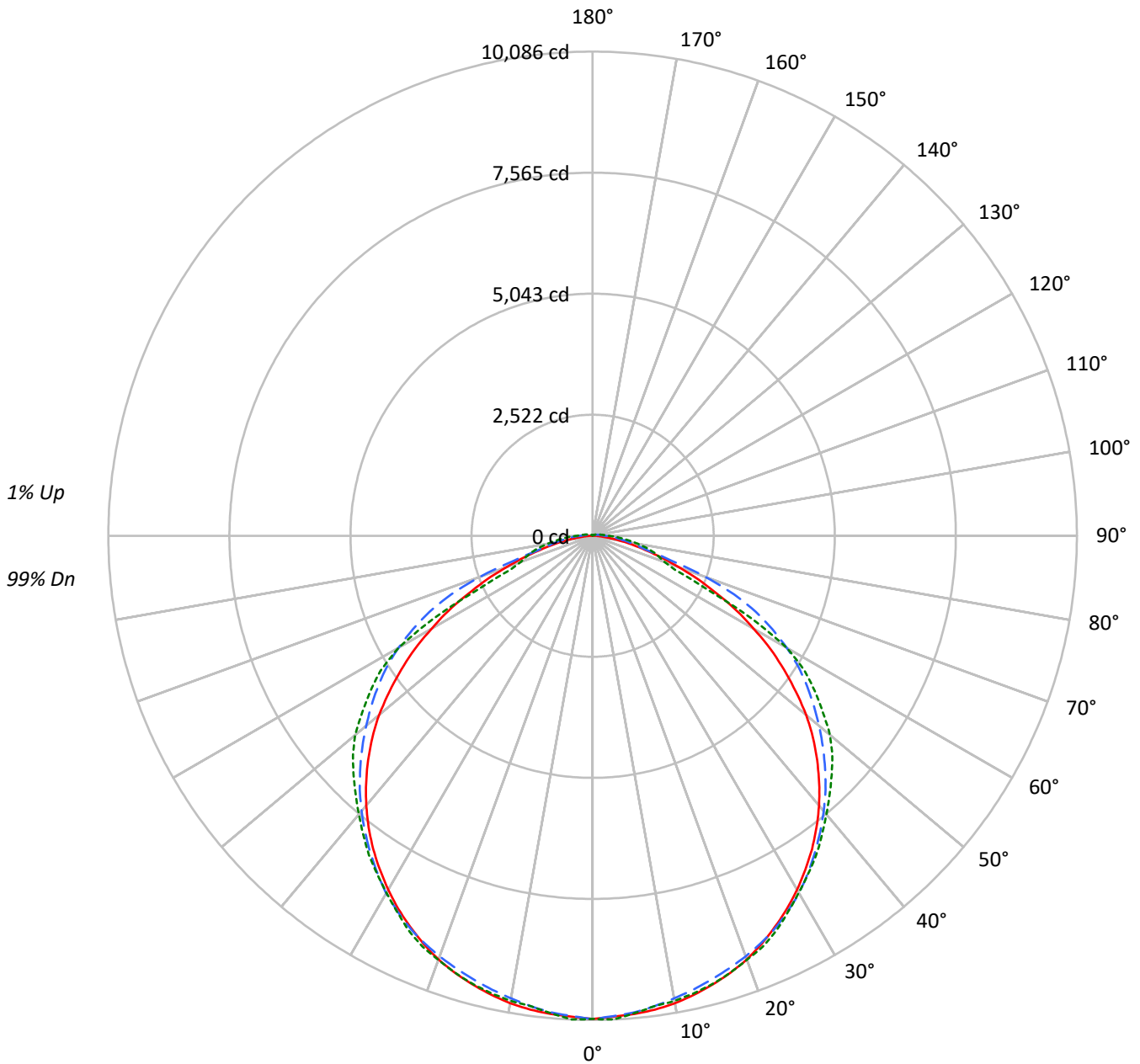
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28450.0 lumens
Efficiency: N/A
Efficacy: 163.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 174
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: P830240
CATALOG NUMBER: OHBL-30SE-A-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P830240

CATALOG NUMBER: OHBL-30SE-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°	17192	17192	17192
5°	17079	16935	16967
10°	17017	16670	16768
15°	16909	16471	16645
20°	16801	16343	16486
25°	16598	16213	16329
30°	16378	16013	16008
35°	16114	15701	15825
40°	15772	15377	15580
45°	15296	15004	15462
50°	14653	14580	15321
55°	13630	14161	14729
60°	12291	13552	13594
65°	10544	12435	8597
70°	8493	9687	6214
75°	6367	5734	6281
80°	4432	4745	5955
85°	2523	4308	5509



TEST NUMBER: P830240

CATALOG NUMBER: OHBL-30SE-A-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	949.1	3.3
10°-20°	2721.6	9.6
20°-30°	4156.7	14.6
30°-40°	5043.5	17.7
40°-50°	5286.0	18.6
50°-60°	4789.9	16.8
60°-70°	3211.5	11.3
70°-80°	1442.1	5.1
80°-90°	523.3	1.8
90°-100°	157.5	0.6
100°-110°	74.3	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°	7827.3	27.5
0°-40°	12870.8	45.2
0°-60°	22946.8	80.7
0°-90°	28123.7	98.9
90°-120°	269.1	0.9
90°-150°	313.3	1.1
90°-180°	326.0	1.1
0°-180°	28450.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10066	10066	10066	10066	10066	
5°	10000	10035	9965	9996	9983	951
15°	9676	9638	9569	9654	9665	2732
25°	8989	8949	9012	9095	9069	4143
35°	7967	7986	8067	8153	8121	4980
45°	6612	6720	6845	7020	7041	5093
55°	4865	5100	5448	5666	5653	4343
65°	2856	3302	3749	3164	2583	2845
75°	1124	1630	1199	1227	1307	1228
85°	194	371	476	575	602	236
90°	2	124	246	308	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: P830240

CATALOG NUMBER: OHBL-30SE-A-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10065.6	10065.6	10065.6	10065.6	10065.6
2.5°	10024.9	10067.1	10014.7	10071.5	10086.0
5°	10000.1	10035.1	9965.2	9995.8	9982.7
7.5°	9955.0	9966.7	9883.7	9908.4	9882.3
10°	9888.1	9882.3	9784.7	9832.8	9838.6
12.5°	9789.1	9771.6	9684.3	9757.1	9758.5
15°	9675.6	9637.7	9569.3	9653.8	9665.4
17.5°	9544.6	9495.1	9450.0	9559.2	9541.7
20°	9391.8	9333.6	9324.8	9444.2	9400.5
22.5°	9202.6	9157.5	9177.8	9291.4	9263.7
25°	8988.6	8949.3	9011.9	9094.9	9068.7
27.5°	8763.0	8739.8	8811.1	8875.1	8824.2
30°	8515.6	8502.5	8597.1	8649.5	8585.5
32.5°	8246.4	8250.7	8341.0	8412.3	8352.6
35°	7966.9	7985.8	8067.4	8153.2	8121.2
37.5°	7659.8	7702.0	7783.5	7881.1	7847.6
40°	7335.3	7396.4	7486.6	7604.5	7574.0
42.5°	6984.5	7061.7	7178.1	7309.1	7306.2
45°	6611.9	6719.6	6844.8	7019.5	7041.3
47.5°	6224.8	6345.6	6504.2	6737.1	6770.6
50°	5804.2	5955.5	6153.5	6432.9	6453.3
52.5°	5335.5	5542.2	5804.2	6072.0	6047.2
55°	4865.4	5099.8	5447.6	5665.9	5652.8
57.5°	4396.8	4660.2	5082.3	5238.0	5236.6
60°	3872.9	4206.1	4667.5	4785.4	4669.0
62.5°	3388.2	3746.2	4225.1	4139.2	3740.4
65°	2855.5	3302.3	3749.1	3164.1	2583.4
67.5°	2382.5	2848.2	3184.4	2167.1	1855.7
70°	1906.6	2420.4	2482.9	1608.2	1586.4
72.5°	1484.5	2031.8	1713.0	1376.8	1446.7
75°	1123.6	1630.1	1199.3	1226.9	1307.0
77.5°	819.4	1251.7	932.9	1075.5	1141.0
80°	563.2	886.3	761.2	903.8	948.9
82.5°	353.7	585.1	609.8	727.7	774.3
85°	193.6	371.1	475.9	574.9	602.5
87.5°	80.0	224.1	363.9	443.9	467.2
90°	1.5	123.7	246.0	308.5	323.1
92.5°	1.5	94.6	200.8	248.9	259.1
95°	1.5	77.1	168.8	205.2	211.0
97.5°	2.9	61.1	141.2	170.3	176.1
100°	4.4	50.9	117.9	142.6	147.0
102.5°	5.8	40.8	99.0	119.3	123.7
105°	5.8	33.5	83.0	100.4	104.8



TEST NUMBER: P830240

CATALOG NUMBER: OHBL-30SE-A-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	48.0
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	24.7	24.7
135°	13.1	14.6	16.0	23.3	24.7
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)