

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: P830239

Luminaire Tested: **OHBL-30SE-A-UNV-L830-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830239
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-L830-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

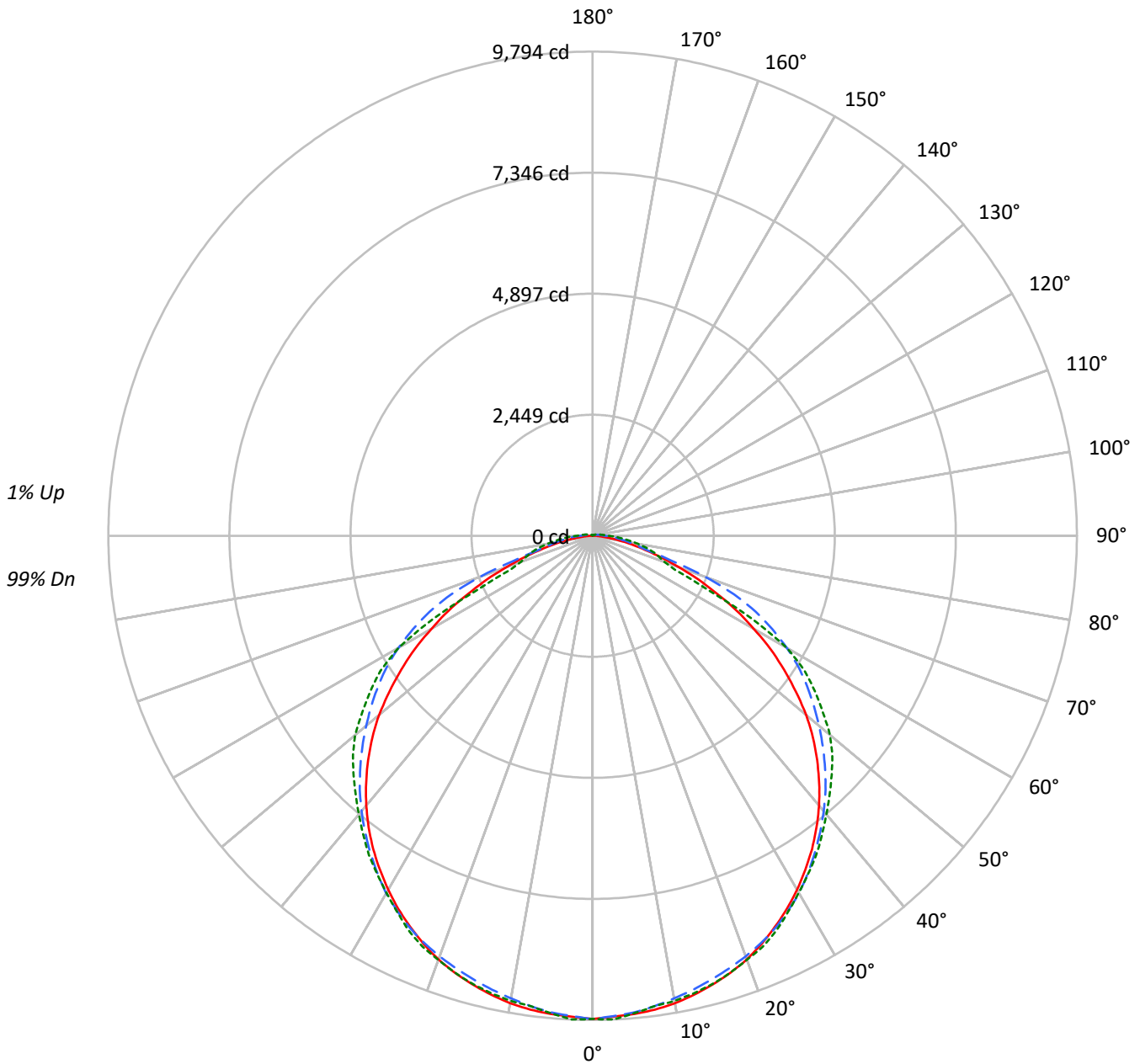
Lumens per Lamp: N/A
Luminaire Lumens: 27626.0 lumens
Efficiency: N/A
Efficacy: 158.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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: P830239

CATALOG NUMBER: OHBL-30SE-A-UNV-L830-CD

Luminous Intensity Polar Plot





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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°	16694	16694	16694
5°	16585	16444	16475
10°	16524	16188	16282
15°	16419	15994	16163
20°	16314	15869	16009
25°	16118	15744	15856
30°	15903	15549	15544
35°	15647	15246	15367
40°	15315	14932	15128
45°	14853	14570	15014
50°	14228	14158	14877
55°	13235	13751	14302
60°	11935	13160	13200
65°	10238	12075	8347
70°	8247	9407	6035
75°	6182	5567	6099
80°	4303	4607	5783
85°	2450	4183	5350



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CATALOG NUMBER: OHBL-30SE-A-UNV-L830-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	921.6	3.3
10°-20°	2642.7	9.6
20°-30°	4036.3	14.6
30°-40°	4897.4	17.7
40°-50°	5132.9	18.6
50°-60°	4651.2	16.8
60°-70°	3118.5	11.3
70°-80°	1400.3	5.1
80°-90°	508.1	1.8
90°-100°	153.0	0.6
100°-110°	72.2	0.3
110°-120°	36.2	0.1
120°-130°	20.0	0.1
130°-140°	13.7	0.0
140°-150°	9.2	0.0
150°-160°	6.8	0.0
160°-170°	4.4	0.0
170°-180°	1.4	0.0
0°-30°	7600.6	27.5
0°-40°	12498.0	45.2
0°-60°	22282.2	80.7
0°-90°	27309.1	98.9
90°-120°	261.3	0.9
90°-150°	304.2	1.1
90°-180°	317.0	1.1
0°-180°	27626.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9774	9774	9774	9774	9774	
5°	9710	9744	9677	9706	9694	924
15°	9395	9359	9292	9374	9386	2653
25°	8728	8690	8751	8832	8806	4023
35°	7736	7755	7834	7917	7886	4835
45°	6420	6525	6647	6816	6837	4946
55°	4724	4952	5290	5502	5489	4217
65°	2773	3207	3641	3072	2508	2763
75°	1091	1583	1164	1191	1269	1192
85°	188	360	462	558	585	229
90°	1	120	239	300	314	11
95°	1	75	164	199	205	2
105°	6	32	81	98	102	7
115°	11	17	41	52	55	11
125°	10	11	25	30	31	10
135°	13	14	16	23	24	10
145°	13	14	14	16	17	8
155°	14	16	16	16	14	7
165°	16	16	16	16	16	4
175°	16	16	14	13	13	1
180°	14	14	14	14	14	



TEST NUMBER: P830239

CATALOG NUMBER: OHBL-30SE-A-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9774.1	9774.1	9774.1	9774.1	9774.1
2.5°	9734.5	9775.5	9724.6	9779.8	9793.9
5°	9710.5	9744.4	9676.6	9706.3	9693.5
7.5°	9666.7	9678.0	9597.4	9621.5	9596.0
10°	9601.7	9596.0	9501.3	9548.0	9553.6
12.5°	9505.6	9488.6	9403.8	9474.5	9475.9
15°	9395.3	9358.6	9292.2	9374.1	9385.5
17.5°	9268.2	9220.1	9176.3	9282.3	9265.3
20°	9119.8	9063.2	9054.8	9170.6	9128.2
22.5°	8936.0	8892.2	8912.0	9022.2	8995.4
25°	8728.3	8690.1	8750.9	8831.5	8806.0
27.5°	8509.2	8486.6	8555.9	8618.1	8568.6
30°	8269.0	8256.3	8348.1	8399.0	8336.8
32.5°	8007.5	8011.8	8099.4	8168.6	8110.7
35°	7736.2	7754.6	7833.7	7917.1	7886.0
37.5°	7438.0	7479.0	7558.1	7652.8	7620.3
40°	7122.8	7182.2	7269.8	7384.3	7354.6
42.5°	6782.2	6857.1	6970.2	7097.4	7094.6
45°	6420.4	6525.0	6646.6	6816.2	6837.3
47.5°	6044.5	6161.8	6315.9	6542.0	6574.5
50°	5636.1	5783.1	5975.3	6246.6	6266.4
52.5°	5181.0	5381.7	5636.1	5896.1	5872.1
55°	4724.5	4952.1	5289.8	5501.8	5489.1
57.5°	4269.5	4525.3	4935.1	5086.3	5084.9
60°	3760.7	4084.3	4532.3	4646.8	4533.7
62.5°	3290.1	3637.7	4102.7	4019.3	3632.1
65°	2772.8	3206.7	3640.6	3072.4	2508.5
67.5°	2313.5	2765.7	3092.2	2104.3	1801.9
70°	1851.4	2350.3	2411.0	1561.7	1540.5
72.5°	1441.5	1972.9	1663.4	1336.9	1404.8
75°	1091.0	1582.9	1164.5	1191.4	1269.1
77.5°	795.7	1215.4	905.9	1044.4	1108.0
80°	546.9	860.7	739.1	877.6	921.4
82.5°	343.4	568.1	592.2	706.6	751.9
85°	188.0	360.4	462.1	558.2	585.1
87.5°	77.7	217.6	353.3	431.0	453.7
90°	1.4	120.1	238.8	299.6	313.7
92.5°	1.4	91.9	195.0	241.7	251.6
95°	1.4	74.9	163.9	199.3	204.9
97.5°	2.8	59.4	137.1	165.4	171.0
100°	4.2	49.5	114.5	138.5	142.7
102.5°	5.7	39.6	96.1	115.9	120.1
105°	5.7	32.5	80.6	97.5	101.8



TEST NUMBER: P830239

CATALOG NUMBER: OHBL-30SE-A-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	9.9	19.8	48.1	60.8	63.6
115°	11.3	17.0	41.0	52.3	55.1
117.5°	11.3	14.1	35.3	43.8	46.6
120°	11.3	12.7	31.1	38.2	39.6
122.5°	11.3	11.3	26.9	33.9	35.3
125°	9.9	11.3	25.4	29.7	31.1
127.5°	11.3	11.3	22.6	26.9	28.3
130°	11.3	12.7	19.8	25.4	25.4
132.5°	12.7	14.1	18.4	24.0	24.0
135°	12.7	14.1	15.5	22.6	24.0
137.5°	14.1	14.1	14.1	21.2	22.6
140°	14.1	14.1	12.7	18.4	19.8
142.5°	12.7	14.1	12.7	17.0	18.4
145°	12.7	14.1	14.1	15.5	17.0
147.5°	14.1	14.1	14.1	14.1	15.5
150°	14.1	14.1	14.1	14.1	14.1
152.5°	14.1	14.1	14.1	14.1	14.1
155°	14.1	15.5	15.5	15.5	14.1
157.5°	14.1	15.5	15.5	15.5	15.5
160°	14.1	15.5	15.5	15.5	15.5
162.5°	15.5	15.5	15.5	15.5	15.5
165°	15.5	15.5	15.5	15.5	15.5
167.5°	15.5	17.0	15.5	15.5	15.5
170°	15.5	15.5	15.5	14.1	14.1
172.5°	15.5	15.5	15.5	14.1	14.1
175°	15.5	15.5	14.1	12.7	12.7
177.5°	17.0	15.5	14.1	12.7	11.3
180°	14.1	14.1	14.1	14.1	14.1



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	7.1	26.9	69.2	83.4	86.2
110°	8.5	22.6	57.9	70.7	73.5



(END OF REPORT)