

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: P830296

Luminaire Tested: **OHBL-30SE-W-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30SE-W-UNV-L735-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

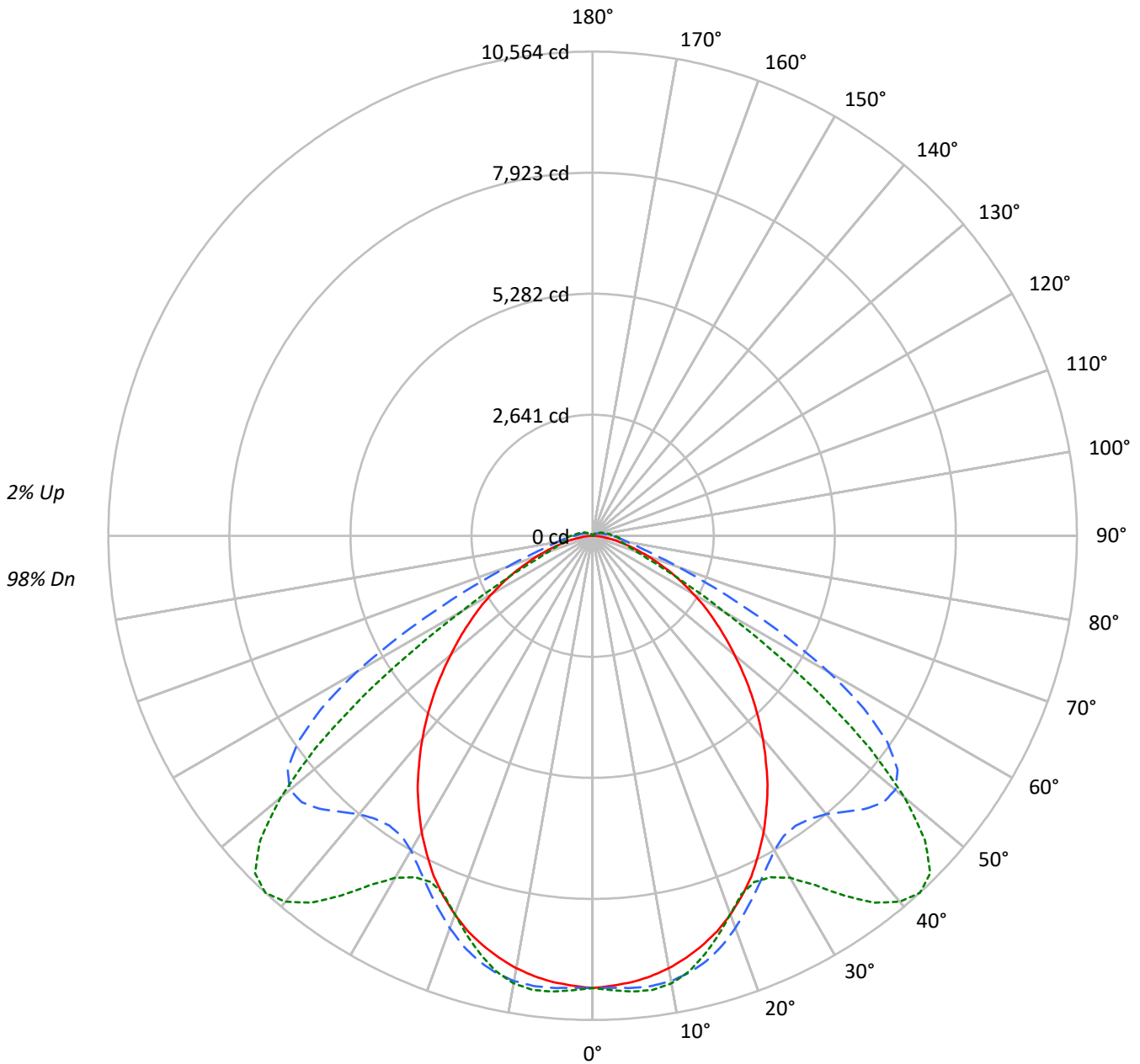
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29547.0 lumens
Efficiency: N/A
Efficacy: 169.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
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: P830296
CATALOG NUMBER: OHBL-30SE-W-UNV-L735-CD

Luminous Intensity Polar Plot





TEST NUMBER: P830296

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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	105	105	105	100	100	100					98															
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85					83															
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72					70															
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61					59															
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52					50															
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45					43															
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40					38															
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35					33															
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31					29															
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28					26															
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25					24															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16855	16855	16855
5°	16698	16831	16964
10°	16488	16805	16902
15°	16166	16527	16279
20°	15726	15959	15402
25°	15136	15271	15012
30°	14352	14760	16061
35°	13457	15033	18677
40°	12419	16281	21442
45°	11333	18468	22866
50°	10201	20421	21083
55°	9137	20395	15932
60°	8054	17253	9608
65°	6910	11913	5717
70°	5614	7700	4028
75°	4271	5517	3601
80°	3066	4844	3821
85°	2081	5320	5314



TEST NUMBER: P830296

CATALOG NUMBER: OHBL-30SE-W-UNV-L735-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	943.0	3.2
10°-20°	2670.3	9.0
20°-30°	3907.6	13.2
30°-40°	5074.8	17.2
40°-50°	6197.0	21.0
50°-60°	5457.4	18.5
60°-70°	2843.9	9.6
70°-80°	1219.6	4.1
80°-90°	585.7	2.0
90°-100°	275.2	0.9
100°-110°	171.0	0.6
110°-120°	101.1	0.3
120°-130°	55.0	0.2
130°-140°	27.6	0.1
140°-150°	13.3	0.0
150°-160°	4.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7520.9	25.5
0°-40°	12595.7	42.6
0°-60°	24250.1	82.1
0°-90°	28899.2	97.8
90°-120°	547.3	1.9
90°-150°	643.1	2.2
90°-180°	648.0	2.2
0°-180°	29547.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9868	9868	9868	9868	9868	
5°	9777	9851	9904	9992	9981	927
15°	9251	9510	9602	9530	9453	2605
25°	8197	8635	8488	8329	8337	3762
35°	6653	7356	7724	9008	9585	4147
45°	4899	6164	8425	10200	10413	3777
55°	3262	5399	7846	6879	6115	2927
65°	1871	3741	3592	1997	1718	1852
75°	754	1750	1154	790	749	822
85°	160	624	588	575	581	178
90°	2	226	388	443	454	11
95°	4	132	309	362	373	3
105°	8	74	200	241	245	9
115°	13	43	124	151	155	13
125°	15	21	72	94	96	13
135°	13	13	34	58	60	10
145°	17	13	15	28	32	10
155°	17	17	13	13	13	5
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830296

CATALOG NUMBER: OHBL-30SE-W-UNV-L735-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9868.2	9868.2	9868.2	9868.2	9868.2
2.5°	9825.6	9868.2	9870.3	9929.9	9923.5
5°	9776.6	9851.1	9904.4	9991.6	9981.0
7.5°	9695.7	9812.8	9906.5	10002.3	9993.8
10°	9580.7	9740.4	9863.9	9942.7	9917.1
12.5°	9431.7	9642.5	9763.8	9780.9	9731.9
15°	9250.7	9510.5	9602.0	9529.6	9453.0
17.5°	9046.3	9350.8	9382.7	9225.2	9129.4
20°	8790.9	9137.9	9106.0	8888.8	8782.3
22.5°	8507.7	8903.7	8801.5	8573.7	8471.5
25°	8196.9	8635.4	8488.5	8328.9	8337.4
27.5°	7832.8	8331.0	8188.3	8260.7	8397.0
30°	7462.3	8011.6	7924.3	8345.9	8614.1
32.5°	7055.7	7683.8	7762.5	8595.0	9033.6
35°	6653.3	7355.9	7724.2	9008.0	9585.0
37.5°	6208.3	7023.7	7785.9	9484.9	10089.6
40°	5776.1	6700.1	7926.5	9912.9	10423.8
42.5°	5335.4	6410.6	8162.8	10166.2	10564.4
45°	4898.9	6163.6	8424.7	10200.3	10413.2
47.5°	4462.5	5955.0	8605.6	9929.9	9832.0
50°	4040.9	5769.7	8618.4	9280.5	8880.3
52.5°	3647.1	5599.4	8384.2	8245.8	7624.1
55°	3261.7	5399.3	7845.6	6879.0	6114.6
57.5°	2910.4	5122.5	7015.2	5409.9	4575.3
60°	2537.8	4747.8	5942.2	3957.9	3300.0
62.5°	2195.1	4281.5	4739.3	2755.0	2371.8
65°	1871.4	3740.7	3591.7	1997.1	1718.1
67.5°	1528.7	3180.8	2650.7	1456.3	1277.4
70°	1260.4	2661.3	1973.6	1132.7	1028.3
72.5°	985.8	2167.4	1475.4	919.8	862.3
75°	753.7	1750.1	1153.9	789.9	749.4
77.5°	555.7	1383.9	928.3	698.3	660.0
80°	389.6	1090.1	777.1	623.8	608.9
82.5°	261.9	843.1	662.1	594.0	596.1
85°	159.7	623.8	587.6	574.8	581.2
87.5°	76.6	442.8	504.6	523.7	530.1
90°	2.1	225.7	387.5	442.8	453.5
92.5°	0.0	172.5	340.6	396.0	406.6
95°	4.3	132.0	308.7	361.9	372.6
97.5°	4.3	108.6	276.8	332.1	338.5
100°	6.4	93.7	247.0	300.2	306.6
102.5°	6.4	83.0	221.4	268.3	272.5
105°	8.5	74.5	200.1	240.6	244.8



TEST NUMBER: P830296

CATALOG NUMBER: OHBL-30SE-W-UNV-L735-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.8	51.1	140.5	170.3	174.6
115°	12.8	42.6	123.5	151.2	155.4
117.5°	14.9	38.3	108.6	134.1	136.3
120°	14.9	31.9	93.7	119.2	121.4
122.5°	14.9	25.5	83.0	106.5	108.6
125°	14.9	21.3	72.4	93.7	95.8
127.5°	12.8	14.9	61.7	83.0	85.2
130°	12.8	12.8	51.1	72.4	76.6
132.5°	12.8	12.8	42.6	63.9	68.1
135°	12.8	12.8	34.1	57.5	59.6
137.5°	12.8	12.8	27.7	49.0	53.2
140°	12.8	12.8	21.3	42.6	44.7
142.5°	14.9	12.8	19.2	36.2	38.3
145°	17.0	12.8	14.9	27.7	31.9
147.5°	17.0	14.9	14.9	23.4	25.5
150°	17.0	17.0	12.8	17.0	21.3
152.5°	17.0	17.0	12.8	12.8	17.0
155°	17.0	17.0	12.8	12.8	12.8
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°	10.6	66.0	178.8	215.0	219.3
110°	10.6	57.5	157.5	191.6	195.9



(END OF REPORT)