

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: P830275

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830275
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-30SE-N-UNV-L830-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

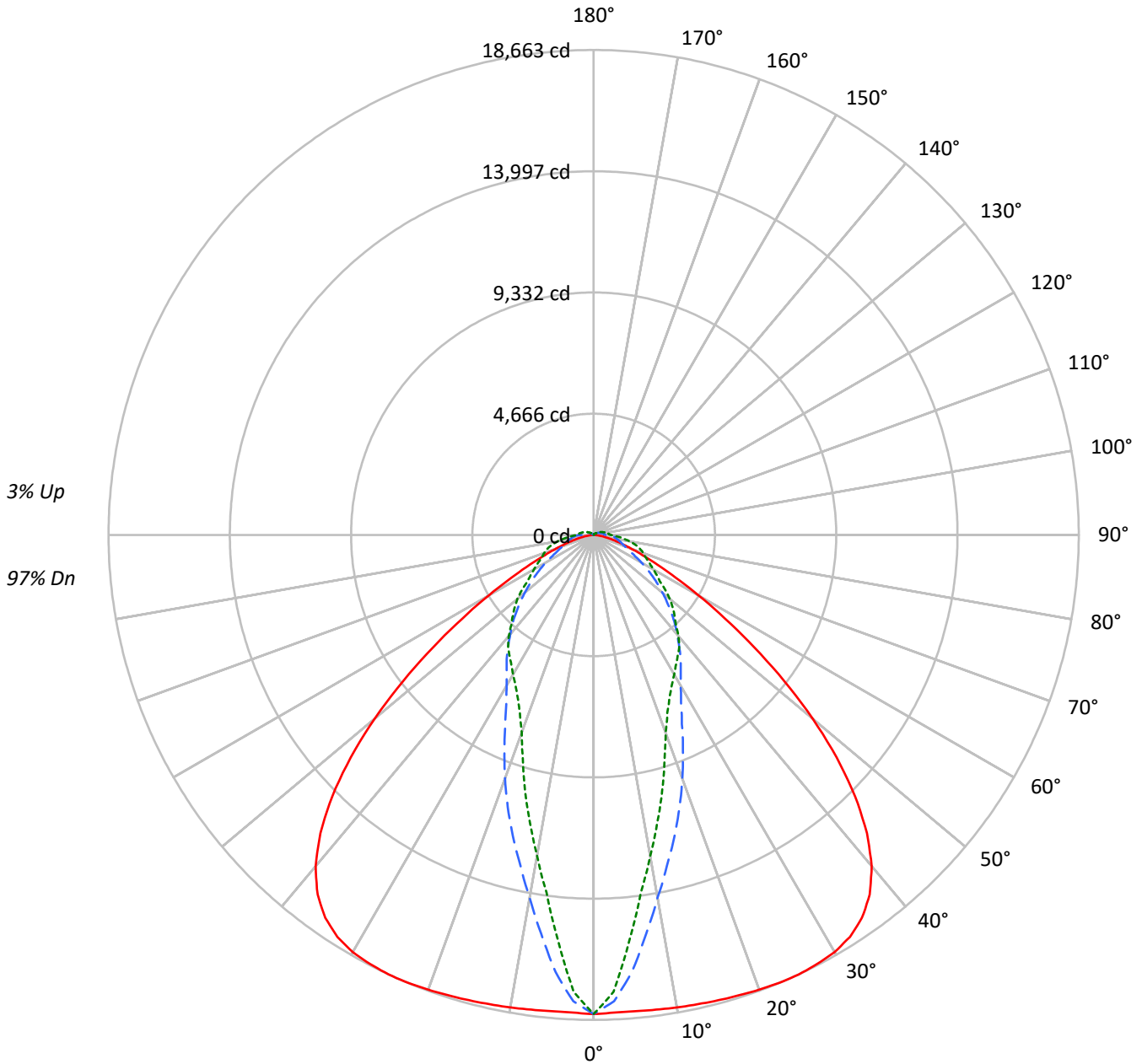
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27211.0 lumens
Efficiency: N/A
Efficacy: 156.4 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31490	31490	31490
5°	31426	28677	26663
10°	31780	24156	21379
15°	32401	20659	17548
20°	33311	17468	14193
25°	34464	14458	12436
30°	35655	12456	11553
35°	36397	11352	11007
40°	35774	10254	10442
45°	32911	9266	9667
50°	27766	8187	9074
55°	21098	7170	8074
60°	14785	6150	7730
65°	9945	5296	7567
70°	6792	4970	7939
75°	4713	5126	8483
80°	3245	5677	8733
85°	1897	7101	9161



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1552.0	5.7
10°-20°	3651.0	13.4
20°-30°	4576.5	16.8
30°-40°	4856.2	17.8
40°-50°	4390.7	16.1
50°-60°	3183.6	11.7
60°-70°	1997.8	7.3
70°-80°	1322.1	4.9
80°-90°	761.7	2.8
90°-100°	369.0	1.4
100°-110°	254.7	0.9
110°-120°	157.2	0.6
120°-130°	76.1	0.3
130°-140°	35.0	0.1
140°-150°	19.1	0.1
150°-160°	8.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	9779.5	35.9
0°-40°	14635.6	53.8
0°-60°	22209.9	81.6
0°-90°	26291.5	96.6
90°-120°	780.9	2.9
90°-150°	911.1	3.3
90°-180°	919.0	3.4
0°-180°	27211.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18437	18437	18437	18437	18437	
5°	18400	17928	16875	16093	15687	###
15°	18540	15112	12002	10674	10190	5258
25°	18663	11685	8037	7133	6907	8622
35°	17995	7768	5833	5650	5648	11186
45°	14226	4920	4227	4329	4403	10837
55°	7531	3050	2758	2992	3099	6805
65°	2694	1769	1597	2046	2274	2803
75°	832	953	1072	1665	1765	927
85°	146	395	784	1091	1002	175
90°	0	165	454	640	646	9
95°	7	116	400	544	568	6
105°	14	77	291	386	397	14
115°	19	54	196	246	251	19
125°	21	28	100	126	125	18
135°	18	21	44	68	68	14
145°	21	23	26	40	39	13
155°	21	26	28	30	26	7
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830275

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18436.9	18436.9	18436.9	18436.9	18436.9
2.5°	18398.3	18293.0	17964.9	17764.8	17596.4
5°	18400.1	17928.0	16875.2	16092.6	15687.2
7.5°	18426.4	17377.0	15480.2	14337.9	13892.2
10°	18466.7	16694.5	14178.2	12960.4	12544.5
12.5°	18496.6	15925.9	13032.3	11781.2	11325.0
15°	18540.4	15111.7	12002.3	10674.0	10189.7
17.5°	18580.8	14344.9	10984.6	9596.6	9057.9
20°	18621.1	13518.4	9966.8	8536.7	8092.8
22.5°	18659.8	12646.3	8973.7	7713.8	7410.2
25°	18663.3	11684.7	8036.6	7133.0	6906.6
27.5°	18617.6	10688.0	7276.8	6646.9	6506.5
30°	18538.7	9721.2	6687.3	6296.0	6195.9
32.5°	18342.1	8735.0	6231.0	5957.3	5899.4
35°	17994.7	7768.2	5832.7	5650.2	5648.5
37.5°	17447.2	6910.1	5401.0	5369.5	5408.1
40°	16638.3	6159.1	4992.2	5076.4	5076.4
42.5°	15559.2	5506.3	4621.9	4707.9	4685.1
45°	14225.6	4920.3	4227.1	4328.9	4402.6
47.5°	12679.6	4404.4	3823.5	4020.1	4121.9
50°	10998.6	3913.0	3455.1	3706.0	3821.8
52.5°	9236.9	3458.6	3095.3	3383.1	3476.1
55°	7531.3	3049.7	2758.4	2991.8	3098.8
57.5°	5987.1	2660.2	2428.5	2649.6	2870.7
60°	4658.8	2325.0	2118.0	2433.8	2654.9
62.5°	3558.6	2026.7	1826.7	2232.0	2453.1
65°	2693.5	1768.8	1596.8	2046.0	2274.1
67.5°	2030.2	1545.9	1417.8	1910.9	2133.7
70°	1524.9	1330.1	1273.9	1826.7	2026.7
72.5°	1126.5	1131.8	1159.9	1753.0	1905.6
75°	831.7	952.8	1072.1	1665.2	1765.3
77.5°	594.9	789.6	993.2	1560.0	1595.0
80°	412.4	644.0	910.7	1421.3	1391.5
82.5°	257.9	515.9	837.0	1268.7	1186.2
85°	145.6	394.8	784.4	1091.4	1001.9
87.5°	64.9	294.8	686.1	851.0	794.9
90°	0.0	164.9	454.5	640.5	645.7
92.5°	3.5	136.9	419.4	586.1	603.6
95°	7.0	115.8	400.1	544.0	568.5
97.5°	8.8	101.8	375.5	505.4	526.4
100°	10.5	91.2	345.7	465.0	482.5
102.5°	12.3	84.2	317.6	422.9	436.9
105°	14.0	77.2	291.3	386.0	396.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	17.5	59.7	219.3	277.2	286.0
115°	19.3	54.4	196.5	245.7	250.9
117.5°	21.1	47.4	172.0	215.8	217.6
120°	21.1	42.1	147.4	184.2	184.2
122.5°	21.1	35.1	122.8	152.7	150.9
125°	21.1	28.1	100.0	126.3	124.6
127.5°	19.3	22.8	80.7	105.3	103.5
130°	19.3	22.8	64.9	89.5	89.5
132.5°	17.5	21.1	52.6	77.2	77.2
135°	17.5	21.1	43.9	68.4	68.4
137.5°	17.5	22.8	36.8	59.7	59.7
140°	17.5	21.1	31.6	52.6	52.6
142.5°	19.3	21.1	28.1	45.6	45.6
145°	21.1	22.8	26.3	40.4	38.6
147.5°	21.1	24.6	26.3	35.1	33.3
150°	21.1	26.3	26.3	31.6	29.8
152.5°	21.1	26.3	26.3	29.8	28.1
155°	21.1	26.3	28.1	29.8	26.3
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°	14.0	71.9	266.7	345.7	358.0
110°	15.8	64.9	243.9	308.8	321.1



(END OF REPORT)