

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: P829411

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829411
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: OHB-30SE-N-UNV-L830-CD
Description: 30000 LUMEN OHB SE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

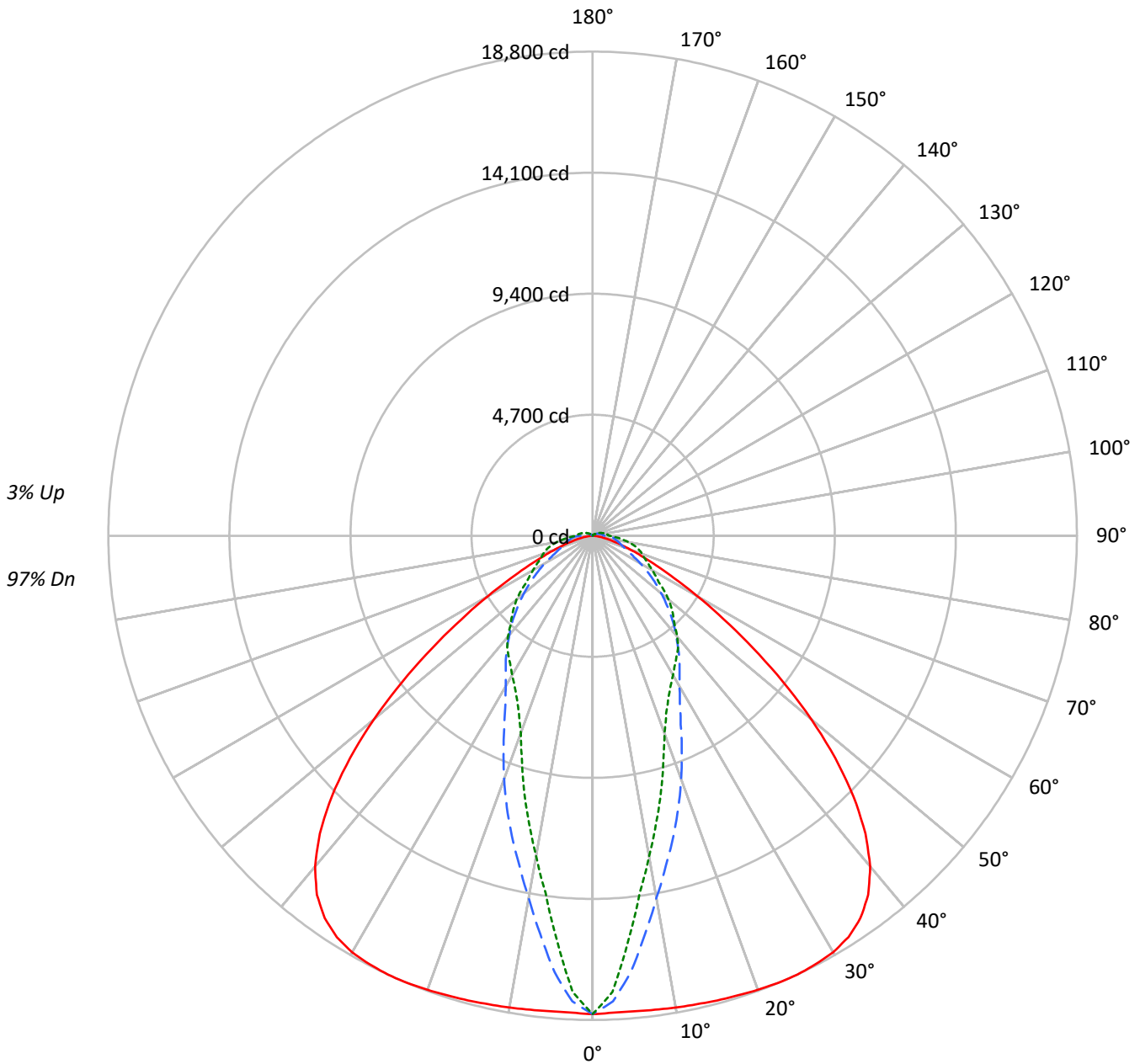
Lumens per Lamp: N/A
Luminaire Lumens: 27411.0 lumens
Efficiency: N/A
Efficacy: 151.4 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					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°	62041	62041	62041
5°	61689	56354	52531
10°	62156	47347	42121
15°	63132	40388	34572
20°	64654	34059	27963
25°	66617	28113	24501
30°	68619	24148	22761
35°	69713	21938	21685
40°	68157	19748	20573
45°	62324	17776	19047
50°	52214	15634	17877
55°	39340	13621	15908
60°	27280	11607	15229
65°	18100	9914	14909
70°	12130	9204	15642
75°	8182	9346	16712
80°	5367	10103	17205
85°	2832	12088	18050



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1563.4	5.7
10°-20°	3677.8	13.4
20°-30°	4610.1	16.8
30°-40°	4891.8	17.8
40°-50°	4423.0	16.1
50°-60°	3207.0	11.7
60°-70°	2012.5	7.3
70°-80°	1331.8	4.9
80°-90°	767.3	2.8
90°-100°	371.7	1.4
100°-110°	256.6	0.9
110°-120°	158.3	0.6
120°-130°	76.7	0.3
130°-140°	35.3	0.1
140°-150°	19.3	0.1
150°-160°	8.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	9851.3	35.9
0°-40°	14743.2	53.8
0°-60°	22373.2	81.6
0°-90°	26484.8	96.6
90°-120°	786.6	2.9
90°-150°	917.8	3.3
90°-180°	926.0	3.4
0°-180°	27411.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18572	18572	18572	18572	18572	
5°	18535	18060	16999	16211	15802	###
15°	18677	15223	12090	10752	10265	5297
25°	18800	11771	8096	7185	6957	8685
35°	18127	7825	5876	5692	5690	11269
45°	14330	4956	4258	4361	4435	10917
55°	7587	3072	2779	3014	3122	6855
65°	2713	1782	1608	2061	2291	2823
75°	838	960	1080	1678	1778	934
85°	147	398	790	1100	1009	176
90°	0	166	458	645	650	9
95°	7	117	403	548	573	6
105°	14	78	293	389	400	14
115°	19	55	198	248	253	19
125°	21	28	101	127	126	18
135°	18	21	44	69	69	14
145°	21	23	26	41	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18572.4	18572.4	18572.4	18572.4	18572.4
2.5°	18533.5	18427.5	18096.9	17895.4	17725.7
5°	18535.3	18059.8	16999.2	16210.9	15802.5
7.5°	18561.8	17504.8	15594.0	14443.2	13994.3
10°	18602.5	16817.2	14282.4	13055.7	12636.7
12.5°	18632.5	16042.9	13128.1	11867.8	11408.2
15°	18676.7	15222.8	12090.5	10752.5	10264.6
17.5°	18717.4	14450.3	11065.3	9667.1	9124.5
20°	18758.0	13617.8	10040.1	8599.5	8152.3
22.5°	18796.9	12739.3	9039.6	7770.5	7464.7
25°	18800.4	11770.6	8095.7	7185.4	6957.4
27.5°	18754.5	10766.6	7330.3	6695.8	6554.3
30°	18674.9	9792.6	6736.4	6342.2	6241.5
32.5°	18477.0	8799.2	6276.8	6001.1	5942.7
35°	18127.0	7825.3	5875.6	5691.7	5690.0
37.5°	17575.5	6960.9	5440.7	5408.9	5447.8
40°	16760.6	6204.4	5028.9	5113.7	5113.7
42.5°	15673.5	5546.8	4655.9	4742.5	4719.6
45°	14330.1	4956.4	4258.2	4360.7	4435.0
47.5°	12772.8	4436.7	3851.7	4049.6	4152.1
50°	11079.5	3941.8	3480.4	3733.2	3849.9
52.5°	9304.8	3484.0	3118.1	3408.0	3501.7
55°	7586.6	3072.1	2778.7	3013.8	3121.6
57.5°	6031.1	2679.7	2446.4	2669.1	2891.8
60°	4693.0	2342.1	2133.5	2451.7	2674.4
62.5°	3584.7	2041.6	1840.1	2248.4	2471.1
65°	2713.3	1781.8	1608.5	2061.0	2290.8
67.5°	2045.1	1557.3	1428.2	1924.9	2149.4
70°	1536.1	1339.9	1283.3	1840.1	2041.6
72.5°	1134.8	1140.1	1168.4	1765.9	1919.6
75°	837.9	959.8	1080.0	1677.5	1778.2
77.5°	599.2	795.4	1000.5	1571.4	1606.8
80°	415.4	648.7	917.4	1431.8	1401.7
82.5°	259.8	519.7	843.2	1278.0	1194.9
85°	146.7	397.7	790.1	1099.5	1009.3
87.5°	65.4	297.0	691.1	857.3	800.7
90°	0.0	166.2	457.8	645.2	650.5
92.5°	3.5	137.9	422.5	590.4	608.1
95°	7.1	116.7	403.0	548.0	572.7
97.5°	8.8	102.5	378.3	509.1	530.3
100°	10.6	91.9	348.2	468.4	486.1
102.5°	12.4	84.8	319.9	426.0	440.1
105°	14.1	77.8	293.4	388.9	399.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	17.7	60.1	221.0	279.3	288.1
115°	19.4	54.8	198.0	247.5	252.8
117.5°	21.2	47.7	173.2	217.4	219.2
120°	21.2	42.4	148.5	185.6	185.6
122.5°	21.2	35.4	123.7	153.8	152.0
125°	21.2	28.3	100.8	127.3	125.5
127.5°	19.4	23.0	81.3	106.1	104.3
130°	19.4	23.0	65.4	90.1	90.1
132.5°	17.7	21.2	53.0	77.8	77.8
135°	17.7	21.2	44.2	68.9	68.9
137.5°	17.7	23.0	37.1	60.1	60.1
140°	17.7	21.2	31.8	53.0	53.0
142.5°	19.4	21.2	28.3	46.0	46.0
145°	21.2	23.0	26.5	40.7	38.9
147.5°	21.2	24.7	26.5	35.4	33.6
150°	21.2	26.5	26.5	31.8	30.0
152.5°	21.2	26.5	26.5	30.0	28.3
155°	21.2	26.5	28.3	30.0	26.5
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°	14.1	72.5	268.7	348.2	360.6
110°	15.9	65.4	245.7	311.1	323.5



(END OF REPORT)