

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: P830300

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

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830300
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-L835-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

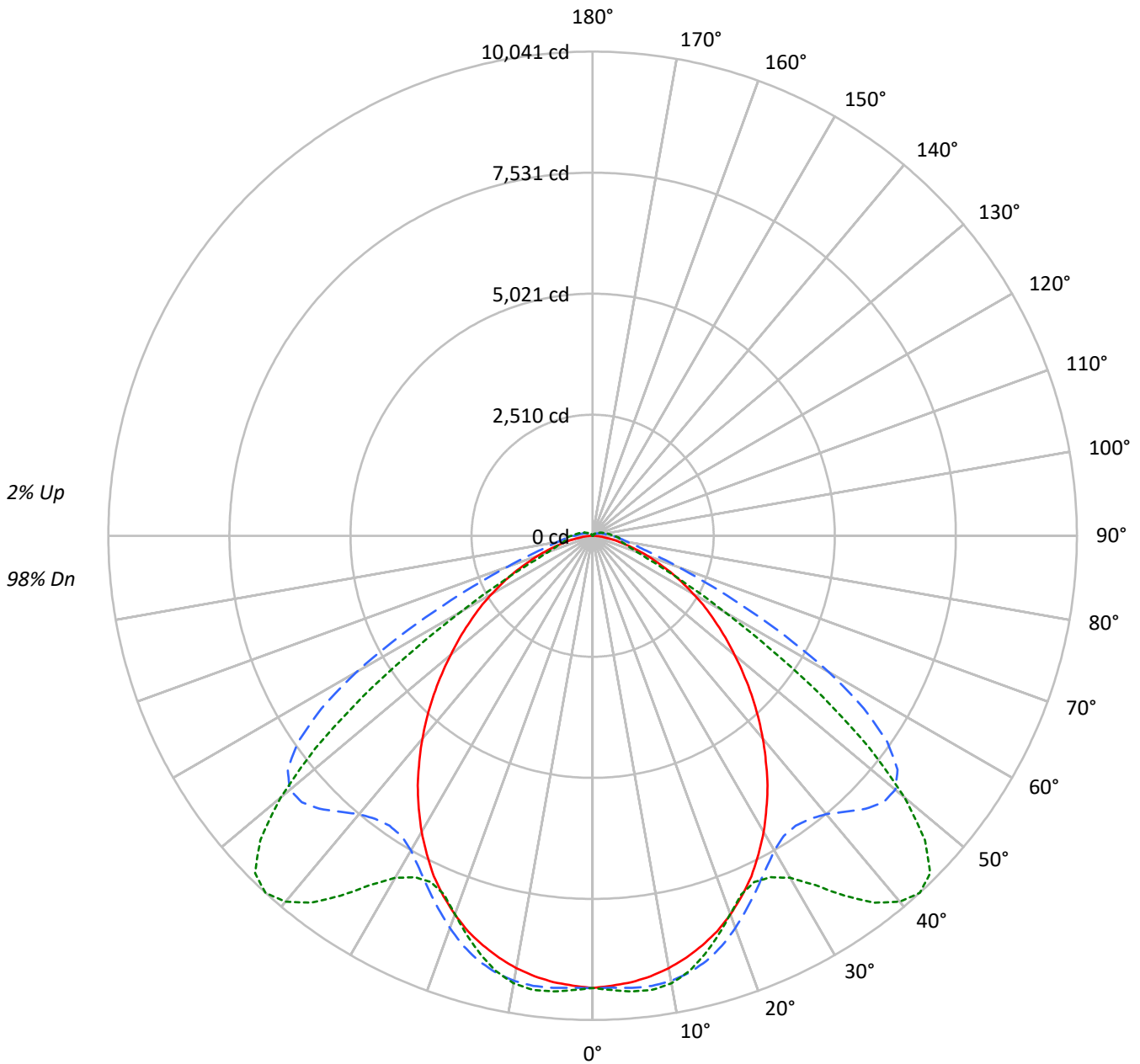
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28082.0 lumens
Efficiency: N/A
Efficacy: 161.4 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

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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	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°	16019	16019	16019
5°	15870	15997	16123
10°	15671	15972	16064
15°	15365	15708	15472
20°	14946	15168	14638
25°	14386	14514	14268
30°	13640	14028	15265
35°	12790	14288	17751
40°	11803	15474	20379
45°	10772	17552	21732
50°	9696	19408	20038
55°	8684	19383	15142
60°	7655	16398	9132
65°	6567	11322	5434
70°	5336	7319	3828
75°	4059	5243	3423
80°	2914	4604	3632
85°	1978	5056	5051



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	896.3	3.2
10°-20°	2537.9	9.0
20°-30°	3713.8	13.2
30°-40°	4823.2	17.2
40°-50°	5889.7	21.0
50°-60°	5186.8	18.5
60°-70°	2702.9	9.6
70°-80°	1159.1	4.1
80°-90°	556.7	2.0
90°-100°	261.5	0.9
100°-110°	162.5	0.6
110°-120°	96.1	0.3
120°-130°	52.2	0.2
130°-140°	26.2	0.1
140°-150°	12.6	0.0
150°-160°	4.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7148.0	25.5
0°-40°	11971.2	42.6
0°-60°	23047.7	82.1
0°-90°	27466.4	97.8
90°-120°	520.2	1.9
90°-150°	611.2	2.2
90°-180°	616.0	2.2
0°-180°	28082.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9379	9379	9379	9379	9379	
5°	9292	9363	9413	9496	9486	881
15°	8792	9039	9126	9057	8984	2476
25°	7790	8207	8068	7916	7924	3575
35°	6323	6991	7341	8561	9110	3941
45°	4656	5858	8007	9694	9897	3590
55°	3100	5132	7457	6538	5812	2782
65°	1779	3555	3414	1898	1633	1760
75°	716	1663	1097	751	712	781
85°	152	593	558	546	552	169
90°	2	214	368	421	431	11
95°	4	126	293	344	354	3
105°	8	71	190	229	233	9
115°	12	40	117	144	148	13
125°	14	20	69	89	91	12
135°	12	12	32	55	57	9
145°	16	12	14	26	30	9
155°	16	16	12	12	12	5
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°	9378.9	9378.9	9378.9	9378.9	9378.9
2.5°	9338.4	9378.9	9380.9	9437.6	9431.5
5°	9291.9	9362.7	9413.3	9496.2	9486.1
7.5°	9215.0	9326.3	9415.3	9506.4	9498.3
10°	9105.7	9257.5	9374.8	9449.7	9425.4
12.5°	8964.1	9164.4	9279.7	9295.9	9249.4
15°	8792.1	9038.9	9125.9	9057.1	8984.3
17.5°	8597.8	8887.2	8917.5	8767.8	8676.7
20°	8355.0	8684.8	8654.5	8448.1	8346.9
22.5°	8085.9	8462.2	8365.1	8148.6	8051.5
25°	7790.4	8207.3	8067.7	7915.9	7924.0
27.5°	7444.4	7917.9	7782.3	7851.1	7980.6
30°	7092.3	7614.4	7531.4	7932.1	8187.0
32.5°	6705.8	7302.8	7377.6	8168.8	8585.7
35°	6323.4	6991.2	7341.2	8561.4	9109.8
37.5°	5900.5	6675.5	7399.9	9014.6	9589.3
40°	5489.7	6367.9	7533.5	9421.4	9907.0
42.5°	5070.9	6092.7	7758.1	9662.2	10040.6
45°	4656.1	5858.0	8006.9	9694.5	9896.9
47.5°	4241.2	5659.7	8178.9	9437.6	9344.5
50°	3840.6	5483.7	8191.1	8820.4	8440.0
52.5°	3466.2	5321.8	7968.5	7837.0	7246.1
55°	3100.0	5131.6	7456.6	6537.9	5811.5
57.5°	2766.1	4868.5	6667.4	5141.7	4348.5
60°	2412.0	4512.4	5647.6	3761.7	3136.4
62.5°	2086.2	4069.2	4504.3	2618.4	2254.2
65°	1778.6	3555.3	3413.6	1898.0	1633.0
67.5°	1452.9	3023.1	2519.2	1384.1	1214.1
70°	1197.9	2529.4	1875.8	1076.5	977.3
72.5°	936.9	2059.9	1402.3	874.1	819.5
75°	716.3	1663.3	1096.7	750.7	712.3
77.5°	528.1	1315.3	882.2	663.7	627.3
80°	370.3	1036.0	738.6	592.9	578.7
82.5°	248.9	801.3	629.3	564.6	566.6
85°	151.8	592.9	558.5	546.3	552.4
87.5°	72.8	420.9	479.6	497.8	503.8
90°	2.0	214.5	368.3	420.9	431.0
92.5°	0.0	163.9	323.8	376.4	386.5
95°	4.0	125.5	293.4	344.0	354.1
97.5°	4.0	103.2	263.1	315.7	321.7
100°	6.1	89.0	234.7	285.3	291.4
102.5°	6.1	78.9	210.4	255.0	259.0
105°	8.1	70.8	190.2	228.7	232.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.1	48.6	133.6	161.9	165.9
115°	12.1	40.5	117.4	143.7	147.7
117.5°	14.2	36.4	103.2	127.5	129.5
120°	14.2	30.4	89.0	113.3	115.3
122.5°	14.2	24.3	78.9	101.2	103.2
125°	14.2	20.2	68.8	89.0	91.1
127.5°	12.1	14.2	58.7	78.9	80.9
130°	12.1	12.1	48.6	68.8	72.8
132.5°	12.1	12.1	40.5	60.7	64.8
135°	12.1	12.1	32.4	54.6	56.7
137.5°	12.1	12.1	26.3	46.5	50.6
140°	12.1	12.1	20.2	40.5	42.5
142.5°	14.2	12.1	18.2	34.4	36.4
145°	16.2	12.1	14.2	26.3	30.4
147.5°	16.2	14.2	14.2	22.3	24.3
150°	16.2	16.2	12.1	16.2	20.2
152.5°	16.2	16.2	12.1	12.1	16.2
155°	16.2	16.2	12.1	12.1	12.1
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°	10.1	62.7	170.0	204.4	208.4
110°	10.1	54.6	149.7	182.1	186.2



(END OF REPORT)