

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: P830276

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830276  
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-L835-CD  
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND NARROW LENS  
Light Source: -  
Ballast/Driver: -

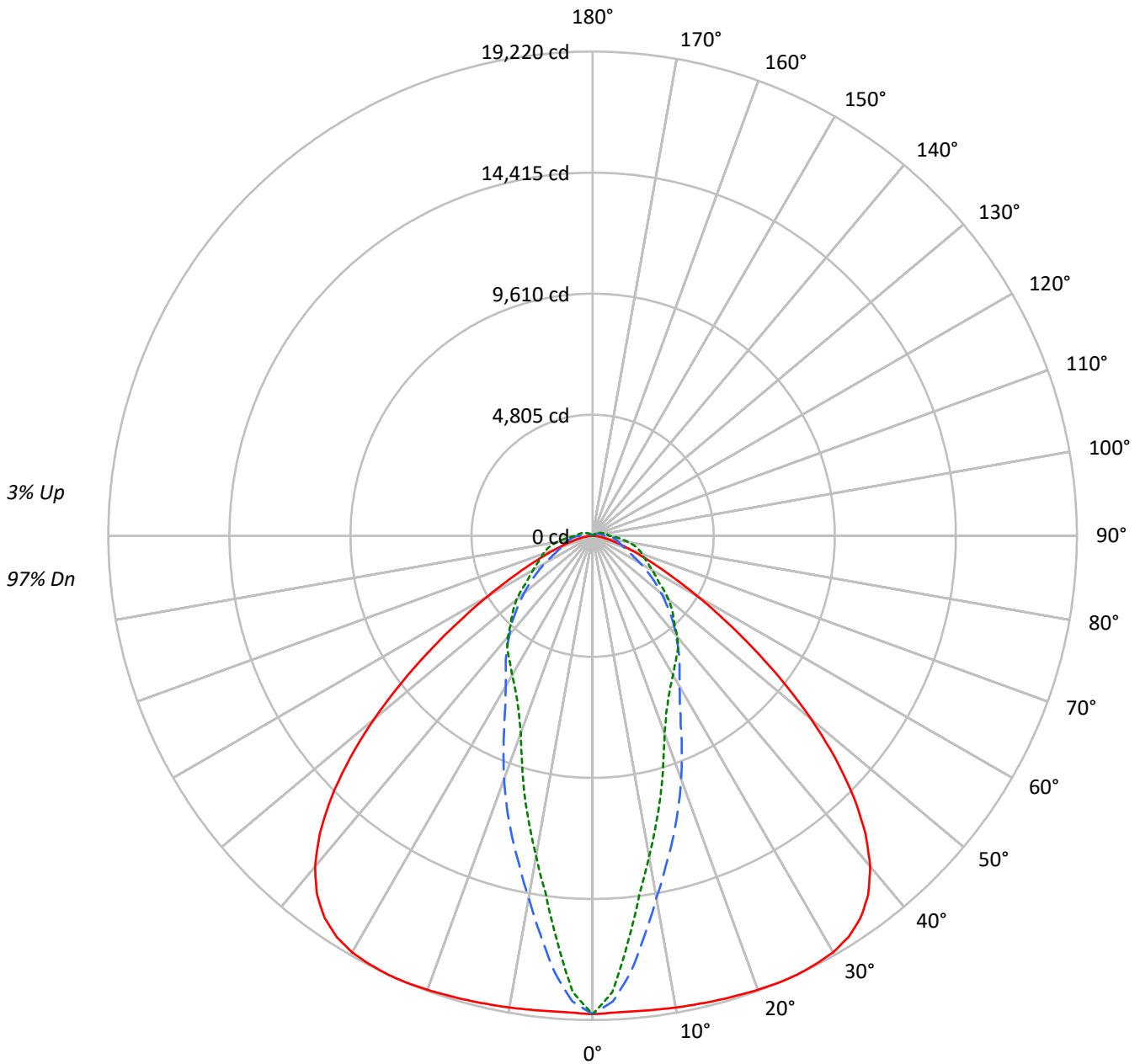
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28023.0 lumens  
Efficiency: N/A  
Efficacy: 161.1 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 (Ain): 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°	32430	32430	32430
5°	32364	29533	27458
10°	32729	24877	22017
15°	33368	21275	18071
20°	34305	17989	14616
25°	35492	14890	12807
30°	36719	12828	11897
35°	37483	11690	11335
40°	36841	10560	10754
45°	33893	9543	9956
50°	28595	8431	9344
55°	21728	7384	8315
60°	15227	6333	7961
65°	10242	5454	7793
70°	6995	5118	8176
75°	4854	5279	8736
80°	3342	5846	8993
85°	1955	7313	9434



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1598.3	5.7
10°-20°	3759.9	13.4
20°-30°	4713.0	16.8
30°-40°	5001.1	17.8
40°-50°	4521.8	16.1
50°-60°	3278.6	11.7
60°-70°	2057.5	7.3
70°-80°	1361.6	4.9
80°-90°	784.4	2.8
90°-100°	380.0	1.4
100°-110°	262.3	0.9
110°-120°	161.9	0.6
120°-130°	78.4	0.3
130°-140°	36.1	0.1
140°-150°	19.7	0.1
150°-160°	8.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	10071.3	35.9
0°-40°	15072.4	53.8
0°-60°	22872.7	81.6
0°-90°	27076.1	96.6
90°-120°	804.2	2.9
90°-150°	938.3	3.3
90°-180°	947.0	3.4
0°-180°	28023.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	18987	18987	18987	18987	18987	
5°	18949	18463	17379	16573	16155	###
15°	19094	15563	12360	10992	10494	5415
25°	19220	12033	8276	7346	7113	8879
35°	18532	8000	6007	5819	5817	11520
45°	14650	5067	4353	4458	4534	11160
55°	7756	3141	2841	3081	3191	7008
65°	2774	1822	1644	2107	2342	2887
75°	857	981	1104	1715	1818	955
85°	150	407	808	1124	1032	180
90°	0	170	468	660	665	10
95°	7	119	412	560	586	6
105°	14	80	300	398	408	15
115°	20	56	202	253	258	19
125°	22	29	103	130	128	19
135°	18	22	45	70	70	14
145°	22	24	27	42	40	13
155°	22	27	29	31	27	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°	18987.1	18987.1	18987.1	18987.1	18987.1
2.5°	18947.3	18838.9	18501.0	18295.0	18121.5
5°	18949.1	18463.0	17378.8	16572.8	16155.4
7.5°	18976.2	17895.6	15942.1	14765.7	14306.7
10°	19017.8	17192.6	14601.3	13347.2	12918.9
12.5°	19048.5	16401.1	13421.2	12132.8	11662.9
15°	19093.7	15562.6	12360.5	10992.5	10493.8
17.5°	19135.3	14772.9	11312.4	9883.0	9328.2
20°	19176.8	13921.8	10264.3	8791.5	8334.3
22.5°	19216.6	13023.7	9241.4	7944.0	7631.3
25°	19220.2	12033.4	8276.5	7345.8	7112.7
27.5°	19173.2	11007.0	7494.0	6845.3	6700.7
30°	19091.9	10011.3	6886.8	6483.8	6380.8
32.5°	18889.5	8995.7	6417.0	6135.1	6075.4
35°	18531.7	8000.0	6006.8	5818.8	5817.0
37.5°	17967.9	7116.3	5562.2	5529.7	5569.4
40°	17134.8	6342.9	5141.2	5227.9	5227.9
42.5°	16023.5	5670.6	4759.9	4848.4	4824.9
45°	14650.1	5067.1	4353.3	4458.1	4534.0
47.5°	13058.0	4535.8	3937.6	4140.0	4244.9
50°	11326.8	4029.8	3558.2	3816.6	3935.8
52.5°	9512.5	3561.8	3187.7	3484.1	3579.8
55°	7756.0	3140.7	2840.7	3081.1	3191.3
57.5°	6165.8	2739.5	2501.0	2728.7	2956.4
60°	4797.8	2394.4	2181.2	2506.4	2734.1
62.5°	3664.8	2087.2	1881.2	2298.6	2526.3
65°	2773.9	1821.5	1644.5	2107.1	2342.0
67.5°	2090.8	1592.0	1460.1	1967.9	2197.4
70°	1570.4	1369.8	1311.9	1881.2	2087.2
72.5°	1160.2	1165.6	1194.5	1805.3	1962.5
75°	856.6	981.2	1104.1	1714.9	1817.9
77.5°	612.6	813.2	1022.8	1606.5	1642.6
80°	424.7	663.2	937.9	1463.7	1433.0
82.5°	265.6	531.3	862.0	1306.5	1221.6
85°	150.0	406.6	807.8	1124.0	1031.8
87.5°	66.9	303.6	706.6	876.4	818.6
90°	0.0	169.9	468.0	659.6	665.0
92.5°	3.6	141.0	431.9	603.6	621.6
95°	7.2	119.3	412.0	560.2	585.5
97.5°	9.0	104.8	386.7	520.4	542.1
100°	10.8	94.0	356.0	478.9	496.9
102.5°	12.6	86.7	327.1	435.5	450.0
105°	14.5	79.5	300.0	397.6	408.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	18.1	61.4	225.9	285.5	294.6
115°	19.9	56.0	202.4	253.0	258.4
117.5°	21.7	48.8	177.1	222.3	224.1
120°	21.7	43.4	151.8	189.7	189.7
122.5°	21.7	36.1	126.5	157.2	155.4
125°	21.7	28.9	103.0	130.1	128.3
127.5°	19.9	23.5	83.1	108.4	106.6
130°	19.9	23.5	66.9	92.2	92.2
132.5°	18.1	21.7	54.2	79.5	79.5
135°	18.1	21.7	45.2	70.5	70.5
137.5°	18.1	23.5	37.9	61.4	61.4
140°	18.1	21.7	32.5	54.2	54.2
142.5°	19.9	21.7	28.9	47.0	47.0
145°	21.7	23.5	27.1	41.6	39.8
147.5°	21.7	25.3	27.1	36.1	34.3
150°	21.7	27.1	27.1	32.5	30.7
152.5°	21.7	27.1	27.1	30.7	28.9
155°	21.7	27.1	28.9	30.7	27.1
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°	14.5	74.1	274.7	356.0	368.6
110°	16.3	66.9	251.2	318.0	330.7



(END OF REPORT)