

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: P830280

Luminaire Tested: **OHBL-30SE-N-UNV-L935-CD**

Issue Date: 5/3/2024



**Test Information**

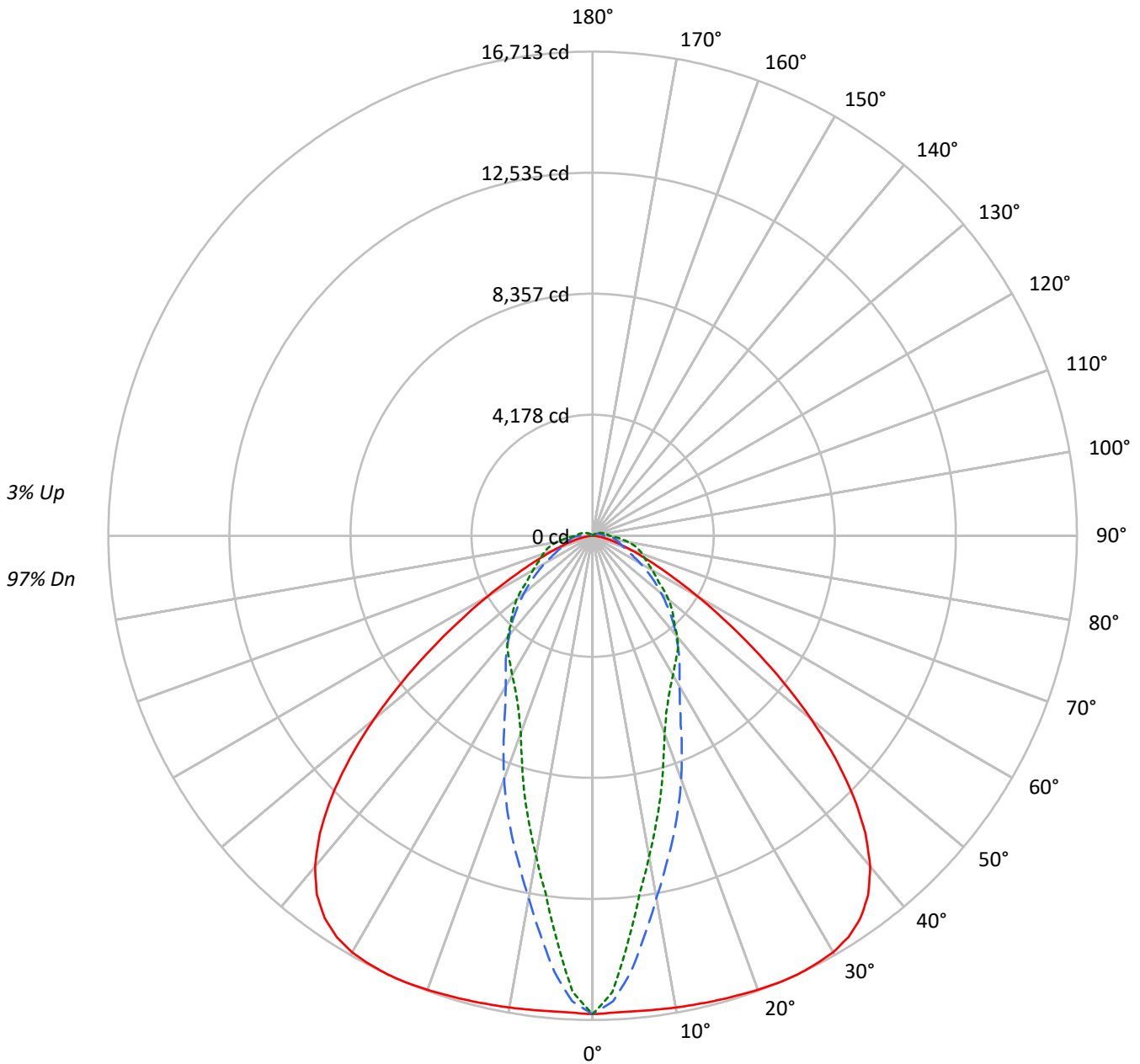
Test Method: LM-79-08  
Report Number: P830280  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-30SE-N-UNV-L935-CD  
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24368.0 lumens  
Efficiency: N/A  
Efficacy: 140.0 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<sub>in</sub>): 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°	28200	28200	28200
5°	28143	25681	23877
10°	28460	21632	19146
15°	29016	18500	15714
20°	29831	15643	12710
25°	30863	12948	11137
30°	31930	11155	10346
35°	32594	10166	9857
40°	32036	9183	9351
45°	29472	8298	8657
50°	24865	7331	8126
55°	18894	6421	7231
60°	13240	5507	6922
65°	8906	4743	6777
70°	6082	4451	7110
75°	4221	4590	7596
80°	2906	5084	7820
85°	1699	6359	8205



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1389.8	5.7
10°-20°	3269.5	13.4
20°-30°	4098.3	16.8
30°-40°	4348.8	17.8
40°-50°	3932.0	16.1
50°-60°	2850.9	11.7
60°-70°	1789.1	7.3
70°-80°	1184.0	4.9
80°-90°	682.1	2.8
90°-100°	330.5	1.4
100°-110°	228.1	0.9
110°-120°	140.7	0.6
120°-130°	68.2	0.3
130°-140°	31.3	0.1
140°-150°	17.1	0.1
150°-160°	7.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	8757.7	35.9
0°-40°	13106.5	53.8
0°-60°	19889.4	81.6
0°-90°	23544.6	96.6
90°-120°	699.3	2.9
90°-150°	815.9	3.3
90°-180°	823.0	3.4
0°-180°	24368.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	16511	16511	16511	16511	16511	
5°	16478	16055	15112	14411	14048	###
15°	16603	13533	10748	9559	9125	4709
25°	16713	10464	7197	6388	6185	7721
35°	16115	6957	5223	5060	5058	10018
45°	12739	4406	3786	3877	3943	9705
55°	6744	2731	2470	2679	2775	6094
65°	2412	1584	1430	1832	2036	2510
75°	745	853	960	1491	1581	830
85°	130	354	702	977	897	156
90°	0	148	407	574	578	8
95°	6	104	358	487	509	6
105°	13	69	261	346	355	13
115°	17	49	176	220	225	17
125°	19	25	90	113	112	16
135°	16	19	39	61	61	12
145°	19	20	24	36	35	11
155°	19	24	25	27	24	6
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°	16510.6	16510.6	16510.6	16510.6	16510.6
2.5°	16476.0	16381.8	16087.9	15908.8	15757.9
5°	16477.6	16054.9	15112.1	14411.2	14048.2
7.5°	16501.2	15561.5	13862.8	12839.8	12440.7
10°	16537.3	14950.2	12696.9	11606.3	11233.9
12.5°	16564.0	14262.0	11670.7	10550.3	10141.8
15°	16603.3	13532.8	10748.3	9558.8	9125.1
17.5°	16639.5	12846.1	9836.9	8593.9	8111.5
20°	16675.6	12106.0	8925.5	7644.8	7247.3
22.5°	16710.2	11325.0	8036.1	6907.8	6636.0
25°	16713.3	10463.9	7197.0	6387.7	6185.0
27.5°	16672.5	9571.4	6516.6	5952.4	5826.7
30°	16601.8	8705.5	5988.6	5638.2	5548.6
32.5°	16425.8	7822.4	5580.0	5334.9	5283.0
35°	16114.6	6956.6	5223.3	5059.9	5058.3
37.5°	15624.4	6188.1	4836.7	4808.5	4843.0
40°	14899.9	5515.6	4470.6	4546.0	4546.0
42.5°	13933.5	4931.0	4139.0	4216.0	4195.6
45°	12739.3	4406.2	3785.5	3876.6	3942.6
47.5°	11354.9	3944.2	3424.1	3600.1	3691.2
50°	9849.5	3504.2	3094.1	3318.8	3422.5
52.5°	8271.8	3097.2	2771.9	3029.6	3112.9
55°	6744.4	2731.1	2470.2	2679.2	2775.1
57.5°	5361.6	2382.2	2174.8	2372.8	2570.8
60°	4172.0	2082.1	1896.7	2179.5	2377.5
62.5°	3186.8	1815.0	1635.8	1998.8	2196.8
65°	2412.1	1584.0	1430.0	1832.2	2036.5
67.5°	1818.1	1384.4	1269.7	1711.2	1910.8
70°	1365.5	1191.1	1140.8	1635.8	1815.0
72.5°	1008.8	1013.5	1038.7	1569.8	1706.5
75°	744.8	853.3	960.1	1491.3	1580.8
77.5°	532.7	707.1	889.4	1397.0	1428.4
80°	369.3	576.7	815.6	1272.8	1246.1
82.5°	231.0	462.0	749.6	1136.1	1062.3
85°	130.4	353.6	702.4	977.4	897.3
87.5°	58.1	264.0	614.4	762.1	711.8
90°	0.0	147.7	407.0	573.6	578.3
92.5°	3.1	122.6	375.6	524.8	540.6
95°	6.3	103.7	358.3	487.1	509.1
97.5°	7.9	91.1	336.3	452.6	471.4
100°	9.4	81.7	309.6	416.4	432.1
102.5°	11.0	75.4	284.4	378.7	391.3
105°	12.6	69.1	260.9	345.7	355.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	15.7	53.4	196.4	248.3	256.1
115°	17.3	48.7	176.0	220.0	224.7
117.5°	18.9	42.4	154.0	193.3	194.9
120°	18.9	37.7	132.0	165.0	165.0
122.5°	18.9	31.4	110.0	136.7	135.1
125°	18.9	25.1	89.6	113.1	111.6
127.5°	17.3	20.4	72.3	94.3	92.7
130°	17.3	20.4	58.1	80.1	80.1
132.5°	15.7	18.9	47.1	69.1	69.1
135°	15.7	18.9	39.3	61.3	61.3
137.5°	15.7	20.4	33.0	53.4	53.4
140°	15.7	18.9	28.3	47.1	47.1
142.5°	17.3	18.9	25.1	40.9	40.9
145°	18.9	20.4	23.6	36.1	34.6
147.5°	18.9	22.0	23.6	31.4	29.9
150°	18.9	23.6	23.6	28.3	26.7
152.5°	18.9	23.6	23.6	26.7	25.1
155°	18.9	23.6	25.1	26.7	23.6
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°	12.6	64.4	238.9	309.6	320.6
110°	14.1	58.1	218.4	276.6	287.6



(END OF REPORT)