

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: P828082

Luminaire Tested: **OHBL-30SE-N-UNV-L935-CD-UPL30**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828082  
REPORT IS A COMBINATION OF REPORTS P826284 AND G3-2310-221-4  
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-UPL30  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

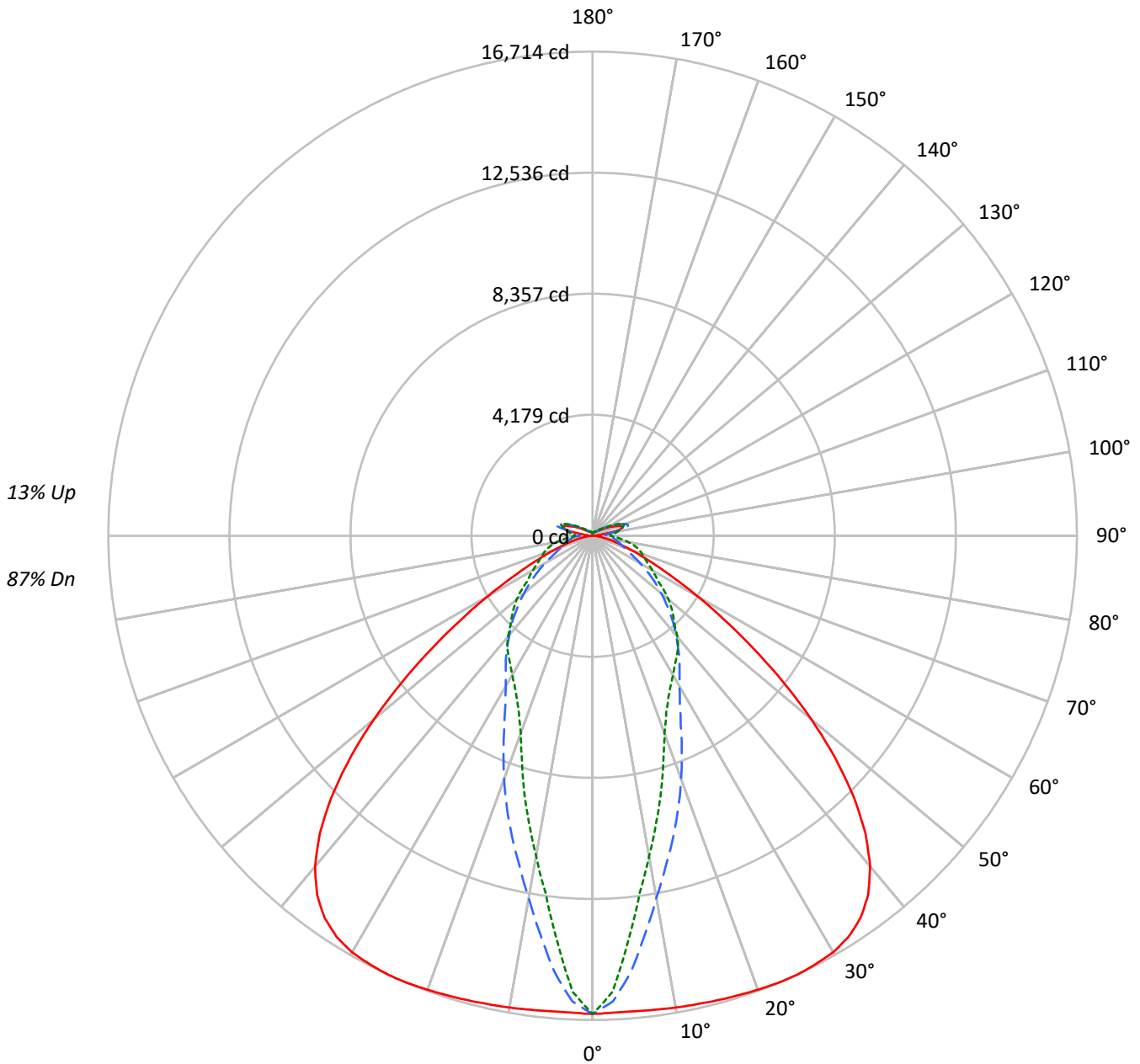
Lumens per Lamp: N/A  
Luminaire Lumens: 26920.8 lumens  
Efficiency: N/A  
Efficacy: 136.5 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 197.2  
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									
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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	87																			
1	107	102	98	95	103	99	95	92	92	89	87	86	84	82	81	79	77	75																			
2	98	91	84	79	94	88	82	77	82	78	74	77	73	70	72	70	67	64																			
3	90	81	74	68	87	78	72	66	74	68	64	69	65	61	65	62	58	56																			
4	83	73	65	59	80	71	63	58	67	60	56	63	58	54	59	55	52	49																			
5	77	66	58	52	75	64	56	51	60	54	49	57	52	47	54	50	46	44																			
6	72	60	52	46	69	58	51	45	55	49	44	52	47	43	50	45	41	39																			
7	67	55	47	41	65	53	46	41	51	44	40	48	43	38	46	41	37	35																			
8	63	50	43	37	61	49	42	37	47	40	36	45	39	35	43	38	34	32																			
9	59	47	39	34	57	46	38	34	44	37	33	42	36	32	40	35	31	29																			
10	55	43	36	31	54	42	35	31	41	34	30	39	33	29	37	32	29	27																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	28200	28200	28200
5°	28006	25681	23994
10°	28185	21632	19333
15°	28593	18501	15947
20°	29245	15643	12965
25°	30094	12948	11421
30°	30955	11155	10672
35°	31401	10166	10231
40°	30650	9183	9775
45°	27974	8298	9121
50°	23385	7331	8640
55°	17573	6422	7774
60°	12147	5507	7546
65°	8027	4743	7520
70°	5350	4451	8085
75°	3579	4591	8958
80°	2318	5084	9806
85°	1192	6359	11692



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1389.9	5.2
10°-20°	3269.6	12.1
20°-30°	4098.4	15.2
30°-40°	4348.8	16.2
40°-50°	3932.0	14.6
50°-60°	2851.0	10.6
60°-70°	1789.1	6.6
70°-80°	1184.0	4.4
80°-90°	687.5	2.6
90°-100°	527.7	2.0
100°-110°	1120.0	4.2
110°-120°	875.0	3.3
120°-130°	414.7	1.5
130°-140°	206.0	0.8
140°-150°	119.2	0.4
150°-160°	67.3	0.3
160°-170°	31.1	0.1
170°-180°	9.5	0.0
0°-30°	8757.8	32.5
0°-40°	13106.7	48.7
0°-60°	19889.7	73.9
0°-90°	23550.4	87.5
90°-120°	2522.7	9.4
90°-150°	3262.6	12.1
90°-180°	3370.0	12.5
0°-180°	26920.8	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°	16604	13533	10748	9559	9125	4709
25°	16714	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	2037	2510
75°	745	853	960	1491	1581	830
85°	130	354	702	977	897	156
90°	6	182	452	624	629	12
95°	54	200	475	635	668	177
105°	1077	1142	1251	1089	1009	1018
115°	752	784	910	958	947	754
125°	380	398	472	486	479	354
135°	228	236	261	287	287	180
145°	174	178	185	200	198	110
155°	143	150	154	157	154	64
165°	107	108	108	110	110	31
175°	97	98	98	98	98	9
180°	96	96	96	96	96	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	16510.8	16510.8	16510.8	16510.8	16510.8
2.5°	16476.2	16382.0	16088.2	15909.0	15758.2
5°	16477.8	16055.2	15112.3	14411.4	14048.4
7.5°	16501.4	15561.8	13863.0	12840.0	12440.9
10°	16537.6	14950.4	12697.0	11606.5	11234.0
12.5°	16564.2	14262.2	11670.9	10550.5	10141.9
15°	16603.6	13533.0	10748.5	9558.9	9125.2
17.5°	16639.7	12846.3	9837.1	8594.1	8111.7
20°	16675.8	12106.2	8925.7	7644.9	7247.3
22.5°	16710.4	11325.2	8036.2	6907.9	6636.1
25°	16713.6	10464.1	7197.1	6387.8	6185.1
27.5°	16672.7	9571.5	6516.7	5952.5	5826.8
30°	16602.0	8705.7	5988.7	5638.2	5548.7
32.5°	16426.0	7822.5	5580.1	5334.9	5283.1
35°	16114.8	6956.7	5223.4	5059.9	5058.4
37.5°	15624.6	6188.2	4836.8	4808.5	4843.1
40°	14900.2	5515.7	4470.7	4546.1	4546.1
42.5°	13933.8	4931.1	4139.1	4216.1	4195.7
45°	12739.4	4406.2	3785.5	3876.7	3942.7
47.5°	11355.0	3944.3	3424.1	3600.1	3691.2
50°	9849.6	3504.3	3094.1	3318.8	3422.5
52.5°	8271.9	3097.2	2772.0	3029.7	3113.0
55°	6744.5	2731.1	2470.3	2679.2	2775.1
57.5°	5361.7	2382.2	2174.8	2372.8	2570.8
60°	4172.1	2082.1	1896.7	2179.6	2377.6
62.5°	3186.8	1815.0	1635.8	1998.8	2196.8
65°	2412.1	1584.0	1430.0	1832.2	2036.6
67.5°	1818.2	1384.4	1269.7	1711.2	1910.8
70°	1365.6	1191.2	1140.8	1635.8	1815.0
72.5°	1008.8	1013.6	1038.7	1569.8	1706.6
75°	744.8	853.2	960.2	1491.2	1580.8
77.5°	532.8	707.2	889.4	1397.0	1428.4
80°	369.3	576.8	815.6	1272.8	1246.2
82.5°	231.0	462.0	749.6	1136.2	1062.2
85°	130.4	353.6	702.4	977.4	897.3
87.5°	58.2	264.0	614.4	762.2	711.8
90°	5.8	181.9	452.0	624.4	629.1
92.5°	20.7	165.1	430.6	592.3	609.8
95°	53.8	199.6	474.9	634.7	667.5
97.5°	297.8	379.5	586.2	743.4	794.8
100°	581.9	686.8	760.4	874.8	894.7
102.5°	914.3	995.4	1002.8	973.8	961.2
105°	1076.8	1141.7	1250.8	1089.1	1009.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	869.1	913.4	1057.2	1098.3	1086.2
115°	752.3	783.8	910.2	957.5	947.3
117.5°	638.8	666.6	779.8	812.4	807.3
120°	540.5	566.9	659.5	687.5	680.8
122.5°	454.7	479.8	562.5	580.1	571.0
125°	380.5	397.7	472.1	485.7	479.1
127.5°	323.9	334.6	393.9	415.1	409.4
130°	281.4	291.2	337.3	361.0	360.2
132.5°	250.8	259.7	293.8	318.3	317.5
135°	228.2	235.5	260.9	287.1	287.1
137.5°	208.2	218.8	235.5	259.3	259.3
140°	194.1	201.3	214.9	235.5	236.3
142.5°	183.1	188.0	198.5	215.8	216.7
145°	173.8	177.9	185.3	199.5	197.9
147.5°	163.8	170.3	175.3	184.8	183.2
150°	156.3	163.6	166.9	172.4	171.8
152.5°	149.7	156.1	158.6	163.4	161.8
155°	143.0	150.3	153.5	156.8	153.6
157.5°	119.2	120.8	122.5	123.3	124.2
160°	115.0	115.8	117.5	118.3	119.2
162.5°	110.0	111.7	112.5	113.3	114.2
165°	106.7	107.5	108.3	110.0	110.0
167.5°	103.3	104.2	105.0	105.8	105.8
170°	100.8	101.7	102.5	102.5	102.5
172.5°	98.3	99.2	100.0	100.0	100.0
175°	96.7	97.5	97.5	98.3	98.3
177.5°	95.8	96.7	96.7	96.7	97.5
180°	95.8	95.8	95.8	95.8	95.8



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







107.5°	1075.9	1142.8	1278.0	1219.6	1113.9
110°	989.2	1050.7	1190.1	1205.8	1158.4



(END OF REPORT)