

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: P828081

Luminaire Tested: **OHBL-30SE-N-UNV-L935-CD-UPL15**

Issue Date: 5/3/2024



**Test Information**

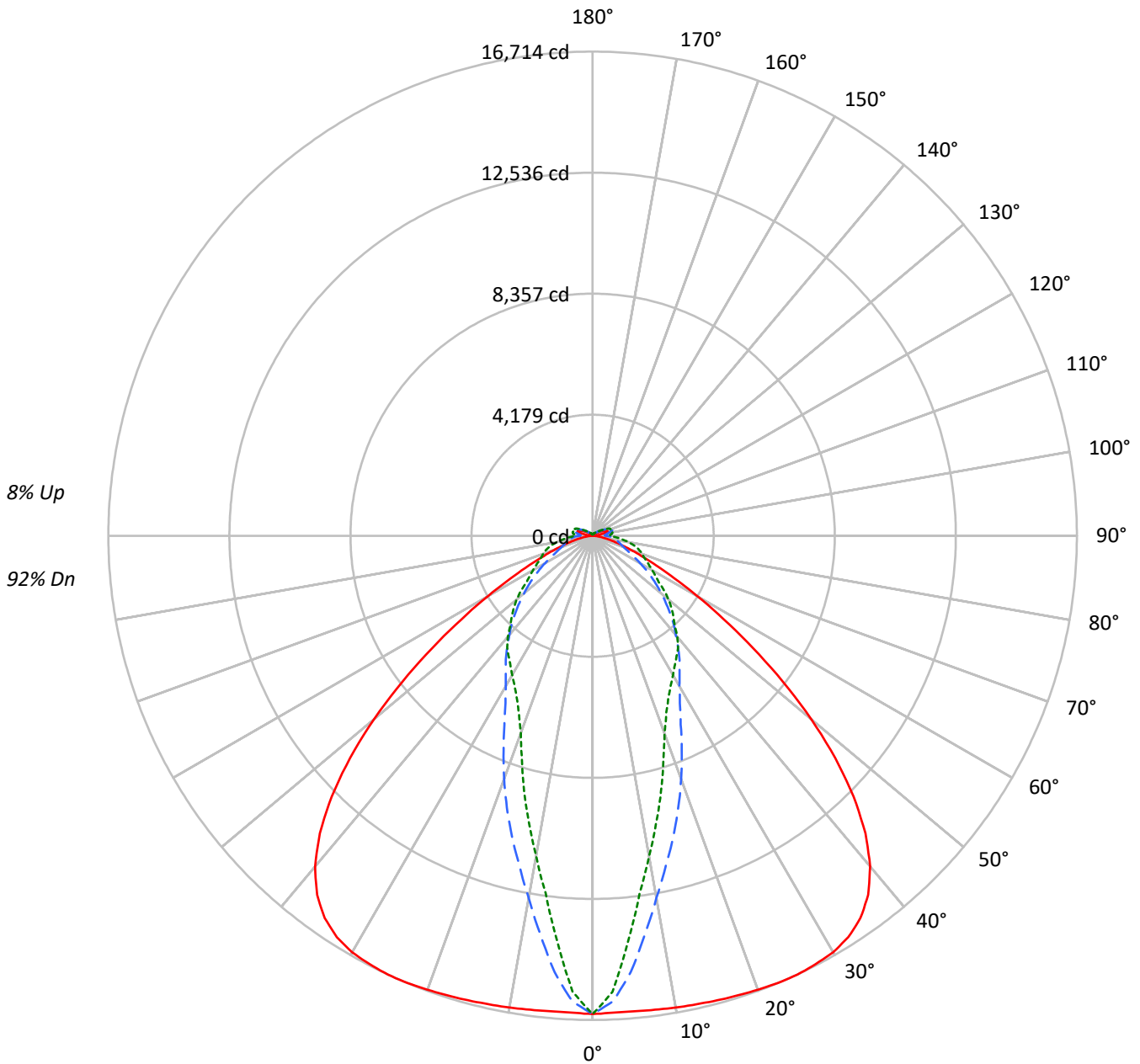
Test Method: LM-79-08  
Report Number: P828081  
REPORT IS A COMBINATION OF REPORTS P826128 AND G3-2310-221-10  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-30SE-N-UNV-L935-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25634.4 lumens  
Efficiency: N/A  
Efficacy: 139.1 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: Direct  
  
Input Watts (W): 184.3  
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	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	92																			
1	108	103	99	96	104	100	97	93	94	92	89	89	87	85	84	83	81	78																			
2	99	92	85	80	96	89	83	79	84	80	76	80	76	73	76	73	70	67																			
3	91	82	74	68	88	80	73	67	76	70	65	72	67	63	68	64	61	59																			
4	84	74	66	59	82	72	64	59	68	62	57	65	60	55	62	58	54	52																			
5	78	67	58	52	76	65	57	52	62	55	50	59	54	49	57	52	48	46																			
6	73	61	52	47	70	59	52	46	57	50	45	54	49	44	52	47	43	41																			
7	68	56	48	42	66	54	47	41	52	46	41	50	44	40	48	43	39	37																			
8	64	51	43	38	62	50	43	38	48	42	37	46	41	36	45	39	36	34																			
9	60	47	40	35	58	46	39	34	45	38	34	43	37	33	42	36	33	31																			
10	56	44	37	32	55	43	36	32	42	35	31	40	35	31	39	34	30	28																			

**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	5.4
10°-20°	3269.6	12.8
20°-30°	4098.4	16.0
30°-40°	4348.8	17.0
40°-50°	3932.0	15.3
50°-60°	2851.0	11.1
60°-70°	1789.1	7.0
70°-80°	1184.0	4.6
80°-90°	685.3	2.7
90°-100°	451.8	1.8
100°-110°	648.6	2.5
110°-120°	502.1	2.0
120°-130°	241.6	0.9
130°-140°	118.0	0.5
140°-150°	67.5	0.3
150°-160°	36.8	0.1
160°-170°	15.2	0.1
170°-180°	4.6	0.0
0°-30°	8757.8	34.2
0°-40°	13106.7	51.1
0°-60°	19889.7	77.6
0°-90°	23548.1	91.9
90°-120°	1602.5	6.3
90°-150°	2029.6	7.9
90°-180°	2086.0	8.1
0°-180°	25634.4	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°	2	166	431	605	614	10
95°	30	164	447	606	647	89
105°	540	589	704	659	643	512
115°	381	412	543	585	582	384
125°	195	211	280	302	300	183
135°	120	126	149	173	174	95
145°	95	98	103	117	115	60
155°	80	85	88	90	88	34
165°	52	52	53	53	53	15
175°	48	48	48	48	48	5
180°	48	48	48	48	48	



TEST NUMBER: P828081

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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°	2.5	166.1	431.2	605.2	614.1
92.5°	11.5	145.9	413.9	578.2	602.3
95°	29.6	163.8	447.4	605.5	646.7
97.5°	146.2	247.0	506.2	648.4	682.3
100°	290.2	385.1	558.8	678.1	699.7
102.5°	462.7	512.1	606.9	668.8	676.2
105°	540.1	589.2	704.2	659.1	642.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	439.9	483.4	618.9	655.8	648.7
115°	380.6	412.1	542.7	585.0	582.3
117.5°	330.5	352.4	467.3	504.9	504.8
120°	278.8	301.1	396.2	427.5	426.7
122.5°	233.8	253.1	335.8	360.1	357.7
125°	194.7	211.0	280.4	302.3	299.9
127.5°	167.2	176.2	234.8	256.8	253.6
130°	147.2	154.6	197.3	220.2	220.2
132.5°	131.6	138.0	170.5	193.3	194.2
135°	119.9	126.3	149.2	172.9	173.8
137.5°	111.6	117.9	133.8	155.1	155.9
140°	103.3	108.8	120.8	140.5	141.3
142.5°	98.9	102.2	110.2	127.5	127.5
145°	94.7	97.9	102.8	117.0	115.4
147.5°	90.5	95.3	98.6	106.4	105.7
150°	86.3	92.8	93.6	99.1	97.6
152.5°	83.0	88.6	90.2	93.4	92.7
155°	79.7	85.2	88.5	90.1	87.8
157.5°	58.3	59.2	60.0	60.8	60.8
160°	55.8	56.7	57.5	57.5	58.3
162.5°	54.2	55.0	55.0	55.8	55.8
165°	52.5	52.5	53.3	53.3	53.3
167.5°	50.8	50.8	51.7	51.7	52.5
170°	49.2	50.0	50.0	50.0	50.8
172.5°	48.3	48.3	49.2	49.2	49.2
175°	47.5	47.5	47.5	48.3	48.3
177.5°	46.7	47.5	47.5	47.5	47.5
180°	47.5	47.5	47.5	47.5	47.5



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	540.1	592.8	728.0	686.2	636.4
110°	500.8	549.0	687.6	703.2	662.6



(END OF REPORT)