

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: P828110

Luminaire Tested: **OHBL-36SE-W-UNV-L935-CD-UPL36**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828110
REPORT IS A COMBINATION OF REPORTS P826322 AND G3-2310-221-2
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36SE-W-UNV-L935-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

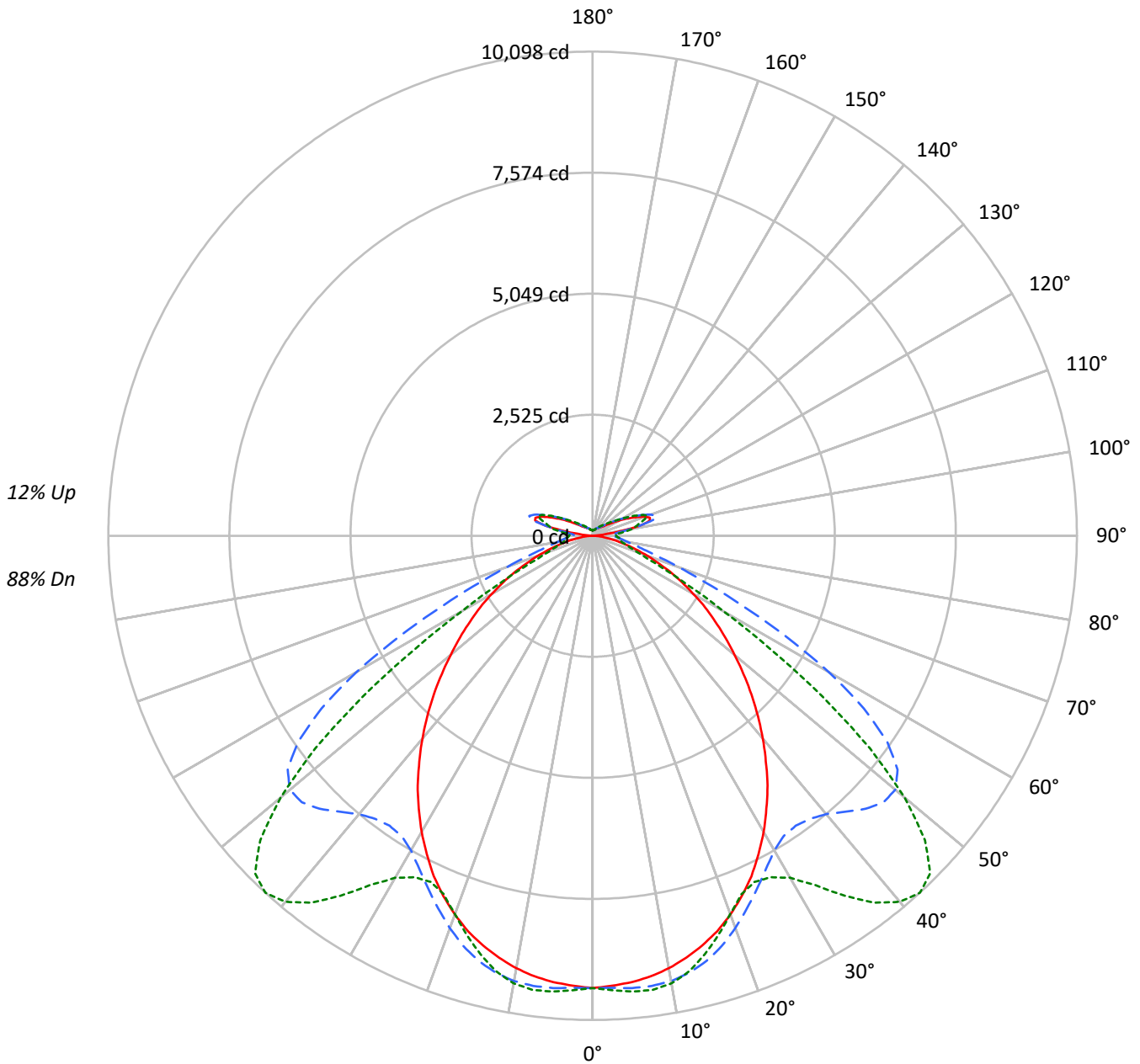
Lumens per Lamp: N/A
Luminaire Lumens: 31229.3 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 239.8
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

TEST NUMBER: P828110

CATALOG NUMBER: OHBL-36SE-W-UNV-L935-CD-UPL36

Luminous Intensity Polar Plot





TEST NUMBER: P828110

CATALOG NUMBER: OHBL-36SE-W-UNV-L935-CD-UPL36

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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88			88
1	107	102	98	94	103	99	95	92	92	89	87	87	84	82	81	79	78	75			75
2	97	89	83	77	94	86	81	76	81	76	72	76	72	69	72	68	66	63			63
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	63	59	56	53			53
4	81	69	61	54	78	67	60	53	63	57	52	60	54	50	56	52	48	45			45
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	45	41	39			39
6	69	56	47	40	66	54	46	40	51	44	39	48	42	37	46	40	36	34			34
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	42	36	32	30			30
8	59	46	37	31	57	44	36	31	42	35	30	40	34	29	38	33	28	26			26
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24			24
10	51	38	30	25	49	37	30	25	36	29	24	34	28	24	32	27	23	21			21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14918	14918	14918
5°	14717	14904	15088
10°	14471	14888	15106
15°	14127	14649	14622
20°	13681	14151	13906
25°	13106	13548	13627
30°	12365	13102	14664
35°	11531	13351	17159
40°	10577	14469	19837
45°	9586	16424	21323
50°	8559	18176	19843
55°	7593	18170	15161
60°	6612	15390	9270
65°	5585	10642	5615
70°	4441	6893	4054
75°	3271	4953	3759
80°	2224	4370	4241
85°	1346	4842	6704



TEST NUMBER: P828110

CATALOG NUMBER: OHBL-36SE-W-UNV-L935-CD-UPL36

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	901.4	2.9
10°-20°	2552.6	8.2
20°-30°	3735.3	12.0
30°-40°	4851.0	15.5
40°-50°	5923.7	19.0
50°-60°	5216.8	16.7
60°-70°	2718.5	8.7
70°-80°	1165.8	3.7
80°-90°	566.3	1.8
90°-100°	492.3	1.6
100°-110°	1201.9	3.8
110°-120°	956.1	3.1
120°-130°	459.3	1.5
130°-140°	232.3	0.7
140°-150°	133.1	0.4
150°-160°	75.0	0.2
160°-170°	36.7	0.1
170°-180°	11.2	0.0
0°-30°	7189.3	23.0
0°-40°	12040.3	38.6
0°-60°	23180.8	74.2
0°-90°	27631.4	88.5
90°-120°	2650.3	8.5
90°-150°	3474.9	11.1
90°-180°	3598.0	11.5
0°-180°	31229.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9433	9433	9433	9433	9433	
5°	9346	9417	9468	9551	9541	886
15°	8843	9091	9179	9109	9036	2490
25°	7835	8255	8114	7962	7970	3596
35°	6360	7032	7384	8611	9162	3964
45°	4683	5892	8053	9750	9954	3611
55°	3118	5161	7500	6576	5845	2798
65°	1789	3576	3433	1909	1642	1770
75°	720	1673	1103	755	716	786
85°	153	596	562	550	556	170
90°	9	257	423	483	494	15
95°	56	230	433	521	544	195
105°	1239	1300	1346	1089	1010	1178
115°	871	887	971	1004	999	880
125°	437	458	517	530	523	410
135°	262	268	295	320	323	207
145°	198	198	204	219	224	125
155°	163	165	164	166	166	74
165°	126	128	128	129	130	36
175°	115	115	116	116	117	11
180°	113	113	113	113	113	



TEST NUMBER: P828110

CATALOG NUMBER: OHBL-36SE-W-UNV-L935-CD-UPL36

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9433.0	9433.0	9433.0	9433.0	9433.0
2.5°	9392.3	9433.0	9435.1	9492.1	9485.9
5°	9345.5	9416.8	9467.7	9551.1	9540.9
7.5°	9268.2	9380.1	9469.7	9561.2	9553.1
10°	9158.2	9310.9	9429.0	9504.2	9479.8
12.5°	9015.8	9217.3	9333.3	9349.6	9302.8
15°	8842.8	9091.2	9178.7	9109.4	9036.2
17.5°	8647.5	8938.5	8969.0	8818.4	8726.8
20°	8403.2	8735.0	8704.4	8496.8	8395.1
22.5°	8132.6	8511.1	8413.4	8195.7	8098.0
25°	7835.4	8254.7	8114.3	7961.6	7969.8
27.5°	7487.4	7963.7	7827.3	7896.5	8026.8
30°	7133.2	7658.3	7574.9	7977.9	8234.3
32.5°	6744.6	7344.9	7420.2	8216.0	8635.2
35°	6359.9	7031.5	7383.6	8610.8	9162.3
37.5°	5934.6	6714.1	7442.7	9066.7	9644.7
40°	5521.4	6404.7	7576.9	9475.8	9964.2
42.5°	5100.2	6127.9	7802.8	9718.0	10098.5
45°	4682.9	5891.8	8053.2	9750.5	9954.0
47.5°	4265.8	5692.4	8226.2	9492.1	9398.4
50°	3862.8	5515.3	8238.4	8871.3	8488.8
52.5°	3486.2	5352.5	8014.5	7882.3	7288.0
55°	3117.9	5161.2	7499.6	6575.7	5845.0
57.5°	2782.1	4896.7	6705.9	5171.4	4373.6
60°	2425.9	4538.4	5680.2	3783.4	3154.5
62.5°	2098.2	4092.8	4530.3	2633.5	2267.2
65°	1788.9	3575.8	3433.3	1909.0	1642.4
67.5°	1461.2	3040.6	2533.8	1392.1	1221.1
70°	1204.8	2544.0	1886.6	1082.8	983.0
72.5°	942.3	2071.8	1410.4	879.2	824.2
75°	720.4	1672.9	1103.1	755.1	716.4
77.5°	531.2	1322.8	887.3	667.5	630.9
80°	372.4	1042.0	742.8	596.3	582.1
82.5°	250.3	805.9	632.9	567.8	569.8
85°	152.7	596.3	561.7	549.5	555.6
87.5°	73.3	423.3	482.3	500.7	506.8
90°	8.7	256.6	422.9	483.3	494.3
92.5°	20.8	214.8	389.8	458.6	473.8
95°	55.8	229.5	432.6	521.0	544.5
97.5°	315.8	438.8	555.4	665.0	691.1
100°	675.2	776.2	768.6	823.7	846.4
102.5°	1054.4	1141.8	1051.7	951.4	930.5
105°	1239.0	1299.6	1346.3	1089.2	1009.9



TEST NUMBER: P828110

CATALOG NUMBER: OHBL-36SE-W-UNV-L935-CD-UPL36

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1020.6	1059.7	1136.0	1161.2	1138.6
115°	870.6	887.3	971.3	1003.7	999.4
117.5°	748.4	762.5	836.3	857.4	850.2
120°	631.8	648.0	715.4	728.2	723.5
122.5°	525.9	547.8	608.5	622.6	613.8
125°	436.8	457.8	516.7	529.6	523.2
127.5°	374.8	381.8	438.2	454.3	456.4
130°	323.9	330.6	376.3	398.3	400.8
132.5°	288.9	295.6	332.3	355.2	361.8
135°	262.2	268.1	295.1	319.9	322.8
137.5°	240.6	245.6	264.8	289.3	294.3
140°	222.2	227.2	240.3	264.0	266.1
142.5°	209.2	212.2	222.5	241.2	243.3
145°	197.9	198.1	204.2	218.9	223.8
147.5°	187.9	189.2	193.4	202.4	205.3
150°	178.8	181.2	180.6	186.2	191.2
152.5°	170.4	172.9	172.2	173.1	177.9
155°	162.9	165.4	163.9	165.6	165.6
157.5°	140.0	142.5	145.0	145.8	145.8
160°	135.0	136.7	139.2	139.2	140.0
162.5°	130.0	131.7	133.3	134.2	135.0
165°	125.8	127.5	128.3	129.2	130.0
167.5°	122.5	123.3	124.2	125.0	125.0
170°	119.2	120.0	120.8	120.8	121.7
172.5°	116.7	117.5	118.3	118.3	118.3
175°	115.0	115.0	115.8	115.8	116.7
177.5°	113.3	114.2	114.2	114.2	115.0
180°	113.3	113.3	113.3	113.3	113.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1252.7	1308.1	1385.9	1275.6	1134.6
110°	1156.8	1212.4	1288.9	1274.0	1212.2



(END OF REPORT)