

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: P828106

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828106
REPORT IS A COMBINATION OF REPORTS P826320 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-N-UNV-L935-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

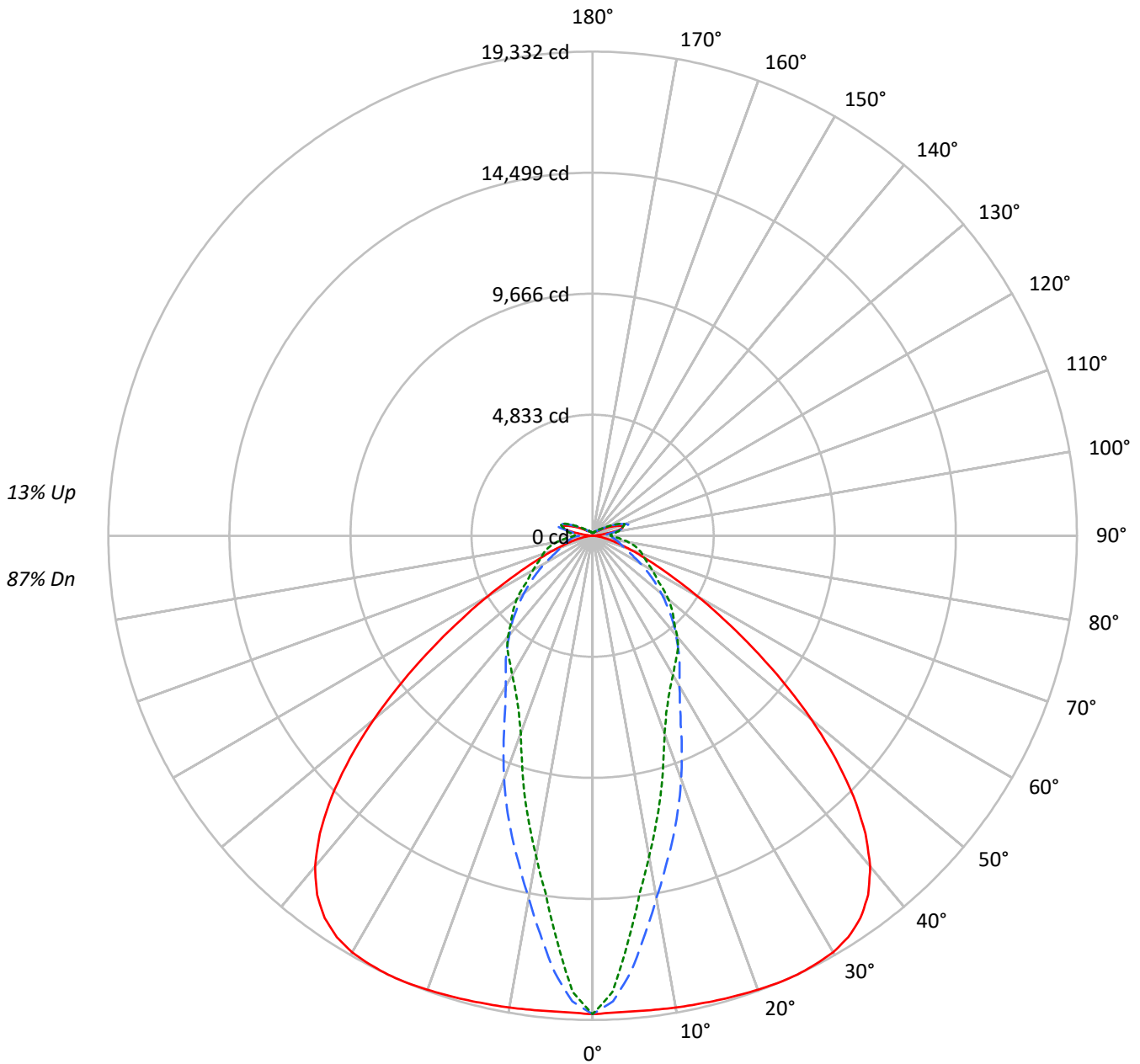
Lumens per Lamp: N/A
Luminaire Lumens: 31170.9 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

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

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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	50	30	10	0		
RCR																										
0	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	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	69	67	64								
3	90	81	73	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	53	59	55	51	49								
5	77	66	58	52	74	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	39	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°	30202	30202	30202
5°	30014	27517	25697
10°	30224	23189	20706
15°	30682	19841	17079
20°	31403	16784	13885
25°	32337	13900	12232
30°	33287	11981	11429
35°	33794	10925	10957
40°	33014	9874	10468
45°	30163	8930	9769
50°	25244	7896	9254
55°	18997	6922	8326
60°	13154	5944	8081
65°	8710	5127	8053
70°	5822	4821	8658
75°	3912	4987	9594
80°	2551	5549	10501
85°	1329	7004	12522



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1607.6	5.2
10°-20°	3781.8	12.1
20°-30°	4740.4	15.2
30°-40°	5030.1	16.1
40°-50°	4548.0	14.6
50°-60°	3297.6	10.6
60°-70°	2069.4	6.6
70°-80°	1369.5	4.4
80°-90°	795.3	2.6
90°-100°	611.5	2.0
100°-110°	1302.2	4.2
110°-120°	1022.2	3.3
120°-130°	485.6	1.6
130°-140°	242.2	0.8
140°-150°	140.2	0.4
150°-160°	79.2	0.3
160°-170°	36.7	0.1
170°-180°	11.2	0.0
0°-30°	10129.8	32.5
0°-40°	15159.9	48.6
0°-60°	23005.6	73.8
0°-90°	27239.8	87.4
90°-120°	2935.9	9.4
90°-150°	3803.9	12.2
90°-180°	3931.0	12.6
0°-180°	31170.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19097	19097	19097	19097	19097	
5°	19059	18570	17480	16669	16249	###
15°	19205	15653	12432	11056	10555	5446
25°	19332	12103	8325	7388	7154	8931
35°	18639	8046	6042	5853	5851	11587
45°	14735	5096	4379	4484	4560	11225
55°	7801	3159	2857	3099	3210	7049
65°	2790	1832	1654	2119	2356	2903
75°	862	987	1111	1725	1828	960
85°	151	409	812	1130	1038	181
90°	7	212	523	723	730	14
95°	59	223	552	738	777	199
105°	1245	1308	1457	1259	1187	1185
115°	878	903	1057	1114	1111	887
125°	444	467	551	571	561	417
135°	268	278	308	336	337	212
145°	204	210	217	234	233	129
155°	168	176	181	184	181	75
165°	126	128	128	129	130	36
175°	115	115	116	116	117	11
180°	113	113	113	113	113	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19097.4	19097.4	19097.4	19097.4	19097.4
2.5°	19057.4	18948.3	18608.5	18401.2	18226.8
5°	19059.2	18570.3	17479.8	16669.1	16249.2
7.5°	19086.5	17999.6	16034.8	14851.5	14389.8
10°	19128.3	17292.5	14686.1	13424.8	12993.9
12.5°	19159.2	16496.4	13499.2	12203.2	11730.8
15°	19204.7	15653.1	12432.3	11056.4	10554.8
17.5°	19246.4	14858.8	11378.1	9940.4	9382.4
20°	19288.3	14002.7	10323.9	8842.6	8382.8
22.5°	19328.3	13099.3	9295.2	7990.1	7675.7
25°	19331.8	12103.3	8324.6	7388.5	7154.0
27.5°	19284.6	11070.9	7537.5	6885.0	6739.6
30°	19202.8	10069.4	6926.8	6521.5	6417.9
32.5°	18999.2	9047.9	6454.3	6170.8	6110.8
35°	18639.3	8046.5	6041.7	5852.7	5850.8
37.5°	18072.2	7157.7	5594.5	5561.8	5601.8
40°	17234.4	6379.8	5171.0	5258.2	5258.2
42.5°	16116.6	5703.6	4787.5	4876.6	4853.0
45°	14735.2	5096.5	4378.6	4484.0	4560.3
47.5°	13133.9	4562.2	3960.5	4164.1	4269.5
50°	11392.7	4053.2	3578.8	3838.8	3958.8
52.5°	9567.8	3582.5	3206.2	3504.3	3600.7
55°	7801.1	3159.0	2857.2	3099.0	3209.8
57.5°	6201.6	2755.5	2515.6	2744.6	2973.6
60°	4825.7	2408.3	2193.8	2521.0	2750.0
62.5°	3686.1	2099.3	1892.1	2312.0	2541.0
65°	2790.0	1832.2	1654.0	2119.3	2355.6
67.5°	2102.9	1601.3	1468.6	1979.3	2210.2
70°	1579.5	1377.8	1319.6	1892.1	2099.3
72.5°	1166.9	1172.3	1201.4	1815.8	1973.9
75°	861.5	986.9	1110.6	1724.9	1828.5
77.5°	616.2	817.9	1028.8	1615.8	1652.2
80°	427.2	667.1	943.3	1472.2	1441.3
82.5°	267.2	534.3	867.0	1314.1	1228.7
85°	150.8	408.9	812.5	1130.5	1037.8
87.5°	67.2	305.3	710.7	881.5	823.3
90°	6.7	211.7	523.2	723.4	729.7
92.5°	24.5	191.8	498.6	687.1	710.2
95°	58.9	223.3	551.9	738.4	777.3
97.5°	320.8	440.4	679.8	871.0	912.8
100°	680.1	781.2	890.6	1018.3	1053.2
102.5°	1061.1	1149.8	1169.0	1133.0	1122.6
105°	1245.3	1308.3	1456.8	1259.0	1186.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1026.5	1072.7	1228.8	1285.5	1267.9
115°	878.3	903.0	1056.9	1113.7	1110.8
117.5°	756.0	774.9	910.6	952.8	945.4
120°	639.3	661.1	778.5	805.0	798.3
122.5°	533.5	559.7	656.4	679.0	666.3
125°	444.3	466.6	551.1	570.8	560.8
127.5°	382.5	391.2	462.8	484.1	482.3
130°	331.7	342.0	394.8	421.8	420.2
132.5°	294.8	305.2	346.2	374.2	376.7
135°	268.2	277.7	307.9	335.9	336.8
137.5°	246.5	257.0	276.5	304.3	305.2
140°	228.2	236.8	252.8	277.8	277.8
142.5°	215.0	221.8	233.2	253.9	253.9
145°	203.5	209.5	217.2	234.3	233.3
147.5°	193.5	200.4	206.4	216.3	215.3
150°	184.3	192.2	195.6	202.8	201.8
152.5°	176.0	183.9	187.2	191.8	190.8
155°	168.5	176.4	180.8	184.2	180.6
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°	1257.0	1319.5	1491.2	1428.1	1295.8
110°	1163.0	1224.8	1391.0	1410.8	1357.6



(END OF REPORT)