

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: P828702

Luminaire Tested: **OHBL-36SE-MCL-UNV-L950-CD-UPL36**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828702
REPORT IS A COMBINATION OF REPORTS P826318 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-MCL-UNV-L950-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

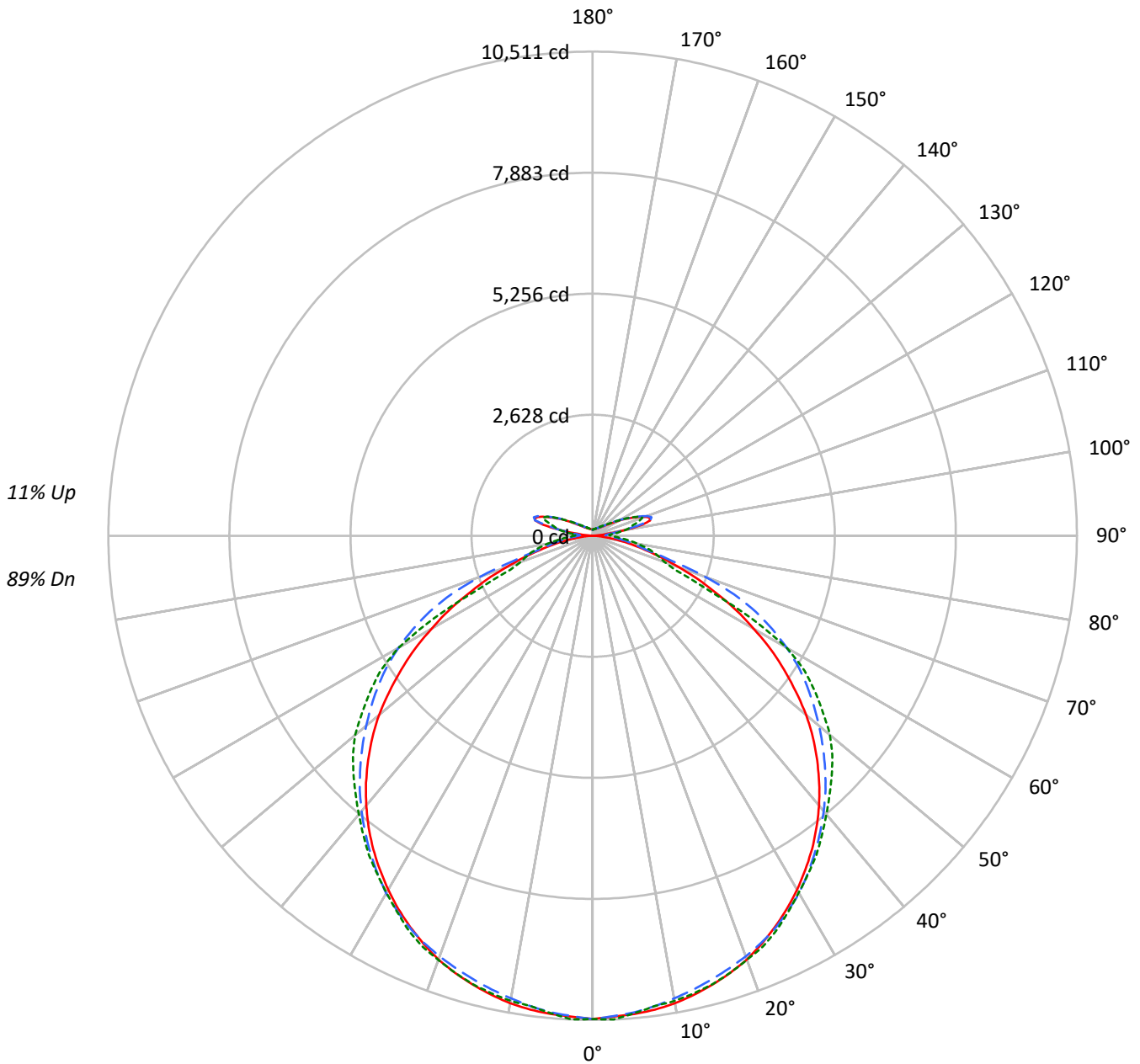
Lumens per Lamp: N/A
Luminaire Lumens: 32764.1 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

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	0
RCR																					
0	117	117	117	117	113	113	113	113	105	105	105	99	99	99	92	92	92	89			
1	107	102	98	94	103	99	95	92	93	90	87	87	85	83	82	80	78	76			
2	97	89	83	77	94	87	81	76	81	76	72	77	73	69	72	69	66	63			
3	89	79	71	64	85	76	69	63	72	66	61	68	63	58	64	60	56	54			
4	81	70	61	55	78	68	60	54	64	57	52	60	55	50	57	52	48	46			
5	75	62	53	47	72	60	52	46	57	50	45	54	48	43	51	46	42	40			
6	69	56	47	41	66	54	46	40	52	44	39	49	43	38	46	41	37	35			
7	64	51	42	36	61	49	41	36	47	40	35	44	38	34	42	37	33	31			
8	59	46	38	32	57	45	37	32	43	36	31	41	35	30	39	33	29	27			
9	55	42	34	29	53	41	34	28	39	32	28	37	31	27	36	30	26	24			
10	52	39	31	26	50	38	31	26	36	30	25	35	29	24	33	28	24	22			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16590	16590	16590
5°	16412	16349	16453
10°	16283	16101	16339
15°	16110	15916	16300
20°	15936	15799	16228
25°	15670	15682	16160
30°	15384	15497	15934
35°	15054	15203	15851
40°	14644	14899	15714
45°	14105	14548	15719
50°	13403	14148	15721
55°	12348	13755	15281
60°	11002	13179	14298
65°	9291	12111	9205
70°	7324	9454	6819
75°	5317	5612	7147
80°	3505	4667	7205
85°	1778	4276	7576



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	989.1	3.0
10°-20°	2836.3	8.7
20°-30°	4332.0	13.2
30°-40°	5256.2	16.0
40°-50°	5509.0	16.8
50°-60°	4992.0	15.2
60°-70°	3346.9	10.2
70°-80°	1502.9	4.6
80°-90°	552.1	1.7
90°-100°	403.3	1.2
100°-110°	1160.8	3.5
110°-120°	935.5	2.9
120°-130°	445.8	1.4
130°-140°	229.6	0.7
140°-150°	135.5	0.4
150°-160°	81.0	0.2
160°-170°	43.0	0.1
170°-180°	13.2	0.0
0°-30°	8157.4	24.9
0°-40°	13413.6	40.9
0°-60°	23914.5	73.0
0°-90°	29316.4	89.5
90°-120°	2499.6	7.6
90°-150°	3310.5	10.1
90°-180°	3448.0	10.5
0°-180°	32764.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10490	10490	10490	10490	10490	
5°	10422	10458	10385	10417	10404	991
15°	10084	10044	9973	10061	10073	2847
25°	9368	9327	9392	9478	9451	4318
35°	8303	8323	8408	8497	8464	5190
45°	6891	7003	7133	7316	7338	5308
55°	5071	5315	5677	5905	5891	4526
65°	2976	3442	3907	3298	2692	2965
75°	1171	1699	1250	1279	1362	1280
85°	202	387	496	599	628	246
90°	8	172	311	384	400	17
95°	55	188	319	396	416	203
105°	1290	1316	1292	1001	919	1228
115°	908	902	934	952	947	917
125°	451	469	494	491	484	425
135°	274	282	291	301	303	217
145°	203	209	213	218	220	130
155°	168	172	175	177	175	79
165°	148	150	151	152	152	42
175°	137	137	136	134	135	13
180°	133	133	133	133	133	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10490.1	10490.1	10490.1	10490.1	10490.1
2.5°	10447.7	10491.7	10437.1	10496.2	10511.3
5°	10421.9	10458.3	10385.4	10417.3	10403.7
7.5°	10374.8	10387.0	10300.5	10326.3	10299.0
10°	10305.1	10299.0	10197.4	10247.4	10253.5
12.5°	10202.0	10183.7	10092.7	10168.6	10170.1
15°	10083.6	10044.2	9972.9	10060.9	10073.0
17.5°	9947.1	9895.6	9848.5	9962.3	9944.1
20°	9787.9	9727.2	9718.0	9842.5	9797.0
22.5°	9590.7	9543.6	9564.8	9683.2	9654.4
25°	9367.7	9326.7	9392.0	9478.4	9451.1
27.5°	9132.6	9108.3	9182.6	9249.4	9196.3
30°	8874.8	8861.1	8959.7	9014.3	8947.5
32.5°	8594.1	8598.7	8692.7	8767.0	8704.9
35°	8302.9	8322.7	8407.5	8497.1	8463.7
37.5°	7982.9	8026.9	8111.8	8213.4	8178.5
40°	7644.6	7708.3	7802.4	7925.2	7893.3
42.5°	7279.1	7359.5	7480.8	7617.3	7614.2
45°	6890.8	7003.0	7133.4	7315.5	7338.2
47.5°	6487.3	6613.2	6778.5	7021.2	7056.2
50°	6049.0	6206.7	6413.0	6704.2	6725.4
52.5°	5560.5	5776.0	6049.0	6328.1	6302.3
55°	5070.6	5314.8	5677.4	5904.8	5891.2
57.5°	4582.2	4856.8	5296.7	5458.9	5457.4
60°	4036.2	4383.6	4864.4	4987.2	4865.8
62.5°	3531.1	3904.2	4403.2	4313.7	3898.2
65°	2975.9	3441.6	3907.3	3297.5	2692.3
67.5°	2483.0	2968.4	3318.8	2258.5	1933.9
70°	1987.0	2522.4	2587.6	1676.0	1653.3
72.5°	1547.1	2117.4	1785.2	1434.8	1507.7
75°	1171.0	1698.8	1249.8	1278.7	1362.1
77.5°	854.0	1304.4	972.3	1120.9	1189.1
80°	587.0	923.7	793.3	942.0	988.9
82.5°	368.6	609.7	635.6	758.4	806.9
85°	201.7	386.8	496.0	599.1	627.9
87.5°	83.5	233.6	379.2	462.6	486.9
90°	8.4	171.5	311.1	384.1	400.2
92.5°	23.2	150.8	276.2	342.8	358.6
95°	55.4	188.2	319.4	396.5	416.5
97.5°	328.2	413.2	450.5	540.0	567.0
100°	702.7	769.5	678.4	708.6	730.5
102.5°	1099.8	1151.0	979.5	849.5	828.0
105°	1290.3	1316.4	1291.5	1001.1	918.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1062.6	1075.9	1096.6	1106.8	1082.0
115°	907.7	901.5	934.3	952.5	946.8
117.5°	778.2	772.4	802.1	807.8	801.3
120°	656.4	657.9	686.3	681.7	676.3
122.5°	546.0	558.2	580.9	579.8	570.0
125°	451.4	468.6	494.2	490.9	483.8
127.5°	390.4	395.6	419.9	420.0	421.6
130°	337.3	345.8	362.9	370.7	369.0
132.5°	302.3	310.7	324.0	332.7	335.3
135°	274.5	282.0	290.6	300.7	303.2
137.5°	253.4	258.6	263.8	275.8	278.1
140°	234.2	239.4	243.2	252.7	254.2
142.5°	217.1	223.8	226.7	233.8	235.4
145°	203.2	209.0	213.4	217.5	219.9
147.5°	194.2	197.7	202.1	202.9	205.4
150°	184.7	187.3	190.8	192.5	193.4
152.5°	176.0	178.6	182.1	182.9	183.8
155°	168.2	172.3	174.9	176.7	175.1
157.5°	161.2	165.4	168.0	168.8	168.8
160°	156.0	159.3	161.9	161.9	162.8
162.5°	152.3	154.1	155.8	156.7	157.5
165°	148.0	149.7	150.6	151.5	152.3
167.5°	144.5	146.8	146.2	147.1	147.1
170°	141.0	141.9	142.8	141.2	142.1
172.5°	138.4	139.3	140.2	138.6	138.6
175°	136.7	136.7	136.0	134.5	135.4
177.5°	136.4	135.8	134.2	132.8	132.2
180°	133.4	133.4	133.4	133.4	133.4



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1303.9	1327.7	1342.0	1205.8	1057.6
110°	1205.5	1231.9	1249.8	1213.9	1148.3



(END OF REPORT)