

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: P828410

Luminaire Tested: **OHBL-36SE-W-UNV-L940-CD-UPL36**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P828410
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-L940-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

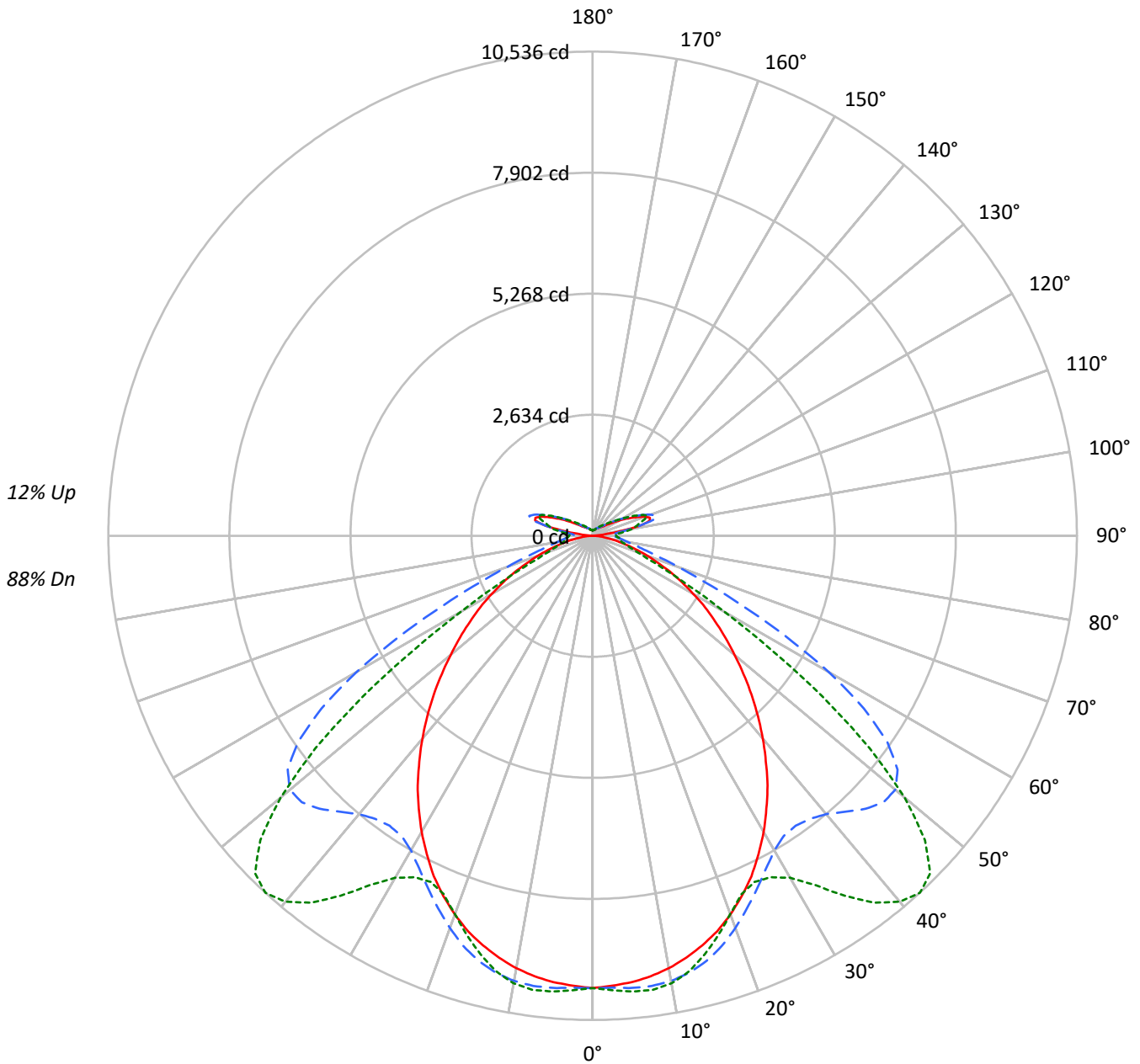
Lumens per Lamp: N/A
Luminaire Lumens: 32582.5 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15565	15565	15565
5°	15355	15550	15742
10°	15098	15533	15761
15°	14740	15283	15255
20°	14274	14765	14508
25°	13675	14136	14217
30°	12901	13669	15299
35°	12031	13930	17903
40°	11035	15096	20697
45°	10001	17135	22246
50°	8930	18963	20703
55°	7922	18957	15818
60°	6899	16056	9671
65°	5827	11103	5859
70°	4633	7191	4230
75°	3413	5168	3922
80°	2320	4559	4425
85°	1404	5052	6994



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	940.5	2.9
10°-20°	2663.2	8.2
20°-30°	3897.1	12.0
30°-40°	5061.2	15.5
40°-50°	6180.4	19.0
50°-60°	5442.8	16.7
60°-70°	2836.3	8.7
70°-80°	1216.3	3.7
80°-90°	590.8	1.8
90°-100°	513.6	1.6
100°-110°	1254.0	3.8
110°-120°	997.5	3.1
120°-130°	479.2	1.5
130°-140°	242.4	0.7
140°-150°	138.8	0.4
150°-160°	78.3	0.2
160°-170°	38.3	0.1
170°-180°	11.7	0.0
0°-30°	7500.8	23.0
0°-40°	12562.1	38.6
0°-60°	24185.3	74.2
0°-90°	28828.7	88.5
90°-120°	2765.1	8.5
90°-150°	3625.5	11.1
90°-180°	3754.0	11.5
0°-180°	32582.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9842	9842	9842	9842	9842	
5°	9750	9825	9878	9965	9954	925
15°	9226	9485	9576	9504	9428	2598
25°	8175	8612	8466	8307	8315	3752
35°	6636	7336	7704	8984	9559	4136
45°	4886	6147	8402	10173	10385	3767
55°	3253	5385	7825	6861	6098	2919
65°	1866	3731	3582	1992	1714	1847
75°	752	1745	1151	788	748	820
85°	159	622	586	573	580	178
90°	9	268	441	504	516	16
95°	58	239	451	544	568	204
105°	1293	1356	1405	1136	1054	1230
115°	908	926	1013	1047	1043	918
125°	456	478	539	552	546	428
135°	274	280	308	334	337	216
145°	206	207	213	228	234	131
155°	170	173	171	173	173	77
165°	131	133	134	135	136	38
175°	120	120	121	121	122	12
180°	118	118	118	118	118	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9841.8	9841.8	9841.8	9841.8	9841.8
2.5°	9799.3	9841.8	9843.9	9903.4	9897.0
5°	9750.5	9824.8	9877.9	9965.0	9954.4
7.5°	9669.8	9786.6	9880.0	9975.6	9967.1
10°	9555.1	9714.4	9837.6	9916.1	9890.6
12.5°	9406.5	9616.8	9737.8	9754.7	9705.9
15°	9226.0	9485.1	9576.4	9504.2	9427.7
17.5°	9022.2	9325.8	9357.7	9200.5	9105.0
20°	8767.4	9113.5	9081.6	8865.0	8758.9
22.5°	8485.0	8879.9	8778.0	8550.8	8448.9
25°	8175.0	8612.4	8465.9	8306.6	8315.1
27.5°	7811.9	8308.8	8166.4	8238.7	8374.6
30°	7442.4	7990.2	7903.2	8323.6	8591.2
32.5°	7036.8	7663.2	7741.8	8572.0	9009.4
35°	6635.5	7336.2	7703.5	8984.0	9559.4
37.5°	6191.7	7005.0	7765.2	9459.6	10062.6
40°	5760.7	6682.2	7905.2	9886.4	10396.0
42.5°	5321.2	6393.5	8141.0	10139.1	10536.1
45°	4885.8	6147.1	8402.1	10173.0	10385.3
47.5°	4450.6	5939.1	8582.6	9903.4	9805.7
50°	4030.1	5754.3	8595.4	9255.8	8856.6
52.5°	3637.3	5584.4	8361.8	8223.8	7603.8
55°	3253.0	5384.8	7824.6	6860.6	6098.3
57.5°	2902.6	5108.9	6996.5	5395.5	4563.1
60°	2531.0	4735.1	5926.3	3947.4	3291.2
62.5°	2189.2	4270.1	4726.6	2747.6	2365.4
65°	1866.4	3730.8	3582.1	1991.7	1713.6
67.5°	1524.6	3172.3	2643.6	1452.4	1274.0
70°	1257.0	2654.2	1968.3	1129.7	1025.6
72.5°	983.1	2161.6	1471.5	917.3	860.0
75°	751.6	1745.4	1150.9	787.8	747.5
77.5°	554.2	1380.2	925.8	696.4	658.3
80°	388.6	1087.2	775.0	622.2	607.3
82.5°	261.2	840.8	660.3	592.4	594.5
85°	159.3	622.2	586.0	573.3	579.7
87.5°	76.4	441.7	503.2	522.4	528.7
90°	9.0	267.7	441.2	504.3	515.8
92.5°	21.7	224.1	406.7	478.5	494.3
95°	58.2	239.4	451.3	543.6	568.1
97.5°	329.4	457.8	579.5	693.8	721.0
100°	704.5	809.9	801.9	859.4	883.1
102.5°	1100.1	1191.3	1097.2	992.6	970.8
105°	1292.7	1355.9	1404.7	1136.4	1053.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1064.8	1105.6	1185.2	1211.5	1187.9
115°	908.3	925.8	1013.4	1047.2	1042.7
117.5°	780.8	795.5	872.6	894.6	887.1
120°	659.1	676.1	746.4	759.7	754.9
122.5°	548.7	571.5	634.9	649.6	640.4
125°	455.7	477.7	539.1	552.5	545.9
127.5°	391.0	398.3	457.2	474.0	476.2
130°	338.0	344.9	392.6	415.6	418.1
132.5°	301.4	308.4	346.7	370.6	377.5
135°	273.6	279.7	307.9	333.8	336.8
137.5°	251.0	256.2	276.2	301.9	307.0
140°	231.9	237.1	250.7	275.4	277.6
142.5°	218.3	221.4	232.1	251.7	253.9
145°	206.5	206.7	213.1	228.4	233.5
147.5°	196.1	197.5	201.8	211.2	214.1
150°	186.5	189.1	188.4	194.3	199.5
152.5°	177.8	180.4	179.7	180.6	185.6
155°	170.0	172.6	171.0	172.8	172.8
157.5°	146.1	148.7	151.3	152.2	152.2
160°	140.8	142.6	145.2	145.2	146.1
162.5°	135.6	137.4	139.1	140.0	140.8
165°	131.3	133.0	133.9	134.8	135.6
167.5°	127.8	128.7	129.5	130.4	130.4
170°	124.3	125.2	126.1	126.1	126.9
172.5°	121.7	122.6	123.5	123.5	123.5
175°	120.0	120.0	120.9	120.9	121.7
177.5°	118.2	119.1	119.1	119.1	120.0
180°	118.2	118.2	118.2	118.2	118.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1306.9	1364.8	1446.0	1330.9	<i>1183.7</i>
110°	1207.0	1265.0	1344.8	1329.2	<i>1264.8</i>



(END OF REPORT)