

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: P828689

Luminaire Tested: **OHBL-36HE-MCL-UNV-L950-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828689
REPORT IS A COMBINATION OF REPORTS P826168 AND G3-2310-221-8
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-MCL-UNV-L950-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

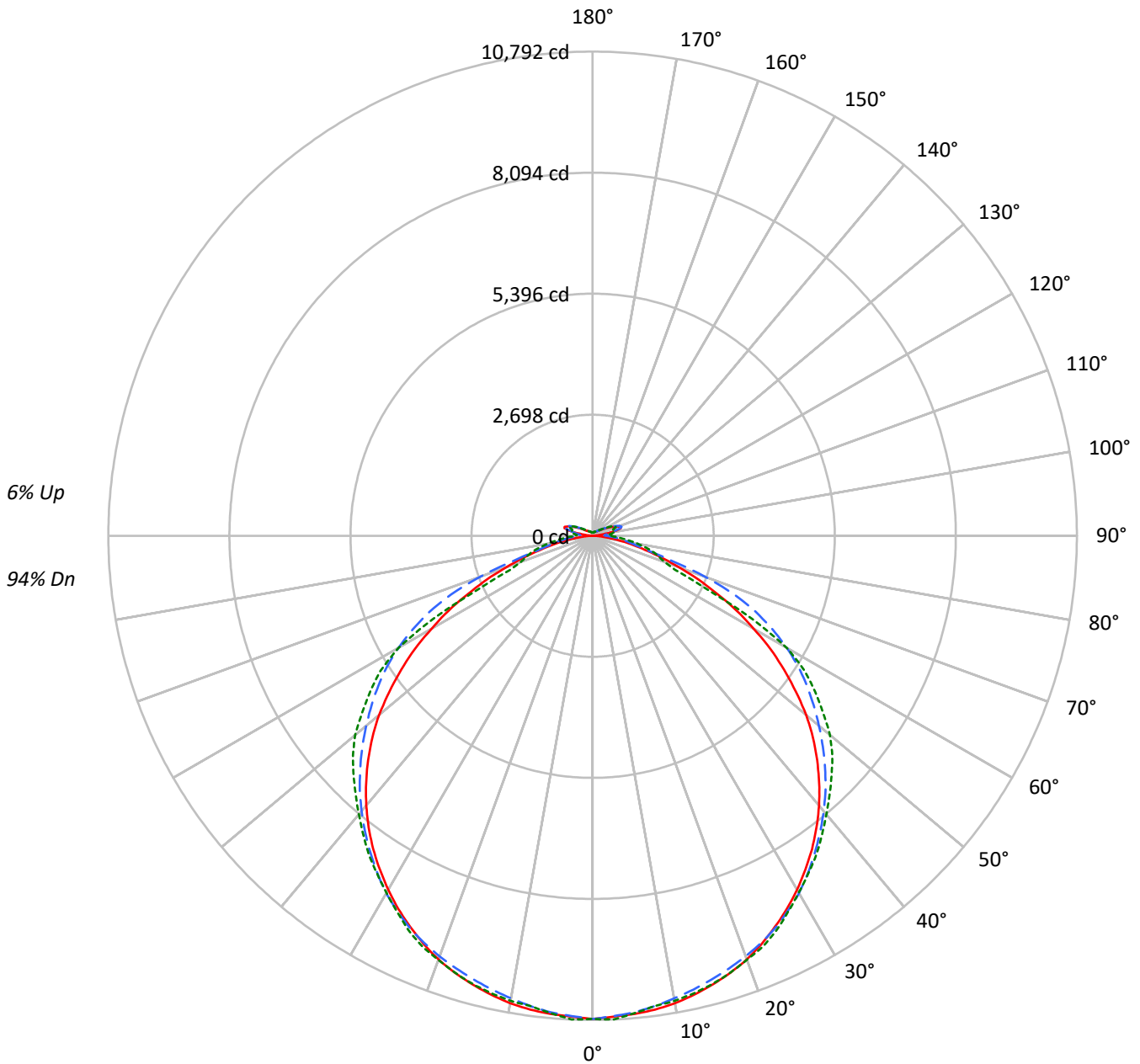
Lumens per Lamp: N/A
Luminaire Lumens: 31997.2 lumens
Efficiency: N/A
Efficacy: 142.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 224.3
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94																			
1	108	103	99	95	104	100	97	93	95	92	89	90	88	85	86	84	82	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	67																			
3	90	79	71	65	87	77	70	64	74	67	62	70	65	60	67	62	59	56																			
4	82	70	62	55	79	69	61	54	65	59	53	62	56	52	60	55	50	48																			
5	75	63	54	47	73	61	53	47	59	51	46	56	50	45	54	48	44	42																			
6	70	56	48	41	67	55	47	41	53	46	40	51	44	39	49	43	39	36																			
7	64	51	43	36	62	50	42	36	48	41	35	46	40	35	44	39	34	32																			
8	60	47	38	32	58	46	38	32	44	37	32	42	36	31	41	35	31	29																			
9	56	43	35	29	54	42	34	29	40	33	28	39	33	28	37	32	28	26																			
10	52	39	32	26	51	39	31	26	37	30	26	36	30	25	35	29	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17033	17033	17033
5°	16850	16785	16892
10°	16717	16531	16775
15°	16540	16341	16735
20°	16361	16221	16660
25°	16088	16100	16591
30°	15794	15910	16359
35°	15455	15609	16274
40°	15035	15297	16134
45°	14482	14936	16139
50°	13761	14526	16141
55°	12677	14122	15689
60°	11295	13531	14680
65°	9539	12434	9450
70°	7519	9707	7001
75°	5459	5762	7337
80°	3599	4791	7397
85°	1826	4390	7779



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1015.5	3.2
10°-20°	2912.0	9.1
20°-30°	4447.6	13.9
30°-40°	5396.4	16.9
40°-50°	5656.0	17.7
50°-60°	5125.2	16.0
60°-70°	3436.2	10.7
70°-80°	1543.0	4.8
80°-90°	563.8	1.8
90°-100°	317.4	1.0
100°-110°	596.5	1.9
110°-120°	484.0	1.5
120°-130°	235.3	0.7
130°-140°	121.7	0.4
140°-150°	72.0	0.2
150°-160°	43.7	0.1
160°-170°	23.6	0.1
170°-180°	7.2	0.0
0°-30°	8375.1	26.2
0°-40°	13771.5	43.0
0°-60°	24552.6	76.7
0°-90°	30095.7	94.1
90°-120°	1398.0	4.4
90°-150°	1827.0	5.7
90°-180°	1901.0	5.9
0°-180°	31997.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10770	10770	10770	10770	10770	
5°	10700	10737	10663	10695	10681	###
15°	10353	10312	10239	10329	10342	2923
25°	9618	9576	9643	9731	9703	4433
35°	8524	8545	8632	8724	8690	5328
45°	7075	7190	7324	7511	7534	5450
55°	5206	5457	5829	6062	6048	4647
65°	3055	3533	4012	3386	2764	3044
75°	1202	1744	1283	1313	1398	1314
85°	207	397	509	615	645	253
90°	5	154	293	369	389	15
95°	35	154	293	365	392	106
105°	650	674	633	491	466	618
115°	458	470	496	503	505	461
125°	228	240	262	266	266	215
135°	143	147	153	162	165	113
145°	108	111	114	116	118	69
155°	90	94	94	95	94	42
165°	82	82	82	83	83	23
175°	75	75	75	73	73	7
180°	74	74	74	74	74	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10770.1	10770.1	10770.1	10770.1	10770.1
2.5°	10726.4	10771.6	10715.6	10776.2	10791.9
5°	10700.0	10737.4	10662.6	10695.3	10681.3
7.5°	10651.7	10664.2	10575.4	10601.8	10573.8
10°	10580.1	10573.8	10469.5	10520.9	10527.1
12.5°	10474.2	10455.5	10362.0	10439.9	10441.5
15°	10352.7	10312.2	10239.0	10329.3	10341.8
17.5°	10212.6	10159.6	10111.3	10228.1	10209.5
20°	10049.0	9986.7	9977.4	10105.1	10058.3
22.5°	9846.6	9798.3	9820.1	9941.6	9912.0
25°	9617.7	9575.6	9642.6	9731.3	9703.3
27.5°	9376.3	9351.4	9427.6	9496.2	9441.7
30°	9111.5	9097.5	9198.8	9254.8	9186.3
32.5°	8823.5	8828.2	8924.7	9001.0	8937.1
35°	8524.5	8544.7	8631.9	8723.8	8689.6
37.5°	8195.9	8241.0	8328.2	8432.6	8396.7
40°	7848.6	7914.0	8010.5	8136.7	8104.0
42.5°	7473.3	7555.8	7680.4	7820.6	7817.4
45°	7074.7	7189.9	7323.9	7510.7	7534.1
47.5°	6660.5	6789.7	6959.4	7208.6	7244.4
50°	6210.4	6372.3	6584.1	6883.1	6905.0
52.5°	5708.9	5930.0	6210.4	6496.9	6470.4
55°	5206.0	5456.6	5828.8	6062.5	6048.4
57.5°	4704.5	4986.4	5437.9	5604.6	5603.0
60°	4143.9	4500.5	4994.2	5120.2	4995.7
62.5°	3625.3	4008.4	4520.8	4428.9	4002.1
65°	3055.3	3533.4	4011.5	3385.5	2764.1
67.5°	2549.2	3047.6	3407.3	2318.8	1985.6
70°	2040.0	2589.7	2656.7	1720.8	1697.4
72.5°	1588.4	2174.0	1832.9	1473.2	1548.0
75°	1202.2	1744.1	1283.2	1312.8	1398.4
77.5°	876.7	1339.2	998.2	1150.8	1220.9
80°	602.7	948.4	814.4	967.1	1015.3
82.5°	378.4	626.0	652.5	778.7	828.5
85°	207.1	397.1	509.2	615.1	644.7
87.5°	85.6	239.8	389.3	475.0	499.8
90°	5.0	154.1	292.7	369.3	389.2
92.5°	12.9	129.9	262.7	332.4	350.2
95°	34.6	153.8	292.8	364.7	391.9
97.5°	172.7	250.6	358.0	427.4	447.5
100°	354.2	421.4	433.9	475.2	485.1
102.5°	553.1	589.7	500.6	484.2	483.6
105°	650.5	674.0	633.0	490.9	466.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	534.3	548.7	569.4	569.5	550.9
115°	458.5	469.9	495.5	502.8	505.1
117.5°	392.4	398.1	423.2	430.8	434.8
120°	329.8	337.4	361.2	366.4	366.2
122.5°	277.6	285.4	306.9	312.1	312.0
125°	228.2	240.2	261.9	265.7	265.5
127.5°	196.8	204.6	224.9	228.7	228.5
130°	172.4	180.1	193.1	200.1	201.0
132.5°	157.5	161.6	171.5	178.6	180.3
135°	142.7	146.8	152.8	162.3	164.7
137.5°	132.9	135.5	139.0	148.6	151.0
140°	123.4	126.0	127.0	135.0	137.5
142.5°	114.0	118.2	119.2	124.8	127.2
145°	107.9	111.2	113.8	116.2	117.8
147.5°	103.4	105.1	106.9	108.6	110.2
150°	98.2	99.9	101.6	102.5	103.4
152.5°	94.7	95.6	97.3	98.2	98.2
155°	90.3	93.6	94.5	95.4	93.8
157.5°	87.7	90.2	91.0	91.9	91.9
160°	85.1	86.7	87.6	88.4	88.4
162.5°	84.1	84.1	84.9	85.8	85.8
165°	81.5	82.3	82.3	83.2	83.2
167.5°	79.7	81.3	80.6	80.6	81.5
170°	78.0	78.0	78.9	77.3	77.3
172.5°	76.3	77.1	77.1	75.6	75.6
175°	75.4	75.4	74.7	73.1	73.1
177.5°	76.1	75.4	73.8	72.3	70.7
180°	73.8	73.8	73.8	73.8	73.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	658.2	679.9	676.3	557.9	485.4
110°	604.9	627.5	640.3	602.2	545.2



(END OF REPORT)