

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: P828091

Luminaire Tested: **OHBL-36HE-MFL-UNV-L935-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828091
REPORT IS A COMBINATION OF REPORTS P826169 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-MFL-UNV-L935-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

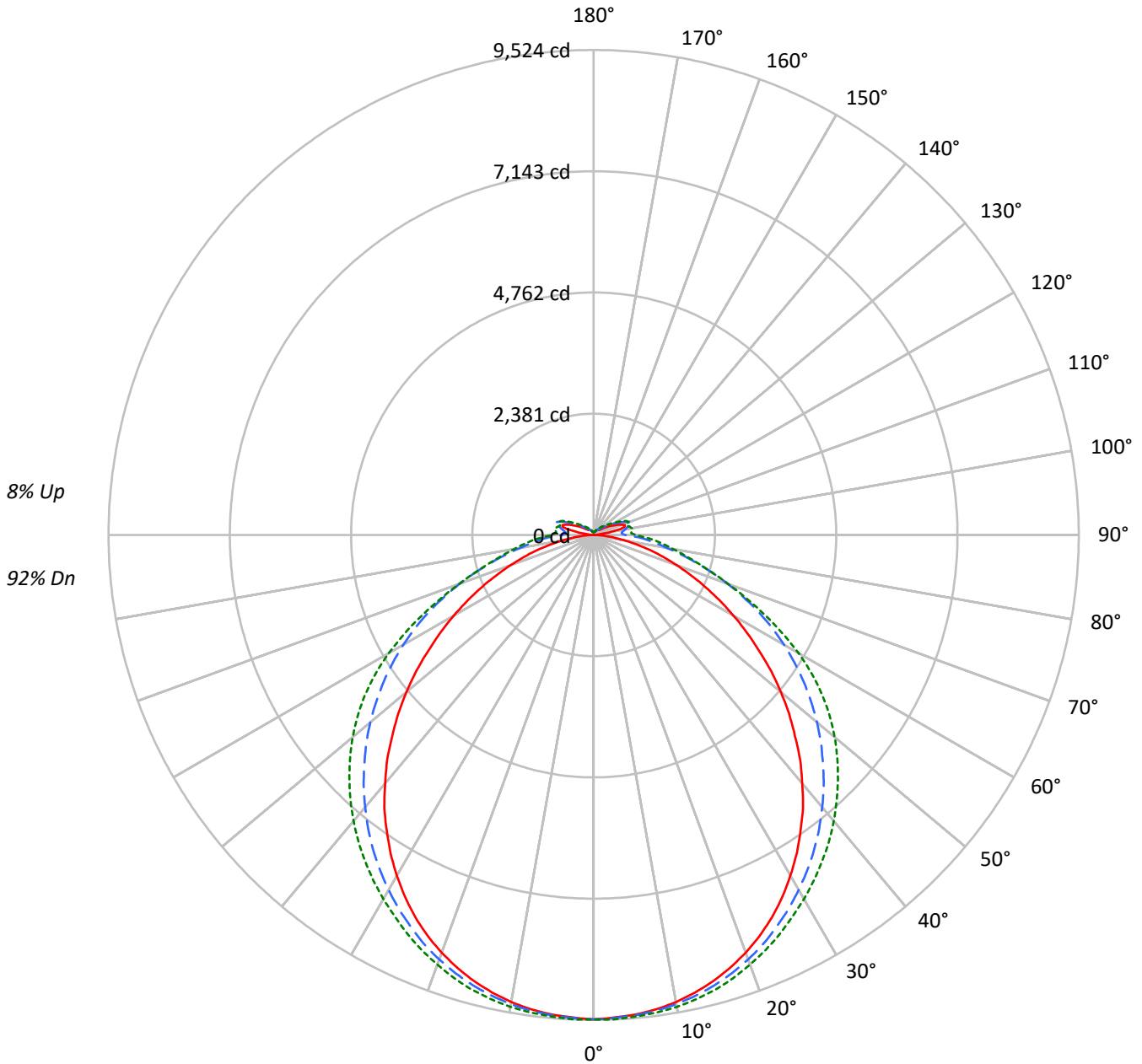
Lumens per Lamp: N/A
Luminaire Lumens: 29966.6 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

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	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	92																			
1	106	101	97	93	103	98	94	91	93	89	86	87	85	82	82	80	78	76																			
2	97	88	81	75	93	86	79	74	81	75	71	76	72	68	72	69	65	63																			
3	88	77	69	63	85	75	68	61	71	65	59	67	62	57	64	59	55	53																			
4	80	68	60	53	78	67	58	52	63	56	50	60	54	49	57	52	47	45																			
5	74	61	52	45	71	59	51	45	56	49	44	54	47	42	51	46	41	39																			
6	68	55	46	40	66	54	45	39	51	44	38	49	42	37	46	41	36	34																			
7	63	50	41	35	61	49	40	35	46	39	34	44	38	33	42	36	32	30																			
8	59	45	37	31	57	44	36	31	42	35	30	40	34	29	39	33	29	27																			
9	55	42	33	28	53	41	33	28	39	32	27	37	31	27	36	30	26	24																			
10	52	38	30	25	50	38	30	25	36	29	25	35	28	24	33	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15047	15047	15047
5°	14887	14904	15013
10°	14721	14773	14998
15°	14494	14616	14959
20°	14213	14424	14872
25°	13858	14183	14787
30°	13393	13923	14704
35°	12843	13646	14648
40°	12195	13326	14602
45°	11444	12979	14530
50°	10629	12627	14435
55°	9645	12197	14212
60°	8638	11690	13651
65°	7546	11043	12642
70°	6369	10218	11563
75°	5171	9264	10996
80°	3713	8575	11519
85°	2093	8912	14440



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	901.5	3.0
10°-20°	2586.4	8.6
20°-30°	3911.5	13.1
30°-40°	4695.8	15.7
40°-50°	4849.9	16.2
50°-60°	4363.4	14.6
60°-70°	3286.9	11.0
70°-80°	1984.8	6.6
80°-90°	974.4	3.3
90°-100°	551.3	1.8
100°-110°	728.8	2.4
110°-120°	562.7	1.9
120°-130°	281.9	0.9
130°-140°	142.9	0.5
140°-150°	79.1	0.3
150°-160°	42.0	0.1
160°-170°	17.9	0.1
170°-180°	5.5	0.0
0°-30°	7399.4	24.7
0°-40°	12095.2	40.4
0°-60°	21308.5	71.1
0°-90°	27554.6	92.0
90°-120°	1842.7	6.1
90°-150°	2346.6	7.8
90°-180°	2412.0	8.0
0°-180°	29966.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9514	9514	9514	9514	9514	
5°	9454	9480	9468	9505	9493	898
15°	9072	9116	9158	9235	9244	2558
25°	8285	8376	8494	8627	8648	3811
35°	7083	7249	7547	7775	7822	4428
45°	5591	5873	6364	6711	6783	4316
55°	3961	4371	5034	5414	5479	3551
65°	2417	2911	3563	3740	3698	2401
75°	1139	1635	2063	2117	2096	1215
85°	238	626	1034	1176	1197	274
90°	3	265	620	783	817	17
95°	43	234	550	703	744	109
105°	634	707	778	703	688	602
115°	446	486	590	639	647	450
125°	227	244	320	361	366	213
135°	140	147	179	216	226	111
145°	113	113	117	137	144	71
155°	95	99	97	96	98	41
165°	62	62	62	63	63	18
175°	56	56	57	57	57	5
180°	56	56	56	56	56	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9514.4	9514.4	9514.4	9514.4	9514.4
2.5°	9486.5	9509.8	9495.8	9526.1	9523.8
5°	9453.8	9479.5	9467.8	9505.1	9493.4
7.5°	9398.0	9425.9	9423.6	9465.5	9460.8
10°	9316.5	9346.8	9356.1	9411.9	9411.9
12.5°	9204.7	9244.3	9267.6	9335.1	9337.4
15°	9072.0	9116.2	9158.2	9235.0	9244.3
17.5°	8911.3	8967.2	9025.4	9113.9	9125.5
20°	8729.7	8792.6	8871.8	8964.8	8978.8
22.5°	8520.1	8594.7	8697.1	8806.5	8822.8
25°	8284.9	8375.8	8494.5	8627.3	8648.2
27.5°	8017.2	8121.9	8282.6	8431.7	8450.2
30°	7726.1	7849.5	8049.8	8226.8	8257.0
32.5°	7418.8	7560.8	7807.6	8005.5	8047.4
35°	7083.4	7248.8	7546.8	7775.0	7821.6
37.5°	6752.8	6934.4	7272.0	7532.8	7588.7
40°	6366.2	6592.1	6978.7	7267.3	7334.9
42.5°	6003.0	6247.5	6685.2	6999.6	7064.8
45°	5590.8	5872.6	6363.9	6710.8	6783.0
47.5°	5204.3	5509.3	6054.2	6412.8	6487.3
50°	4796.8	5132.1	5723.6	6098.4	6175.2
52.5°	4389.3	4750.2	5381.2	5770.1	5842.3
55°	3960.8	4370.7	5034.3	5413.8	5479.1
57.5°	3562.7	3995.8	4678.0	5038.9	5078.5
60°	3169.2	3618.6	4314.8	4631.5	4645.4
62.5°	2784.9	3257.6	3942.2	4193.7	4175.1
65°	2417.0	2910.7	3562.7	3739.7	3697.8
67.5°	2063.1	2573.0	3173.8	3287.9	3232.0
70°	1727.8	2244.8	2796.6	2854.8	2803.6
72.5°	1432.1	1932.7	2414.7	2463.6	2426.3
75°	1138.7	1634.7	2063.1	2116.7	2095.7
77.5°	863.9	1345.9	1739.4	1809.2	1813.9
80°	621.8	1082.8	1457.7	1567.1	1581.1
82.5°	409.8	840.6	1222.5	1362.2	1383.2
85°	237.5	626.4	1033.8	1175.9	1196.8
87.5°	102.4	451.8	831.2	959.3	985.0
90°	3.3	265.3	619.8	782.7	817.1
92.5°	17.8	230.1	553.4	710.7	742.9
95°	43.3	233.7	549.9	702.7	743.7
97.5°	176.5	317.2	582.6	726.3	760.6
100°	349.0	472.8	628.0	739.9	763.6
102.5°	538.2	630.4	669.4	718.9	730.2
105°	633.8	707.2	777.8	702.8	688.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	520.3	567.8	672.0	719.2	707.7
115°	446.2	486.1	590.0	638.6	647.1
117.5°	385.1	413.2	508.1	557.6	565.4
120°	325.1	349.6	436.8	480.8	488.5
122.5°	275.1	294.3	375.2	417.0	422.3
125°	227.0	243.9	319.7	360.8	366.0
127.5°	193.0	205.1	273.2	314.3	319.6
130°	169.7	177.8	234.0	274.4	282.2
132.5°	153.8	160.9	203.2	241.3	252.2
135°	139.7	146.8	178.9	215.5	225.7
137.5°	128.8	135.9	157.9	192.2	202.3
140°	122.0	126.8	140.9	170.6	180.7
142.5°	116.8	119.2	126.4	152.9	160.8
145°	113.3	112.6	117.4	136.9	143.9
147.5°	107.4	109.1	110.8	121.8	128.8
150°	102.4	106.4	105.8	108.9	116.8
152.5°	99.1	102.2	101.6	100.1	104.8
155°	94.9	98.9	97.4	95.9	98.3
157.5°	69.2	70.0	70.8	71.7	71.7
160°	66.7	66.7	67.5	68.3	68.3
162.5°	64.2	64.2	65.0	65.8	65.8
165°	61.7	62.5	62.5	63.3	63.3
167.5°	60.0	60.0	60.8	60.8	61.7
170°	58.3	58.3	59.2	59.2	59.2
172.5°	56.7	57.5	57.5	57.5	57.5
175°	55.8	55.8	56.7	56.7	56.7
177.5°	55.0	55.8	55.8	55.8	55.8
180°	55.8	55.8	55.8	55.8	55.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	639.7	707.2	800.8	744.8	683.8
110°	587.2	652.0	752.8	767.9	722.1



(END OF REPORT)