

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: P828392

Luminaire Tested: **OHBL-36HE-MFL-UNV-L940-CD-UPL36**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828392
REPORT IS A COMBINATION OF REPORTS P826313 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-36HE-MFL-UNV-L940-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

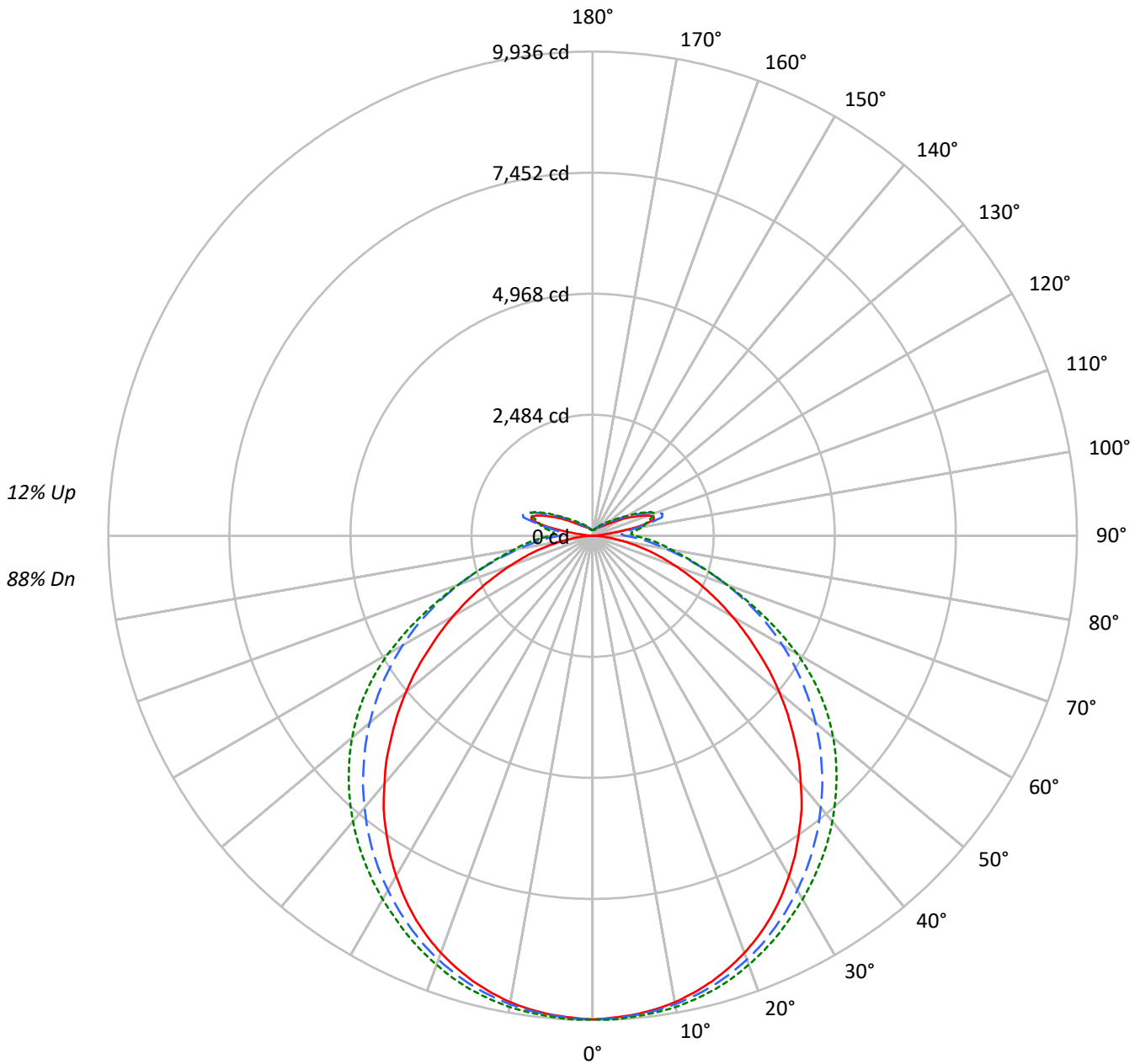
Lumens per Lamp: N/A
Luminaire Lumens: 32823.4 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 240.8
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	91	91	91	88								
1	105	100	96	92	101	97	93	89	90	87	84	84	82	80	79	77	75	72								
2	96	87	80	75	92	84	78	73	79	74	69	74	70	66	69	66	63	60								
3	87	77	68	62	84	74	67	61	69	63	58	65	60	55	61	57	53	50								
4	80	68	59	52	77	66	58	51	62	55	49	58	52	47	54	49	45	43								
5	73	61	52	45	70	59	50	44	55	48	43	52	46	41	49	44	39	37								
6	68	54	46	39	65	53	45	39	50	43	37	47	41	36	44	39	35	32								
7	63	49	41	35	60	48	40	34	45	38	33	43	36	32	40	35	31	29								
8	58	45	36	31	56	44	36	30	41	34	29	39	33	28	37	32	28	26								
9	54	41	33	28	52	40	32	27	38	31	26	36	30	26	34	29	25	23								
10	51	38	30	25	49	37	30	25	35	28	24	33	27	23	32	26	23	21								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15699	15699	15699
5°	15533	15550	15664
10°	15359	15413	15648
15°	15122	15249	15607
20°	14829	15048	15517
25°	14459	14798	15427
30°	13973	14526	15341
35°	13399	14238	15283
40°	12724	13904	15235
45°	11940	13541	15159
50°	11089	13175	15060
55°	10063	12726	14828
60°	9013	12197	14242
65°	7873	11521	13190
70°	6644	10661	12064
75°	5395	9666	11473
80°	3873	8946	12019
85°	2184	9298	15066



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	940.6	2.9
10°-20°	2698.5	8.2
20°-30°	4081.0	12.4
30°-40°	4899.2	14.9
40°-50°	5060.1	15.4
50°-60°	4552.5	13.9
60°-70°	3429.3	10.4
70°-80°	2070.8	6.3
80°-90°	1019.5	3.1
90°-100°	665.5	2.0
100°-110°	1326.8	4.0
110°-120°	1039.5	3.2
120°-130°	505.2	1.5
130°-140°	257.4	0.8
140°-150°	146.3	0.4
150°-160°	81.4	0.2
160°-170°	38.3	0.1
170°-180°	11.7	0.0
0°-30°	7720.0	23.5
0°-40°	12619.3	38.4
0°-60°	22231.9	67.7
0°-90°	28751.4	87.6
90°-120°	3031.7	9.2
90°-150°	3940.6	12.0
90°-180°	4072.0	12.4
0°-180°	32823.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9927	9927	9927	9927	9927	
5°	9864	9890	9878	9917	9905	937
15°	9465	9511	9555	9635	9645	2669
25°	8644	8739	8863	9001	9023	3976
35°	7390	7563	7874	8112	8160	4620
45°	5833	6127	6640	7002	7077	4503
55°	4132	4560	5252	5648	5716	3705
65°	2522	3037	3717	3902	3858	2505
75°	1188	1706	2152	2208	2186	1267
85°	248	654	1079	1227	1249	286
90°	7	298	672	840	872	21
95°	66	280	605	770	806	211
105°	1301	1381	1472	1246	1174	1238
115°	915	939	1056	1118	1118	925
125°	460	483	566	602	601	432
135°	278	289	325	364	375	220
145°	214	216	222	245	253	135
155°	177	182	182	182	184	79
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°	9926.7	9926.7	9926.7	9926.7	9926.7
2.5°	9897.6	9921.8	9907.2	9938.9	9936.4
5°	9863.5	9890.3	9878.1	9917.0	9904.8
7.5°	9805.2	9834.4	9831.9	9875.7	9870.8
10°	9720.2	9751.8	9761.5	9819.8	9819.8
12.5°	9603.5	9644.9	9669.2	9739.6	9742.0
15°	9465.1	9511.3	9555.0	9635.2	9644.9
17.5°	9297.5	9355.7	9416.5	9508.9	9520.9
20°	9108.0	9173.6	9256.2	9353.3	9367.9
22.5°	8889.3	8967.1	9074.0	9188.1	9205.2
25°	8643.9	8738.7	8862.6	9001.1	9022.9
27.5°	8364.6	8473.9	8641.5	8797.0	8816.4
30°	8060.9	8189.6	8398.6	8583.2	8614.8
32.5°	7740.2	7888.4	8145.9	8352.4	8396.1
35°	7390.4	7562.9	7873.8	8111.9	8160.5
37.5°	7045.4	7234.9	7587.1	7859.3	7917.5
40°	6642.1	6877.7	7281.1	7582.3	7652.8
42.5°	6263.1	6518.2	6974.9	7302.9	7370.9
45°	5833.1	6127.1	6639.7	7001.6	7076.9
47.5°	5429.8	5748.1	6316.5	6690.7	6768.5
50°	5004.6	5354.5	5971.6	6362.7	6442.8
52.5°	4579.5	4956.1	5614.4	6020.1	6095.5
55°	4132.5	4560.1	5252.5	5648.4	5716.5
57.5°	3717.0	4168.9	4880.7	5257.3	5298.6
60°	3306.5	3775.4	4501.7	4832.2	4846.7
62.5°	2905.6	3398.7	4113.1	4375.4	4356.0
65°	2521.7	3036.8	3717.0	3901.7	3858.0
67.5°	2152.5	2684.5	3311.4	3430.4	3372.1
70°	1802.6	2342.0	2917.8	2978.5	2925.1
72.5°	1494.1	2016.4	2519.3	2570.3	2531.5
75°	1188.0	1705.5	2152.5	2208.4	2186.5
77.5°	901.4	1404.2	1814.8	1887.7	1892.5
80°	648.7	1129.7	1520.8	1635.0	1649.6
82.5°	427.6	877.0	1275.5	1421.2	1443.1
85°	247.8	653.6	1078.6	1226.9	1248.7
87.5°	106.9	471.3	867.3	1000.9	1027.7
90°	7.0	297.7	671.8	840.1	872.5
92.5°	29.0	263.5	596.5	758.9	790.8
95°	66.1	280.3	605.0	770.5	806.3
97.5°	339.8	495.3	704.3	875.2	917.9
100°	712.8	842.8	903.0	1009.3	1046.2
102.5°	1108.4	1220.3	1180.1	1118.7	1109.6
105°	1301.2	1381.2	1472.3	1246.3	1173.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1071.5	1120.2	1229.7	1289.4	1271.3
115°	915.0	939.3	1055.5	1117.5	1118.5
117.5°	787.8	805.9	910.0	960.0	957.7
120°	666.1	685.6	781.7	818.1	820.9
122.5°	555.7	580.0	666.3	703.7	699.7
125°	460.3	483.2	566.5	602.4	601.0
127.5°	395.2	405.2	480.6	520.0	527.3
130°	342.2	351.6	414.6	457.6	463.2
132.5°	305.7	317.4	365.1	406.6	418.8
135°	277.9	288.7	324.9	363.9	374.6
137.5°	255.3	265.3	290.0	328.3	338.9
140°	238.6	246.1	263.5	296.2	305.9
142.5°	225.3	230.5	239.7	269.1	276.4
145°	213.8	215.7	222.5	244.6	252.7
147.5°	203.4	206.8	211.2	221.8	230.0
150°	193.8	198.8	199.9	204.1	212.2
152.5°	185.1	190.1	191.2	189.6	195.4
155°	177.3	182.3	182.5	181.8	184.2
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°	1313.4	1386.4	1503.3	1427.4	1288.2
110°	1213.4	1285.4	1396.6	1415.0	1358.5



(END OF REPORT)