

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: P#

Luminaire Tested: **4ILED-LD5-7-W-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34173)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4ILED-LD5-7-W-UNV-L835-CD1-U
Description: Metalux 4' ILED WITH OPEN WIDE DISTRIBUTION

Light Source: (1) 3500 CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

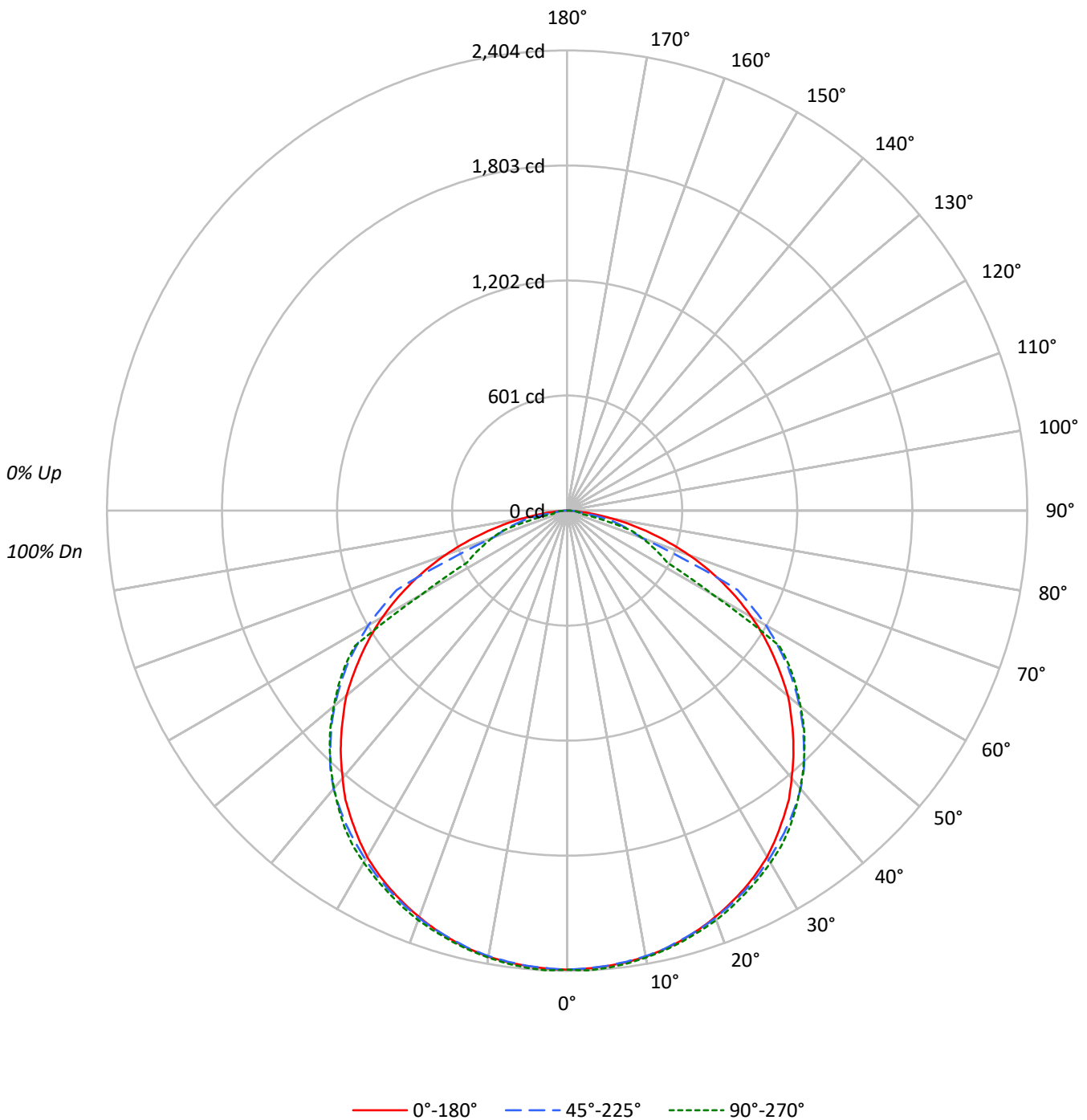
Lumens per Lamp: N/A
Luminaire Lumens: 6922.0 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.32 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 4' x H: 0.1')
CIE Type: Direct

Input Watts (W): 50.4
Input Voltage (V):
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	30
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7042	7042	7042
5°	7025	6977	6999
10°	7022	6929	6934
15°	7011	6874	6880
20°	6997	6840	6840
25°	6989	6800	6796
30°	6981	6770	6775
35°	6924	6751	6743
40°	6849	6738	6651
45°	6763	6636	6565
50°	6681	6507	6436
55°	6481	6317	6277
60°	6268	6051	4359
65°	5933	5674	2990
70°	5424	2765	2738
75°	4638	2401	1710
80°	3437	1418	699
85°	1703	710	645



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.5	3.3
10°-20°	657.0	9.5
20°-30°	1013.0	14.6
30°-40°	1254.3	18.1
40°-50°	1335.2	19.3
50°-60°	1232.1	17.8
60°-70°	788.9	11.4
70°-80°	355.3	5.1
80°-90°	58.7	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1897.5	27.4
0°-40°	3151.8	45.5
0°-60°	5719.1	82.6
0°-90°	6922.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6922.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2399	2399	2399	2399	2399	
5°	2389	2393	2387	2394	2398	227
15°	2322	2326	2319	2331	2330	656
25°	2183	2188	2192	2207	2205	1007
35°	1966	1986	2009	2030	2025	1231
45°	1670	1704	1750	1762	1754	1288
55°	1312	1359	1401	1424	1418	1173
65°	900	943	983	543	531	889
75°	447	486	287	294	212	475
85°	65	49	44	47	43	95
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2398.7	2398.7	2398.7	2398.7	2398.7
2.5°	2394.8	2399.6	2392.9	2399.6	2404.4
5°	2389.1	2392.9	2387.2	2393.9	2397.7
7.5°	2379.6	2383.4	2376.7	2383.4	2387.2
10°	2366.2	2368.1	2363.3	2370.0	2371.0
12.5°	2347.1	2349.0	2345.2	2351.9	2352.8
15°	2322.2	2326.1	2319.4	2330.8	2329.9
17.5°	2293.6	2297.4	2294.5	2303.1	2304.1
20°	2260.2	2264.0	2264.9	2275.4	2276.4
22.5°	2222.9	2228.6	2229.6	2243.9	2243.0
25°	2182.8	2188.5	2192.3	2206.7	2204.7
27.5°	2138.8	2146.5	2152.2	2166.5	2166.5
30°	2089.2	2099.7	2106.4	2125.5	2124.5
32.5°	2029.9	2050.0	2057.6	2081.5	2079.6
35°	1965.9	1986.0	2008.9	2029.9	2025.2
37.5°	1902.9	1922.9	1954.5	1966.9	1961.2
40°	1824.6	1858.0	1898.1	1902.9	1894.3
42.5°	1750.0	1776.8	1831.2	1834.1	1826.5
45°	1669.8	1704.2	1750.0	1761.5	1753.9
47.5°	1586.7	1616.3	1669.8	1684.1	1678.4
50°	1506.4	1533.2	1585.7	1600.1	1592.4
52.5°	1408.1	1448.2	1493.1	1516.0	1507.4
55°	1311.6	1359.3	1401.4	1424.3	1417.6
57.5°	1215.1	1267.6	1299.2	1330.7	1314.4
60°	1113.8	1165.4	1199.8	1185.5	882.7
62.5°	1008.8	1058.4	1087.1	728.9	591.3
65°	899.9	942.8	983.0	542.6	531.1
67.5°	789.0	832.0	654.4	482.4	471.9
70°	675.4	715.5	406.0	420.3	414.6
72.5°	560.7	598.9	348.7	364.9	357.3
75°	447.1	486.2	286.6	294.2	212.1
77.5°	341.0	335.3	231.2	162.4	72.6
80°	232.1	154.8	129.0	67.8	66.9
82.5°	144.2	104.1	54.4	60.2	59.2
85°	65.0	48.7	43.9	46.8	43.0
87.5°	22.9	23.9	26.7	24.8	22.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)