

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-CLWG-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 (P34178)
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-CLWG-UNV-L835-CD1-U
Description: Metalux 4' ILED WITH CLEAR ACRYLIC LENS & FRAME-HEAVY DUTY WIREGUARD DISTRIBUTION

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

Summary

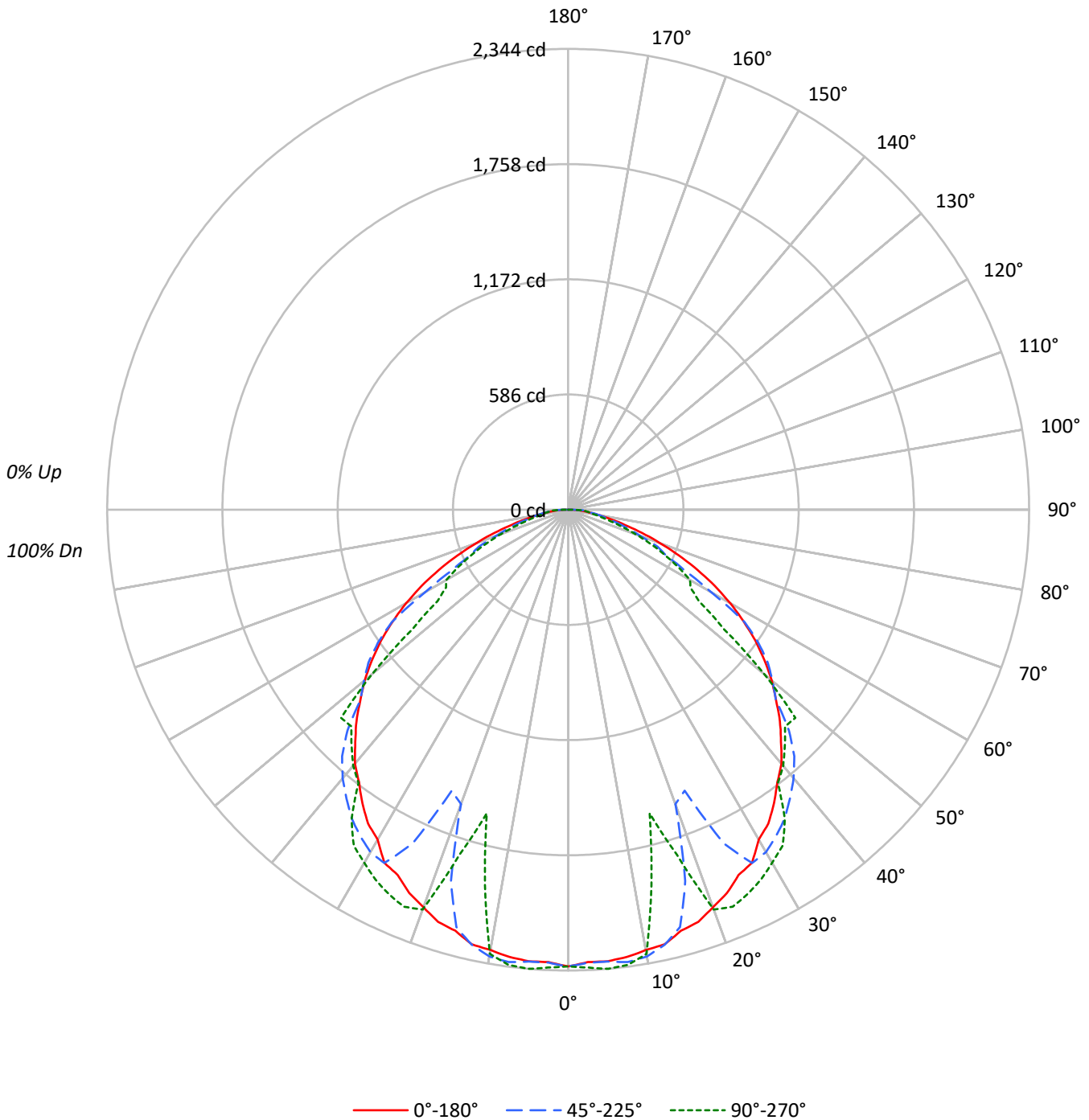
Lumens per Lamp: N/A
Luminaire Lumens: 6016.0 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.32 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 4' x H: 0.1')
CIE Type: Direct

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	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	42	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6820	6820	6820
5°	6778	6742	6843
10°	6750	6764	6708
15°	6694	6512	4722
20°	6663	4812	6504
25°	6564	5811	6652
30°	6474	6462	6613
35°	6423	6446	6396
40°	6332	6331	5970
45°	6167	6021	5836
50°	5991	5562	5274
55°	5740	5322	3591
60°	5354	4249	3533
65°	4793	3154	3044
70°	3989	2680	2416
75°	3092	2137	1779
80°	2305	1806	1357
85°	1978	1513	1361



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.6	3.7
10°-20°	584.6	9.7
20°-30°	932.2	15.5
30°-40°	1118.8	18.6
40°-50°	1189.9	19.8
50°-60°	973.5	16.2
60°-70°	617.2	10.3
70°-80°	285.1	4.7
80°-90°	94.1	1.6
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°	1737.4	28.9
0°-40°	2856.2	47.5
0°-60°	5019.6	83.4
0°-90°	6016.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6016.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2323	2323	2323	2323	2323	
5°	2305	2306	2307	2325	2344	219
15°	2217	2252	2197	1731	1599	628
25°	2050	2056	1873	2139	2158	950
35°	1824	1367	1918	1954	1921	1139
45°	1523	1529	1588	1548	1559	1173
55°	1162	1223	1181	915	811	1034
65°	727	739	546	550	541	717
75°	298	283	255	236	221	326
85°	76	82	94	94	91	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2323.2	2323.2	2323.2	2323.2	2323.2
2.5°	2303.2	2307.0	2306.0	2323.2	2330.9
5°	2305.1	2306.0	2307.0	2325.1	2344.2
7.5°	2294.6	2314.6	2321.3	2314.6	2334.7
10°	2274.5	2292.6	2307.0	2286.9	2293.6
12.5°	2264.0	2290.7	2266.9	2168.5	1954.5
15°	2217.2	2251.6	2197.1	1730.9	1599.1
17.5°	2198.1	2221.0	1980.3	1591.5	1840.8
20°	2152.2	2183.7	1593.4	2046.2	2164.6
22.5°	2110.2	2133.1	1546.6	2152.2	2185.7
25°	2050.0	2055.7	1873.3	2138.8	2158.0
27.5°	2024.2	1938.2	2026.1	2111.1	2121.7
30°	1937.3	1760.6	2010.8	2072.9	2073.9
32.5°	1893.3	1533.2	1967.9	2017.5	2028.0
35°	1823.6	1367.0	1918.2	1954.5	1921.0
37.5°	1747.2	1343.1	1852.3	1833.2	1752.0
40°	1687.0	1465.4	1783.5	1665.0	1700.4
42.5°	1602.0	1539.9	1701.3	1624.0	1630.6
45°	1522.7	1529.4	1587.7	1548.5	1559.0
47.5°	1432.9	1476.8	1431.9	1483.5	1566.6
50°	1350.8	1397.6	1355.5	1440.5	1304.9
52.5°	1257.1	1315.4	1280.1	1158.7	1001.1
55°	1161.6	1222.7	1180.7	915.1	811.0
57.5°	1057.5	1108.1	1064.2	749.9	736.5
60°	951.4	991.6	842.5	683.0	715.5
62.5°	839.7	864.5	664.9	629.5	627.6
65°	727.0	739.4	546.4	550.2	540.7
67.5°	609.5	615.2	492.0	466.2	451.8
70°	496.7	492.9	393.6	379.2	365.9
72.5°	393.6	375.4	320.0	300.9	284.7
75°	298.0	282.8	255.1	236.0	220.7
77.5°	221.6	213.0	199.7	201.6	169.1
80°	155.7	156.7	164.3	139.5	129.9
82.5°	107.9	113.7	117.5	115.6	112.7
85°	75.5	82.2	93.6	93.6	90.8
87.5°	38.2	56.4	75.5	80.2	78.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)