

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-LD5-9-W-FLWG-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 (P34182)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4ILED-LD5-9-W-FLWG-UNV-L835-CD1-U
Description: Metalux 4' ILED WITH FROSTED ACRYLIC LENS & FRAME-HEAVY DUTY WIREGUARD DISTRIBUTION

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

Summary

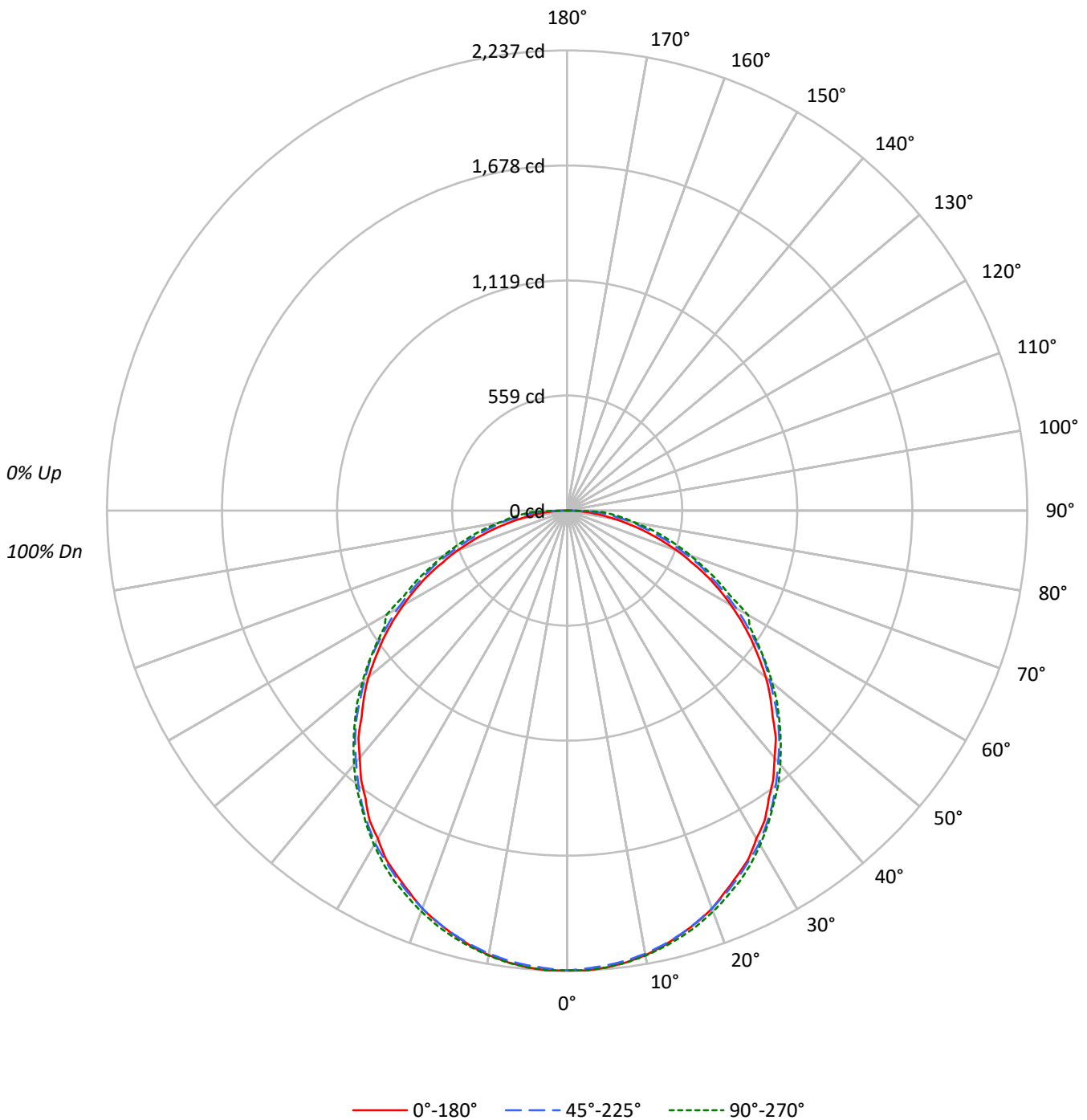
Lumens per Lamp: N/A
Luminaire Lumens: 6359.0 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.25 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 4' x H: 0.1')
CIE Type: Direct

Input Watts (W): 65.7
Input Voltage (V):
Input Current (Ain): 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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69
3	90	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6564	6564	6564
5°	6554	6485	6506
10°	6513	6413	6426
15°	6441	6320	6336
20°	6375	6215	6231
25°	6265	6104	6125
30°	6151	6002	5987
35°	6020	5850	5816
40°	5888	5669	5658
45°	5722	5505	5466
50°	5594	5276	5256
55°	5395	5059	5018
60°	5176	4786	5018
65°	4922	4479	4546
70°	4556	4154	4205
75°	4101	3751	3904
80°	3468	3527	3478
85°	2814	2997	3310



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.4	3.3
10°-20°	603.1	9.5
20°-30°	908.2	14.3
30°-40°	1086.1	17.1
40°-50°	1115.4	17.5
50°-60°	1001.7	15.8
60°-70°	770.7	12.1
70°-80°	475.1	7.5
80°-90°	187.4	2.9
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°	1722.7	27.1
0°-40°	2808.8	44.2
0°-60°	4925.9	77.5
0°-90°	6359.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6359.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2236	2236	2236	2236	2236	
5°	2229	2228	2219	2228	2229	212
15°	2134	2137	2132	2141	2146	602
25°	1957	1959	1968	1982	1987	902
35°	1709	1734	1741	1747	1747	1072
45°	1413	1435	1452	1458	1460	1094
55°	1092	1106	1122	1134	1133	976
65°	747	754	776	803	808	736
75°	395	416	448	477	484	418
85°	107	143	185	212	221	123
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2236.1	2236.1	2236.1	2236.1	2236.1
2.5°	2237.3	2236.1	2227.6	2233.7	2236.1
5°	2228.8	2227.6	2219.0	2227.6	2228.8
7.5°	2214.1	2214.1	2205.6	2214.1	2215.4
10°	2194.6	2194.6	2187.3	2194.6	2197.1
12.5°	2166.6	2169.0	2161.7	2170.2	2172.7
15°	2133.6	2137.3	2132.4	2141.0	2145.8
17.5°	2098.3	2099.5	2097.0	2108.0	2112.9
20°	2059.2	2058.0	2058.0	2072.6	2073.9
22.5°	2006.8	2012.9	2014.1	2029.9	2031.2
25°	1956.7	1959.2	1967.7	1982.4	1987.2
27.5°	1909.2	1907.9	1916.5	1929.9	1934.8
30°	1840.9	1853.1	1867.7	1872.6	1877.4
32.5°	1787.2	1790.8	1805.5	1810.4	1814.0
35°	1709.1	1733.5	1740.8	1746.9	1746.9
37.5°	1645.7	1659.1	1668.8	1679.8	1684.7
40°	1568.8	1585.9	1596.9	1607.8	1611.5
42.5°	1501.7	1512.7	1526.1	1534.7	1537.1
45°	1412.7	1434.6	1451.7	1457.8	1460.2
47.5°	1339.5	1363.9	1366.3	1380.9	1384.6
50°	1261.4	1279.7	1285.8	1302.9	1300.4
52.5°	1174.8	1196.7	1211.4	1216.3	1217.5
55°	1091.8	1106.5	1122.3	1134.5	1133.3
57.5°	1007.6	1019.8	1033.3	1051.6	1052.8
60°	919.8	934.5	949.1	967.4	1016.2
62.5°	834.4	843.0	860.0	895.4	891.8
65°	746.6	753.9	775.9	802.7	807.6
67.5°	651.4	666.1	699.0	716.1	718.5
70°	567.3	580.7	610.0	631.9	636.8
72.5°	478.2	494.1	525.8	553.8	561.2
75°	395.3	416.0	447.7	477.0	484.3
77.5°	309.9	336.7	374.5	445.3	411.1
80°	234.2	264.7	320.8	329.4	333.0
82.5°	167.1	200.1	240.3	269.6	279.4
85°	107.4	142.7	185.4	212.3	220.8
87.5°	59.8	93.9	139.1	165.9	173.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)