

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-WG-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 (P34174)
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-WG-UNV-L835-CD1-U
Description: Metalux 4' ILED WITH OPEN WIDE-HEAVY DUTY WIREGUARD DISTRIBUTION

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6551.0 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 4' x H: 0.1')
CIE Type: Direct

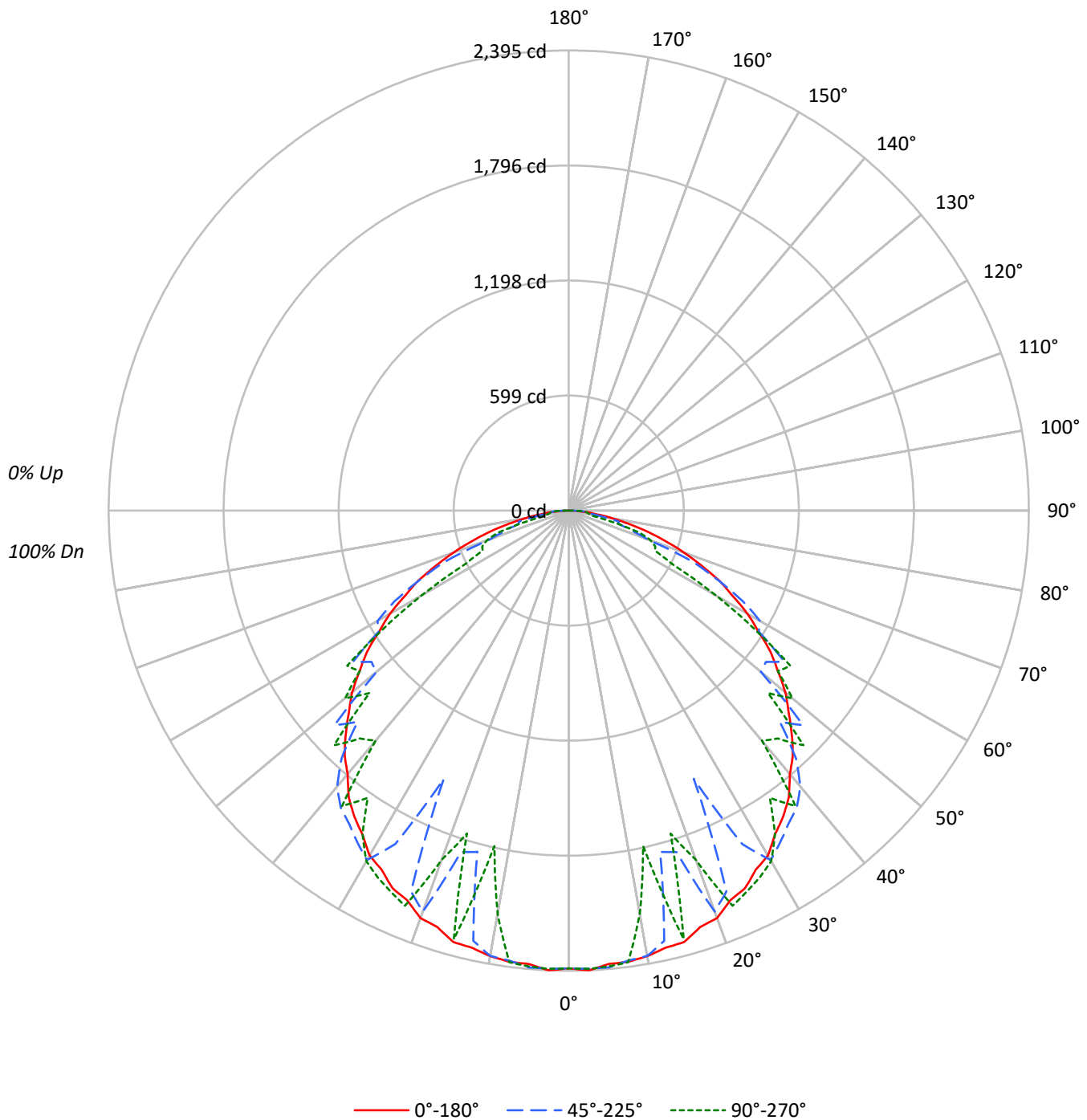
Input Watts (W): 50.4
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	105	100	97	106	102	98	95	98	95	92		94	92	89		91
2	99	91	85	79	97	89	83	78	86	81	76		83	78	75		80
3	91	80	72	66	88	79	71	65	76	69	64		73	67	63		70
4	83	71	62	56	81	70	62	55	67	60	55		65	59	54		63
5	76	63	54	48	74	62	54	48	60	53	47		58	52	47		56
6	70	57	48	42	68	56	48	41	54	47	41		53	46	41		51
7	65	52	43	37	63	51	42	37	49	42	36		48	41	36		46
8	61	47	39	33	59	46	38	33	45	38	32		44	37	32		43
9	57	43	35	29	55	42	35	29	41	34	29		40	34	29		39
10	53	40	32	27	52	39	32	26	38	31	26		37	31	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6994	6994	6994
5°	6966	6974	6952
10°	6988	6901	6233
15°	7017	5450	6821
20°	6985	6707	5812
25°	6946	4777	6749
30°	6927	6751	6720
35°	6850	6693	6075
40°	6719	6656	5487
45°	6647	5894	6465
50°	6529	5354	6142
55°	6340	6171	6235
60°	6048	5795	4387
65°	5706	4941	2785
70°	5110	2946	2996
75°	4400	2265	2056
80°	3408	1869	1187
85°	2452	1435	1375



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.7	3.4
10°-20°	602.6	9.2
20°-30°	934.3	14.3
30°-40°	1197.8	18.3
40°-50°	1226.7	18.7
50°-60°	1163.2	17.8
60°-70°	745.1	11.4
70°-80°	362.0	5.5
80°-90°	93.5	1.4
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°	1762.6	26.9
0°-40°	2960.4	45.2
0°-60°	5350.4	81.7
0°-90°	6551.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6551.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2382	2382	2382	2382	2382	
5°	2369	2376	2386	2392	2382	226
15°	2324	2324	1839	2163	2310	653
25°	2169	1874	1540	2203	2190	997
35°	1945	1957	1992	1940	1825	1215
45°	1641	1644	1554	1565	1727	1265
55°	1283	1323	1369	1320	1408	1140
65°	866	845	856	556	495	848
75°	424	474	270	328	255	449
85°	94	82	89	94	92	106
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2382.4	2382.4	2382.4	2382.4	2382.4
2.5°	2394.8	2396.8	2386.2	2382.4	2387.2
5°	2369.1	2375.7	2386.2	2392.0	2381.5
7.5°	2368.1	2371.0	2362.4	2393.9	2371.0
10°	2354.7	2371.0	2353.8	2270.7	2131.2
12.5°	2329.9	2332.8	2293.6	1652.6	1788.3
15°	2324.2	2324.2	1838.9	2162.7	2309.8
17.5°	2272.6	2285.0	1863.7	2271.6	1762.5
20°	2256.3	2248.7	2221.0	1608.7	1934.4
22.5°	2195.2	2142.7	2144.6	2235.3	2226.7
25°	2169.4	1874.2	1539.9	2202.8	2189.5
27.5°	2108.3	1571.4	1956.4	2155.1	2152.2
30°	2072.9	1634.5	2100.6	2115.9	2107.3
32.5°	1998.4	1876.1	2048.1	2080.6	1997.5
35°	1944.9	1957.3	1991.7	1940.1	1824.6
37.5°	1880.9	1795.9	1948.7	1769.1	1939.2
40°	1790.2	1399.5	1875.2	1898.1	1562.8
42.5°	1726.2	1369.8	1751.0	1473.0	1609.6
45°	1641.1	1644.0	1554.2	1564.7	1727.1
47.5°	1552.3	1588.6	1653.6	1662.2	1406.1
50°	1472.1	1507.4	1304.9	1409.0	1519.8
52.5°	1371.8	1421.4	1294.4	1454.9	1371.8
55°	1282.9	1323.0	1368.9	1320.2	1408.1
57.5°	1169.2	1233.2	1172.1	1296.3	1144.4
60°	1074.7	1073.7	1149.2	1154.9	888.4
62.5°	961.0	953.4	1022.1	774.7	615.2
65°	865.5	845.4	855.9	556.0	494.8
67.5°	746.1	662.0	705.0	464.3	487.2
70°	636.2	632.4	432.7	321.9	453.7
72.5°	527.3	574.1	341.0	402.2	392.6
75°	424.1	473.8	270.3	327.7	255.1
77.5°	318.1	343.9	266.5	200.6	124.2
80°	230.2	162.4	170.0	113.7	113.7
82.5°	149.0	133.7	99.3	106.0	100.3
85°	93.6	82.2	88.8	93.6	91.7
87.5°	32.5	56.4	70.7	68.8	63.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)