

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-L850-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-L850-CD1-U
Description: Metalux 4' ILED WITH OPEN WIDE-HEAVY DUTY WIREGUARD DISTRIBUTION

Light Source: (1) 5000 CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7228.0 lumens
Efficiency: N/A
Efficacy: 143.4 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

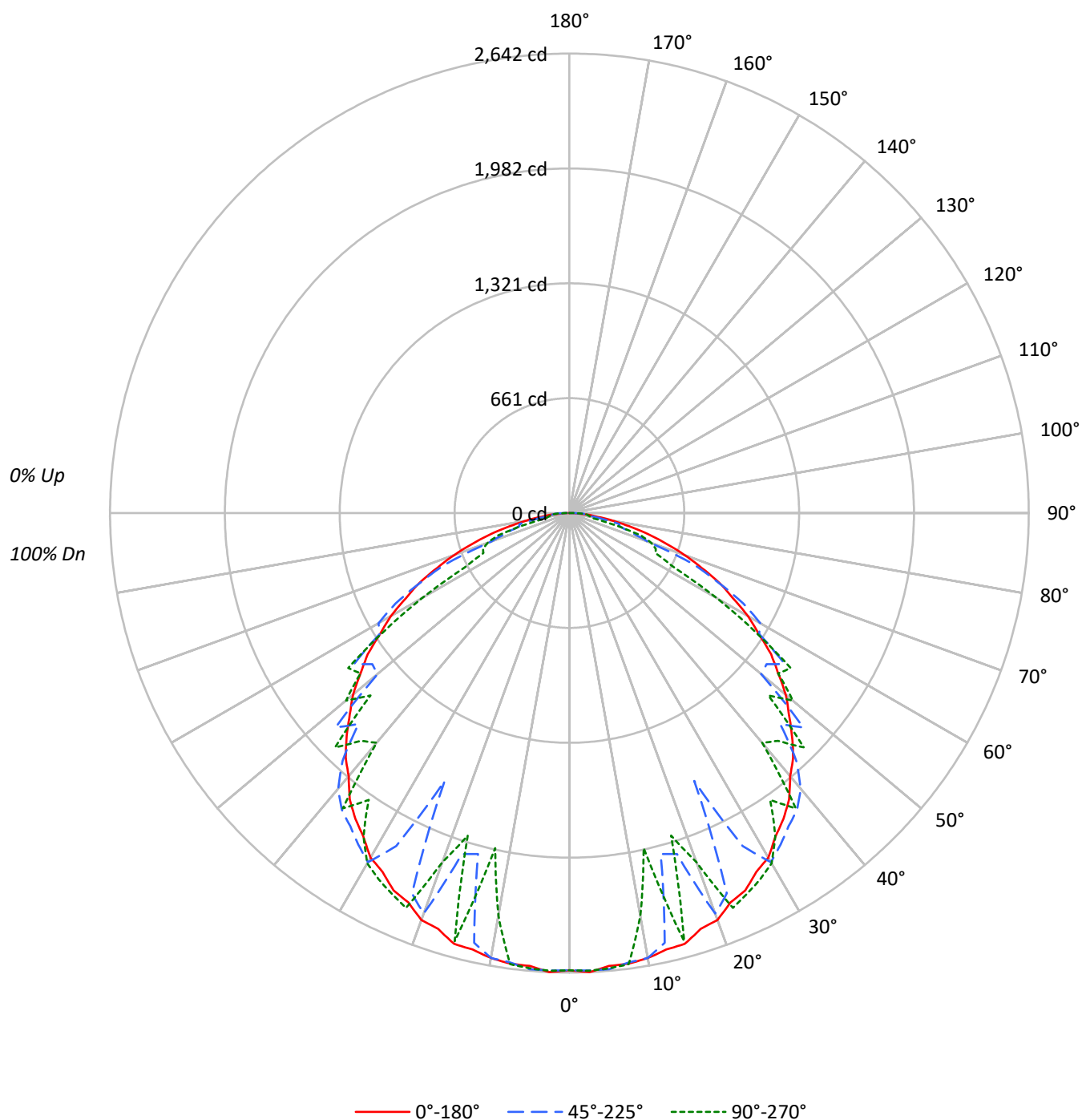
Input Watts (W): 50.4
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	109	105	100	97	106	102	98	95		98	95	92		94	92	89		91	89	87
2	99	91	85	79	97	89	83	78		86	81	76		83	78	75		80	76	73
3	91	80	72	66	88	79	71	65		76	69	64		73	67	63		70	66	62
4	83	71	62	56	81	70	62	55		67	60	55		65	59	54		63	57	53
5	76	63	54	48	74	62	54	48		60	53	47		58	52	47		56	51	46
6	70	57	48	42	68	56	48	41		54	47	41		53	46	41		51	45	40
7	65	52	43	37	63	51	42	37		49	42	36		48	41	36		46	40	36
8	61	47	39	33	59	46	38	33		45	38	32		44	37	32		43	36	32
9	57	43	35	29	55	42	35	29		41	34	29		40	34	29		39	33	29
10	53	40	32	27	52	39	32	26		38	31	26		37	31	26		36	30	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7717	7717	7717
5°	7686	7695	7670
10°	7711	7614	6877
15°	7741	6013	7525
20°	7707	7400	6413
25°	7664	5270	7446
30°	7642	7449	7415
35°	7558	7385	6702
40°	7414	7344	6054
45°	7334	6503	7133
50°	7203	5908	6777
55°	6995	6808	6880
60°	6673	6394	4840
65°	6295	5452	3074
70°	5638	3251	3306
75°	4855	2499	2268
80°	3761	2062	1310
85°	2706	1584	1517



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.0	3.4
10°-20°	664.8	9.2
20°-30°	1030.9	14.3
30°-40°	1321.6	18.3
40°-50°	1353.5	18.7
50°-60°	1283.4	17.8
60°-70°	822.1	11.4
70°-80°	399.5	5.5
80°-90°	103.2	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°	1944.7	26.9
0°-40°	3266.4	45.2
0°-60°	5903.3	81.7
0°-90°	7228.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7228.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2629	2629	2629	2629	2629	
5°	2614	2621	2633	2639	2628	250
15°	2564	2564	2029	2386	2548	720
25°	2394	2068	1699	2430	2416	1100
35°	2146	2160	2198	2141	2013	1340
45°	1811	1814	1715	1726	1906	1396
55°	1416	1460	1510	1457	1554	1258
65°	955	933	944	613	546	936
75°	468	523	298	362	281	495
85°	103	91	98	103	101	117
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2628.6	2628.6	2628.6	2628.6	2628.6
2.5°	2642.3	2644.4	2632.8	2628.6	2633.9
5°	2613.9	2621.3	2632.8	2639.2	2627.6
7.5°	2612.8	2616.0	2606.5	2641.3	2616.0
10°	2598.1	2616.0	2597.0	2505.3	2351.4
12.5°	2570.7	2573.8	2530.6	1823.4	1973.1
15°	2564.3	2564.3	2028.9	2386.2	2548.5
17.5°	2507.4	2521.1	2056.3	2506.4	1944.6
20°	2489.5	2481.1	2450.5	1774.9	2134.3
22.5°	2422.1	2364.1	2366.2	2466.3	2456.8
25°	2393.6	2067.9	1699.0	2430.5	2415.7
27.5°	2326.1	1733.8	2158.6	2377.8	2374.6
30°	2287.1	1803.4	2317.7	2334.6	2325.1
32.5°	2204.9	2070.0	2259.7	2295.6	2203.9
35°	2145.9	2159.6	2197.6	2140.6	2013.1
37.5°	2075.3	1981.5	2150.1	1952.0	2139.6
40°	1975.2	1544.1	2069.0	2094.3	1724.3
42.5°	1904.5	1511.4	1931.9	1625.2	1776.0
45°	1810.7	1813.9	1714.8	1726.4	1905.6
47.5°	1712.7	1752.8	1824.4	1833.9	1551.5
50°	1624.2	1663.2	1439.7	1554.6	1676.9
52.5°	1513.5	1568.3	1428.1	1605.2	1513.5
55°	1415.5	1459.8	1510.4	1456.6	1553.6
57.5°	1290.1	1360.7	1293.2	1430.3	1262.7
60°	1185.7	1184.7	1267.9	1274.3	980.2
62.5°	1060.3	1051.9	1127.8	854.8	678.8
65°	954.9	932.8	944.4	613.4	546.0
67.5°	823.2	730.4	777.8	512.2	537.5
70°	702.0	697.7	477.5	355.2	500.6
72.5°	581.8	633.4	376.3	443.7	433.2
75°	468.0	522.8	298.3	361.5	281.4
77.5°	351.0	379.4	294.1	221.3	137.0
80°	254.0	179.2	187.6	125.4	125.4
82.5°	164.4	147.6	109.6	117.0	110.7
85°	103.3	90.6	98.0	103.3	101.2
87.5°	35.8	62.2	78.0	75.9	69.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)