

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: P218571

Luminaire Tested: **4SNLED-LD5-36SL-RW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218571
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35689)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-36SL-RW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4234.0 lumens
Efficiency: N/A
Efficacy: 152.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

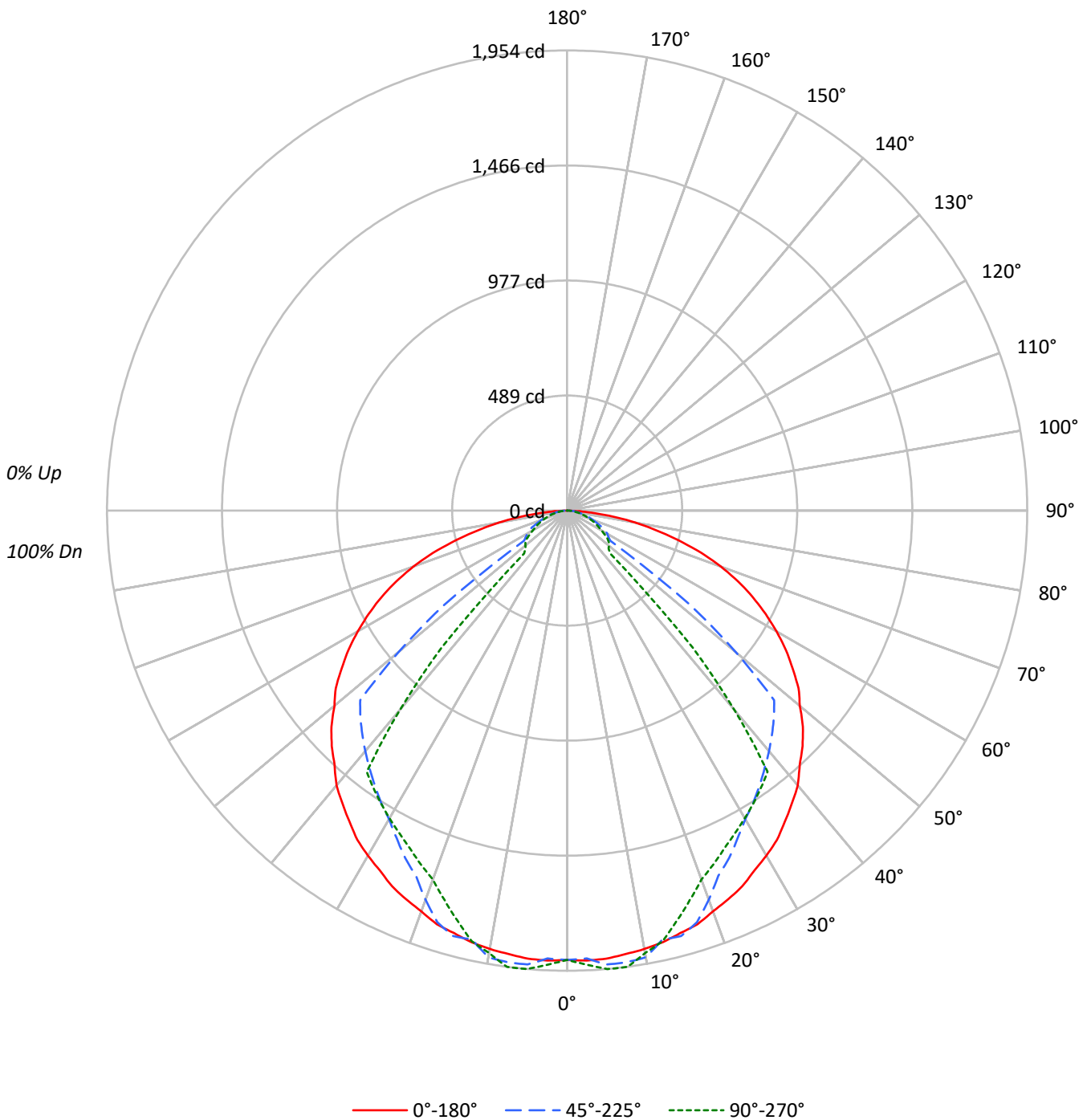
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52	50
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30746	30746	30746
5°	30787	29398	29071
10°	30705	27888	26541
15°	30641	26060	23710
20°	30588	23771	20962
25°	30696	21539	19173
30°	30736	19749	17793
35°	30813	18485	16609
40°	30968	17340	12655
45°	30918	16286	2944
50°	30798	12471	2652
55°	30975	3054	2427
60°	30862	2784	1979
65°	30449	2350	1633
70°	29307	1823	1277
75°	26410	1357	930
80°	21871	910	584
85°	12991	520	263



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.2	4.4
10°-20°	522.2	12.3
20°-30°	769.1	18.2
30°-40°	925.7	21.9
40°-50°	792.8	18.7
50°-60°	513.0	12.1
60°-70°	341.0	8.1
70°-80°	145.5	3.4
80°-90°	40.7	1.0
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°	1475.4	34.8
0°-40°	2401.1	56.7
0°-60°	3706.9	87.6
0°-90°	4234.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4234.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1908	1908	1908	1908	1908	
5°	1910	1917	1935	1957	1954	182
15°	1857	1908	1870	1831	1802	525
25°	1760	1771	1628	1592	1581	811
35°	1612	1550	1424	1436	1436	1010
45°	1413	1257	1241	758	258	1090
55°	1168	992	223	212	210	1045
65°	870	625	159	137	135	858
75°	490	115	82	73	71	519
85°	104	31	26	20	18	133
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1908.1	1908.1	1908.1	1908.1	1908.1
2.5°	1912.5	1905.9	1903.7	1928.0	1930.2
5°	1910.3	1916.9	1934.6	1956.7	1954.5
7.5°	1899.3	1921.3	1934.6	1967.7	1954.5
10°	1890.4	1930.2	1925.8	1928.0	1908.1
12.5°	1877.2	1914.7	1866.1	1899.3	1872.8
15°	1857.3	1908.1	1870.5	1830.8	1802.1
17.5°	1841.8	1894.8	1833.0	1738.0	1733.6
20°	1810.9	1839.6	1757.9	1689.5	1667.4
22.5°	1786.6	1819.8	1678.4	1632.0	1625.4
25°	1760.1	1771.2	1627.6	1592.3	1581.2
27.5°	1722.6	1744.7	1568.0	1550.3	1543.7
30°	1691.7	1691.7	1512.8	1512.8	1508.4
32.5°	1658.5	1621.0	1470.8	1473.0	1473.0
35°	1612.2	1550.3	1424.4	1435.5	1435.5
37.5°	1568.0	1464.2	1378.1	1395.7	1397.9
40°	1523.8	1397.9	1333.9	1353.8	1106.4
42.5°	1462.0	1325.1	1287.5	1042.4	788.4
45°	1413.4	1256.6	1241.1	757.5	258.4
47.5°	1358.2	1190.3	1192.6	240.7	238.5
50°	1289.7	1121.9	934.2	227.5	231.9
52.5°	1238.9	1060.1	658.1	220.8	223.1
55°	1168.3	991.6	223.1	212.0	209.8
57.5°	1102.0	927.5	207.6	196.6	187.7
60°	1026.9	859.1	196.6	174.5	167.8
62.5°	949.6	790.6	181.1	154.6	150.2
65°	870.1	625.0	159.0	136.9	134.7
67.5°	786.2	410.8	134.7	121.5	119.3
70°	693.4	161.2	117.0	106.0	101.6
72.5°	596.3	139.1	99.4	90.5	86.1
75°	490.3	114.8	81.7	72.9	70.7
77.5°	390.9	86.1	66.3	57.4	55.2
80°	291.5	64.0	50.8	44.2	42.0
82.5°	198.8	46.4	37.5	30.9	28.7
85°	103.8	30.9	26.5	19.9	17.7
87.5°	39.8	19.9	15.5	8.8	8.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)