

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: P218581

Luminaire Tested: **4SNLED-LD5-46SL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218581  
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-LD5-46SL-RW-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5039.0 lumens  
Efficiency: N/A  
Efficacy: 130.2 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

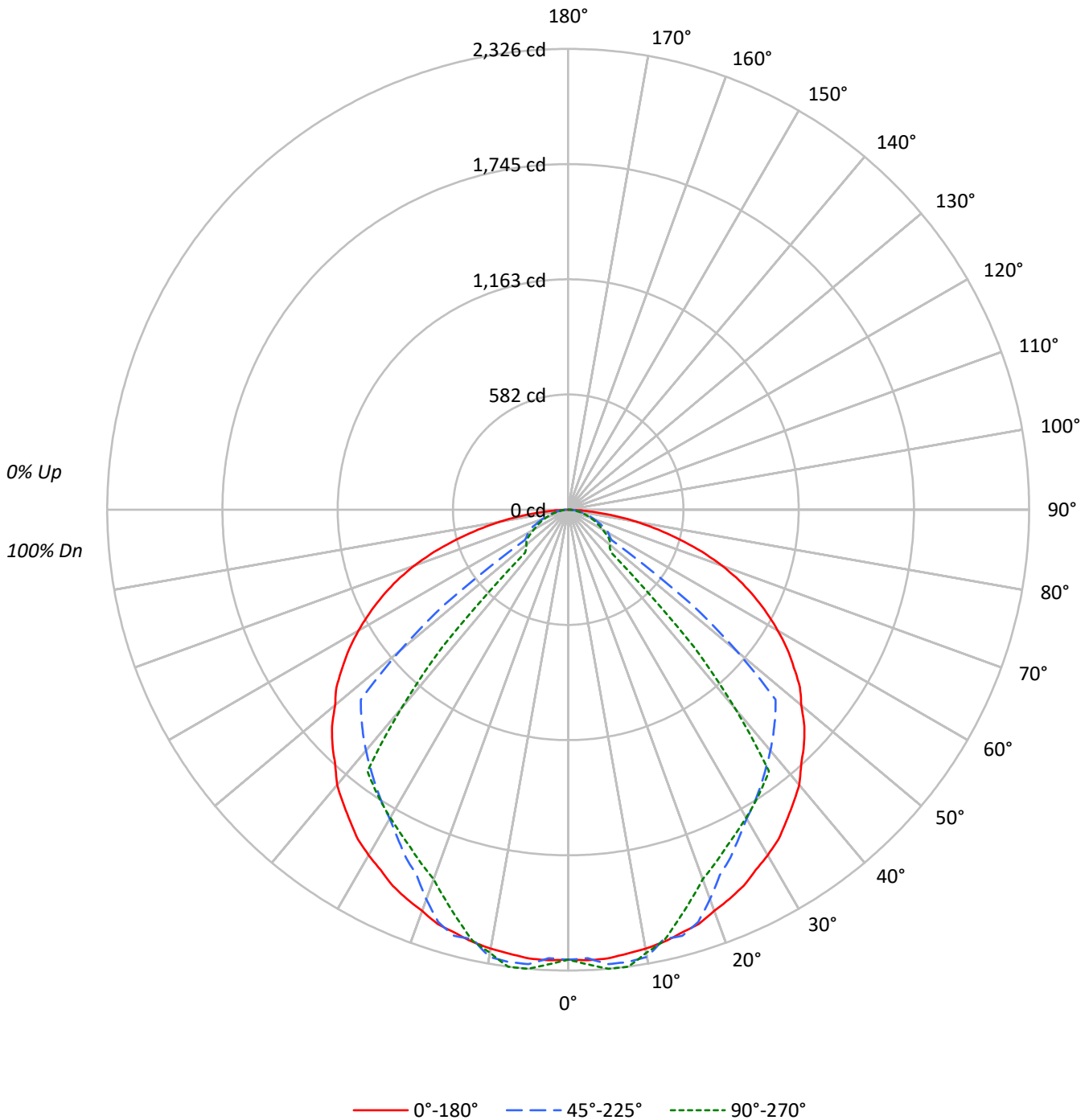
Input Watts (W): 38.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	36592	36592	36592
5°	36640	34987	34598
10°	36543	33190	31587
15°	36466	31016	28217
20°	36404	28290	24948
25°	36533	25635	22819
30°	36579	23503	21175
35°	36671	22001	19766
40°	36856	20637	15061
45°	36796	19383	3504
50°	36654	14842	3157
55°	36863	3635	2889
60°	36732	3312	2357
65°	36241	2796	1944
70°	34881	2170	1520
75°	31430	1614	1106
80°	26028	1084	694
85°	15457	618	312



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	219.2	4.4
10°-20°	621.4	12.3
20°-30°	915.3	18.2
30°-40°	1101.7	21.9
40°-50°	943.5	18.7
50°-60°	610.5	12.1
60°-70°	405.8	8.1
70°-80°	173.1	3.4
80°-90°	48.4	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°	1755.9	34.8
0°-40°	2857.6	56.7
0°-60°	4411.6	87.5
0°-90°	5039.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5039.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2271	2271	2271	2271	2271	
5°	2274	2281	2302	2329	2326	216
15°	2210	2271	2226	2179	2145	625
25°	2095	2108	1937	1895	1882	965
35°	1919	1845	1695	1708	1708	1202
45°	1682	1496	1477	902	308	1297
55°	1390	1180	266	252	250	1243
65°	1036	744	189	163	160	1021
75°	584	137	97	87	84	618
85°	124	37	32	24	21	158
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2270.9	2270.9	2270.9	2270.9	2270.9
2.5°	2276.1	2268.2	2265.6	2294.5	2297.2
5°	2273.5	2281.4	2302.4	2328.7	2326.1
7.5°	2260.4	2286.6	2302.4	2341.8	2326.1
10°	2249.8	2297.2	2291.9	2294.5	2270.9
12.5°	2234.1	2278.8	2220.9	2260.4	2228.8
15°	2210.4	2270.9	2226.2	2178.9	2144.7
17.5°	2192.0	2255.1	2181.5	2068.5	2063.2
20°	2155.2	2189.4	2092.1	2010.7	1984.4
22.5°	2126.3	2165.7	1997.5	1942.3	1934.4
25°	2094.8	2107.9	1937.1	1895.0	1881.9
27.5°	2050.1	2076.4	1866.1	1845.1	1837.2
30°	2013.3	2013.3	1800.4	1800.4	1795.1
32.5°	1973.9	1929.2	1750.5	1753.1	1753.1
35°	1918.7	1845.1	1695.3	1708.4	1708.4
37.5°	1866.1	1742.6	1640.1	1661.1	1663.7
40°	1813.5	1663.7	1587.5	1611.2	1316.8
42.5°	1740.0	1577.0	1532.3	1240.6	938.3
45°	1682.1	1495.5	1477.1	901.5	307.5
47.5°	1616.4	1416.7	1419.3	286.5	283.9
50°	1534.9	1335.2	1111.8	270.7	276.0
52.5°	1474.5	1261.6	783.2	262.8	265.5
55°	1390.4	1180.1	265.5	252.3	249.7
57.5°	1311.5	1103.9	247.1	233.9	223.4
60°	1222.2	1022.4	233.9	207.6	199.8
62.5°	1130.2	940.9	215.5	184.0	178.7
65°	1035.6	743.8	189.2	163.0	160.3
67.5°	935.7	488.9	160.3	144.6	141.9
70°	825.3	191.9	139.3	126.2	120.9
72.5°	709.6	165.6	118.3	107.8	102.5
75°	583.5	136.7	97.2	86.7	84.1
77.5°	465.2	102.5	78.8	68.3	65.7
80°	346.9	76.2	60.5	52.6	49.9
82.5°	236.5	55.2	44.7	36.8	34.2
85°	123.5	36.8	31.5	23.7	21.0
87.5°	47.3	23.7	18.4	10.5	10.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)