

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: P218573

Luminaire Tested: **4SNLED-LD5-39SL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218573
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-LD5-39SL-RW-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4178.0 lumens
Efficiency: N/A
Efficacy: 136.5 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

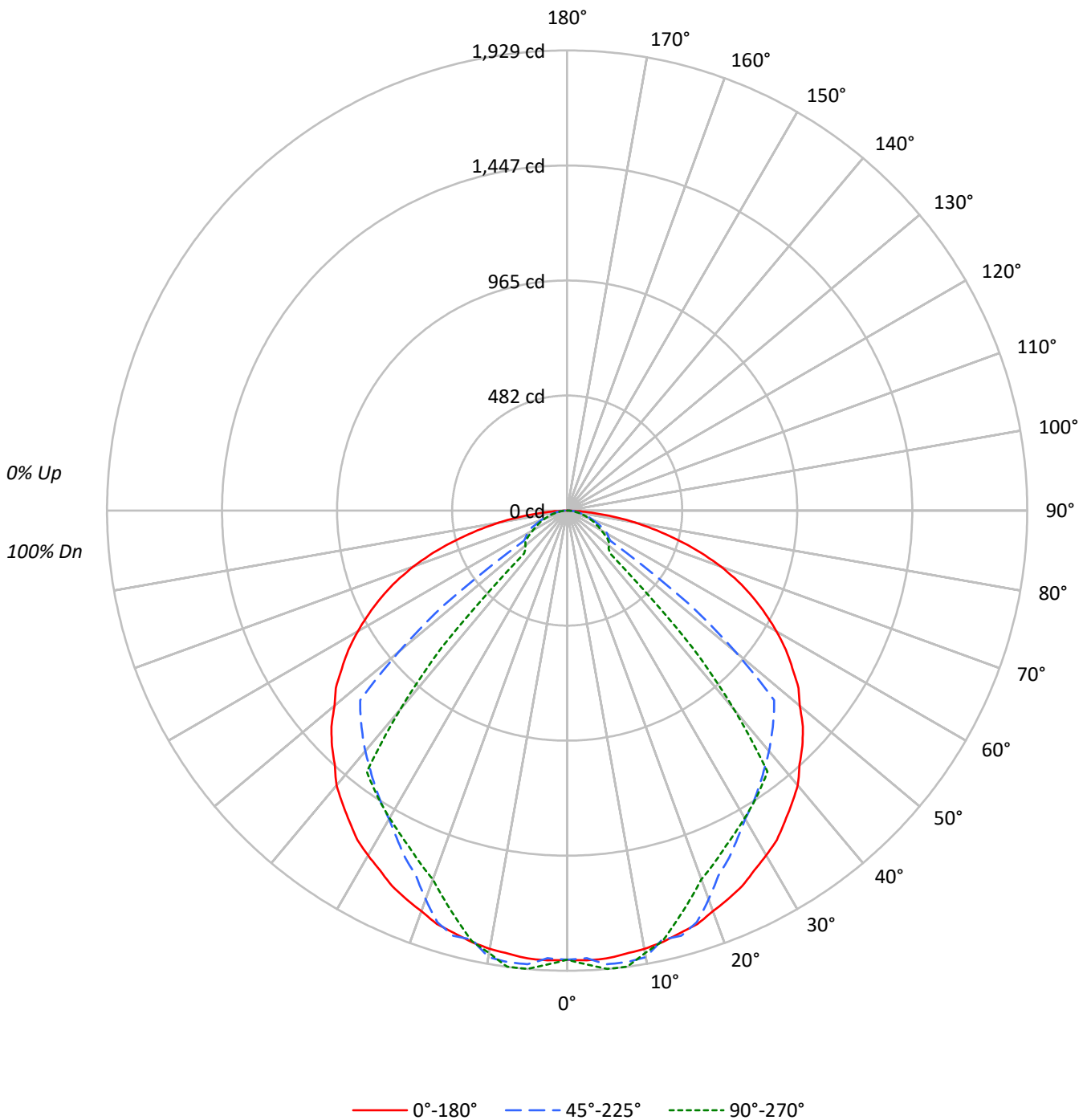
Input Watts (W): 30.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	30340	30340	30340
5°	30379	29009	28686
10°	30299	27519	26190
15°	30235	25716	23397
20°	30184	23457	20685
25°	30290	21255	18919
30°	30329	19488	17557
35°	30404	18241	16389
40°	30560	17112	12488
45°	30509	16071	2905
50°	30392	12305	2617
55°	30564	3013	2395
60°	30454	2747	1953
65°	30047	2319	1611
70°	28922	1800	1260
75°	26060	1338	917
80°	21586	898	576
85°	12816	514	259



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.7	4.4
10°-20°	515.3	12.3
20°-30°	758.9	18.2
30°-40°	913.4	21.9
40°-50°	782.3	18.7
50°-60°	506.2	12.1
60°-70°	336.5	8.1
70°-80°	143.5	3.4
80°-90°	40.1	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°	1455.9	34.8
0°-40°	2369.3	56.7
0°-60°	3657.8	87.6
0°-90°	4178.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4178.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1883	1883	1883	1883	1883	
5°	1885	1892	1909	1931	1929	179
15°	1833	1883	1846	1807	1778	518
25°	1737	1748	1606	1571	1560	800
35°	1591	1530	1406	1416	1416	997
45°	1395	1240	1225	748	255	1075
55°	1153	978	220	209	207	1031
65°	859	617	157	135	133	847
75°	484	113	81	72	70	513
85°	102	30	26	20	17	131
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1882.9	1882.9	1882.9	1882.9	1882.9
2.5°	1887.2	1880.7	1878.5	1902.5	1904.6
5°	1885.0	1891.6	1909.0	1930.8	1928.6
7.5°	1874.1	1895.9	1909.0	1941.7	1928.6
10°	1865.4	1904.6	1900.3	1902.5	1882.9
12.5°	1852.3	1889.4	1841.4	1874.1	1848.0
15°	1832.7	1882.9	1845.8	1806.6	1778.3
17.5°	1817.5	1869.8	1808.8	1715.1	1710.7
20°	1787.0	1815.3	1734.7	1667.1	1645.3
22.5°	1763.0	1795.7	1656.2	1610.5	1603.9
25°	1736.8	1747.7	1606.1	1571.2	1560.3
27.5°	1699.8	1721.6	1547.3	1529.8	1523.3
30°	1669.3	1669.3	1492.8	1492.8	1488.4
32.5°	1636.6	1599.6	1451.4	1453.5	1453.5
35°	1590.8	1529.8	1405.6	1416.5	1416.5
37.5°	1547.3	1444.8	1359.8	1377.3	1379.5
40°	1503.7	1379.5	1316.3	1335.9	1091.8
42.5°	1442.6	1307.5	1270.5	1028.6	778.0
45°	1394.7	1240.0	1224.7	747.5	255.0
47.5°	1340.2	1174.6	1176.8	237.5	235.4
50°	1272.7	1107.0	921.8	224.5	228.8
52.5°	1222.5	1046.0	649.4	217.9	220.1
55°	1152.8	978.5	220.1	209.2	207.0
57.5°	1087.4	915.3	204.8	194.0	185.2
60°	1013.3	847.7	194.0	172.2	165.6
62.5°	937.1	780.2	178.7	152.5	148.2
65°	858.6	616.7	156.9	135.1	132.9
67.5°	775.8	405.3	132.9	119.9	117.7
70°	684.3	159.1	115.5	104.6	100.2
72.5°	588.4	137.3	98.1	89.3	85.0
75°	483.8	113.3	80.6	71.9	69.7
77.5°	385.7	85.0	65.4	56.7	54.5
80°	287.7	63.2	50.1	43.6	41.4
82.5°	196.1	45.8	37.0	30.5	28.3
85°	102.4	30.5	26.2	19.6	17.4
87.5°	39.2	19.6	15.3	8.7	8.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)