

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: P218575

Luminaire Tested: **4SNLED-LD5-39SL-RW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218575  
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-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4610.0 lumens  
Efficiency: N/A  
Efficacy: 150.7 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

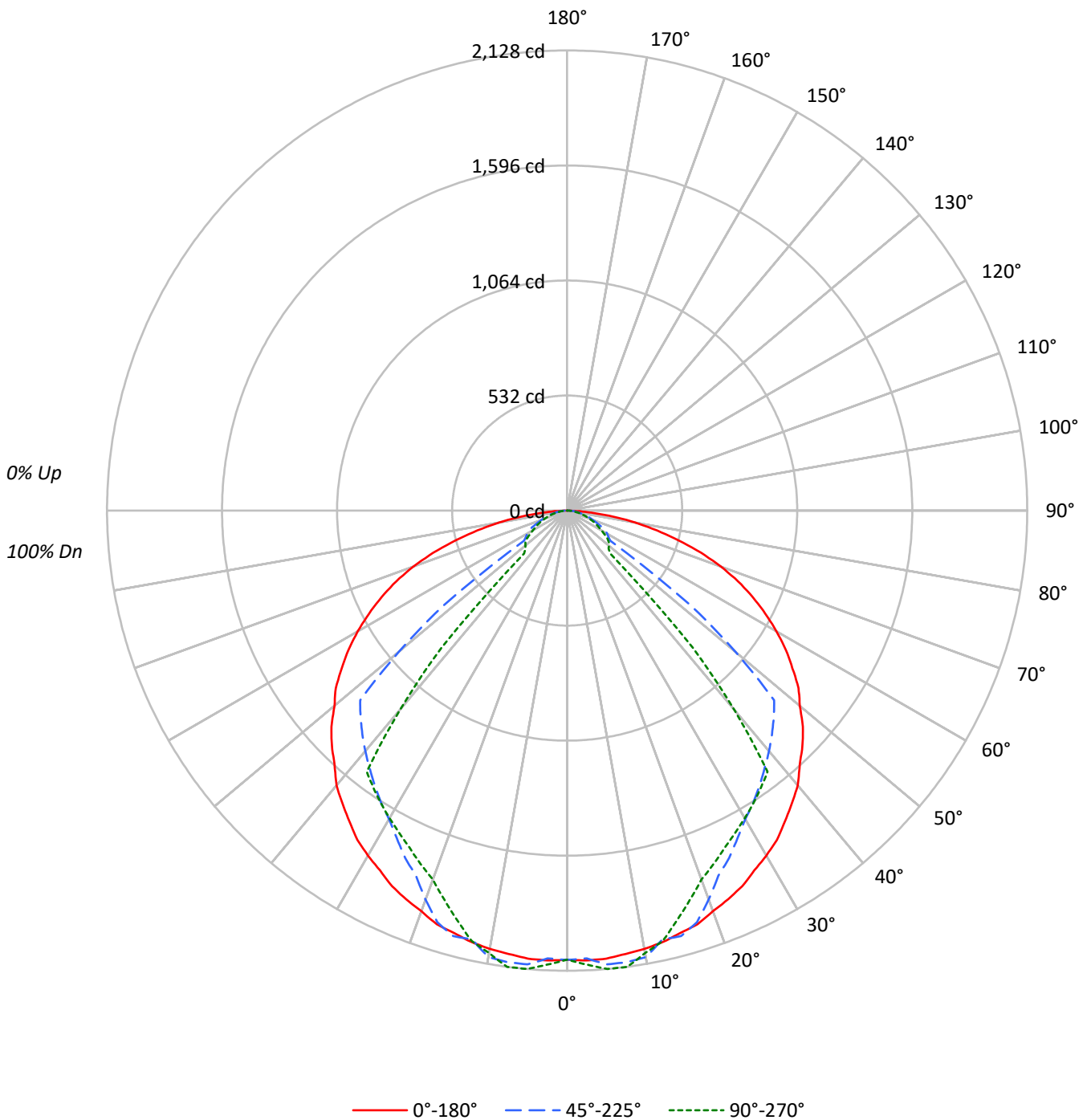
Input Watts (W): 30.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	33476	33476	33476
5°	33520	32009	31652
10°	33432	30364	28897
15°	33361	28376	25815
20°	33304	25882	22823
25°	33422	23453	20876
30°	33465	21502	19373
35°	33548	20127	18084
40°	33718	18881	13779
45°	33663	17733	3205
50°	33535	13578	2888
55°	33724	3325	2643
60°	33603	3030	2155
65°	33154	2558	1779
70°	31910	1985	1390
75°	28753	1478	1012
80°	23814	991	636
85°	14143	567	286



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.5	4.4
10°-20°	568.5	12.3
20°-30°	837.4	18.2
30°-40°	1007.9	21.9
40°-50°	863.2	18.7
50°-60°	558.6	12.1
60°-70°	371.3	8.1
70°-80°	158.4	3.4
80°-90°	44.3	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°	1606.4	34.8
0°-40°	2614.3	56.7
0°-60°	4036.1	87.6
0°-90°	4610.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4610.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2078	2078	2078	2078	2078	
5°	2080	2087	2106	2130	2128	198
15°	2022	2078	2037	1993	1962	572
25°	1916	1928	1772	1734	1722	883
35°	1755	1688	1551	1563	1563	1100
45°	1539	1368	1351	825	281	1186
55°	1272	1080	243	231	228	1137
65°	947	680	173	149	147	934
75°	534	125	89	79	77	566
85°	113	34	29	22	19	145
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2077.5	2077.5	2077.5	2077.5	2077.5
2.5°	2082.3	2075.1	2072.7	2099.2	2101.6
5°	2079.9	2087.2	2106.4	2130.4	2128.0
7.5°	2067.9	2092.0	2106.4	2142.5	2128.0
10°	2058.3	2101.6	2096.8	2099.2	2077.5
12.5°	2043.9	2084.8	2031.9	2067.9	2039.1
15°	2022.2	2077.5	2036.7	1993.4	1962.1
17.5°	2005.4	2063.1	1995.8	1892.4	1887.6
20°	1971.7	2003.0	1914.0	1839.5	1815.4
22.5°	1945.3	1981.4	1827.5	1777.0	1769.8
25°	1916.4	1928.5	1772.2	1733.7	1721.7
27.5°	1875.6	1899.6	1707.2	1688.0	1680.8
30°	1841.9	1841.9	1647.1	1647.1	1642.3
32.5°	1805.8	1764.9	1601.4	1603.8	1603.8
35°	1755.3	1688.0	1550.9	1563.0	1563.0
37.5°	1707.2	1594.2	1500.4	1519.7	1522.1
40°	1659.1	1522.1	1452.4	1474.0	1204.7
42.5°	1591.8	1442.7	1401.9	1135.0	858.4
45°	1538.9	1368.2	1351.4	824.8	281.3
47.5°	1478.8	1296.1	1298.5	262.1	259.7
50°	1404.3	1221.5	1017.1	247.7	252.5
52.5°	1349.0	1154.2	716.6	240.5	242.9
55°	1272.0	1079.6	242.9	230.8	228.4
57.5°	1199.9	1009.9	226.0	214.0	204.4
60°	1118.1	935.4	214.0	190.0	182.7
62.5°	1034.0	860.8	197.2	168.3	163.5
65°	947.4	680.5	173.1	149.1	146.7
67.5°	856.0	447.2	146.7	132.3	129.8
70°	755.0	175.5	127.4	115.4	110.6
72.5°	649.2	151.5	108.2	98.6	93.8
75°	533.8	125.0	89.0	79.4	76.9
77.5°	425.6	93.8	72.1	62.5	60.1
80°	317.4	69.7	55.3	48.1	45.7
82.5°	216.4	50.5	40.9	33.7	31.3
85°	113.0	33.7	28.9	21.6	19.2
87.5°	43.3	21.6	16.8	9.6	9.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)