

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: P217983

Luminaire Tested: **4SNLED-LD5-60SL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217983
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-60SL-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5730.0 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

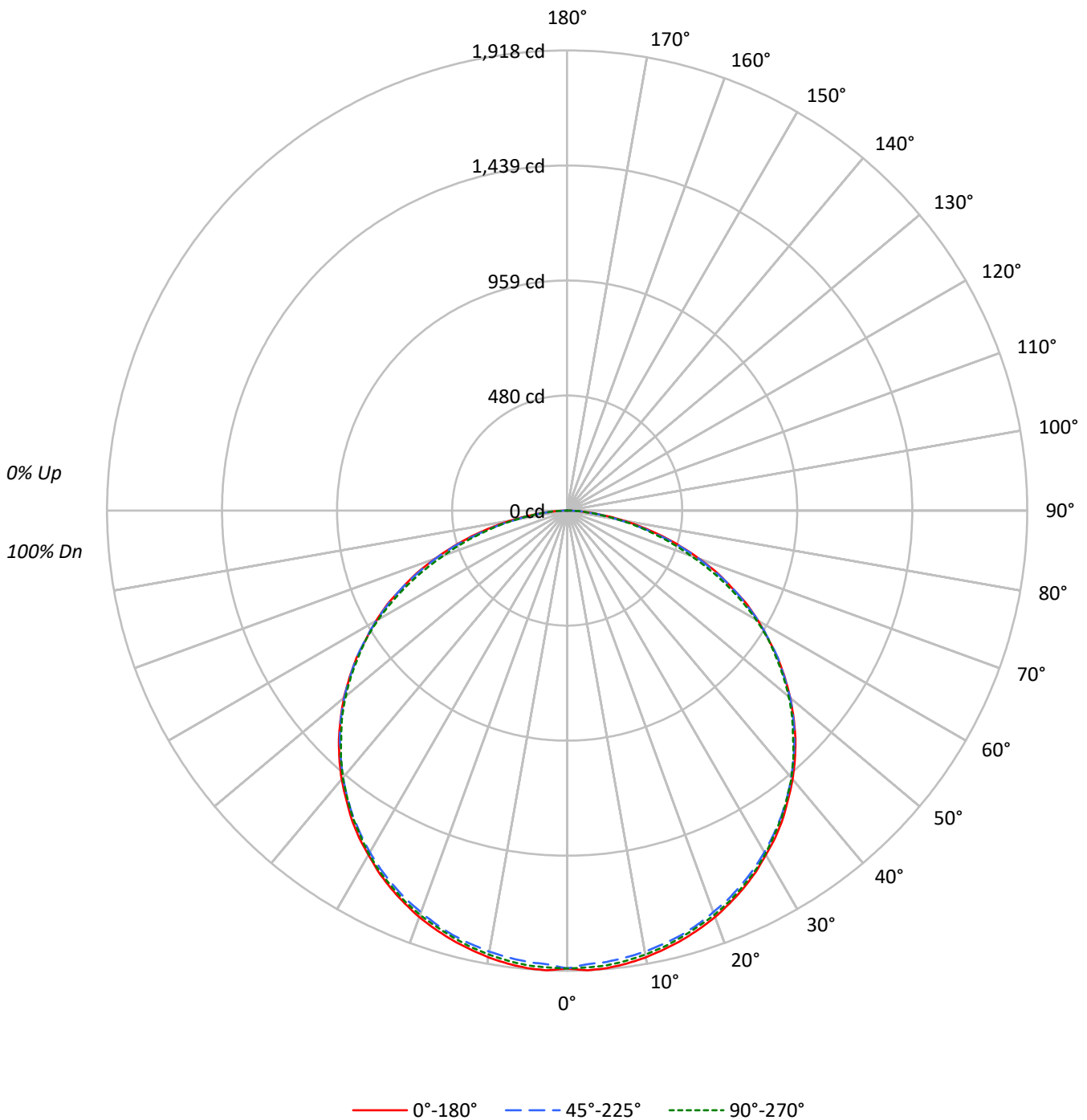
Input Watts (W): 47.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	99	95	106	101	97	94	97	94	91		93	91	88		90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	70	64	87	77	70	63	74	68	62		71	66	61		69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25		36	30	25		36	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30750	30750	30750
5°	30851	28697	28296
10°	30707	27032	26131
15°	30567	25538	24222
20°	30460	24090	22547
25°	30309	22763	20977
30°	30100	21472	19495
35°	29959	20188	18044
40°	29722	18883	16636
45°	29433	17578	15173
50°	29010	16190	13780
55°	28424	14678	12289
60°	27635	13020	10730
65°	26421	11188	8890
70°	24708	9046	6876
75°	22096	6516	4927
80°	17692	3871	3060
85°	10914	1672	1238



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.9	3.2
10°-20°	520.6	9.1
20°-30°	797.7	13.9
30°-40°	976.3	17.0
40°-50°	1033.2	18.0
50°-60°	955.6	16.7
60°-70°	742.0	12.9
70°-80°	418.0	7.3
80°-90°	105.7	1.8
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°	1499.2	26.2
0°-40°	2475.5	43.2
0°-60°	4464.3	77.9
0°-90°	5730.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5730.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1908	1908	1908	1908	1908	
5°	1914	1906	1888	1906	1902	182
15°	1853	1847	1833	1849	1841	523
25°	1738	1732	1720	1734	1730	801
35°	1568	1562	1556	1560	1560	980
45°	1346	1344	1340	1338	1332	1037
55°	1072	1076	1072	1068	1062	956
65°	755	761	757	747	733	749
75°	410	410	392	382	374	432
85°	87	87	85	85	83	109
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1908.3	1908.3	1908.3	1908.3	1908.3
2.5°	1918.2	1910.3	1892.5	1910.3	1906.3
5°	1914.3	1906.3	1888.5	1906.3	1902.4
7.5°	1904.4	1898.4	1878.6	1896.4	1892.5
10°	1890.5	1884.6	1866.7	1884.6	1878.6
12.5°	1872.7	1866.7	1850.9	1866.7	1862.8
15°	1852.8	1846.9	1833.0	1848.9	1841.0
17.5°	1829.1	1825.1	1809.2	1825.1	1817.2
20°	1803.3	1795.4	1781.5	1797.4	1793.4
22.5°	1771.6	1767.6	1753.8	1767.6	1763.7
25°	1737.9	1732.0	1720.1	1733.9	1730.0
27.5°	1700.3	1696.3	1684.4	1694.3	1694.3
30°	1656.7	1654.7	1644.8	1654.7	1652.7
32.5°	1615.0	1611.1	1601.2	1609.1	1605.1
35°	1567.5	1561.5	1555.6	1559.6	1559.6
37.5°	1514.0	1512.0	1506.1	1512.0	1506.1
40°	1462.5	1458.5	1452.6	1454.5	1454.5
42.5°	1405.0	1403.0	1397.1	1397.1	1395.1
45°	1345.5	1343.6	1339.6	1337.6	1331.7
47.5°	1280.1	1278.2	1278.2	1276.2	1272.2
50°	1214.8	1214.8	1212.8	1206.8	1204.8
52.5°	1143.4	1147.4	1141.4	1137.5	1135.5
55°	1072.1	1076.0	1072.1	1068.1	1062.2
57.5°	992.8	1000.7	994.8	992.8	990.8
60°	919.5	923.4	919.5	913.5	909.6
62.5°	844.2	844.2	838.2	834.3	822.4
65°	755.0	761.0	757.0	747.1	733.2
67.5°	675.7	671.8	667.8	655.9	640.1
70°	584.6	586.6	580.6	562.8	546.9
72.5°	497.4	501.4	489.5	465.7	461.7
75°	410.2	410.2	392.4	382.5	374.5
77.5°	321.0	323.0	299.2	297.2	295.3
80°	235.8	239.8	216.0	221.9	220.0
82.5°	160.5	156.6	146.6	146.6	144.7
85°	87.2	87.2	85.2	85.2	83.2
87.5°	33.7	35.7	39.6	43.6	41.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)