

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: P217985

Luminaire Tested: **4SNLED-LD5-60SL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217985
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6209.0 lumens
Efficiency: N/A
Efficacy: 131.8 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

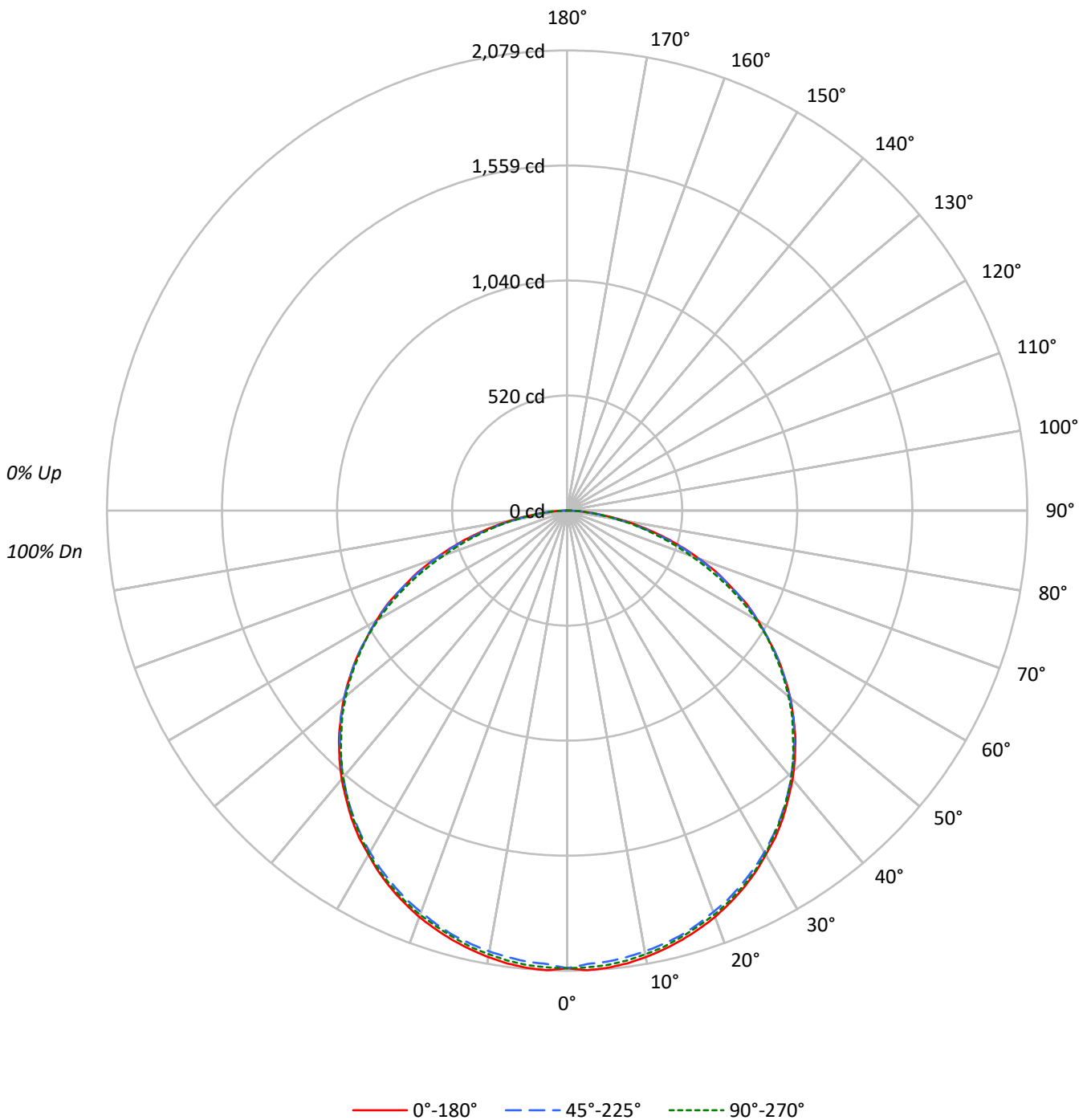
Input Watts (W): 47.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P217985

CATALOG NUMBER: 4SNLED-LD5-60SL-UNV-L840-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P217985

CATALOG NUMBER: 4SNLED-LD5-60SL-UNV-L840-CD1-U

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	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					100			
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37					37			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32					32			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33321	33321	33321
5°	33430	31097	30661
10°	33273	29293	28314
15°	33122	27673	26245
20°	33005	26103	24431
25°	32843	24666	22730
30°	32614	23267	21125
35°	32462	21875	19552
40°	32206	20462	18027
45°	31894	19048	16442
50°	31434	17544	14933
55°	30800	15904	13317
60°	29946	14109	11626
65°	28629	12124	9634
70°	26775	9803	7451
75°	23943	7061	5339
80°	19170	4196	3316
85°	11827	1812	1342



TEST NUMBER: P217985

CATALOG NUMBER: 4SNLED-LD5-60SL-UNV-L840-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.0	3.2
10°-20°	564.2	9.1
20°-30°	864.4	13.9
30°-40°	1058.0	17.0
40°-50°	1119.6	18.0
50°-60°	1035.5	16.7
60°-70°	804.1	12.9
70°-80°	452.9	7.3
80°-90°	114.5	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°	1624.5	26.2
0°-40°	2682.4	43.2
0°-60°	4837.5	77.9
0°-90°	6209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6209.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2068	2068	2068	2068	2068	
5°	2074	2066	2046	2066	2061	197
15°	2008	2001	1986	2003	1995	567
25°	1883	1877	1864	1879	1875	868
35°	1698	1692	1686	1690	1690	1062
45°	1458	1456	1452	1449	1443	1124
55°	1162	1166	1162	1157	1151	1036
65°	818	825	820	810	794	812
75°	444	444	425	414	406	468
85°	94	94	92	92	90	118
90°	0	0	0	0	0	



TEST NUMBER: P217985

CATALOG NUMBER: 4SNLED-LD5-60SL-UNV-L840-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2067.9	2067.9	2067.9	2067.9	2067.9
2.5°	2078.6	2070.0	2050.7	2070.0	2065.7
5°	2074.3	2065.7	2046.4	2065.7	2061.4
7.5°	2063.6	2057.1	2035.6	2055.0	2050.7
10°	2048.5	2042.1	2022.8	2042.1	2035.6
12.5°	2029.2	2022.8	2005.6	2022.8	2018.5
15°	2007.7	2001.3	1986.3	2003.4	1994.8
17.5°	1982.0	1977.7	1960.5	1977.7	1969.1
20°	1954.0	1945.5	1930.4	1947.6	1943.3
22.5°	1919.7	1915.4	1900.4	1915.4	1911.1
25°	1883.2	1876.7	1863.9	1878.9	1874.6
27.5°	1842.4	1838.1	1825.2	1835.9	1835.9
30°	1795.1	1793.0	1782.3	1793.0	1790.9
32.5°	1750.1	1745.8	1735.0	1743.6	1739.3
35°	1698.5	1692.1	1685.6	1689.9	1689.9
37.5°	1640.5	1638.4	1632.0	1638.4	1632.0
40°	1584.7	1580.4	1574.0	1576.1	1576.1
42.5°	1522.4	1520.3	1513.9	1513.9	1511.7
45°	1458.0	1455.9	1451.6	1449.4	1443.0
47.5°	1387.2	1385.0	1385.0	1382.9	1378.6
50°	1316.3	1316.3	1314.2	1307.7	1305.6
52.5°	1239.0	1243.3	1236.8	1232.6	1230.4
55°	1161.7	1166.0	1161.7	1157.4	1151.0
57.5°	1075.8	1084.4	1077.9	1075.8	1073.7
60°	996.4	1000.6	996.4	989.9	985.6
62.5°	914.8	914.8	908.3	904.0	891.1
65°	818.1	824.6	820.3	809.5	794.5
67.5°	732.2	727.9	723.6	710.8	693.6
70°	633.5	635.6	629.2	609.8	592.7
72.5°	539.0	543.3	530.4	504.6	500.3
75°	444.5	444.5	425.2	414.4	405.8
77.5°	347.9	350.0	324.2	322.1	319.9
80°	255.5	259.8	234.1	240.5	238.4
82.5°	173.9	169.6	158.9	158.9	156.8
85°	94.5	94.5	92.3	92.3	90.2
87.5°	36.5	38.7	42.9	47.2	45.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)