

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: P217984

Luminaire Tested: **4SNLED-LD5-60SL-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217984  
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-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6087.0 lumens  
Efficiency: N/A  
Efficacy: 129.2 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

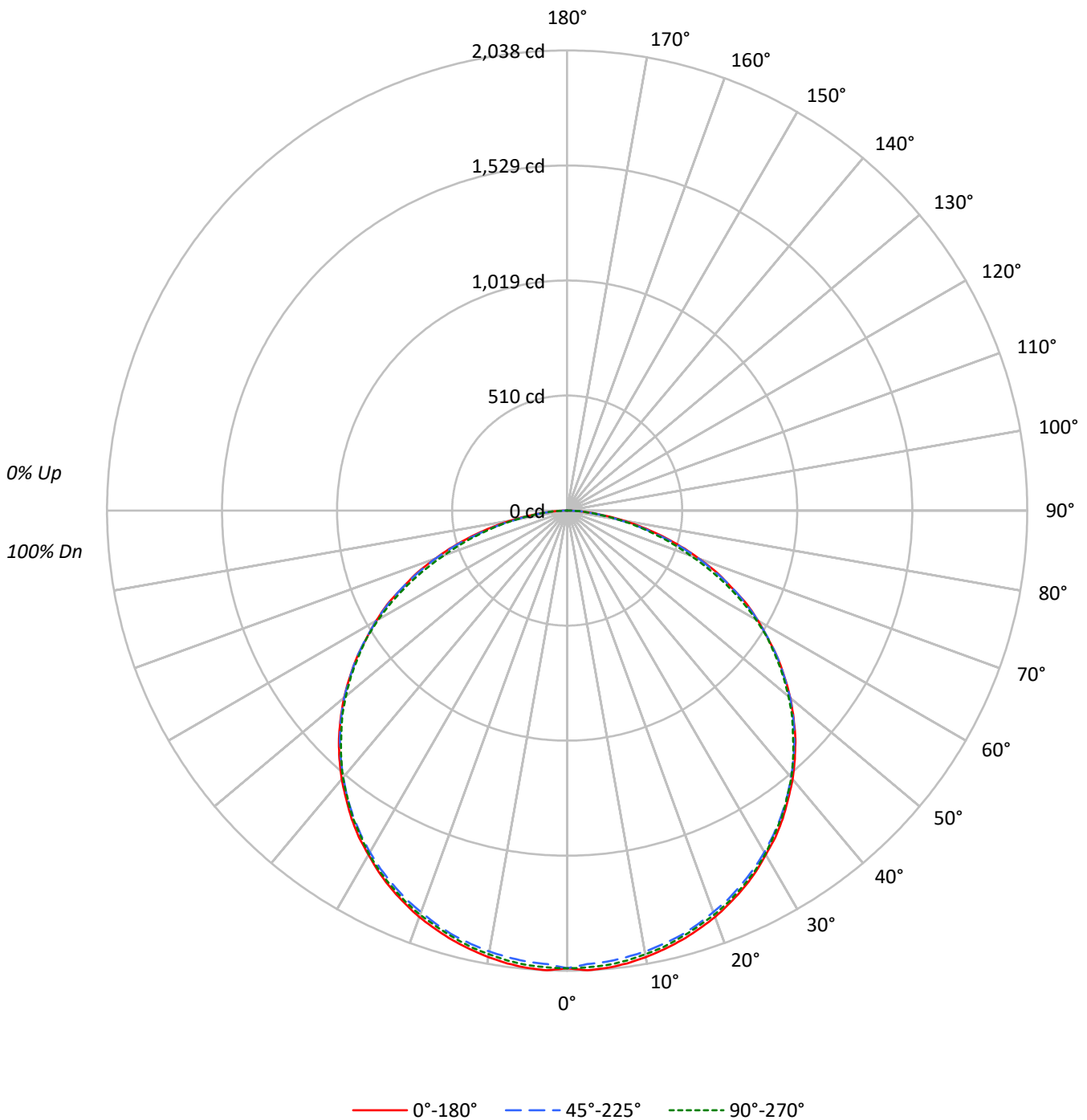
Input Watts (W): 47.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	32666	32666	32666
5°	32773	30486	30059
10°	32620	28716	27758
15°	32472	27129	25731
20°	32358	25591	23951
25°	32198	24181	22284
30°	31975	22809	20710
35°	31824	21445	19168
40°	31574	20059	17673
45°	31268	18674	16118
50°	30815	17198	14639
55°	30195	15592	13054
60°	29357	13832	11397
65°	28066	11886	9444
70°	26247	9610	7304
75°	23475	6921	5235
80°	18795	4113	3251
85°	11590	1776	1315



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	192.1	3.2
10°-20°	553.1	9.1
20°-30°	847.4	13.9
30°-40°	1037.2	17.0
40°-50°	1097.6	18.0
50°-60°	1015.1	16.7
60°-70°	788.3	12.9
70°-80°	444.0	7.3
80°-90°	112.3	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°	1592.6	26.2
0°-40°	2629.7	43.2
0°-60°	4742.5	77.9
0°-90°	6087.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6087.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2027	2027	2027	2027	2027	
5°	2034	2025	2006	2025	2021	193
15°	1968	1962	1947	1964	1956	556
25°	1846	1840	1827	1842	1838	851
35°	1665	1659	1652	1657	1657	1041
45°	1429	1427	1423	1421	1415	1102
55°	1139	1143	1139	1135	1128	1016
65°	802	808	804	794	779	796
75°	436	436	417	406	398	459
85°	93	93	90	90	88	115
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2027.2	2027.2	2027.2	2027.2	2027.2
2.5°	2037.8	2029.3	2010.4	2029.3	2025.1
5°	2033.5	2025.1	2006.2	2025.1	2020.9
7.5°	2023.0	2016.7	1995.6	2014.6	2010.4
10°	2008.3	2002.0	1983.0	2002.0	1995.6
12.5°	1989.3	1983.0	1966.2	1983.0	1978.8
15°	1968.3	1962.0	1947.2	1964.1	1955.7
17.5°	1943.0	1938.8	1922.0	1938.8	1930.4
20°	1915.7	1907.2	1892.5	1909.3	1905.1
22.5°	1882.0	1877.8	1863.0	1877.8	1873.6
25°	1846.2	1839.9	1827.2	1842.0	1837.8
27.5°	1806.2	1802.0	1789.3	1799.9	1799.9
30°	1759.9	1757.8	1747.2	1757.8	1755.7
32.5°	1715.7	1711.5	1700.9	1709.4	1705.1
35°	1665.1	1658.8	1652.5	1656.7	1656.7
37.5°	1608.3	1606.2	1599.9	1606.2	1599.9
40°	1553.6	1549.4	1543.0	1545.2	1545.2
42.5°	1492.5	1490.4	1484.1	1484.1	1482.0
45°	1429.4	1427.3	1423.1	1421.0	1414.6
47.5°	1359.9	1357.8	1357.8	1355.7	1351.5
50°	1290.4	1290.4	1288.3	1282.0	1279.9
52.5°	1214.7	1218.9	1212.5	1208.3	1206.2
55°	1138.9	1143.1	1138.9	1134.7	1128.3
57.5°	1054.7	1063.1	1056.8	1054.7	1052.6
60°	976.8	981.0	976.8	970.5	966.2
62.5°	896.8	896.8	890.5	886.3	873.6
65°	802.0	808.4	804.2	793.6	778.9
67.5°	717.8	713.6	709.4	696.8	680.0
70°	621.0	623.1	616.8	597.9	581.0
72.5°	528.4	532.6	520.0	494.7	490.5
75°	435.8	435.8	416.8	406.3	397.9
77.5°	341.0	343.1	317.9	315.8	313.7
80°	250.5	254.7	229.5	235.8	233.7
82.5°	170.5	166.3	155.8	155.8	153.7
85°	92.6	92.6	90.5	90.5	88.4
87.5°	35.8	37.9	42.1	46.3	44.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)