

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: P217986

Luminaire Tested: **4SNLED-LD5-60SL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217986  
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-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6716.0 lumens  
Efficiency: N/A  
Efficacy: 142.6 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

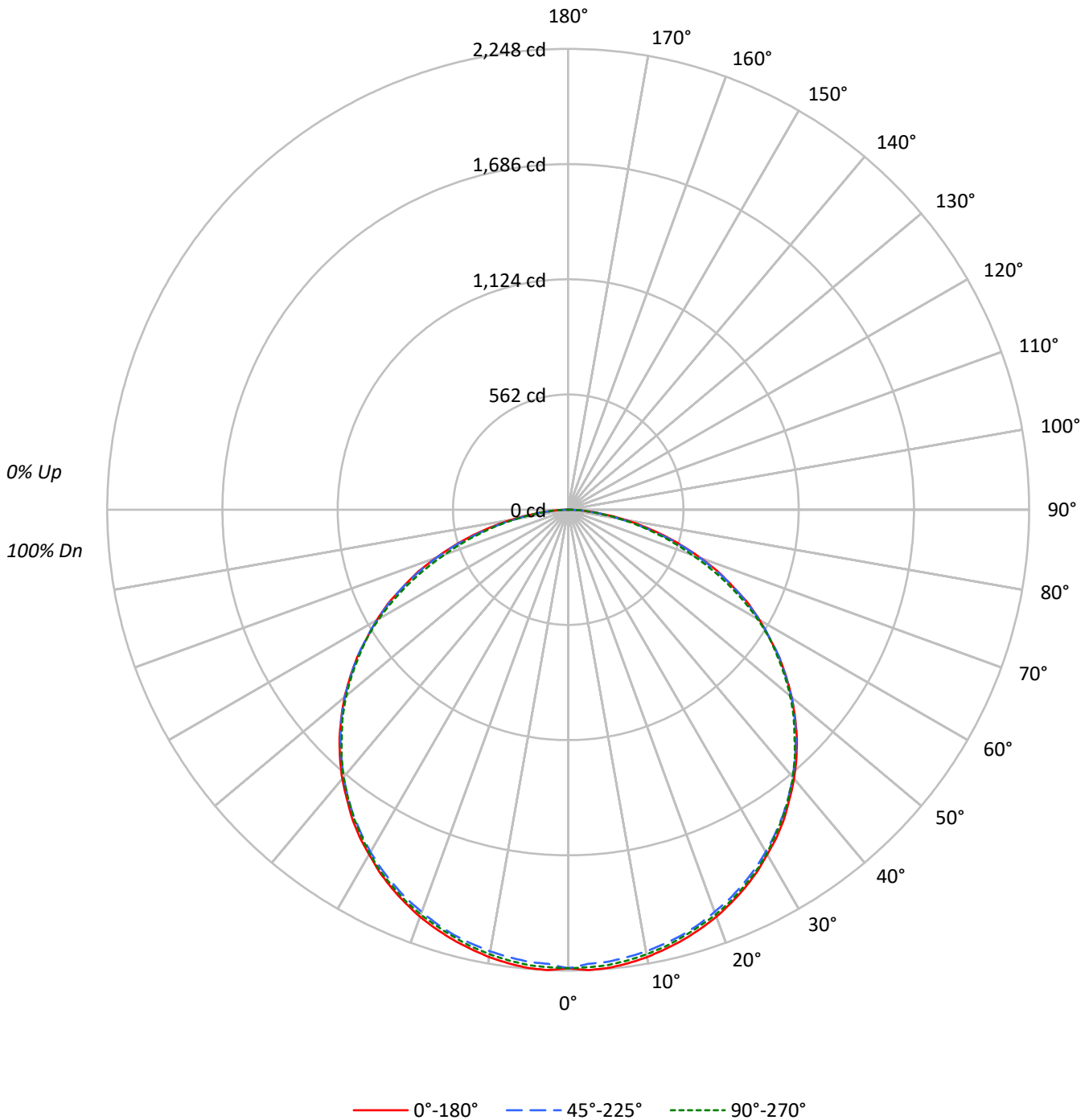
Input Watts (W): 47.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	36041	36041	36041
5°	36160	33636	33164
10°	35990	31684	30628
15°	35828	29932	28388
20°	35701	28236	26426
25°	35525	26680	24586
30°	35278	25166	22850
35°	35113	23662	21149
40°	34835	22132	19499
45°	34499	20603	17784
50°	34001	18976	16152
55°	33316	17204	14403
60°	32389	15261	12576
65°	30967	13114	10420
70°	28960	10602	8060
75°	25898	7637	5776
80°	20738	4538	3586
85°	12791	1961	1452



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	212.0	3.2
10°-20°	610.2	9.1
20°-30°	934.9	13.9
30°-40°	1144.3	17.0
40°-50°	1211.0	18.0
50°-60°	1120.0	16.7
60°-70°	869.7	12.9
70°-80°	489.9	7.3
80°-90°	123.9	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°	1757.1	26.2
0°-40°	2901.5	43.2
0°-60°	5232.5	77.9
0°-90°	6716.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6716.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2237	2237	2237	2237	2237	
5°	2244	2234	2214	2234	2230	213
15°	2172	2165	2148	2167	2158	613
25°	2037	2030	2016	2032	2028	939
35°	1837	1830	1823	1828	1828	1149
45°	1577	1575	1570	1568	1561	1215
55°	1257	1261	1257	1252	1245	1121
65°	885	892	887	876	859	878
75°	481	481	460	448	439	506
85°	102	102	100	100	98	127
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2236.7	2236.7	2236.7	2236.7	2236.7
2.5°	2248.3	2239.0	2218.1	2239.0	2234.4
5°	2243.7	2234.4	2213.5	2234.4	2229.7
7.5°	2232.1	2225.1	2201.9	2222.8	2218.1
10°	2215.8	2208.8	2187.9	2208.8	2201.9
12.5°	2194.9	2187.9	2169.4	2187.9	2183.3
15°	2171.7	2164.7	2148.4	2167.0	2157.7
17.5°	2143.8	2139.2	2120.6	2139.2	2129.9
20°	2113.6	2104.3	2088.1	2106.6	2102.0
22.5°	2076.4	2071.8	2055.5	2071.8	2067.2
25°	2037.0	2030.0	2016.1	2032.3	2027.7
27.5°	1992.8	1988.2	1974.3	1985.9	1985.9
30°	1941.7	1939.4	1927.8	1939.4	1937.1
32.5°	1893.0	1888.3	1876.7	1886.0	1881.3
35°	1837.2	1830.2	1823.3	1827.9	1827.9
37.5°	1774.5	1772.2	1765.2	1772.2	1765.2
40°	1714.1	1709.5	1702.5	1704.8	1704.8
42.5°	1646.8	1644.4	1637.5	1637.5	1635.1
45°	1577.1	1574.8	1570.1	1567.8	1560.8
47.5°	1500.4	1498.1	1498.1	1495.8	1491.1
50°	1423.8	1423.8	1421.5	1414.5	1412.2
52.5°	1340.2	1344.8	1337.8	1333.2	1330.9
55°	1256.6	1261.2	1256.6	1251.9	1244.9
57.5°	1163.6	1172.9	1166.0	1163.6	1161.3
60°	1077.7	1082.4	1077.7	1070.7	1066.1
62.5°	989.4	989.4	982.5	977.8	963.9
65°	884.9	891.9	887.3	875.6	859.4
67.5°	792.0	787.4	782.7	768.8	750.2
70°	685.2	687.5	680.5	659.6	641.1
72.5°	583.0	587.6	573.7	545.8	541.2
75°	480.8	480.8	459.9	448.3	439.0
77.5°	376.3	378.6	350.7	348.4	346.1
80°	276.4	281.0	253.2	260.1	257.8
82.5°	188.1	183.5	171.9	171.9	169.6
85°	102.2	102.2	99.9	99.9	97.6
87.5°	39.5	41.8	46.5	51.1	48.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)