

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: P217976

Luminaire Tested: **4SNLED-LD5-56SL-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217976  
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-LD5-56SL-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5679.0 lumens  
Efficiency: N/A  
Efficacy: 132.7 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

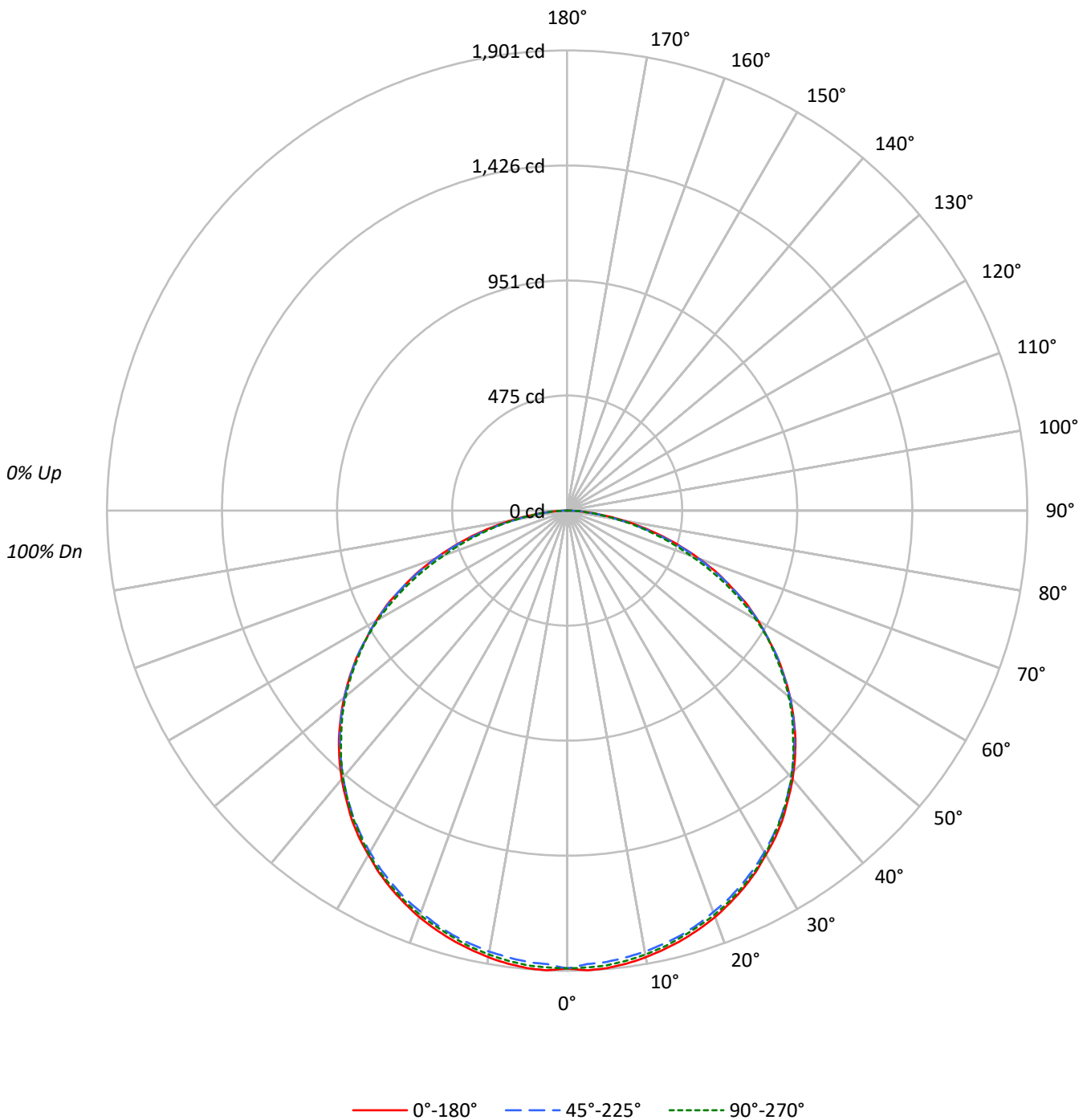
Input Watts (W): 42.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P217976

CATALOG NUMBER: 4SNLED-LD5-56SL-UNV-L835-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P217976

CATALOG NUMBER: 4SNLED-LD5-56SL-UNV-L835-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°	30476	30476	30476
5°	30576	28442	28045
10°	30434	26792	25898
15°	30296	25311	24006
20°	30189	23875	22345
25°	30039	22561	20790
30°	29831	21280	19322
35°	29691	20009	17884
40°	29456	18714	16488
45°	29172	17422	15038
50°	28749	16046	13658
55°	28170	14546	12180
60°	27388	12904	10634
65°	26187	11089	8811
70°	24488	8967	6815
75°	21902	6458	4884
80°	17534	3837	3032
85°	10814	1659	1227



TEST NUMBER: P217976

CATALOG NUMBER: 4SNLED-LD5-56SL-UNV-L835-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.2	3.2
10°-20°	516.0	9.1
20°-30°	790.6	13.9
30°-40°	967.7	17.0
40°-50°	1024.0	18.0
50°-60°	947.1	16.7
60°-70°	735.4	12.9
70°-80°	414.2	7.3
80°-90°	104.8	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°	1485.8	26.2
0°-40°	2453.5	43.2
0°-60°	4424.6	77.9
0°-90°	5679.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5679.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1891	1891	1891	1891	1891	
5°	1897	1889	1872	1889	1886	180
15°	1836	1830	1817	1832	1825	519
25°	1722	1716	1705	1718	1715	794
35°	1554	1548	1542	1546	1546	971
45°	1334	1332	1328	1326	1320	1028
55°	1062	1066	1062	1059	1053	948
65°	748	754	750	740	727	742
75°	407	407	389	379	371	428
85°	86	86	84	84	82	108
90°	0	0	0	0	0	



TEST NUMBER: P217976

CATALOG NUMBER: 4SNLED-LD5-56SL-UNV-L835-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1891.3	1891.3	1891.3	1891.3	1891.3
2.5°	1901.2	1893.3	1875.6	1893.3	1889.4
5°	1897.2	1889.4	1871.7	1889.4	1885.5
7.5°	1887.4	1881.5	1861.9	1879.6	1875.6
10°	1873.7	1867.8	1850.1	1867.8	1861.9
12.5°	1856.0	1850.1	1834.4	1850.1	1846.2
15°	1836.4	1830.5	1816.7	1832.4	1824.6
17.5°	1812.8	1808.9	1793.1	1808.9	1801.0
20°	1787.3	1779.4	1765.6	1781.4	1777.4
22.5°	1755.8	1751.9	1738.2	1751.9	1748.0
25°	1722.4	1716.5	1704.8	1718.5	1714.6
27.5°	1685.1	1681.2	1669.4	1679.2	1679.2
30°	1641.9	1640.0	1630.1	1640.0	1638.0
32.5°	1600.7	1596.7	1586.9	1594.8	1590.9
35°	1553.5	1547.6	1541.8	1545.7	1545.7
37.5°	1500.5	1498.5	1492.7	1498.5	1492.7
40°	1449.4	1445.5	1439.6	1441.6	1441.6
42.5°	1392.5	1390.5	1384.6	1384.6	1382.7
45°	1333.6	1331.6	1327.7	1325.7	1319.8
47.5°	1268.8	1266.8	1266.8	1264.8	1260.9
50°	1203.9	1203.9	1202.0	1196.1	1194.1
52.5°	1133.2	1137.2	1131.3	1127.3	1125.4
55°	1062.5	1066.5	1062.5	1058.6	1052.7
57.5°	984.0	991.8	985.9	984.0	982.0
60°	911.3	915.2	911.3	905.4	901.5
62.5°	836.7	836.7	830.8	826.8	815.1
65°	748.3	754.2	750.3	740.4	726.7
67.5°	669.7	665.8	661.9	650.1	634.4
70°	579.4	581.3	575.5	557.8	542.1
72.5°	493.0	496.9	485.1	461.5	457.6
75°	406.6	406.6	388.9	379.1	371.2
77.5°	318.2	320.1	296.6	294.6	292.6
80°	233.7	237.6	214.1	220.0	218.0
82.5°	159.1	155.2	145.3	145.3	143.4
85°	86.4	86.4	84.5	84.5	82.5
87.5°	33.4	35.4	39.3	43.2	41.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)