

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: P218582

Luminaire Tested: **4SNLED-LD5-46SL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218582  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35689)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-46SL-RW-UNV-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5140.0 lumens  
Efficiency: N/A  
Efficacy: 132.8 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

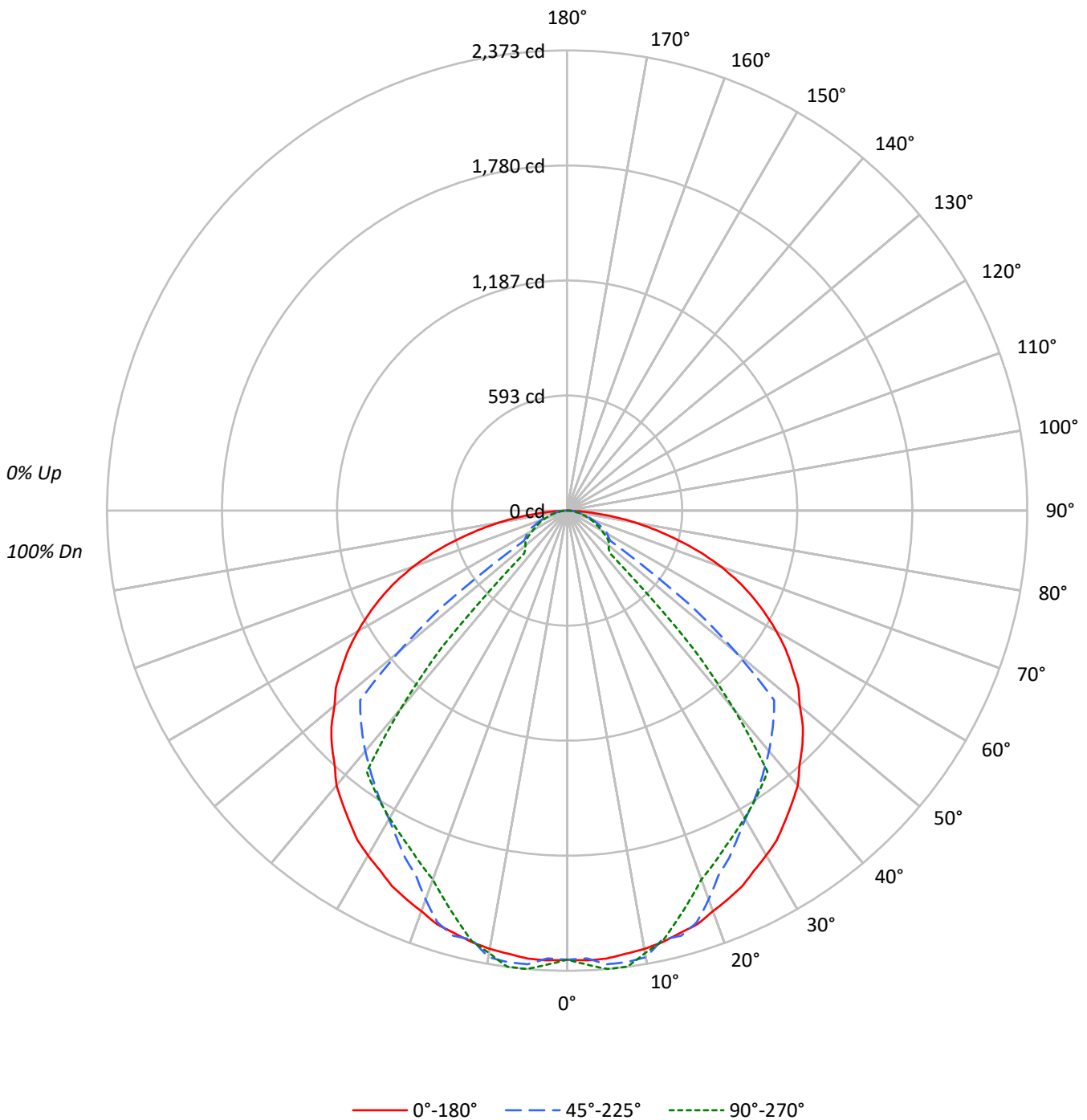
Input Watts (W): 38.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P218582

CATALOG NUMBER: 4SNLED-LD5-46SL-RW-UNV-L840-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P218582

CATALOG NUMBER: 4SNLED-LD5-46SL-RW-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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87					87			
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75					75			
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65					65			
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57					57			
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52	50					50			
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45					45			
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40					40			
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36					36			
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33					33			
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30					30			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	37326	37326	37326
5°	37375	35689	35291
10°	37275	33854	32220
15°	37197	31637	28783
20°	37133	28858	25448
25°	37266	26149	23276
30°	37311	23975	21600
35°	37405	22441	20163
40°	37595	21050	15363
45°	37533	19771	3574
50°	37389	15139	3220
55°	37603	3707	2947
60°	37468	3379	2404
65°	36965	2853	1982
70°	35579	2214	1550
75°	32061	1647	1129
80°	26553	1106	708
85°	15770	632	318



TEST NUMBER: P218582

CATALOG NUMBER: 4SNLED-LD5-46SL-RW-UNV-L840-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	223.6	4.4
10°-20°	633.9	12.3
20°-30°	933.6	18.2
30°-40°	1123.7	21.9
40°-50°	962.4	18.7
50°-60°	622.8	12.1
60°-70°	414.0	8.1
70°-80°	176.6	3.4
80°-90°	49.4	1.0
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°	1791.1	34.8
0°-40°	2914.9	56.7
0°-60°	4500.1	87.6
0°-90°	5140.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5140.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2316	2316	2316	2316	2316	
5°	2319	2327	2349	2375	2373	220
15°	2255	2316	2271	2223	2188	638
25°	2137	2150	1976	1933	1920	984
35°	1957	1882	1729	1743	1743	1226
45°	1716	1526	1507	920	314	1323
55°	1418	1204	271	257	255	1268
65°	1056	759	193	166	164	1042
75°	595	139	99	88	86	631
85°	126	38	32	24	21	161
90°	0	0	0	0	0	



TEST NUMBER: P218582

CATALOG NUMBER: 4SNLED-LD5-46SL-RW-UNV-L840-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2316.4	2316.4	2316.4	2316.4	2316.4
2.5°	2321.8	2313.7	2311.0	2340.5	2343.2
5°	2319.1	2327.1	2348.6	2375.4	2372.7
7.5°	2305.7	2332.5	2348.6	2388.8	2372.7
10°	2294.9	2343.2	2337.8	2340.5	2316.4
12.5°	2278.9	2324.4	2265.4	2305.7	2273.5
15°	2254.7	2316.4	2270.8	2222.6	2187.7
17.5°	2236.0	2300.3	2225.2	2110.0	2104.6
20°	2198.4	2233.3	2134.1	2051.0	2024.2
22.5°	2168.9	2209.1	2037.6	1981.3	1973.2
25°	2136.8	2150.2	1975.9	1933.0	1919.6
27.5°	2091.2	2118.0	1903.5	1882.1	1874.0
30°	2053.6	2053.6	1836.5	1836.5	1831.1
32.5°	2013.4	1967.9	1785.5	1788.2	1788.2
35°	1957.1	1882.1	1729.2	1742.7	1742.7
37.5°	1903.5	1777.5	1672.9	1694.4	1697.1
40°	1849.9	1697.1	1619.3	1643.5	1343.2
42.5°	1774.8	1608.6	1563.0	1265.4	957.1
45°	1715.8	1525.5	1506.7	919.6	313.7
47.5°	1648.8	1445.1	1447.7	292.2	289.5
50°	1565.7	1362.0	1134.1	276.1	281.5
52.5°	1504.0	1286.9	798.9	268.1	270.8
55°	1418.3	1203.8	270.8	257.4	254.7
57.5°	1337.8	1126.0	252.0	238.6	227.9
60°	1246.7	1042.9	238.6	211.8	203.8
62.5°	1152.8	959.8	219.8	187.7	182.3
65°	1056.3	758.7	193.0	166.2	163.5
67.5°	954.4	498.7	163.5	147.5	144.8
70°	841.8	195.7	142.1	128.7	123.3
72.5°	723.9	168.9	120.6	109.9	104.6
75°	595.2	139.4	99.2	88.5	85.8
77.5°	474.5	104.6	80.4	69.7	67.0
80°	353.9	77.7	61.7	53.6	50.9
82.5°	241.3	56.3	45.6	37.5	34.9
85°	126.0	37.5	32.2	24.1	21.4
87.5°	48.3	24.1	18.8	10.7	10.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)