

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: P218417

Luminaire Tested: **4SNLED-LD5-19SL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218417  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-19SL-RM-UNV-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1972.1 lumens  
Efficiency: N/A  
Efficacy: 135.1 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

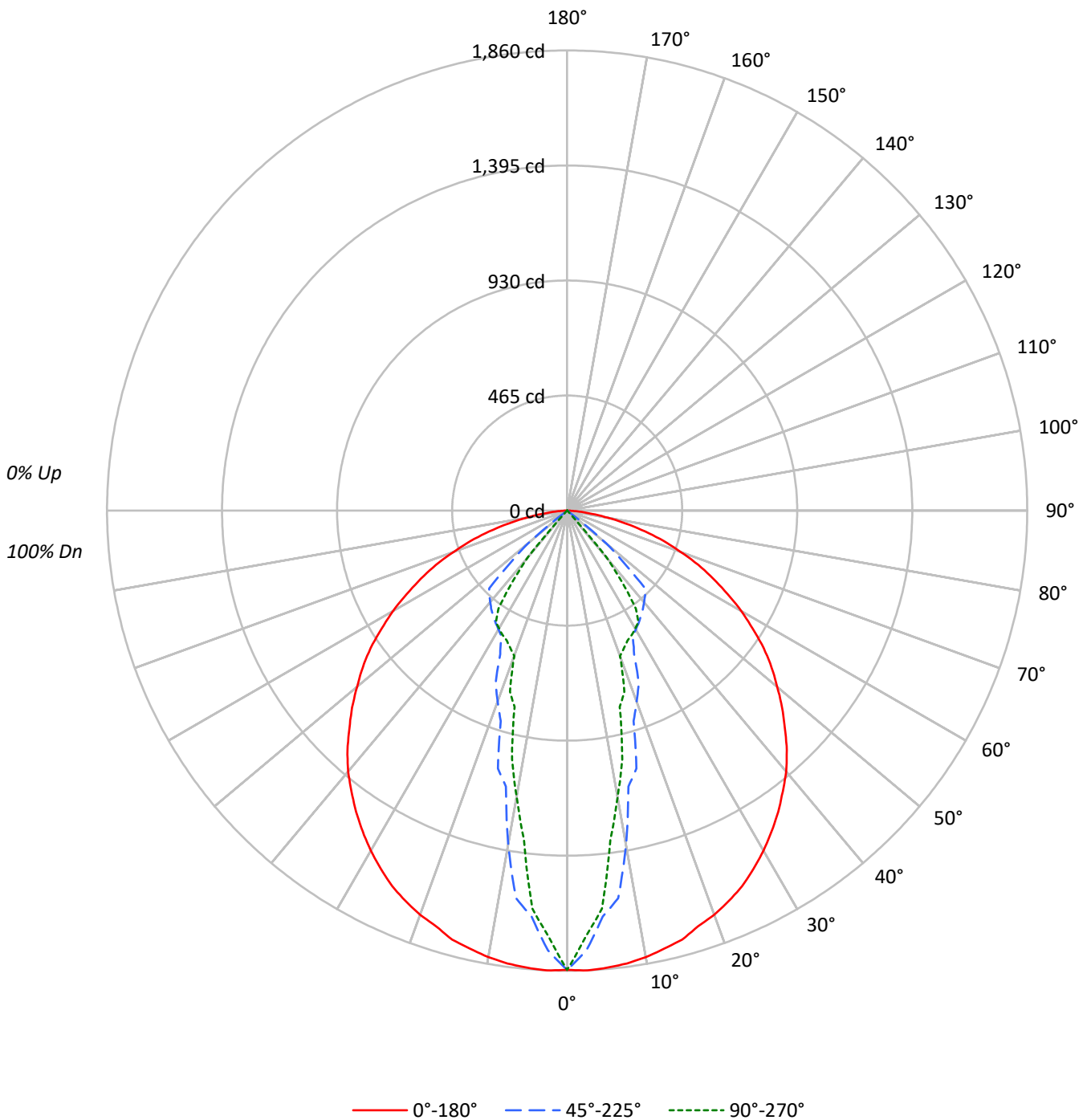
Input Watts (W): 14.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89					89			
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79					79			
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70					70			
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62					62			
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56					56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51					51			
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46					46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43					43			
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39					39			
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36					36			

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

	0°	45°	90°
0°	29918	29918	29918
5°	29893	25028	24015
10°	29771	19848	16334
15°	29625	15045	10810
20°	29365	11098	7861
25°	29207	8476	7016
30°	28833	7241	6488
35°	28418	6753	5602
40°	27991	6281	2813
45°	27230	5841	11
50°	26471	2774	0
55°	25725	92	0
60°	24464	68	0
65°	22817	28	0
70°	20625	16	0
75°	17560	17	13
80°	12590	18	14
85°	6083	20	15



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.2	7.8
10°-20°	330.3	16.7
20°-30°	394.1	20.0
30°-40°	419.3	21.3
40°-50°	306.4	15.5
50°-60°	195.7	9.9
60°-70°	117.8	6.0
70°-80°	45.9	2.3
80°-90°	9.4	0.5
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°	877.6	44.5
0°-40°	1296.9	65.8
0°-60°	1799.0	91.2
0°-90°	1972.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1972.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1857	1857	1857	1857	1857	
5°	1855	1764	1647	1618	1615	176
15°	1796	1532	1080	842	822	506
25°	1675	1068	640	583	579	771
35°	1487	705	520	520	484	930
45°	1245	457	445	2	1	962
55°	970	360	7	1	0	864
65°	652	147	2	1	0	645
75°	326	8	1	1	1	344
85°	49	1	1	1	1	68
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1856.7	1856.7	1856.7	1856.7	1856.7
2.5°	1860.5	1848.2	1779.5	1750.9	1723.3
5°	1854.8	1764.3	1647.0	1617.5	1614.6
7.5°	1846.3	1679.5	1580.3	1410.7	1339.2
10°	1832.9	1624.2	1370.6	1227.7	1174.3
12.5°	1813.8	1542.2	1142.8	1060.9	1029.4
15°	1795.7	1531.7	1079.9	841.6	821.6
17.5°	1761.4	1318.2	892.1	791.1	768.2
20°	1738.5	1221.0	820.7	686.3	625.3
22.5°	1708.0	1163.8	754.9	624.3	600.5
25°	1674.7	1067.5	640.5	583.3	578.6
27.5°	1631.8	938.9	573.8	568.1	566.2
30°	1587.0	796.8	554.7	552.8	550.0
32.5°	1538.4	740.6	537.6	537.6	534.7
35°	1486.9	705.3	520.4	520.4	484.2
37.5°	1431.6	660.5	503.3	503.3	364.1
40°	1377.3	566.2	483.2	335.5	245.9
42.5°	1314.4	489.0	466.1	234.5	1.9
45°	1244.8	456.6	445.1	1.9	1.0
47.5°	1179.0	433.7	303.1	1.0	0.0
50°	1108.5	408.9	207.8	1.0	0.0
52.5°	1041.8	386.0	9.5	1.0	0.0
55°	970.3	360.3	6.7	1.0	0.0
57.5°	889.3	335.5	5.7	1.0	0.0
60°	814.0	308.8	4.8	1.0	0.0
62.5°	731.1	262.1	2.9	1.0	0.0
65°	652.0	146.8	1.9	1.0	0.0
67.5°	573.8	23.8	1.9	1.0	0.0
70°	488.0	16.2	1.0	1.0	0.0
72.5°	408.9	12.4	1.0	1.0	1.0
75°	326.0	7.6	1.0	1.0	1.0
77.5°	244.0	4.8	1.0	1.0	1.0
80°	167.8	2.9	1.0	1.0	1.0
82.5°	101.0	1.0	1.0	1.0	1.0
85°	48.6	1.0	1.0	1.0	1.0
87.5°	15.3	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)