

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: P218425

Luminaire Tested: **4SNLED-LD5-27SL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218425
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-LD5-27SL-RM-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2850.0 lumens
Efficiency: N/A
Efficacy: 147.7 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

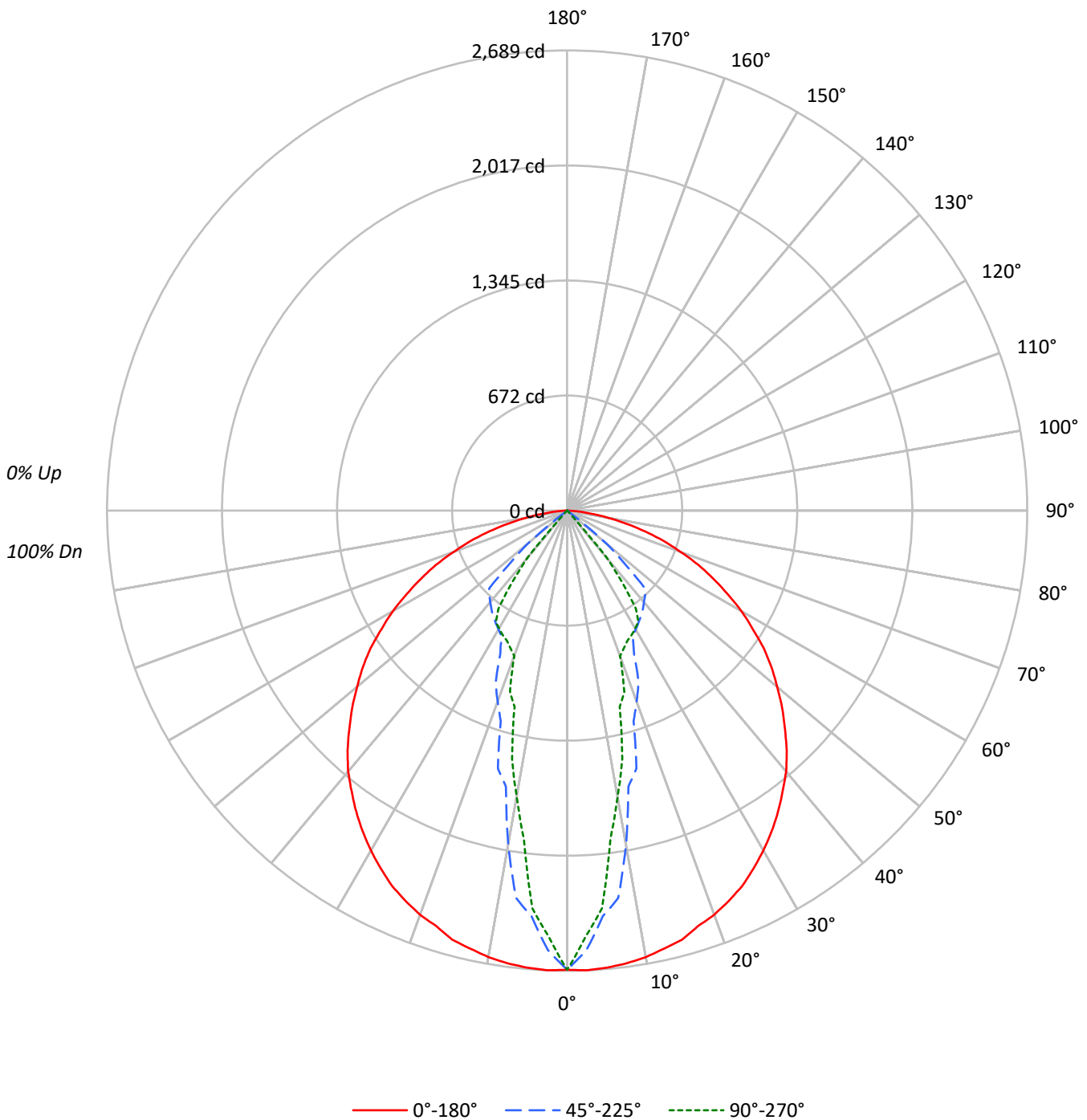
Input Watts (W): 19.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	43239	43239	43239
5°	43203	36172	34708
10°	43027	28686	23606
15°	42816	21744	15622
20°	42441	16037	11361
25°	42210	12250	10139
30°	41671	10466	9375
35°	41071	9760	8097
40°	40453	9079	4065
45°	39353	8441	16
50°	38258	4009	0
55°	37178	131	0
60°	35356	98	0
65°	32972	41	0
70°	29810	22	0
75°	25376	23	18
80°	18187	25	19
85°	8799	27	21



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.5	7.8
10°-20°	477.4	16.8
20°-30°	569.5	20.0
30°-40°	606.0	21.3
40°-50°	442.8	15.5
50°-60°	282.8	9.9
60°-70°	170.3	6.0
70°-80°	66.4	2.3
80°-90°	13.5	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°	1268.4	44.5
0°-40°	1874.4	65.8
0°-60°	2599.9	91.2
0°-90°	2850.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2850.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2683	2683	2683	2683	2683	
5°	2681	2550	2380	2338	2334	255
15°	2595	2214	1561	1216	1187	731
25°	2420	1543	926	843	836	1114
35°	2149	1019	752	752	700	1344
45°	1799	660	643	3	1	1390
55°	1402	521	10	1	0	1248
65°	942	212	3	1	0	932
75°	471	11	1	1	1	498
85°	70	1	1	1	1	98
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2683.4	2683.4	2683.4	2683.4	2683.4
2.5°	2688.9	2671.0	2571.8	2530.5	2490.6
5°	2680.7	2549.8	2380.4	2337.7	2333.5
7.5°	2668.3	2427.2	2283.9	2038.7	1935.4
10°	2649.0	2347.3	1980.9	1774.3	1697.1
12.5°	2621.4	2228.8	1651.7	1533.2	1487.7
15°	2595.3	2213.7	1560.7	1216.4	1187.4
17.5°	2545.7	1905.1	1289.4	1143.3	1110.3
20°	2512.6	1764.6	1186.0	991.8	903.7
22.5°	2468.5	1682.0	1091.0	902.3	867.8
25°	2420.3	1542.8	925.7	843.0	836.2
27.5°	2358.3	1356.9	829.3	821.0	818.2
30°	2293.6	1151.6	801.7	799.0	794.8
32.5°	2223.3	1070.3	776.9	776.9	772.8
35°	2148.9	1019.4	752.1	752.1	699.8
37.5°	2069.0	954.6	727.3	727.3	526.2
40°	1990.5	818.2	698.4	484.9	355.4
42.5°	1899.6	706.7	673.6	338.9	2.8
45°	1799.0	659.8	643.3	2.8	1.4
47.5°	1704.0	626.8	438.1	1.4	0.0
50°	1602.1	591.0	300.3	1.4	0.0
52.5°	1505.6	557.9	13.8	1.4	0.0
55°	1402.3	520.7	9.6	1.4	0.0
57.5°	1285.2	484.9	8.3	1.4	0.0
60°	1176.4	446.3	6.9	1.4	0.0
62.5°	1056.6	378.8	4.1	1.4	0.0
65°	942.2	212.1	2.8	1.4	0.0
67.5°	829.3	34.4	2.8	1.4	0.0
70°	705.3	23.4	1.4	1.4	0.0
72.5°	591.0	17.9	1.4	1.4	1.4
75°	471.1	11.0	1.4	1.4	1.4
77.5°	352.6	6.9	1.4	1.4	1.4
80°	242.4	4.1	1.4	1.4	1.4
82.5°	146.0	1.4	1.4	1.4	1.4
85°	70.3	1.4	1.4	1.4	1.4
87.5°	22.0	1.4	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)