

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: P218465

Luminaire Tested: **4SNLED-LD5-58SL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218465  
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-LD5-58SL-RM-UNV-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6002.0 lumens  
Efficiency: N/A  
Efficacy: 127.4 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

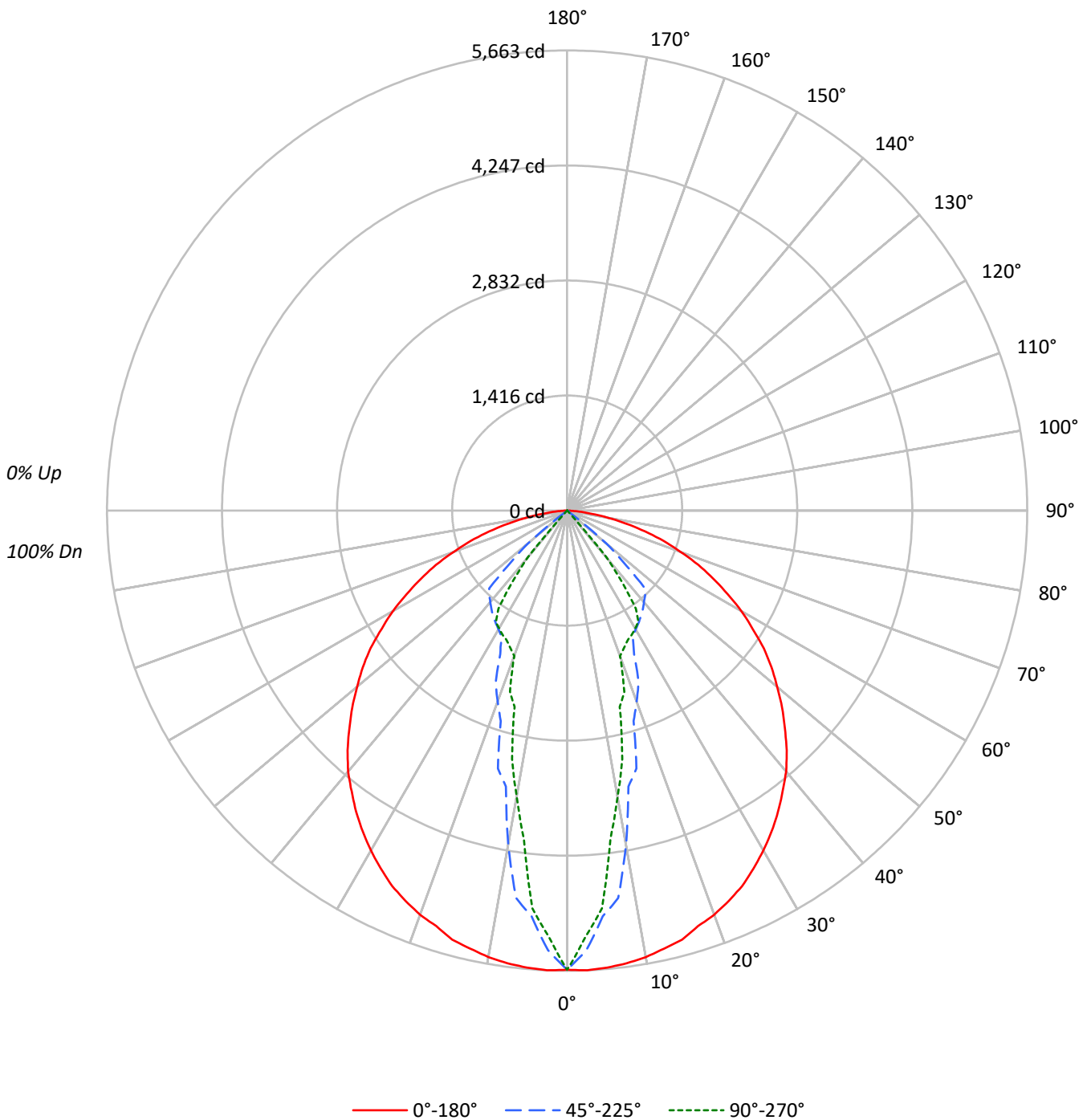
Input Watts (W): 47.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	91061	91061	91061
5°	90983	76177	73095
10°	90613	60412	49714
15°	90167	45794	32901
20°	89379	33776	23926
25°	88893	25799	21351
30°	87757	22041	19745
35°	86495	20556	17050
40°	85194	19120	8561
45°	82877	17778	33
50°	80569	8442	0
55°	78297	278	0
60°	74459	205	0
65°	69440	86	0
70°	62776	45	0
75°	53440	48	38
80°	38310	52	40
85°	18523	57	43



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	466.4	7.8
10°-20°	1005.4	16.8
20°-30°	1199.4	20.0
30°-40°	1276.2	21.3
40°-50°	932.4	15.5
50°-60°	595.5	9.9
60°-70°	358.6	6.0
70°-80°	139.7	2.3
80°-90°	28.3	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°	2671.2	44.5
0°-40°	3947.4	65.8
0°-60°	5475.3	91.2
0°-90°	6002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6002.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5651	5651	5651	5651	5651	
5°	5645	5370	5013	4923	4914	537
15°	5466	4662	3287	2562	2501	1539
25°	5097	3249	1950	1775	1761	2345
35°	4526	2147	1584	1584	1474	2831
45°	3789	1390	1355	6	3	2927
55°	2953	1097	20	3	0	2629
65°	1984	447	6	3	0	1963
75°	992	23	3	3	3	1048
85°	148	3	3	3	3	206
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5651.2	5651.2	5651.2	5651.2	5651.2
2.5°	5662.8	5625.1	5416.2	5329.2	5245.0
5°	5645.4	5369.8	5013.0	4923.0	4914.3
7.5°	5619.3	5111.6	4809.9	4293.5	4075.9
10°	5578.7	4943.3	4171.7	3736.5	3574.1
12.5°	5520.6	4693.8	3478.3	3228.8	3133.1
15°	5465.5	4661.9	3286.9	2561.6	2500.7
17.5°	5361.1	4012.1	2715.4	2407.8	2338.2
20°	5291.5	3716.2	2497.8	2088.7	1903.1
22.5°	5198.6	3542.1	2297.6	1900.2	1827.6
25°	5097.1	3249.1	1949.5	1775.4	1760.9
27.5°	4966.5	2857.5	1746.4	1729.0	1723.2
30°	4830.2	2425.3	1688.4	1682.6	1673.9
32.5°	4682.2	2254.1	1636.2	1636.2	1627.5
35°	4525.6	2146.8	1584.0	1584.0	1473.7
37.5°	4357.3	2010.4	1531.7	1531.7	1108.2
40°	4192.0	1723.2	1470.8	1021.2	748.5
42.5°	4000.5	1488.2	1418.6	713.7	5.8
45°	3788.7	1389.6	1354.8	5.8	2.9
47.5°	3588.6	1320.0	922.5	2.9	0.0
50°	3373.9	1244.5	632.4	2.9	0.0
52.5°	3170.8	1174.9	29.0	2.9	0.0
55°	2953.2	1096.6	20.3	2.9	0.0
57.5°	2706.6	1021.2	17.4	2.9	0.0
60°	2477.5	939.9	14.5	2.9	0.0
62.5°	2225.1	797.8	8.7	2.9	0.0
65°	1984.3	446.8	5.8	2.9	0.0
67.5°	1746.4	72.5	5.8	2.9	0.0
70°	1485.3	49.3	2.9	2.9	0.0
72.5°	1244.5	37.7	2.9	2.9	2.9
75°	992.1	23.2	2.9	2.9	2.9
77.5°	742.7	14.5	2.9	2.9	2.9
80°	510.6	8.7	2.9	2.9	2.9
82.5°	307.5	2.9	2.9	2.9	2.9
85°	148.0	2.9	2.9	2.9	2.9
87.5°	46.4	2.9	2.9	2.9	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)