

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: P218489

Luminaire Tested: **8TSNLED-LD5-70SL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218489  
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: 8TSNLED-LD5-70SL-RM-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7784.1 lumens  
Efficiency: N/A  
Efficacy: 156.6 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')  
CIE Type: Direct

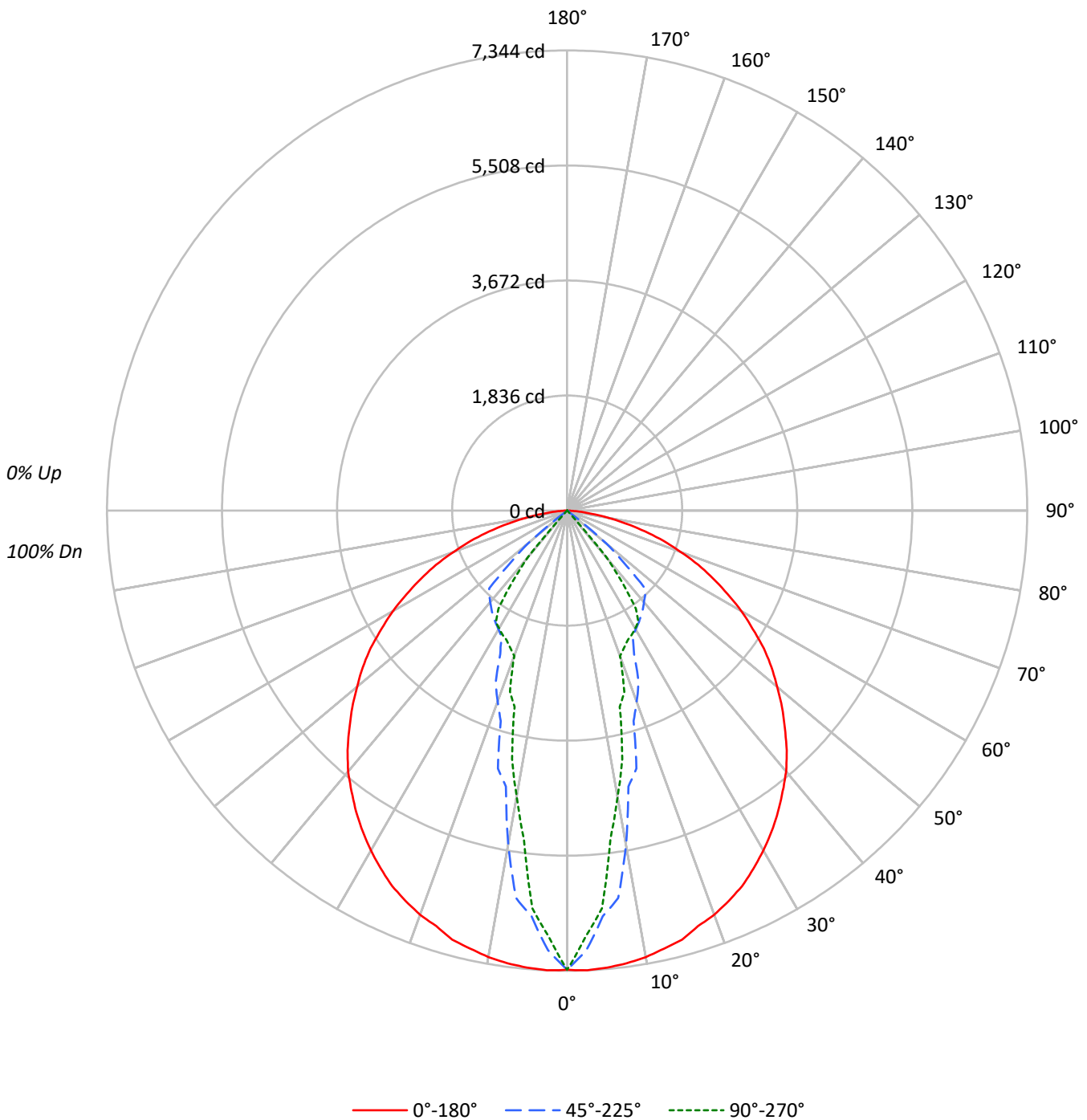
Input Watts (W): 49.72  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36

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

	0°	45°	90°
0°	59048	59048	59048
5°	59105	49456	47399
10°	58973	39264	32237
15°	58794	29793	21334
20°	58395	21995	15514
25°	58198	16816	13845
30°	57584	14379	12804
35°	56895	13421	11057
40°	56195	12494	5551
45°	54841	11627	22
50°	53513	5526	0
55°	52243	182	0
60°	49967	135	0
65°	46957	56	0
70°	42916	30	0
75°	37159	32	25
80°	27472	35	26
85°	14322	38	28



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	604.9	7.8
10°-20°	1303.9	16.8
20°-30°	1555.5	20.0
30°-40°	1655.1	21.3
40°-50°	1209.3	15.5
50°-60°	772.4	9.9
60°-70°	465.0	6.0
70°-80°	181.3	2.3
80°-90°	36.8	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°	3464.2	44.5
0°-40°	5119.3	65.8
0°-60°	7101.0	91.2
0°-90°	7784.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7784.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7329	7329	7329	7329	7329	
5°	7322	6964	6501	6385	6373	696
15°	7088	6046	4263	3322	3243	1996
25°	6610	4214	2528	2302	2284	3042
35°	5869	2784	2054	2054	1911	3672
45°	4914	1802	1757	8	4	3796
55°	3830	1422	26	4	0	3410
65°	2573	579	8	4	0	2546
75°	1287	30	4	4	4	1359
85°	192	4	4	4	4	267
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7329.0	7329.0	7329.0	7329.0	7329.0
2.5°	7344.1	7295.2	7024.3	6911.4	6802.3
5°	7321.5	6964.1	6501.3	6384.7	6373.4
7.5°	7287.6	6629.2	6237.9	5568.3	5286.1
10°	7235.0	6411.0	5410.2	4845.9	4635.2
12.5°	7159.7	6087.5	4511.0	4187.5	4063.3
15°	7088.2	6046.1	4262.7	3322.1	3243.1
17.5°	6952.8	5203.3	3521.5	3122.7	3032.4
20°	6862.5	4819.5	3239.4	2708.9	2468.1
22.5°	6742.1	4593.8	2979.8	2464.3	2370.3
25°	6610.4	4213.8	2528.3	2302.5	2283.7
27.5°	6441.1	3705.9	2264.9	2242.4	2234.8
30°	6264.3	3145.3	2189.7	2182.2	2170.9
32.5°	6072.4	2923.3	2122.0	2122.0	2110.7
35°	5869.2	2784.1	2054.2	2054.2	1911.3
37.5°	5651.0	2607.3	1986.5	1986.5	1437.2
40°	5436.6	2234.8	1907.5	1324.3	970.7
42.5°	5188.3	1930.1	1839.8	925.5	7.5
45°	4913.6	1802.2	1757.0	7.5	3.8
47.5°	4654.0	1711.9	1196.4	3.8	0.0
50°	4375.6	1614.0	820.2	3.8	0.0
52.5°	4112.2	1523.7	37.6	3.8	0.0
55°	3830.1	1422.2	26.3	3.8	0.0
57.5°	3510.3	1324.3	22.6	3.8	0.0
60°	3213.0	1219.0	18.8	3.8	0.0
62.5°	2885.7	1034.6	11.3	3.8	0.0
65°	2573.4	579.4	7.5	3.8	0.0
67.5°	2264.9	94.1	7.5	3.8	0.0
70°	1926.3	64.0	3.8	3.8	0.0
72.5°	1614.0	48.9	3.8	3.8	3.8
75°	1286.7	30.1	3.8	3.8	3.8
77.5°	963.2	18.8	3.8	3.8	3.8
80°	662.2	11.3	3.8	3.8	3.8
82.5°	398.8	3.8	3.8	3.8	3.8
85°	191.9	3.8	3.8	3.8	3.8
87.5°	60.2	3.8	3.8	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)