

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: P218488

Luminaire Tested: **8TSNLED-LD5-70SL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218488
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7196.0 lumens
Efficiency: N/A
Efficacy: 144.7 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

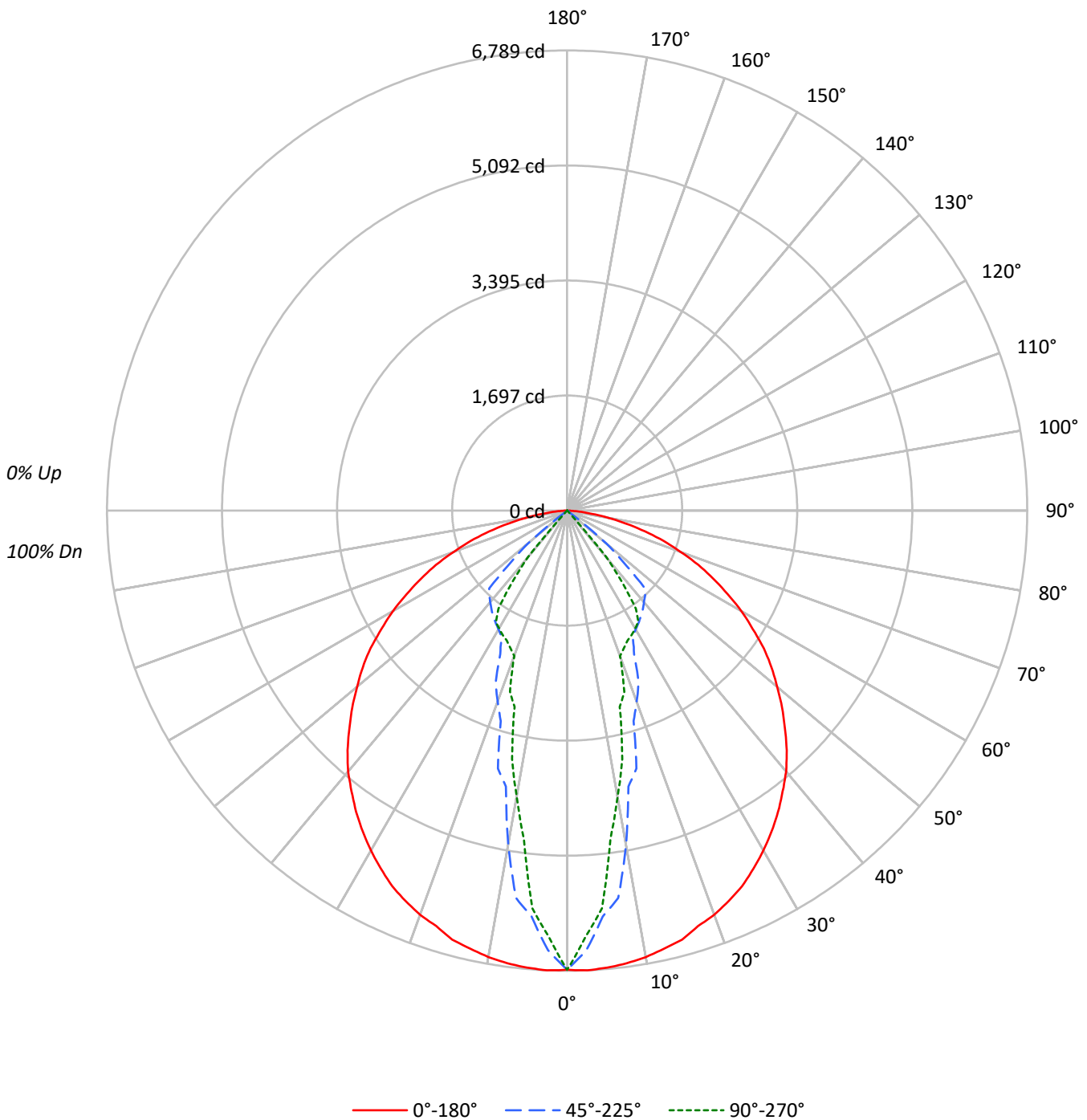
Input Watts (W): 49.72
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	54588	54588	54588
5°	54640	45721	43818
10°	54518	36298	29802
15°	54353	27542	19723
20°	53983	20334	14343
25°	53802	15545	12799
30°	53234	13293	11837
35°	52598	12407	10221
40°	51950	11550	5132
45°	50698	10748	20
50°	49471	5109	0
55°	48295	168	0
60°	46192	125	0
65°	43410	52	0
70°	39674	28	0
75°	34352	29	23
80°	25398	32	24
85°	13240	35	26



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	559.2	7.8
10°-20°	1205.4	16.8
20°-30°	1438.0	20.0
30°-40°	1530.1	21.3
40°-50°	1117.9	15.5
50°-60°	714.0	9.9
60°-70°	429.9	6.0
70°-80°	167.6	2.3
80°-90°	34.0	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°	3202.6	44.5
0°-40°	4732.7	65.8
0°-60°	6564.6	91.2
0°-90°	7196.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7196.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6775	6775	6775	6775	6775	
5°	6768	6438	6010	5902	5892	644
15°	6553	5589	3941	3071	2998	1846
25°	6111	3896	2337	2129	2111	2812
35°	5426	2574	1899	1899	1767	3394
45°	4542	1666	1624	7	4	3509
55°	3541	1315	24	4	0	3152
65°	2379	536	7	4	0	2354
75°	1190	28	4	4	4	1257
85°	177	4	4	4	4	247
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6775.4	6775.4	6775.4	6775.4	6775.4
2.5°	6789.3	6744.1	6493.7	6389.3	6288.5
5°	6768.4	6438.0	6010.2	5902.4	5891.9
7.5°	6737.1	6128.5	5766.7	5147.6	4886.8
10°	6688.4	5926.7	5001.5	4479.8	4285.1
12.5°	6618.9	5627.6	4170.3	3871.2	3756.4
15°	6552.8	5589.4	3940.7	3071.2	2998.1
17.5°	6427.6	4810.3	3255.5	2886.8	2803.4
20°	6344.1	4455.5	2994.7	2504.3	2281.7
22.5°	6232.8	4246.8	2754.7	2278.2	2191.2
25°	6111.1	3895.5	2337.3	2128.6	2111.2
27.5°	5954.6	3426.0	2093.8	2073.0	2066.0
30°	5791.1	2907.7	2024.3	2017.3	2006.9
32.5°	5613.7	2702.5	1961.7	1961.7	1951.2
35°	5425.9	2573.8	1899.1	1899.1	1766.9
37.5°	5224.1	2410.3	1836.5	1836.5	1328.6
40°	5025.9	2066.0	1763.4	1224.3	897.4
42.5°	4796.3	1784.3	1700.8	855.6	7.0
45°	4542.4	1666.0	1624.3	7.0	3.5
47.5°	4302.4	1582.5	1106.0	3.5	0.0
50°	4045.1	1492.1	758.2	3.5	0.0
52.5°	3801.6	1408.6	34.8	3.5	0.0
55°	3540.7	1314.7	24.3	3.5	0.0
57.5°	3245.1	1224.3	20.9	3.5	0.0
60°	2970.3	1126.9	17.4	3.5	0.0
62.5°	2667.7	956.5	10.4	3.5	0.0
65°	2379.0	535.6	7.0	3.5	0.0
67.5°	2093.8	87.0	7.0	3.5	0.0
70°	1780.8	59.1	3.5	3.5	0.0
72.5°	1492.1	45.2	3.5	3.5	3.5
75°	1189.5	27.8	3.5	3.5	3.5
77.5°	890.4	17.4	3.5	3.5	3.5
80°	612.2	10.4	3.5	3.5	3.5
82.5°	368.7	3.5	3.5	3.5	3.5
85°	177.4	3.5	3.5	3.5	3.5
87.5°	55.7	3.5	3.5	3.5	3.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)