

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: P218487

Luminaire Tested: **8TSNLED-LD5-70SL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218487
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7055.0 lumens
Efficiency: N/A
Efficacy: 141.9 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

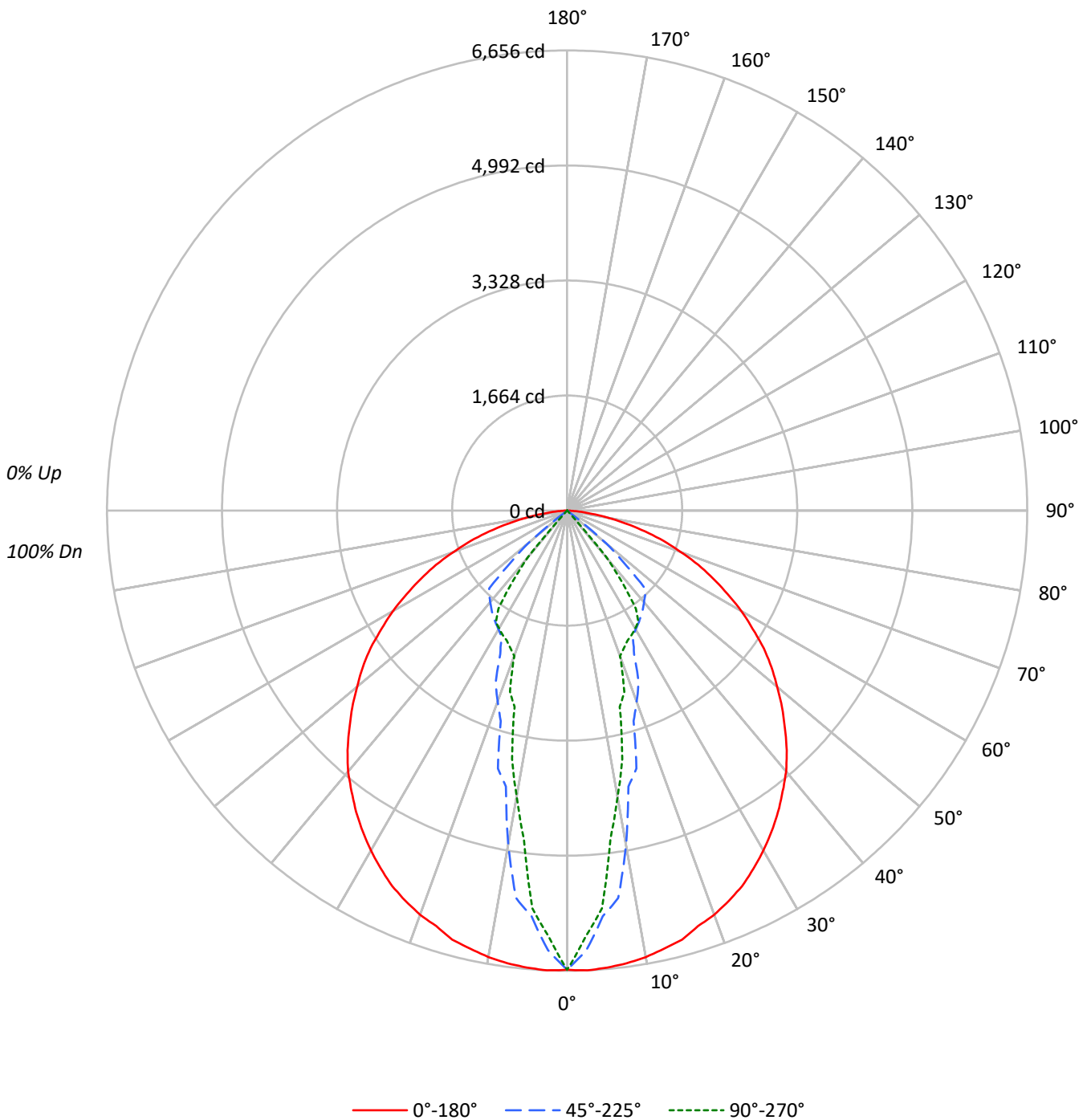
Input Watts (W): 49.72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	53518	53518	53518
5°	53570	44824	42960
10°	53450	35586	29218
15°	53288	27003	19336
20°	52926	19935	14061
25°	52748	15241	12549
30°	52191	13032	11605
35°	51568	12164	10021
40°	50931	11324	5031
45°	49705	10538	19
50°	48501	5009	0
55°	47350	165	0
60°	45287	122	0
65°	42560	51	0
70°	38897	27	0
75°	33679	29	22
80°	24900	31	24
85°	12979	34	25



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	548.2	7.8
10°-20°	1181.8	16.8
20°-30°	1409.8	20.0
30°-40°	1500.1	21.3
40°-50°	1096.0	15.5
50°-60°	700.0	9.9
60°-70°	421.5	6.0
70°-80°	164.3	2.3
80°-90°	33.3	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°	3139.8	44.5
0°-40°	4639.9	65.8
0°-60°	6435.9	91.2
0°-90°	7055.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7055.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6643	6643	6643	6643	6643	
5°	6636	6312	5892	5787	5776	631
15°	6424	5480	3864	3011	2939	1809
25°	5991	3819	2292	2087	2070	2757
35°	5320	2523	1862	1862	1732	3328
45°	4453	1633	1592	7	3	3440
55°	3471	1289	24	3	0	3090
65°	2332	525	7	3	0	2308
75°	1166	27	3	3	3	1232
85°	174	3	3	3	3	242
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6642.6	6642.6	6642.6	6642.6	6642.6
2.5°	6656.3	6611.9	6366.4	6264.1	6165.2
5°	6635.8	6311.9	5892.4	5786.7	5776.5
7.5°	6605.1	6008.4	5653.7	5046.8	4791.0
10°	6557.4	5810.6	4903.5	4392.0	4201.1
12.5°	6489.2	5517.3	4088.6	3795.3	3682.8
15°	6424.4	5479.8	3863.5	3011.0	2939.4
17.5°	6301.6	4716.0	3191.7	2830.3	2748.4
20°	6219.8	4368.2	2936.0	2455.2	2236.9
22.5°	6110.7	4163.6	2700.7	2233.5	2148.3
25°	5991.3	3819.2	2291.5	2086.9	2069.9
27.5°	5837.9	3358.8	2052.8	2032.3	2025.5
30°	5677.6	2850.7	1984.6	1977.8	1967.6
32.5°	5503.7	2649.6	1923.2	1923.2	1913.0
35°	5319.6	2523.4	1861.8	1861.8	1732.3
37.5°	5121.8	2363.1	1800.5	1800.5	1302.6
40°	4927.4	2025.5	1728.9	1200.3	879.8
42.5°	4702.4	1749.3	1667.5	838.9	6.8
45°	4453.4	1633.4	1592.5	6.8	3.4
47.5°	4218.1	1551.5	1084.4	3.4	0.0
50°	3965.8	1462.9	743.4	3.4	0.0
52.5°	3727.1	1381.0	34.1	3.4	0.0
55°	3471.4	1289.0	23.9	3.4	0.0
57.5°	3181.5	1200.3	20.5	3.4	0.0
60°	2912.1	1104.8	17.0	3.4	0.0
62.5°	2615.5	937.7	10.2	3.4	0.0
65°	2332.4	525.1	6.8	3.4	0.0
67.5°	2052.8	85.2	6.8	3.4	0.0
70°	1745.9	58.0	3.4	3.4	0.0
72.5°	1462.9	44.3	3.4	3.4	3.4
75°	1166.2	27.3	3.4	3.4	3.4
77.5°	873.0	17.0	3.4	3.4	3.4
80°	600.2	10.2	3.4	3.4	3.4
82.5°	361.5	3.4	3.4	3.4	3.4
85°	173.9	3.4	3.4	3.4	3.4
87.5°	54.6	3.4	3.4	3.4	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)