

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: P218492

Luminaire Tested: **8TSNLED-LD5-78SL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218492
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-LD5-78SL-RM-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7896.0 lumens
Efficiency: N/A
Efficacy: 142.6 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

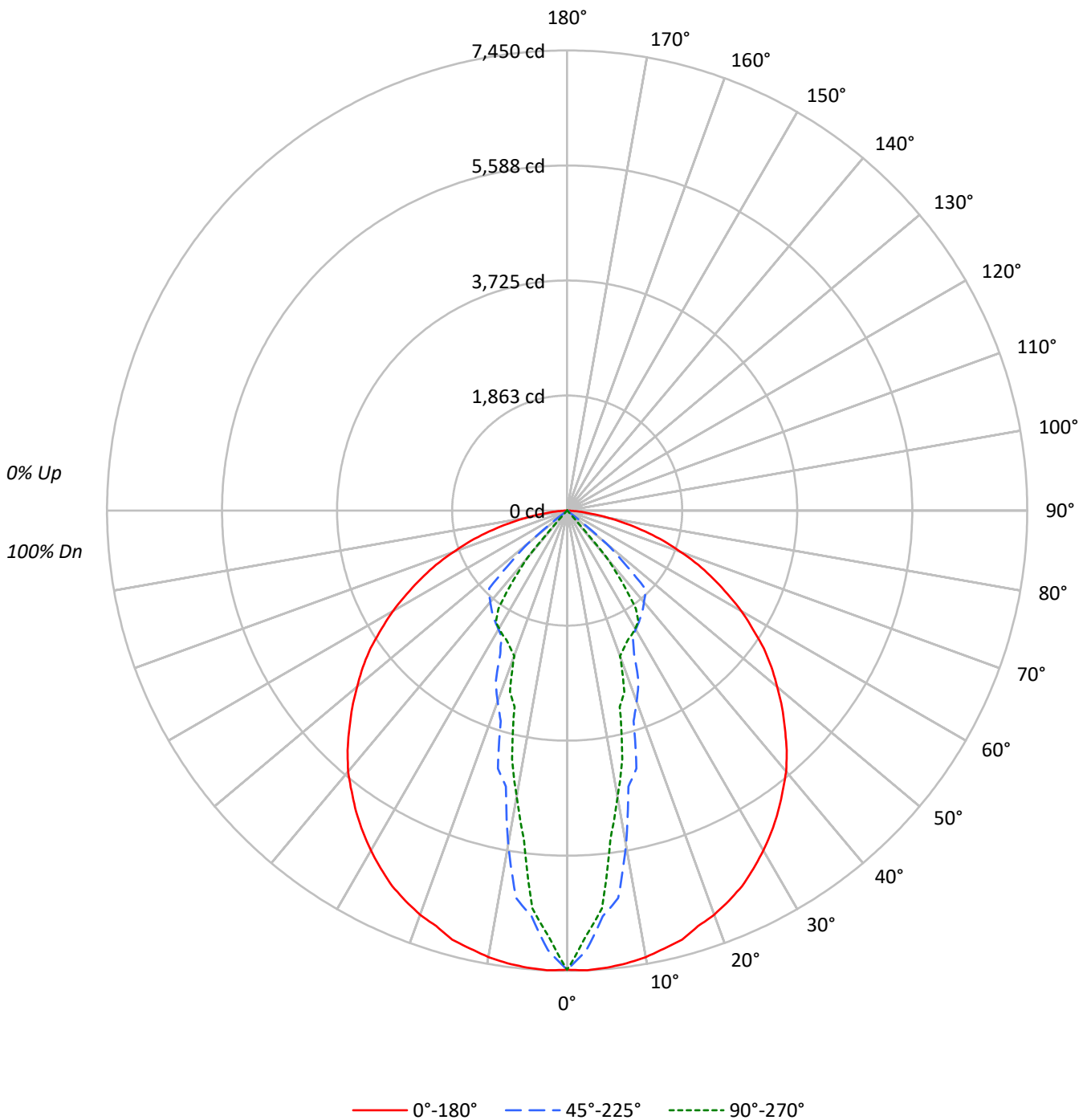
Input Watts (W): 55.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	59898	59898	59898
5°	59955	50168	48081
10°	59822	39829	32701
15°	59640	30222	21642
20°	59235	22312	15738
25°	59035	17058	14045
30°	58412	14586	12988
35°	57714	13614	11216
40°	57003	12674	5631
45°	55630	11794	22
50°	54284	5606	0
55°	52994	185	0
60°	50687	137	0
65°	47634	57	0
70°	43533	30	0
75°	37693	32	25
80°	27866	35	26
85°	14524	38	28



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	613.6	7.8
10°-20°	1322.6	16.8
20°-30°	1577.9	20.0
30°-40°	1678.9	21.3
40°-50°	1226.6	15.5
50°-60°	783.5	9.9
60°-70°	471.7	6.0
70°-80°	183.8	2.3
80°-90°	37.3	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°	3514.1	44.5
0°-40°	5193.0	65.8
0°-60°	7203.1	91.2
0°-90°	7896.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7896.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7434	7434	7434	7434	7434	
5°	7427	7064	6595	6476	6465	706
15°	7190	6133	4324	3370	3290	2025
25°	6706	4274	2565	2336	2317	3086
35°	5954	2824	2084	2084	1939	3724
45°	4984	1828	1782	8	4	3850
55°	3885	1443	27	4	0	3459
65°	2610	588	8	4	0	2583
75°	1305	30	4	4	4	1379
85°	195	4	4	4	4	271
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7434.5	7434.5	7434.5	7434.5	7434.5
2.5°	7449.7	7400.1	7125.3	7010.8	6900.2
5°	7426.8	7064.3	6594.9	6476.5	6465.1
7.5°	7392.5	6724.6	6327.7	5648.4	5362.1
10°	7339.1	6503.3	5488.1	4915.6	4701.9
12.5°	7262.7	6175.0	4575.9	4247.7	4121.8
15°	7190.2	6133.1	4324.1	3369.9	3289.8
17.5°	7052.8	5278.2	3572.2	3167.7	3076.1
20°	6961.2	4888.9	3286.0	2747.9	2503.6
22.5°	6839.1	4659.9	3022.6	2499.8	2404.4
25°	6705.5	4274.4	2564.7	2335.7	2316.6
27.5°	6533.8	3759.2	2297.5	2274.6	2267.0
30°	6354.4	3190.6	2221.2	2213.6	2202.1
32.5°	6159.8	2965.4	2152.5	2152.5	2141.0
35°	5953.7	2824.2	2083.8	2083.8	1938.8
37.5°	5732.3	2644.8	2015.1	2015.1	1457.9
40°	5514.8	2267.0	1934.9	1343.4	984.6
42.5°	5262.9	1957.8	1866.3	938.9	7.6
45°	4984.3	1828.1	1782.3	7.6	3.8
47.5°	4721.0	1736.5	1213.6	3.8	0.0
50°	4438.6	1637.3	832.0	3.8	0.0
52.5°	4171.4	1545.7	38.2	3.8	0.0
55°	3885.2	1442.6	26.7	3.8	0.0
57.5°	3560.8	1343.4	22.9	3.8	0.0
60°	3259.3	1236.5	19.1	3.8	0.0
62.5°	2927.2	1049.5	11.4	3.8	0.0
65°	2610.5	587.7	7.6	3.8	0.0
67.5°	2297.5	95.4	7.6	3.8	0.0
70°	1954.0	64.9	3.8	3.8	0.0
72.5°	1637.3	49.6	3.8	3.8	3.8
75°	1305.2	30.5	3.8	3.8	3.8
77.5°	977.0	19.1	3.8	3.8	3.8
80°	671.7	11.4	3.8	3.8	3.8
82.5°	404.5	3.8	3.8	3.8	3.8
85°	194.6	3.8	3.8	3.8	3.8
87.5°	61.1	3.8	3.8	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)