

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: P218486

Luminaire Tested: **8TSNLED-LD5-70SL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218486
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6641.0 lumens
Efficiency: N/A
Efficacy: 133.6 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

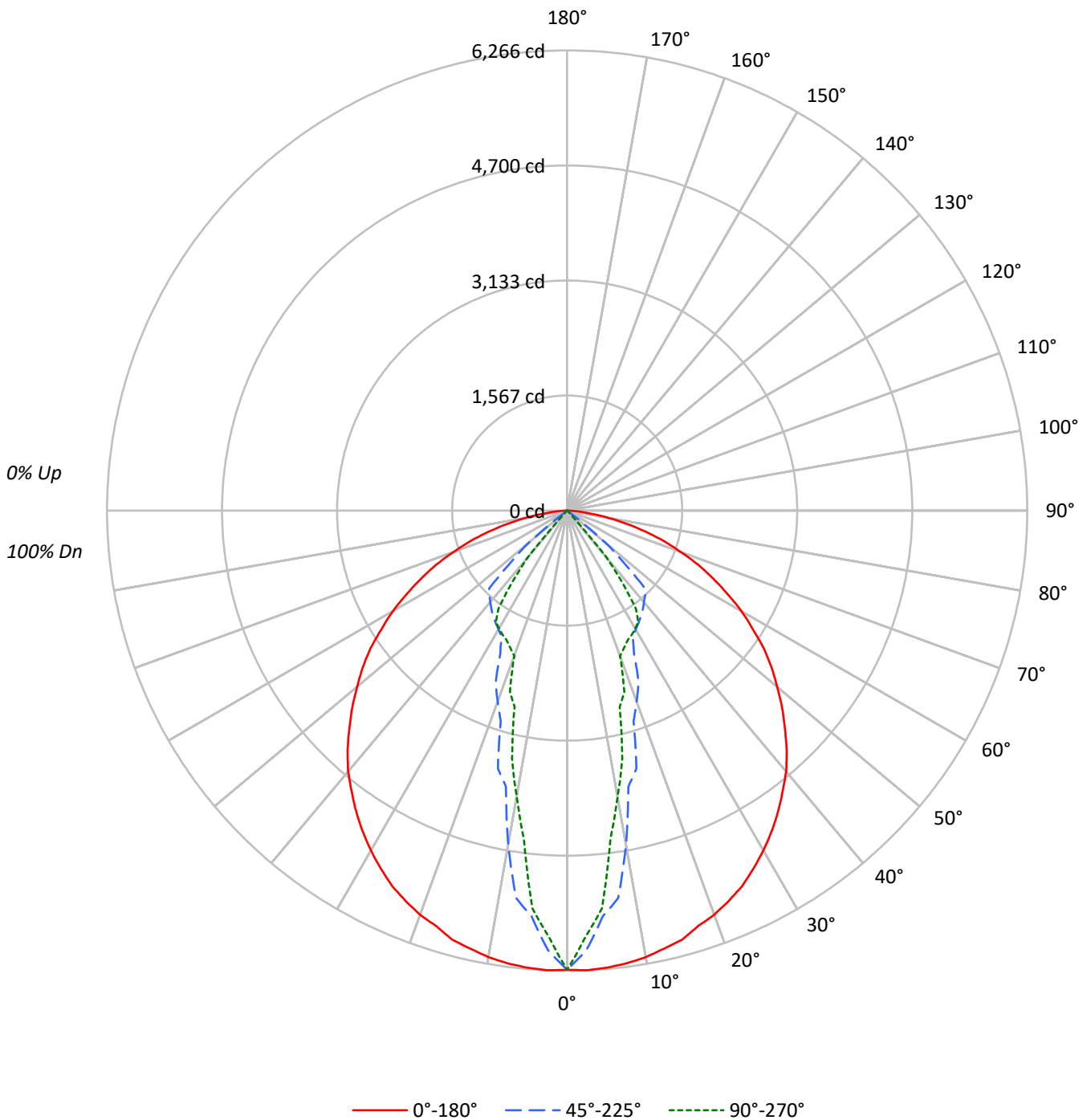
Input Watts (W): 49.72
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	50378	50378	50378
5°	50426	42195	40438
10°	50314	33499	27503
15°	50161	25418	18202
20°	49820	18765	13236
25°	49652	14346	11812
30°	49128	12267	10924
35°	48541	11450	9433
40°	47943	10659	4736
45°	46788	9919	18
50°	45656	4715	0
55°	44571	156	0
60°	42629	115	0
65°	40064	48	0
70°	36615	25	0
75°	31704	27	21
80°	23435	29	22
85°	12218	32	24



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	516.0	7.8
10°-20°	1112.4	16.8
20°-30°	1327.1	20.0
30°-40°	1412.1	21.3
40°-50°	1031.7	15.5
50°-60°	659.0	9.9
60°-70°	396.7	6.0
70°-80°	154.6	2.3
80°-90°	31.4	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°	2955.6	44.5
0°-40°	4367.6	65.8
0°-60°	6058.3	91.2
0°-90°	6641.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6641.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6253	6253	6253	6253	6253	
5°	6246	5942	5547	5447	5438	594
15°	6047	5158	3637	2834	2767	1703
25°	5640	3595	2157	1964	1948	2595
35°	5007	2375	1753	1753	1631	3132
45°	4192	1538	1499	6	3	3238
55°	3268	1213	22	3	0	2909
65°	2196	494	6	3	0	2173
75°	1098	26	3	3	3	1160
85°	164	3	3	3	3	228
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6252.8	6252.8	6252.8	6252.8	6252.8
2.5°	6265.7	6223.9	5992.8	5896.5	5803.5
5°	6246.4	5941.5	5546.7	5447.2	5437.5
7.5°	6217.5	5655.8	5322.0	4750.6	4509.9
10°	6172.6	5469.6	4615.8	4134.3	3954.6
12.5°	6108.4	5193.6	3848.6	3572.6	3466.7
15°	6047.4	5158.3	3636.8	2834.3	2766.9
17.5°	5931.8	4439.3	3004.4	2664.2	2587.2
20°	5854.8	4111.8	2763.7	2311.1	2105.7
22.5°	5752.1	3919.3	2542.2	2102.5	2022.2
25°	5639.7	3595.1	2157.0	1964.4	1948.4
27.5°	5495.3	3161.7	1932.3	1913.1	1906.7
30°	5344.4	2683.5	1868.1	1861.7	1852.1
32.5°	5180.7	2494.1	1810.4	1810.4	1800.7
35°	5007.4	2375.3	1752.6	1752.6	1630.6
37.5°	4821.2	2224.4	1694.8	1694.8	1226.2
40°	4638.3	1906.7	1627.4	1129.9	828.1
42.5°	4426.4	1646.7	1569.6	789.6	6.4
45°	4192.1	1537.5	1499.0	6.4	3.2
47.5°	3970.6	1460.5	1020.7	3.2	0.0
50°	3733.1	1377.0	699.8	3.2	0.0
52.5°	3508.4	1300.0	32.1	3.2	0.0
55°	3267.7	1213.3	22.5	3.2	0.0
57.5°	2994.8	1129.9	19.3	3.2	0.0
60°	2741.2	1040.0	16.0	3.2	0.0
62.5°	2462.0	882.7	9.6	3.2	0.0
65°	2195.6	494.3	6.4	3.2	0.0
67.5°	1932.3	80.2	6.4	3.2	0.0
70°	1643.5	54.6	3.2	3.2	0.0
72.5°	1377.0	41.7	3.2	3.2	3.2
75°	1097.8	25.7	3.2	3.2	3.2
77.5°	821.7	16.0	3.2	3.2	3.2
80°	564.9	9.6	3.2	3.2	3.2
82.5°	340.2	3.2	3.2	3.2	3.2
85°	163.7	3.2	3.2	3.2	3.2
87.5°	51.4	3.2	3.2	3.2	3.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)