

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: P218530

Luminaire Tested: **8TSNLED-LD5-72SL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35689)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-72SL-RW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7829.0 lumens
Efficiency: N/A
Efficacy: 141.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

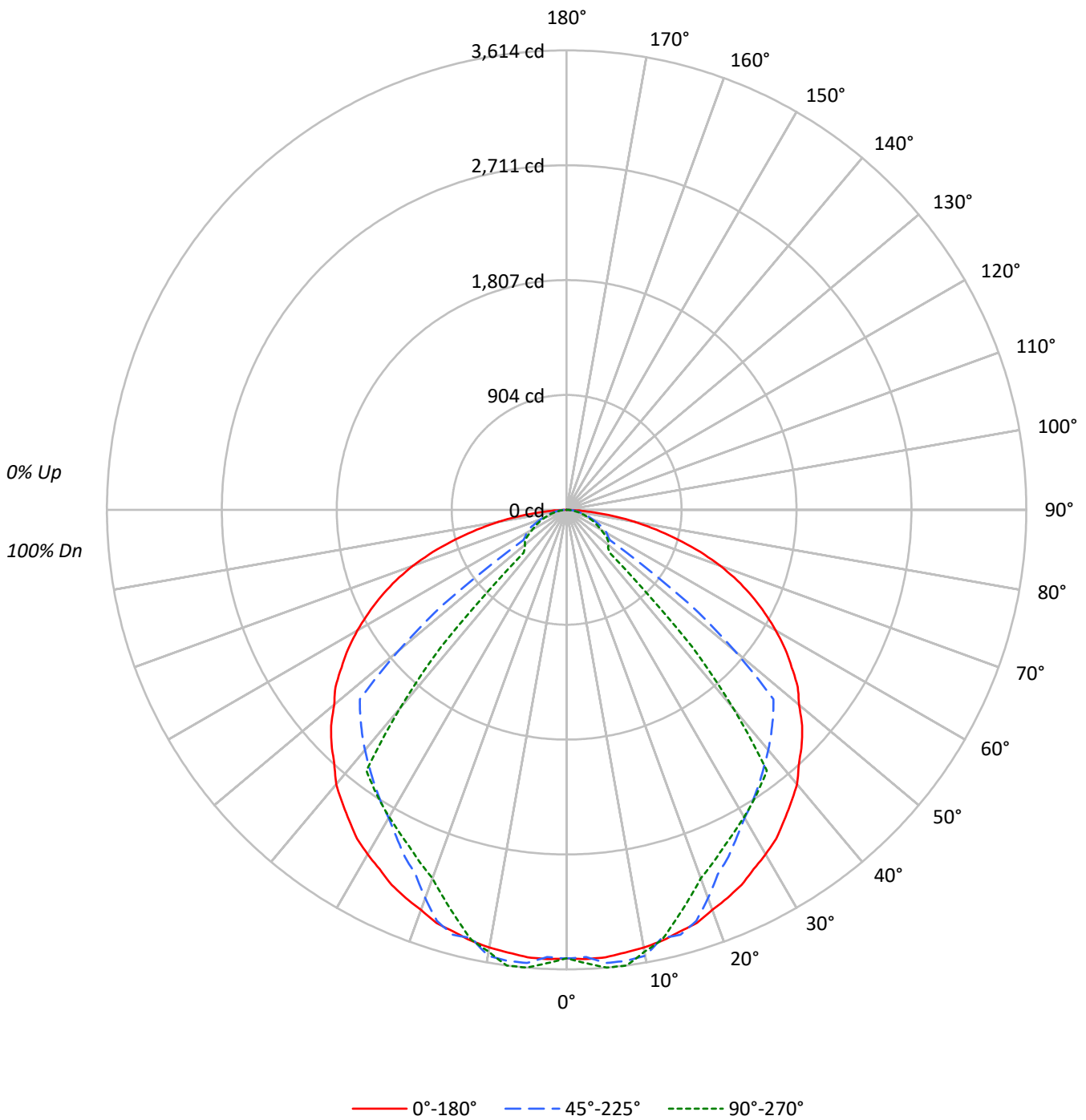
Input Watts (W): 55.38
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87					87			
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75					75			
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65					65			
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57					57			
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52	50					50			
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45					45			
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40					40			
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36					36			
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33					33			
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28426	28426	28426
5°	28516	27212	26877
10°	28492	25843	24538
15°	28486	24174	21920
20°	28493	22071	19380
25°	28654	20017	17726
30°	28754	18368	16450
35°	28897	17208	15355
40°	29125	16156	11700
45°	29169	15187	2722
50°	29166	11639	2452
55°	29465	2852	2244
60°	29530	2602	1831
65°	29358	2200	1510
70°	28566	1709	1181
75°	26182	1273	860
80°	22361	855	540
85°	14322	490	243



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.6	4.4
10°-20°	965.5	12.3
20°-30°	1422.0	18.2
30°-40°	1711.6	21.9
40°-50°	1465.9	18.7
50°-60°	948.6	12.1
60°-70°	630.5	8.1
70°-80°	269.0	3.4
80°-90°	75.2	1.0
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°	2728.1	34.8
0°-40°	4439.8	56.7
0°-60°	6854.3	87.5
0°-90°	7829.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7829.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3528	3528	3528	3528	3528	
5°	3532	3544	3577	3618	3614	336
15°	3434	3528	3459	3385	3332	971
25°	3255	3275	3010	2944	2924	1499
35°	2981	2867	2634	2654	2654	1868
45°	2614	2324	2295	1401	478	2015
55°	2160	1834	412	392	388	1932
65°	1609	1156	294	253	249	1587
75°	907	212	151	135	131	960
85°	192	57	49	37	33	245
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3528.2	3528.2	3528.2	3528.2	3528.2
2.5°	3536.4	3524.1	3520.0	3565.0	3569.0
5°	3532.3	3544.5	3577.2	3618.0	3614.0
7.5°	3511.9	3552.7	3577.2	3638.5	3614.0
10°	3495.5	3569.0	3560.9	3565.0	3528.2
12.5°	3471.0	3540.5	3450.6	3511.9	3462.9
15°	3434.3	3528.2	3458.8	3385.3	3332.2
17.5°	3405.7	3503.7	3389.4	3213.8	3205.6
20°	3348.5	3401.6	3250.5	3123.9	3083.1
22.5°	3303.6	3364.9	3103.5	3017.8	3005.5
25°	3254.6	3275.0	3009.6	2944.3	2923.8
27.5°	3185.2	3226.0	2899.3	2866.7	2854.4
30°	3128.0	3128.0	2797.3	2797.3	2789.1
32.5°	3066.8	2997.3	2719.7	2723.7	2723.7
35°	2981.0	2866.7	2633.9	2654.3	2654.3
37.5°	2899.3	2707.4	2548.2	2580.8	2584.9
40°	2817.7	2584.9	2466.5	2503.2	2045.9
42.5°	2703.3	2450.1	2380.7	1927.4	1457.8
45°	2613.5	2323.6	2295.0	1400.7	477.8
47.5°	2511.4	2201.0	2205.1	445.1	441.0
50°	2384.8	2074.5	1727.4	420.6	428.8
52.5°	2290.9	1960.1	1216.9	408.4	412.4
55°	2160.2	1833.5	412.4	392.0	387.9
57.5°	2037.7	1715.1	383.9	363.4	347.1
60°	1898.9	1588.5	363.4	322.6	310.4
62.5°	1755.9	1461.9	334.9	285.9	277.7
65°	1608.9	1155.7	294.0	253.2	249.1
67.5°	1453.8	759.5	249.1	224.6	220.5
70°	1282.2	298.1	216.4	196.0	187.8
72.5°	1102.6	257.3	183.8	167.4	159.3
75°	906.6	212.3	151.1	134.8	130.7
77.5°	722.8	159.3	122.5	106.2	102.1
80°	539.0	118.4	93.9	81.7	77.6
82.5°	367.5	85.8	69.4	57.2	53.1
85°	191.9	57.2	49.0	36.8	32.7
87.5°	73.5	36.8	28.6	16.3	16.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)