

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: P218529

Luminaire Tested: **8TSNLED-LD5-72SL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218529
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7676.0 lumens
Efficiency: N/A
Efficacy: 138.6 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

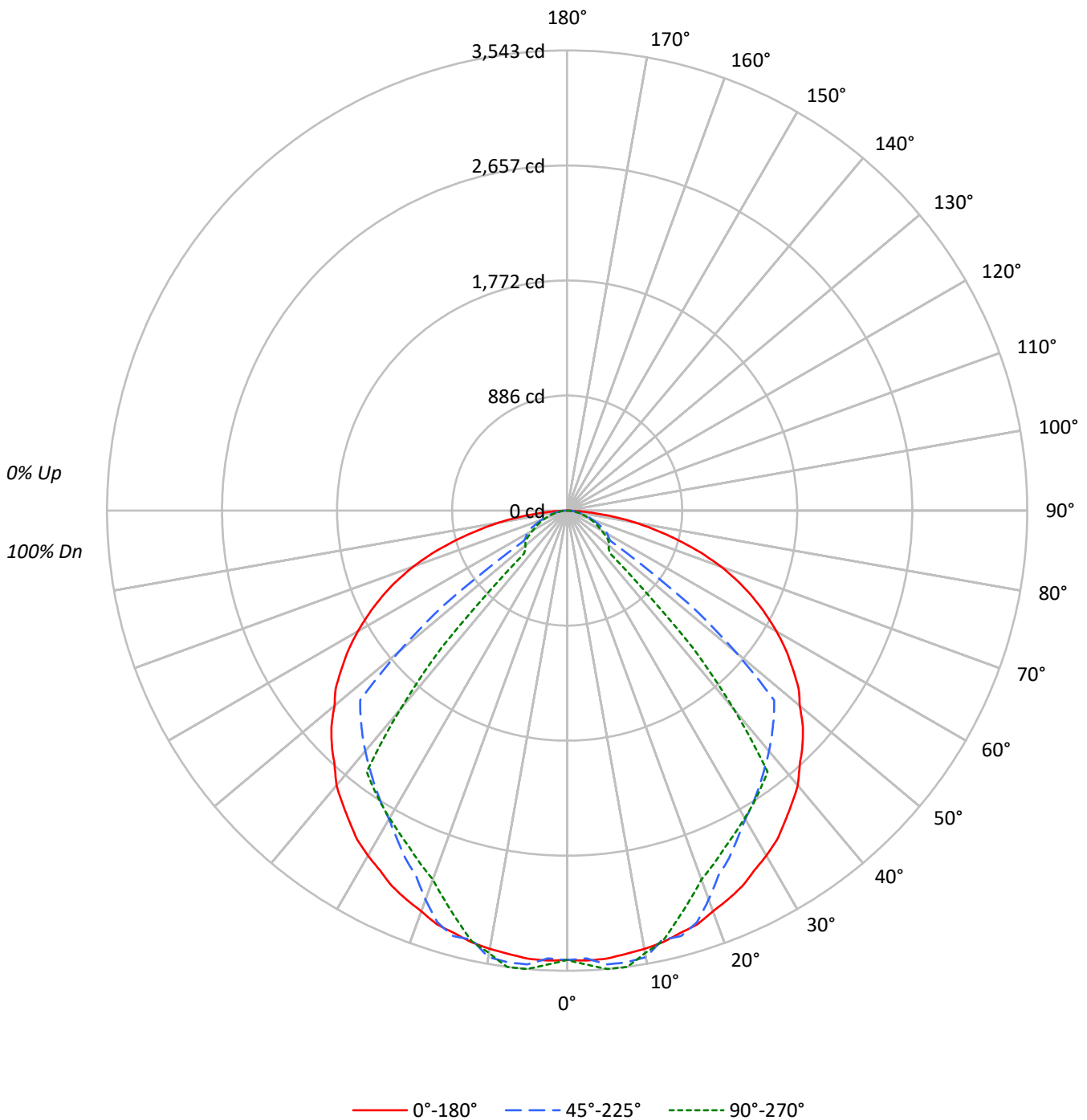
Input Watts (W): 55.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	27871	27871	27871
5°	27959	26681	26351
10°	27935	25338	24059
15°	27930	23702	21492
20°	27937	21639	19001
25°	28094	19626	17380
30°	28192	18009	16129
35°	28333	16872	15055
40°	28555	15840	11471
45°	28599	14890	2668
50°	28596	11411	2404
55°	28890	2797	2201
60°	28954	2551	1795
65°	28785	2157	1481
70°	28009	1676	1158
75°	25668	1248	843
80°	21925	839	529
85°	14046	480	238



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.9	4.4
10°-20°	946.7	12.3
20°-30°	1394.3	18.2
30°-40°	1678.2	21.9
40°-50°	1437.3	18.7
50°-60°	930.0	12.1
60°-70°	618.2	8.1
70°-80°	263.7	3.4
80°-90°	73.7	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°	2674.8	34.8
0°-40°	4353.0	56.7
0°-60°	6720.3	87.5
0°-90°	7676.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7676.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3459	3459	3459	3459	3459	
5°	3463	3475	3507	3547	3543	329
15°	3367	3459	3391	3319	3267	952
25°	3191	3211	2951	2887	2867	1470
35°	2923	2811	2582	2602	2602	1832
45°	2562	2278	2250	1373	468	1976
55°	2118	1798	404	384	380	1894
65°	1578	1133	288	248	244	1556
75°	889	208	148	132	128	942
85°	188	56	48	36	32	241
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3459.3	3459.3	3459.3	3459.3	3459.3
2.5°	3467.3	3455.3	3451.3	3495.3	3499.3
5°	3463.3	3475.3	3507.3	3547.3	3543.3
7.5°	3443.2	3483.3	3507.3	3567.4	3543.3
10°	3427.2	3499.3	3491.3	3495.3	3459.3
12.5°	3403.2	3471.3	3383.2	3443.2	3395.2
15°	3367.2	3459.3	3391.2	3319.1	3267.1
17.5°	3339.1	3435.2	3323.1	3151.0	3143.0
20°	3283.1	3335.1	3187.0	3062.9	3022.8
22.5°	3239.1	3299.1	3042.9	2958.8	2946.8
25°	3191.0	3211.0	2950.8	2886.7	2866.7
27.5°	3122.9	3163.0	2842.7	2810.6	2798.6
30°	3066.9	3066.9	2742.6	2742.6	2734.6
32.5°	3006.8	2938.8	2666.5	2670.5	2670.5
35°	2922.8	2810.6	2582.4	2602.5	2602.5
37.5°	2842.7	2654.5	2498.4	2530.4	2534.4
40°	2762.6	2534.4	2418.3	2454.3	2005.9
42.5°	2650.5	2402.3	2334.2	1889.8	1429.3
45°	2562.4	2278.1	2250.1	1373.3	468.4
47.5°	2462.3	2158.0	2162.0	436.4	432.4
50°	2338.2	2033.9	1693.6	412.4	420.4
52.5°	2246.1	1921.8	1193.1	400.4	404.4
55°	2118.0	1797.7	404.4	384.4	380.4
57.5°	1997.9	1681.6	376.4	356.3	340.3
60°	1861.8	1557.5	356.3	316.3	304.3
62.5°	1721.6	1433.4	328.3	280.3	272.3
65°	1577.5	1133.1	288.3	248.2	244.2
67.5°	1425.3	744.7	244.2	220.2	216.2
70°	1257.2	292.3	212.2	192.2	184.2
72.5°	1081.0	252.2	180.2	164.2	156.1
75°	888.8	208.2	148.1	132.1	128.1
77.5°	708.7	156.1	120.1	104.1	100.1
80°	528.5	116.1	92.1	80.1	76.1
82.5°	360.3	84.1	68.1	56.1	52.0
85°	188.2	56.1	48.0	36.0	32.0
87.5°	72.1	36.0	28.0	16.0	16.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)