

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: P218531

Luminaire Tested: **8TSNLED-LD5-72SL-RW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218531
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8469.0 lumens
Efficiency: N/A
Efficacy: 152.9 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

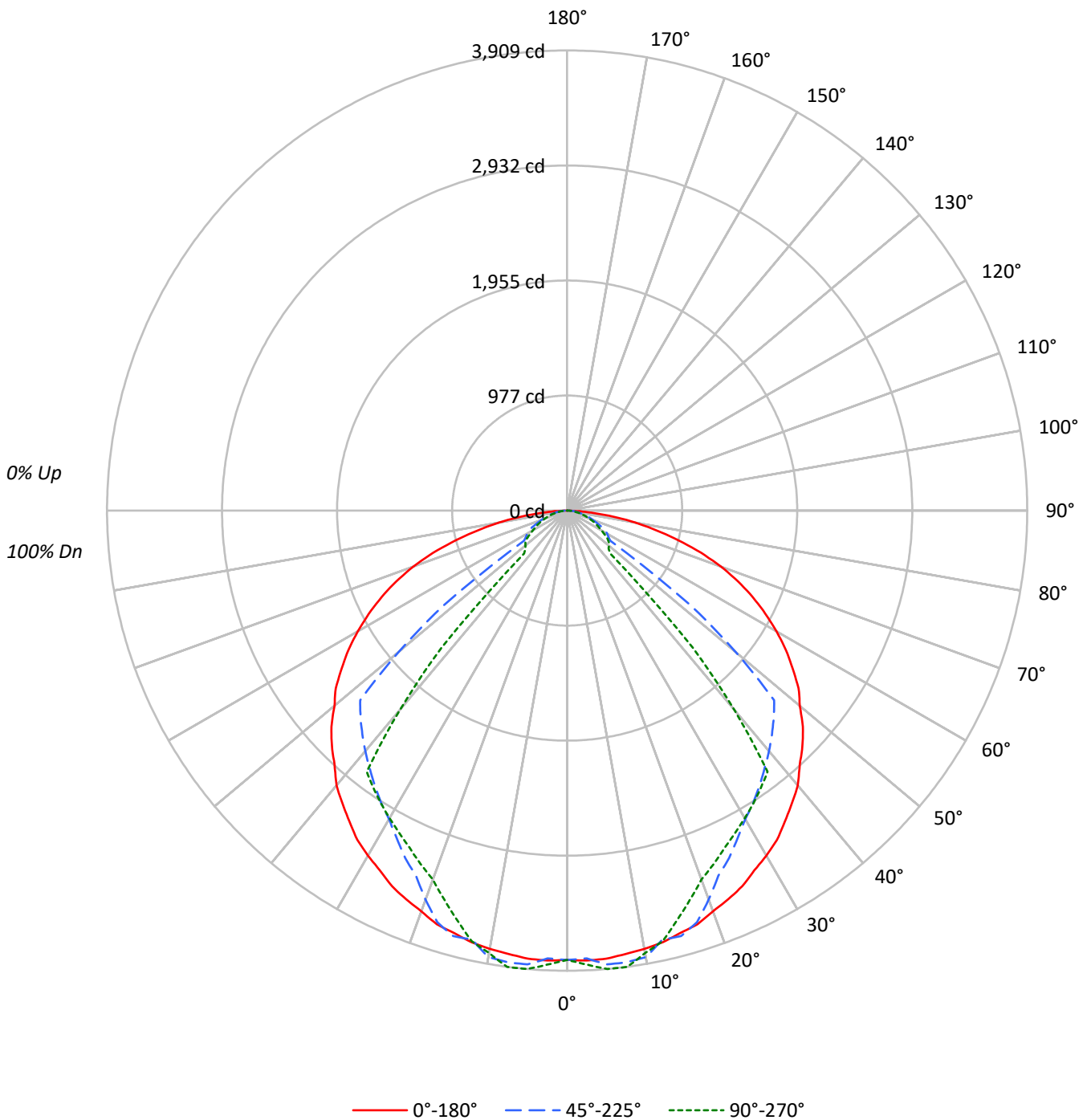
Input Watts (W): 55.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	30750	30750	30750
5°	30846	29437	29074
10°	30822	27955	26544
15°	30815	26150	23712
20°	30823	23875	20964
25°	30996	21653	19176
30°	31104	19870	17795
35°	31260	18615	16610
40°	31505	17476	12656
45°	31553	16428	2944
50°	31551	12590	2652
55°	31874	3086	2428
60°	31944	2815	1980
65°	31759	2380	1634
70°	30903	1848	1277
75°	28322	1377	930
80°	24190	925	584
85°	15494	530	263



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.4	4.4
10°-20°	1044.5	12.3
20°-30°	1538.3	18.2
30°-40°	1851.5	21.9
40°-50°	1585.8	18.7
50°-60°	1026.1	12.1
60°-70°	682.1	8.1
70°-80°	291.0	3.4
80°-90°	81.3	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°	2951.2	34.8
0°-40°	4802.7	56.7
0°-60°	7414.6	87.5
0°-90°	8469.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8469.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3817	3817	3817	3817	3817	
5°	3821	3834	3870	3914	3909	363
15°	3715	3817	3742	3662	3605	1051
25°	3521	3543	3256	3185	3163	1622
35°	3225	3101	2849	2871	2871	2021
45°	2827	2514	2483	1515	517	2180
55°	2337	1983	446	424	420	2089
65°	1740	1250	318	274	270	1716
75°	981	230	163	146	141	1039
85°	208	62	53	40	35	265
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3816.6	3816.6	3816.6	3816.6	3816.6
2.5°	3825.5	3812.2	3807.8	3856.4	3860.8
5°	3821.0	3834.3	3869.6	3913.8	3909.4
7.5°	3799.0	3843.1	3869.6	3935.9	3909.4
10°	3781.3	3860.8	3852.0	3856.4	3816.6
12.5°	3754.8	3829.9	3732.7	3799.0	3746.0
15°	3715.0	3816.6	3741.5	3662.0	3604.6
17.5°	3684.1	3790.1	3666.4	3476.5	3467.7
20°	3622.3	3679.7	3516.2	3379.3	3335.1
22.5°	3573.7	3639.9	3357.2	3264.5	3251.2
25°	3520.7	3542.8	3255.6	3184.9	3162.9
27.5°	3445.6	3489.7	3136.4	3101.0	3087.8
30°	3383.7	3383.7	3025.9	3025.9	3017.1
32.5°	3317.5	3242.4	2942.0	2946.4	2946.4
35°	3224.7	3101.0	2849.2	2871.3	2871.3
37.5°	3136.4	2928.7	2756.5	2791.8	2796.2
40°	3048.0	2796.2	2668.1	2707.9	2213.1
42.5°	2924.3	2650.4	2575.3	2085.0	1577.0
45°	2827.1	2513.5	2482.6	1515.2	516.8
47.5°	2716.7	2381.0	2385.4	481.5	477.1
50°	2579.8	2244.0	1868.6	455.0	463.8
52.5°	2478.2	2120.4	1316.4	441.7	446.2
55°	2336.8	1983.4	446.2	424.1	419.7
57.5°	2204.3	1855.3	415.2	393.1	375.5
60°	2054.1	1718.4	393.1	349.0	335.7
62.5°	1899.5	1581.4	362.2	309.2	300.4
65°	1740.5	1250.1	318.1	273.9	269.5
67.5°	1572.6	821.6	269.5	243.0	238.5
70°	1387.1	322.5	234.1	212.0	203.2
72.5°	1192.7	278.3	198.8	181.1	172.3
75°	980.7	229.7	163.4	145.8	141.4
77.5°	781.9	172.3	132.5	114.9	110.4
80°	583.1	128.1	101.6	88.3	83.9
82.5°	397.6	92.8	75.1	61.8	57.4
85°	207.6	61.8	53.0	39.8	35.3
87.5°	79.5	39.8	30.9	17.7	17.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)