

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: P218521

Luminaire Tested: **8TSNLED-LD5-57SL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218521
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-LD5-57SL-RW-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6274.0 lumens
Efficiency: N/A
Efficacy: 142.3 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

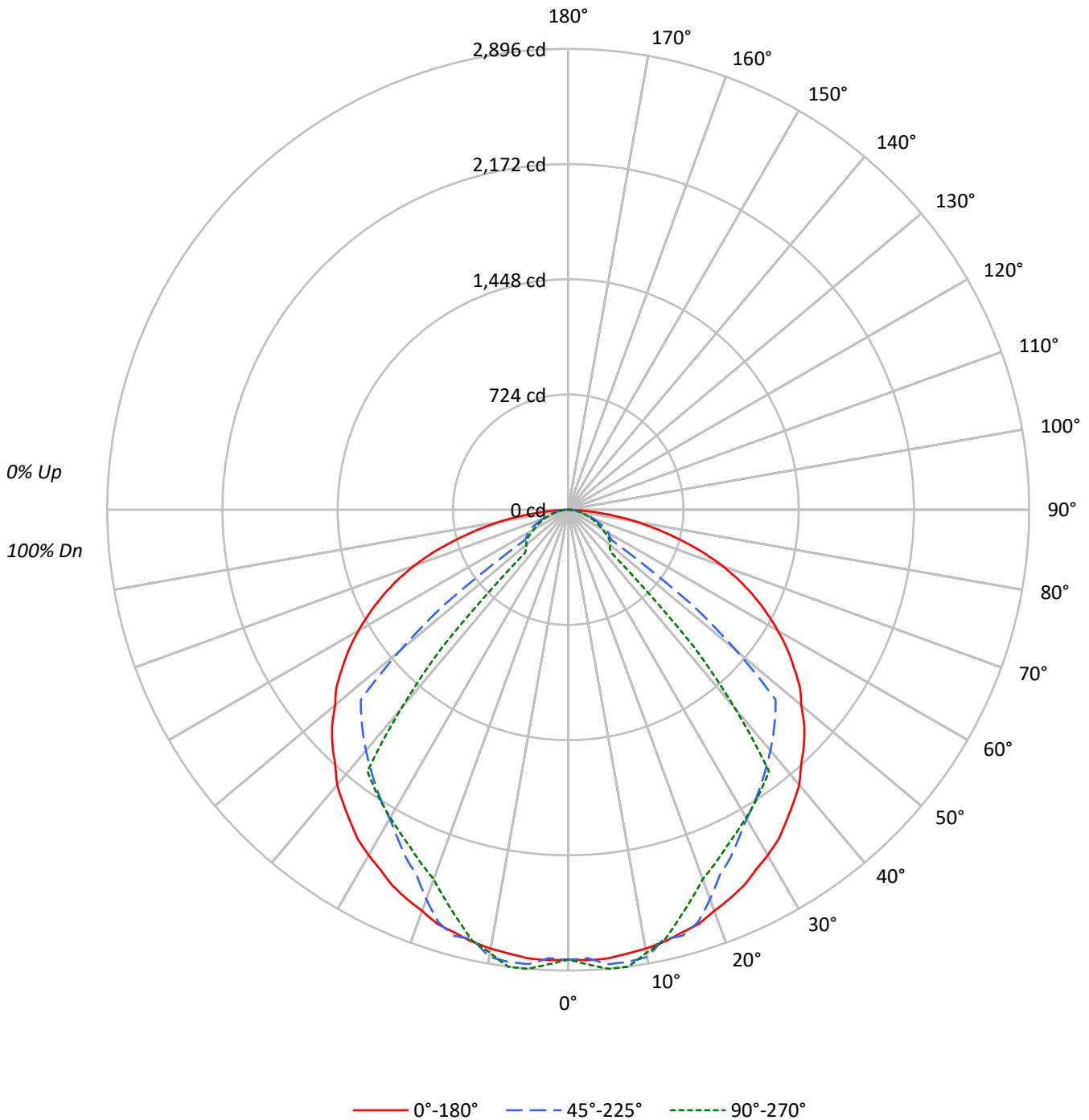
Input Watts (W): 44.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22780	22780	22780
5°	22852	21807	21539
10°	22834	20710	19664
15°	22829	19373	17567
20°	22834	17687	15531
25°	22963	16041	14205
30°	23043	14720	13183
35°	23158	13790	12305
40°	23340	12947	9376
45°	23376	12170	2181
50°	23373	9327	1965
55°	23612	2286	1799
60°	23665	2086	1467
65°	23528	1763	1210
70°	22894	1369	946
75°	20981	1020	689
80°	17922	686	433
85°	11479	393	195



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.9	4.4
10°-20°	773.8	12.3
20°-30°	1139.6	18.2
30°-40°	1371.7	21.9
40°-50°	1174.8	18.7
50°-60°	760.2	12.1
60°-70°	505.3	8.1
70°-80°	215.6	3.4
80°-90°	60.3	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°	2186.3	34.8
0°-40°	3557.9	56.7
0°-60°	5492.9	87.5
0°-90°	6274.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6274.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2827	2827	2827	2827	2827	
5°	2831	2840	2867	2899	2896	269
15°	2752	2827	2772	2713	2670	778
25°	2608	2624	2412	2360	2343	1201
35°	2389	2297	2111	2127	2127	1497
45°	2094	1862	1839	1122	383	1615
55°	1731	1469	330	314	311	1548
65°	1289	926	236	203	200	1271
75°	726	170	121	108	105	770
85°	154	46	39	30	26	197
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2827.4	2827.4	2827.4	2827.4	2827.4
2.5°	2834.0	2824.2	2820.9	2856.9	2860.2
5°	2830.7	2840.5	2866.7	2899.4	2896.2
7.5°	2814.3	2847.1	2866.7	2915.8	2896.2
10°	2801.3	2860.2	2853.6	2856.9	2827.4
12.5°	2781.6	2837.3	2765.3	2814.3	2775.1
15°	2752.2	2827.4	2771.8	2712.9	2670.4
17.5°	2729.3	2807.8	2716.2	2575.5	2568.9
20°	2683.4	2726.0	2604.9	2503.5	2470.7
22.5°	2647.4	2696.5	2487.1	2418.4	2408.6
25°	2608.2	2624.5	2411.8	2359.5	2343.1
27.5°	2552.5	2585.3	2323.5	2297.3	2287.5
30°	2506.7	2506.7	2241.7	2241.7	2235.1
32.5°	2457.6	2402.0	2179.5	2182.8	2182.8
35°	2388.9	2297.3	2110.8	2127.1	2127.1
37.5°	2323.5	2169.7	2042.0	2068.2	2071.5
40°	2258.0	2071.5	1976.6	2006.0	1639.5
42.5°	2166.4	1963.5	1907.9	1544.6	1168.3
45°	2094.4	1862.0	1839.1	1122.5	382.9
47.5°	2012.6	1763.9	1767.1	356.7	353.4
50°	1911.1	1662.4	1384.3	337.1	343.6
52.5°	1835.9	1570.8	975.2	327.2	330.5
55°	1731.1	1469.4	330.5	314.2	310.9
57.5°	1633.0	1374.4	307.6	291.3	278.2
60°	1521.7	1273.0	291.3	258.5	248.7
62.5°	1407.2	1171.6	268.3	229.1	222.5
65°	1289.4	926.1	235.6	202.9	199.6
67.5°	1165.0	608.7	199.6	180.0	176.7
70°	1027.6	238.9	173.4	157.1	150.5
72.5°	883.6	206.2	147.3	134.2	127.6
75°	726.5	170.2	121.1	108.0	104.7
77.5°	579.2	127.6	98.2	85.1	81.8
80°	432.0	94.9	75.3	65.4	62.2
82.5°	294.5	68.7	55.6	45.8	42.5
85°	153.8	45.8	39.3	29.5	26.2
87.5°	58.9	29.5	22.9	13.1	13.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)