

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: P218520

Luminaire Tested: **8TSNLED-LD5-57SL-RW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218520
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5906.0 lumens
Efficiency: N/A
Efficacy: 133.9 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

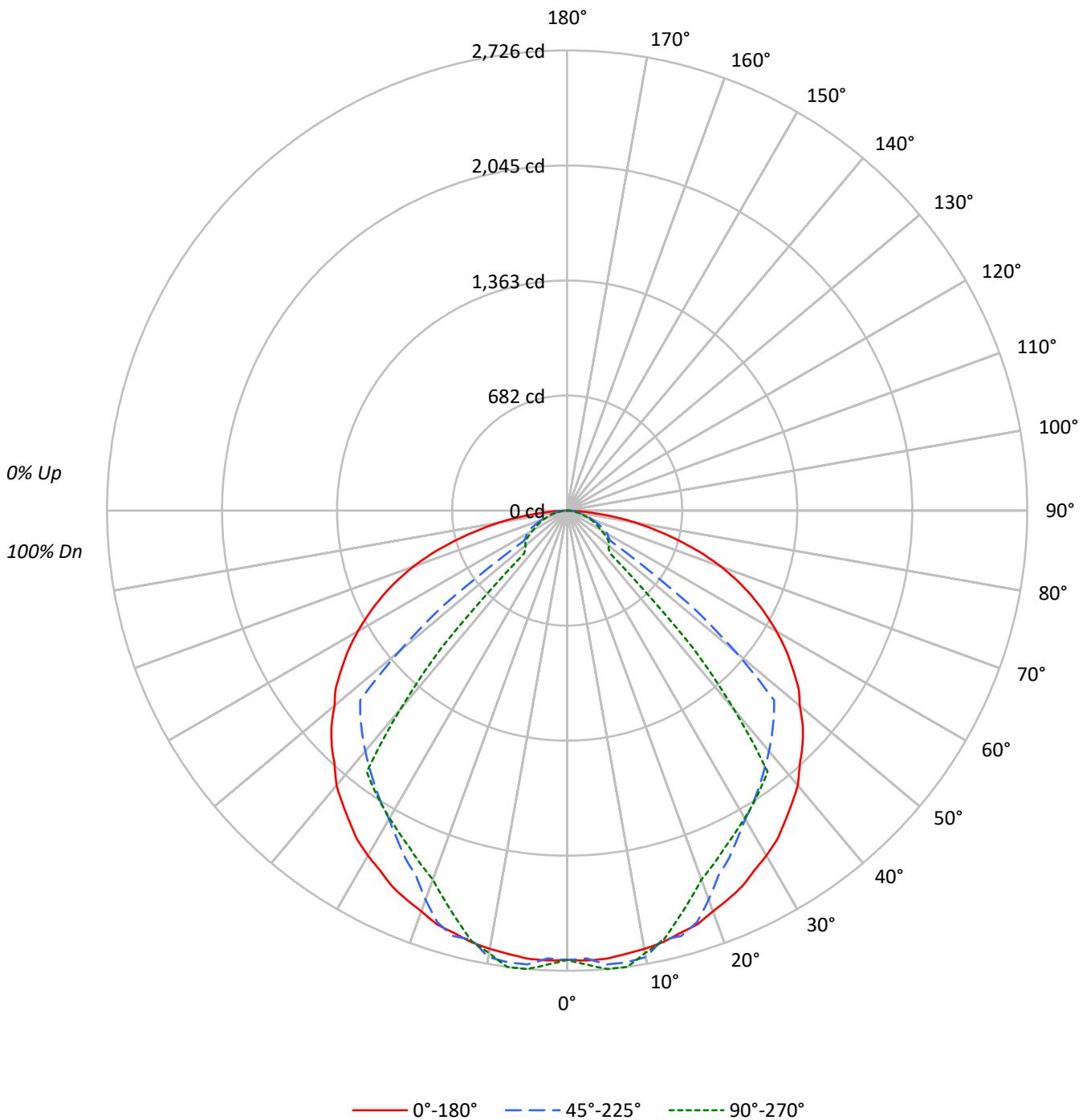
Input Watts (W): 44.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	21444	21444	21444
5°	21512	20529	20275
10°	21494	19495	18511
15°	21489	18236	16536
20°	21494	16650	14620
25°	21616	15100	13372
30°	21691	13857	12409
35°	21800	12982	11584
40°	21971	12188	8826
45°	22005	11456	2053
50°	22002	8780	1850
55°	22228	2152	1693
60°	22277	1963	1381
65°	22147	1659	1139
70°	21550	1289	891
75°	19751	961	649
80°	16868	646	407
85°	10807	370	183



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.9	4.4
10°-20°	728.4	12.3
20°-30°	1072.8	18.2
30°-40°	1291.2	21.9
40°-50°	1105.9	18.7
50°-60°	715.6	12.1
60°-70°	475.7	8.1
70°-80°	202.9	3.4
80°-90°	56.7	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°	2058.0	34.8
0°-40°	3349.3	56.7
0°-60°	5170.7	87.6
0°-90°	5906.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5906.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2662	2662	2662	2662	2662	
5°	2665	2674	2699	2729	2726	253
15°	2591	2662	2609	2554	2514	733
25°	2455	2471	2270	2221	2206	1131
35°	2249	2162	1987	2002	2002	1409
45°	1972	1753	1731	1057	360	1520
55°	1630	1383	311	296	293	1457
65°	1214	872	222	191	188	1197
75°	684	160	114	102	99	725
85°	145	43	37	28	25	185
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2661.6	2661.6	2661.6	2661.6	2661.6
2.5°	2667.8	2658.5	2655.4	2689.3	2692.4
5°	2664.7	2673.9	2698.6	2729.4	2726.3
7.5°	2649.3	2680.1	2698.6	2744.8	2726.3
10°	2636.9	2692.4	2686.2	2689.3	2661.6
12.5°	2618.5	2670.8	2603.1	2649.3	2612.3
15°	2590.7	2661.6	2609.2	2553.8	2513.7
17.5°	2569.2	2643.1	2556.9	2424.4	2418.2
20°	2526.0	2566.1	2452.1	2356.6	2325.8
22.5°	2492.2	2538.4	2341.2	2276.5	2267.3
25°	2455.2	2470.6	2270.4	2221.1	2205.7
27.5°	2402.8	2433.6	2187.2	2162.5	2153.3
30°	2359.7	2359.7	2110.2	2110.2	2104.0
32.5°	2313.5	2261.1	2051.6	2054.7	2054.7
35°	2248.8	2162.5	1987.0	2002.4	2002.4
37.5°	2187.2	2042.4	1922.3	1946.9	1950.0
40°	2125.6	1950.0	1860.7	1888.4	1543.4
42.5°	2039.3	1848.3	1796.0	1454.0	1099.8
45°	1971.6	1752.8	1731.3	1056.6	360.4
47.5°	1894.5	1660.4	1663.5	335.8	332.7
50°	1799.0	1564.9	1303.1	317.3	323.5
52.5°	1728.2	1478.7	918.0	308.1	311.1
55°	1629.6	1383.2	311.1	295.7	292.7
57.5°	1537.2	1293.8	289.6	274.2	261.8
60°	1432.5	1198.3	274.2	243.4	234.1
62.5°	1324.6	1102.8	252.6	215.6	209.5
65°	1213.7	871.8	221.8	191.0	187.9
67.5°	1096.7	573.0	187.9	169.4	166.3
70°	967.3	224.9	163.3	147.9	141.7
72.5°	831.7	194.1	138.6	126.3	120.1
75°	683.9	160.2	114.0	101.7	98.6
77.5°	545.3	120.1	92.4	80.1	77.0
80°	406.6	89.3	70.9	61.6	58.5
82.5°	277.2	64.7	52.4	43.1	40.0
85°	144.8	43.1	37.0	27.7	24.6
87.5°	55.4	27.7	21.6	12.3	12.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)