

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: P218018

Luminaire Tested: **8TSNLED-LD5-88SL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218018  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8TSNLED-LD5-88SL-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9619.0 lumens  
Efficiency: N/A  
Efficacy: 157.3 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')  
CIE Type: Direct

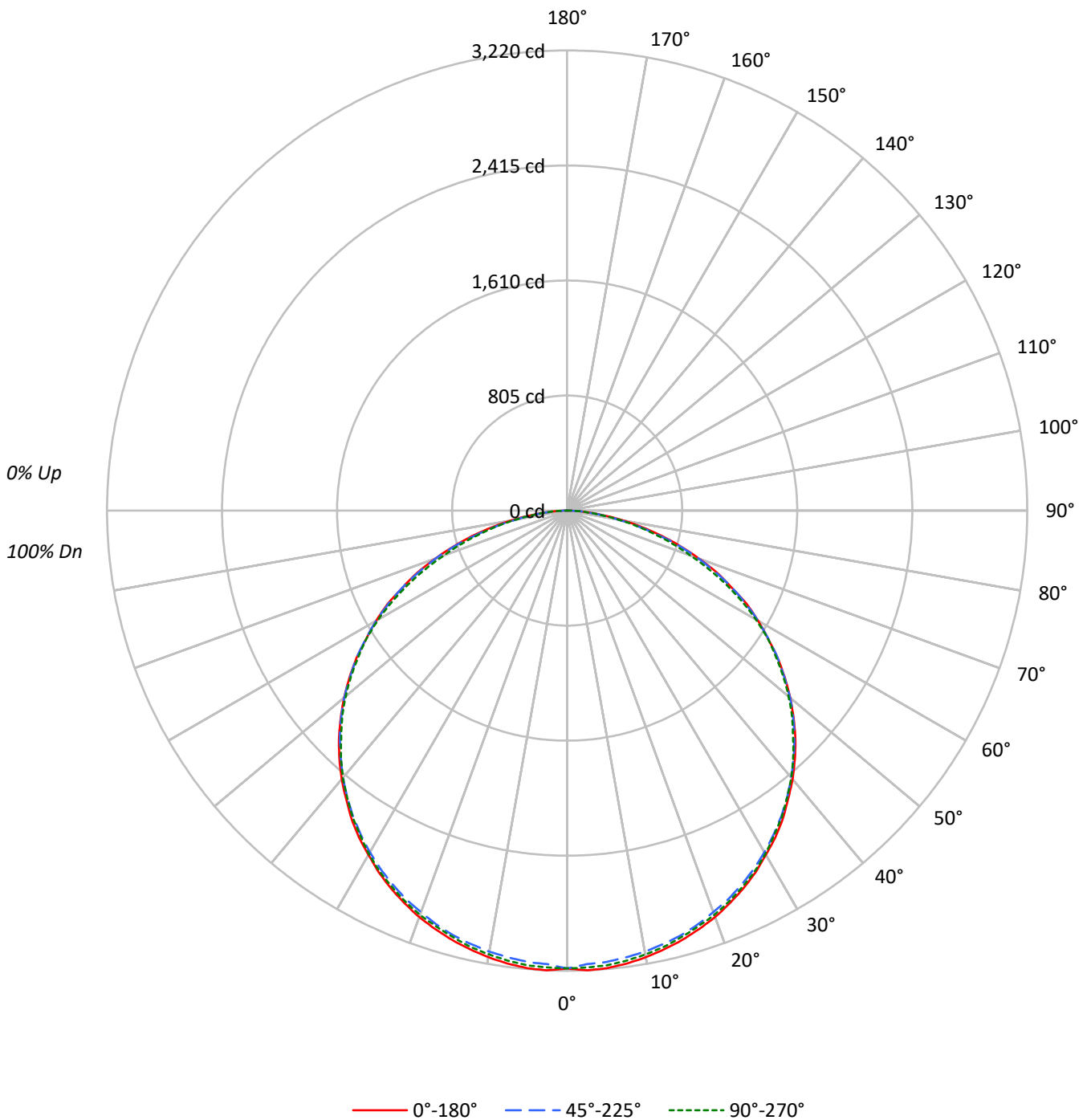
Input Watts (W): 61.16  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P218018

CATALOG NUMBER: 8TSNLED-LD5-88SL-UNV-L850-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P218018

CATALOG NUMBER: 8TSNLED-LD5-88SL-UNV-L850-CD1-U

**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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91		93	91	88		90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	70	64	87	77	70	63	74	68	62		71	66	61		69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25		36	30	25		36	29	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	25810	25810	25810
5°	25942	24117	23750
10°	25868	22742	21933
15°	25800	21506	20330
20°	25759	20306	18925
25°	25685	19205	17607
30°	25564	18131	16363
35°	25508	17061	15145
40°	25376	15971	13964
45°	25211	14881	12736
50°	24939	13717	11567
55°	24548	12447	10315
60°	24004	11052	9006
65°	23127	9508	7462
70°	21864	7696	5771
75°	19886	5551	4136
80°	16424	3303	2568
85°	10926	1429	1039



TEST NUMBER: P218018

CATALOG NUMBER: 8TSNLED-LD5-88SL-UNV-L850-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	303.6	3.2
10°-20°	874.0	9.1
20°-30°	1339.1	13.9
30°-40°	1639.0	17.0
40°-50°	1734.5	18.0
50°-60°	1604.2	16.7
60°-70°	1245.6	12.9
70°-80°	701.6	7.3
80°-90°	177.5	1.8
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°	2516.7	26.2
0°-40°	4155.6	43.2
0°-60°	7494.3	77.9
0°-90°	9619.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9619.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3204	3204	3204	3204	3204	
5°	3214	3200	3170	3200	3194	305
15°	3110	3100	3077	3104	3090	878
25°	2917	2908	2888	2911	2904	1345
35°	2631	2621	2611	2618	2618	1645
45°	2259	2255	2249	2246	2236	1741
55°	1800	1806	1800	1793	1783	1605
65°	1267	1277	1271	1254	1231	1257
75°	689	689	659	642	629	725
85°	146	146	143	143	140	182
90°	0	0	0	0	0	



TEST NUMBER: P218018

CATALOG NUMBER: 8TSNLED-LD5-88SL-UNV-L850-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3203.5	3203.5	3203.5	3203.5	3203.5
2.5°	3220.2	3206.9	3176.9	3206.9	3200.2
5°	3213.5	3200.2	3170.3	3200.2	3193.5
7.5°	3196.9	3186.9	3153.6	3183.6	3176.9
10°	3173.6	3163.6	3133.7	3163.6	3153.6
12.5°	3143.7	3133.7	3107.1	3133.7	3127.0
15°	3110.4	3100.4	3077.1	3103.7	3090.4
17.5°	3070.5	3063.8	3037.2	3063.8	3050.5
20°	3027.2	3013.9	2990.6	3017.2	3010.6
22.5°	2974.0	2967.3	2944.1	2967.3	2960.7
25°	2917.4	2907.5	2887.5	2910.8	2904.1
27.5°	2854.2	2847.6	2827.6	2844.3	2844.3
30°	2781.0	2777.7	2761.1	2777.7	2774.4
32.5°	2711.2	2704.5	2687.9	2701.2	2694.6
35°	2631.4	2621.4	2611.4	2618.0	2618.0
37.5°	2541.5	2538.2	2528.2	2538.2	2528.2
40°	2455.0	2448.4	2438.4	2441.7	2441.7
42.5°	2358.6	2355.2	2345.3	2345.3	2341.9
45°	2258.8	2255.4	2248.8	2245.5	2235.5
47.5°	2149.0	2145.7	2145.7	2142.3	2135.7
50°	2039.2	2039.2	2035.9	2025.9	2022.6
52.5°	1919.5	1926.1	1916.1	1909.5	1906.2
55°	1799.7	1806.4	1799.7	1793.0	1783.1
57.5°	1666.6	1679.9	1670.0	1666.6	1663.3
60°	1543.5	1550.2	1543.5	1533.6	1526.9
62.5°	1417.1	1417.1	1407.2	1400.5	1380.5
65°	1267.4	1277.4	1270.8	1254.1	1230.8
67.5°	1134.4	1127.7	1121.1	1101.1	1074.5
70°	981.4	984.7	974.7	944.8	918.1
72.5°	835.0	841.6	821.7	781.8	775.1
75°	688.6	688.6	658.7	642.0	628.7
77.5°	538.9	542.2	502.3	499.0	495.7
80°	395.9	402.5	362.6	372.6	369.3
82.5°	269.5	262.8	246.2	246.2	242.8
85°	146.4	146.4	143.0	143.0	139.7
87.5°	56.6	59.9	66.5	73.2	69.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)