

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: P218522

Luminaire Tested: **8TSNLED-LD5-57SL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218522  
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-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6400.0 lumens  
Efficiency: N/A  
Efficacy: 145.1 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

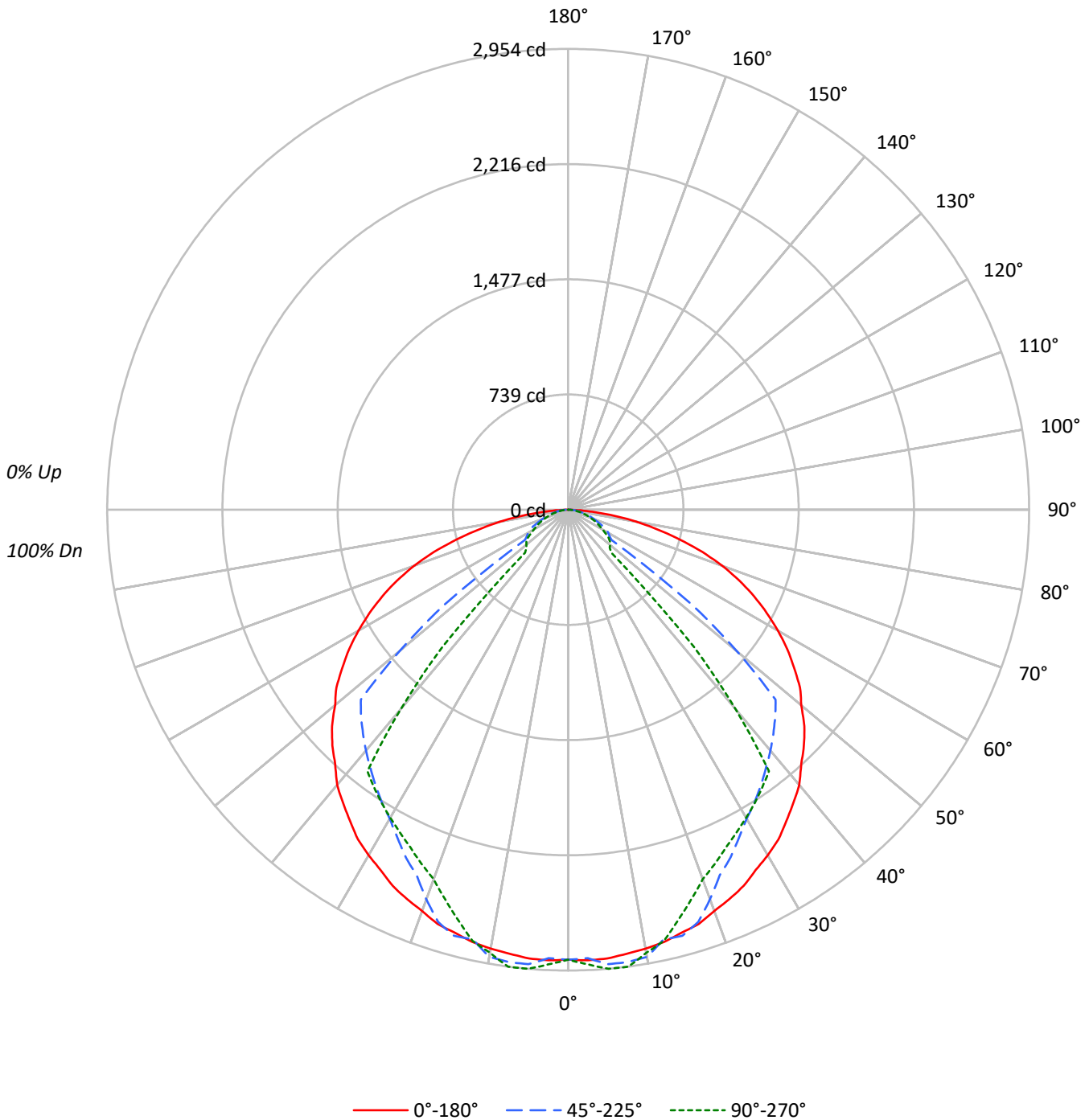
Input Watts (W): 44.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P218522

CATALOG NUMBER: 8TSNLED-LD5-57SL-RW-UNV-L840-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P218522

CATALOG NUMBER: 8TSNLED-LD5-57SL-RW-UNV-L840-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	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°	23237	23237	23237
5°	23311	22246	21971
10°	23292	21125	20059
15°	23286	19762	17919
20°	23292	18042	15843
25°	23424	16363	14491
30°	23506	15016	13447
35°	23623	14067	12552
40°	23809	13207	9564
45°	23846	12415	2225
50°	23842	9514	2004
55°	24087	2332	1834
60°	24140	2127	1496
65°	24001	1799	1234
70°	23353	1397	966
75°	21402	1041	703
80°	18279	700	441
85°	11710	401	199



TEST NUMBER: P218522

CATALOG NUMBER: 8TSNLED-LD5-57SL-RW-UNV-L840-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	278.4	4.4
10°-20°	789.3	12.3
20°-30°	1162.5	18.2
30°-40°	1399.2	21.9
40°-50°	1198.4	18.7
50°-60°	775.4	12.1
60°-70°	515.5	8.1
70°-80°	219.9	3.4
80°-90°	61.5	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°	2230.2	34.8
0°-40°	3629.4	56.7
0°-60°	5603.2	87.5
0°-90°	6400.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6400.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2884	2884	2884	2884	2884	
5°	2888	2898	2924	2958	2954	274
15°	2807	2884	2828	2767	2724	794
25°	2661	2677	2460	2407	2390	1225
35°	2437	2343	2153	2170	2170	1527
45°	2136	1899	1876	1145	391	1647
55°	1766	1499	337	320	317	1579
65°	1315	945	240	207	204	1297
75°	741	174	124	110	107	785
85°	157	47	40	30	27	201
90°	0	0	0	0	0	



TEST NUMBER: P218522

CATALOG NUMBER: 8TSNLED-LD5-57SL-RW-UNV-L840-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2884.2	2884.2	2884.2	2884.2	2884.2
2.5°	2890.9	2880.9	2877.5	2914.3	2917.6
5°	2887.6	2897.6	2924.3	2957.7	2954.3
7.5°	2870.9	2904.2	2924.3	2974.4	2954.3
10°	2857.5	2917.6	2910.9	2914.3	2884.2
12.5°	2837.5	2894.2	2820.8	2870.9	2830.8
15°	2807.4	2884.2	2827.5	2767.4	2724.0
17.5°	2784.1	2864.2	2770.7	2627.2	2620.5
20°	2737.3	2780.7	2657.2	2553.7	2520.4
22.5°	2700.6	2750.7	2537.0	2466.9	2456.9
25°	2660.6	2677.2	2460.3	2406.9	2390.2
27.5°	2603.8	2637.2	2370.1	2343.4	2333.4
30°	2557.1	2557.1	2286.7	2286.7	2280.0
32.5°	2507.0	2450.3	2223.3	2226.6	2226.6
35°	2436.9	2343.4	2153.1	2169.8	2169.8
37.5°	2370.1	2213.2	2083.0	2109.8	2113.1
40°	2303.4	2113.1	2016.3	2046.3	1672.4
42.5°	2209.9	2002.9	1946.2	1575.6	1191.7
45°	2136.5	1899.4	1876.1	1145.0	390.6
47.5°	2053.0	1799.3	1802.6	363.9	360.5
50°	1949.5	1695.8	1412.1	343.8	350.5
52.5°	1872.7	1602.3	994.8	333.8	337.2
55°	1765.9	1498.9	337.2	320.5	317.1
57.5°	1665.8	1402.1	313.8	297.1	283.7
60°	1552.3	1298.6	297.1	263.7	253.7
62.5°	1435.4	1195.1	273.7	233.7	227.0
65°	1315.3	944.7	240.4	207.0	203.6
67.5°	1188.4	620.9	203.6	183.6	180.3
70°	1048.2	243.7	176.9	160.2	153.6
72.5°	901.3	210.3	150.2	136.9	130.2
75°	741.1	173.6	123.5	110.2	106.8
77.5°	590.9	130.2	100.1	86.8	83.5
80°	440.6	96.8	76.8	66.8	63.4
82.5°	300.4	70.1	56.7	46.7	43.4
85°	156.9	46.7	40.1	30.0	26.7
87.5°	60.1	30.0	23.4	13.4	13.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)