

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: P218021

Luminaire Tested: **8TSNLED-LD5-96SL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218021
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-LD5-96SL-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9825.0 lumens
Efficiency: N/A
Efficacy: 142.0 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

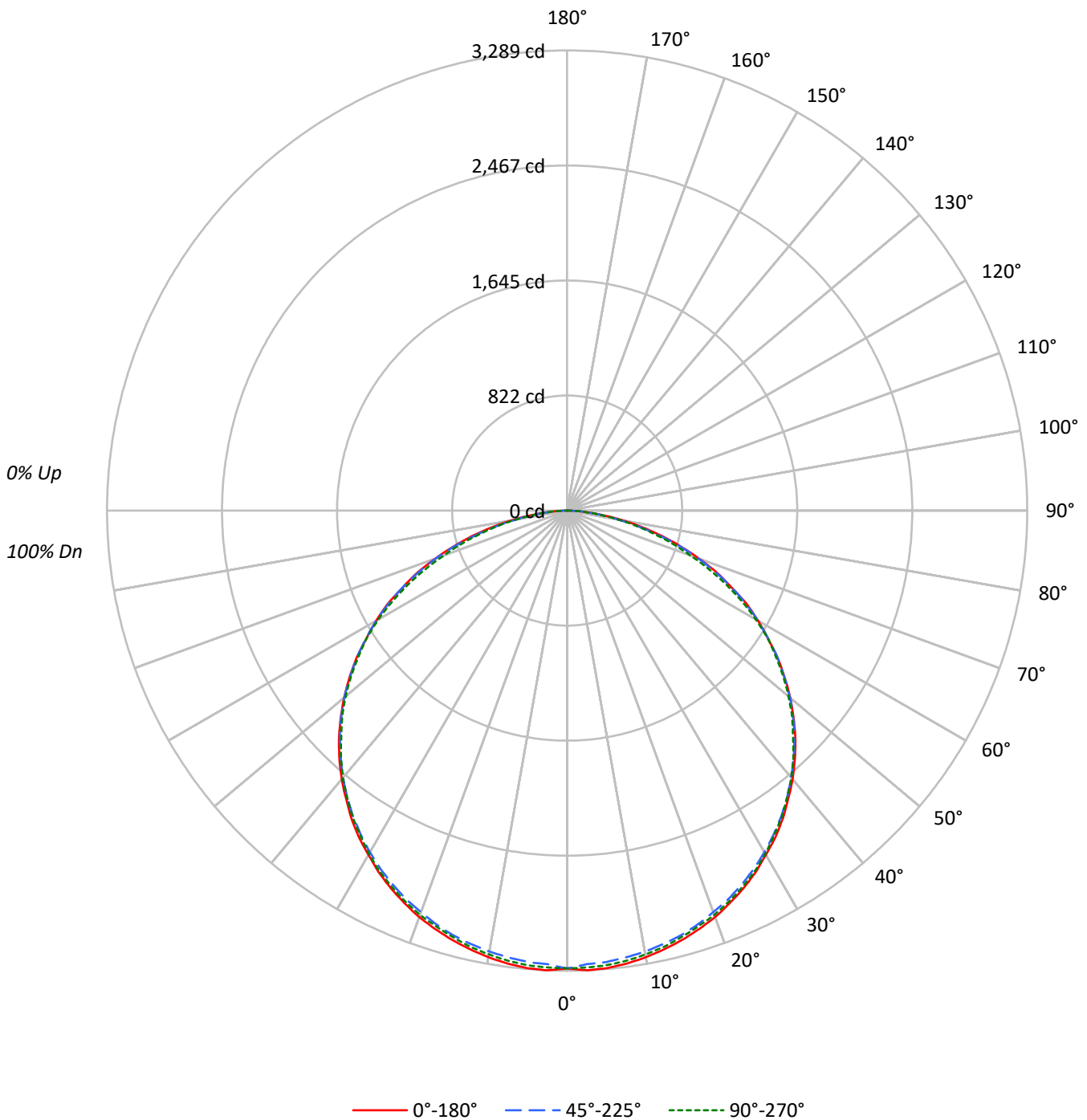
Input Watts (W): 69.18
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218021

CATALOG NUMBER: 8TSNLED-LD5-96SL-UNV-L840-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P218021

CATALOG NUMBER: 8TSNLED-LD5-96SL-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	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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37					37			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32					32			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26363	26363	26363
5°	26498	24634	24259
10°	26423	23229	22403
15°	26352	21967	20765
20°	26311	20741	19330
25°	26235	19616	17984
30°	26112	18519	16714
35°	26054	17426	15469
40°	25920	16313	14263
45°	25750	15200	13009
50°	25474	14011	11814
55°	25073	12714	10536
60°	24518	11289	9199
65°	23623	9711	7622
70°	22332	7861	5895
75°	20314	5670	4225
80°	16773	3374	2623
85°	11158	1460	1061



TEST NUMBER: P218021

CATALOG NUMBER: 8TSNLED-LD5-96SL-UNV-L840-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.1	3.2
10°-20°	892.7	9.1
20°-30°	1367.7	13.9
30°-40°	1674.1	17.0
40°-50°	1771.6	18.0
50°-60°	1638.5	16.7
60°-70°	1272.3	12.9
70°-80°	716.7	7.3
80°-90°	181.3	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
<hr/>		
0°-30°	2570.6	26.2
0°-40°	4244.7	43.2
0°-60°	7654.8	77.9
0°-90°	9825.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9825.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3272	3272	3272	3272	3272	
5°	3282	3269	3238	3269	3262	312
15°	3177	3167	3143	3170	3157	897
25°	2980	2970	2949	2973	2966	1374
35°	2688	2678	2667	2674	2674	1681
45°	2307	2304	2297	2294	2283	1778
55°	1838	1845	1838	1831	1821	1640
65°	1295	1305	1298	1281	1257	1284
75°	703	703	673	656	642	741
85°	150	150	146	146	143	186
90°	0	0	0	0	0	



TEST NUMBER: P218021

CATALOG NUMBER: 8TSNLED-LD5-96SL-UNV-L840-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3272.1	3272.1	3272.1	3272.1	3272.1
2.5°	3289.1	3275.5	3245.0	3275.5	3268.7
5°	3282.3	3268.7	3238.2	3268.7	3261.9
7.5°	3265.3	3255.1	3221.2	3251.7	3245.0
10°	3241.6	3231.4	3200.8	3231.4	3221.2
12.5°	3211.0	3200.8	3173.6	3200.8	3194.0
15°	3177.0	3166.8	3143.0	3170.2	3156.6
17.5°	3136.2	3129.4	3102.2	3129.4	3115.8
20°	3092.0	3078.5	3054.7	3081.9	3075.1
22.5°	3037.7	3030.9	3007.1	3030.9	3024.1
25°	2979.9	2969.7	2949.3	2973.1	2966.3
27.5°	2915.4	2908.6	2888.2	2905.2	2905.2
30°	2840.6	2837.2	2820.2	2837.2	2833.8
32.5°	2769.3	2762.5	2745.5	2759.1	2752.3
35°	2687.7	2677.5	2667.3	2674.1	2674.1
37.5°	2596.0	2592.6	2582.4	2592.6	2582.4
40°	2507.6	2500.8	2490.6	2494.0	2494.0
42.5°	2409.1	2405.7	2395.5	2395.5	2392.1
45°	2307.1	2303.7	2297.0	2293.6	2283.4
47.5°	2195.0	2191.6	2191.6	2188.2	2181.4
50°	2082.9	2082.9	2079.5	2069.3	2065.9
52.5°	1960.6	1967.4	1957.2	1950.4	1947.0
55°	1838.2	1845.0	1838.2	1831.4	1821.3
57.5°	1702.3	1715.9	1705.7	1702.3	1698.9
60°	1576.6	1583.4	1576.6	1566.4	1559.6
62.5°	1447.5	1447.5	1437.3	1430.5	1410.1
65°	1294.6	1304.8	1298.0	1281.0	1257.2
67.5°	1158.7	1151.9	1145.1	1124.7	1097.5
70°	1002.4	1005.8	995.6	965.0	937.8
72.5°	852.9	859.7	839.3	798.5	791.7
75°	703.4	703.4	672.8	655.8	642.2
77.5°	550.5	553.9	513.1	509.7	506.3
80°	404.3	411.1	370.4	380.6	377.2
82.5°	275.2	268.4	251.4	251.4	248.0
85°	149.5	149.5	146.1	146.1	142.7
87.5°	57.8	61.2	68.0	74.8	71.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)