

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: P218017

Luminaire Tested: **8TSNLED-LD5-88SL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218017
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8892.0 lumens
Efficiency: N/A
Efficacy: 145.4 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

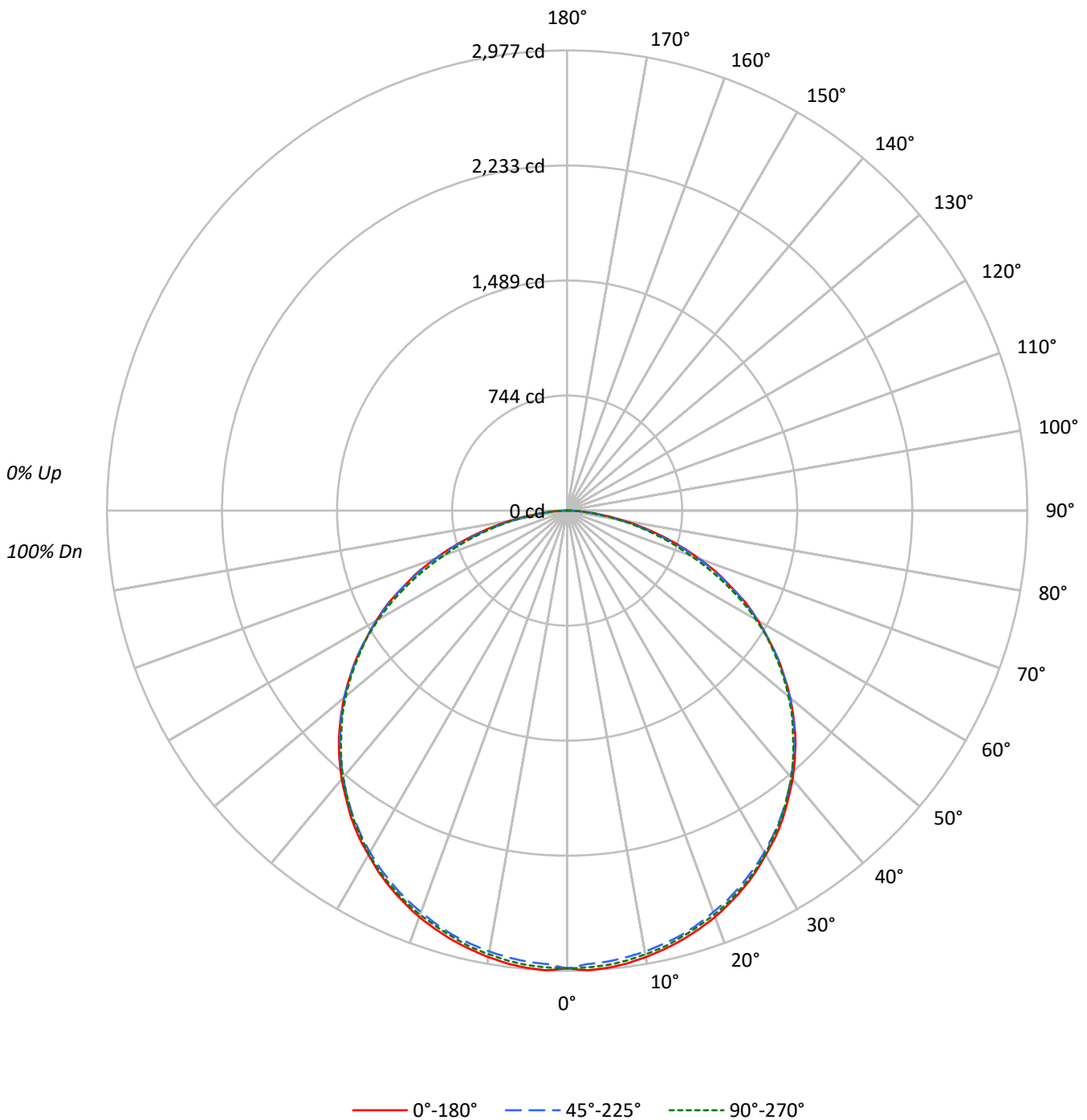
Input Watts (W): 61.16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	23859	23859	23859
5°	23981	22294	21955
10°	23913	21023	20275
15°	23850	19881	18794
20°	23812	18771	17494
25°	23744	17753	16276
30°	23633	16760	15127
35°	23580	15771	14001
40°	23458	14764	12908
45°	23305	13756	11773
50°	23055	12680	10692
55°	22693	11507	9535
60°	22190	10218	8325
65°	21378	8789	6898
70°	20211	7114	5336
75°	18385	5131	3823
80°	15180	3053	2374
85°	10098	1321	961



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.7	3.2
10°-20°	807.9	9.1
20°-30°	1237.9	13.9
30°-40°	1515.1	17.0
40°-50°	1603.4	18.0
50°-60°	1482.9	16.7
60°-70°	1151.5	12.9
70°-80°	648.6	7.3
80°-90°	164.0	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°	2326.5	26.2
0°-40°	3841.6	43.2
0°-60°	6927.9	77.9
0°-90°	8892.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8892.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2961	2961	2961	2961	2961	
5°	2971	2958	2931	2958	2952	282
15°	2875	2866	2845	2869	2857	812
25°	2697	2688	2669	2691	2685	1243
35°	2432	2423	2414	2420	2420	1521
45°	2088	2085	2079	2076	2066	1609
55°	1664	1670	1664	1658	1648	1484
65°	1172	1181	1175	1159	1138	1162
75°	637	637	609	594	581	671
85°	135	135	132	132	129	169
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2961.4	2961.4	2961.4	2961.4	2961.4
2.5°	2976.8	2964.5	2936.8	2964.5	2958.3
5°	2970.6	2958.3	2930.7	2958.3	2952.2
7.5°	2955.3	2946.0	2915.3	2943.0	2936.8
10°	2933.7	2924.5	2896.8	2924.5	2915.3
12.5°	2906.1	2896.8	2872.2	2896.8	2890.7
15°	2875.3	2866.1	2844.6	2869.2	2856.9
17.5°	2838.4	2832.3	2807.6	2832.3	2819.9
20°	2798.4	2786.1	2764.6	2789.2	2783.0
22.5°	2749.2	2743.1	2721.5	2743.1	2736.9
25°	2696.9	2687.7	2669.3	2690.8	2684.6
27.5°	2638.5	2632.4	2613.9	2629.3	2629.3
30°	2570.9	2567.8	2552.4	2567.8	2564.7
32.5°	2506.3	2500.1	2484.8	2497.1	2490.9
35°	2432.5	2423.3	2414.0	2420.2	2420.2
37.5°	2349.4	2346.4	2337.1	2346.4	2337.1
40°	2269.5	2263.3	2254.1	2257.2	2257.2
42.5°	2180.3	2177.2	2168.0	2168.0	2164.9
45°	2088.1	2085.0	2078.8	2075.8	2066.5
47.5°	1986.6	1983.5	1983.5	1980.4	1974.3
50°	1885.1	1885.1	1882.0	1872.8	1869.7
52.5°	1774.4	1780.5	1771.3	1765.2	1762.1
55°	1663.7	1669.8	1663.7	1657.5	1648.3
57.5°	1540.7	1553.0	1543.7	1540.7	1537.6
60°	1426.9	1433.0	1426.9	1417.7	1411.5
62.5°	1310.0	1310.0	1300.8	1294.7	1276.2
65°	1171.6	1180.9	1174.7	1159.3	1137.8
67.5°	1048.6	1042.5	1036.3	1017.9	993.3
70°	907.2	910.3	901.0	873.4	848.8
72.5°	771.9	778.0	759.6	722.7	716.5
75°	636.6	636.6	608.9	593.5	581.2
77.5°	498.2	501.3	464.4	461.3	458.2
80°	365.9	372.1	335.2	344.4	341.3
82.5°	249.1	242.9	227.6	227.6	224.5
85°	135.3	135.3	132.2	132.2	129.2
87.5°	52.3	55.4	61.5	67.7	64.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)