

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: P218527

Luminaire Tested: **8TSNLED-LD5-64SL-RW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218527
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-LD5-64SL-RW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7718.0 lumens
Efficiency: N/A
Efficacy: 155.2 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

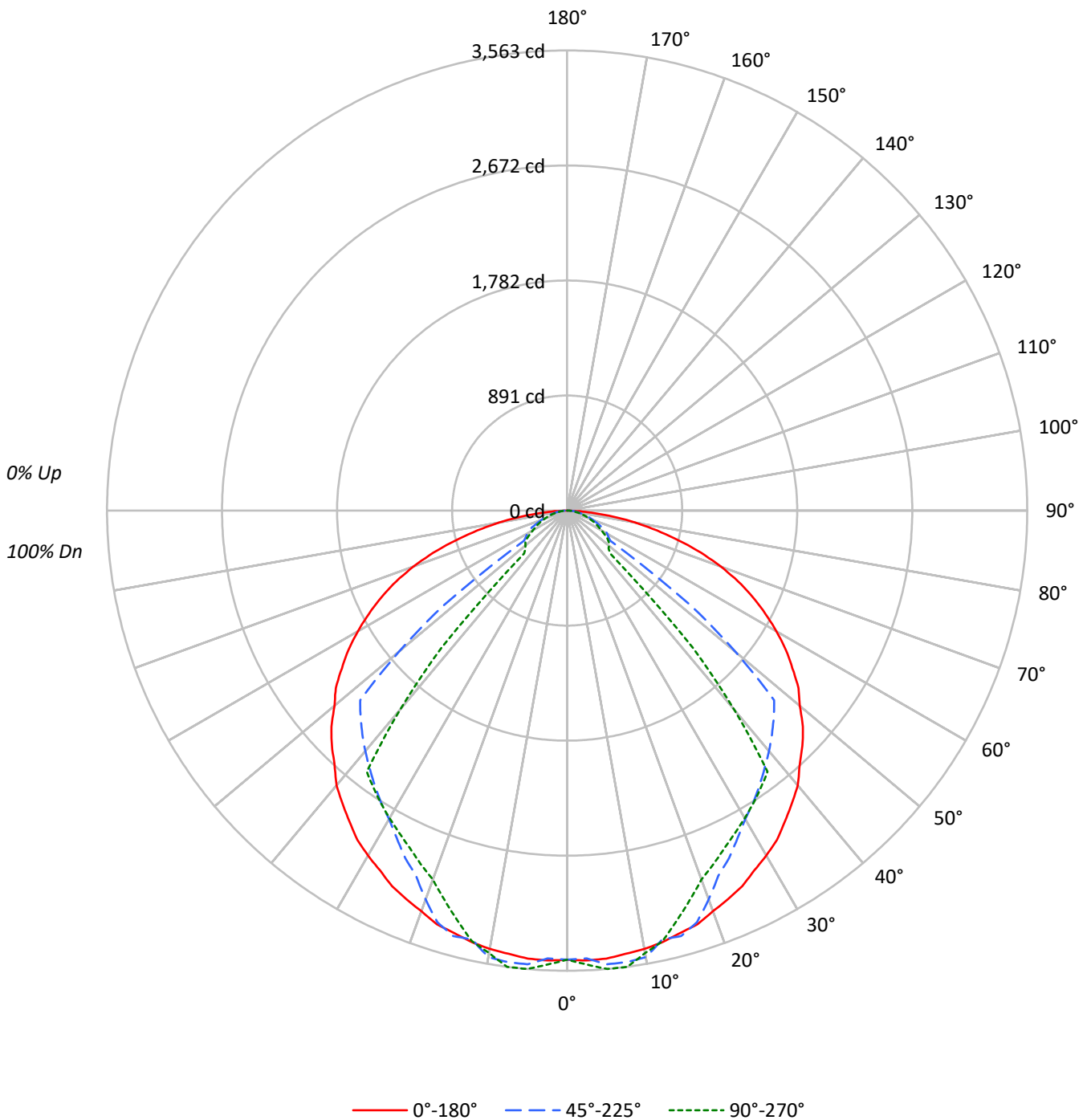
Input Watts (W): 49.72
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				
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°	28023	28023	28023
5°	28111	26827	26496
10°	28089	25476	24190
15°	28082	23832	21610
20°	28090	21758	19106
25°	28248	19733	17475
30°	28347	18108	16217
35°	28487	16964	15137
40°	28711	15926	11534
45°	28755	14971	2683
50°	28753	11474	2417
55°	29048	2812	2212
60°	29111	2566	1805
65°	28942	2168	1489
70°	28163	1685	1164
75°	25809	1256	847
80°	22046	843	532
85°	14121	483	239



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.7	4.4
10°-20°	951.8	12.3
20°-30°	1401.9	18.2
30°-40°	1687.4	21.9
40°-50°	1445.2	18.7
50°-60°	935.1	12.1
60°-70°	621.6	8.1
70°-80°	265.2	3.4
80°-90°	74.1	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°	2689.5	34.8
0°-40°	4376.8	56.7
0°-60°	6757.1	87.5
0°-90°	7718.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7718.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3478	3478	3478	3478	3478	
5°	3482	3494	3526	3567	3563	331
15°	3386	3478	3410	3337	3285	957
25°	3208	3229	2967	2902	2882	1478
35°	2939	2826	2597	2617	2617	1842
45°	2576	2291	2262	1381	471	1986
55°	2130	1808	407	386	382	1904
65°	1586	1139	290	250	246	1564
75°	894	209	149	133	129	947
85°	189	56	48	36	32	242
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3478.2	3478.2	3478.2	3478.2	3478.2
2.5°	3486.2	3474.2	3470.1	3514.4	3518.4
5°	3482.2	3494.3	3526.5	3566.8	3562.7
7.5°	3462.1	3502.3	3526.5	3586.9	3562.7
10°	3446.0	3518.4	3510.4	3514.4	3478.2
12.5°	3421.8	3490.3	3401.7	3462.1	3413.8
15°	3385.6	3478.2	3409.8	3337.3	3285.0
17.5°	3357.4	3454.0	3341.3	3168.2	3160.2
20°	3301.1	3353.4	3204.4	3079.6	3039.4
22.5°	3256.8	3317.2	3059.5	2975.0	2962.9
25°	3208.5	3228.6	2966.9	2902.5	2882.4
27.5°	3140.0	3180.3	2858.2	2826.0	2814.0
30°	3083.7	3083.7	2757.6	2757.6	2749.5
32.5°	3023.3	2954.8	2681.1	2685.1	2685.1
35°	2938.7	2826.0	2596.6	2616.7	2616.7
37.5°	2858.2	2669.0	2512.0	2544.2	2548.3
40°	2777.7	2548.3	2431.5	2467.7	2016.9
42.5°	2665.0	2415.4	2347.0	1900.1	1437.2
45°	2576.4	2290.6	2262.4	1380.8	471.0
47.5°	2475.8	2169.8	2173.9	438.8	434.8
50°	2351.0	2045.0	1702.9	414.6	422.7
52.5°	2258.4	1932.3	1199.7	402.6	406.6
55°	2129.6	1807.5	406.6	386.5	382.4
57.5°	2008.8	1690.8	378.4	358.3	342.2
60°	1871.9	1566.0	358.3	318.0	306.0
62.5°	1731.0	1441.2	330.1	281.8	273.7
65°	1586.1	1139.3	289.8	249.6	245.6
67.5°	1433.1	748.8	245.6	221.4	217.4
70°	1264.1	293.9	213.4	193.2	185.2
72.5°	1086.9	253.6	181.2	165.1	157.0
75°	893.7	209.3	149.0	132.8	128.8
77.5°	712.5	157.0	120.8	104.7	100.6
80°	531.4	116.7	92.6	80.5	76.5
82.5°	362.3	84.5	68.4	56.4	52.3
85°	189.2	56.4	48.3	36.2	32.2
87.5°	72.5	36.2	28.2	16.1	16.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)