

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: P218524

Luminaire Tested: **8TSNLED-LD5-64SL-RW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218524
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6585.0 lumens
Efficiency: N/A
Efficacy: 132.4 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

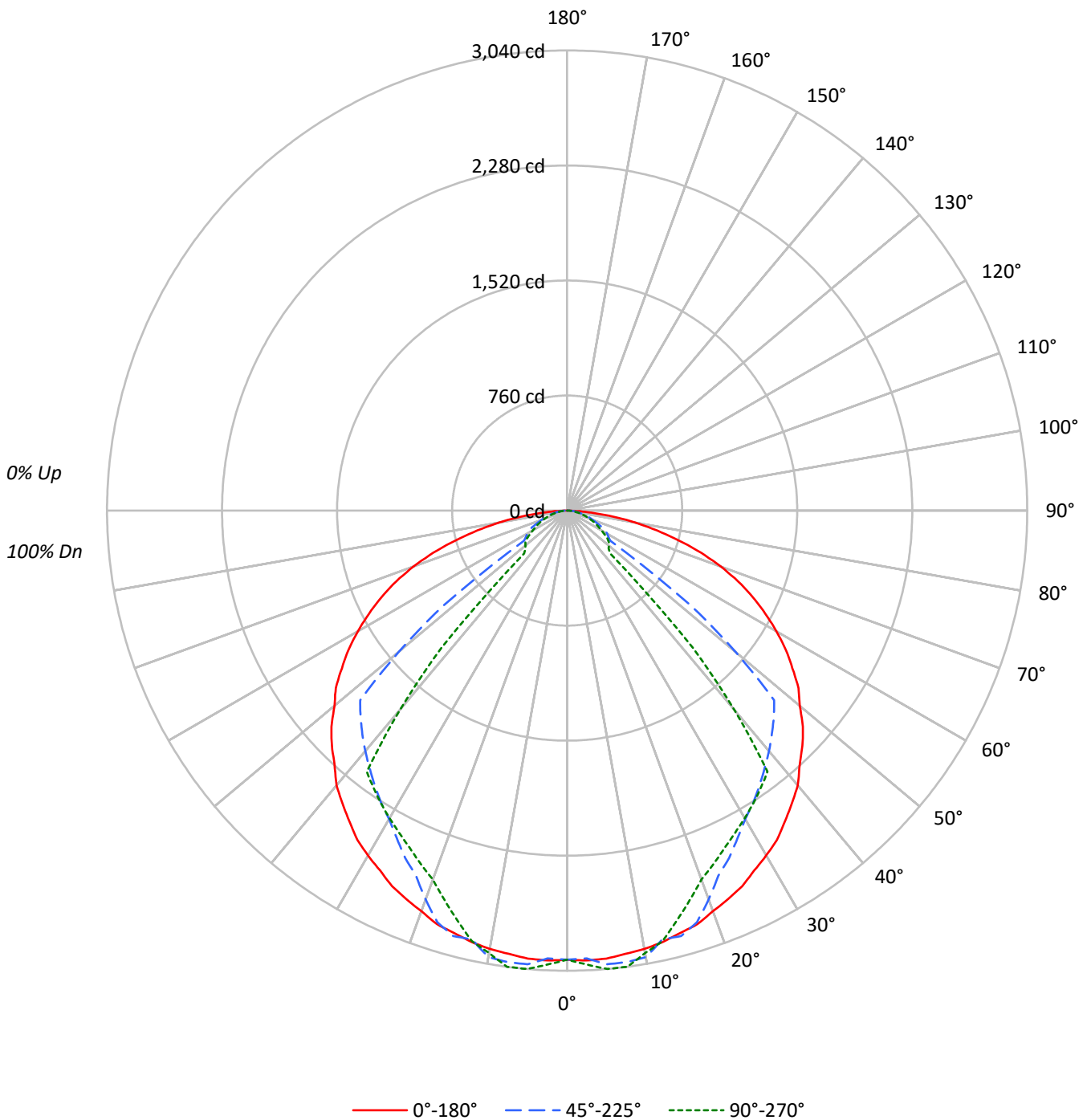
Input Watts (W): 49.72
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	23909	23909	23909
5°	23984	22888	22606
10°	23965	21737	20639
15°	23960	20333	18437
20°	23966	18564	16301
25°	24101	16836	14910
30°	24185	15450	13836
35°	24305	14474	12915
40°	24497	13589	9841
45°	24534	12773	2290
50°	24532	9789	2062
55°	24784	2399	1888
60°	24837	2189	1539
65°	24694	1850	1270
70°	24028	1437	993
75°	22020	1071	723
80°	18810	720	454
85°	12046	412	205



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.5	4.4
10°-20°	812.1	12.3
20°-30°	1196.1	18.2
30°-40°	1439.7	21.9
40°-50°	1233.0	18.7
50°-60°	797.8	12.1
60°-70°	530.4	8.1
70°-80°	226.2	3.4
80°-90°	63.2	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°	2294.7	34.8
0°-40°	3734.3	56.7
0°-60°	5765.2	87.6
0°-90°	6585.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6585.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2968	2968	2968	2968	2968	
5°	2971	2981	3009	3043	3040	282
15°	2889	2968	2909	2847	2803	817
25°	2738	2755	2531	2476	2459	1261
35°	2507	2411	2215	2233	2233	1571
45°	2198	1954	1930	1178	402	1695
55°	1817	1542	347	330	326	1625
65°	1353	972	247	213	210	1335
75°	762	179	127	113	110	808
85°	161	48	41	31	28	206
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2967.6	2967.6	2967.6	2967.6	2967.6
2.5°	2974.5	2964.2	2960.7	2998.5	3001.9
5°	2971.0	2981.3	3008.8	3043.2	3039.7
7.5°	2953.9	2988.2	3008.8	3060.3	3039.7
10°	2940.1	3001.9	2995.1	2998.5	2967.6
12.5°	2919.5	2977.9	2902.3	2953.9	2912.6
15°	2888.6	2967.6	2909.2	2847.4	2802.7
17.5°	2864.5	2947.0	2850.8	2703.1	2696.2
20°	2816.5	2861.1	2734.0	2627.6	2593.2
22.5°	2778.7	2830.2	2610.4	2538.3	2527.9
25°	2737.5	2754.6	2531.4	2476.4	2459.3
27.5°	2679.1	2713.4	2438.6	2411.2	2400.9
30°	2631.0	2631.0	2352.8	2352.8	2345.9
32.5°	2579.5	2521.1	2287.5	2291.0	2291.0
35°	2507.3	2411.2	2215.4	2232.6	2232.6
37.5°	2438.6	2277.2	2143.3	2170.7	2174.2
40°	2370.0	2174.2	2074.6	2105.5	1720.8
42.5°	2273.8	2060.8	2002.4	1621.2	1226.2
45°	2198.2	1954.4	1930.3	1178.1	401.9
47.5°	2112.3	1851.3	1854.7	374.4	370.9
50°	2005.9	1744.8	1452.9	353.8	360.6
52.5°	1926.9	1648.7	1023.5	343.5	346.9
55°	1817.0	1542.2	346.9	329.7	326.3
57.5°	1713.9	1442.6	322.9	305.7	292.0
60°	1597.1	1336.1	305.7	271.3	261.0
62.5°	1476.9	1229.6	281.6	240.4	233.6
65°	1353.3	972.0	247.3	213.0	209.5
67.5°	1222.8	638.9	209.5	188.9	185.5
70°	1078.5	250.7	182.0	164.9	158.0
72.5°	927.4	216.4	154.6	140.8	134.0
75°	762.5	178.6	127.1	113.3	109.9
77.5°	607.9	134.0	103.0	89.3	85.9
80°	453.4	99.6	79.0	68.7	65.3
82.5°	309.1	72.1	58.4	48.1	44.7
85°	161.4	48.1	41.2	30.9	27.5
87.5°	61.8	30.9	24.0	13.7	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)