

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: P218526

Luminaire Tested: **8TSNLED-LD5-64SL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218526
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7135.0 lumens
Efficiency: N/A
Efficacy: 143.5 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

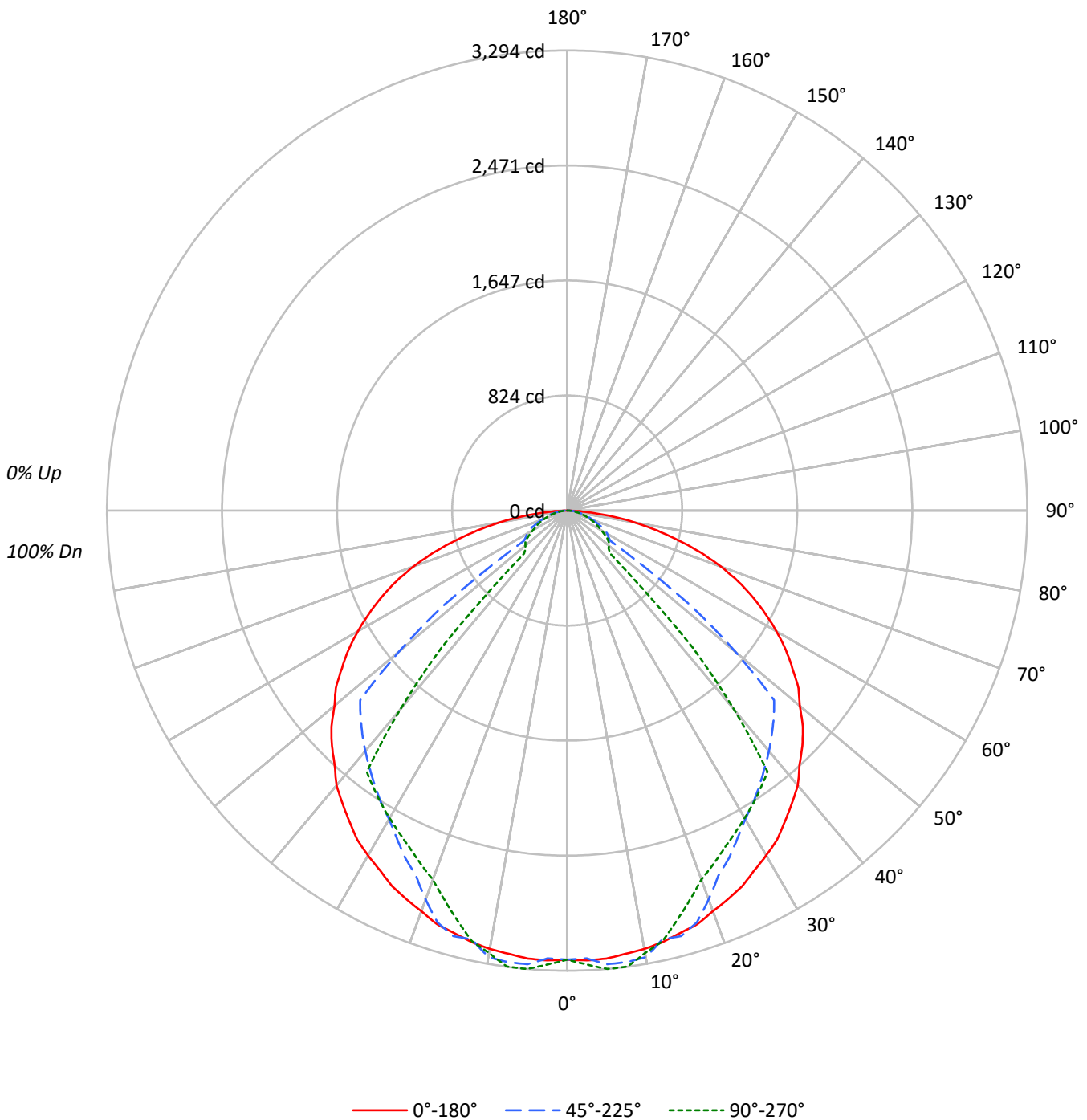
Input Watts (W): 49.72
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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				87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75				75
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65				65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57				57
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52	50				50
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45				45
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40				40
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36				36
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33				33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30				30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25907	25907	25907
5°	25988	24800	24494
10°	25967	23552	22363
15°	25961	22031	19977
20°	25968	20114	17662
25°	26114	18242	16155
30°	26205	16740	14992
35°	26336	15682	13994
40°	26543	14723	10663
45°	26583	13840	2480
50°	26581	10607	2235
55°	26853	2600	2046
60°	26912	2372	1668
65°	26756	2005	1376
70°	26035	1557	1076
75°	23860	1160	783
80°	20378	780	492
85°	13053	447	222



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.4	4.4
10°-20°	879.9	12.3
20°-30°	1296.0	18.2
30°-40°	1559.9	21.9
40°-50°	1336.0	18.7
50°-60°	864.5	12.1
60°-70°	574.6	8.1
70°-80°	245.1	3.4
80°-90°	68.5	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°	2486.3	34.8
0°-40°	4046.2	56.7
0°-60°	6246.7	87.5
0°-90°	7135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7135.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3216	3216	3216	3216	3216	
5°	3219	3230	3260	3297	3294	306
15°	3130	3216	3152	3085	3037	885
25°	2966	2985	2743	2683	2665	1366
35°	2717	2613	2400	2419	2419	1703
45°	2382	2118	2092	1276	435	1836
55°	1969	1671	376	357	354	1760
65°	1466	1053	268	231	227	1446
75°	826	194	138	123	119	875
85°	175	52	45	34	30	224
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3215.5	3215.5	3215.5	3215.5	3215.5
2.5°	3222.9	3211.7	3208.0	3248.9	3252.7
5°	3219.2	3230.3	3260.1	3297.3	3293.6
7.5°	3200.6	3237.8	3260.1	3315.9	3293.6
10°	3185.7	3252.7	3245.2	3248.9	3215.5
12.5°	3163.4	3226.6	3144.7	3200.6	3155.9
15°	3129.9	3215.5	3152.2	3085.2	3036.8
17.5°	3103.8	3193.1	3088.9	2928.9	2921.4
20°	3051.7	3100.1	2962.4	2847.0	2809.8
22.5°	3010.8	3066.6	2828.4	2750.3	2739.1
25°	2966.1	2984.7	2742.8	2683.3	2664.7
27.5°	2902.8	2940.1	2642.3	2612.6	2601.4
30°	2850.7	2850.7	2549.3	2549.3	2541.8
32.5°	2794.9	2731.6	2478.6	2482.3	2482.3
35°	2716.8	2612.6	2400.4	2419.0	2419.0
37.5°	2642.3	2467.4	2322.3	2352.0	2355.8
40°	2567.9	2355.8	2247.8	2281.3	1864.5
42.5°	2463.7	2233.0	2169.7	1756.6	1328.6
45°	2381.8	2117.6	2091.5	1276.5	435.4
47.5°	2288.8	2005.9	2009.7	405.7	401.9
50°	2173.4	1890.6	1574.2	383.3	390.8
52.5°	2087.8	1786.4	1109.0	372.2	375.9
55°	1968.7	1671.0	375.9	357.3	353.6
57.5°	1857.1	1563.1	349.8	331.2	316.3
60°	1730.5	1447.7	331.2	294.0	282.8
62.5°	1600.3	1332.3	305.2	260.5	253.1
65°	1466.3	1053.2	268.0	230.7	227.0
67.5°	1324.9	692.2	227.0	204.7	201.0
70°	1168.6	271.7	197.2	178.6	171.2
72.5°	1004.8	234.5	167.5	152.6	145.1
75°	826.2	193.5	137.7	122.8	119.1
77.5°	658.7	145.1	111.6	96.8	93.0
80°	491.2	107.9	85.6	74.4	70.7
82.5°	334.9	78.2	63.3	52.1	48.4
85°	174.9	52.1	44.7	33.5	29.8
87.5°	67.0	33.5	26.1	14.9	14.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)