

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: P218542

Luminaire Tested: **8TSNLED-LD5-93SL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218542
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-LD5-93SL-RW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10279.0 lumens
Efficiency: N/A
Efficacy: 132.8 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

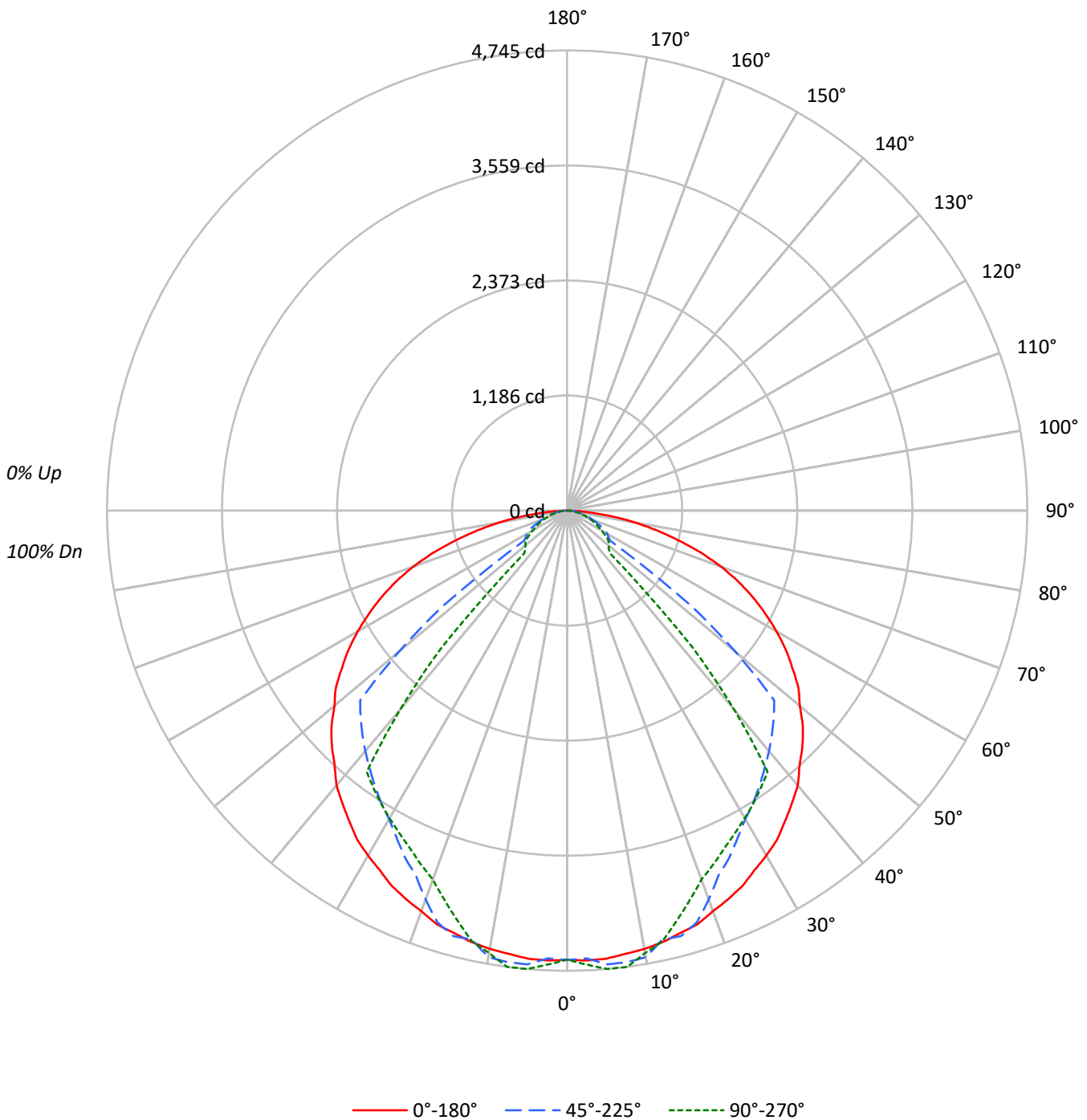
Input Watts (W): 77.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	37322	37322	37322
5°	37439	35729	35288
10°	37409	33930	32217
15°	37401	31739	28780
20°	37410	28977	25445
25°	37620	26280	23273
30°	37752	24116	21598
35°	37941	22593	20160
40°	38238	21211	15361
45°	38298	19939	3574
50°	38293	15281	3220
55°	38686	3745	2946
60°	38771	3417	2403
65°	38545	2888	1983
70°	37506	2244	1550
75°	34375	1672	1129
80°	29360	1123	709
85°	18808	643	319



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	447.2	4.4
10°-20°	1267.7	12.3
20°-30°	1867.1	18.2
30°-40°	2247.3	21.9
40°-50°	1924.7	18.7
50°-60°	1245.4	12.1
60°-70°	827.9	8.1
70°-80°	353.1	3.4
80°-90°	98.7	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°	3581.9	34.8
0°-40°	5829.2	56.7
0°-60°	8999.3	87.5
0°-90°	10279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10279.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4632	4632	4632	4632	4632	
5°	4638	4654	4697	4750	4745	441
15°	4509	4632	4541	4445	4375	1275
25°	4273	4300	3951	3866	3839	1968
35°	3914	3764	3458	3485	3485	2453
45°	3431	3051	3013	1839	627	2645
55°	2836	2407	542	515	509	2536
65°	2112	1517	386	332	327	2083
75°	1190	279	198	177	172	1261
85°	252	75	64	48	43	322
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4632.3	4632.3	4632.3	4632.3	4632.3
2.5°	4643.0	4627.0	4621.6	4680.6	4685.9
5°	4637.7	4653.8	4696.7	4750.3	4744.9
7.5°	4610.9	4664.5	4696.7	4777.1	4744.9
10°	4589.4	4685.9	4675.2	4680.6	4632.3
12.5°	4557.3	4648.4	4530.5	4610.9	4546.5
15°	4509.0	4632.3	4541.2	4444.7	4375.0
17.5°	4471.5	4600.2	4450.0	4219.5	4208.8
20°	4396.4	4466.1	4267.7	4101.5	4047.9
22.5°	4337.4	4417.9	4074.7	3962.1	3946.1
25°	4273.1	4299.9	3951.4	3865.6	3838.8
27.5°	4182.0	4235.6	3806.7	3763.8	3747.7
30°	4106.9	4106.9	3672.6	3672.6	3661.9
32.5°	4026.5	3935.3	3570.8	3576.1	3576.1
35°	3913.9	3763.8	3458.2	3485.0	3485.0
37.5°	3806.7	3554.7	3345.6	3388.5	3393.8
40°	3699.4	3393.8	3238.3	3286.6	2686.1
42.5°	3549.3	3216.9	3125.7	2530.6	1914.1
45°	3431.4	3050.7	3013.2	1839.0	627.3
47.5°	3297.3	2889.8	2895.2	584.4	579.0
50°	3131.1	2723.6	2267.9	552.2	563.0
52.5°	3007.8	2573.5	1597.7	536.1	541.5
55°	2836.2	2407.3	541.5	514.7	509.3
57.5°	2675.4	2251.8	504.0	477.2	455.7
60°	2493.1	2085.6	477.2	423.6	407.5
62.5°	2305.4	1919.4	439.6	375.3	364.6
65°	2112.4	1517.3	386.0	332.4	327.1
67.5°	1908.7	997.2	327.1	294.9	289.5
70°	1683.5	391.4	284.2	257.4	246.6
72.5°	1447.6	337.8	241.3	219.8	209.1
75°	1190.3	278.8	198.4	176.9	171.6
77.5°	949.0	209.1	160.8	139.4	134.0
80°	707.7	155.5	123.3	107.2	101.9
82.5°	482.5	112.6	91.1	75.1	69.7
85°	252.0	75.1	64.3	48.3	42.9
87.5°	96.5	48.3	37.5	21.4	21.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)