

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: P218543

Luminaire Tested: **8TSNLED-LD5-93SL-RW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218543
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11119.1 lumens
Efficiency: N/A
Efficacy: 143.7 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

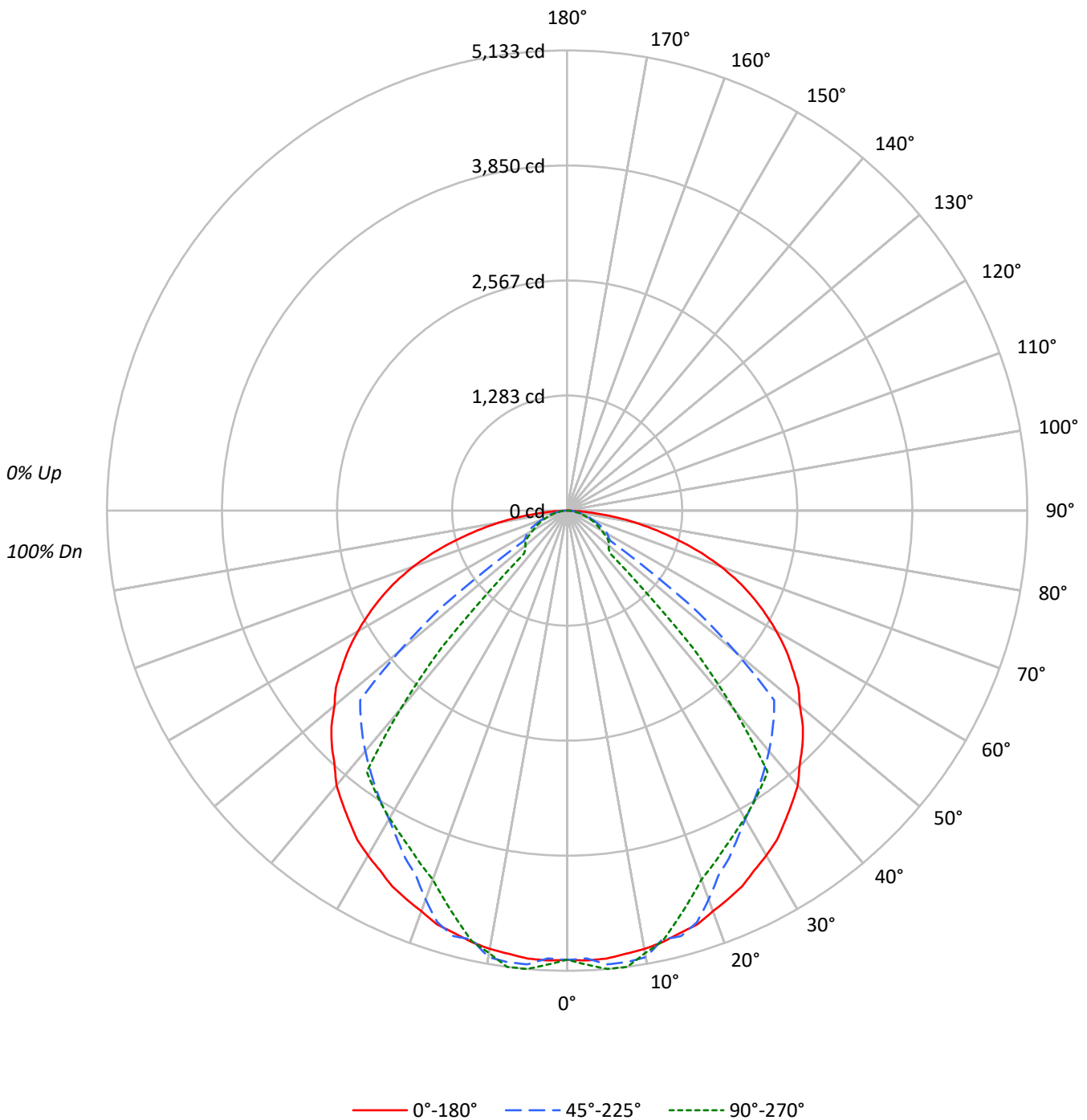
Input Watts (W): 77.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	40372	40372	40372
5°	40499	38648	38172
10°	40466	36703	34850
15°	40457	34333	31132
20°	40467	31346	27524
25°	40695	28428	25175
30°	40837	26087	23363
35°	41041	24440	21808
40°	41363	22945	16617
45°	41428	21568	3866
50°	41423	16529	3483
55°	41848	4052	3187
60°	41939	3696	2600
65°	41697	3124	2145
70°	40572	2427	1677
75°	37182	1808	1221
80°	31762	1215	766
85°	20345	695	345



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	483.7	4.4
10°-20°	1371.3	12.3
20°-30°	2019.6	18.2
30°-40°	2430.9	21.9
40°-50°	2082.0	18.7
50°-60°	1347.2	12.1
60°-70°	895.5	8.1
70°-80°	382.0	3.4
80°-90°	106.8	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°	3874.6	34.8
0°-40°	6305.5	56.7
0°-60°	9734.7	87.5
0°-90°	11119.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11119.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5011	5011	5011	5011	5011	
5°	5017	5034	5080	5138	5133	477
15°	4878	5011	4912	4808	4732	1379
25°	4622	4651	4274	4182	4152	2129
35°	4234	4071	3741	3770	3770	2653
45°	3712	3300	3259	1989	679	2862
55°	3068	2604	586	557	551	2743
65°	2285	1641	418	360	354	2253
75°	1288	302	215	191	186	1364
85°	273	81	70	52	46	349
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5010.9	5010.9	5010.9	5010.9	5010.9
2.5°	5022.5	5005.1	4999.3	5063.1	5068.9
5°	5016.7	5034.1	5080.5	5138.5	5132.7
7.5°	4987.7	5045.7	5080.5	5167.5	5132.7
10°	4964.5	5068.9	5057.3	5063.1	5010.9
12.5°	4929.7	5028.3	4900.7	4987.7	4918.1
15°	4877.5	5010.9	4912.3	4807.9	4732.5
17.5°	4836.9	4976.1	4813.7	4564.3	4552.7
20°	4755.7	4831.1	4616.5	4436.7	4378.7
22.5°	4691.9	4778.9	4407.7	4285.9	4268.5
25°	4622.3	4651.3	4274.3	4181.5	4152.5
27.5°	4523.7	4581.7	4117.7	4071.3	4053.9
30°	4442.5	4442.5	3972.7	3972.7	3961.1
32.5°	4355.5	4256.9	3862.6	3868.4	3868.4
35°	4233.7	4071.3	3740.8	3769.8	3769.8
37.5°	4117.7	3845.2	3619.0	3665.4	3671.2
40°	4001.7	3671.2	3503.0	3555.2	2905.6
42.5°	3839.4	3479.8	3381.2	2737.4	2070.5
45°	3711.8	3300.0	3259.4	1989.3	678.6
47.5°	3566.8	3126.0	3131.8	632.2	626.4
50°	3387.0	2946.2	2453.2	597.4	609.0
52.5°	3253.6	2783.8	1728.3	580.0	585.8
55°	3068.0	2604.0	585.8	556.8	551.0
57.5°	2894.0	2435.8	545.2	516.2	493.0
60°	2696.8	2256.1	516.2	458.2	440.8
62.5°	2493.8	2076.3	475.6	406.0	394.4
65°	2285.1	1641.3	417.6	359.6	353.8
67.5°	2064.7	1078.7	353.8	319.0	313.2
70°	1821.1	423.4	307.4	278.4	266.8
72.5°	1565.9	365.4	261.0	237.8	226.2
75°	1287.5	301.6	214.6	191.4	185.6
77.5°	1026.5	226.2	174.0	150.8	145.0
80°	765.6	168.2	133.4	116.0	110.2
82.5°	522.0	121.8	98.6	81.2	75.4
85°	272.6	81.2	69.6	52.2	46.4
87.5°	104.4	52.2	40.6	23.2	23.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)