

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: P218541

Luminaire Tested: **8TSNLED-LD5-93SL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218541  
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-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10078.0 lumens  
Efficiency: N/A  
Efficacy: 130.2 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

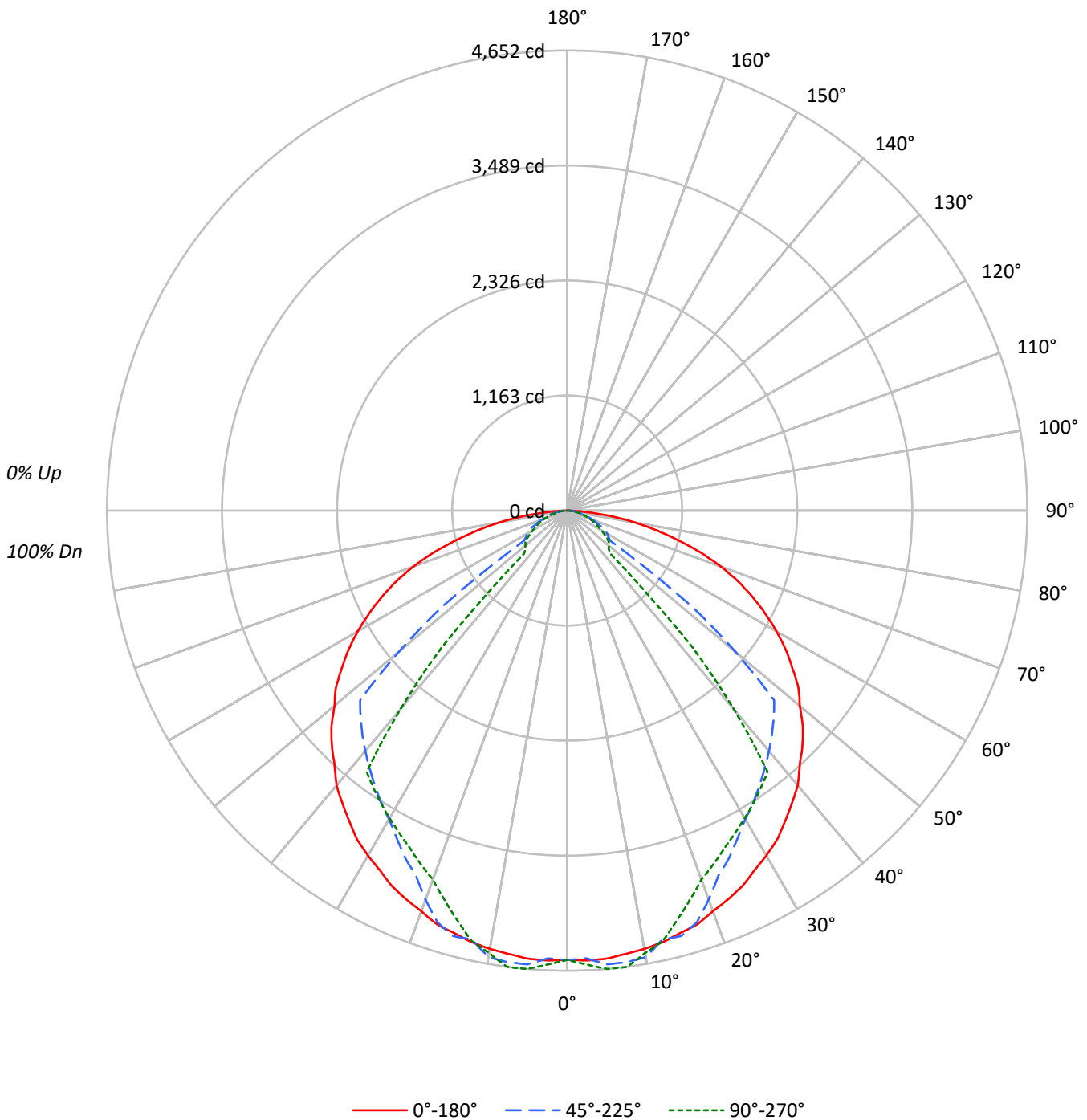
Input Watts (W): 77.38  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	36592	36592	36592
5°	36707	35029	34597
10°	36678	33266	31587
15°	36669	31119	28217
20°	36679	28411	24948
25°	36884	25766	22819
30°	37014	23645	21176
35°	37199	22151	19766
40°	37491	20796	15061
45°	37549	19549	3504
50°	37545	14982	3156
55°	37930	3672	2889
60°	38012	3350	2356
65°	37792	2832	1944
70°	36773	2200	1520
75°	33702	1639	1106
80°	28787	1101	695
85°	18442	631	313



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	438.4	4.4
10°-20°	1242.9	12.3
20°-30°	1830.5	18.2
30°-40°	2203.3	21.9
40°-50°	1887.1	18.7
50°-60°	1221.1	12.1
60°-70°	811.7	8.1
70°-80°	346.2	3.4
80°-90°	96.8	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°	3511.8	34.8
0°-40°	5715.2	56.7
0°-60°	8823.3	87.5
0°-90°	10078.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10078.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4542	4542	4542	4542	4542	
5°	4547	4563	4605	4657	4652	432
15°	4421	4542	4452	4358	4289	1250
25°	4190	4216	3874	3790	3764	1930
35°	3837	3690	3390	3417	3417	2405
45°	3364	2991	2954	1803	615	2594
55°	2781	2360	531	505	499	2486
65°	2071	1488	378	326	321	2042
75°	1167	273	194	174	168	1236
85°	247	74	63	47	42	316
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4541.7	4541.7	4541.7	4541.7	4541.7
2.5°	4552.3	4536.5	4531.2	4589.1	4594.3
5°	4547.0	4562.8	4604.8	4657.4	4652.1
7.5°	4520.7	4573.3	4604.8	4683.7	4652.1
10°	4499.7	4594.3	4583.8	4589.1	4541.7
12.5°	4468.1	4557.5	4441.9	4520.7	4457.6
15°	4420.8	4541.7	4452.4	4357.8	4289.4
17.5°	4384.0	4510.2	4363.0	4137.0	4126.5
20°	4310.5	4378.8	4184.3	4021.3	3968.8
22.5°	4252.6	4331.5	3995.1	3884.7	3868.9
25°	4189.5	4215.8	3874.1	3790.0	3763.8
27.5°	4100.2	4152.8	3732.2	3690.2	3674.4
30°	4026.6	4026.6	3600.8	3600.8	3590.3
32.5°	3947.7	3858.4	3500.9	3506.2	3506.2
35°	3837.4	3690.2	3390.5	3416.8	3416.8
37.5°	3732.2	3485.2	3280.1	3322.2	3327.5
40°	3627.1	3327.5	3175.0	3222.3	2633.6
42.5°	3479.9	3154.0	3064.6	2481.1	1876.6
45°	3364.3	2991.0	2954.2	1803.0	615.0
47.5°	3232.8	2833.3	2838.6	573.0	567.7
50°	3069.9	2670.4	2223.6	541.4	551.9
52.5°	2949.0	2523.2	1566.5	525.7	530.9
55°	2780.8	2360.2	530.9	504.6	499.4
57.5°	2623.1	2207.8	494.1	467.8	446.8
60°	2444.3	2044.8	467.8	415.3	399.5
62.5°	2260.4	1881.9	431.0	368.0	357.5
65°	2071.1	1487.6	378.5	325.9	320.7
67.5°	1871.4	977.7	320.7	289.1	283.9
70°	1650.6	383.7	278.6	252.3	241.8
72.5°	1419.3	331.2	236.5	215.5	205.0
75°	1167.0	273.3	194.5	173.5	168.2
77.5°	930.4	205.0	157.7	136.7	131.4
80°	693.9	152.4	120.9	105.1	99.9
82.5°	473.1	110.4	89.4	73.6	68.3
85°	247.1	73.6	63.1	47.3	42.1
87.5°	94.6	47.3	36.8	21.0	21.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)