

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: P218499

Luminaire Tested: **8TSNLED-LD5-95SL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-95SL-RM-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9311.0 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

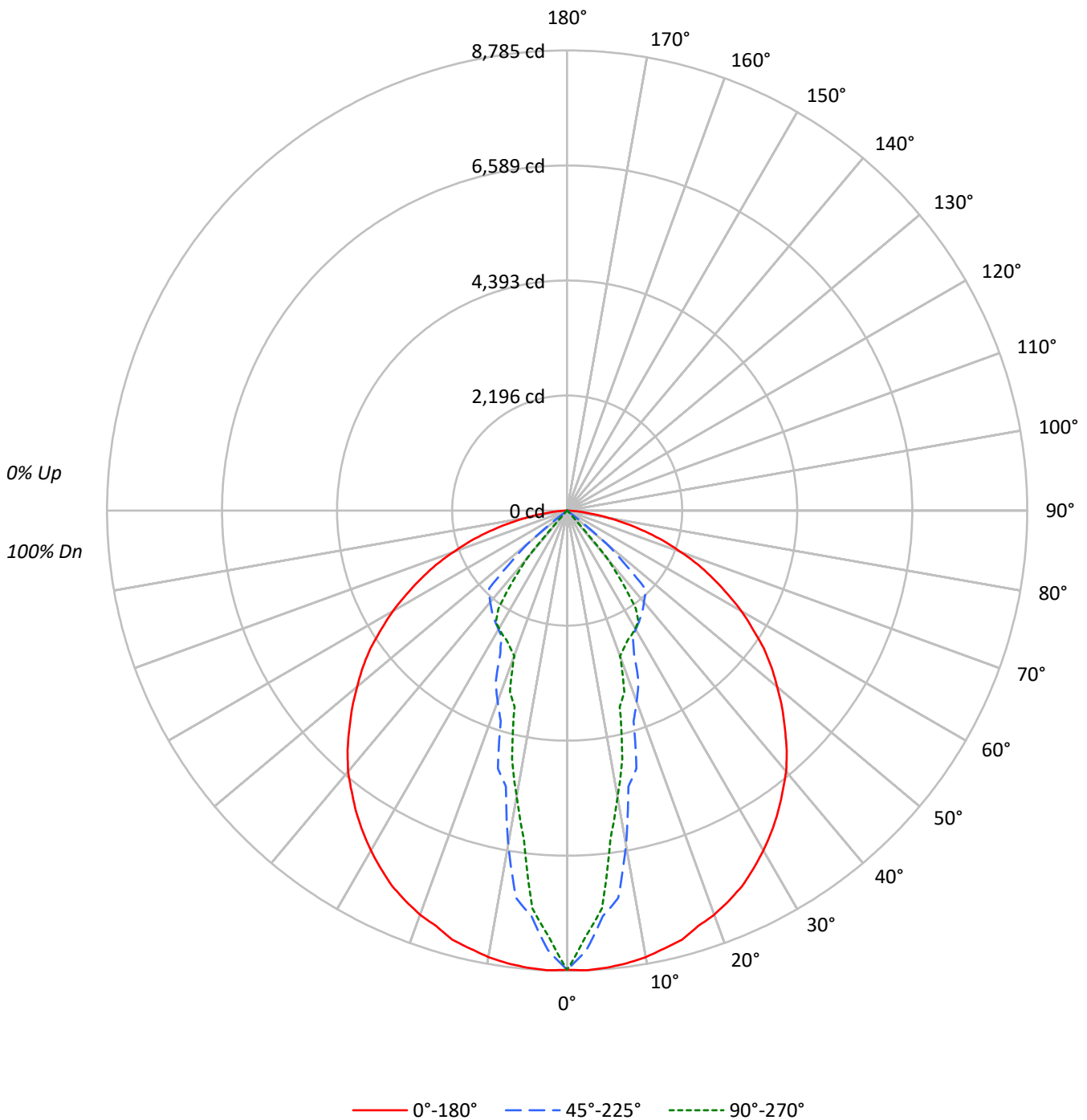
Input Watts (W): 69.18
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89					89			
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79					79			
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70					70			
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62					62			
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56					56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51					51			
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46					46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43					43			
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39					39			
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36					36			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	70633	70633	70633
5°	70700	59159	56697
10°	70542	46967	38561
15°	70328	35637	25519
20°	69850	26310	18558
25°	69615	20114	16561
30°	68881	17199	15315
35°	68057	16054	13225
40°	67219	14945	6640
45°	65599	13908	26
50°	64011	6610	0
55°	62490	218	0
60°	59769	161	0
65°	56170	67	0
70°	51335	36	0
75°	44448	38	30
80°	32861	41	31
85°	17128	45	33



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	723.5	7.8
10°-20°	1559.7	16.8
20°-30°	1860.7	20.0
30°-40°	1979.8	21.3
40°-50°	1446.5	15.5
50°-60°	923.9	9.9
60°-70°	556.3	6.0
70°-80°	216.8	2.3
80°-90°	44.0	0.5
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°	4143.8	44.5
0°-40°	6123.6	65.8
0°-60°	8494.0	91.2
0°-90°	9311.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9311.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8767	8767	8767	8767	8767	
5°	8758	8330	7777	7637	7624	833
15°	8479	7232	5099	3974	3879	2388
25°	7907	5040	3024	2754	2732	3639
35°	7021	3330	2457	2457	2286	4392
45°	5878	2156	2102	9	4	4540
55°	4581	1701	32	4	0	4078
65°	3078	693	9	4	0	3046
75°	1539	36	4	4	4	1626
85°	230	4	4	4	4	319
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8766.8	8766.8	8766.8	8766.8	8766.8
2.5°	8784.8	8726.3	8402.2	8267.2	8136.7
5°	8757.8	8330.2	7776.7	7637.2	7623.7
7.5°	8717.3	7929.7	7461.7	6660.6	6323.1
10°	8654.3	7668.7	6471.6	5796.5	5544.5
12.5°	8564.3	7281.6	5396.0	5008.9	4860.4
15°	8478.7	7232.1	5098.9	3973.8	3879.3
17.5°	8316.7	6224.0	4212.4	3735.3	3627.3
20°	8208.7	5765.0	3874.8	3240.3	2952.3
22.5°	8064.7	5495.0	3564.3	2947.8	2835.2
25°	7907.2	5040.4	3024.3	2754.2	2731.7
27.5°	7704.7	4432.9	2709.2	2682.2	2673.2
30°	7493.2	3762.3	2619.2	2610.2	2596.7
32.5°	7263.6	3496.8	2538.2	2538.2	2524.7
35°	7020.6	3330.3	2457.2	2457.2	2286.2
37.5°	6759.6	3118.8	2376.2	2376.2	1719.2
40°	6503.1	2673.2	2281.7	1584.1	1161.1
42.5°	6206.0	2308.7	2200.7	1107.1	9.0
45°	5877.5	2155.7	2101.7	9.0	4.5
47.5°	5567.0	2047.7	1431.1	4.5	0.0
50°	5234.0	1930.7	981.1	4.5	0.0
52.5°	4918.9	1822.7	45.0	4.5	0.0
55°	4581.4	1701.1	31.5	4.5	0.0
57.5°	4198.9	1584.1	27.0	4.5	0.0
60°	3843.3	1458.1	22.5	4.5	0.0
62.5°	3451.8	1237.6	13.5	4.5	0.0
65°	3078.3	693.1	9.0	4.5	0.0
67.5°	2709.2	112.5	9.0	4.5	0.0
70°	2304.2	76.5	4.5	4.5	0.0
72.5°	1930.7	58.5	4.5	4.5	4.5
75°	1539.1	36.0	4.5	4.5	4.5
77.5°	1152.1	22.5	4.5	4.5	4.5
80°	792.1	13.5	4.5	4.5	4.5
82.5°	477.0	4.5	4.5	4.5	4.5
85°	229.5	4.5	4.5	4.5	4.5
87.5°	72.0	4.5	4.5	4.5	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)