

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: P218537

Luminaire Tested: **8TSNLED-LD5-86SL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218537
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-LD5-86SL-RW-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9232.0 lumens
Efficiency: N/A
Efficacy: 133.4 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

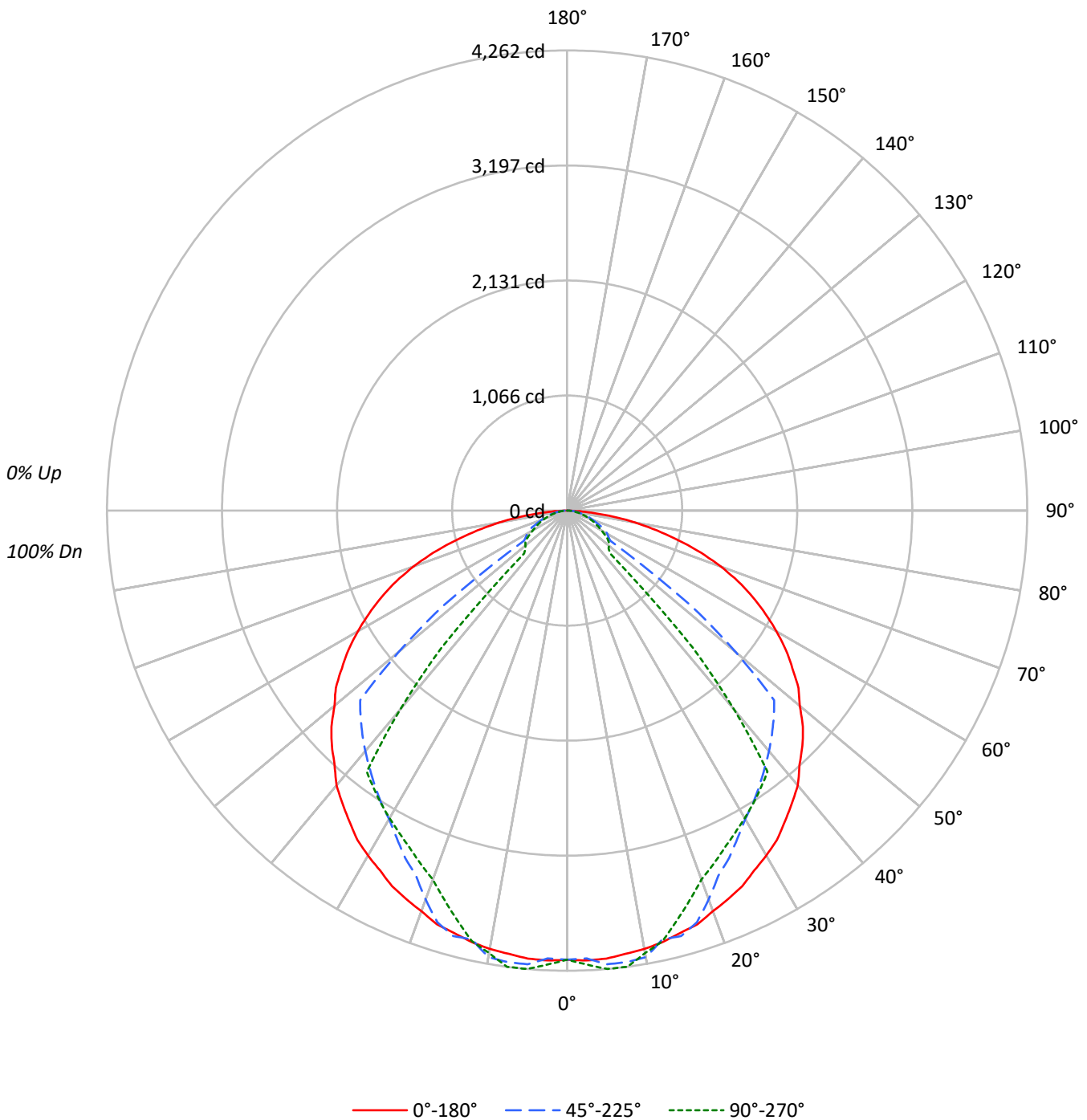
Input Watts (W): 69.18
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	33520	33520	33520
5°	33626	32089	31693
10°	33599	30474	28935
15°	33591	28506	25848
20°	33600	26026	22853
25°	33789	23603	20903
30°	33907	21660	19398
35°	34076	20292	18107
40°	34344	19051	13797
45°	34396	17908	3210
50°	34393	13724	2891
55°	34745	3364	2647
60°	34823	3069	2159
65°	34620	2594	1781
70°	33686	2015	1392
75°	30872	1502	1014
80°	26368	1009	636
85°	16890	578	286



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.6	4.4
10°-20°	1138.6	12.3
20°-30°	1676.9	18.2
30°-40°	2018.4	21.9
40°-50°	1728.7	18.7
50°-60°	1118.6	12.1
60°-70°	743.5	8.1
70°-80°	317.2	3.4
80°-90°	88.7	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°	3217.0	34.8
0°-40°	5235.4	56.7
0°-60°	8082.6	87.5
0°-90°	9232.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9232.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4160	4160	4160	4160	4160	
5°	4165	4180	4218	4266	4262	396
15°	4050	4160	4079	3992	3929	1145
25°	3838	3862	3549	3472	3448	1768
35°	3515	3380	3106	3130	3130	2203
45°	3082	2740	2706	1652	563	2376
55°	2547	2162	486	462	458	2278
65°	1897	1363	347	299	294	1871
75°	1069	250	178	159	154	1133
85°	226	67	58	43	38	289
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4160.5	4160.5	4160.5	4160.5	4160.5
2.5°	4170.1	4155.7	4150.9	4203.8	4208.6
5°	4165.3	4179.7	4218.3	4266.4	4261.6
7.5°	4141.2	4189.4	4218.3	4290.5	4261.6
10°	4122.0	4208.6	4199.0	4203.8	4160.5
12.5°	4093.1	4174.9	4069.0	4141.2	4083.4
15°	4049.7	4160.5	4078.6	3991.9	3929.3
17.5°	4016.0	4131.6	3996.8	3789.7	3780.1
20°	3948.6	4011.2	3833.0	3683.8	3635.6
22.5°	3895.6	3967.9	3659.7	3558.6	3544.1
25°	3837.9	3861.9	3548.9	3471.9	3447.8
27.5°	3756.0	3804.1	3418.9	3380.4	3365.9
30°	3688.6	3688.6	3298.5	3298.5	3288.9
32.5°	3616.3	3534.5	3207.0	3211.9	3211.9
35°	3515.2	3380.4	3105.9	3130.0	3130.0
37.5°	3418.9	3192.6	3004.8	3043.3	3048.1
40°	3322.6	3048.1	2908.5	2951.8	2412.5
42.5°	3187.8	2889.2	2807.4	2272.9	1719.1
45°	3081.8	2739.9	2706.2	1651.7	563.4
47.5°	2961.5	2595.5	2600.3	524.9	520.1
50°	2812.2	2446.2	2036.9	496.0	505.6
52.5°	2701.4	2311.4	1435.0	481.5	486.4
55°	2547.3	2162.1	486.4	462.3	457.5
57.5°	2402.9	2022.5	452.6	428.6	409.3
60°	2239.2	1873.2	428.6	380.4	366.0
62.5°	2070.6	1723.9	394.9	337.1	327.4
65°	1897.3	1362.8	346.7	298.6	293.7
67.5°	1714.3	895.7	293.7	264.8	260.0
70°	1512.0	351.5	255.2	231.1	221.5
72.5°	1300.2	303.4	216.7	197.4	187.8
75°	1069.0	250.4	178.2	158.9	154.1
77.5°	852.3	187.8	144.5	125.2	120.4
80°	635.6	139.6	110.8	96.3	91.5
82.5°	433.4	101.1	81.9	67.4	62.6
85°	226.3	67.4	57.8	43.3	38.5
87.5°	86.7	43.3	33.7	19.3	19.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)