

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: P218536

Luminaire Tested: **8TSNLED-LD5-86SL-RW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218536
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8691.0 lumens
Efficiency: N/A
Efficacy: 125.6 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

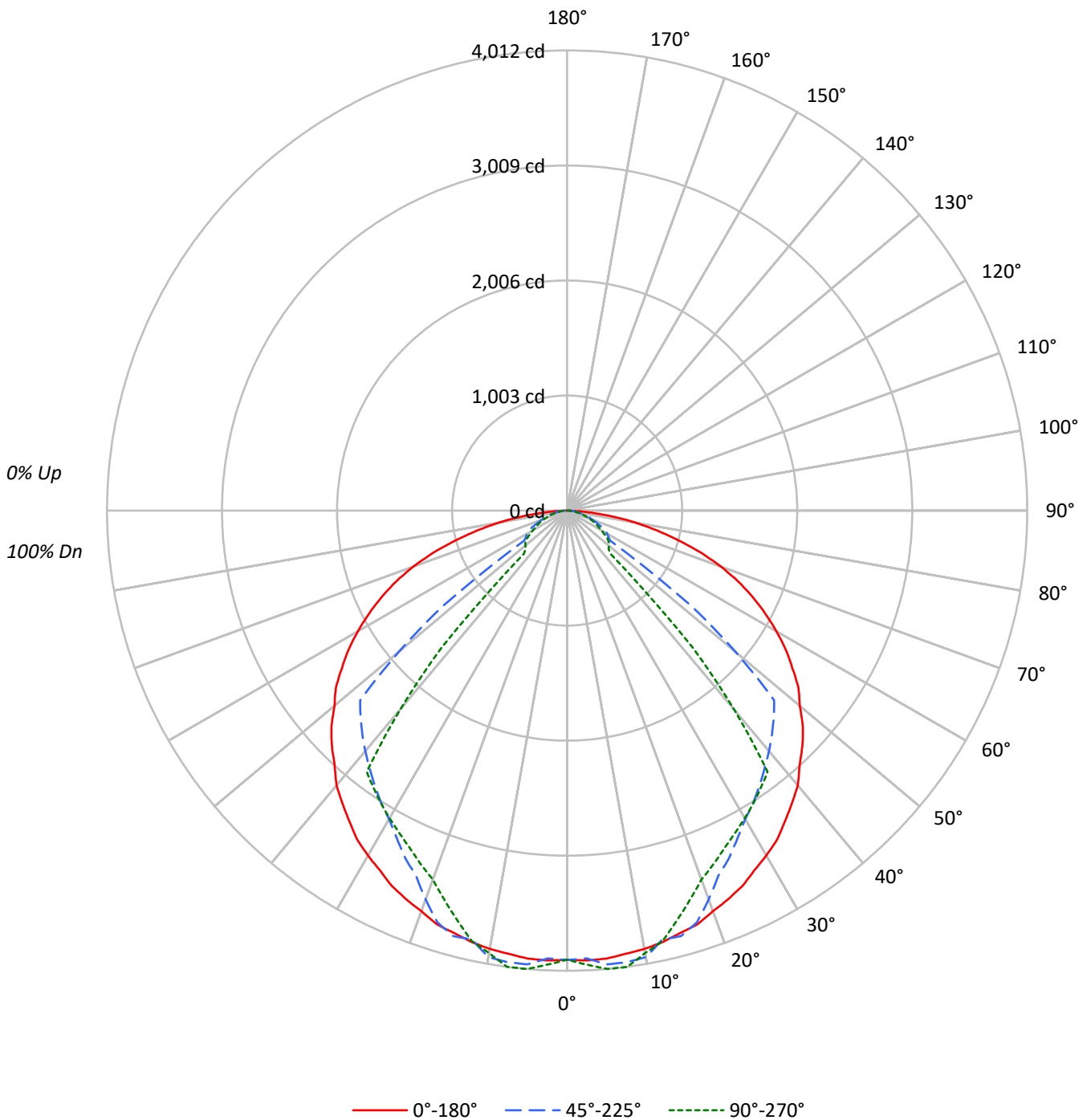
Input Watts (W): 69.18
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	31556	31556	31556
5°	31655	30209	29836
10°	31630	28688	27240
15°	31622	26836	24334
20°	31631	24501	21514
25°	31809	22221	19678
30°	31920	20390	18261
35°	32079	19103	17046
40°	32331	17934	12988
45°	32381	16859	3022
50°	32378	12920	2722
55°	32710	3167	2492
60°	32781	2889	2032
65°	32591	2442	1676
70°	31712	1897	1311
75°	29064	1413	955
80°	24825	950	599
85°	15904	544	270



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.1	4.4
10°-20°	1071.8	12.3
20°-30°	1578.6	18.2
30°-40°	1900.1	21.9
40°-50°	1627.4	18.7
50°-60°	1053.0	12.1
60°-70°	700.0	8.1
70°-80°	298.6	3.4
80°-90°	83.5	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°	3028.5	34.8
0°-40°	4928.6	56.7
0°-60°	7609.0	87.5
0°-90°	8691.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8691.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3917	3917	3917	3917	3917	
5°	3921	3935	3971	4016	4012	373
15°	3812	3917	3840	3758	3699	1078
25°	3613	3636	3341	3268	3246	1664
35°	3309	3182	2924	2947	2947	2074
45°	2901	2579	2548	1555	530	2237
55°	2398	2035	458	435	431	2144
65°	1786	1283	326	281	276	1761
75°	1006	236	168	150	145	1066
85°	213	64	54	41	36	272
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3916.7	3916.7	3916.7	3916.7	3916.7
2.5°	3925.7	3912.1	3907.6	3957.5	3962.0
5°	3921.2	3934.8	3971.1	4016.4	4011.9
7.5°	3898.5	3943.9	3971.1	4039.1	4011.9
10°	3880.4	3962.0	3952.9	3957.5	3916.7
12.5°	3853.2	3930.3	3830.5	3898.5	3844.1
15°	3812.4	3916.7	3839.6	3758.0	3699.1
17.5°	3780.7	3889.5	3762.6	3567.6	3558.6
20°	3717.2	3776.1	3608.4	3467.9	3422.6
22.5°	3667.4	3735.4	3445.2	3350.0	3336.4
25°	3613.0	3635.6	3341.0	3268.4	3245.8
27.5°	3535.9	3581.2	3218.6	3182.3	3168.7
30°	3472.4	3472.4	3105.2	3105.2	3096.2
32.5°	3404.4	3327.4	3019.1	3023.6	3023.6
35°	3309.2	3182.3	2923.9	2946.6	2946.6
37.5°	3218.6	3005.5	2828.7	2865.0	2869.5
40°	3127.9	2869.5	2738.0	2778.8	2271.1
42.5°	3001.0	2719.9	2642.9	2139.7	1618.3
45°	2901.2	2579.4	2547.7	1554.9	530.4
47.5°	2787.9	2443.4	2447.9	494.1	489.6
50°	2647.4	2302.9	1917.5	466.9	476.0
52.5°	2543.1	2175.9	1350.9	453.3	457.9
55°	2398.1	2035.4	457.9	435.2	430.7
57.5°	2262.1	1903.9	426.1	403.5	385.3
60°	2107.9	1763.4	403.5	358.1	344.5
62.5°	1949.3	1622.9	371.7	317.3	308.3
65°	1786.1	1282.9	326.4	281.1	276.5
67.5°	1613.8	843.2	276.5	249.3	244.8
70°	1423.4	330.9	240.3	217.6	208.5
72.5°	1224.0	285.6	204.0	185.9	176.8
75°	1006.4	235.7	167.7	149.6	145.1
77.5°	802.4	176.8	136.0	117.9	113.3
80°	598.4	131.5	104.3	90.7	86.1
82.5°	408.0	95.2	77.1	63.5	58.9
85°	213.1	63.5	54.4	40.8	36.3
87.5°	81.6	40.8	31.7	18.1	18.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)