

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: P218483

Luminaire Tested: **8TSNLED-LD5-62SL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218483
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-LD5-62SL-RM-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6328.1 lumens
Efficiency: N/A
Efficacy: 143.5 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

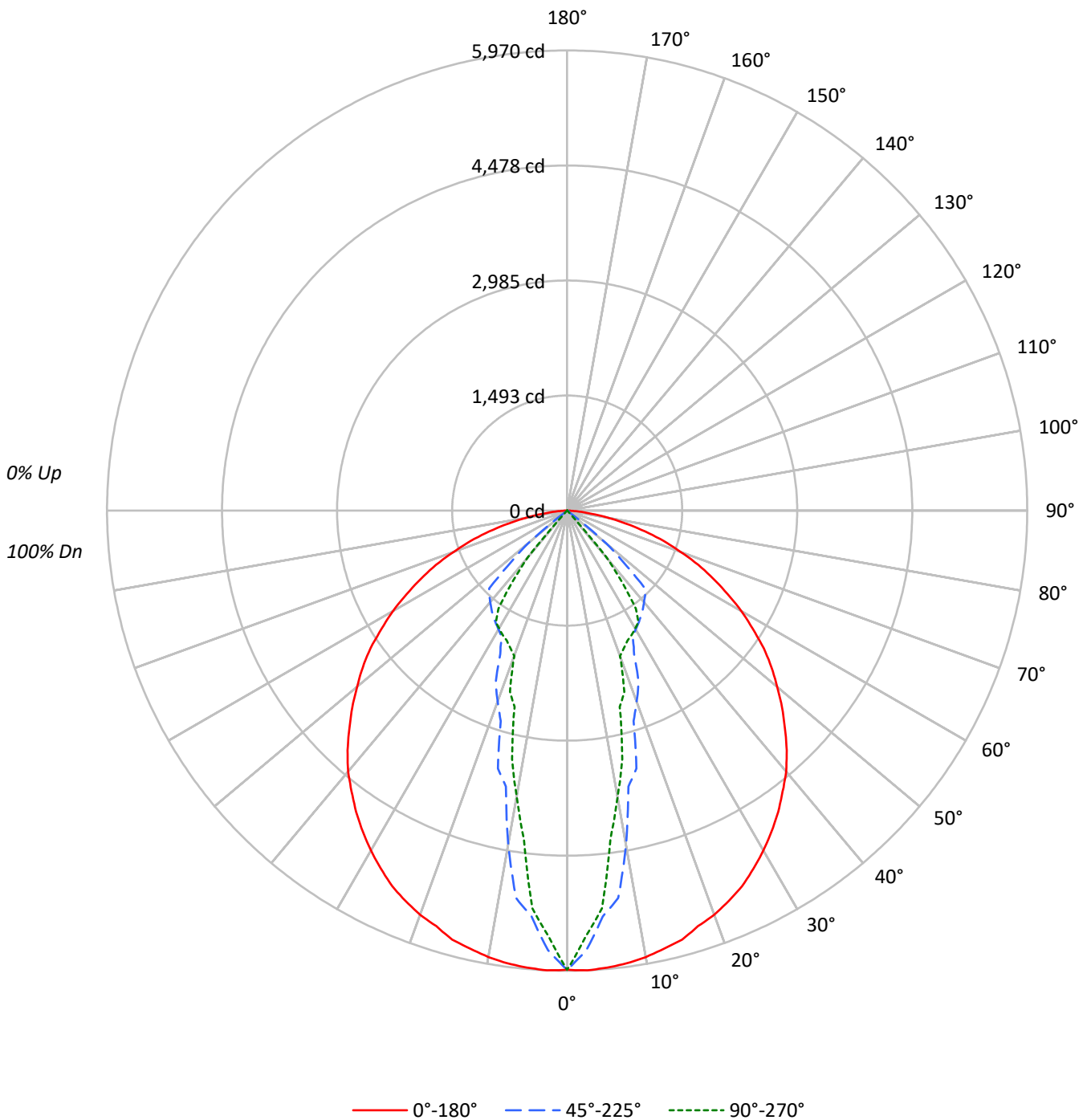
Input Watts (W): 44.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	48003	48003	48003
5°	48050	40205	38532
10°	47942	31919	26207
15°	47797	24220	17344
20°	47472	17881	12612
25°	47312	13670	11256
30°	46812	11689	10409
35°	46253	10911	8989
40°	45684	10157	4513
45°	44583	9452	18
50°	43503	4493	0
55°	42469	148	0
60°	40620	110	0
65°	38175	46	0
70°	34889	24	0
75°	30208	26	20
80°	22332	28	22
85°	11643	31	23



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	491.7	7.8
10°-20°	1060.0	16.8
20°-30°	1264.6	20.0
30°-40°	1345.5	21.3
40°-50°	983.1	15.5
50°-60°	627.9	9.9
60°-70°	378.1	6.0
70°-80°	147.4	2.3
80°-90°	29.9	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°	2816.2	44.5
0°-40°	4161.8	65.8
0°-60°	5772.7	91.2
0°-90°	6328.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6328.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5958	5958	5958	5958	5958	
5°	5952	5661	5285	5190	5181	566
15°	5762	4915	3465	2701	2636	1623
25°	5374	3426	2055	1872	1857	2473
35°	4771	2263	1670	1670	1554	2985
45°	3994	1465	1428	6	3	3086
55°	3114	1156	21	3	0	2772
65°	2092	471	6	3	0	2070
75°	1046	24	3	3	3	1105
85°	156	3	3	3	3	217
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5958.1	5958.1	5958.1	5958.1	5958.1
2.5°	5970.4	5930.6	5710.4	5618.6	5529.9
5°	5952.0	5661.4	5285.2	5190.4	5181.2
7.5°	5924.5	5389.2	5071.1	4526.7	4297.3
10°	5881.7	5211.8	4398.2	3939.5	3768.2
12.5°	5820.5	4948.8	3667.2	3404.2	3303.3
15°	5762.4	4915.1	3465.4	2700.7	2636.5
17.5°	5652.3	4230.0	2862.8	2538.6	2465.2
20°	5578.9	3918.0	2633.4	2202.2	2006.4
22.5°	5481.0	3734.5	2422.4	2003.4	1926.9
25°	5373.9	3425.6	2055.4	1871.9	1856.6
27.5°	5236.3	3012.7	1841.3	1822.9	1816.8
30°	5092.5	2557.0	1780.1	1774.0	1764.8
32.5°	4936.6	2376.5	1725.0	1725.0	1715.9
35°	4771.4	2263.4	1670.0	1670.0	1553.8
37.5°	4594.0	2119.6	1614.9	1614.9	1168.4
40°	4419.7	1816.8	1550.7	1076.6	789.1
42.5°	4217.8	1569.1	1495.6	752.4	6.1
45°	3994.5	1465.1	1428.4	6.1	3.1
47.5°	3783.5	1391.7	972.6	3.1	0.0
50°	3557.1	1312.1	666.8	3.1	0.0
52.5°	3343.0	1238.7	30.6	3.1	0.0
55°	3113.6	1156.1	21.4	3.1	0.0
57.5°	2853.7	1076.6	18.4	3.1	0.0
60°	2612.0	991.0	15.3	3.1	0.0
62.5°	2345.9	841.1	9.2	3.1	0.0
65°	2092.1	471.0	6.1	3.1	0.0
67.5°	1841.3	76.5	6.1	3.1	0.0
70°	1566.0	52.0	3.1	3.1	0.0
72.5°	1312.1	39.8	3.1	3.1	3.1
75°	1046.0	24.5	3.1	3.1	3.1
77.5°	783.0	15.3	3.1	3.1	3.1
80°	538.3	9.2	3.1	3.1	3.1
82.5°	324.2	3.1	3.1	3.1	3.1
85°	156.0	3.1	3.1	3.1	3.1
87.5°	48.9	3.1	3.1	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)