

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: P218484

Luminaire Tested: **8TSNLED-LD5-62SL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218484
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6454.0 lumens
Efficiency: N/A
Efficacy: 146.3 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

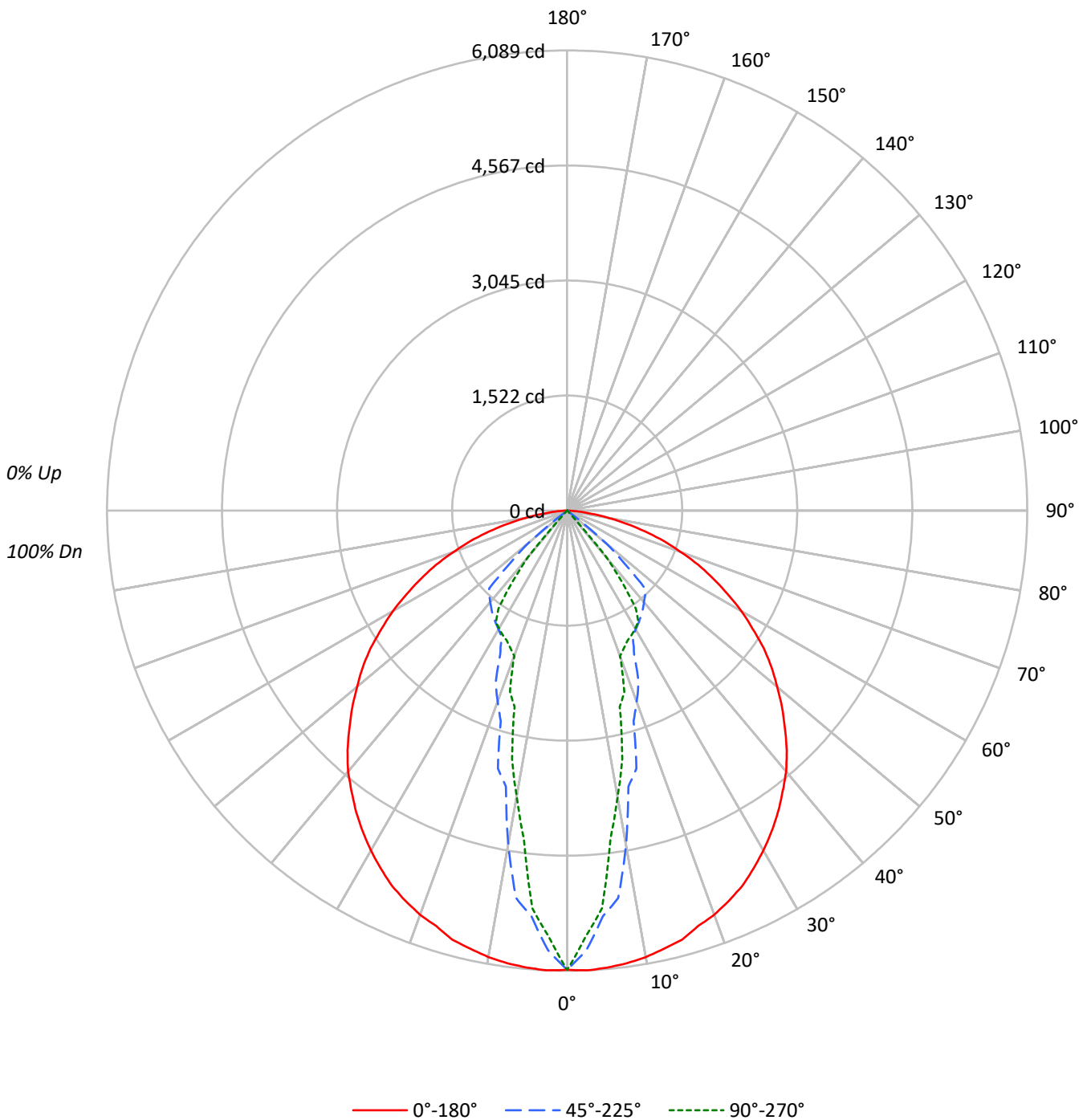
Input Watts (W): 44.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	48960	48960	48960
5°	49006	41006	39300
10°	48897	32555	26729
15°	48748	24703	17689
20°	48417	18237	12864
25°	48254	13942	11480
30°	47745	11921	10616
35°	47174	11127	9167
40°	46593	10359	4602
45°	45471	9640	18
50°	44370	4582	0
55°	43315	151	0
60°	41429	112	0
65°	38934	46	0
70°	35584	24	0
75°	30811	26	20
80°	22776	28	22
85°	11874	31	23



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.5	7.8
10°-20°	1081.1	16.8
20°-30°	1289.7	20.0
30°-40°	1372.3	21.3
40°-50°	1002.6	15.5
50°-60°	640.4	9.9
60°-70°	385.6	6.0
70°-80°	150.3	2.3
80°-90°	30.5	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°	2872.3	44.5
0°-40°	4244.6	65.8
0°-60°	5887.7	91.2
0°-90°	6454.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6454.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6077	6077	6077	6077	6077	
5°	6070	5774	5390	5294	5284	577
15°	5877	5013	3534	2754	2689	1655
25°	5481	3494	2096	1909	1894	2522
35°	4866	2308	1703	1703	1585	3044
45°	4074	1494	1457	6	3	3147
55°	3176	1179	22	3	0	2827
65°	2134	480	6	3	0	2111
75°	1067	25	3	3	3	1127
85°	159	3	3	3	3	221
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6076.8	6076.8	6076.8	6076.8	6076.8
2.5°	6089.2	6048.7	5824.1	5730.5	5640.0
5°	6070.5	5774.2	5390.5	5293.8	5284.4
7.5°	6042.4	5496.5	5172.1	4616.8	4382.9
10°	5998.8	5315.6	4485.8	4017.9	3843.2
12.5°	5936.4	5047.3	3740.3	3472.0	3369.0
15°	5877.1	5013.0	3534.4	2754.5	2689.0
17.5°	5764.8	4314.3	2919.8	2589.2	2514.3
20°	5689.9	3996.1	2685.9	2246.0	2046.4
22.5°	5590.1	3808.9	2470.6	2043.3	1965.3
25°	5480.9	3493.8	2096.3	1909.1	1893.5
27.5°	5340.6	3072.7	1877.9	1859.2	1853.0
30°	5193.9	2607.9	1815.5	1809.3	1799.9
32.5°	5034.9	2423.8	1759.4	1759.4	1750.0
35°	4866.4	2308.4	1703.2	1703.2	1584.7
37.5°	4685.5	2161.8	1647.1	1647.1	1191.6
40°	4507.7	1853.0	1581.6	1098.1	804.8
42.5°	4301.8	1600.3	1525.4	767.4	6.2
45°	4074.1	1494.2	1456.8	6.2	3.1
47.5°	3858.8	1419.4	992.0	3.1	0.0
50°	3628.0	1338.3	680.0	3.1	0.0
52.5°	3409.6	1263.4	31.2	3.1	0.0
55°	3175.6	1179.2	21.8	3.1	0.0
57.5°	2910.5	1098.1	18.7	3.1	0.0
60°	2664.0	1010.7	15.6	3.1	0.0
62.5°	2392.6	857.9	9.4	3.1	0.0
65°	2133.7	480.4	6.2	3.1	0.0
67.5°	1877.9	78.0	6.2	3.1	0.0
70°	1597.2	53.0	3.1	3.1	0.0
72.5°	1338.3	40.6	3.1	3.1	3.1
75°	1066.9	25.0	3.1	3.1	3.1
77.5°	798.6	15.6	3.1	3.1	3.1
80°	549.0	9.4	3.1	3.1	3.1
82.5°	330.7	3.1	3.1	3.1	3.1
85°	159.1	3.1	3.1	3.1	3.1
87.5°	49.9	3.1	3.1	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)