

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: P218523

Luminaire Tested: **8TSNLED-LD5-57SL-RW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218523
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-LD5-57SL-RW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6923.0 lumens
Efficiency: N/A
Efficacy: 157.0 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

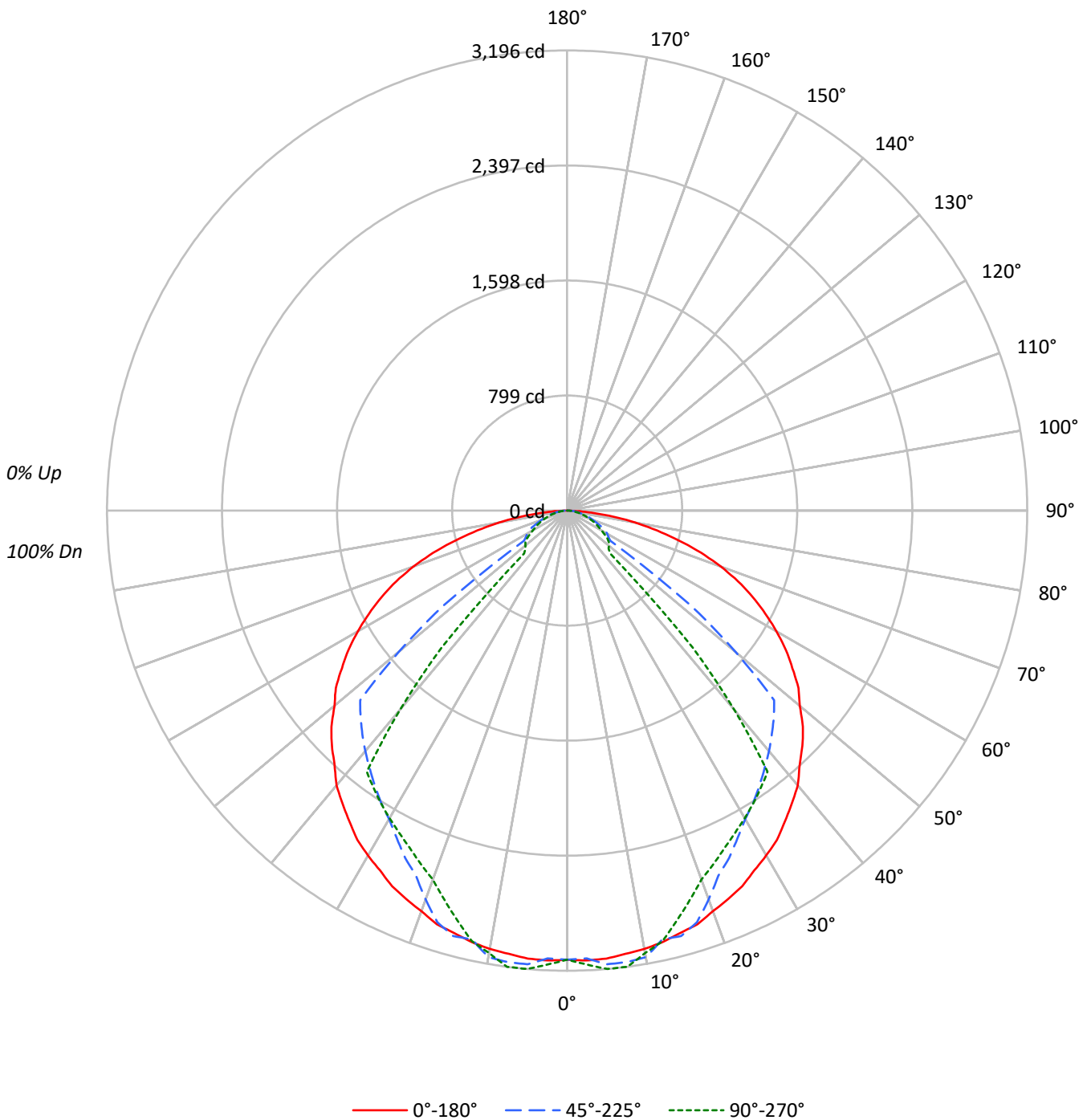
Input Watts (W): 44.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77					75				
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67					65				
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59					57				
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52					50				
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47					45				
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42					40				
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38					36				
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34					33				
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32					30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25136	25136	25136
5°	25216	24063	23766
10°	25195	22852	21698
15°	25190	21376	19384
20°	25196	19517	17137
25°	25338	17700	15675
30°	25426	16242	14546
35°	25553	15217	13578
40°	25754	14286	10346
45°	25793	13429	2407
50°	25790	10292	2169
55°	26055	2522	1984
60°	26112	2301	1618
65°	25960	1945	1336
70°	25262	1511	1044
75°	23150	1126	760
80°	19776	757	477
85°	12665	433	215



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.2	4.4
10°-20°	853.8	12.3
20°-30°	1257.5	18.2
30°-40°	1513.5	21.9
40°-50°	1296.3	18.7
50°-60°	838.8	12.1
60°-70°	557.6	8.1
70°-80°	237.9	3.4
80°-90°	66.5	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°	2412.4	34.8
0°-40°	3926.0	56.7
0°-60°	6061.1	87.5
0°-90°	6923.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6923.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3120	3120	3120	3120	3120	
5°	3124	3134	3163	3199	3196	297
15°	3037	3120	3058	2994	2947	859
25°	2878	2896	2661	2604	2586	1326
35°	2636	2535	2329	2347	2347	1652
45°	2311	2055	2029	1239	422	1782
55°	1910	1621	365	347	343	1708
65°	1423	1022	260	224	220	1403
75°	802	188	134	119	116	849
85°	170	51	43	32	29	217
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3119.9	3119.9	3119.9	3119.9	3119.9
2.5°	3127.1	3116.3	3112.7	3152.4	3156.0
5°	3123.5	3134.4	3163.2	3199.4	3195.7
7.5°	3105.5	3141.6	3163.2	3217.4	3195.7
10°	3091.0	3156.0	3148.8	3152.4	3119.9
12.5°	3069.4	3130.7	3051.3	3105.5	3062.1
15°	3036.9	3119.9	3058.5	2993.5	2946.6
17.5°	3011.6	3098.2	2997.1	2841.9	2834.6
20°	2961.0	3008.0	2874.4	2762.4	2726.3
22.5°	2921.3	2975.5	2744.4	2668.5	2657.7
25°	2878.0	2896.0	2661.3	2603.5	2585.5
27.5°	2816.6	2852.7	2563.8	2534.9	2524.1
30°	2766.0	2766.0	2473.5	2473.5	2466.3
32.5°	2711.9	2650.5	2404.9	2408.5	2408.5
35°	2636.0	2534.9	2329.1	2347.2	2347.2
37.5°	2563.8	2394.1	2253.3	2282.2	2285.8
40°	2491.6	2285.8	2181.1	2213.5	1809.1
42.5°	2390.5	2166.6	2105.2	1704.4	1289.1
45°	2311.0	2054.7	2029.4	1238.6	422.5
47.5°	2220.8	1946.3	1949.9	393.6	390.0
50°	2108.8	1834.4	1527.5	371.9	379.2
52.5°	2025.8	1733.3	1076.1	361.1	364.7
55°	1910.2	1621.3	364.7	346.7	343.0
57.5°	1801.9	1516.6	339.4	321.4	306.9
60°	1679.1	1404.7	321.4	285.3	274.4
62.5°	1552.7	1292.7	296.1	252.8	245.5
65°	1422.7	1021.9	260.0	223.9	220.3
67.5°	1285.5	671.6	220.3	198.6	195.0
70°	1133.9	263.6	191.4	173.3	166.1
72.5°	975.0	227.5	162.5	148.1	140.8
75°	801.6	187.8	133.6	119.2	115.6
77.5°	639.1	140.8	108.3	93.9	90.3
80°	476.7	104.7	83.1	72.2	68.6
82.5°	325.0	75.8	61.4	50.6	46.9
85°	169.7	50.6	43.3	32.5	28.9
87.5°	65.0	32.5	25.3	14.4	14.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)