

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: P218525

Luminaire Tested: **8TSNLED-LD5-64SL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218525  
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-LD5-64SL-RW-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6995.0 lumens  
Efficiency: N/A  
Efficacy: 140.7 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

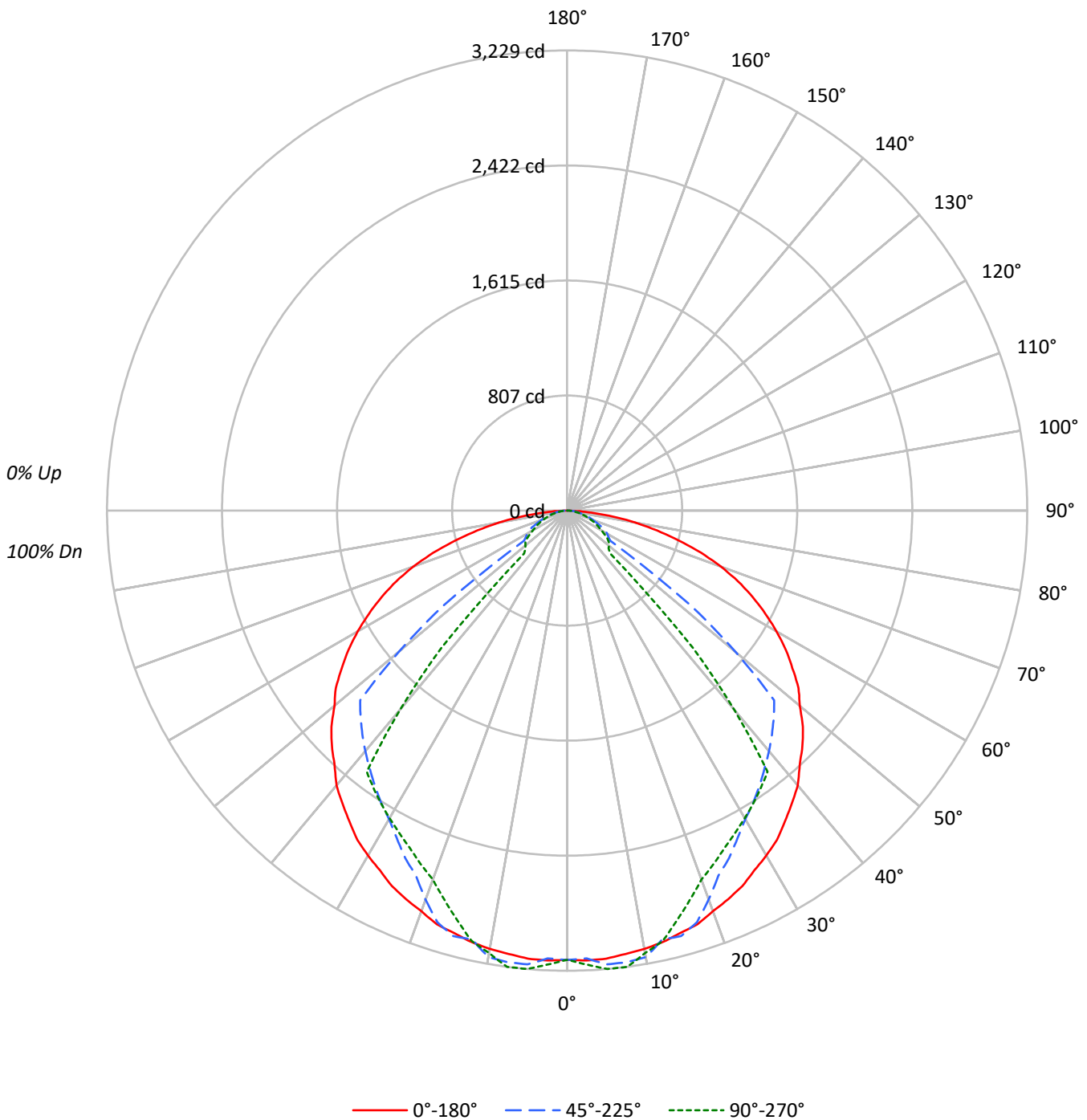
Input Watts (W): 49.72  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	25398	25398	25398
5°	25478	24313	24014
10°	25458	23089	21924
15°	25451	21599	19585
20°	25458	19720	17316
25°	25601	17884	15838
30°	25691	16412	14698
35°	25820	15375	13720
40°	26022	14434	10453
45°	26062	13569	2432
50°	26060	10398	2191
55°	26327	2549	2005
60°	26384	2325	1636
65°	26230	1965	1350
70°	25523	1527	1055
75°	23392	1138	768
80°	19980	764	482
85°	12800	438	217



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	304.3	4.4
10°-20°	862.7	12.3
20°-30°	1270.6	18.2
30°-40°	1529.3	21.9
40°-50°	1309.8	18.7
50°-60°	847.5	12.1
60°-70°	563.4	8.1
70°-80°	240.3	3.4
80°-90°	67.2	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°	2437.5	34.8
0°-40°	3966.8	56.7
0°-60°	6124.1	87.5
0°-90°	6995.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6995.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3152	3152	3152	3152	3152	
5°	3156	3167	3196	3233	3229	300
15°	3068	3152	3090	3025	2977	868
25°	2908	2926	2689	2631	2612	1339
35°	2664	2561	2353	2372	2372	1669
45°	2335	2076	2050	1252	427	1800
55°	1930	1638	368	350	347	1726
65°	1438	1032	263	226	223	1418
75°	810	190	135	120	117	858
85°	172	51	44	33	29	219
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3152.4	3152.4	3152.4	3152.4	3152.4
2.5°	3159.7	3148.7	3145.1	3185.2	3188.8
5°	3156.0	3167.0	3196.1	3232.6	3229.0
7.5°	3137.8	3174.3	3196.1	3250.9	3229.0
10°	3123.2	3188.8	3181.5	3185.2	3152.4
12.5°	3101.3	3163.3	3083.0	3137.8	3094.0
15°	3068.4	3152.4	3090.3	3024.7	2977.2
17.5°	3042.9	3130.5	3028.3	2871.4	2864.1
20°	2991.8	3039.3	2904.3	2791.2	2754.7
22.5°	2951.7	3006.4	2772.9	2696.3	2685.3
25°	2907.9	2926.1	2689.0	2630.6	2612.4
27.5°	2845.9	2882.4	2590.5	2561.3	2550.3
30°	2794.8	2794.8	2499.3	2499.3	2492.0
32.5°	2740.1	2678.0	2429.9	2433.6	2433.6
35°	2663.5	2561.3	2353.3	2371.6	2371.6
37.5°	2590.5	2419.0	2276.7	2305.9	2309.5
40°	2517.5	2309.5	2203.7	2236.6	1827.9
42.5°	2415.4	2189.1	2127.1	1722.1	1302.5
45°	2335.1	2076.0	2050.5	1251.5	426.9
47.5°	2243.9	1966.6	1970.2	397.7	394.0
50°	2130.8	1853.5	1543.3	375.8	383.1
52.5°	2046.8	1751.3	1087.3	364.9	368.5
55°	1930.1	1638.2	368.5	350.3	346.6
57.5°	1820.6	1532.4	343.0	324.7	310.1
60°	1696.6	1419.3	324.7	288.2	277.3
62.5°	1568.9	1306.2	299.2	255.4	248.1
65°	1437.5	1032.5	262.7	226.2	222.6
67.5°	1298.9	678.6	222.6	200.7	197.0
70°	1145.6	266.3	193.4	175.1	167.8
72.5°	985.1	229.9	164.2	149.6	142.3
75°	810.0	189.7	135.0	120.4	116.8
77.5°	645.8	142.3	109.5	94.9	91.2
80°	481.6	105.8	83.9	73.0	69.3
82.5°	328.4	76.6	62.0	51.1	47.4
85°	171.5	51.1	43.8	32.8	29.2
87.5°	65.7	32.8	25.5	14.6	14.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)