

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: P218535

Luminaire Tested: **8TSNLED-LD5-79SL-RW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218535  
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-LD5-79SL-RW-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9220.0 lumens  
Efficiency: N/A  
Efficacy: 150.8 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

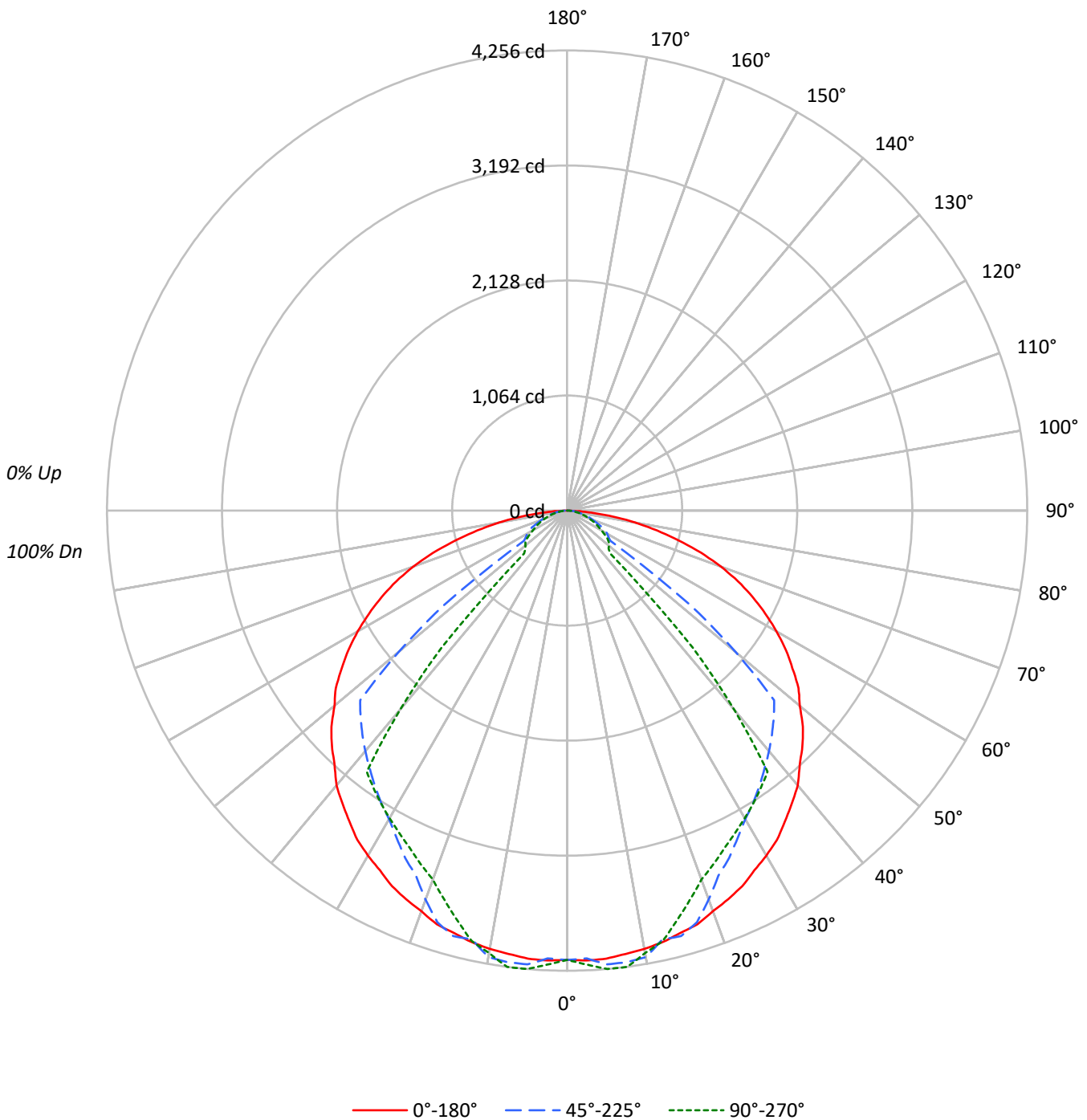
Input Watts (W): 61.16  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	33477	33477	33477
5°	33582	32047	31652
10°	33555	30434	28898
15°	33548	28469	25815
20°	33556	25992	22824
25°	33745	23573	20876
30°	33863	21631	19373
35°	34032	20266	18083
40°	34299	19026	13779
45°	34352	17885	3206
50°	34348	13707	2888
55°	34700	3359	2643
60°	34776	3065	2156
65°	34575	2591	1779
70°	33643	2013	1390
75°	30832	1499	1012
80°	26335	1007	636
85°	16867	577	286



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	401.1	4.4
10°-20°	1137.1	12.3
20°-30°	1674.7	18.2
30°-40°	2015.7	21.9
40°-50°	1726.4	18.7
50°-60°	1117.1	12.1
60°-70°	742.6	8.1
70°-80°	316.8	3.4
80°-90°	88.6	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°	3212.9	34.8
0°-40°	5228.6	56.7
0°-60°	8072.1	87.5
0°-90°	9220.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9220.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4155	4155	4155	4155	4155	
5°	4160	4174	4213	4261	4256	395
15°	4044	4155	4073	3987	3924	1144
25°	3833	3857	3544	3467	3443	1765
35°	3511	3376	3102	3126	3126	2200
45°	3078	2736	2703	1650	563	2373
55°	2544	2159	486	462	457	2275
65°	1895	1361	346	298	293	1868
75°	1068	250	178	159	154	1131
85°	226	67	58	43	38	289
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4155.1	4155.1	4155.1	4155.1	4155.1
2.5°	4164.7	4150.3	4145.5	4198.4	4203.2
5°	4159.9	4174.3	4212.8	4260.9	4256.1
7.5°	4135.8	4183.9	4212.8	4284.9	4256.1
10°	4116.6	4203.2	4193.6	4198.4	4155.1
12.5°	4087.7	4169.5	4063.7	4135.8	4078.1
15°	4044.5	4155.1	4073.3	3986.8	3924.2
17.5°	4010.8	4126.2	3991.6	3784.8	3775.2
20°	3943.5	4006.0	3828.1	3679.0	3630.9
22.5°	3890.6	3962.7	3654.9	3553.9	3539.5
25°	3832.9	3856.9	3544.3	3467.4	3443.3
27.5°	3751.1	3799.2	3414.5	3376.0	3361.6
30°	3683.8	3683.8	3294.2	3294.2	3284.6
32.5°	3611.6	3529.9	3202.9	3207.7	3207.7
35°	3510.7	3376.0	3101.9	3125.9	3125.9
37.5°	3414.5	3188.4	3000.9	3039.4	3044.2
40°	3318.3	3044.2	2904.7	2948.0	2409.4
42.5°	3183.6	2885.5	2803.7	2269.9	1716.9
45°	3077.8	2736.4	2702.7	1649.5	562.7
47.5°	2957.6	2592.1	2596.9	524.2	519.4
50°	2808.5	2443.0	2034.3	495.3	505.0
52.5°	2697.9	2308.4	1433.1	480.9	485.7
55°	2544.0	2159.3	485.7	461.7	456.9
57.5°	2399.7	2019.8	452.1	428.0	408.8
60°	2236.2	1870.7	428.0	379.9	365.5
62.5°	2067.9	1721.7	394.3	336.6	327.0
65°	1894.8	1361.0	346.3	298.2	293.4
67.5°	1712.0	894.5	293.4	264.5	259.7
70°	1510.1	351.1	254.9	230.8	221.2
72.5°	1298.5	303.0	216.4	197.2	187.6
75°	1067.6	250.1	177.9	158.7	153.9
77.5°	851.2	187.6	144.3	125.0	120.2
80°	634.8	139.5	110.6	96.2	91.4
82.5°	432.8	101.0	81.8	67.3	62.5
85°	226.0	67.3	57.7	43.3	38.5
87.5°	86.6	43.3	33.7	19.2	19.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)