

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: P218533

Luminaire Tested: **8TSNLED-LD5-79SL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218533
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8356.0 lumens
Efficiency: N/A
Efficacy: 136.6 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

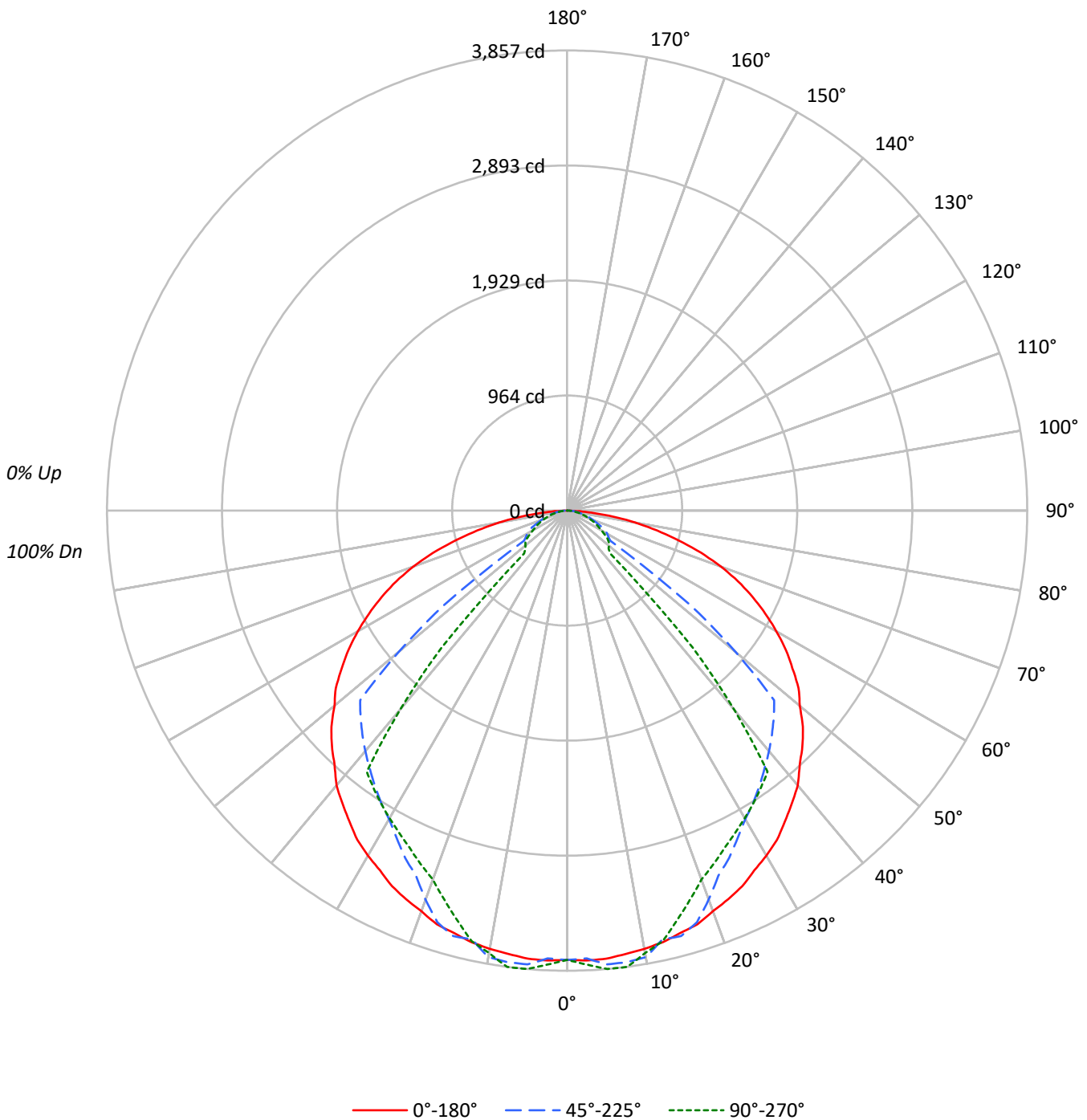
Input Watts (W): 61.16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	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°	30340	30340	30340
5°	30435	29044	28686
10°	30410	27582	26190
15°	30404	25801	23396
20°	30411	23556	20685
25°	30583	21364	18920
30°	30690	19604	17557
35°	30843	18366	16389
40°	31085	17243	12488
45°	31133	16209	2905
50°	31129	12422	2617
55°	31448	3045	2396
60°	31518	2778	1953
65°	31334	2348	1612
70°	30491	1824	1260
75°	27944	1359	918
80°	23867	913	576
85°	15285	523	260



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.5	4.4
10°-20°	1030.5	12.3
20°-30°	1517.8	18.2
30°-40°	1826.8	21.9
40°-50°	1564.6	18.7
50°-60°	1012.4	12.1
60°-70°	673.0	8.1
70°-80°	287.1	3.4
80°-90°	80.2	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°	2911.8	34.8
0°-40°	4738.6	56.7
0°-60°	7315.7	87.6
0°-90°	8356.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8356.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3766	3766	3766	3766	3766	
5°	3770	3783	3818	3862	3857	358
15°	3666	3766	3692	3613	3556	1037
25°	3474	3496	3212	3142	3121	1600
35°	3182	3060	2811	2833	2833	1994
45°	2789	2480	2450	1495	510	2151
55°	2306	1957	440	418	414	2062
65°	1717	1233	314	270	266	1693
75°	968	227	161	144	140	1025
85°	205	61	52	39	35	262
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3765.7	3765.7	3765.7	3765.7	3765.7
2.5°	3774.4	3761.3	3757.0	3804.9	3809.3
5°	3770.1	3783.1	3818.0	3861.6	3857.2
7.5°	3748.3	3791.9	3818.0	3883.4	3857.2
10°	3730.8	3809.3	3800.6	3804.9	3765.7
12.5°	3704.7	3778.8	3682.9	3748.3	3696.0
15°	3665.5	3765.7	3691.6	3613.2	3556.5
17.5°	3635.0	3739.6	3617.5	3430.1	3421.4
20°	3573.9	3630.6	3469.3	3334.2	3290.6
22.5°	3526.0	3591.4	3312.4	3220.9	3207.8
25°	3473.7	3495.5	3212.2	3142.4	3120.7
27.5°	3399.6	3443.2	3094.5	3059.6	3046.6
30°	3338.6	3338.6	2985.5	2985.5	2976.8
32.5°	3273.2	3199.1	2902.7	2907.1	2907.1
35°	3181.7	3059.6	2811.2	2833.0	2833.0
37.5°	3094.5	2889.7	2719.7	2754.5	2758.9
40°	3007.3	2758.9	2632.5	2671.7	2183.6
42.5°	2885.3	2615.1	2541.0	2057.2	1556.0
45°	2789.4	2480.0	2449.5	1495.0	509.9
47.5°	2680.5	2349.2	2353.6	475.1	470.7
50°	2545.3	2214.1	1843.6	448.9	457.6
52.5°	2445.1	2092.1	1298.8	435.8	440.2
55°	2305.6	1956.9	440.2	418.4	414.1
57.5°	2174.9	1830.6	409.7	387.9	370.5
60°	2026.7	1695.4	387.9	344.3	331.2
62.5°	1874.1	1560.3	357.4	305.1	296.4
65°	1717.2	1233.4	313.8	270.2	265.9
67.5°	1551.6	810.7	265.9	239.7	235.4
70°	1368.6	318.2	231.0	209.2	200.5
72.5°	1176.8	274.6	196.1	178.7	170.0
75°	967.6	226.6	161.3	143.8	139.5
77.5°	771.4	170.0	130.8	113.3	109.0
80°	575.3	126.4	100.2	87.2	82.8
82.5°	392.3	91.5	74.1	61.0	56.7
85°	204.8	61.0	52.3	39.2	34.9
87.5°	78.5	39.2	30.5	17.4	17.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)