

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: P218029

Luminaire Tested: **8TSNLED-LD5-112SL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218029
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-112SL-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11585.0 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

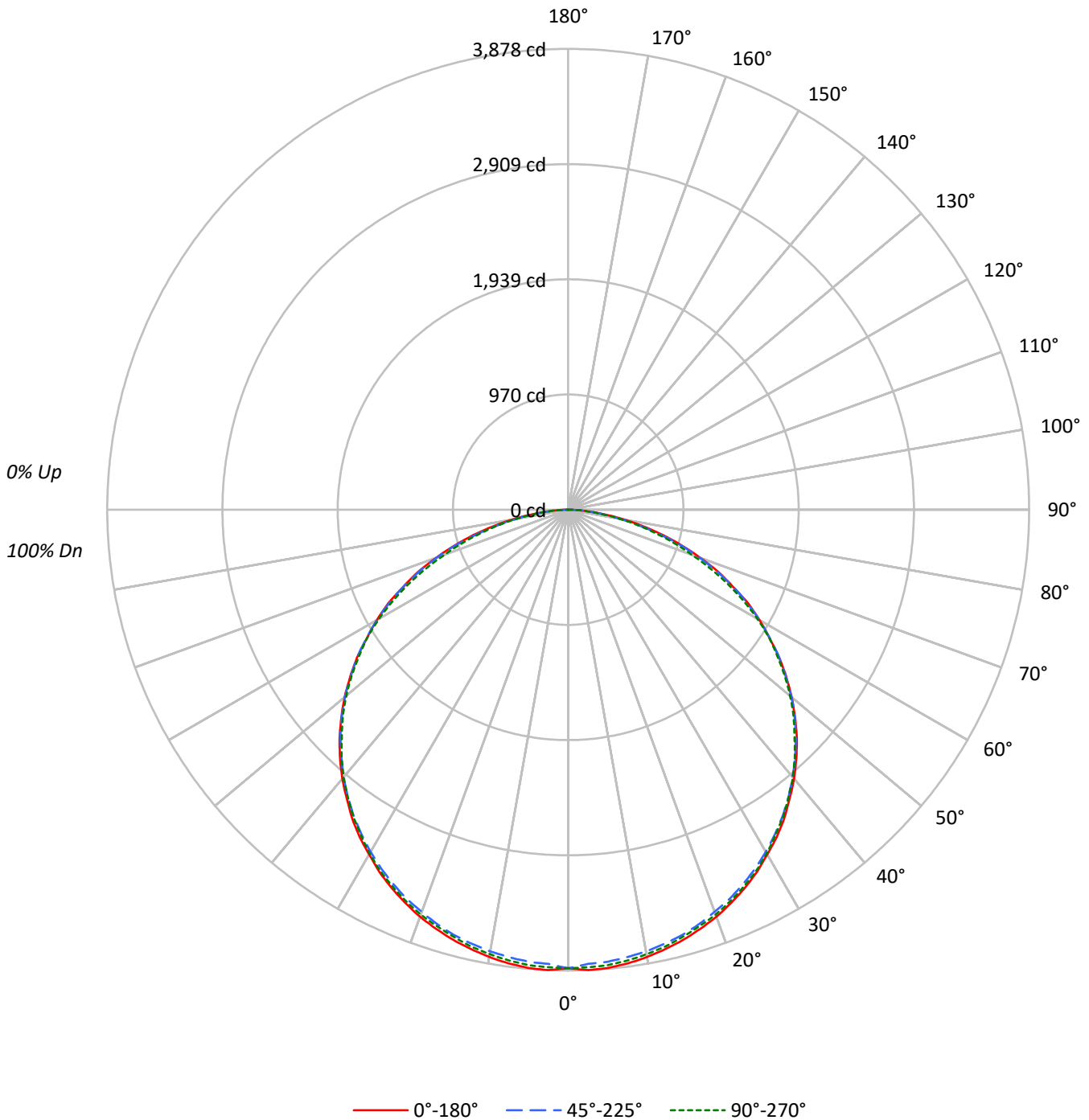
Input Watts (W): 85.64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	99	95	106	101	97	94	97	94	91		93	91	88		90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	70	64	87	77	70	63	74	68	62		71	66	61		69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25		36	30	25		36	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31086	31086	31086
5°	31244	29046	28605
10°	31155	27391	26416
15°	31073	25902	24485
20°	31024	24457	22792
25°	30935	23130	21205
30°	30790	21836	19708
35°	30722	20548	18240
40°	30563	19236	16818
45°	30363	17922	15339
50°	30037	16521	13931
55°	29565	14991	12423
60°	28910	13312	10846
65°	27854	11451	8987
70°	26331	9269	6951
75°	23952	6685	4981
80°	19781	3978	3093
85°	13158	1722	1252



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.7	3.2
10°-20°	1052.6	9.1
20°-30°	1612.7	13.9
30°-40°	1974.0	17.0
40°-50°	2088.9	18.0
50°-60°	1932.0	16.7
60°-70°	1500.2	12.9
70°-80°	845.0	7.3
80°-90°	213.7	1.8
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°	3031.0	26.2
0°-40°	5005.0	43.2
0°-60°	9026.0	77.9
0°-90°	11585.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11585.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3858	3858	3858	3858	3858	
5°	3870	3854	3818	3854	3846	368
15°	3746	3734	3706	3738	3722	1058
25°	3514	3502	3478	3506	3498	1620
35°	3169	3157	3145	3153	3153	1982
45°	2720	2716	2708	2704	2692	2096
55°	2168	2176	2168	2160	2148	1934
65°	1526	1538	1530	1510	1482	1514
75°	829	829	793	773	757	874
85°	176	176	172	172	168	220
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3858.3	3858.3	3858.3	3858.3	3858.3
2.5°	3878.3	3862.3	3826.2	3862.3	3854.3
5°	3870.3	3854.3	3818.2	3854.3	3846.3
7.5°	3850.3	3838.3	3798.2	3834.3	3826.2
10°	3822.2	3810.2	3774.2	3810.2	3798.2
12.5°	3786.2	3774.2	3742.1	3774.2	3766.1
15°	3746.1	3734.1	3706.0	3738.1	3722.1
17.5°	3698.0	3690.0	3658.0	3690.0	3674.0
20°	3645.9	3629.9	3601.9	3633.9	3625.9
22.5°	3581.8	3573.8	3545.8	3573.8	3565.8
25°	3513.7	3501.7	3477.7	3505.7	3497.7
27.5°	3437.6	3429.6	3405.6	3425.6	3425.6
30°	3349.5	3345.5	3325.4	3345.5	3341.4
32.5°	3265.3	3257.3	3237.3	3253.3	3245.3
35°	3169.2	3157.1	3145.1	3153.1	3153.1
37.5°	3061.0	3057.0	3045.0	3057.0	3045.0
40°	2956.8	2948.8	2936.8	2940.8	2940.8
42.5°	2840.6	2836.6	2824.6	2824.6	2820.6
45°	2720.4	2716.4	2708.4	2704.4	2692.4
47.5°	2588.2	2584.2	2584.2	2580.2	2572.2
50°	2456.0	2456.0	2452.0	2440.0	2436.0
52.5°	2311.8	2319.8	2307.8	2299.7	2295.7
55°	2167.5	2175.5	2167.5	2159.5	2147.5
57.5°	2007.3	2023.3	2011.3	2007.3	2003.3
60°	1859.0	1867.0	1859.0	1847.0	1839.0
62.5°	1706.8	1706.8	1694.8	1686.7	1662.7
65°	1526.5	1538.5	1530.5	1510.5	1482.4
67.5°	1366.2	1358.2	1350.2	1326.2	1294.1
70°	1181.9	1185.9	1173.9	1137.9	1105.8
72.5°	1005.6	1013.7	989.6	941.5	933.5
75°	829.4	829.4	793.3	773.3	757.2
77.5°	649.1	653.1	605.0	601.0	597.0
80°	476.8	484.8	436.7	448.7	444.7
82.5°	324.5	316.5	296.5	296.5	292.5
85°	176.3	176.3	172.3	172.3	168.3
87.5°	68.1	72.1	80.1	88.1	84.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)