

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: P218532

Luminaire Tested: **8TSNLED-LD5-79SL-RW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218532
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7866.0 lumens
Efficiency: N/A
Efficacy: 128.6 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

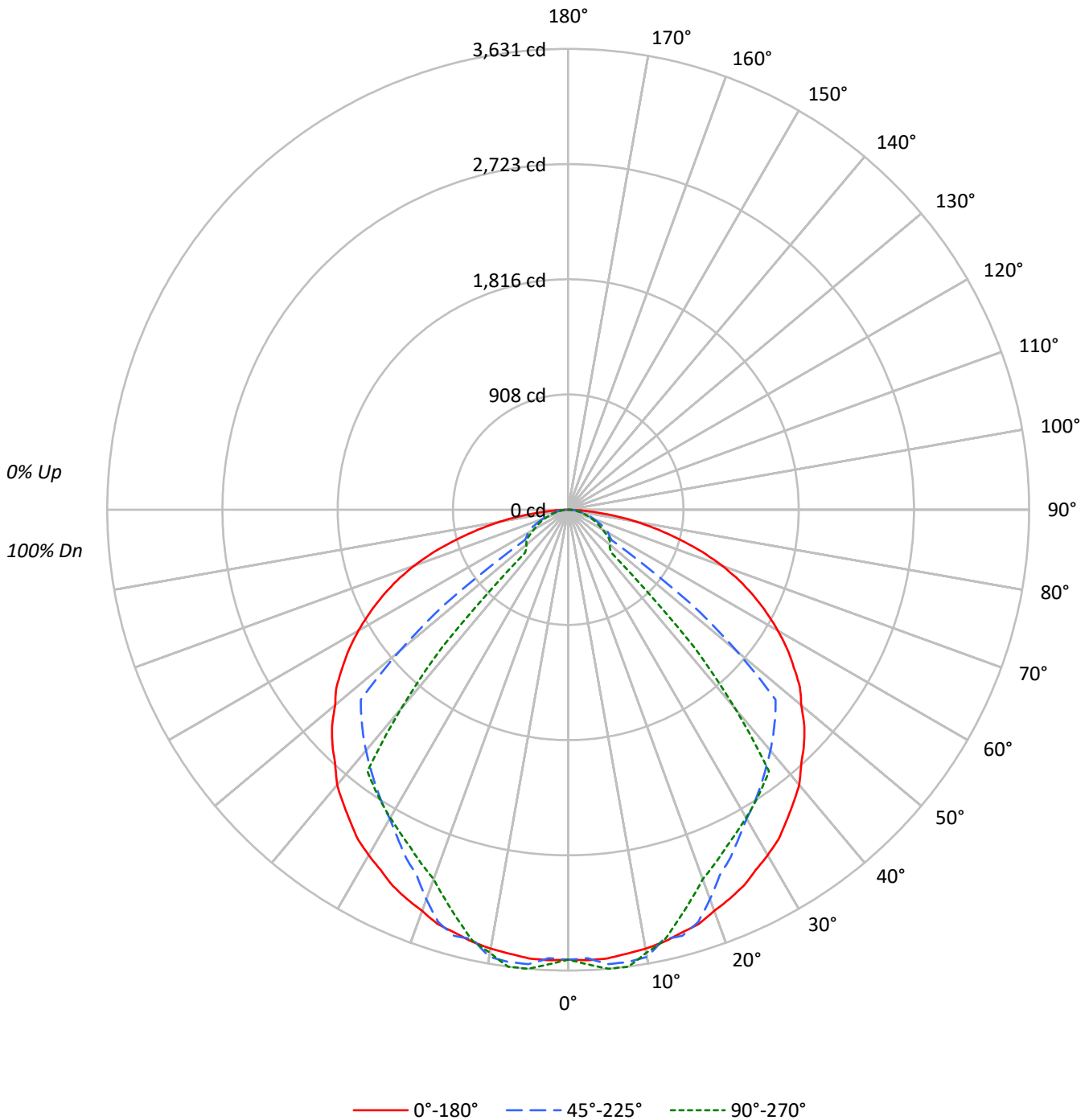
Input Watts (W): 61.16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28561	28561	28561
5°	28651	27341	27004
10°	28628	25965	24654
15°	28621	24288	22024
20°	28628	22175	19472
25°	28789	20111	17810
30°	28890	18455	16528
35°	29034	17290	15428
40°	29262	16232	11755
45°	29307	15258	2735
50°	29304	11693	2464
55°	29604	2866	2255
60°	29669	2615	1839
65°	29497	2210	1517
70°	28702	1717	1186
75°	26303	1279	864
80°	22469	860	542
85°	14389	492	244



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.2	4.4
10°-20°	970.1	12.3
20°-30°	1428.8	18.2
30°-40°	1719.7	21.9
40°-50°	1472.9	18.7
50°-60°	953.1	12.1
60°-70°	633.5	8.1
70°-80°	270.2	3.4
80°-90°	75.5	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°	2741.0	34.8
0°-40°	4460.8	56.7
0°-60°	6886.7	87.6
0°-90°	7866.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7866.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3545	3545	3545	3545	3545	
5°	3549	3561	3594	3635	3631	337
15°	3450	3545	3475	3401	3348	976
25°	3270	3290	3024	2958	2938	1506
35°	2995	2880	2646	2667	2667	1877
45°	2626	2334	2306	1407	480	2024
55°	2170	1842	414	394	390	1941
65°	1616	1161	295	254	250	1594
75°	911	213	152	135	131	965
85°	193	57	49	37	33	247
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3544.9	3544.9	3544.9	3544.9	3544.9
2.5°	3553.1	3540.8	3536.7	3581.8	3585.9
5°	3549.0	3561.3	3594.1	3635.1	3631.0
7.5°	3528.5	3569.5	3594.1	3655.7	3631.0
10°	3512.1	3585.9	3577.7	3581.8	3544.9
12.5°	3487.4	3557.2	3466.9	3528.5	3479.2
15°	3450.5	3544.9	3475.1	3401.3	3347.9
17.5°	3421.8	3520.3	3405.4	3229.0	3220.8
20°	3364.4	3417.7	3265.9	3138.7	3097.7
22.5°	3319.2	3380.8	3118.2	3032.0	3019.7
25°	3270.0	3290.5	3023.8	2958.2	2937.7
27.5°	3200.2	3241.3	2913.0	2880.2	2867.9
30°	3142.8	3142.8	2810.5	2810.5	2802.3
32.5°	3081.3	3011.5	2732.5	2736.6	2736.6
35°	2995.1	2880.2	2646.4	2666.9	2666.9
37.5°	2913.0	2720.2	2560.2	2593.0	2597.1
40°	2831.0	2597.1	2478.1	2515.1	2055.5
42.5°	2716.1	2461.7	2392.0	1936.6	1464.7
45°	2625.8	2334.5	2305.8	1407.3	480.0
47.5°	2523.3	2211.5	2215.6	447.2	443.1
50°	2396.1	2084.3	1735.5	422.6	430.8
52.5°	2301.7	1969.4	1222.7	410.3	414.4
55°	2170.4	1842.2	414.4	393.9	389.8
57.5°	2047.3	1723.2	385.7	365.2	348.7
60°	1907.8	1596.0	365.2	324.1	311.8
62.5°	1764.2	1468.8	336.4	287.2	279.0
65°	1616.5	1161.1	295.4	254.4	250.3
67.5°	1460.6	763.1	250.3	225.7	221.6
70°	1288.3	299.5	217.5	196.9	188.7
72.5°	1107.8	258.5	184.6	168.2	160.0
75°	910.8	213.3	151.8	135.4	131.3
77.5°	726.2	160.0	123.1	106.7	102.6
80°	541.6	119.0	94.4	82.1	78.0
82.5°	369.3	86.2	69.7	57.4	53.3
85°	192.8	57.4	49.2	36.9	32.8
87.5°	73.9	36.9	28.7	16.4	16.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)