

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: P218498

Luminaire Tested: **8TSNLED-LD5-95SL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218498
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-95SL-RM-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8764.9 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

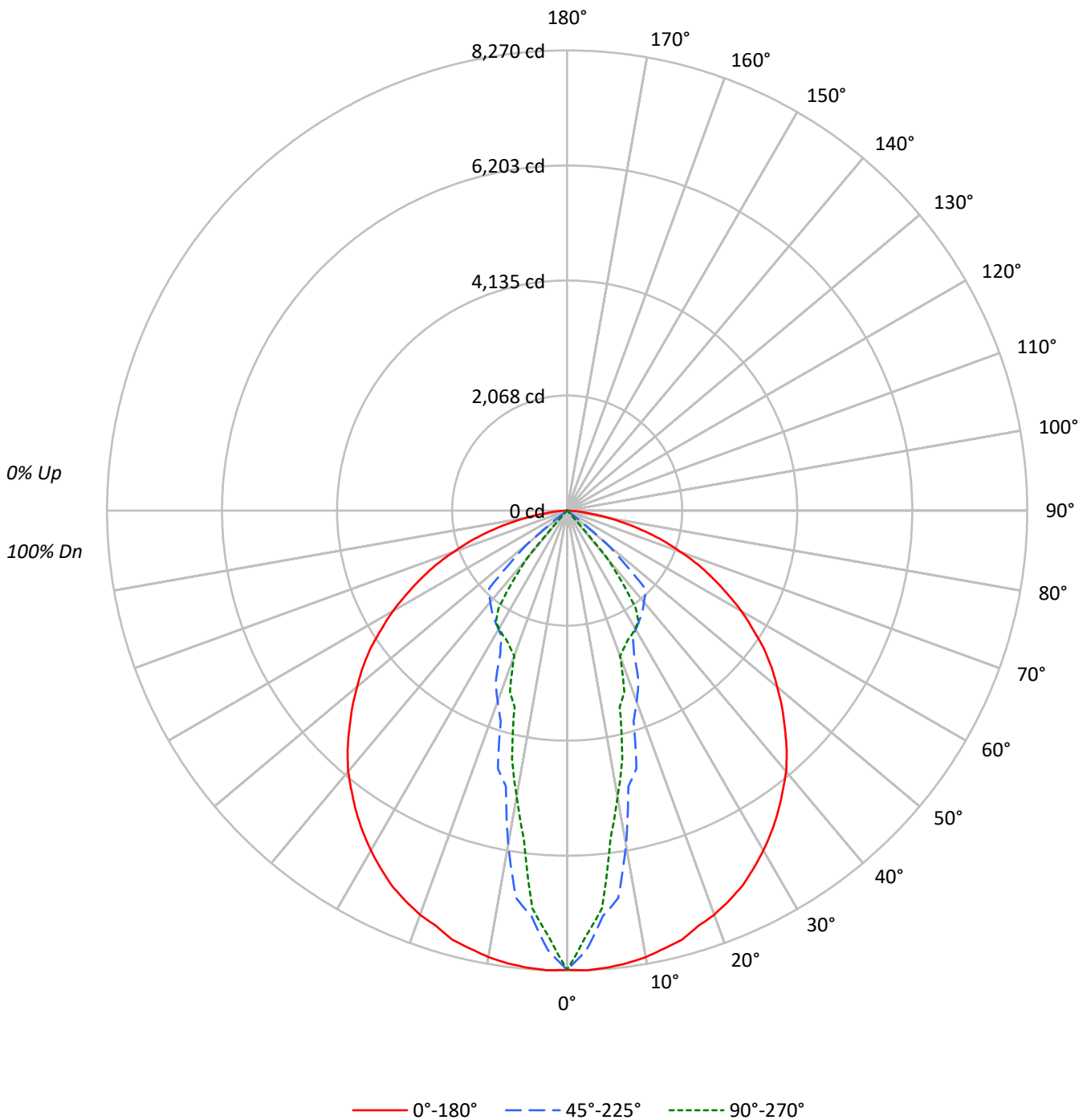
Input Watts (W): 69.18
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218498

CATALOG NUMBER: 8TSNLED-LD5-95SL-RM-UNV-L830-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P218498

CATALOG NUMBER: 8TSNLED-LD5-95SL-RM-UNV-L830-CD1-U

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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	93	91	89					89			
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79					79			
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70					70			
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62					62			
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56					56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51					51			
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46					46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43					43			
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39					39			
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36					36			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	66491	66491	66491
5°	66554	55690	53372
10°	66405	44213	36300
15°	66204	33547	24024
20°	65754	24767	17469
25°	65533	18935	15591
30°	64842	16190	14418
35°	64066	15112	12450
40°	63276	14069	6251
45°	61753	13092	24
50°	60257	6223	0
55°	58825	205	0
60°	56265	152	0
65°	52877	64	0
70°	48325	33	0
75°	41843	35	28
80°	30932	38	29
85°	16128	42	31



TEST NUMBER: P218498

CATALOG NUMBER: 8TSNLED-LD5-95SL-RM-UNV-L830-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	681.1	7.8
10°-20°	1468.2	16.8
20°-30°	1751.5	20.0
30°-40°	1863.7	21.3
40°-50°	1361.6	15.5
50°-60°	869.7	9.9
60°-70°	523.6	6.0
70°-80°	204.1	2.3
80°-90°	41.4	0.5
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°	3900.8	44.5
0°-40°	5764.5	65.8
0°-60°	7995.9	91.2
0°-90°	8764.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8764.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8253	8253	8253	8253	8253	
5°	8244	7842	7321	7189	7177	784
15°	7982	6808	4800	3741	3652	2248
25°	7444	4745	2847	2593	2572	3425
35°	6609	3135	2313	2313	2152	4134
45°	5533	2029	1978	8	4	4274
55°	4313	1601	30	4	0	3839
65°	2898	652	8	4	0	2867
75°	1449	34	4	4	4	1531
85°	216	4	4	4	4	301
90°	0	0	0	0	0	



TEST NUMBER: P218498

CATALOG NUMBER: 8TSNLED-LD5-95SL-RM-UNV-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8252.7	8252.7	8252.7	8252.7	8252.7
2.5°	8269.6	8214.6	7909.5	7782.4	7659.6
5°	8244.2	7841.7	7320.7	7189.3	7176.6
7.5°	8206.1	7464.7	7024.1	6270.0	5952.3
10°	8146.8	7219.0	6092.1	5456.6	5219.4
12.5°	8062.0	6854.6	5079.6	4715.2	4575.4
15°	7981.5	6808.0	4799.9	3740.8	3651.9
17.5°	7829.0	5859.1	3965.4	3516.3	3414.6
20°	7727.4	5426.9	3647.6	3050.3	2779.1
22.5°	7591.8	5172.8	3355.3	2774.9	2669.0
25°	7443.5	4744.9	2846.9	2592.7	2571.6
27.5°	7252.9	4172.9	2550.4	2524.9	2516.5
30°	7053.8	3541.7	2465.6	2457.2	2444.5
32.5°	6837.7	3291.8	2389.4	2389.4	2376.7
35°	6608.9	3135.0	2313.1	2313.1	2152.1
37.5°	6363.2	2935.9	2236.9	2236.9	1618.3
40°	6121.7	2516.5	2147.9	1491.2	1093.0
42.5°	5842.1	2173.3	2071.6	1042.2	8.5
45°	5532.9	2029.3	1978.4	8.5	4.2
47.5°	5240.5	1927.6	1347.2	4.2	0.0
50°	4927.0	1817.5	923.6	4.2	0.0
52.5°	4630.5	1715.8	42.4	4.2	0.0
55°	4312.7	1601.4	29.7	4.2	0.0
57.5°	3952.6	1491.2	25.4	4.2	0.0
60°	3618.0	1372.6	21.2	4.2	0.0
62.5°	3249.4	1165.0	12.7	4.2	0.0
65°	2897.8	652.4	8.5	4.2	0.0
67.5°	2550.4	105.9	8.5	4.2	0.0
70°	2169.1	72.0	4.2	4.2	0.0
72.5°	1817.5	55.1	4.2	4.2	4.2
75°	1448.9	33.9	4.2	4.2	4.2
77.5°	1084.5	21.2	4.2	4.2	4.2
80°	745.6	12.7	4.2	4.2	4.2
82.5°	449.1	4.2	4.2	4.2	4.2
85°	216.1	4.2	4.2	4.2	4.2
87.5°	67.8	4.2	4.2	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)