

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: P218490

Luminaire Tested: **8TSNLED-LD5-78SL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218490
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-LD5-78SL-RM-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7287.0 lumens
Efficiency: N/A
Efficacy: 131.6 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

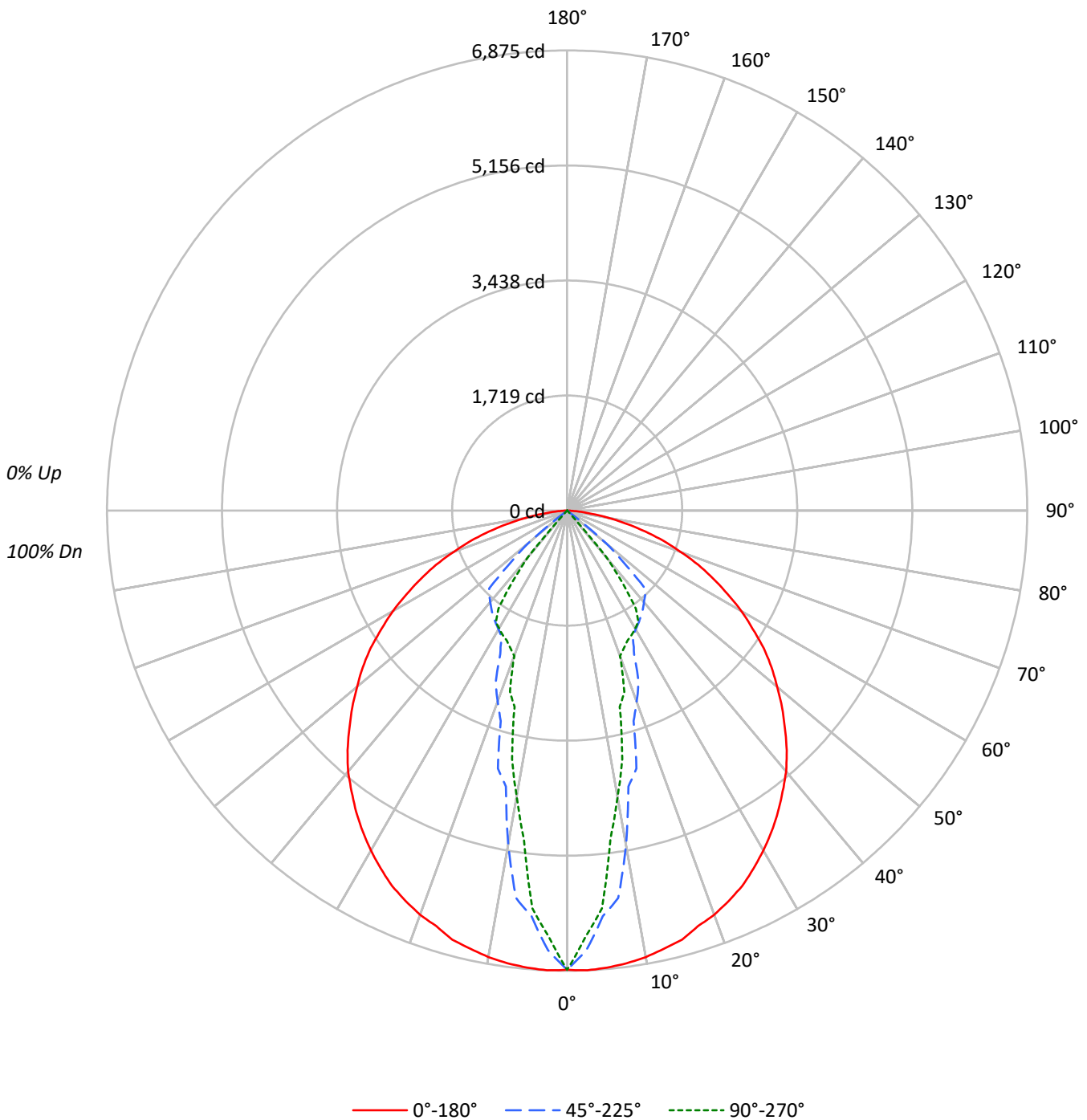
Input Watts (W): 55.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	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°	55279	55279	55279
5°	55331	46299	44373
10°	55207	36757	30178
15°	55041	27891	19973
20°	54666	20590	14524
25°	54483	15742	12961
30°	53907	13461	11987
35°	53263	12564	10350
40°	52607	11696	5197
45°	51340	10884	20
50°	50096	5173	0
55°	48906	171	0
60°	46777	126	0
65°	43959	52	0
70°	40175	28	0
75°	34788	29	23
80°	25717	32	24
85°	13404	35	26



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	566.2	7.8
10°-20°	1220.6	16.8
20°-30°	1456.2	20.0
30°-40°	1549.4	21.3
40°-50°	1132.0	15.5
50°-60°	723.1	9.9
60°-70°	435.3	6.0
70°-80°	169.7	2.3
80°-90°	34.4	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°	3243.1	44.5
0°-40°	4792.5	65.8
0°-60°	6647.6	91.2
0°-90°	7287.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7287.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6861	6861	6861	6861	6861	
5°	6854	6519	6086	5977	5966	652
15°	6636	5660	3991	3110	3036	1869
25°	6188	3945	2367	2156	2138	2848
35°	5494	2606	1923	1923	1789	3437
45°	4600	1687	1645	7	4	3553
55°	3586	1331	25	4	0	3192
65°	2409	542	7	4	0	2384
75°	1205	28	4	4	4	1273
85°	180	4	4	4	4	250
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6861.1	6861.1	6861.1	6861.1	6861.1
2.5°	6875.2	6829.4	6575.8	6470.1	6368.0
5°	6854.0	6519.4	6086.2	5977.0	5966.5
7.5°	6822.3	6206.0	5839.7	5212.7	4948.6
10°	6773.0	6001.7	5064.8	4536.5	4339.2
12.5°	6702.6	5698.8	4223.0	3920.1	3803.9
15°	6635.7	5660.0	3990.6	3110.0	3036.1
17.5°	6508.9	4871.1	3296.7	2923.4	2838.8
20°	6424.3	4511.8	3032.5	2535.9	2310.5
22.5°	6311.6	4300.5	2789.5	2307.0	2218.9
25°	6188.4	3944.8	2366.9	2155.5	2137.9
27.5°	6029.9	3469.3	2120.3	2099.2	2092.1
30°	5864.3	2944.5	2049.9	2042.8	2032.3
32.5°	5684.7	2736.7	1986.5	1986.5	1975.9
35°	5494.5	2606.4	1923.1	1923.1	1789.2
37.5°	5290.2	2440.8	1859.7	1859.7	1345.4
40°	5089.5	2092.1	1785.7	1239.8	908.7
42.5°	4857.0	1806.8	1722.3	866.4	7.0
45°	4599.9	1687.1	1644.8	7.0	3.5
47.5°	4356.9	1602.6	1120.0	3.5	0.0
50°	4096.2	1511.0	767.8	3.5	0.0
52.5°	3849.7	1426.5	35.2	3.5	0.0
55°	3585.5	1331.4	24.7	3.5	0.0
57.5°	3286.1	1239.8	21.1	3.5	0.0
60°	3007.9	1141.2	17.6	3.5	0.0
62.5°	2701.5	968.6	10.6	3.5	0.0
65°	2409.1	542.4	7.0	3.5	0.0
67.5°	2120.3	88.1	7.0	3.5	0.0
70°	1803.3	59.9	3.5	3.5	0.0
72.5°	1511.0	45.8	3.5	3.5	3.5
75°	1204.6	28.2	3.5	3.5	3.5
77.5°	901.7	17.6	3.5	3.5	3.5
80°	619.9	10.6	3.5	3.5	3.5
82.5°	373.3	3.5	3.5	3.5	3.5
85°	179.6	3.5	3.5	3.5	3.5
87.5°	56.4	3.5	3.5	3.5	3.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)