

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: P218491

Luminaire Tested: **8TSNLED-LD5-78SL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218491  
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-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7740.9 lumens  
Efficiency: N/A  
Efficacy: 139.8 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

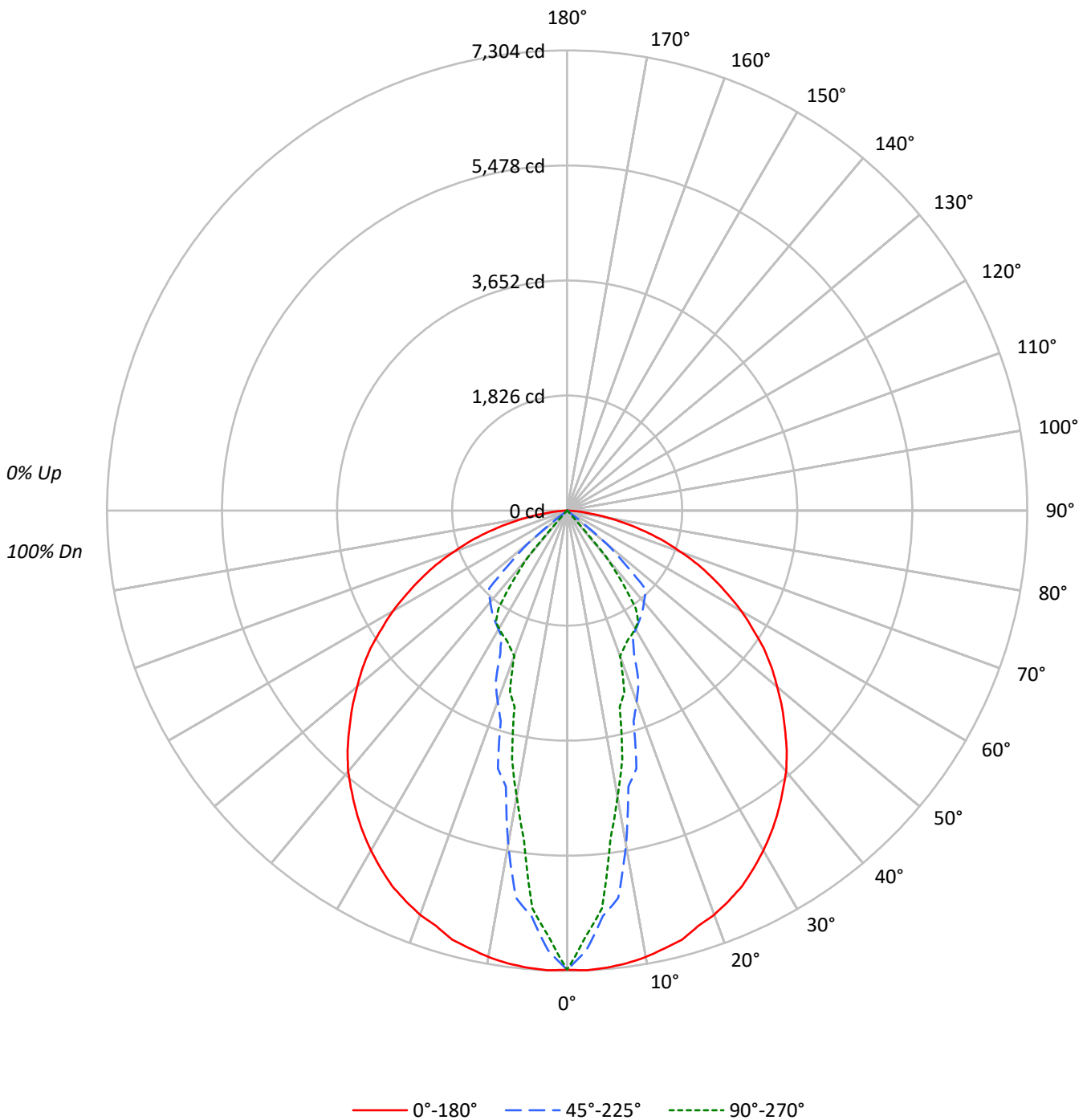
Input Watts (W): 55.38  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	58722	58722	58722
5°	58779	49183	47137
10°	58647	39047	32059
15°	58470	29628	21217
20°	58072	21874	15429
25°	57877	16722	13769
30°	57266	14299	12733
35°	56581	13347	10995
40°	55884	12425	5520
45°	54539	11562	21
50°	53217	5496	0
55°	51953	181	0
60°	49691	134	0
65°	46698	56	0
70°	42680	29	0
75°	36954	31	24
80°	27319	34	26
85°	14240	37	28



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	601.5	7.8
10°-20°	1296.7	16.8
20°-30°	1546.9	20.0
30°-40°	1646.0	21.3
40°-50°	1202.6	15.5
50°-60°	768.1	9.9
60°-70°	462.4	6.0
70°-80°	180.2	2.3
80°-90°	36.5	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°	3445.1	44.5
0°-40°	5091.1	65.8
0°-60°	7061.7	91.2
0°-90°	7740.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7740.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7288	7288	7288	7288	7288	
5°	7281	6926	6465	6349	6338	692
15°	7049	6013	4239	3304	3225	1985
25°	6574	4190	2514	2290	2271	3025
35°	5837	2769	2043	2043	1901	3651
45°	4886	1792	1747	8	4	3775
55°	3809	1414	26	4	0	3391
65°	2559	576	8	4	0	2532
75°	1280	30	4	4	4	1352
85°	191	4	4	4	4	265
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7288.5	7288.5	7288.5	7288.5	7288.5
2.5°	7303.5	7254.9	6985.5	6873.2	6764.7
5°	7281.1	6925.6	6465.4	6349.4	6338.2
7.5°	7247.4	6592.6	6203.5	5537.5	5256.9
10°	7195.0	6375.6	5380.3	4819.1	4609.6
12.5°	7120.2	6053.8	4486.1	4164.3	4040.9
15°	7049.1	6012.7	4239.2	3303.8	3225.2
17.5°	6914.4	5174.6	3502.1	3105.5	3015.7
20°	6824.6	4792.9	3221.5	2693.9	2454.5
22.5°	6704.9	4568.4	2963.3	2450.7	2357.2
25°	6573.9	4190.5	2514.3	2289.8	2271.1
27.5°	6405.5	3685.4	2252.4	2230.0	2222.5
30°	6229.7	3127.9	2177.6	2170.1	2158.9
32.5°	6038.9	2907.2	2110.2	2110.2	2099.0
35°	5836.8	2768.7	2042.9	2042.9	1900.7
37.5°	5619.8	2592.9	1975.5	1975.5	1429.3
40°	5406.5	2222.5	1897.0	1317.0	965.3
42.5°	5159.6	1919.4	1829.6	920.4	7.5
45°	4886.5	1792.2	1747.3	7.5	3.7
47.5°	4628.3	1702.4	1189.8	3.7	0.0
50°	4351.4	1605.1	815.7	3.7	0.0
52.5°	4089.5	1515.3	37.4	3.7	0.0
55°	3808.9	1414.3	26.2	3.7	0.0
57.5°	3490.9	1317.0	22.4	3.7	0.0
60°	3195.3	1212.3	18.7	3.7	0.0
62.5°	2869.8	1028.9	11.2	3.7	0.0
65°	2559.2	576.2	7.5	3.7	0.0
67.5°	2252.4	93.5	7.5	3.7	0.0
70°	1915.7	63.6	3.7	3.7	0.0
72.5°	1605.1	48.6	3.7	3.7	3.7
75°	1279.6	29.9	3.7	3.7	3.7
77.5°	957.8	18.7	3.7	3.7	3.7
80°	658.5	11.2	3.7	3.7	3.7
82.5°	396.6	3.7	3.7	3.7	3.7
85°	190.8	3.7	3.7	3.7	3.7
87.5°	59.9	3.7	3.7	3.7	3.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)