

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: P218133

Luminaire Tested: **8TSNLED-LD5-75SL-LC-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218133
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-75SL-LC-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7984.0 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

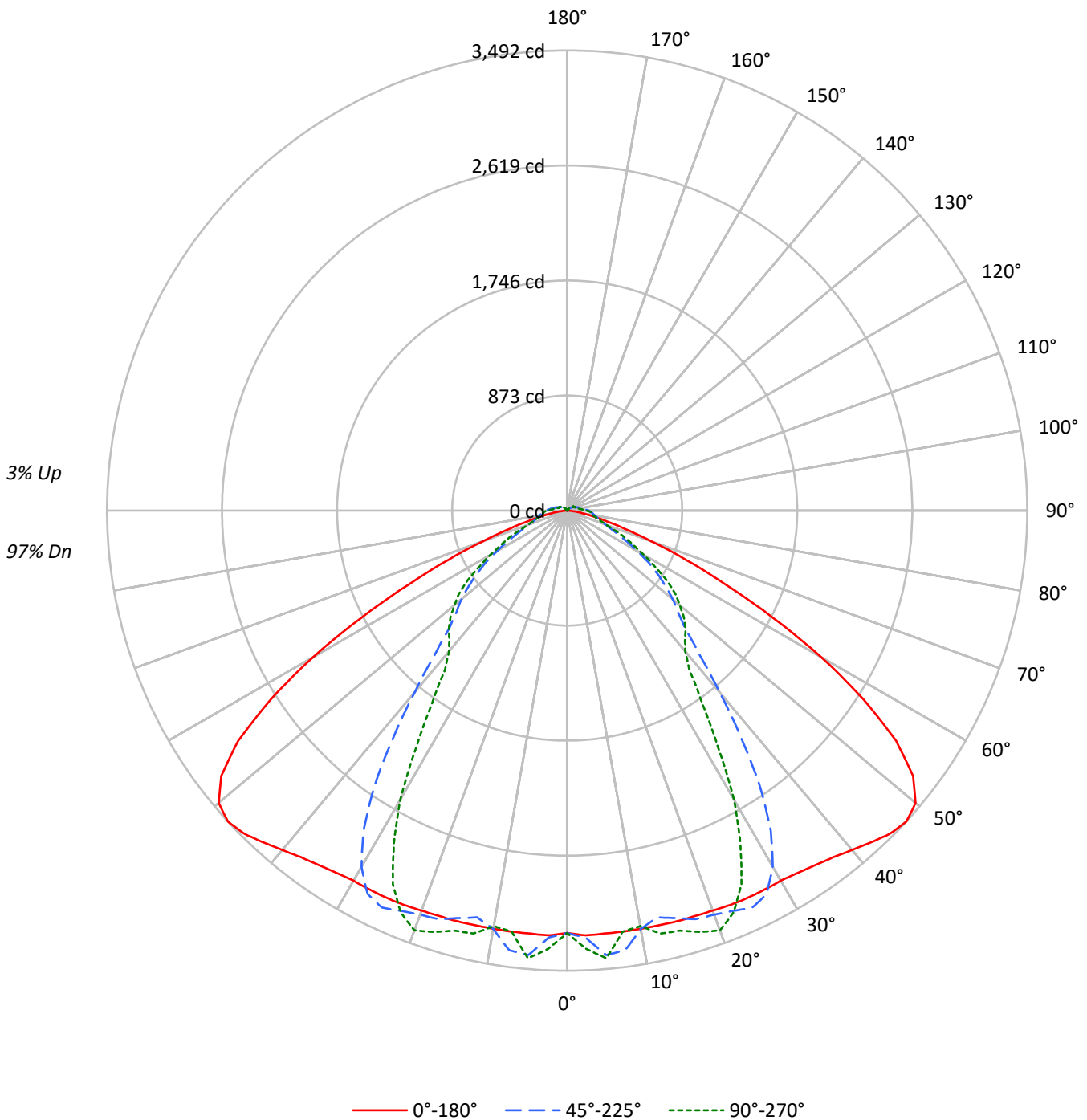
Input Watts (W): 55.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97	
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	89	87	85	83	
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	80	77	74	72	
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	72	68	64	62	
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	56	65	60	56	54	
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	59	54	50	48	
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	54	49	45	43	
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	50	44	40	38	
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	46	40	36	34	
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	43	37	33	31	
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	40	34	30	28	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25830	25830	25830
5°	26014	25756	25361
10°	26266	23386	22269
15°	26762	22379	21709
20°	27489	22157	21308
25°	28550	22111	18966
30°	29809	20489	14934
35°	31831	16650	10348
40°	34743	11770	7965
45°	38700	8378	7236
50°	42207	7044	6376
55°	41557	5790	5316
60°	34678	4387	3975
65°	24145	3178	2922
70°	15194	2419	2003
75°	8727	2065	1585
80°	5082	1935	1363
85°	2441	1878	1367



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.1	3.9
10°-20°	928.2	11.6
20°-30°	1474.8	18.5
30°-40°	1590.2	19.9
40°-50°	1370.6	17.2
50°-60°	1037.6	13.0
60°-70°	560.6	7.0
70°-80°	266.2	3.3
80°-90°	167.2	2.1
90°-100°	106.4	1.3
100°-110°	68.1	0.9
110°-120°	45.6	0.6
120°-130°	30.1	0.4
130°-140°	14.7	0.2
140°-150°	6.3	0.1
150°-160°	2.3	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	2718.1	34.0
0°-40°	4308.3	54.0
0°-60°	6716.5	84.1
0°-90°	7710.5	96.6
90°-120°	220.0	2.8
90°-150°	271.1	3.4
90°-180°	274.0	3.4
0°-180°	7984.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3206	3206	3206	3206	3206	
5°	3222	3292	3386	3431	3410	308
15°	3226	3312	3202	3312	3300	914
25°	3243	3182	3324	3235	3128	1500
35°	3284	3161	2548	1948	1789	2068
45°	3467	2173	1266	1254	1270	2669
55°	3047	939	837	915	919	2650
65°	1323	400	425	478	482	1359
75°	302	208	245	245	241	356
85°	33	127	188	188	184	47
90°	0	98	163	159	147	2
95°	0	78	131	118	110	0
105°	0	49	90	82	74	0
115°	0	29	61	61	61	0
125°	0	16	41	53	49	0
135°	0	8	24	29	29	0
145°	0	4	12	16	12	0
155°	0	4	4	8	4	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3206.0	3206.0	3206.0	3206.0	3206.0
2.5°	3226.4	3230.5	3242.8	3304.0	3328.5
5°	3222.4	3291.8	3385.7	3430.6	3410.2
7.5°	3222.4	3365.3	3365.3	3279.5	3222.4
10°	3222.4	3406.1	3222.4	3206.0	3201.9
12.5°	3222.4	3381.6	3161.1	3275.4	3287.7
15°	3226.4	3312.2	3201.9	3312.2	3300.0
17.5°	3226.4	3230.5	3250.9	3336.7	3353.0
20°	3230.5	3177.4	3263.2	3402.1	3389.8
22.5°	3238.7	3169.3	3287.7	3373.5	3300.0
25°	3242.8	3181.5	3324.5	3234.6	3128.4
27.5°	3242.8	3197.9	3279.5	3022.2	2846.6
30°	3242.8	3206.0	3120.3	2728.2	2532.1
32.5°	3259.1	3197.9	2875.2	2344.3	2131.9
35°	3283.6	3161.1	2548.5	1948.1	1788.8
37.5°	3316.3	3063.1	2164.6	1629.6	1523.4
40°	3361.2	2850.7	1797.0	1425.4	1392.7
42.5°	3414.3	2540.3	1494.8	1323.2	1323.2
45°	3467.4	2172.7	1266.1	1253.8	1270.2
47.5°	3491.9	1813.3	1139.5	1184.4	1200.7
50°	3451.1	1478.4	1045.5	1106.8	1115.0
52.5°	3308.1	1180.3	939.3	1012.9	1033.3
55°	3046.7	939.3	837.2	914.8	918.9
57.5°	2666.9	747.4	731.1	792.3	788.2
60°	2229.9	604.4	612.6	673.9	673.9
62.5°	1760.2	490.1	514.6	567.7	563.6
65°	1323.2	400.2	424.7	477.8	481.9
67.5°	976.1	330.8	359.4	396.2	388.0
70°	682.0	277.7	306.3	326.7	318.6
72.5°	453.3	236.9	269.6	277.7	273.6
75°	302.2	208.3	245.0	245.0	241.0
77.5°	196.0	183.8	228.7	224.6	216.5
80°	122.5	163.4	212.4	204.2	196.0
82.5°	73.5	142.9	200.1	192.0	183.8
85°	32.7	126.6	187.9	187.9	183.8
87.5°	12.3	114.4	175.6	179.7	171.5
90°	0.0	98.0	163.4	159.3	147.0
92.5°	0.0	89.9	147.0	134.8	126.6
95°	0.0	77.6	130.7	118.4	110.3
97.5°	0.0	69.4	118.4	106.2	98.0
100°	0.0	61.3	106.2	93.9	85.8
102.5°	0.0	53.1	98.0	85.8	81.7
105°	0.0	49.0	89.9	81.7	73.5
107.5°	0.0	44.9	81.7	73.5	69.4
110°	0.0	36.8	73.5	69.4	65.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	32.7	65.3	65.3	65.3
115°	0.0	28.6	61.3	61.3	61.3
117.5°	0.0	24.5	53.1	61.3	61.3
120°	0.0	24.5	49.0	57.2	57.2
122.5°	0.0	20.4	44.9	57.2	57.2
125°	0.0	16.3	40.8	53.1	49.0
127.5°	0.0	12.3	36.8	44.9	44.9
130°	0.0	12.3	32.7	40.8	36.8
132.5°	0.0	8.2	28.6	32.7	32.7
135°	0.0	8.2	24.5	28.6	28.6
137.5°	0.0	8.2	20.4	24.5	20.4
140°	0.0	4.1	16.3	20.4	16.3
142.5°	0.0	4.1	16.3	20.4	16.3
145°	0.0	4.1	12.3	16.3	12.3
147.5°	0.0	4.1	8.2	12.3	12.3
150°	0.0	4.1	8.2	12.3	8.2
152.5°	0.0	4.1	8.2	8.2	4.1
155°	0.0	4.1	4.1	8.2	4.1
157.5°	0.0	4.1	4.1	4.1	4.1
160°	4.1	4.1	4.1	4.1	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)