

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: P218149

Luminaire Tested: **8TSNLED-LD5-105SL-LC-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218149
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-LD5-105SL-LC-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11324.0 lumens
Efficiency: N/A
Efficacy: 132.2 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

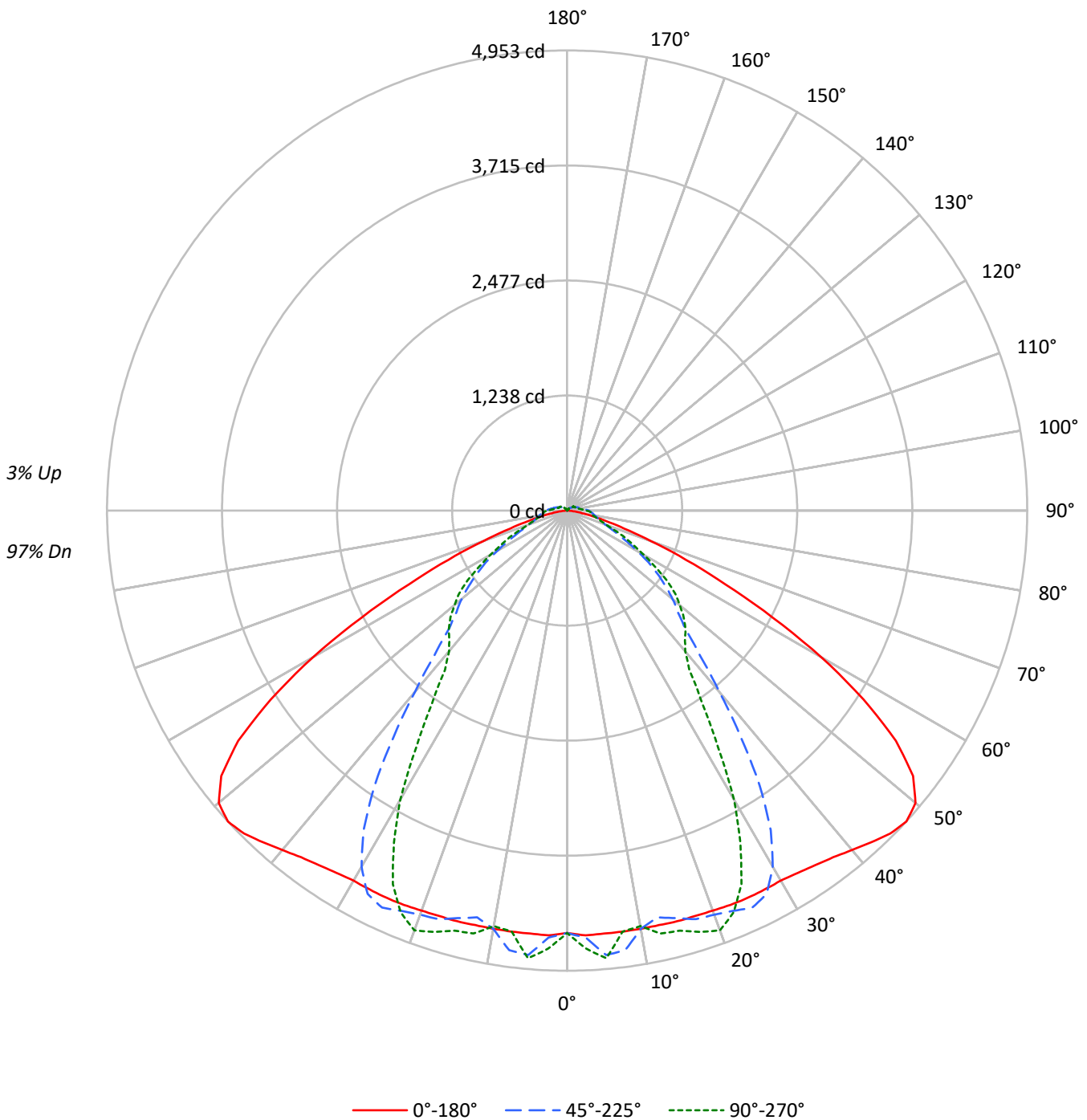
Input Watts (W): 85.64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	36636	36636	36636
5°	36896	36530	35971
10°	37254	33169	31585
15°	37958	31741	30789
20°	38989	31426	30222
25°	40492	31360	26901
30°	42279	29061	21182
35°	45147	23615	14677
40°	49277	16695	11296
45°	54889	11883	10263
50°	59863	9991	9044
55°	58943	8213	7539
60°	49186	6222	5637
65°	34246	4507	4144
70°	21553	3430	2840
75°	12381	2929	2248
80°	7210	2743	1933
85°	3456	2663	1939



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.9	3.9
10°-20°	1316.4	11.6
20°-30°	2091.8	18.5
30°-40°	2255.5	19.9
40°-50°	1944.0	17.2
50°-60°	1471.7	13.0
60°-70°	795.1	7.0
70°-80°	377.6	3.3
80°-90°	237.1	2.1
90°-100°	150.9	1.3
100°-110°	96.5	0.9
110°-120°	64.6	0.6
120°-130°	42.7	0.4
130°-140°	20.9	0.2
140°-150°	8.9	0.1
150°-160°	3.2	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	3855.2	34.0
0°-40°	6110.7	54.0
0°-60°	9526.3	84.1
0°-90°	10936.1	96.6
90°-120°	312.1	2.8
90°-150°	384.5	3.4
90°-180°	388.0	3.4
0°-180°	11324.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4547	4547	4547	4547	4547	
5°	4570	4669	4802	4866	4837	436
15°	4576	4698	4541	4698	4680	1297
25°	4599	4512	4715	4588	4437	2127
35°	4657	4484	3615	2763	2537	2934
45°	4918	3082	1796	1778	1802	3786
55°	4321	1332	1188	1298	1303	3759
65°	1877	568	602	678	684	1927
75°	429	295	348	348	342	505
85°	46	180	266	266	261	67
90°	0	139	232	226	208	2
95°	0	110	185	168	156	0
105°	0	70	127	116	104	0
115°	0	40	87	87	87	0
125°	0	23	58	75	70	0
135°	0	12	35	40	40	0
145°	0	6	17	23	17	0
155°	0	6	6	12	6	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P218149

CATALOG NUMBER: 8TSNLED-LD5-105SL-LC-UNV-L840-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4547.2	4547.2	4547.2	4547.2	4547.2
2.5°	4576.2	4582.0	4599.3	4686.2	4721.0
5°	4570.4	4668.9	4802.1	4865.8	4836.8
7.5°	4570.4	4773.1	4773.1	4651.5	4570.4
10°	4570.4	4831.1	4570.4	4547.2	4541.4
12.5°	4570.4	4796.3	4483.5	4645.7	4663.1
15°	4576.2	4697.8	4541.4	4697.8	4680.4
17.5°	4576.2	4582.0	4610.9	4732.6	4755.8
20°	4582.0	4506.7	4628.3	4825.3	4807.9
22.5°	4593.6	4495.1	4663.1	4784.7	4680.4
25°	4599.3	4512.5	4715.2	4587.8	4437.2
27.5°	4599.3	4535.6	4651.5	4286.5	4037.5
30°	4599.3	4547.2	4425.6	3869.5	3591.4
32.5°	4622.5	4535.6	4078.0	3325.0	3023.8
35°	4657.3	4483.5	3614.6	2763.1	2537.2
37.5°	4703.6	4344.5	3070.1	2311.3	2160.7
40°	4767.3	4043.3	2548.8	2021.6	1975.3
42.5°	4842.6	3603.0	2120.1	1876.8	1876.8
45°	4917.9	3081.7	1795.7	1778.3	1801.5
47.5°	4952.7	2571.9	1616.1	1679.9	1703.0
50°	4894.8	2096.9	1482.9	1569.8	1581.4
52.5°	4692.0	1674.1	1332.3	1436.6	1465.5
55°	4321.3	1332.3	1187.5	1297.5	1303.3
57.5°	3782.6	1060.1	1036.9	1123.8	1118.0
60°	3162.8	857.3	868.9	955.8	955.8
62.5°	2496.6	695.1	729.9	805.2	799.4
65°	1876.8	567.7	602.4	677.7	683.5
67.5°	1384.4	469.2	509.8	561.9	550.3
70°	967.4	393.9	434.4	463.4	451.8
72.5°	643.0	336.0	382.3	393.9	388.1
75°	428.7	295.4	347.6	347.6	341.8
77.5°	278.0	260.7	324.4	318.6	307.0
80°	173.8	231.7	301.2	289.6	278.0
82.5°	104.3	202.7	283.8	272.3	260.7
85°	46.3	179.6	266.5	266.5	260.7
87.5°	17.4	162.2	249.1	254.9	243.3
90°	0.0	139.0	231.7	225.9	208.5
92.5°	0.0	127.4	208.5	191.2	179.6
95°	0.0	110.1	185.4	168.0	156.4
97.5°	0.0	98.5	168.0	150.6	139.0
100°	0.0	86.9	150.6	133.2	121.6
102.5°	0.0	75.3	139.0	121.6	115.9
105°	0.0	69.5	127.4	115.9	104.3
107.5°	0.0	63.7	115.9	104.3	98.5
110°	0.0	52.1	104.3	98.5	92.7



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CATALOG NUMBER: 8TSNLED-LD5-105SL-LC-UNV-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	46.3	92.7	92.7	92.7
115°	0.0	40.5	86.9	86.9	86.9
117.5°	0.0	34.8	75.3	86.9	86.9
120°	0.0	34.8	69.5	81.1	81.1
122.5°	0.0	29.0	63.7	81.1	81.1
125°	0.0	23.2	57.9	75.3	69.5
127.5°	0.0	17.4	52.1	63.7	63.7
130°	0.0	17.4	46.3	57.9	52.1
132.5°	0.0	11.6	40.5	46.3	46.3
135°	0.0	11.6	34.8	40.5	40.5
137.5°	0.0	11.6	29.0	34.8	29.0
140°	0.0	5.8	23.2	29.0	23.2
142.5°	0.0	5.8	23.2	29.0	23.2
145°	0.0	5.8	17.4	23.2	17.4
147.5°	0.0	5.8	11.6	17.4	17.4
150°	0.0	5.8	11.6	17.4	11.6
152.5°	0.0	5.8	11.6	11.6	5.8
155°	0.0	5.8	5.8	11.6	5.8
157.5°	0.0	5.8	5.8	5.8	5.8
160°	5.8	5.8	5.8	5.8	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)