

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: P218375

Luminaire Tested: **8TSNLED-LD5-74SL-LW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218375
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35687)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-74SL-LW-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7164.0 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

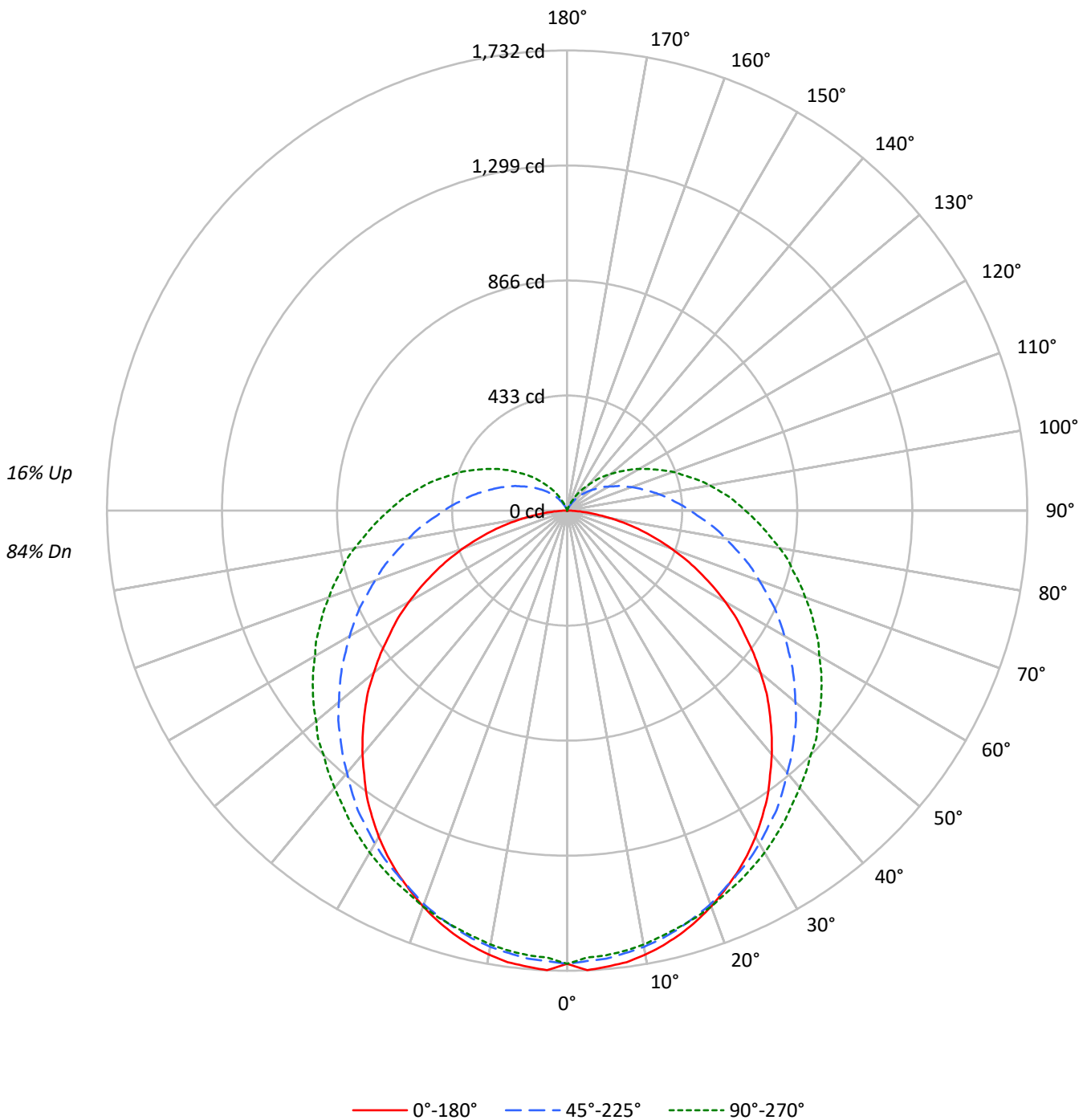
Input Watts (W): 61.16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	115	115	115	115	111	111	111	111	102	102	102	95	95	95	88	88	88	84
1	102	96	91	86	98	93	88	83	85	81	78	79	76	73	73	70	68	64
2	92	83	75	68	88	79	72	66	73	67	62	67	63	58	62	58	55	52
3	83	72	63	56	79	69	61	54	64	57	51	59	53	48	54	49	45	42
4	76	63	54	46	72	61	52	45	56	49	43	52	46	41	48	43	38	36
5	70	56	46	39	66	54	45	39	50	42	37	46	40	35	43	37	33	30
6	64	50	41	34	61	48	40	33	45	37	32	42	35	30	39	33	29	26
7	59	45	36	30	57	44	35	29	41	33	28	38	31	27	35	30	25	23
8	55	41	32	26	53	40	32	26	37	30	25	35	28	24	32	27	23	21
9	51	38	29	24	49	36	29	23	34	27	22	32	26	21	30	24	20	18
10	48	35	27	21	46	34	26	21	32	25	20	30	24	19	28	22	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13743	13743	13743
5°	13909	12877	12493
10°	13833	12098	11534
15°	13684	11381	10684
20°	13491	10706	9966
25°	13277	10059	9325
30°	13033	9508	8768
35°	12745	8983	8252
40°	12390	8442	7789
45°	12036	7989	7392
50°	11612	7556	7052
55°	11134	7161	6760
60°	10690	6768	6462
65°	10034	6429	6226
70°	9286	6073	5996
75°	8314	5793	5794
80°	6775	5518	5647
85°	4806	5324	5496



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.5	2.3
10°-20°	461.9	6.4
20°-30°	702.1	9.8
30°-40°	859.3	12.0
40°-50°	927.7	12.9
50°-60°	910.8	12.7
60°-70°	820.3	11.5
70°-80°	679.3	9.5
80°-90°	522.4	7.3
90°-100°	393.8	5.5
100°-110°	289.8	4.0
110°-120°	199.9	2.8
120°-130°	126.8	1.8
130°-140°	70.2	1.0
140°-150°	30.4	0.4
150°-160°	7.6	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1325.6	18.5
0°-40°	2184.9	30.5
0°-60°	4023.4	56.2
0°-90°	6045.3	84.4
90°-120°	883.5	12.3
90°-150°	1110.9	15.5
90°-180°	1119.0	15.6
0°-180°	7164.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1706	1706	1706	1706	1706	
5°	1723	1714	1693	1693	1680	164
15°	1650	1646	1628	1637	1624	465
25°	1508	1508	1512	1542	1538	695
35°	1315	1328	1375	1418	1426	821
45°	1078	1126	1207	1280	1298	832
55°	816	907	1035	1139	1169	733
65°	550	674	859	988	1027	546
75°	288	460	687	834	881	305
85°	64	284	533	692	739	74
90°	0	219	464	623	670	4
95°	4	172	404	558	610	1
105°	0	107	301	438	481	0
115°	0	69	219	331	365	0
125°	0	43	150	236	262	0
135°	0	26	94	155	172	0
145°	0	9	47	86	94	0
155°	0	4	13	26	30	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°	1705.7	1705.7	1705.7	1705.7	1705.7
2.5°	1731.5	1718.6	1697.1	1697.1	1684.2
5°	1722.9	1714.3	1692.8	1692.8	1679.9
7.5°	1714.3	1705.7	1679.9	1684.2	1671.3
10°	1697.1	1688.5	1667.0	1671.3	1658.4
12.5°	1675.6	1667.0	1649.8	1654.1	1641.2
15°	1649.8	1645.5	1628.4	1637.0	1624.1
17.5°	1619.8	1615.5	1602.6	1615.5	1606.9
20°	1585.4	1585.4	1576.8	1594.0	1585.4
22.5°	1546.7	1546.7	1542.4	1568.2	1559.6
25°	1508.1	1508.1	1512.4	1542.4	1538.1
27.5°	1465.1	1469.4	1482.3	1516.7	1512.4
30°	1417.8	1426.4	1447.9	1486.6	1486.6
32.5°	1366.3	1374.9	1409.2	1456.5	1456.5
35°	1314.7	1327.6	1374.9	1417.8	1426.4
37.5°	1254.6	1276.0	1331.9	1383.5	1392.1
40°	1198.7	1228.8	1288.9	1349.1	1362.0
42.5°	1138.6	1177.2	1250.3	1319.0	1331.9
45°	1078.4	1125.7	1207.3	1280.3	1297.5
47.5°	1018.3	1069.8	1168.6	1246.0	1271.8
50°	949.5	1014.0	1121.4	1211.6	1233.1
52.5°	885.1	958.1	1078.4	1172.9	1203.0
55°	816.3	906.6	1035.4	1138.6	1168.6
57.5°	756.2	846.4	988.2	1104.2	1134.3
60°	687.4	786.3	945.2	1061.2	1095.6
62.5°	618.7	734.7	902.3	1026.9	1065.5
65°	549.9	674.5	859.3	988.2	1026.9
67.5°	485.5	618.7	812.0	949.5	992.5
70°	416.8	562.8	769.1	910.8	953.8
72.5°	352.3	511.3	730.4	872.2	919.4
75°	287.9	459.7	687.4	833.5	880.8
77.5°	227.7	412.5	644.5	799.1	850.7
80°	163.3	365.2	605.8	760.5	812.0
82.5°	111.7	322.2	571.4	726.1	773.4
85°	64.4	283.6	532.8	691.7	739.0
87.5°	25.8	249.2	494.1	653.1	704.6
90°	0.0	219.1	464.0	623.0	670.2
92.5°	0.0	193.3	433.9	588.6	640.2
95°	4.3	171.9	403.9	558.5	610.1
97.5°	0.0	150.4	378.1	528.5	575.7
100°	0.0	137.5	352.3	498.4	545.7
102.5°	0.0	120.3	326.5	468.3	515.6
105°	0.0	107.4	300.8	438.2	481.2
107.5°	0.0	98.8	279.3	412.5	451.1
110°	0.0	85.9	257.8	386.7	425.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	77.3	236.3	356.6	395.3
115°	0.0	68.7	219.1	330.8	365.2
117.5°	0.0	64.4	197.6	305.0	339.4
120°	0.0	55.9	180.5	283.6	313.6
122.5°	0.0	51.6	167.6	257.8	287.9
125°	0.0	43.0	150.4	236.3	262.1
127.5°	0.0	38.7	133.2	214.8	236.3
130°	0.0	34.4	120.3	193.3	214.8
132.5°	0.0	30.1	107.4	171.9	193.3
135°	0.0	25.8	94.5	154.7	171.9
137.5°	0.0	21.5	81.6	133.2	150.4
140°	0.0	17.2	68.7	116.0	128.9
142.5°	0.0	12.9	60.2	98.8	111.7
145°	0.0	8.6	47.3	85.9	94.5
147.5°	0.0	8.6	38.7	68.7	77.3
150°	0.0	4.3	25.8	55.9	60.2
152.5°	0.0	4.3	21.5	43.0	43.0
155°	0.0	4.3	12.9	25.8	30.1
157.5°	0.0	0.0	8.6	17.2	17.2
160°	0.0	0.0	4.3	8.6	12.9
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)