

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: P218353

Luminaire Tested: **4SNLED-LD5-56SL-LW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218353
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: 4SNLED-LD5-56SL-LW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5776.0 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

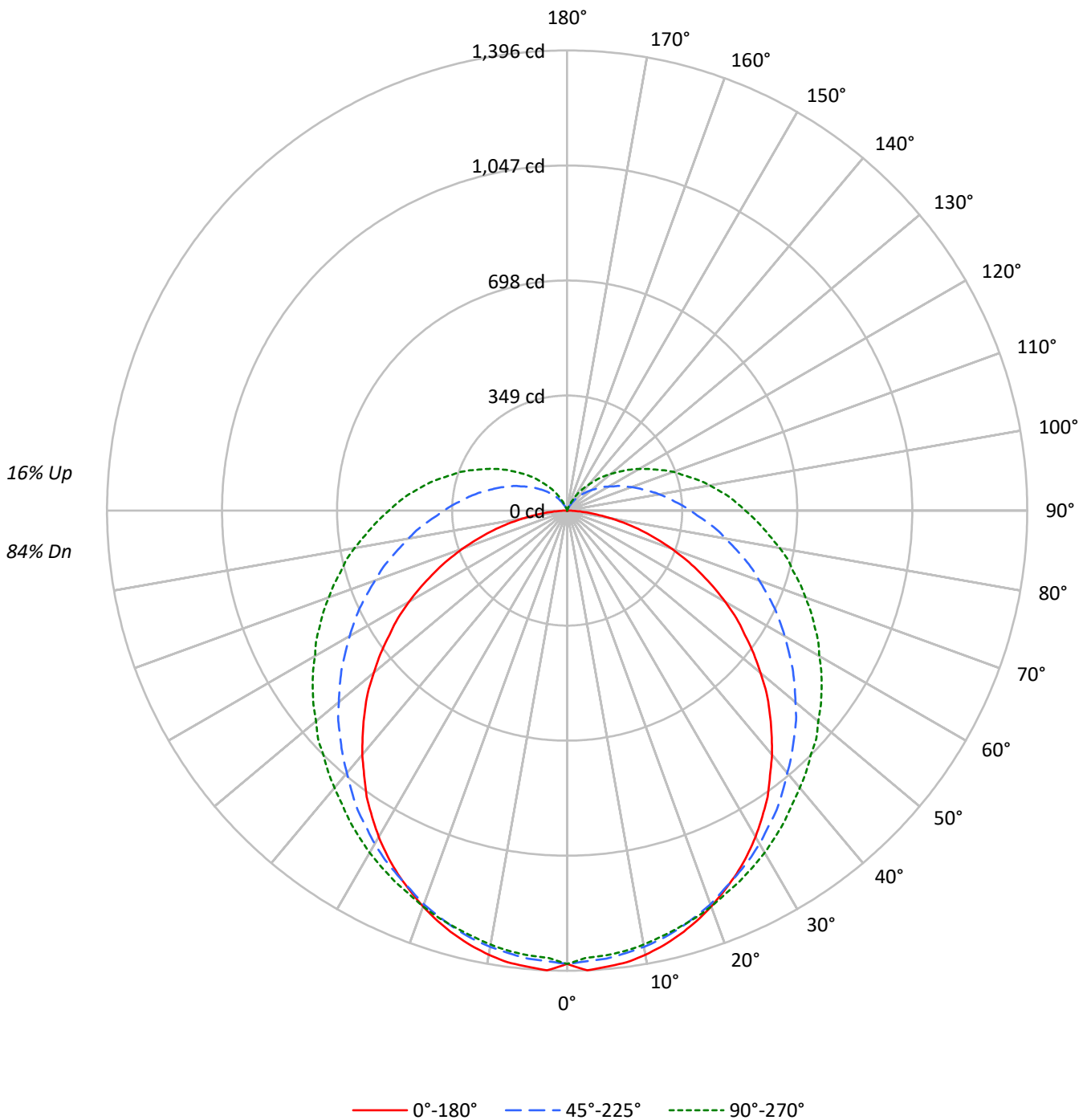
Input Watts (W): 51.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	65
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°	22159	22159	22159
5°	22387	20739	20145
10°	22225	19463	18599
15°	21945	18292	17227
20°	21590	17191	16069
25°	21205	16136	15037
30°	20768	15240	14139
35°	20259	14386	13306
40°	19642	13509	12560
45°	19020	12773	11919
50°	18283	12069	11371
55°	17451	11429	10901
60°	16656	10792	10419
65°	15517	10240	10039
70°	14201	9661	9668
75°	12502	9203	9343
80°	9874	8753	9107
85°	6508	8430	8862



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.2	2.3
10°-20°	372.4	6.4
20°-30°	566.1	9.8
30°-40°	692.8	12.0
40°-50°	748.0	12.9
50°-60°	734.3	12.7
60°-70°	661.4	11.5
70°-80°	547.6	9.5
80°-90°	421.2	7.3
90°-100°	317.5	5.5
100°-110°	233.6	4.0
110°-120°	161.2	2.8
120°-130°	102.2	1.8
130°-140°	56.6	1.0
140°-150°	24.5	0.4
150°-160°	6.1	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1068.7	18.5
0°-40°	1761.5	30.5
0°-60°	3243.9	56.2
0°-90°	4874.1	84.4
90°-120°	712.3	12.3
90°-150°	895.6	15.5
90°-180°	902.0	15.6
0°-180°	5776.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1375	1375	1375	1375	1375	
5°	1389	1382	1365	1365	1354	132
15°	1330	1327	1313	1320	1309	375
25°	1216	1216	1219	1244	1240	560
35°	1060	1070	1108	1143	1150	662
45°	870	908	973	1032	1046	671
55°	658	731	835	918	942	591
65°	443	544	693	797	828	440
75°	232	371	554	672	710	246
85°	52	229	430	558	596	59
90°	0	177	374	502	540	3
95°	4	139	326	450	492	1
105°	0	87	242	353	388	0
115°	0	55	177	267	294	0
125°	0	35	121	190	211	0
135°	0	21	76	125	139	0
145°	0	7	38	69	76	0
155°	0	4	10	21	24	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°	1375.2	1375.2	1375.2	1375.2	1375.2
2.5°	1396.0	1385.6	1368.3	1368.3	1357.9
5°	1389.1	1382.2	1364.8	1364.8	1354.4
7.5°	1382.2	1375.2	1354.4	1357.9	1347.5
10°	1368.3	1361.4	1344.0	1347.5	1337.1
12.5°	1351.0	1344.0	1330.2	1333.7	1323.3
15°	1330.2	1326.7	1312.9	1319.8	1309.4
17.5°	1305.9	1302.5	1292.1	1302.5	1295.5
20°	1278.2	1278.2	1271.3	1285.2	1278.2
22.5°	1247.1	1247.1	1243.6	1264.4	1257.4
25°	1215.9	1215.9	1219.3	1243.6	1240.1
27.5°	1181.2	1184.7	1195.1	1222.8	1219.3
30°	1143.1	1150.1	1167.4	1198.6	1198.6
32.5°	1101.6	1108.5	1136.2	1174.3	1174.3
35°	1060.0	1070.4	1108.5	1143.1	1150.1
37.5°	1011.5	1028.8	1073.9	1115.4	1122.3
40°	966.5	990.7	1039.2	1087.7	1098.1
42.5°	918.0	949.1	1008.0	1063.5	1073.9
45°	869.5	907.6	973.4	1032.3	1046.1
47.5°	821.0	862.5	942.2	1004.6	1025.4
50°	765.6	817.5	904.1	976.9	994.2
52.5°	713.6	772.5	869.5	945.7	969.9
55°	658.2	730.9	834.8	918.0	942.2
57.5°	609.7	682.4	796.7	890.3	914.5
60°	554.2	633.9	762.1	855.6	883.3
62.5°	498.8	592.4	727.4	827.9	859.1
65°	443.4	543.9	692.8	796.7	827.9
67.5°	391.4	498.8	654.7	765.6	800.2
70°	336.0	453.8	620.1	734.4	769.0
72.5°	284.1	412.2	588.9	703.2	741.3
75°	232.1	370.7	554.2	672.0	710.1
77.5°	183.6	332.5	519.6	644.3	685.9
80°	131.6	294.4	488.4	613.1	654.7
82.5°	90.1	259.8	460.7	585.4	623.5
85°	52.0	228.6	429.5	557.7	595.8
87.5°	20.8	200.9	398.4	526.5	568.1
90°	0.0	176.7	374.1	502.3	540.4
92.5°	0.0	155.9	349.9	474.6	516.1
95°	3.5	138.6	325.6	450.3	491.9
97.5°	0.0	121.2	304.8	426.1	464.2
100°	0.0	110.8	284.1	401.8	439.9
102.5°	0.0	97.0	263.3	377.6	415.7
105°	0.0	86.6	242.5	353.3	388.0
107.5°	0.0	79.7	225.2	332.5	363.7
110°	0.0	69.3	207.8	311.8	342.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	62.4	190.5	287.5	318.7
115°	0.0	55.4	176.7	266.7	294.4
117.5°	0.0	52.0	159.3	245.9	273.7
120°	0.0	45.0	145.5	228.6	252.9
122.5°	0.0	41.6	135.1	207.8	232.1
125°	0.0	34.6	121.2	190.5	211.3
127.5°	0.0	31.2	107.4	173.2	190.5
130°	0.0	27.7	97.0	155.9	173.2
132.5°	0.0	24.2	86.6	138.6	155.9
135°	0.0	20.8	76.2	124.7	138.6
137.5°	0.0	17.3	65.8	107.4	121.2
140°	0.0	13.9	55.4	93.5	103.9
142.5°	0.0	10.4	48.5	79.7	90.1
145°	0.0	6.9	38.1	69.3	76.2
147.5°	0.0	6.9	31.2	55.4	62.4
150°	0.0	3.5	20.8	45.0	48.5
152.5°	0.0	3.5	17.3	34.6	34.6
155°	0.0	3.5	10.4	20.8	24.2
157.5°	0.0	0.0	6.9	13.9	13.9
160°	0.0	0.0	3.5	6.9	10.4
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)