

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: P218336

Luminaire Tested: **4SNLED-LD5-47SL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218336
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-LD5-47SL-LW-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4958.0 lumens
Efficiency: N/A
Efficacy: 115.8 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

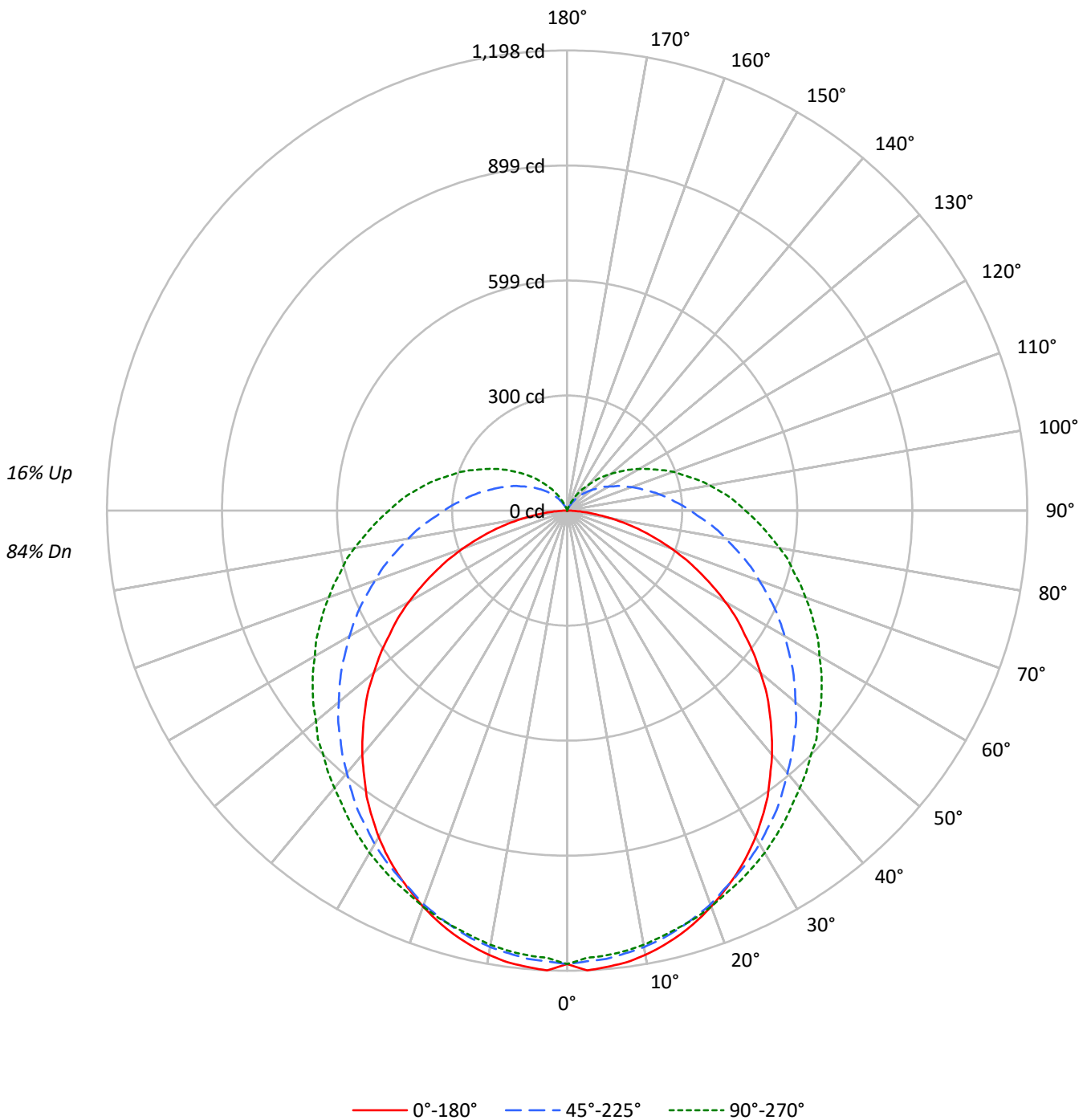
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	19022	19022	19022
5°	19217	17802	17292
10°	19077	16707	15965
15°	18837	15700	14788
20°	18533	14757	13794
25°	18202	13852	12907
30°	17827	13082	12136
35°	17390	12348	11422
40°	16860	11596	10781
45°	16325	10963	10232
50°	15692	10360	9761
55°	14980	9811	9358
60°	14300	9264	8944
65°	13319	8790	8617
70°	12189	8292	8299
75°	10730	7901	8020
80°	8478	7515	7817
85°	5582	7237	7607



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.8	2.3
10°-20°	319.7	6.4
20°-30°	485.9	9.8
30°-40°	594.7	12.0
40°-50°	642.0	12.9
50°-60°	630.3	12.7
60°-70°	567.7	11.5
70°-80°	470.1	9.5
80°-90°	361.5	7.3
90°-100°	272.5	5.5
100°-110°	200.6	4.0
110°-120°	138.4	2.8
120°-130°	87.7	1.8
130°-140°	48.6	1.0
140°-150°	21.0	0.4
150°-160°	5.2	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	917.4	18.5
0°-40°	1512.1	30.5
0°-60°	2784.5	56.2
0°-90°	4183.8	84.4
90°-120°	611.5	12.3
90°-150°	768.8	15.5
90°-180°	774.0	15.6
0°-180°	4958.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1180	1180	1180	1180	1180	
5°	1192	1186	1172	1172	1163	113
15°	1142	1139	1127	1133	1124	322
25°	1044	1044	1047	1068	1064	481
35°	910	919	952	981	987	568
45°	746	779	836	886	898	576
55°	565	627	717	788	809	507
65°	381	467	595	684	711	378
75°	199	318	476	577	610	211
85°	45	196	369	479	511	51
90°	0	152	321	431	464	2
95°	3	119	280	386	422	1
105°	0	74	208	303	333	0
115°	0	48	152	229	253	0
125°	0	30	104	164	181	0
135°	0	18	65	107	119	0
145°	0	6	33	60	65	0
155°	0	3	9	18	21	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°	1180.5	1180.5	1180.5	1180.5	1180.5
2.5°	1198.3	1189.4	1174.5	1174.5	1165.6
5°	1192.4	1186.4	1171.5	1171.5	1162.6
7.5°	1186.4	1180.5	1162.6	1165.6	1156.7
10°	1174.5	1168.6	1153.7	1156.7	1147.8
12.5°	1159.6	1153.7	1141.8	1144.8	1135.9
15°	1141.8	1138.8	1126.9	1132.9	1124.0
17.5°	1121.0	1118.0	1109.1	1118.0	1112.1
20°	1097.2	1097.2	1091.3	1103.2	1097.2
22.5°	1070.4	1070.4	1067.5	1085.3	1079.4
25°	1043.7	1043.7	1046.7	1067.5	1064.5
27.5°	1013.9	1016.9	1025.8	1049.6	1046.7
30°	981.2	987.2	1002.1	1028.8	1028.8
32.5°	945.6	951.5	975.3	1008.0	1008.0
35°	909.9	918.8	951.5	981.2	987.2
37.5°	868.2	883.1	921.8	957.5	963.4
40°	829.6	850.4	892.0	933.7	942.6
42.5°	788.0	814.7	865.3	912.9	921.8
45°	746.3	779.0	835.5	886.1	898.0
47.5°	704.7	740.4	808.8	862.3	880.1
50°	657.1	701.7	776.1	838.5	853.4
52.5°	612.5	663.1	746.3	811.8	832.6
55°	565.0	627.4	716.6	788.0	808.8
57.5°	523.3	585.8	683.9	764.2	785.0
60°	475.8	544.1	654.2	734.4	758.2
62.5°	428.2	508.5	624.4	710.7	737.4
65°	380.6	466.8	594.7	683.9	710.7
67.5°	336.0	428.2	562.0	657.1	686.9
70°	288.4	389.5	532.2	630.4	660.1
72.5°	243.8	353.8	505.5	603.6	636.3
75°	199.2	318.2	475.8	576.9	609.6
77.5°	157.6	285.5	446.0	553.1	588.7
80°	113.0	252.7	419.3	526.3	562.0
82.5°	77.3	223.0	395.5	502.5	535.2
85°	44.6	196.2	368.7	478.7	511.4
87.5°	17.8	172.5	341.9	452.0	487.6
90°	0.0	151.6	321.1	431.2	463.9
92.5°	0.0	133.8	300.3	407.4	443.0
95°	3.0	118.9	279.5	386.5	422.2
97.5°	0.0	104.1	261.7	365.7	398.4
100°	0.0	95.2	243.8	344.9	377.6
102.5°	0.0	83.3	226.0	324.1	356.8
105°	0.0	74.3	208.1	303.3	333.0
107.5°	0.0	68.4	193.3	285.5	312.2
110°	0.0	59.5	178.4	267.6	294.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	53.5	163.5	246.8	273.6
115°	0.0	47.6	151.6	229.0	252.7
117.5°	0.0	44.6	136.8	211.1	234.9
120°	0.0	38.7	124.9	196.2	217.1
122.5°	0.0	35.7	116.0	178.4	199.2
125°	0.0	29.7	104.1	163.5	181.4
127.5°	0.0	26.8	92.2	148.7	163.5
130°	0.0	23.8	83.3	133.8	148.7
132.5°	0.0	20.8	74.3	118.9	133.8
135°	0.0	17.8	65.4	107.0	118.9
137.5°	0.0	14.9	56.5	92.2	104.1
140°	0.0	11.9	47.6	80.3	89.2
142.5°	0.0	8.9	41.6	68.4	77.3
145°	0.0	5.9	32.7	59.5	65.4
147.5°	0.0	5.9	26.8	47.6	53.5
150°	0.0	3.0	17.8	38.7	41.6
152.5°	0.0	3.0	14.9	29.7	29.7
155°	0.0	3.0	8.9	17.8	20.8
157.5°	0.0	0.0	5.9	11.9	11.9
160°	0.0	0.0	3.0	5.9	8.9
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)