

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: P217949

Luminaire Tested: **4SNLED-LD5-32SL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217949
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-32SL-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3338.0 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

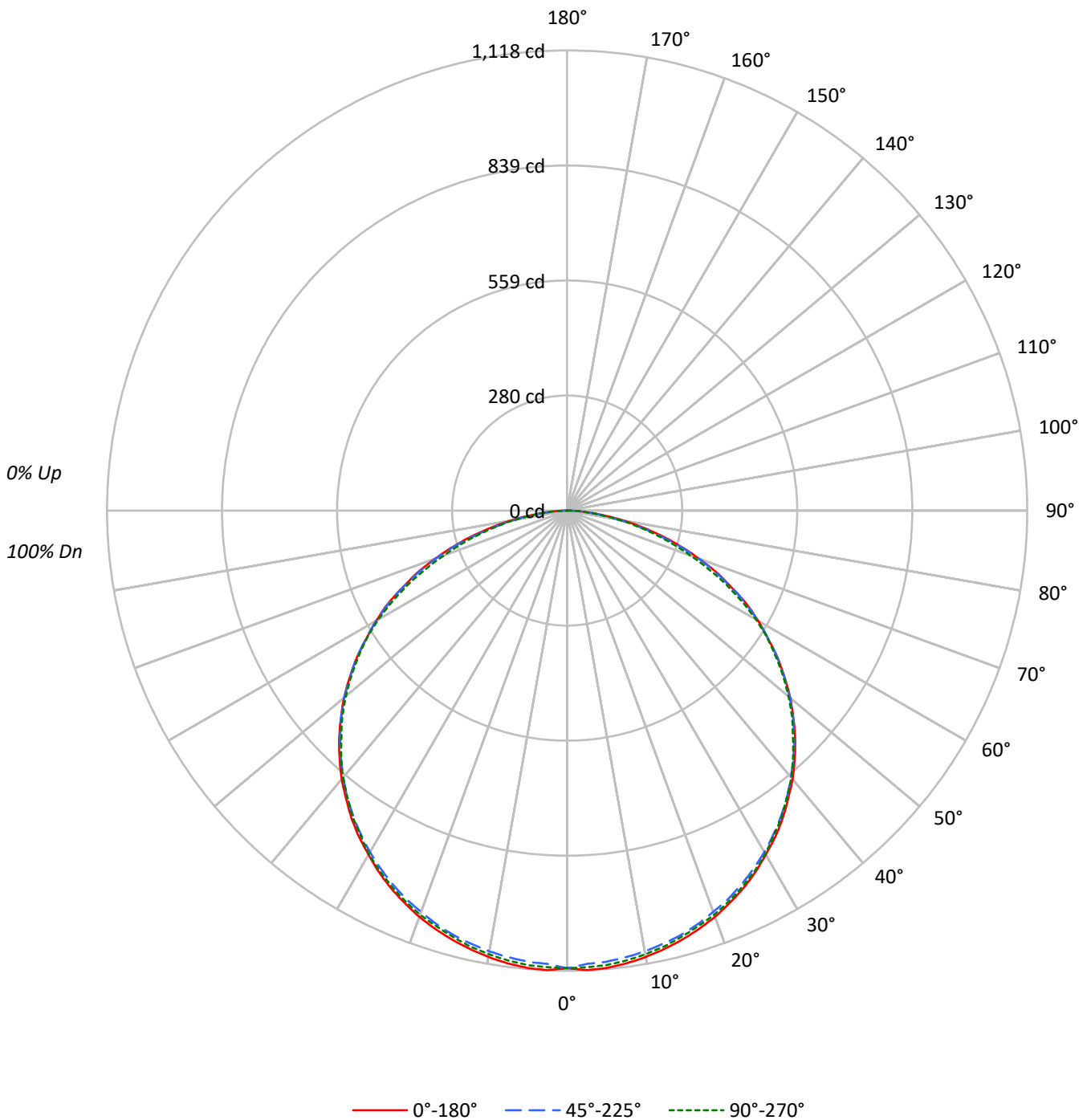
Input Watts (W): 22.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17914	17914	17914
5°	17973	16717	16483
10°	17888	15748	15223
15°	17807	14877	14109
20°	17744	14033	13134
25°	17656	13260	12220
30°	17534	12509	11357
35°	17452	11760	10511
40°	17315	11000	9691
45°	17146	10240	8840
50°	16900	9431	8028
55°	16557	8550	7159
60°	16097	7584	6251
65°	15391	6518	5179
70°	14395	5269	4005
75°	12874	3796	2871
80°	10309	2255	1782
85°	6358	974	721



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.4	3.2
10°-20°	303.3	9.1
20°-30°	464.7	13.9
30°-40°	568.8	17.0
40°-50°	601.9	18.0
50°-60°	556.7	16.7
60°-70°	432.3	12.9
70°-80°	243.5	7.3
80°-90°	61.6	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	873.3	26.2
0°-40°	1442.1	43.2
0°-60°	2600.7	77.9
0°-90°	3338.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3338.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1112	1112	1112	1112	1112	
5°	1115	1110	1100	1110	1108	106
15°	1079	1076	1068	1077	1072	305
25°	1012	1009	1002	1010	1008	467
35°	913	910	906	908	908	571
45°	784	783	780	779	776	604
55°	624	627	624	622	619	557
65°	440	443	441	435	427	436
75°	239	239	229	223	218	252
85°	51	51	50	50	48	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1111.7	1111.7	1111.7	1111.7	1111.7
2.5°	1117.5	1112.8	1102.5	1112.8	1110.5
5°	1115.2	1110.5	1100.1	1110.5	1108.2
7.5°	1109.4	1105.9	1094.4	1104.8	1102.5
10°	1101.3	1097.8	1087.5	1097.8	1094.4
12.5°	1090.9	1087.5	1078.2	1087.5	1085.1
15°	1079.4	1075.9	1067.8	1077.1	1072.4
17.5°	1065.5	1063.2	1054.0	1063.2	1058.6
20°	1050.5	1045.9	1037.8	1047.0	1044.7
22.5°	1032.0	1029.7	1021.7	1029.7	1027.4
25°	1012.4	1009.0	1002.0	1010.1	1007.8
27.5°	990.5	988.2	981.2	987.0	987.0
30°	965.1	963.9	958.2	963.9	962.8
32.5°	940.8	938.5	932.8	937.4	935.1
35°	913.1	909.7	906.2	908.5	908.5
37.5°	882.0	880.8	877.3	880.8	877.3
40°	852.0	849.6	846.2	847.3	847.3
42.5°	818.5	817.3	813.9	813.9	812.7
45°	783.8	782.7	780.4	779.2	775.8
47.5°	745.7	744.6	744.6	743.4	741.1
50°	707.7	707.7	706.5	703.0	701.9
52.5°	666.1	668.4	664.9	662.6	661.5
55°	624.5	626.8	624.5	622.2	618.8
57.5°	578.4	583.0	579.5	578.4	577.2
60°	535.6	538.0	535.6	532.2	529.9
62.5°	491.8	491.8	488.3	486.0	479.1
65°	439.8	443.3	441.0	435.2	427.1
67.5°	393.7	391.3	389.0	382.1	372.9
70°	340.6	341.7	338.2	327.9	318.6
72.5°	289.8	292.1	285.1	271.3	269.0
75°	239.0	239.0	228.6	222.8	218.2
77.5°	187.0	188.2	174.3	173.2	172.0
80°	137.4	139.7	125.8	129.3	128.1
82.5°	93.5	91.2	85.4	85.4	84.3
85°	50.8	50.8	49.6	49.6	48.5
87.5°	19.6	20.8	23.1	25.4	24.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)