

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: P217950

Luminaire Tested: **4SNLED-LD5-32SL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217950
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3611.0 lumens
Efficiency: N/A
Efficacy: 163.4 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

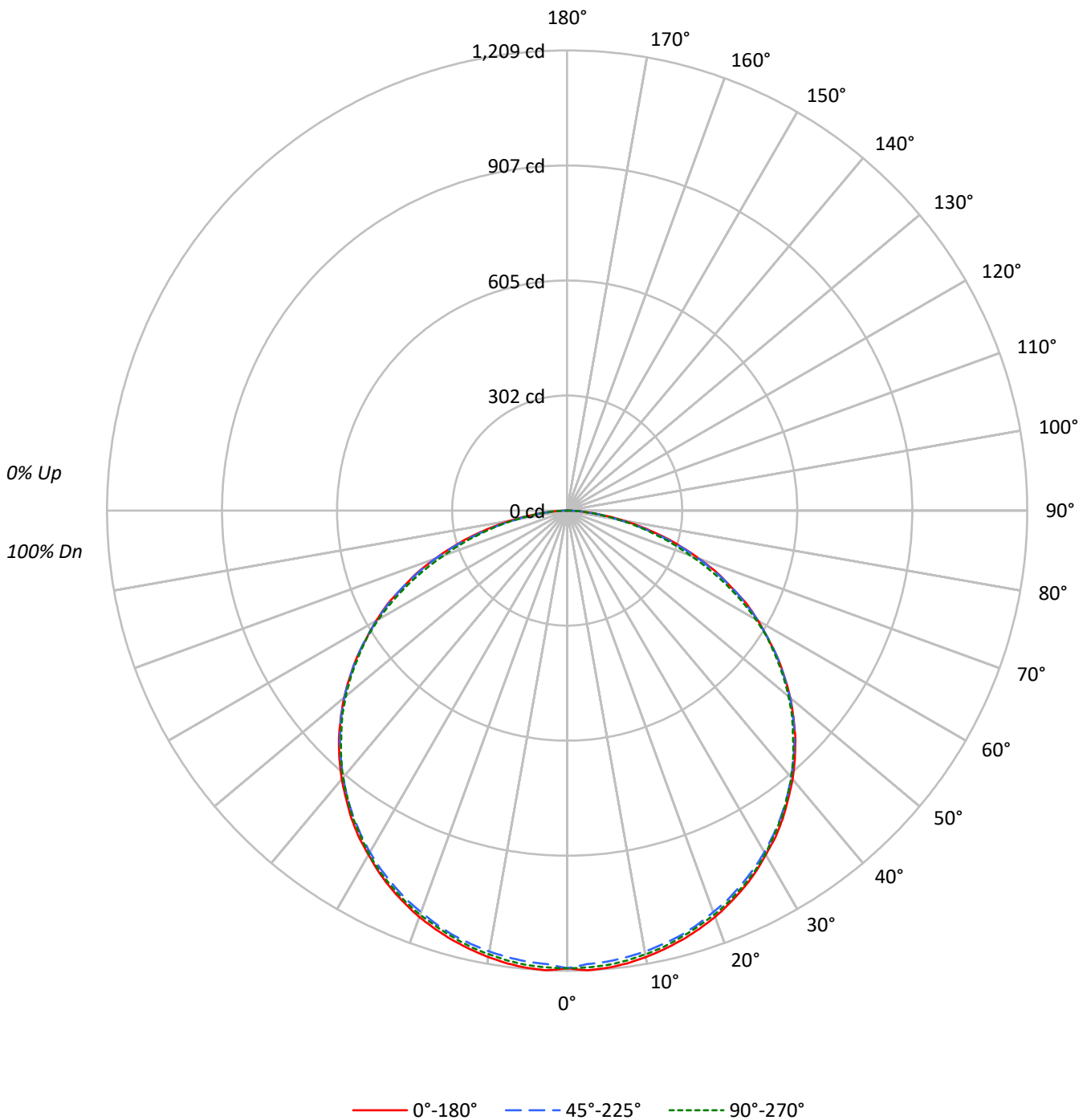
Input Watts (W): 22.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	19378	19378	19378
5°	19443	18085	17832
10°	19351	17036	16468
15°	19263	16094	15264
20°	19195	15181	14209
25°	19100	14345	13219
30°	18968	13531	12286
35°	18879	12722	11371
40°	18730	11900	10484
45°	18548	11078	9562
50°	18280	10203	8685
55°	17912	9249	7745
60°	17416	8206	6761
65°	16651	7050	5603
70°	15570	5701	4334
75°	13924	4107	3105
80°	11149	2439	1928
85°	6871	1054	781



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.0	3.2
10°-20°	328.1	9.1
20°-30°	502.7	13.9
30°-40°	615.3	17.0
40°-50°	651.1	18.0
50°-60°	602.2	16.7
60°-70°	467.6	13.0
70°-80°	263.4	7.3
80°-90°	66.6	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°	944.8	26.2
0°-40°	1560.0	43.2
0°-60°	2813.4	77.9
0°-90°	3611.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3611.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1203	1203	1203	1203	1203	
5°	1206	1201	1190	1201	1199	115
15°	1168	1164	1155	1165	1160	330
25°	1095	1092	1084	1093	1090	505
35°	988	984	980	983	983	618
45°	848	847	844	843	839	653
55°	676	678	676	673	669	603
65°	476	480	477	471	462	472
75°	258	258	247	241	236	272
85°	55	55	54	54	52	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1202.6	1202.6	1202.6	1202.6	1202.6
2.5°	1208.9	1203.9	1192.6	1203.9	1201.4
5°	1206.4	1201.4	1190.1	1201.4	1198.9
7.5°	1200.1	1196.4	1183.9	1195.1	1192.6
10°	1191.4	1187.6	1176.4	1187.6	1183.9
12.5°	1180.1	1176.4	1166.4	1176.4	1173.9
15°	1167.6	1163.9	1155.2	1165.1	1160.2
17.5°	1152.7	1150.2	1140.2	1150.2	1145.2
20°	1136.4	1131.4	1122.7	1132.7	1130.2
22.5°	1116.4	1113.9	1105.2	1113.9	1111.5
25°	1095.2	1091.5	1084.0	1092.7	1090.2
27.5°	1071.5	1069.0	1061.5	1067.7	1067.7
30°	1044.0	1042.8	1036.5	1042.8	1041.5
32.5°	1017.8	1015.3	1009.0	1014.0	1011.5
35°	987.8	984.1	980.3	982.8	982.8
37.5°	954.1	952.9	949.1	952.9	949.1
40°	921.6	919.1	915.4	916.6	916.6
42.5°	885.4	884.2	880.4	880.4	879.2
45°	847.9	846.7	844.2	843.0	839.2
47.5°	806.7	805.5	805.5	804.2	801.7
50°	765.5	765.5	764.3	760.5	759.3
52.5°	720.6	723.1	719.3	716.8	715.6
55°	675.6	678.1	675.6	673.1	669.4
57.5°	625.7	630.7	626.9	625.7	624.4
60°	579.5	582.0	579.5	575.7	573.2
62.5°	532.0	532.0	528.3	525.8	518.3
65°	475.8	479.5	477.0	470.8	462.1
67.5°	425.8	423.4	420.9	413.4	403.4
70°	368.4	369.7	365.9	354.7	344.7
72.5°	313.5	316.0	308.5	293.5	291.0
75°	258.5	258.5	247.3	241.0	236.0
77.5°	202.3	203.6	188.6	187.3	186.1
80°	148.6	151.1	136.1	139.9	138.6
82.5°	101.2	98.7	92.4	92.4	91.2
85°	54.9	54.9	53.7	53.7	52.5
87.5°	21.2	22.5	25.0	27.5	26.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)