

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: P217948

Luminaire Tested: **4SNLED-LD5-32SL-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217948
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3273.0 lumens
Efficiency: N/A
Efficacy: 148.1 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

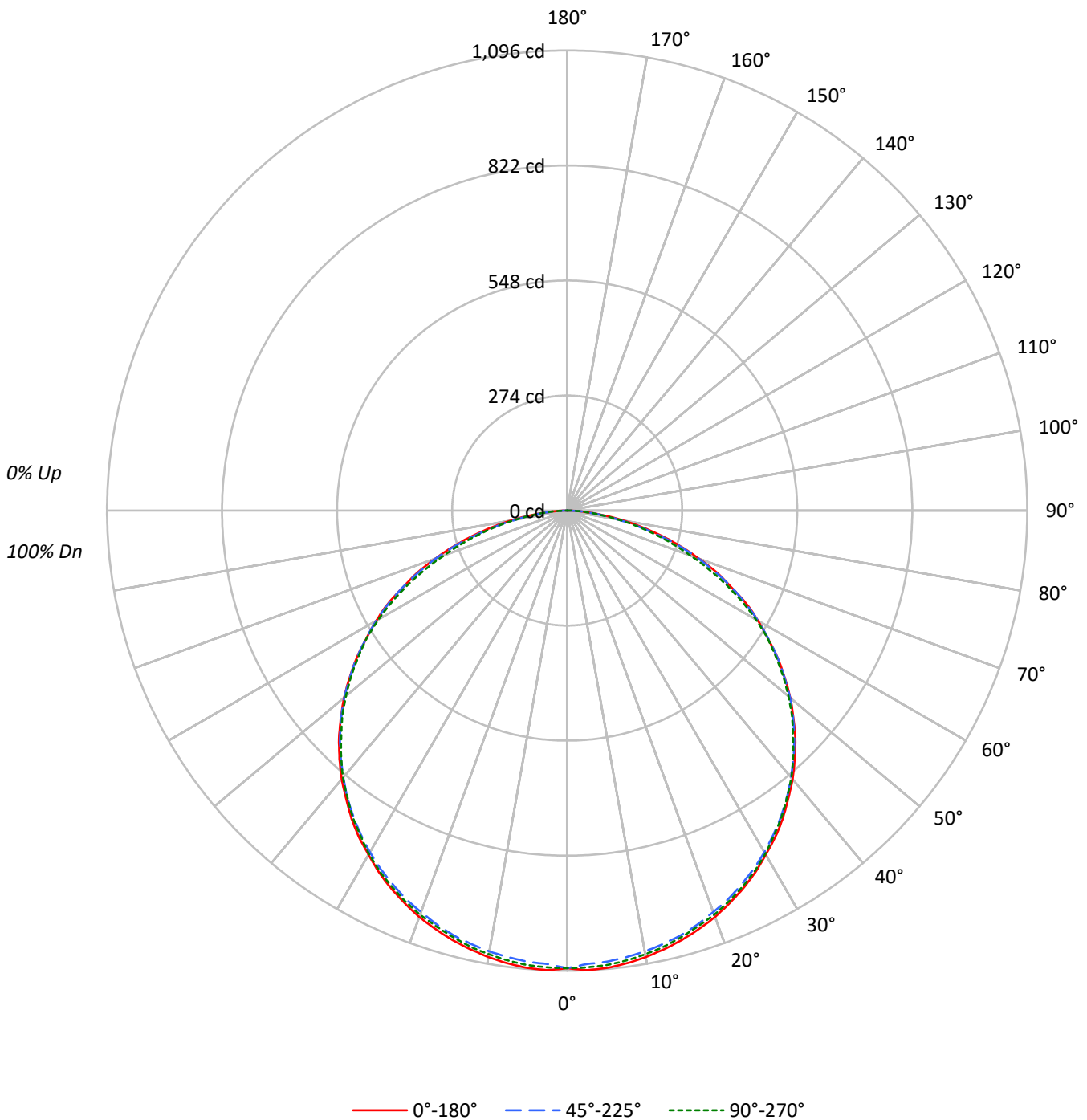
Input Watts (W): 22.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17564	17564	17564
5°	17622	16392	16163
10°	17540	15441	14926
15°	17461	14587	13836
20°	17400	13760	12879
25°	17313	13002	11982
30°	17193	12265	11135
35°	17113	11532	10306
40°	16978	10786	9502
45°	16813	10041	8667
50°	16570	9247	7871
55°	16236	8384	7019
60°	15784	7437	6129
65°	15093	6391	5078
70°	14112	5168	3927
75°	12621	3721	2814
80°	10106	2212	1747
85°	6233	956	707



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.3	3.2
10°-20°	297.4	9.1
20°-30°	455.6	13.9
30°-40°	557.7	17.0
40°-50°	590.2	18.0
50°-60°	545.8	16.7
60°-70°	423.9	12.9
70°-80°	238.7	7.3
80°-90°	60.4	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°	856.3	26.2
0°-40°	1414.0	43.2
0°-60°	2550.0	77.9
0°-90°	3273.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3273.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1090	1090	1090	1090	1090	
5°	1093	1089	1079	1089	1087	104
15°	1058	1055	1047	1056	1052	299
25°	993	989	982	990	988	458
35°	895	892	889	891	891	560
45°	769	767	765	764	761	592
55°	612	615	612	610	607	546
65°	431	435	432	427	419	428
75°	234	234	224	218	214	247
85°	50	50	49	49	48	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1090.0	1090.0	1090.0	1090.0	1090.0
2.5°	1095.7	1091.2	1081.0	1091.2	1088.9
5°	1093.4	1088.9	1078.7	1088.9	1086.7
7.5°	1087.8	1084.4	1073.1	1083.3	1081.0
10°	1079.9	1076.5	1066.3	1076.5	1073.1
12.5°	1069.7	1066.3	1057.2	1066.3	1064.0
15°	1058.4	1055.0	1047.0	1056.1	1051.6
17.5°	1044.8	1042.5	1033.4	1042.5	1038.0
20°	1030.1	1025.5	1017.6	1026.7	1024.4
22.5°	1011.9	1009.7	1001.8	1009.7	1007.4
25°	992.7	989.3	982.5	990.4	988.2
27.5°	971.2	968.9	962.1	967.8	967.8
30°	946.3	945.2	939.5	945.2	944.0
32.5°	922.5	920.3	914.6	919.1	916.9
35°	895.4	892.0	888.6	890.8	890.8
37.5°	864.8	863.7	860.3	863.7	860.3
40°	835.4	833.1	829.7	830.8	830.8
42.5°	802.5	801.4	798.0	798.0	796.9
45°	768.6	767.4	765.2	764.1	760.7
47.5°	731.2	730.1	730.1	729.0	726.7
50°	693.9	693.9	692.7	689.3	688.2
52.5°	653.1	655.4	652.0	649.7	648.6
55°	612.4	614.6	612.4	610.1	606.7
57.5°	567.1	571.6	568.2	567.1	566.0
60°	525.2	527.5	525.2	521.8	519.6
62.5°	482.2	482.2	478.8	476.5	469.7
65°	431.3	434.7	432.4	426.7	418.8
67.5°	386.0	383.7	381.5	374.7	365.6
70°	333.9	335.1	331.7	321.5	312.4
72.5°	284.1	286.4	279.6	266.0	263.7
75°	234.3	234.3	224.1	218.5	213.9
77.5°	183.4	184.5	170.9	169.8	168.7
80°	134.7	137.0	123.4	126.8	125.6
82.5°	91.7	89.4	83.8	83.8	82.6
85°	49.8	49.8	48.7	48.7	47.5
87.5°	19.2	20.4	22.6	24.9	23.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)