

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: P217947

Luminaire Tested: **4SNLED-LD5-32SL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217947
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3081.0 lumens
Efficiency: N/A
Efficacy: 139.4 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

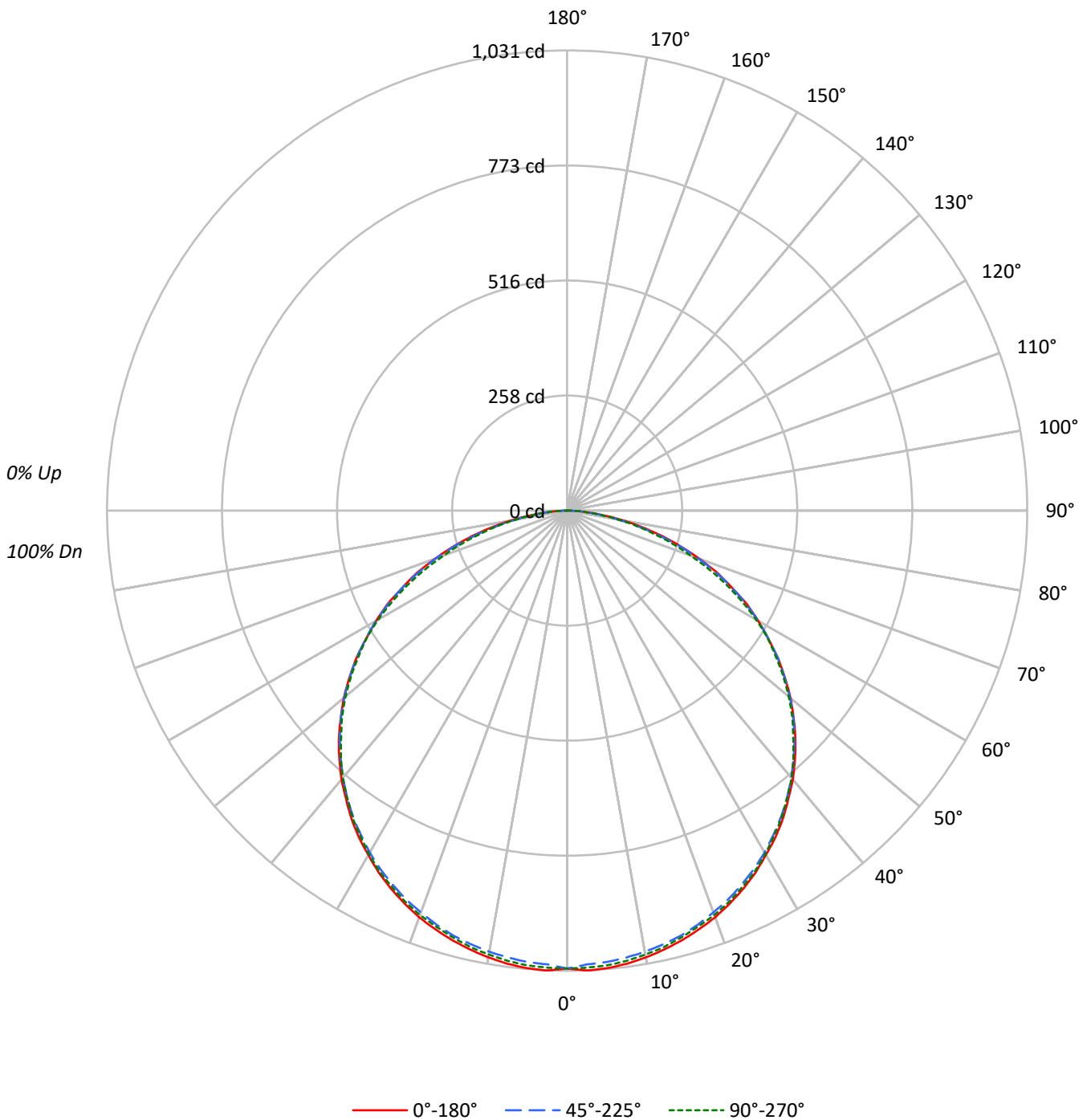
Input Watts (W): 22.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	16534	16534	16534
5°	16589	15430	15215
10°	16511	14535	14050
15°	16436	13732	13024
20°	16378	12953	12123
25°	16298	12240	11279
30°	16184	11545	10482
35°	16108	10854	9702
40°	15982	10153	8945
45°	15826	9452	8158
50°	15599	8705	7409
55°	15282	7891	6608
60°	14859	7001	5769
65°	14208	6015	4780
70°	13284	4864	3697
75°	11883	3504	2650
80°	9514	2081	1646
85°	5870	899	666



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.2	3.2
10°-20°	279.9	9.1
20°-30°	428.9	13.9
30°-40°	525.0	17.0
40°-50°	555.6	18.0
50°-60°	513.8	16.7
60°-70°	399.0	12.9
70°-80°	224.7	7.3
80°-90°	56.8	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°	806.1	26.2
0°-40°	1331.1	43.2
0°-60°	2400.4	77.9
0°-90°	3081.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3081.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1026	1026	1026	1026	1026	
5°	1029	1025	1015	1025	1023	98
15°	996	993	986	994	990	281
25°	934	931	925	932	930	431
35°	843	840	836	839	839	527
45°	724	722	720	719	716	558
55°	576	579	576	574	571	514
65°	406	409	407	402	394	403
75°	221	221	211	206	201	232
85°	47	47	46	46	45	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1026.1	1026.1	1026.1	1026.1	1026.1
2.5°	1031.4	1027.2	1017.6	1027.2	1025.0
5°	1029.3	1025.0	1015.4	1025.0	1022.9
7.5°	1024.0	1020.8	1010.1	1019.7	1017.6
10°	1016.5	1013.3	1003.7	1013.3	1010.1
12.5°	1006.9	1003.7	995.2	1003.7	1001.6
15°	996.3	993.1	985.6	994.1	989.9
17.5°	983.5	981.3	972.8	981.3	977.1
20°	969.6	965.4	957.9	966.4	964.3
22.5°	952.6	950.4	943.0	950.4	948.3
25°	934.5	931.3	924.9	932.3	930.2
27.5°	914.2	912.1	905.7	911.0	911.0
30°	890.8	889.7	884.4	889.7	888.6
32.5°	868.4	866.3	860.9	865.2	863.1
35°	842.8	839.6	836.4	838.6	838.6
37.5°	814.1	813.0	809.8	813.0	809.8
40°	786.4	784.2	781.0	782.1	782.1
42.5°	755.5	754.4	751.2	751.2	750.1
45°	723.5	722.4	720.3	719.2	716.0
47.5°	688.3	687.3	687.3	686.2	684.1
50°	653.2	653.2	652.1	648.9	647.8
52.5°	614.8	616.9	613.7	611.6	610.5
55°	576.4	578.6	576.4	574.3	571.1
57.5°	533.8	538.1	534.9	533.8	532.8
60°	494.4	496.5	494.4	491.2	489.1
62.5°	453.9	453.9	450.7	448.6	442.2
65°	406.0	409.2	407.0	401.7	394.2
67.5°	363.3	361.2	359.1	352.7	344.2
70°	314.3	315.4	312.2	302.6	294.1
72.5°	267.4	269.6	263.2	250.4	248.3
75°	220.6	220.6	211.0	205.6	201.4
77.5°	172.6	173.7	160.9	159.8	158.8
80°	126.8	128.9	116.1	119.3	118.3
82.5°	86.3	84.2	78.8	78.8	77.8
85°	46.9	46.9	45.8	45.8	44.8
87.5°	18.1	19.2	21.3	23.4	22.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)