

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: P218564

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218564
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35689)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-32SL-RW-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3292.0 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

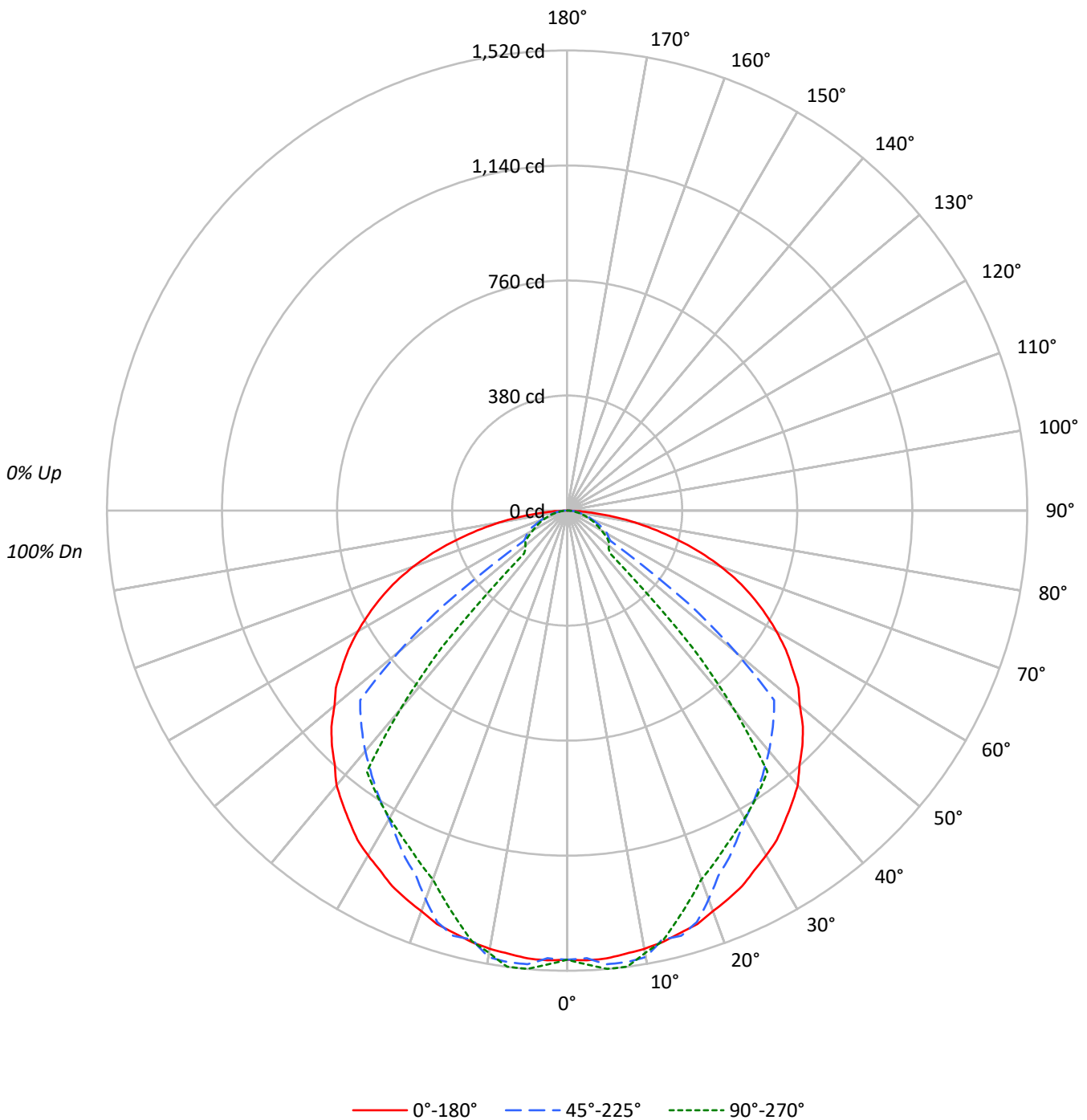
Input Watts (W): 24.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52	50
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23906	23906	23906
5°	23938	22858	22602
10°	23873	21683	20636
15°	23824	20263	18434
20°	23783	18482	16298
25°	23867	16747	14907
30°	23897	15355	13834
35°	23957	14373	12913
40°	24079	13482	9840
45°	24038	12663	2289
50°	23947	9696	2062
55°	24081	2374	1887
60°	23995	2164	1539
65°	23674	1827	1270
70°	22789	1418	993
75°	20533	1054	722
80°	17009	708	453
85°	10100	404	204



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.2	4.4
10°-20°	406.0	12.3
20°-30°	597.9	18.2
30°-40°	719.7	21.9
40°-50°	616.4	18.7
50°-60°	398.9	12.1
60°-70°	265.1	8.1
70°-80°	113.1	3.4
80°-90°	31.6	1.0
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°	1147.1	34.8
0°-40°	1866.9	56.7
0°-60°	2882.1	87.6
0°-90°	3292.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3292.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1484	1484	1484	1484	1484	
5°	1485	1490	1504	1521	1520	141
15°	1444	1484	1454	1424	1401	408
25°	1368	1377	1266	1238	1229	630
35°	1254	1205	1108	1116	1116	786
45°	1099	977	965	589	201	847
55°	908	771	173	165	163	812
65°	676	486	124	106	105	667
75°	381	89	64	57	55	404
85°	81	24	21	16	14	103
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1487.0	1481.9	1480.1	1499.0	1500.7
5°	1485.3	1490.4	1504.2	1521.3	1519.6
7.5°	1476.7	1493.9	1504.2	1529.9	1519.6
10°	1469.8	1500.7	1497.3	1499.0	1483.6
12.5°	1459.5	1488.7	1450.9	1476.7	1456.1
15°	1444.1	1483.6	1454.4	1423.5	1401.1
17.5°	1432.1	1473.3	1425.2	1351.4	1347.9
20°	1408.0	1430.3	1366.8	1313.6	1296.4
22.5°	1389.1	1414.9	1305.0	1268.9	1263.8
25°	1368.5	1377.1	1265.5	1238.0	1229.4
27.5°	1339.3	1356.5	1219.1	1205.4	1200.2
30°	1315.3	1315.3	1176.2	1176.2	1172.8
32.5°	1289.5	1260.3	1143.6	1145.3	1145.3
35°	1253.5	1205.4	1107.5	1116.1	1116.1
37.5°	1219.1	1138.4	1071.5	1085.2	1086.9
40°	1184.8	1086.9	1037.1	1052.6	860.3
42.5°	1136.7	1030.3	1001.1	810.5	613.0
45°	1098.9	977.0	965.0	589.0	200.9
47.5°	1056.0	925.5	927.2	187.2	185.4
50°	1002.8	872.3	726.3	176.9	180.3
52.5°	963.3	824.2	511.7	171.7	173.4
55°	908.3	771.0	173.4	164.8	163.1
57.5°	856.8	721.2	161.4	152.8	146.0
60°	798.4	667.9	152.8	135.7	130.5
62.5°	738.4	614.7	140.8	120.2	116.8
65°	676.5	485.9	123.6	106.5	104.7
67.5°	611.3	319.4	104.7	94.4	92.7
70°	539.2	125.3	91.0	82.4	79.0
72.5°	463.6	108.2	77.3	70.4	67.0
75°	381.2	89.3	63.5	56.7	54.9
77.5°	303.9	67.0	51.5	44.6	42.9
80°	226.7	49.8	39.5	34.3	32.6
82.5°	154.5	36.1	29.2	24.0	22.3
85°	80.7	24.0	20.6	15.5	13.7
87.5°	30.9	15.5	12.0	6.9	6.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)