

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: P218560

Luminaire Tested: **4SNLED-LD5-28SL-RW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218560
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-LD5-28SL-RW-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2953.0 lumens
Efficiency: N/A
Efficacy: 133.6 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

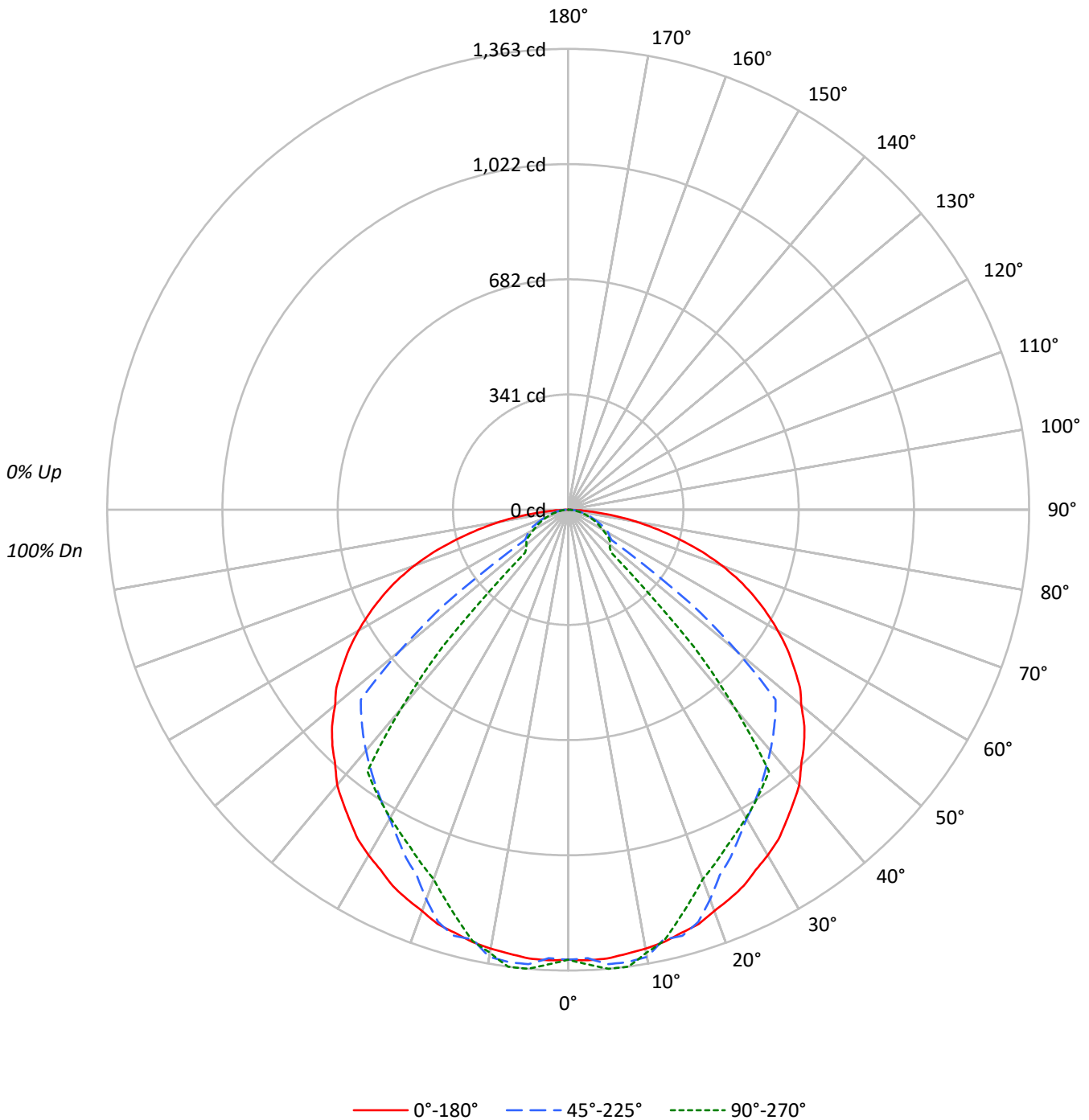
Input Watts (W): 22.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	21444	21444	21444
5°	21472	20504	20275
10°	21416	19450	18511
15°	21371	18176	16537
20°	21333	16580	14620
25°	21409	15023	13372
30°	21435	13774	12409
35°	21490	12893	11584
40°	21599	12094	8826
45°	21564	11358	2053
50°	21480	8697	1849
55°	21602	2130	1693
60°	21525	1941	1381
65°	21238	1639	1140
70°	20439	1271	891
75°	18417	947	649
80°	15254	634	408
85°	9061	363	183



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.5	4.4
10°-20°	364.2	12.3
20°-30°	536.4	18.2
30°-40°	645.6	21.9
40°-50°	552.9	18.7
50°-60°	357.8	12.1
60°-70°	237.8	8.1
70°-80°	101.4	3.4
80°-90°	28.4	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°	1029.0	34.8
0°-40°	1674.6	56.7
0°-60°	2585.4	87.5
0°-90°	2953.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2953.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1331	1331	1331	1331	1331	
5°	1332	1337	1349	1365	1363	127
15°	1295	1331	1305	1277	1257	366
25°	1228	1235	1135	1110	1103	565
35°	1124	1081	994	1001	1001	705
45°	986	876	866	528	180	760
55°	815	692	156	148	146	729
65°	607	436	111	96	94	598
75°	342	80	57	51	49	362
85°	72	22	18	14	12	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1330.8	1330.8	1330.8	1330.8	1330.8
2.5°	1333.9	1329.3	1327.7	1344.7	1346.2
5°	1332.3	1337.0	1349.3	1364.7	1363.1
7.5°	1324.6	1340.0	1349.3	1372.4	1363.1
10°	1318.5	1346.2	1343.1	1344.7	1330.8
12.5°	1309.2	1335.4	1301.5	1324.6	1306.2
15°	1295.4	1330.8	1304.6	1276.9	1256.9
17.5°	1284.6	1321.6	1278.4	1212.2	1209.1
20°	1263.0	1283.0	1226.1	1178.3	1162.9
22.5°	1246.1	1269.2	1170.6	1138.3	1133.6
25°	1227.6	1235.3	1135.2	1110.5	1102.8
27.5°	1201.4	1216.8	1093.6	1081.3	1076.7
30°	1179.8	1179.8	1055.1	1055.1	1052.0
32.5°	1156.7	1130.6	1025.8	1027.4	1027.4
35°	1124.4	1081.3	993.5	1001.2	1001.2
37.5°	1093.6	1021.2	961.1	973.5	975.0
40°	1062.8	975.0	930.3	944.2	771.7
42.5°	1019.7	924.2	898.0	727.0	549.9
45°	985.8	876.4	865.6	528.3	180.2
47.5°	947.3	830.2	831.7	167.9	166.3
50°	899.5	782.5	651.5	158.6	161.7
52.5°	864.1	739.3	459.0	154.0	155.6
55°	814.8	691.6	155.6	147.9	146.3
57.5°	768.6	646.9	144.8	137.1	130.9
60°	716.2	599.2	137.1	121.7	117.1
62.5°	662.3	551.4	126.3	107.8	104.7
65°	606.9	435.9	110.9	95.5	94.0
67.5°	548.3	286.5	94.0	84.7	83.2
70°	483.6	112.4	81.6	73.9	70.9
72.5°	415.9	97.0	69.3	63.2	60.1
75°	341.9	80.1	57.0	50.8	49.3
77.5°	272.6	60.1	46.2	40.0	38.5
80°	203.3	44.7	35.4	30.8	29.3
82.5°	138.6	32.3	26.2	21.6	20.0
85°	72.4	21.6	18.5	13.9	12.3
87.5°	27.7	13.9	10.8	6.2	6.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)