

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: P218569

Luminaire Tested: **4SNLED-LD5-36SL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218569
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-LD5-36SL-RW-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3838.0 lumens
Efficiency: N/A
Efficacy: 138.6 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

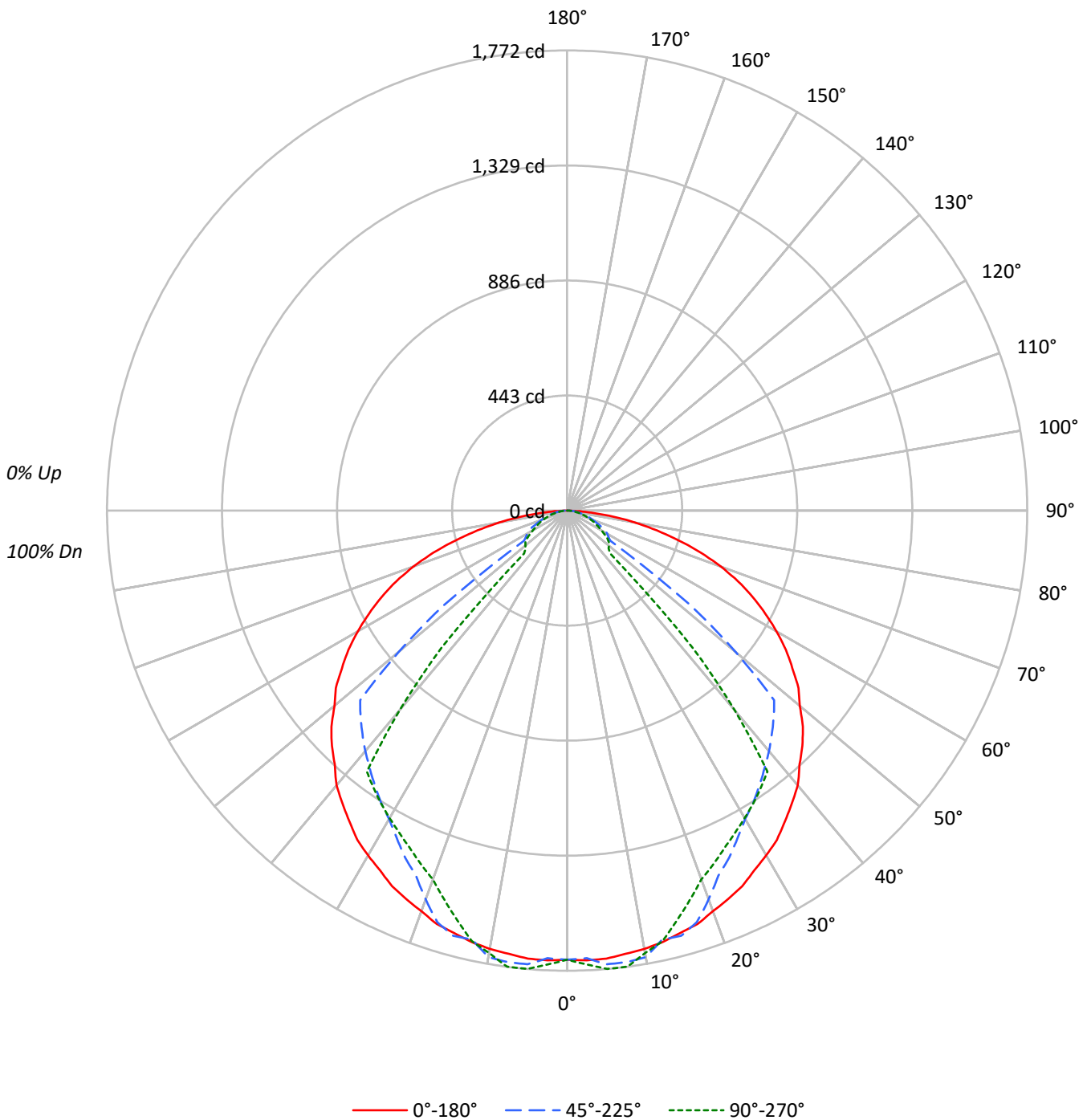
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218569

CATALOG NUMBER: 4SNLED-LD5-36SL-RW-UNV-L835-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P218569

CATALOG NUMBER: 4SNLED-LD5-36SL-RW-UNV-L835-CD1-U

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°	27870	27870	27870
5°	27907	26649	26352
10°	27833	25279	24058
15°	27775	23623	21492
20°	27727	21548	19001
25°	27825	19525	17380
30°	27860	17902	16129
35°	27931	16756	15055
40°	28072	15718	11471
45°	28026	14764	2668
50°	27918	11304	2404
55°	28077	2768	2201
60°	27977	2523	1794
65°	27600	2130	1481
70°	26568	1653	1158
75°	23938	1231	843
80°	19823	824	529
85°	11777	471	238



TEST NUMBER: P218569

CATALOG NUMBER: 4SNLED-LD5-36SL-RW-UNV-L835-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.0	4.4
10°-20°	473.3	12.3
20°-30°	697.1	18.2
30°-40°	839.1	21.9
40°-50°	718.7	18.7
50°-60°	465.0	12.1
60°-70°	309.1	8.1
70°-80°	131.9	3.4
80°-90°	36.8	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°	1337.4	34.8
0°-40°	2176.5	56.7
0°-60°	3360.2	87.6
0°-90°	3838.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3838.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1730	1730	1730	1730	1730	
5°	1732	1738	1754	1774	1772	165
15°	1684	1730	1696	1660	1634	476
25°	1596	1606	1475	1443	1433	735
35°	1461	1405	1291	1301	1301	916
45°	1281	1139	1125	687	234	988
55°	1059	899	202	192	190	947
65°	789	566	144	124	122	778
75°	444	104	74	66	64	471
85°	94	28	24	18	16	120
90°	0	0	0	0	0	



TEST NUMBER: P218569

CATALOG NUMBER: 4SNLED-LD5-36SL-RW-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1729.6	1729.6	1729.6	1729.6	1729.6
2.5°	1733.6	1727.6	1725.6	1747.6	1749.6
5°	1731.6	1737.6	1753.7	1773.7	1771.7
7.5°	1721.6	1741.6	1753.7	1783.7	1771.7
10°	1713.6	1749.6	1745.6	1747.6	1729.6
12.5°	1701.6	1735.6	1691.6	1721.6	1697.6
15°	1683.6	1729.6	1695.6	1659.6	1633.5
17.5°	1669.6	1717.6	1661.6	1575.5	1571.5
20°	1641.5	1667.6	1593.5	1531.4	1511.4
22.5°	1619.5	1649.6	1521.4	1479.4	1473.4
25°	1595.5	1605.5	1475.4	1443.4	1433.4
27.5°	1561.5	1581.5	1421.3	1405.3	1399.3
30°	1533.4	1533.4	1371.3	1371.3	1367.3
32.5°	1503.4	1469.4	1333.3	1335.3	1335.3
35°	1461.4	1405.3	1291.2	1301.2	1301.2
37.5°	1421.3	1327.3	1249.2	1265.2	1267.2
40°	1381.3	1267.2	1209.1	1227.2	1002.9
42.5°	1325.2	1201.1	1167.1	944.9	714.7
45°	1281.2	1139.1	1125.1	686.6	234.2
47.5°	1231.2	1079.0	1081.0	218.2	216.2
50°	1169.1	1017.0	846.8	206.2	210.2
52.5°	1123.1	960.9	596.6	200.2	202.2
55°	1059.0	898.8	202.2	192.2	190.2
57.5°	998.9	840.8	188.2	178.2	170.2
60°	930.9	778.7	178.2	158.1	152.1
62.5°	860.8	716.7	164.2	140.1	136.1
65°	788.7	566.5	144.1	124.1	122.1
67.5°	712.7	372.4	122.1	110.1	108.1
70°	628.6	146.1	106.1	96.1	92.1
72.5°	540.5	126.1	90.1	82.1	78.1
75°	444.4	104.1	74.1	66.1	64.1
77.5°	354.3	78.1	60.1	52.0	50.0
80°	264.2	58.1	46.0	40.0	38.0
82.5°	180.2	42.0	34.0	28.0	26.0
85°	94.1	28.0	24.0	18.0	16.0
87.5°	36.0	18.0	14.0	8.0	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)