

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: P218568

Luminaire Tested: **4SNLED-LD5-36SL-RW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218568
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3613.0 lumens
Efficiency: N/A
Efficacy: 130.4 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

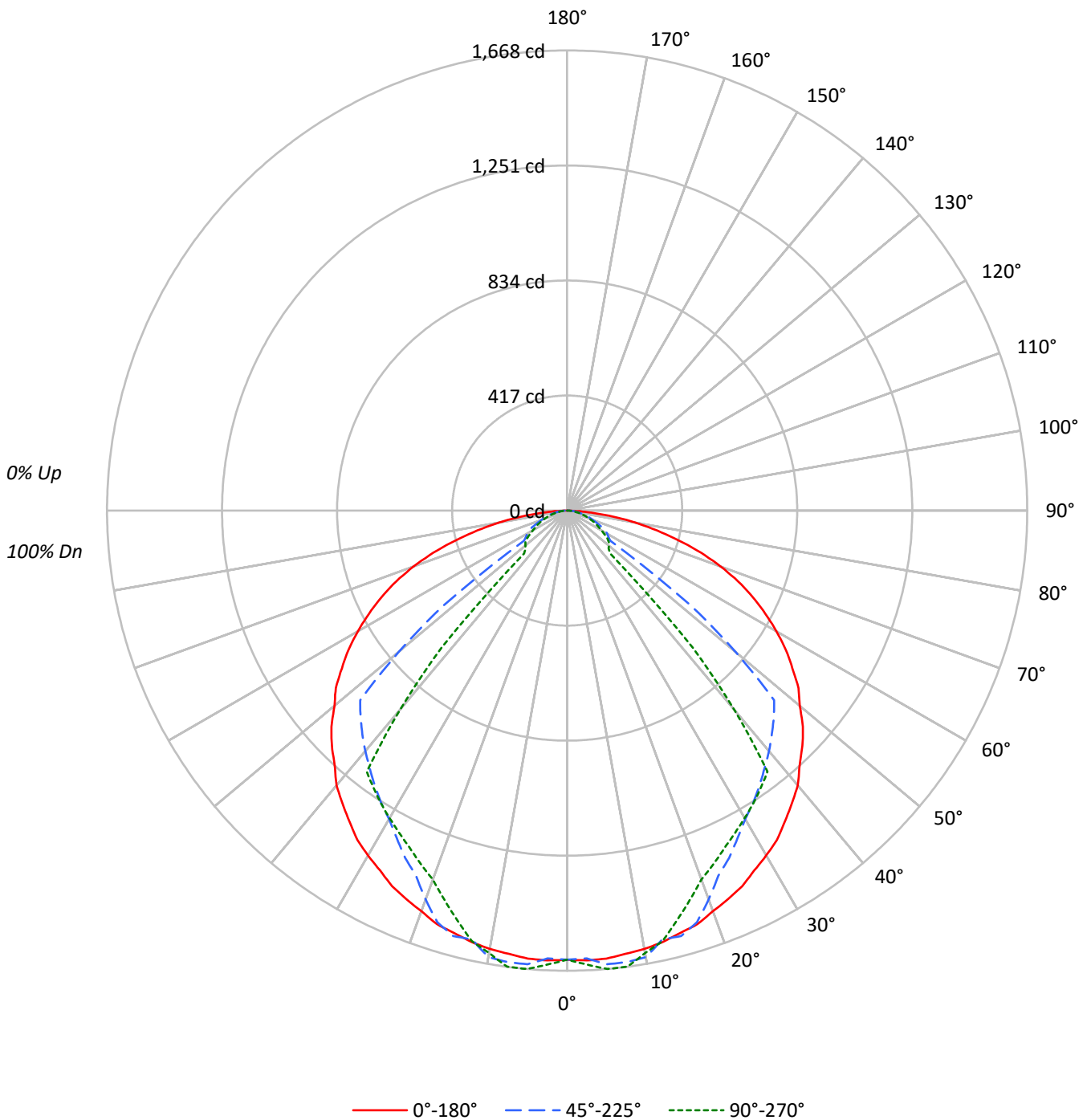
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	26236	26236	26236
5°	26271	25085	24807
10°	26203	23797	22648
15°	26147	22239	20232
20°	26102	20285	17887
25°	26195	18380	16361
30°	26226	16852	15183
35°	26293	15774	14172
40°	26426	14798	10798
45°	26383	13898	2512
50°	26283	10642	2263
55°	26430	2605	2071
60°	26336	2375	1689
65°	25984	2006	1394
70°	25008	1556	1090
75°	22537	1157	793
80°	18667	776	498
85°	11089	444	225



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.2	4.4
10°-20°	445.6	12.3
20°-30°	656.3	18.2
30°-40°	789.9	21.9
40°-50°	676.5	18.7
50°-60°	437.8	12.1
60°-70°	291.0	8.1
70°-80°	124.1	3.4
80°-90°	34.7	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°	1259.0	34.8
0°-40°	2048.9	56.7
0°-60°	3163.2	87.5
0°-90°	3613.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3613.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1628	1628	1628	1628	1628	
5°	1630	1636	1651	1670	1668	155
15°	1585	1628	1596	1562	1538	448
25°	1502	1511	1389	1359	1349	692
35°	1376	1323	1216	1225	1225	862
45°	1206	1072	1059	646	220	930
55°	997	846	190	181	179	891
65°	742	533	136	117	115	732
75°	418	98	70	62	60	443
85°	89	26	23	17	15	113
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1628.2	1628.2	1628.2	1628.2	1628.2
2.5°	1632.0	1626.3	1624.5	1645.2	1647.1
5°	1630.1	1635.8	1650.8	1669.7	1667.8
7.5°	1620.7	1639.5	1650.8	1679.1	1667.8
10°	1613.2	1647.1	1643.3	1645.2	1628.2
12.5°	1601.8	1633.9	1592.4	1620.7	1598.1
15°	1584.9	1628.2	1596.2	1562.3	1537.8
17.5°	1571.7	1616.9	1564.2	1483.1	1479.4
20°	1545.3	1569.8	1500.1	1441.7	1422.8
22.5°	1524.6	1552.9	1432.2	1392.7	1387.0
25°	1502.0	1511.4	1388.9	1358.7	1349.3
27.5°	1469.9	1488.8	1338.0	1322.9	1317.3
30°	1443.5	1443.5	1290.9	1290.9	1287.1
32.5°	1415.3	1383.2	1255.1	1257.0	1257.0
35°	1375.7	1322.9	1215.5	1224.9	1224.9
37.5°	1338.0	1249.4	1175.9	1191.0	1192.9
40°	1300.3	1192.9	1138.3	1155.2	944.1
42.5°	1247.6	1130.7	1098.7	889.5	672.8
45°	1206.1	1072.3	1059.1	646.4	220.5
47.5°	1159.0	1015.8	1017.6	205.4	203.5
50°	1100.6	957.3	797.2	194.1	197.9
52.5°	1057.2	904.6	561.6	188.5	190.3
55°	996.9	846.2	190.3	180.9	179.0
57.5°	940.4	791.5	177.1	167.7	160.2
60°	876.3	733.1	167.7	148.9	143.2
62.5°	810.3	674.7	154.5	131.9	128.1
65°	742.5	533.3	135.7	116.8	115.0
67.5°	670.9	350.5	115.0	103.6	101.8
70°	591.7	137.6	99.9	90.5	86.7
72.5°	508.8	118.7	84.8	77.3	73.5
75°	418.4	98.0	69.7	62.2	60.3
77.5°	333.6	73.5	56.5	49.0	47.1
80°	248.8	54.7	43.3	37.7	35.8
82.5°	169.6	39.6	32.0	26.4	24.5
85°	88.6	26.4	22.6	17.0	15.1
87.5°	33.9	17.0	13.2	7.5	7.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)