

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: P218570

Luminaire Tested: **4SNLED-LD5-36SL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218570
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3915.0 lumens
Efficiency: N/A
Efficacy: 141.3 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

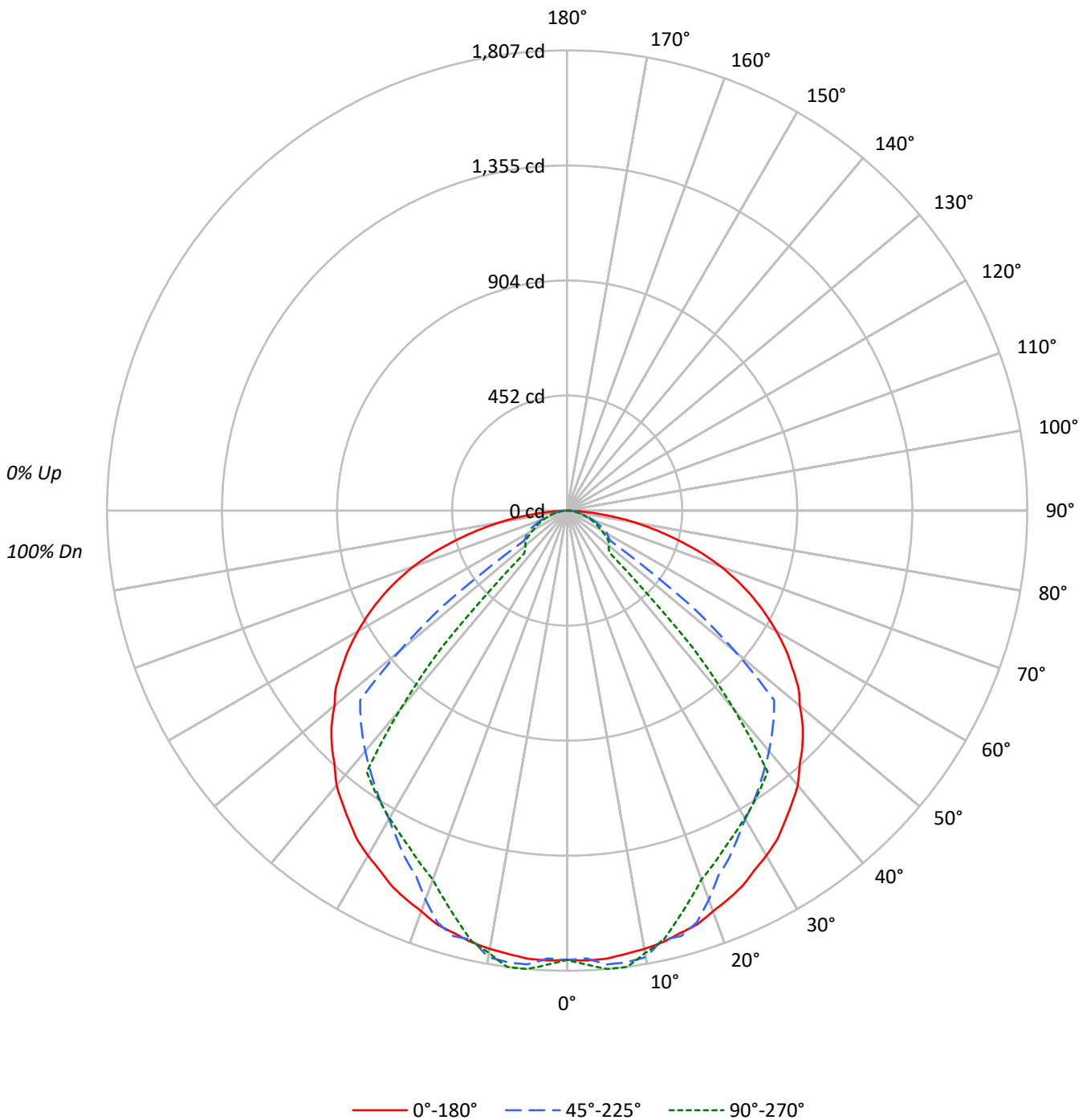
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	28429	28429	28429
5°	28468	27182	26880
10°	28392	25787	24541
15°	28333	24097	21923
20°	28284	21981	19382
25°	28383	19917	17728
30°	28419	18261	16452
35°	28491	17093	15357
40°	28635	16034	11702
45°	28588	15059	2722
50°	28480	11531	2452
55°	28639	2823	2245
60°	28539	2573	1831
65°	28157	2173	1511
70°	27100	1686	1181
75°	24417	1255	859
80°	20228	842	540
85°	12015	481	242



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.3	4.4
10°-20°	482.8	12.3
20°-30°	711.1	18.2
30°-40°	855.9	21.9
40°-50°	733.1	18.7
50°-60°	474.3	12.1
60°-70°	315.3	8.1
70°-80°	134.5	3.4
80°-90°	37.6	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°	1364.2	34.8
0°-40°	2220.2	56.7
0°-60°	3427.6	87.5
0°-90°	3915.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3915.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1764	1764	1764	1764	1764	
5°	1766	1772	1789	1809	1807	168
15°	1717	1764	1730	1693	1666	486
25°	1628	1638	1505	1472	1462	750
35°	1491	1434	1317	1327	1327	934
45°	1307	1162	1148	700	239	1008
55°	1080	917	206	196	194	966
65°	805	578	147	127	125	793
75°	453	106	76	67	65	480
85°	96	29	24	18	16	123
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1764.3	1764.3	1764.3	1764.3	1764.3
2.5°	1768.4	1762.3	1760.2	1782.7	1784.8
5°	1766.4	1772.5	1788.8	1809.3	1807.2
7.5°	1756.2	1776.6	1788.8	1819.5	1807.2
10°	1748.0	1784.8	1780.7	1782.7	1764.3
12.5°	1735.7	1770.5	1725.5	1756.2	1731.7
15°	1717.4	1764.3	1729.6	1692.9	1666.3
17.5°	1703.1	1752.1	1694.9	1607.1	1603.0
20°	1674.5	1701.0	1625.5	1562.2	1541.7
22.5°	1652.0	1682.6	1552.0	1509.1	1502.9
25°	1627.5	1637.7	1505.0	1472.3	1462.1
27.5°	1592.8	1613.2	1449.9	1433.5	1427.4
30°	1564.2	1564.2	1398.8	1398.8	1394.7
32.5°	1533.6	1498.9	1360.0	1362.0	1362.0
35°	1490.7	1433.5	1317.1	1327.3	1327.3
37.5°	1449.9	1353.9	1274.2	1290.6	1292.6
40°	1409.0	1292.6	1233.4	1251.8	1023.1
42.5°	1351.8	1225.2	1190.5	963.8	729.0
45°	1306.9	1161.9	1147.6	700.4	238.9
47.5°	1255.9	1100.7	1102.7	222.6	220.5
50°	1192.6	1037.4	863.8	210.3	214.4
52.5°	1145.6	980.2	608.5	204.2	206.2
55°	1080.2	916.9	206.2	196.0	194.0
57.5°	1019.0	857.7	192.0	181.7	173.6
60°	949.6	794.4	181.7	161.3	155.2
62.5°	878.1	731.1	167.4	142.9	138.9
65°	804.6	577.9	147.0	126.6	124.6
67.5°	727.0	379.8	124.6	112.3	110.3
70°	641.2	149.1	108.2	98.0	93.9
72.5°	551.4	128.6	91.9	83.7	79.6
75°	453.3	106.2	75.6	67.4	65.3
77.5°	361.4	79.6	61.3	53.1	51.1
80°	269.6	59.2	47.0	40.8	38.8
82.5°	183.8	42.9	34.7	28.6	26.5
85°	96.0	28.6	24.5	18.4	16.3
87.5°	36.8	18.4	14.3	8.2	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)