

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1213545

Luminaire Tested: 4SNLED-LD5-90SL-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213545
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27410)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/29/2018
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4SNLED-LD5-90SL-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

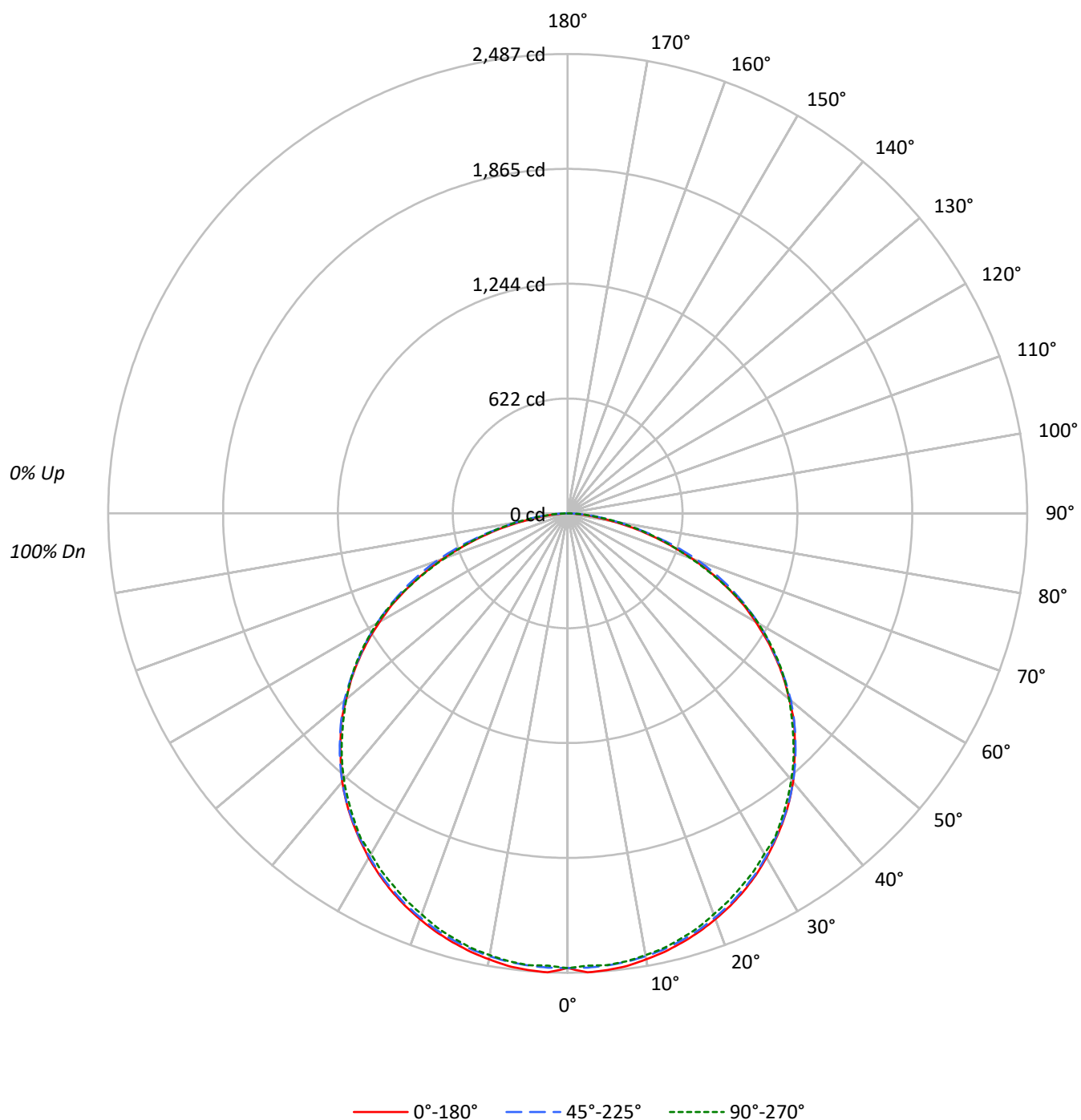
Lumens per Lamp: N/A
Luminaire Lumens: 7384.0 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): 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: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	99	96	106	101	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	63	74	68	62		72	66	61		69
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		61
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55
6	69	56	47	40	67	55	46	40	53	45	40		51	45	39		50
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19891	19891	19891
5°	20072	19439	19284
10°	20007	19012	18689
15°	19943	18586	18104
20°	19885	18130	17480
25°	19828	17671	16897
30°	19734	17181	16323
35°	19634	16671	15773
40°	19517	16125	15113
45°	19270	15478	14357
50°	18976	14774	13588
55°	18612	13833	12759
60°	18012	12874	11675
65°	17134	11628	10154
70°	15617	9992	8233
75°	13265	7625	6328
80°	9910	5022	4150
85°	5124	2446	1852

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19270 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.6	3.2
10°-20°	673.7	9.1
20°-30°	1031.3	14.0
30°-40°	1263.6	17.1
40°-50°	1336.5	18.1
50°-60°	1233.6	16.7
60°-70°	952.2	12.9
70°-80°	528.5	7.2
80°-90°	130.9	1.8
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°	1938.7	26.3
0°-40°	3202.3	43.4
0°-60°	5772.4	78.2
0°-90°	7384.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7384.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2462	2462	2462	2462	2462	
5°	2481	2449	2457	2450	2455	236
15°	2404	2376	2393	2384	2382	679
25°	2256	2229	2248	2228	2227	1040
35°	2034	2012	2030	2008	2019	1273
45°	1739	1723	1744	1725	1728	1342
55°	1380	1369	1385	1384	1391	1232
65°	956	946	983	977	958	943
75°	474	503	506	505	487	503
85°	75	111	113	114	106	101
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2461.5	2461.5	2461.5	2461.5	2461.5
2.5°	2487.3	2455.3	2461.5	2457.8	2450.4
5°	2481.1	2449.2	2456.6	2450.4	2455.3
7.5°	2471.3	2436.9	2449.2	2440.6	2445.5
10°	2451.6	2422.2	2434.4	2424.6	2428.3
12.5°	2430.8	2400.0	2417.2	2404.9	2409.9
15°	2403.7	2375.5	2392.7	2384.1	2381.6
17.5°	2374.2	2347.2	2364.4	2354.6	2350.9
20°	2338.6	2312.8	2328.8	2314.0	2310.3
22.5°	2299.3	2273.5	2291.9	2271.0	2272.2
25°	2256.2	2229.2	2247.6	2228.0	2226.8
27.5°	2207.1	2181.3	2200.9	2180.1	2182.5
30°	2153.0	2127.2	2146.9	2126.0	2128.4
32.5°	2094.0	2073.1	2090.3	2070.7	2084.2
35°	2033.8	2011.7	2030.1	2008.0	2019.1
37.5°	1968.7	1947.8	1967.5	1942.9	1952.7
40°	1898.6	1880.2	1897.4	1875.3	1883.9
42.5°	1817.5	1806.5	1823.7	1801.6	1808.9
45°	1738.9	1722.9	1743.8	1725.4	1727.8
47.5°	1660.2	1643.0	1662.7	1646.7	1645.5
50°	1565.6	1559.5	1577.9	1565.6	1564.4
52.5°	1475.9	1463.6	1483.3	1477.1	1480.8
55°	1380.0	1369.0	1385.0	1383.7	1391.1
57.5°	1280.5	1269.4	1290.3	1287.9	1294.0
60°	1174.8	1166.2	1193.3	1187.1	1192.0
62.5°	1071.6	1055.6	1090.0	1085.1	1082.7
65°	956.1	946.2	983.1	977.0	958.5
67.5°	836.9	833.2	871.3	859.0	828.3
70°	717.7	720.1	757.0	733.6	707.8
72.5°	592.3	610.8	632.9	615.7	597.2
75°	474.4	502.6	506.3	505.1	486.6
77.5°	358.8	394.5	385.9	394.5	379.7
80°	250.7	290.0	283.9	291.2	279.0
82.5°	154.8	190.5	191.7	196.6	185.6
85°	75.0	110.6	113.1	114.3	105.7
87.5°	16.0	51.6	52.8	49.2	43.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)