

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: P1214247

Luminaire Tested: 4SNLED-LD5-90SL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214247
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-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

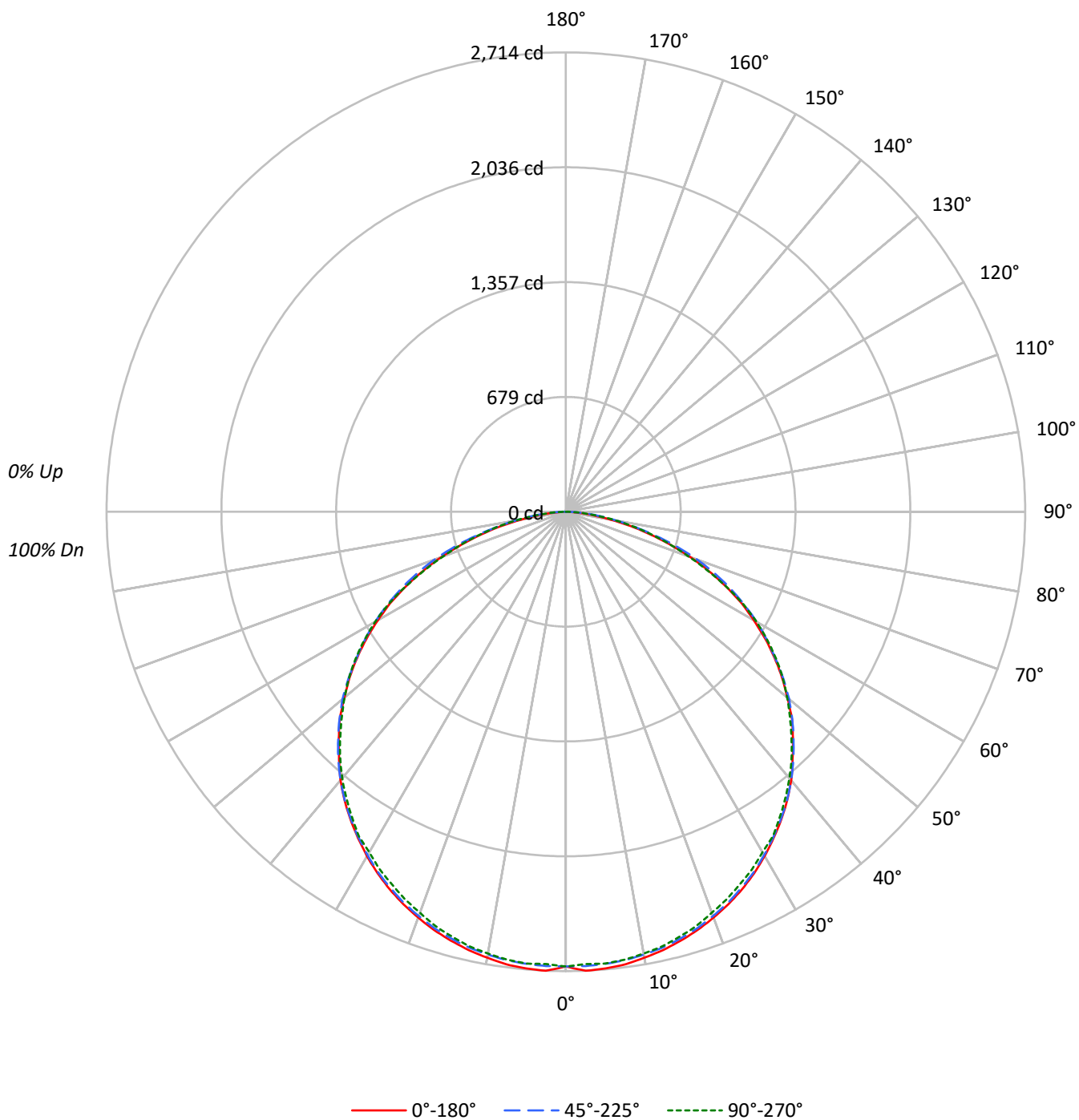
Lumens per Lamp: N/A
Luminaire Lumens: 8058.0 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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°	21707	21707	21707
5°	21904	21213	21044
10°	21833	20748	20394
15°	21763	20282	19756
20°	21699	19784	19075
25°	21639	19285	18439
30°	21535	18749	17813
35°	21427	18192	17213
40°	21298	17597	16493
45°	21029	16891	15667
50°	20708	16123	14829
55°	20311	15095	13924
60°	19657	14049	12740
65°	18696	12690	11081
70°	17042	10904	8985
75°	14476	8321	6907
80°	10816	5480	4527
85°	5588	2669	2021

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21029 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.0	3.2
10°-20°	735.2	9.1
20°-30°	1125.5	14.0
30°-40°	1378.9	17.1
40°-50°	1458.5	18.1
50°-60°	1346.2	16.7
60°-70°	1039.1	12.9
70°-80°	576.7	7.2
80°-90°	142.9	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°	2115.6	26.3
0°-40°	3494.6	43.4
0°-60°	6299.3	78.2
0°-90°	8058.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8058.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2686	2686	2686	2686	2686	
5°	2708	2673	2681	2674	2679	257
15°	2623	2592	2611	2602	2599	741
25°	2462	2433	2453	2431	2430	1135
35°	2220	2195	2215	2191	2203	1389
45°	1898	1880	1903	1883	1886	1464
55°	1506	1494	1511	1510	1518	1344
65°	1043	1033	1073	1066	1046	1029
75°	518	548	552	551	531	549
85°	82	121	123	125	115	110
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2686.2	2686.2	2686.2	2686.2	2686.2
2.5°	2714.3	2679.4	2686.2	2682.1	2674.1
5°	2707.6	2672.7	2680.8	2674.1	2679.4
7.5°	2696.9	2659.3	2672.7	2663.4	2668.7
10°	2675.4	2643.2	2656.7	2645.9	2649.9
12.5°	2652.6	2619.1	2637.9	2624.5	2629.8
15°	2623.1	2592.3	2611.1	2601.7	2599.0
17.5°	2590.9	2561.4	2580.2	2569.5	2565.5
20°	2552.0	2523.9	2541.3	2525.2	2521.2
22.5°	2509.1	2481.0	2501.1	2478.3	2479.6
25°	2462.2	2432.7	2452.8	2431.4	2430.0
27.5°	2408.6	2380.4	2401.8	2379.1	2381.7
30°	2349.5	2321.4	2342.8	2320.0	2322.7
32.5°	2285.2	2262.4	2281.2	2259.7	2274.4
35°	2219.5	2195.3	2215.4	2191.3	2203.4
37.5°	2148.4	2125.6	2147.0	2120.2	2131.0
40°	2071.9	2051.8	2070.6	2046.5	2055.9
42.5°	1983.4	1971.4	1990.1	1966.0	1974.0
45°	1897.6	1880.2	1903.0	1882.9	1885.5
47.5°	1811.8	1793.0	1814.5	1797.0	1795.7
50°	1708.5	1701.8	1721.9	1708.5	1707.2
52.5°	1610.6	1597.2	1618.7	1612.0	1616.0
55°	1506.0	1493.9	1511.4	1510.0	1518.1
57.5°	1397.4	1385.3	1408.1	1405.4	1412.1
60°	1282.1	1272.7	1302.2	1295.5	1300.8
62.5°	1169.4	1152.0	1189.5	1184.2	1181.5
65°	1043.3	1032.6	1072.9	1066.1	1046.0
67.5°	913.3	909.2	950.8	937.4	903.9
70°	783.2	785.9	826.1	800.6	772.5
72.5°	646.4	666.5	690.6	671.9	651.8
75°	517.7	548.5	552.5	551.2	531.1
77.5°	391.6	430.5	421.1	430.5	414.4
80°	273.6	316.5	309.8	317.8	304.4
82.5°	169.0	207.9	209.2	214.6	202.5
85°	81.8	120.7	123.4	124.7	115.3
87.5°	17.4	56.3	57.7	53.6	46.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)