

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: P1213129

Luminaire Tested: 4SNLED-LD5-56SL-UNV-L930-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213129
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-LD5-56SL-UNV-L930-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

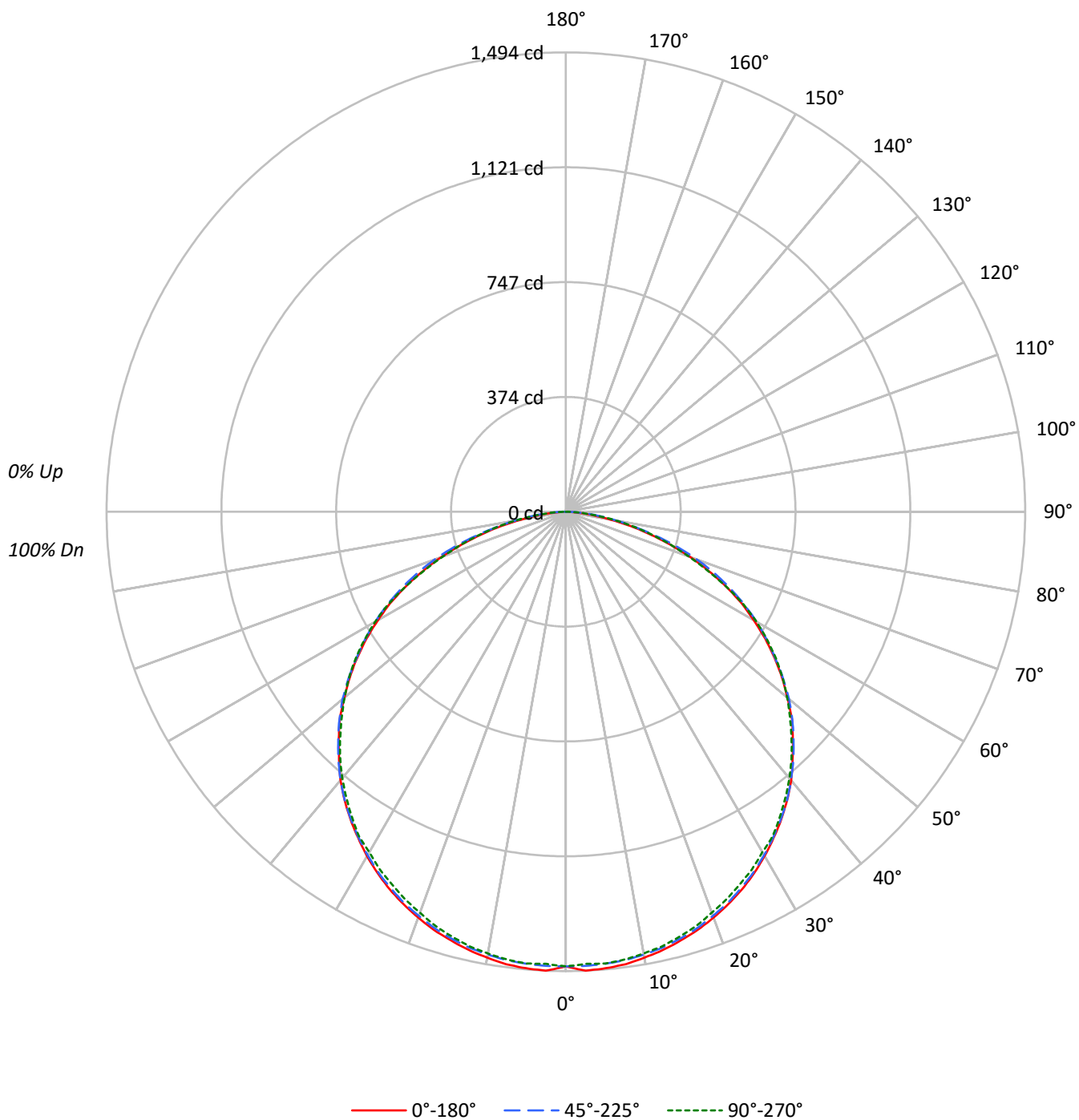
Lumens per Lamp: N/A
Luminaire Lumens: 4435.0 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 41
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°	11947	11947	11947
5°	12055	11675	11582
10°	12017	11419	11225
15°	11978	11163	10873
20°	11943	10889	10498
25°	11910	10614	10148
30°	11853	10319	9804
35°	11793	10013	9473
40°	11723	9685	9077
45°	11574	9297	8623
50°	11397	8874	8161
55°	11179	8308	7663
60°	10818	7732	7013
65°	10290	6984	6099
70°	9380	6002	4945
75°	7966	4580	3801
80°	5953	3016	2491
85°	3074	1469	1113

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11574 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.3	3.2
10°-20°	404.7	9.1
20°-30°	619.4	14.0
30°-40°	758.9	17.1
40°-50°	802.7	18.1
50°-60°	741.0	16.7
60°-70°	571.9	12.9
70°-80°	317.4	7.2
80°-90°	78.6	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°	1164.4	26.3
0°-40°	1923.3	43.4
0°-60°	3467.0	78.2
0°-90°	4435.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4435.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1478	1478	1478	1478	1478	
5°	1490	1471	1476	1472	1475	142
15°	1444	1427	1437	1432	1430	408
25°	1355	1339	1350	1338	1337	625
35°	1222	1208	1219	1206	1213	764
45°	1044	1035	1047	1036	1038	806
55°	829	822	832	831	836	740
65°	574	568	590	587	576	566
75°	285	302	304	303	292	302
85°	45	66	68	69	64	61
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1478.4	1478.4	1478.4	1478.4	1478.4
2.5°	1493.9	1474.7	1478.4	1476.2	1471.8
5°	1490.2	1471.0	1475.5	1471.8	1474.7
7.5°	1484.3	1463.7	1471.0	1465.9	1468.8
10°	1472.5	1454.8	1462.2	1456.3	1458.5
12.5°	1460.0	1441.5	1451.8	1444.5	1447.4
15°	1443.7	1426.8	1437.1	1431.9	1430.4
17.5°	1426.0	1409.8	1420.1	1414.2	1412.0
20°	1404.6	1389.1	1398.7	1389.8	1387.6
22.5°	1381.0	1365.5	1376.6	1364.0	1364.8
25°	1355.2	1338.9	1350.0	1338.2	1337.4
27.5°	1325.6	1310.1	1321.9	1309.4	1310.9
30°	1293.2	1277.7	1289.5	1276.9	1278.4
32.5°	1257.7	1245.2	1255.5	1243.7	1251.8
35°	1221.6	1208.3	1219.3	1206.1	1212.7
37.5°	1182.4	1169.9	1181.7	1166.9	1172.8
40°	1140.4	1129.3	1139.6	1126.3	1131.5
42.5°	1091.7	1085.0	1095.3	1082.1	1086.5
45°	1044.4	1034.8	1047.4	1036.3	1037.8
47.5°	997.2	986.8	998.7	989.1	988.3
50°	940.3	936.7	947.7	940.3	939.6
52.5°	886.5	879.1	890.9	887.2	889.4
55°	828.9	822.2	831.8	831.1	835.5
57.5°	769.1	762.5	775.0	773.5	777.2
60°	705.6	700.5	716.7	713.0	716.0
62.5°	643.6	634.0	654.7	651.7	650.3
65°	574.2	568.3	590.5	586.8	575.7
67.5°	502.6	500.4	523.3	515.9	497.5
70°	431.1	432.5	454.7	440.6	425.1
72.5°	355.8	366.8	380.1	369.8	358.7
75°	284.9	301.9	304.1	303.4	292.3
77.5°	215.5	236.9	231.8	236.9	228.1
80°	150.6	174.2	170.5	174.9	167.5
82.5°	93.0	114.4	115.1	118.1	111.5
85°	45.0	66.4	67.9	68.6	63.5
87.5°	9.6	31.0	31.7	29.5	25.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)