

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: P1213824

Luminaire Tested: 4SNLED-LD5-56HL-UNV-L940-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213824
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-LD5-56HL-UNV-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

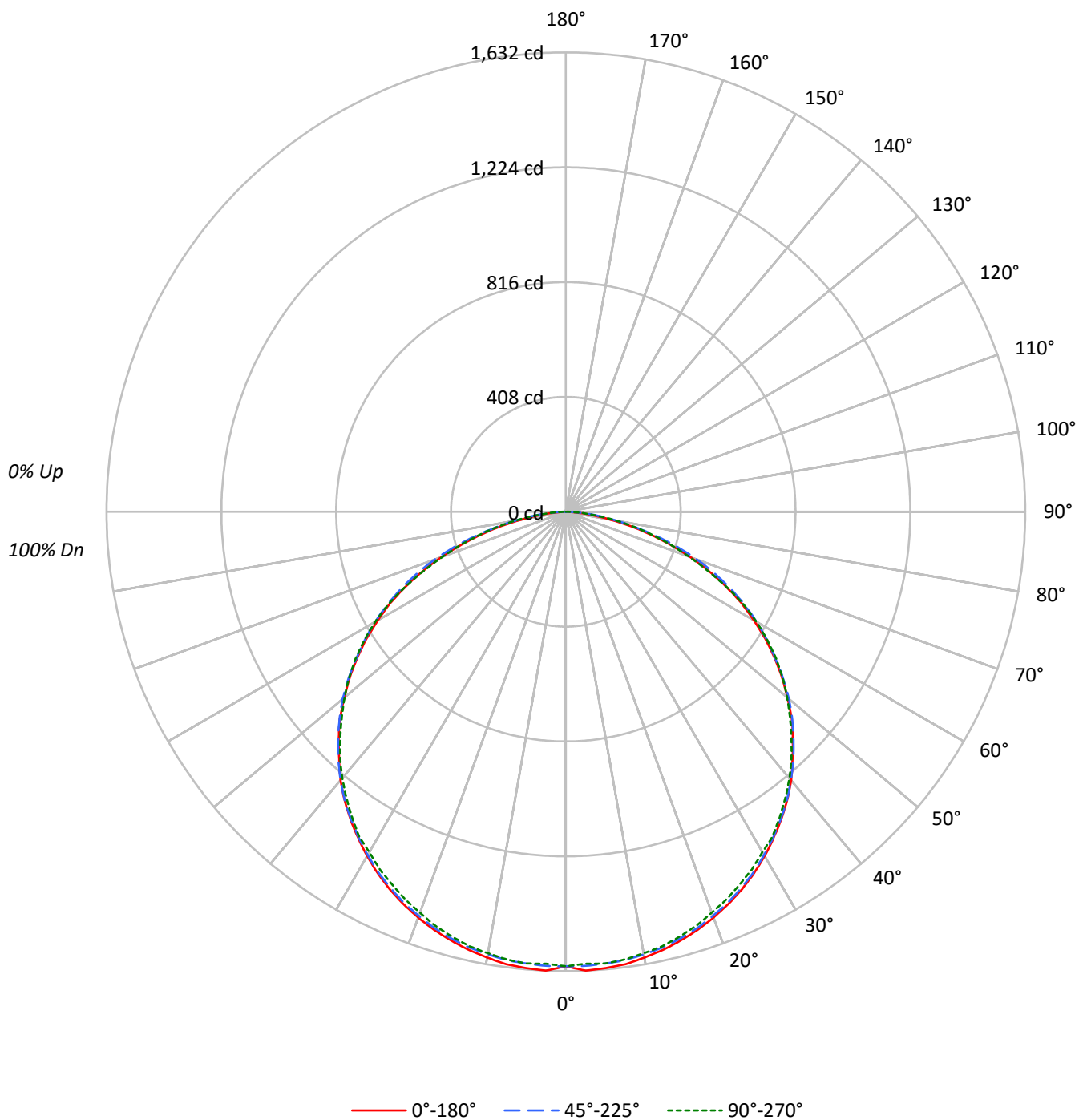
Lumens per Lamp: N/A
Luminaire Lumens: 4844.0 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 37
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

TEST NUMBER: P1213824

CATALOG NUMBER: 4SNLED-LD5-56HL-UNV-L940-CD1-U

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°	13049	13049	13049
5°	13168	12752	12650
10°	13125	12472	12260
15°	13083	12192	11877
20°	13044	11893	11467
25°	13008	11593	11085
30°	12946	11271	10708
35°	12880	10937	10347
40°	12803	10578	9915
45°	12641	10154	9418
50°	12449	9692	8915
55°	12210	9075	8370
60°	11816	8446	7659
65°	11240	7628	6661
70°	10244	6555	5402
75°	8702	5002	4151
80°	6503	3294	2722
85°	3361	1605	1215

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12641 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.3	3.2
10°-20°	442.0	9.1
20°-30°	676.6	14.0
30°-40°	828.9	17.1
40°-50°	876.8	18.1
50°-60°	809.3	16.7
60°-70°	624.6	12.9
70°-80°	346.7	7.2
80°-90°	85.9	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°	1271.8	26.3
0°-40°	2100.7	43.4
0°-60°	3786.8	78.2
0°-90°	4844.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4844.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1615	1615	1615	1615	1615	
5°	1628	1607	1612	1608	1611	155
15°	1577	1558	1570	1564	1562	445
25°	1480	1462	1474	1462	1461	682
35°	1334	1320	1332	1317	1324	835
45°	1141	1130	1144	1132	1134	880
55°	905	898	909	908	913	808
65°	627	621	645	641	629	618
75°	311	330	332	331	319	330
85°	49	73	74	75	69	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1614.8	1614.8	1614.8	1614.8	1614.8
2.5°	1631.7	1610.7	1614.8	1612.3	1607.5
5°	1627.7	1606.7	1611.5	1607.5	1610.7
7.5°	1621.2	1598.6	1606.7	1601.1	1604.3
10°	1608.3	1589.0	1597.0	1590.6	1593.0
12.5°	1594.6	1574.5	1585.7	1577.7	1580.9
15°	1576.9	1558.3	1569.6	1564.0	1562.4
17.5°	1557.5	1539.8	1551.1	1544.6	1542.2
20°	1534.1	1517.2	1527.7	1518.0	1515.6
22.5°	1508.3	1491.4	1503.5	1489.8	1490.6
25°	1480.1	1462.4	1474.5	1461.6	1460.8
27.5°	1447.9	1431.0	1443.9	1430.1	1431.8
30°	1412.4	1395.5	1408.4	1394.7	1396.3
32.5°	1373.7	1360.0	1371.3	1358.4	1367.3
35°	1334.2	1319.7	1331.8	1317.3	1324.5
37.5°	1291.5	1277.8	1290.7	1274.6	1281.0
40°	1245.5	1233.4	1244.7	1230.2	1235.9
42.5°	1192.3	1185.1	1196.4	1181.8	1186.7
45°	1140.7	1130.3	1144.0	1131.9	1133.5
47.5°	1089.1	1077.8	1090.7	1080.3	1079.5
50°	1027.1	1023.0	1035.1	1027.1	1026.3
52.5°	968.2	960.1	973.0	969.0	971.4
55°	905.3	898.1	908.6	907.7	912.6
57.5°	840.0	832.8	846.5	844.9	848.9
60°	770.7	765.1	782.8	778.8	782.0
62.5°	703.0	692.5	715.1	711.8	710.2
65°	627.2	620.8	644.9	640.9	628.8
67.5°	549.0	546.6	571.6	563.5	543.4
70°	470.8	472.4	496.6	481.3	464.4
72.5°	388.6	400.7	415.2	403.9	391.8
75°	311.2	329.7	332.1	331.3	319.2
77.5°	235.4	258.8	253.1	258.8	249.1
80°	164.5	190.3	186.2	191.1	183.0
82.5°	101.6	125.0	125.8	129.0	121.7
85°	49.2	72.6	74.2	75.0	69.3
87.5°	10.5	33.9	34.7	32.2	28.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)