

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: P1214175

Luminaire Tested: 4SNLED-LD5-56HL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214175
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-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

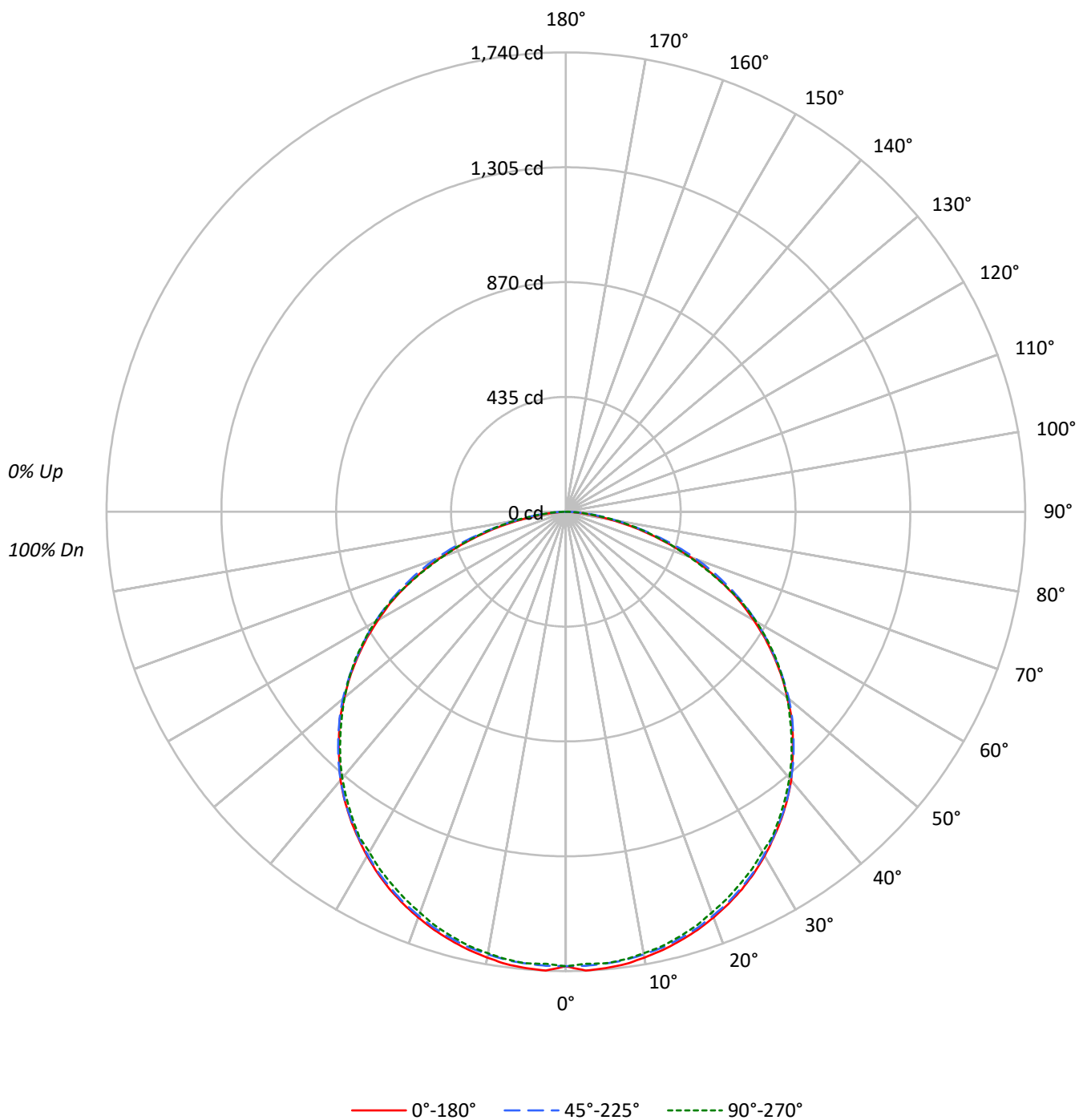
Lumens per Lamp: N/A
Luminaire Lumens: 5164.0 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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

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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°	13911	13911	13911
5°	14037	13594	13486
10°	13992	13296	13070
15°	13947	12998	12661
20°	13907	12679	12224
25°	13867	12359	11817
30°	13801	12015	11415
35°	13732	11659	11030
40°	13649	11278	10569
45°	13477	10824	10041
50°	13271	10332	9503
55°	13016	9674	8923
60°	12597	9003	8164
65°	11982	8132	7102
70°	10921	6988	5758
75°	9275	5333	4425
80°	6930	3512	2902
85°	3580	1711	1295

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13477 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.4	3.2
10°-20°	471.2	9.1
20°-30°	721.2	14.0
30°-40°	883.7	17.1
40°-50°	934.7	18.1
50°-60°	862.7	16.7
60°-70°	665.9	12.9
70°-80°	369.6	7.2
80°-90°	91.6	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°	1355.8	26.3
0°-40°	2239.5	43.4
0°-60°	4036.9	78.2
0°-90°	5164.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5164.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1721	1721	1721	1721	1721	
5°	1735	1713	1718	1714	1717	165
15°	1681	1661	1673	1667	1666	475
25°	1578	1559	1572	1558	1557	727
35°	1422	1407	1420	1404	1412	890
45°	1216	1205	1220	1207	1208	938
55°	965	957	969	968	973	861
65°	669	662	688	683	670	659
75°	332	352	354	353	340	352
85°	52	77	79	80	74	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1721.4	1721.4	1721.4	1721.4	1721.4
2.5°	1739.5	1717.1	1721.4	1718.9	1713.7
5°	1735.2	1712.8	1718.0	1713.7	1717.1
7.5°	1728.3	1704.2	1712.8	1706.8	1710.3
10°	1714.6	1693.9	1702.5	1695.6	1698.2
12.5°	1699.9	1678.5	1690.5	1681.9	1685.3
15°	1681.0	1661.3	1673.3	1667.3	1665.6
17.5°	1660.4	1641.5	1653.5	1646.7	1644.1
20°	1635.5	1617.4	1628.6	1618.3	1615.7
22.5°	1608.0	1589.9	1602.8	1588.2	1589.1
25°	1577.9	1559.0	1571.9	1558.1	1557.3
27.5°	1543.5	1525.5	1539.2	1524.6	1526.3
30°	1505.7	1487.7	1501.4	1486.8	1488.5
32.5°	1464.5	1449.9	1461.9	1448.1	1457.6
35°	1422.4	1406.9	1419.8	1404.3	1412.0
37.5°	1376.8	1362.2	1375.9	1358.8	1365.6
40°	1327.8	1314.9	1327.0	1311.5	1317.5
42.5°	1271.1	1263.4	1275.4	1259.9	1265.1
45°	1216.1	1204.9	1219.5	1206.6	1208.4
47.5°	1161.1	1149.1	1162.8	1151.6	1150.8
50°	1094.9	1090.6	1103.5	1094.9	1094.1
52.5°	1032.2	1023.6	1037.3	1033.0	1035.6
55°	965.1	957.4	968.6	967.7	972.9
57.5°	895.5	887.8	902.4	900.7	905.0
60°	821.6	815.6	834.5	830.2	833.6
62.5°	749.4	738.2	762.3	758.9	757.2
65°	668.6	661.8	687.5	683.2	670.4
67.5°	585.3	582.7	609.3	600.7	579.3
70°	501.9	503.6	529.4	513.1	495.0
72.5°	414.2	427.1	442.6	430.6	417.7
75°	331.7	351.5	354.1	353.2	340.3
77.5°	251.0	275.9	269.9	275.9	265.6
80°	175.3	202.8	198.5	203.7	195.1
82.5°	108.3	133.2	134.1	137.5	129.8
85°	52.4	77.3	79.1	79.9	73.9
87.5°	11.2	36.1	37.0	34.4	30.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)