

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: P1213831

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

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213831
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-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

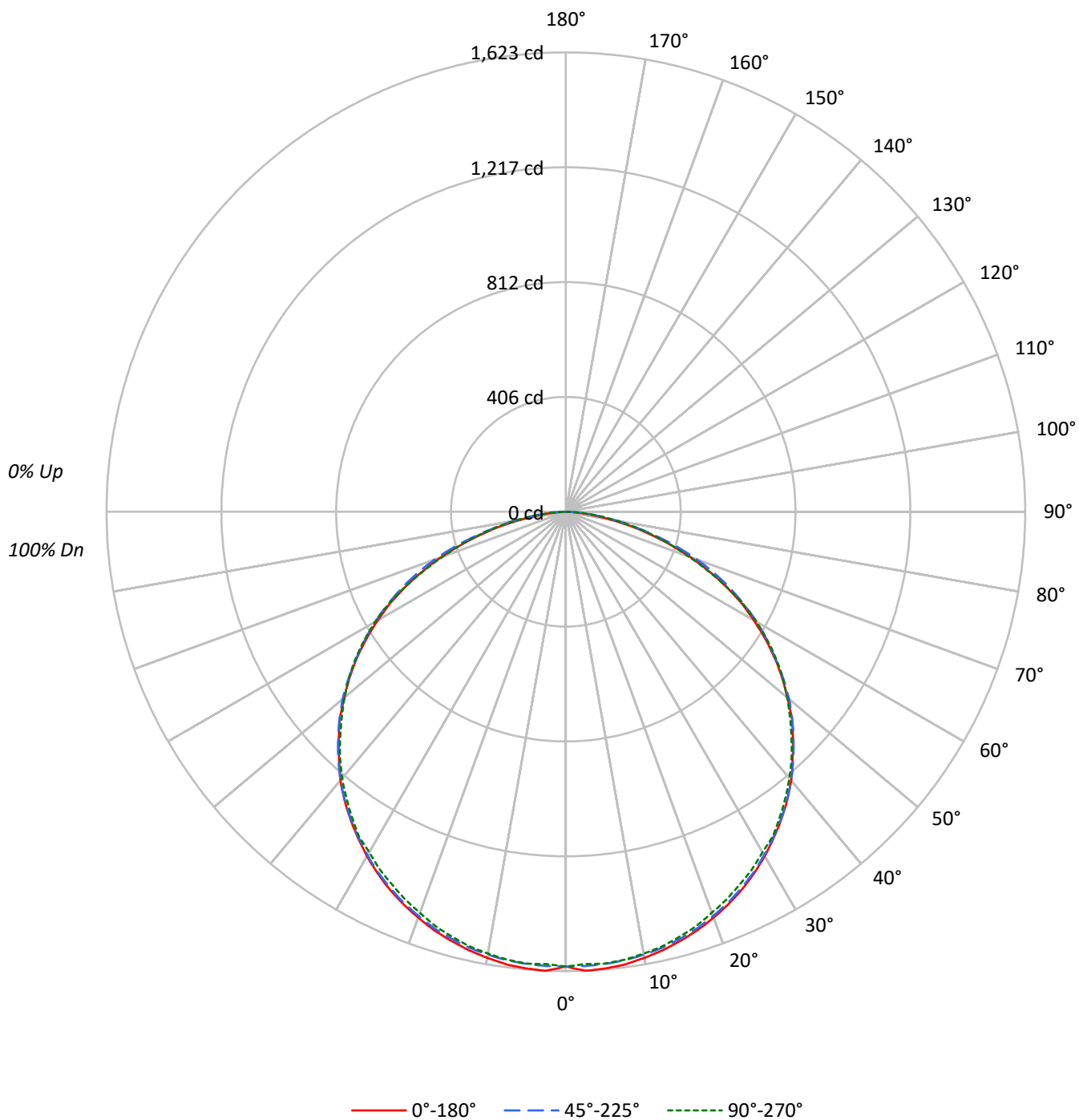
Lumens per Lamp: N/A
Luminaire Lumens: 4819.0 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83		
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69		
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58		
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49		
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42		
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37		
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33		
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29		
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26		
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12981	12981	12981
5°	13100	12686	12585
10°	13057	12408	12197
15°	13015	12129	11815
20°	12977	11832	11408
25°	12941	11533	11027
30°	12879	11213	10653
35°	12814	10880	10294
40°	12737	10524	9863
45°	12576	10102	9369
50°	12385	9642	8868
55°	12148	9028	8327
60°	11755	8402	7619
65°	11182	7589	6627
70°	10192	6521	5374
75°	8657	4976	4130
80°	6467	3278	2708
85°	3341	1596	1209

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12576 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.5	3.2
10°-20°	439.7	9.1
20°-30°	673.1	14.0
30°-40°	824.6	17.1
40°-50°	872.2	18.1
50°-60°	805.1	16.7
60°-70°	621.4	12.9
70°-80°	344.9	7.2
80°-90°	85.4	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°	1265.2	26.3
0°-40°	2089.9	43.4
0°-60°	3767.2	78.2
0°-90°	4819.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4819.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1606	1606	1606	1606	1606	
5°	1619	1598	1603	1599	1602	154
15°	1569	1550	1562	1556	1554	443
25°	1472	1455	1467	1454	1453	679
35°	1327	1313	1325	1310	1318	830
45°	1135	1124	1138	1126	1128	876
55°	901	893	904	903	908	804
65°	624	618	642	638	626	615
75°	310	328	330	330	318	328
85°	49	72	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°	1606.4	1606.4	1606.4	1606.4	1606.4
2.5°	1623.3	1602.4	1606.4	1604.0	1599.2
5°	1619.3	1598.4	1603.2	1599.2	1602.4
7.5°	1612.8	1590.4	1598.4	1592.8	1596.0
10°	1600.0	1580.8	1588.8	1582.4	1584.8
12.5°	1586.4	1566.3	1577.6	1569.5	1572.7
15°	1568.7	1550.3	1561.5	1555.9	1554.3
17.5°	1549.5	1531.8	1543.1	1536.7	1534.2
20°	1526.2	1509.4	1519.8	1510.2	1507.8
22.5°	1500.6	1483.7	1495.7	1482.1	1482.9
25°	1472.5	1454.8	1466.9	1454.0	1453.2
27.5°	1440.4	1423.6	1436.4	1422.8	1424.4
30°	1405.1	1388.3	1401.1	1387.5	1389.1
32.5°	1366.6	1353.0	1364.2	1351.4	1360.2
35°	1327.3	1312.9	1324.9	1310.5	1317.7
37.5°	1284.8	1271.2	1284.0	1268.0	1274.4
40°	1239.1	1227.1	1238.3	1223.9	1229.5
42.5°	1186.2	1179.0	1190.2	1175.7	1180.6
45°	1134.8	1124.4	1138.1	1126.0	1127.6
47.5°	1083.5	1072.3	1085.1	1074.7	1073.9
50°	1021.8	1017.8	1029.8	1021.8	1021.0
52.5°	963.2	955.2	968.0	964.0	966.4
55°	900.7	893.4	903.9	903.1	907.9
57.5°	835.7	828.5	842.1	840.5	844.5
60°	766.7	761.1	778.8	774.7	777.9
62.5°	699.4	688.9	711.4	708.2	706.6
65°	624.0	617.5	641.6	637.6	625.6
67.5°	546.2	543.8	568.6	560.6	540.6
70°	468.4	470.0	494.0	478.8	462.0
72.5°	386.6	398.6	413.0	401.8	389.8
75°	309.6	328.0	330.4	329.6	317.6
77.5°	234.2	257.4	251.8	257.4	247.8
80°	163.6	189.3	185.3	190.1	182.1
82.5°	101.1	124.3	125.1	128.3	121.1
85°	48.9	72.2	73.8	74.6	69.0
87.5°	10.4	33.7	34.5	32.1	28.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)