

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P560166

Luminaire Tested: **SDL-PA1-30-727-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560166
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-727-U-T2U-HSS
Description: Springdale
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2297.3 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 30.1
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



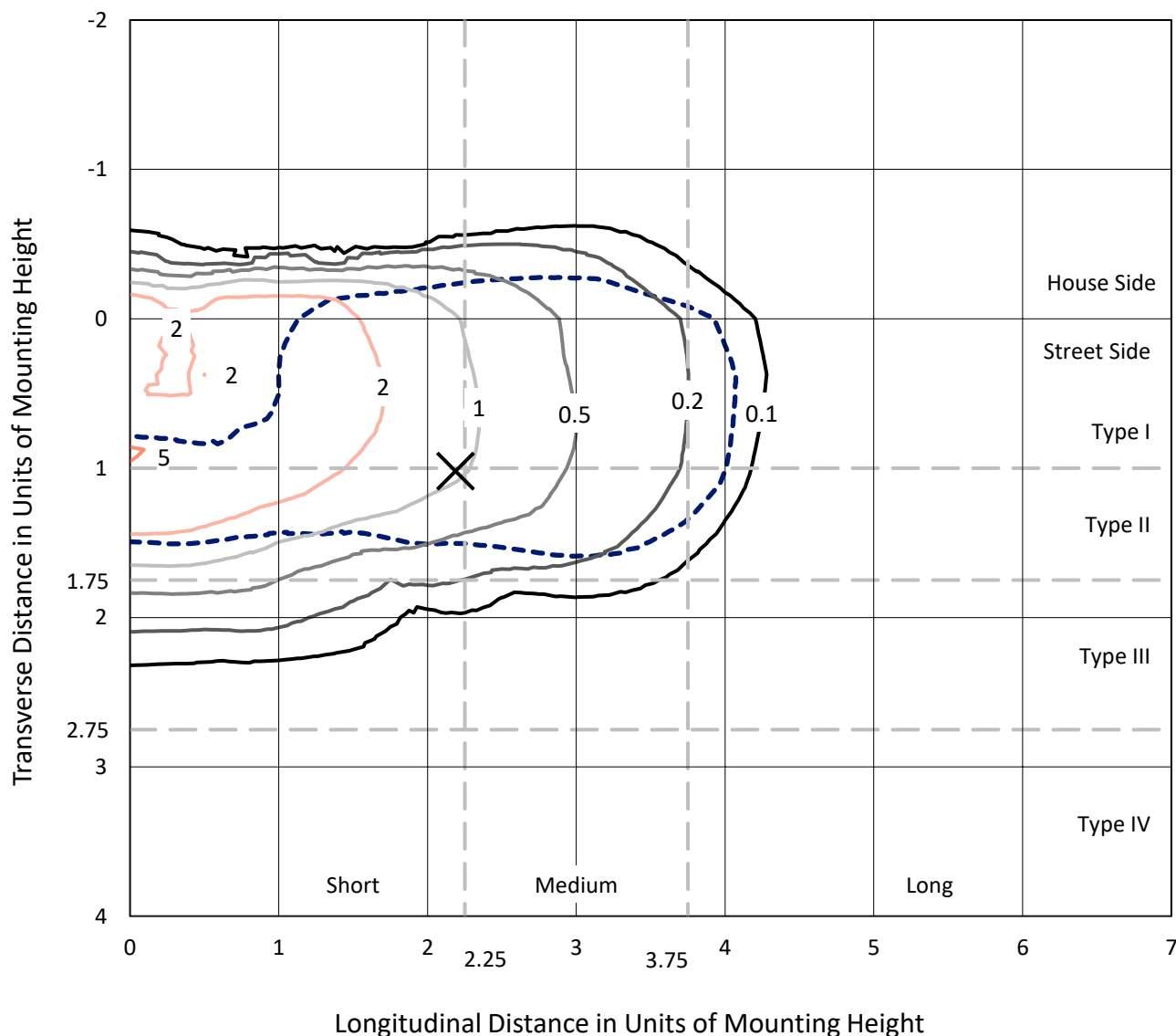
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

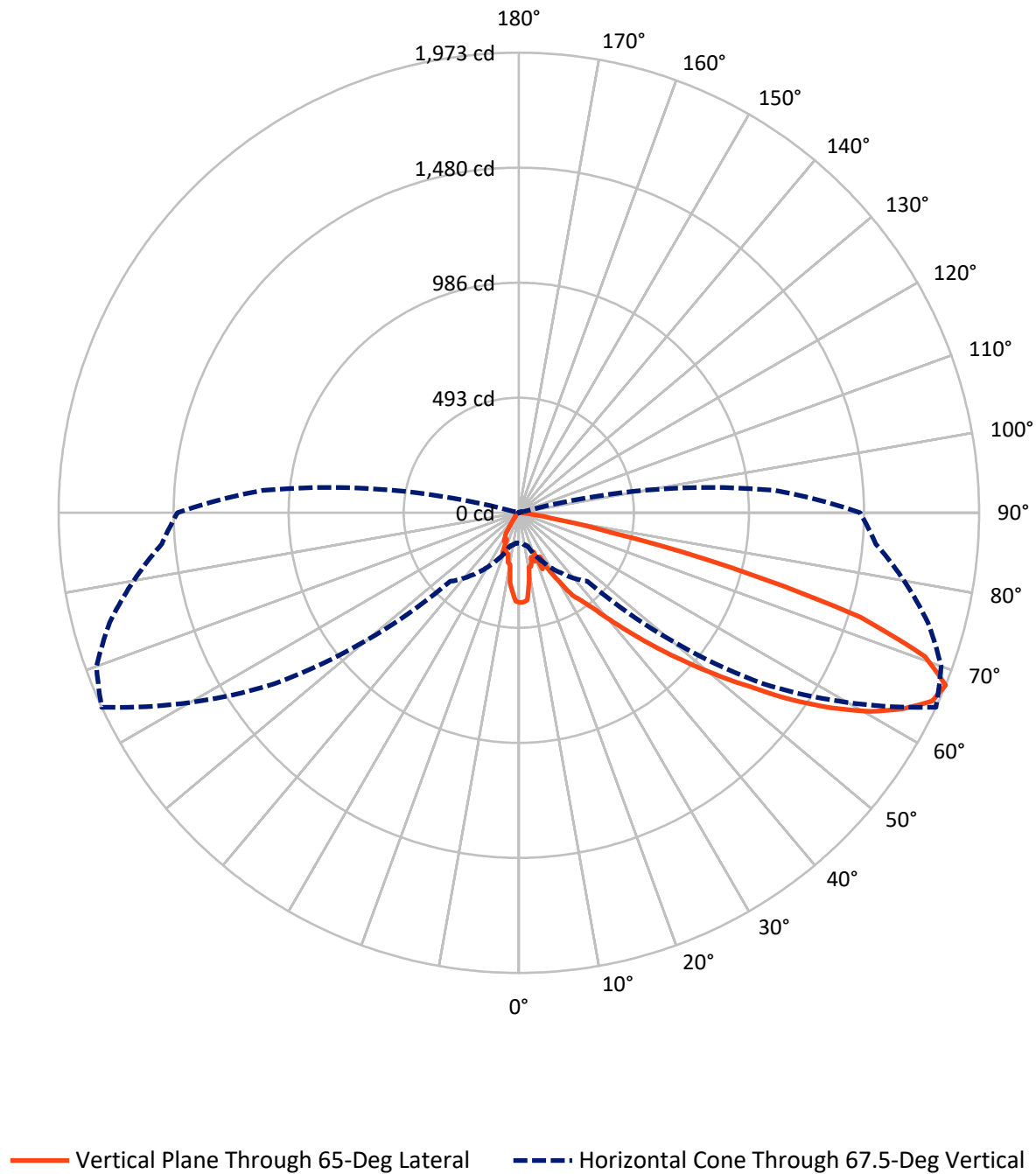
--- 1/2 Max cd



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Luminous Intensity Polar Plot



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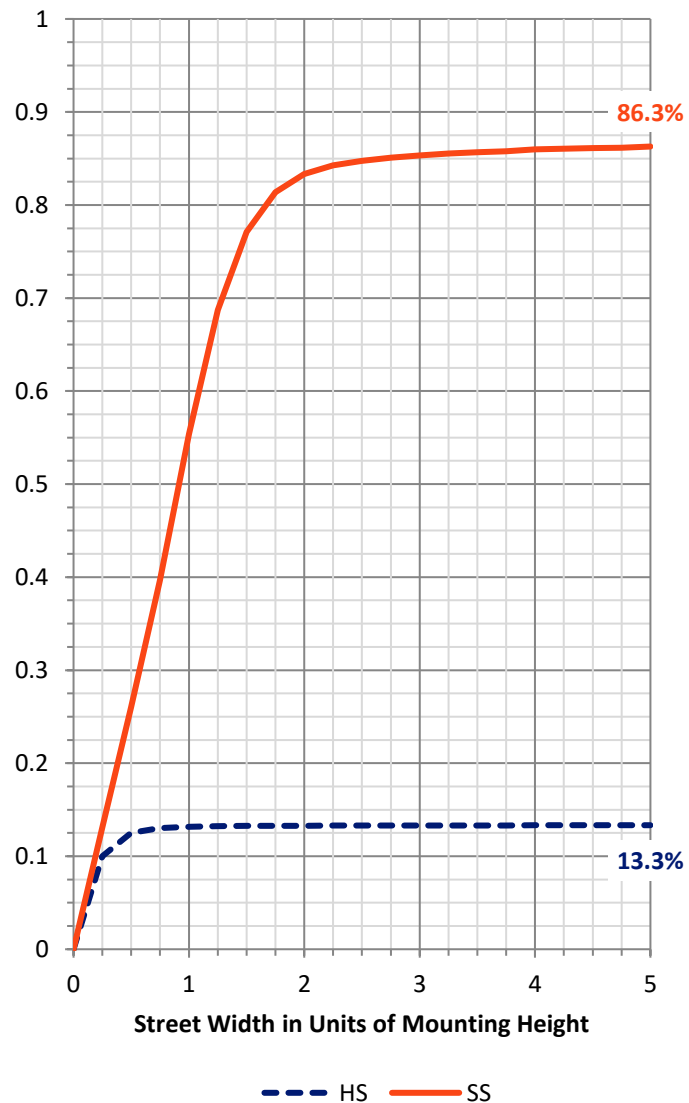
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	310.6	0.0	310.6
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	1986.7	0.0	1986.7
	% Fixture	86.5	0.0	86.5
Total	Lumens	2297.3	0.0	2297.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.5	1.3
10°-20°	57.1	2.5
20°-30°	86.2	3.8
30°-40°	198.6	8.6
40°-50°	435.7	19.0
50°-60°	639.6	27.8
60°-70°	555.5	24.2
70°-80°	275.5	12.0
80°-90°	19.6	0.9
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°-90°	2297.3	100.0
0°-180°	2297.3	100.0

Coefficient of Utilization



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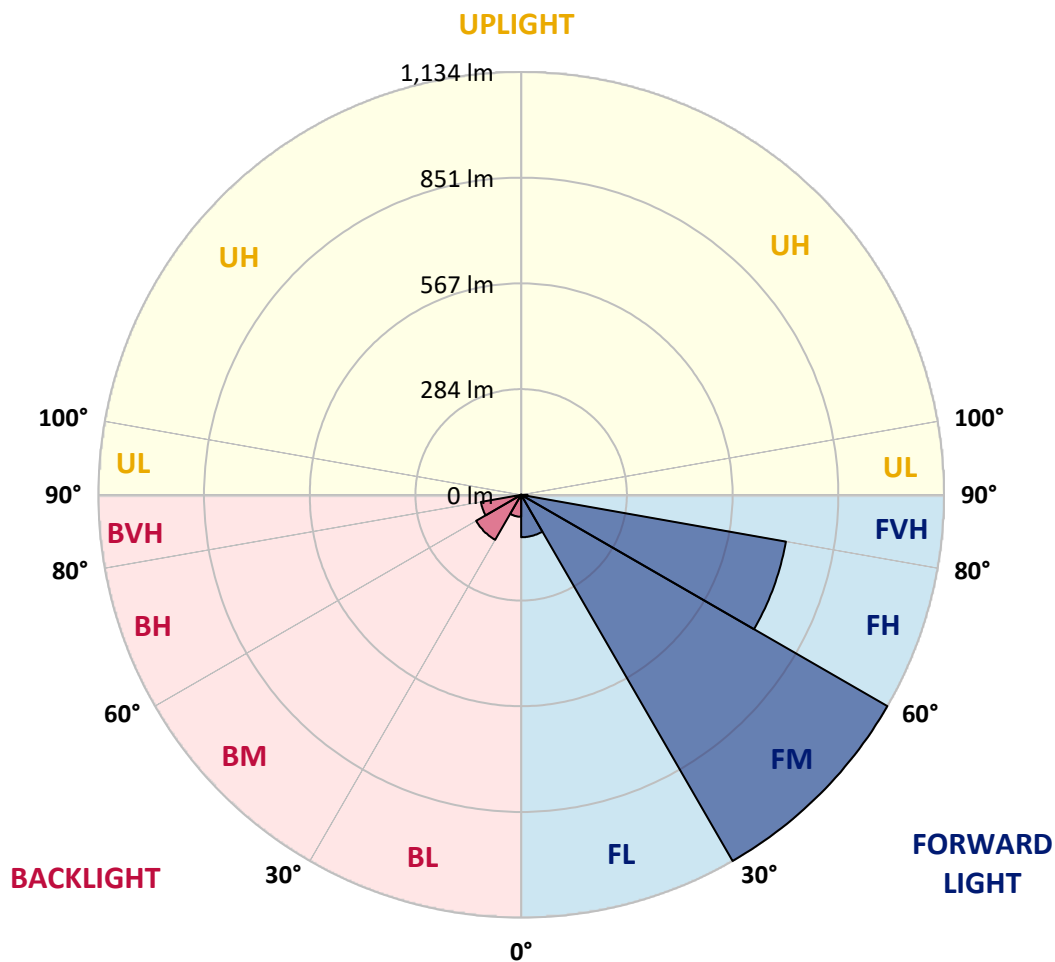
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	113.9	5.0			
FM	(30°-60°)	1134.4	49.4			
FH	(60°-80°)	721.3	31.4			G1/1800
FVH	(80°-90°)	17.2	0.7			G1/100
BL	(0°-30°)	59.0	2.6	B0/110		
BM	(30°-60°)	139.5	6.1	B0/220		
BH	(60°-80°)	109.8	4.8	B0/110		G0/110
BVH	(80°-90°)	2.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	384.6	384.6	384.6	384.6	384.6	384.6	384.6	384.6	384.6	384.6	384.6
2.5°	322.1	348.7	356.8	364.9	371.9	378.8	380.0	381.1	383.5	384.6	385.8
5°	315.1	316.3	316.3	315.1	316.3	317.4	317.4	317.4	317.4	317.4	318.6
7.5°	252.6	282.7	291.9	300.1	304.7	308.2	310.5	311.6	312.8	314.0	315.1
10°	304.7	303.5	304.7	304.7	305.8	305.8	279.2	252.6	261.8	269.9	256.0
12.5°	242.1	266.5	276.9	287.3	294.3	300.1	288.5	275.7	251.4	225.9	227.1
15°	291.9	291.9	291.9	291.9	269.9	246.8	231.7	215.5	228.2	239.8	216.6
17.5°	235.2	235.2	256.0	276.9	276.9	275.7	260.7	244.4	212.0	179.6	208.5
20°	290.8	290.8	291.9	293.1	254.9	216.6	229.4	241.0	245.6	250.2	239.8
22.5°	237.5	237.5	241.0	243.3	257.2	271.1	234.0	196.9	227.1	257.2	236.3
25°	307.0	308.2	310.5	311.6	276.9	241.0	257.2	273.4	241.0	208.5	241.0
27.5°	278.0	273.4	273.4	272.2	283.8	294.3	271.1	247.9	268.8	289.6	265.3
30°	390.4	386.9	382.3	377.7	333.6	289.6	290.8	290.8	282.7	274.6	288.5
32.5°	541.0	535.2	495.8	456.4	424.0	391.6	358.0	324.4	336.0	346.4	339.4
35°	726.4	726.4	689.3	652.2	579.2	506.3	449.5	391.6	386.9	382.3	389.3
37.5°	946.5	923.3	879.3	835.3	744.9	653.4	566.5	479.6	469.2	457.6	446.0
40°	1109.8	1106.4	1072.8	1039.2	928.0	816.7	714.8	611.7	578.1	543.3	517.8
42.5°	1280.1	1267.4	1240.8	1212.9	1100.6	987.0	878.1	768.1	721.7	675.4	630.2
45°	1402.9	1399.5	1376.3	1353.1	1261.6	1168.9	1055.4	940.7	910.6	880.5	795.9
47.5°	1479.4	1459.7	1450.4	1440.0	1361.2	1282.5	1186.3	1089.0	1084.4	1078.6	972.0
50°	1456.2	1438.9	1441.2	1443.5	1405.3	1367.0	1294.0	1219.9	1232.6	1245.4	1157.3
52.5°	1333.4	1318.4	1339.2	1358.9	1357.8	1356.6	1330.0	1302.2	1348.5	1393.7	1333.4
55°	1087.8	1098.3	1140.0	1181.7	1209.5	1236.1	1274.3	1311.4	1399.5	1486.4	1474.8
57.5°	852.7	875.8	918.7	960.4	1005.6	1049.6	1130.7	1211.8	1360.1	1507.2	1558.2
60°	572.3	587.4	662.7	736.8	778.5	820.2	908.3	995.1	1196.7	1397.1	1530.4
62.5°	355.7	363.8	406.6	449.5	534.1	618.6	662.7	705.5	923.3	1140.0	1386.7
65°	219.0	216.6	234.0	250.2	333.6	415.9	444.9	472.7	617.5	761.1	1144.6
67.5°	130.9	129.8	139.0	148.3	186.5	224.7	269.9	315.1	366.1	415.9	848.0
70°	106.6	108.9	112.4	115.8	126.3	136.7	178.4	220.1	219.0	217.8	509.7
72.5°	89.2	91.5	98.5	104.3	112.4	119.3	143.7	166.8	156.4	146.0	243.3
75°	66.0	67.2	76.5	84.6	97.3	108.9	114.7	119.3	114.7	110.1	122.8
77.5°	44.0	44.0	52.1	60.2	73.0	85.7	92.7	99.6	91.5	83.4	86.9
80°	27.8	27.8	32.4	35.9	48.7	61.4	69.5	77.6	70.7	62.6	61.4
82.5°	16.2	17.4	19.7	22.0	30.1	38.2	44.0	49.8	57.9	64.9	52.1
85°	7.0	8.1	10.4	11.6	16.2	19.7	23.2	26.6	33.6	40.5	33.6
87.5°	1.2	1.2	2.3	3.5	4.6	5.8	5.8	5.8	5.8	4.6	5.8
90°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	384.6	384.6	384.6	384.6	384.6	384.6	384.6	384.6	384.6	384.6	384.6
2.5°	385.8	384.6	383.5	383.5	383.5	382.3	381.1	381.1	381.1	380.0	378.8
5°	318.6	347.5	376.5	377.7	380.0	378.8	377.7	376.5	375.4	374.2	371.9
7.5°	315.1	312.8	310.5	302.4	330.2	330.2	329.0	329.0	326.7	317.4	308.2
10°	241.0	239.8	237.5	241.0	246.8	266.5	285.0	283.8	280.4	258.3	236.3
12.5°	228.2	231.7	235.2	223.6	201.6	220.1	238.7	236.3	234.0	214.3	193.5
15°	193.5	195.8	198.1	216.6	250.2	267.6	283.8	281.5	279.2	256.0	231.7
17.5°	237.5	228.2	219.0	231.7	220.1	228.2	236.3	227.1	220.1	210.8	201.6
20°	228.2	203.9	179.6	216.6	259.5	273.4	287.3	283.8	276.9	254.9	231.7
22.5°	214.3	238.7	261.8	250.2	229.4	216.6	203.9	198.1	193.5	194.6	195.8
25°	272.2	241.0	208.5	264.1	297.7	302.4	305.8	295.4	283.8	259.5	234.0
27.5°	239.8	263.0	285.0	307.0	318.6	322.1	324.4	339.4	315.1	282.7	250.2
30°	302.4	322.1	341.8	390.4	429.8	436.8	443.7	426.3	406.6	367.2	327.9
32.5°	332.5	377.7	421.7	444.9	461.1	466.9	472.7	449.5	427.5	376.5	324.4
35°	395.0	428.6	462.2	488.9	520.2	521.3	522.5	497.0	469.2	395.0	320.9
37.5°	433.3	477.3	520.2	550.3	598.9	595.5	592.0	561.9	528.3	424.0	319.7
40°	491.2	548.0	603.6	632.5	691.6	681.2	670.8	636.0	598.9	455.3	311.6
42.5°	585.0	645.3	705.5	729.9	794.7	783.1	770.4	724.1	676.6	480.8	285.0
45°	710.2	764.6	819.1	861.9	912.9	894.4	875.8	826.0	756.5	502.8	249.1
47.5°	864.2	904.8	945.3	1029.9	1067.0	1029.9	991.7	931.4	843.4	521.3	199.3
50°	1069.3	1078.6	1086.7	1192.1	1229.2	1172.4	1115.6	1038.0	932.6	542.2	150.6
52.5°	1272.0	1254.7	1236.1	1349.6	1363.6	1288.2	1211.8	1130.7	998.6	553.8	107.7
55°	1463.2	1438.9	1413.4	1494.5	1485.2	1385.6	1285.9	1187.5	1039.2	557.2	75.3
57.5°	1609.2	1594.1	1577.9	1614.9	1580.2	1463.2	1346.2	1247.7	1069.3	563.0	55.6
60°	1662.4	1696.0	1729.6	1725.0	1661.3	1537.3	1413.4	1309.1	1087.8	565.3	41.7
62.5°	1633.5	1742.4	1850.1	1806.1	1728.5	1597.6	1465.5	1364.7	1095.9	564.2	32.4
65°	1528.1	1737.7	1946.3	1873.3	1776.0	1645.1	1514.2	1423.8	1105.2	565.3	25.5
67.5°	1279.0	1626.5	1972.9	1926.6	1815.4	1676.3	1536.2	1463.2	1100.6	560.7	20.9
70°	800.5	1324.2	1847.8	1883.7	1815.4	1662.4	1509.5	1451.6	1058.9	537.5	16.2
72.5°	339.4	934.9	1530.4	1686.8	1734.3	1586.0	1437.7	1365.9	969.7	491.2	12.7
75°	134.4	537.5	940.7	1188.6	1334.6	1272.0	1208.3	1112.2	636.0	323.2	9.3
77.5°	90.4	245.6	400.8	583.9	696.3	720.6	744.9	634.9	253.7	130.9	7.0
80°	60.2	98.5	136.7	209.7	250.2	236.3	221.3	181.9	77.6	41.7	5.8
82.5°	38.2	51.0	63.7	71.8	74.1	53.3	32.4	26.6	9.3	7.0	3.5
85°	25.5	30.1	34.8	35.9	35.9	25.5	13.9	7.0	3.5	3.5	2.3
87.5°	7.0	8.1	8.1	8.1	5.8	4.6	3.5	2.3	2.3	2.3	2.3
90°	3.5	4.6	4.6	4.6	3.5	3.5	2.3	2.3	2.3	2.3	2.3

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	384.6	384.6	384.6	384.6	384.6	384.6	384.6	384.6	384.6	384.6	384.6
2.5°	378.8	378.8	377.7	376.5	376.5	375.4	363.8	351.0	339.4	326.7	325.5
5°	356.8	340.6	325.5	310.5	308.2	304.7	304.7	303.5	303.5	302.4	302.4
7.5°	305.8	303.5	301.2	298.9	297.7	295.4	294.3	291.9	290.8	288.5	275.7
10°	231.7	225.9	225.9	224.7	227.1	229.4	228.2	225.9	241.0	256.0	254.9
12.5°	206.2	217.8	207.4	195.8	199.3	201.6	205.1	208.5	207.4	205.1	187.7
15°	207.4	181.9	173.8	164.5	169.1	172.6	142.5	111.2	105.4	99.6	92.7
17.5°	193.5	185.4	179.6	172.6	132.1	90.4	81.1	71.8	63.7	54.4	53.3
20°	195.8	158.7	148.3	136.7	105.4	74.1	56.8	39.4	34.8	30.1	34.8
22.5°	191.2	185.4	135.5	85.7	63.7	41.7	34.8	26.6	29.0	31.3	31.3
25°	179.6	125.1	97.3	69.5	48.7	26.6	27.8	27.8	25.5	22.0	24.3
27.5°	194.6	137.9	88.0	37.1	32.4	26.6	24.3	20.9	20.9	20.9	19.7
30°	224.7	120.5	75.3	30.1	25.5	20.9	19.7	18.5	17.4	15.1	16.2
32.5°	213.2	101.9	63.7	25.5	22.0	18.5	16.2	13.9	13.9	13.9	13.9
35°	193.5	64.9	44.0	22.0	18.5	15.1	13.9	11.6	11.6	11.6	11.6
37.5°	180.7	41.7	30.1	17.4	15.1	12.7	11.6	9.3	9.3	9.3	10.4
40°	170.3	29.0	22.0	15.1	12.7	9.3	8.1	7.0	8.1	8.1	8.1
42.5°	155.2	24.3	18.5	12.7	10.4	8.1	7.0	5.8	7.0	7.0	7.0
45°	135.5	22.0	16.2	10.4	9.3	7.0	5.8	4.6	5.8	5.8	5.8
47.5°	108.9	18.5	13.9	9.3	8.1	5.8	5.8	4.6	4.6	4.6	4.6
50°	84.6	17.4	12.7	8.1	7.0	4.6	4.6	3.5	4.6	4.6	4.6
52.5°	61.4	15.1	11.6	7.0	5.8	3.5	3.5	3.5	3.5	3.5	3.5
55°	44.0	12.7	9.3	5.8	4.6	3.5	3.5	2.3	3.5	3.5	3.5
57.5°	33.6	11.6	8.1	4.6	3.5	2.3	2.3	2.3	2.3	2.3	2.3
60°	26.6	10.4	8.1	4.6	3.5	2.3	2.3	1.2	2.3	2.3	2.3
62.5°	20.9	8.1	7.0	4.6	3.5	2.3	2.3	1.2	2.3	2.3	2.3
65°	16.2	7.0	5.8	3.5	2.3	1.2	1.2	1.2	2.3	2.3	2.3
67.5°	13.9	5.8	4.6	3.5	2.3	1.2	2.3	2.3	2.3	2.3	2.3
70°	11.6	5.8	4.6	3.5	2.3	1.2	2.3	2.3	3.5	3.5	2.3
72.5°	9.3	4.6	3.5	2.3	2.3	1.2	2.3	2.3	3.5	3.5	2.3
75°	7.0	3.5	3.5	2.3	2.3	1.2	2.3	3.5	3.5	3.5	2.3
77.5°	5.8	3.5	3.5	2.3	2.3	1.2	2.3	3.5	3.5	3.5	3.5
80°	4.6	2.3	2.3	2.3	1.2	0.0	2.3	4.6	4.6	3.5	3.5
82.5°	3.5	2.3	2.3	2.3	1.2	0.0	2.3	4.6	4.6	3.5	3.5
85°	2.3	2.3	2.3	2.3	2.3	1.2	3.5	4.6	4.6	3.5	3.5
87.5°	2.3	2.3	2.3	2.3	2.3	1.2	2.3	3.5	3.5	3.5	3.5
90°	2.3	2.3	3.5	3.5	2.3	1.2	2.3	3.5	3.5	3.5	3.5

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	384.6	384.6	384.6	384.6
2.5°	323.2	325.5	326.7	324.4
5°	301.2	301.2	300.1	303.5
7.5°	261.8	254.9	246.8	241.0
10°	252.6	246.8	241.0	242.1
12.5°	169.1	151.8	134.4	140.2
15°	85.7	81.1	76.5	76.5
17.5°	51.0	46.3	40.5	41.7
20°	38.2	38.2	38.2	38.2
22.5°	30.1	29.0	26.6	25.5
25°	25.5	25.5	25.5	25.5
27.5°	18.5	18.5	17.4	16.2
30°	16.2	16.2	16.2	15.1
32.5°	12.7	13.9	13.9	13.9
35°	11.6	11.6	11.6	11.6
37.5°	10.4	10.4	9.3	9.3
40°	8.1	8.1	8.1	8.1
42.5°	7.0	7.0	7.0	7.0
45°	5.8	5.8	5.8	5.8
47.5°	4.6	4.6	4.6	4.6
50°	4.6	4.6	3.5	3.5
52.5°	3.5	3.5	2.3	2.3
55°	2.3	2.3	2.3	2.3
57.5°	2.3	2.3	1.2	1.2
60°	2.3	2.3	1.2	1.2
62.5°	1.2	1.2	1.2	1.2
65°	1.2	1.2	0.0	0.0
67.5°	1.2	1.2	0.0	0.0
70°	1.2	1.2	0.0	0.0
72.5°	1.2	1.2	0.0	0.0
75°	1.2	1.2	0.0	0.0
77.5°	2.3	1.2	0.0	0.0
80°	2.3	2.3	1.2	0.0
82.5°	2.3	2.3	1.2	0.0
85°	2.3	2.3	1.2	0.0
87.5°	2.3	2.3	1.2	0.0
90°	2.3	2.3	1.2	0.0

(END OF REPORT)