

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: P560368

Luminaire Tested: **SDL-PA1-40-730-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560368
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-730-U-T3-HSS
Description: Springdale
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3348 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B0 - U0 - G1

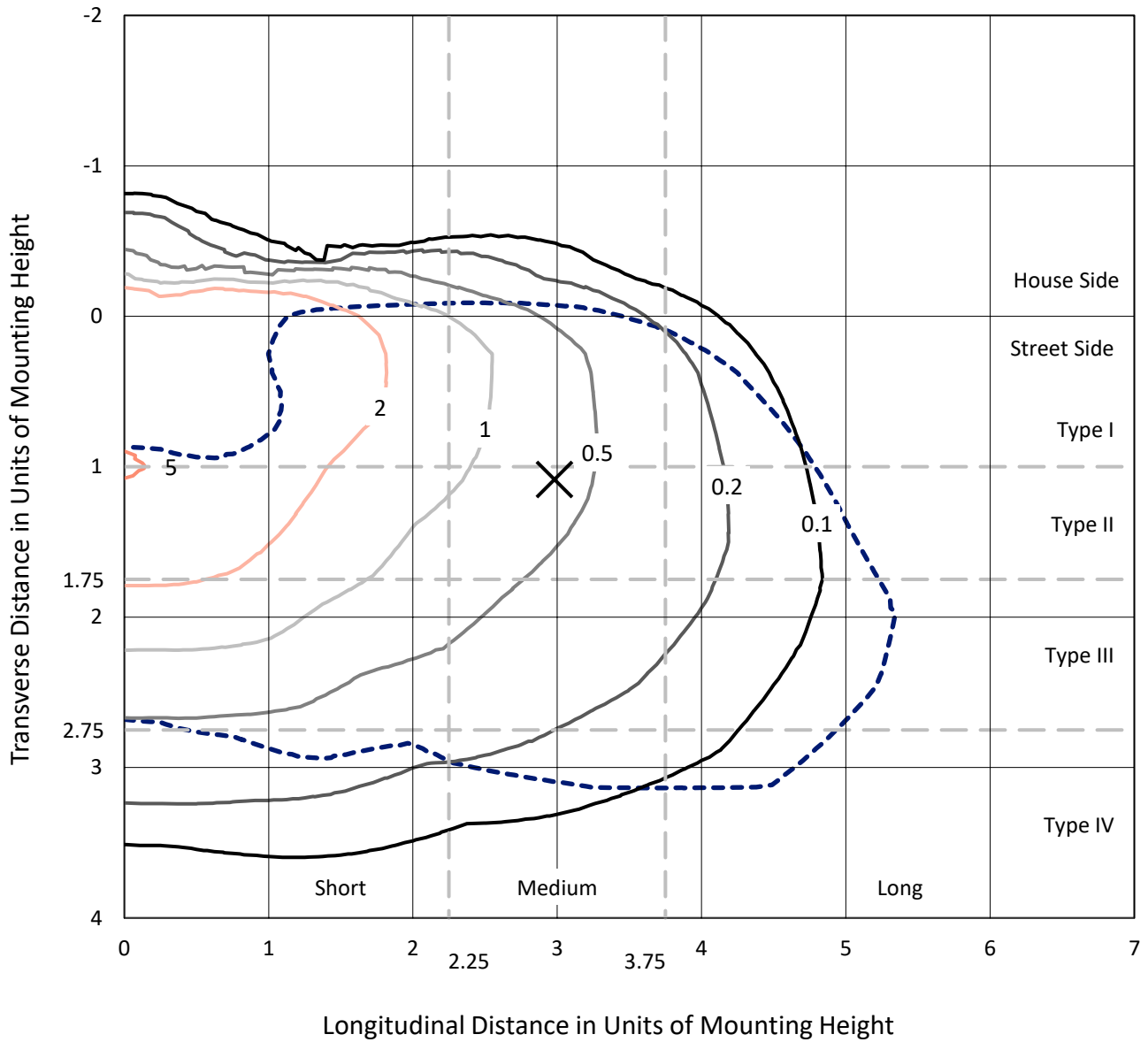
Input Watts (W): 39.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

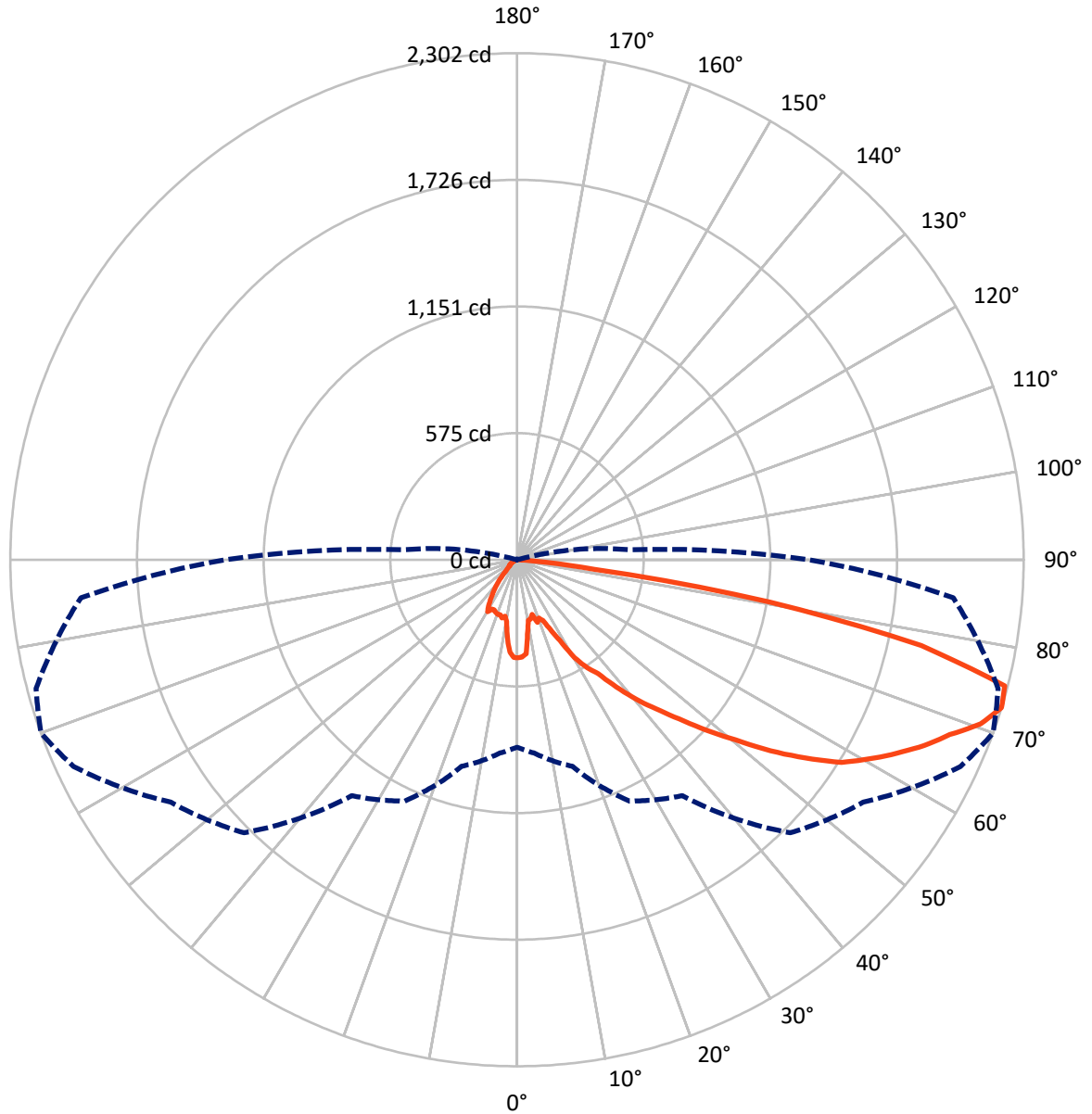
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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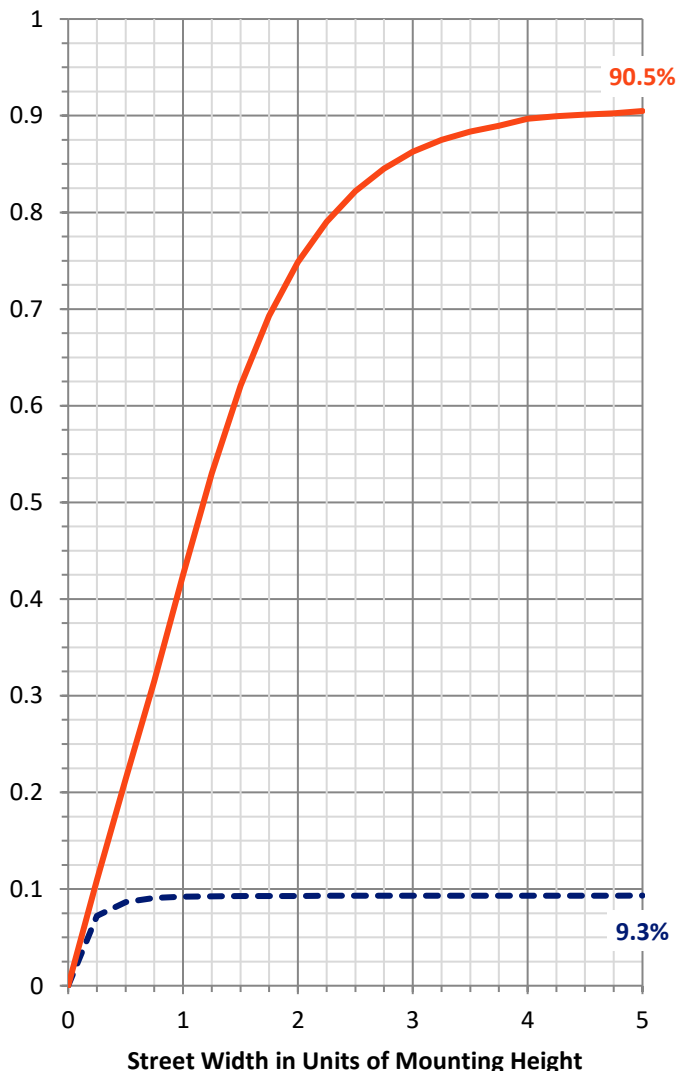
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	315.6	0.0	315.6
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	3032.4	0.0	3032.4
	% Fixture	90.6	0.0	90.6
Total	Lumens	3348.0	0.0	3348.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.3	1.0
10°-20°	68.5	2.0
20°-30°	111.7	3.3
30°-40°	238.3	7.1
40°-50°	459.3	13.7
50°-60°	759.6	22.7
60°-70°	929.7	27.8
70°-80°	681.1	20.3
80°-90°	65.4	2.0
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°	3348.0	100.0
0°-180°	3348.0	100.0

Coefficient of Utilization



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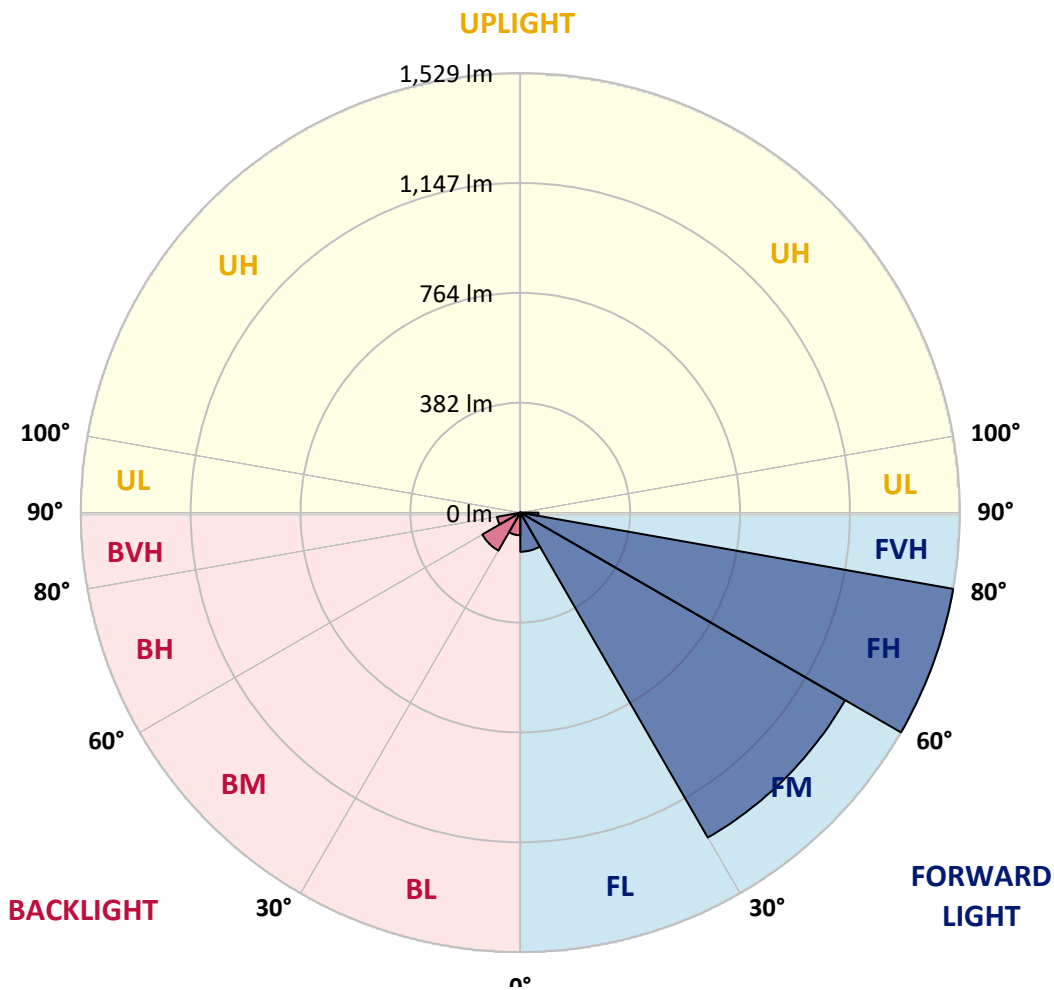
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	135.9	4.1			
FM (30°-60°)	1304.6	39.0			
FH (60°-80°)	1528.7	45.7			G1/1800
FVH (80°-90°)	63.1	1.9			G1/100
BL (0°-30°)	78.6	2.3	B0/110		
BM (30°-60°)	152.5	4.6	B0/220		
BH (60°-80°)	82.2	2.5	B0/110		G0/110
BVH (80°-90°)	2.3	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5
2.5°	396.2	407.7	414.3	420.9	419.2	417.6	420.9	424.2	430.7	435.7	439.0
5°	356.8	356.8	356.8	356.8	358.4	358.4	358.4	358.4	360.1	361.7	363.3
7.5°	309.1	315.7	319.0	322.2	330.5	337.0	343.6	350.2	353.5	355.1	356.8
10°	335.4	335.4	335.4	335.4	337.0	337.0	315.7	292.6	294.3	295.9	286.1
12.5°	277.8	276.2	294.3	310.7	322.2	332.1	320.6	307.4	287.7	266.3	263.1
15°	327.2	327.2	327.2	327.2	304.2	281.1	264.7	248.3	261.4	272.9	246.6
17.5°	258.1	264.7	284.4	304.2	304.2	304.2	289.4	274.6	246.6	217.0	248.3
20°	320.6	320.6	320.6	319.0	281.1	243.3	256.5	268.0	279.5	291.0	286.1
22.5°	266.3	263.1	268.0	272.9	284.4	294.3	261.4	226.9	264.7	300.9	282.8
25°	337.0	337.0	338.7	338.7	302.5	266.3	287.7	307.4	279.5	251.5	295.9
27.5°	304.2	294.3	292.6	289.4	300.9	310.7	295.9	281.1	312.4	343.6	328.8
30°	422.5	422.5	411.0	399.5	355.1	309.1	314.0	317.3	317.3	317.3	350.2
32.5°	586.9	588.6	544.2	498.2	458.7	417.6	381.4	343.6	363.3	383.1	404.4
35°	790.8	795.7	764.5	731.6	634.6	537.6	476.8	416.0	414.3	411.0	442.3
37.5°	937.1	947.0	922.3	897.7	782.6	667.5	580.4	493.2	485.0	475.1	486.6
40°	1075.2	1068.7	1053.9	1037.4	915.8	792.4	697.1	600.1	578.7	555.7	557.3
42.5°	1254.4	1234.7	1196.9	1159.1	1042.3	925.6	823.7	721.8	687.2	652.7	646.1
45°	1486.2	1453.4	1399.1	1343.2	1228.1	1113.0	988.1	861.5	818.8	774.4	764.5
47.5°	1604.6	1581.6	1547.1	1510.9	1392.5	1274.2	1154.1	1032.5	973.3	912.5	896.0
50°	1744.4	1714.8	1691.8	1667.1	1565.2	1461.6	1349.8	1236.3	1157.4	1078.5	1050.6
52.5°	1877.5	1828.2	1806.8	1783.8	1703.3	1621.1	1504.3	1387.6	1336.6	1284.0	1216.6
55°	1925.2	1877.5	1867.7	1857.8	1800.3	1742.7	1635.9	1529.0	1469.8	1409.0	1354.7
57.5°	1821.6	1828.2	1857.8	1887.4	1854.5	1821.6	1734.5	1645.7	1580.0	1514.2	1483.0
60°	1750.9	1765.7	1810.1	1854.5	1854.5	1854.5	1806.8	1759.2	1696.7	1634.2	1612.8
62.5°	1637.5	1655.6	1723.0	1790.4	1833.2	1875.9	1824.9	1774.0	1752.6	1729.6	1709.8
65°	1487.9	1492.8	1568.5	1644.1	1732.9	1820.0	1772.3	1723.0	1764.1	1805.2	1785.5
67.5°	1315.3	1323.5	1394.2	1463.2	1568.5	1673.7	1660.5	1645.7	1736.2	1826.6	1824.9
70°	1109.8	1124.6	1185.4	1244.6	1362.9	1479.7	1492.8	1506.0	1662.2	1816.7	1846.3
72.5°	851.6	881.2	927.3	971.7	1091.7	1210.0	1259.4	1308.7	1532.3	1754.2	1838.1
75°	282.8	302.5	430.7	557.3	679.0	800.7	909.2	1016.0	1295.5	1573.4	1747.7
77.5°	82.2	85.5	110.2	133.2	228.5	322.2	434.0	544.2	817.1	1088.4	1377.7
80°	42.7	44.4	49.3	54.3	78.9	103.6	149.6	194.0	319.0	443.9	748.1
82.5°	29.6	29.6	34.5	37.8	47.7	57.5	82.2	106.9	116.7	126.6	300.9
85°	9.9	9.9	13.2	16.4	23.0	29.6	44.4	57.5	57.5	55.9	80.6
87.5°	1.6	1.6	3.3	4.9	8.2	9.9	8.2	6.6	4.9	3.3	6.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5
2.5°	440.6	442.3	442.3	442.3	443.9	443.9	443.9	443.9	442.3	443.9	443.9
5°	363.3	392.9	420.9	429.1	434.0	435.7	435.7	435.7	434.0	434.0	434.0
7.5°	358.4	356.8	355.1	342.0	373.2	379.8	384.7	383.1	383.1	374.9	365.0
10°	276.2	276.2	276.2	279.5	297.6	319.0	340.3	340.3	340.3	315.7	291.0
12.5°	258.1	268.0	276.2	276.2	246.6	271.3	295.9	295.9	295.9	271.3	245.0
15°	220.3	231.8	241.7	258.1	307.4	337.0	366.6	366.6	365.0	337.0	307.4
17.5°	277.8	274.6	269.6	299.2	281.1	286.1	291.0	276.2	297.6	289.4	281.1
20°	281.1	251.5	220.3	282.8	346.9	374.9	402.8	404.4	399.5	368.3	335.4
22.5°	264.7	302.5	338.7	299.2	309.1	302.5	294.3	291.0	291.0	289.4	287.7
25°	338.7	302.5	266.3	350.2	409.4	429.1	448.8	443.9	437.3	392.9	348.5
27.5°	312.4	348.5	383.1	416.0	445.5	463.6	481.7	532.7	463.6	412.7	360.1
30°	381.4	425.8	468.6	516.2	606.7	633.0	659.3	646.1	629.7	531.0	432.4
32.5°	424.2	494.9	563.9	585.3	639.5	664.2	687.2	675.7	656.0	526.1	396.2
35°	471.9	537.6	601.7	636.3	702.0	721.8	739.8	721.8	700.4	521.2	342.0
37.5°	498.2	586.9	674.1	733.3	789.2	794.1	797.4	780.9	753.0	521.2	289.4
40°	559.0	654.3	748.1	833.5	877.9	879.6	881.2	854.9	804.0	516.2	226.9
42.5°	639.5	736.5	831.9	925.6	984.8	979.9	973.3	937.1	853.3	508.0	162.8
45°	754.6	840.1	925.6	1030.8	1103.2	1090.0	1075.2	1021.0	887.8	499.8	110.2
47.5°	877.9	945.3	1011.1	1155.8	1247.9	1219.9	1190.3	1111.4	912.5	496.5	78.9
50°	1021.0	1075.2	1129.5	1287.3	1397.5	1344.9	1292.2	1201.8	922.3	493.2	62.5
52.5°	1147.6	1203.5	1257.7	1441.9	1525.7	1466.5	1407.3	1272.5	917.4	486.6	54.3
55°	1298.8	1348.1	1397.5	1589.8	1657.2	1578.3	1497.8	1323.5	892.7	471.9	49.3
57.5°	1450.1	1501.0	1550.4	1737.8	1757.5	1680.3	1601.3	1372.8	868.1	457.1	44.4
60°	1591.5	1649.0	1706.6	1838.1	1852.9	1783.8	1714.8	1420.5	828.6	434.0	39.5
62.5°	1690.1	1769.0	1847.9	1936.7	1943.3	1880.8	1816.7	1456.7	777.7	407.7	36.2
65°	1764.1	1872.6	1979.5	2033.7	2030.4	1986.1	1941.7	1487.9	736.5	383.1	29.6
67.5°	1821.6	1953.2	2084.7	2120.9	2129.1	2088.0	2046.9	1492.8	685.6	355.1	23.0
70°	1875.9	2020.6	2165.3	2234.3	2217.9	2153.7	2089.6	1455.0	616.5	317.3	16.4
72.5°	1920.3	2071.5	2222.8	2301.7	2262.3	2125.8	1989.3	1326.8	516.2	264.7	11.5
75°	1920.3	2071.5	2221.2	2288.6	2153.7	1882.5	1609.6	988.1	302.5	156.2	9.9
77.5°	1667.1	1777.3	1887.4	1877.5	1640.8	1303.8	965.1	568.9	101.9	55.9	8.2
80°	1052.2	1124.6	1196.9	1160.7	838.5	601.7	363.3	190.7	36.2	21.4	6.6
82.5°	475.1	466.9	458.7	353.5	164.4	110.2	54.3	32.9	9.9	6.6	3.3
85°	105.2	101.9	98.6	72.3	49.3	32.9	16.4	9.9	4.9	4.9	3.3
87.5°	9.9	11.5	11.5	8.2	8.2	6.6	3.3	3.3	3.3	3.3	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5
2.5°	443.9	443.9	443.9	442.3	442.3	442.3	430.7	417.6	409.4	399.5	394.6
5°	419.2	404.4	386.4	368.3	365.0	360.1	361.7	361.7	363.3	363.3	363.3
7.5°	356.8	348.5	351.8	355.1	355.1	355.1	355.1	353.5	351.8	350.2	333.7
10°	284.4	277.8	277.8	277.8	282.8	286.1	277.8	268.0	282.8	295.9	292.6
12.5°	261.4	277.8	256.5	233.5	236.7	238.4	238.4	236.7	230.2	223.6	200.6
15°	272.9	238.4	218.7	197.3	197.3	197.3	159.5	121.7	113.4	105.2	106.9
17.5°	261.4	241.7	218.7	194.0	146.3	97.0	92.1	85.5	85.5	85.5	87.1
20°	263.1	190.7	161.1	131.5	105.2	77.3	72.3	65.8	62.5	57.5	67.4
22.5°	258.1	226.9	154.5	82.2	72.3	62.5	57.5	51.0	59.2	67.4	67.4
25°	249.9	149.6	111.8	72.3	60.8	49.3	55.9	60.8	57.5	52.6	60.8
27.5°	251.5	141.4	97.0	52.6	55.9	57.5	54.3	49.3	54.3	57.5	54.3
30°	271.3	110.2	82.2	52.6	51.0	47.7	49.3	51.0	49.3	46.0	49.3
32.5°	241.7	87.1	69.1	49.3	47.7	46.0	44.4	42.7	44.4	44.4	44.4
35°	203.9	65.8	55.9	46.0	42.7	39.5	39.5	37.8	37.8	37.8	37.8
37.5°	172.6	55.9	49.3	41.1	37.8	34.5	32.9	29.6	29.6	27.9	27.9
40°	139.7	51.0	44.4	36.2	32.9	27.9	26.3	23.0	23.0	21.4	21.4
42.5°	105.2	46.0	39.5	31.2	27.9	23.0	19.7	16.4	16.4	14.8	14.8
45°	75.6	41.1	34.5	26.3	23.0	18.1	14.8	11.5	11.5	9.9	9.9
47.5°	59.2	37.8	31.2	23.0	18.1	13.2	11.5	8.2	8.2	8.2	8.2
50°	47.7	32.9	26.3	18.1	13.2	8.2	6.6	4.9	4.9	4.9	4.9
52.5°	42.7	29.6	23.0	14.8	11.5	6.6	4.9	3.3	4.9	4.9	4.9
55°	37.8	26.3	19.7	11.5	8.2	4.9	4.9	3.3	4.9	4.9	4.9
57.5°	34.5	23.0	16.4	8.2	6.6	3.3	3.3	1.6	3.3	3.3	3.3
60°	29.6	19.7	13.2	6.6	4.9	1.6	1.6	1.6	3.3	3.3	3.3
62.5°	26.3	16.4	11.5	4.9	3.3	1.6	1.6	1.6	3.3	3.3	3.3
65°	21.4	11.5	8.2	3.3	3.3	1.6	1.6	1.6	3.3	3.3	3.3
67.5°	16.4	8.2	6.6	3.3	3.3	1.6	1.6	1.6	3.3	3.3	1.6
70°	11.5	6.6	4.9	1.6	1.6	1.6	1.6	1.6	3.3	3.3	1.6
72.5°	8.2	4.9	3.3	1.6	1.6	0.0	1.6	1.6	3.3	3.3	3.3
75°	8.2	4.9	3.3	1.6	1.6	0.0	1.6	3.3	3.3	3.3	3.3
77.5°	6.6	3.3	3.3	1.6	1.6	0.0	1.6	3.3	3.3	3.3	3.3
80°	4.9	3.3	3.3	1.6	1.6	0.0	3.3	4.9	4.9	4.9	3.3
82.5°	3.3	3.3	3.3	1.6	1.6	0.0	3.3	4.9	4.9	4.9	3.3
85°	3.3	3.3	3.3	3.3	1.6	0.0	3.3	4.9	4.9	4.9	4.9
87.5°	3.3	3.3	3.3	3.3	3.3	1.6	4.9	6.6	6.6	4.9	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	445.5	445.5	445.5	445.5
2.5°	388.0	388.0	386.4	391.3
5°	363.3	363.3	363.3	365.0
7.5°	315.7	304.2	292.6	294.3
10°	287.7	284.4	279.5	282.8
12.5°	177.6	167.7	156.2	151.3
15°	108.5	108.5	108.5	106.9
17.5°	88.8	82.2	74.0	75.6
20°	77.3	78.9	80.6	80.6
22.5°	67.4	64.1	60.8	60.8
25°	67.4	67.4	67.4	67.4
27.5°	51.0	51.0	49.3	49.3
30°	52.6	52.6	51.0	49.3
32.5°	42.7	42.7	42.7	42.7
35°	36.2	34.5	32.9	32.9
37.5°	27.9	26.3	24.7	24.7
40°	19.7	19.7	18.1	18.1
42.5°	14.8	14.8	13.2	13.2
45°	9.9	9.9	9.9	9.9
47.5°	6.6	6.6	6.6	6.6
50°	4.9	4.9	4.9	4.9
52.5°	4.9	4.9	3.3	3.3
55°	3.3	3.3	3.3	3.3
57.5°	3.3	3.3	3.3	3.3
60°	3.3	3.3	1.6	1.6
62.5°	1.6	1.6	1.6	1.6
65°	1.6	1.6	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	1.6	1.6	0.0	0.0
75°	1.6	1.6	0.0	0.0
77.5°	1.6	1.6	0.0	0.0
80°	1.6	1.6	0.0	0.0
82.5°	1.6	1.6	1.6	0.0
85°	3.3	3.3	1.6	0.0
87.5°	3.3	3.3	1.6	0.0
90°	0.0	0.0	0.0	0.0

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