

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: P559782

Luminaire Tested: **SDL-PA1-100-722-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-722-U-SL3-A
Description: Springdale
(1) 70 CRI, 2200K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7058.2 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G3

Input Watts (W): 93.8
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

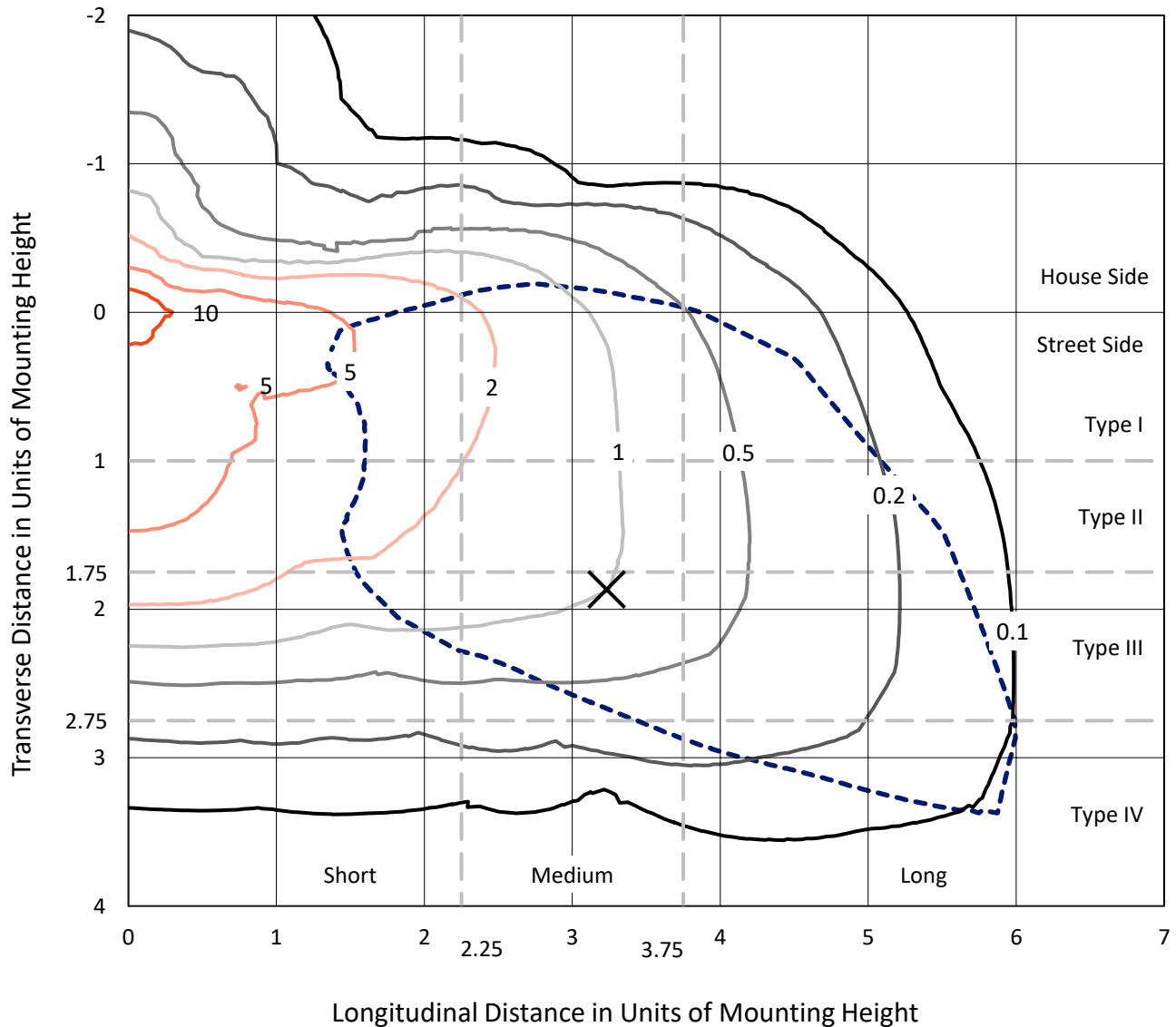


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

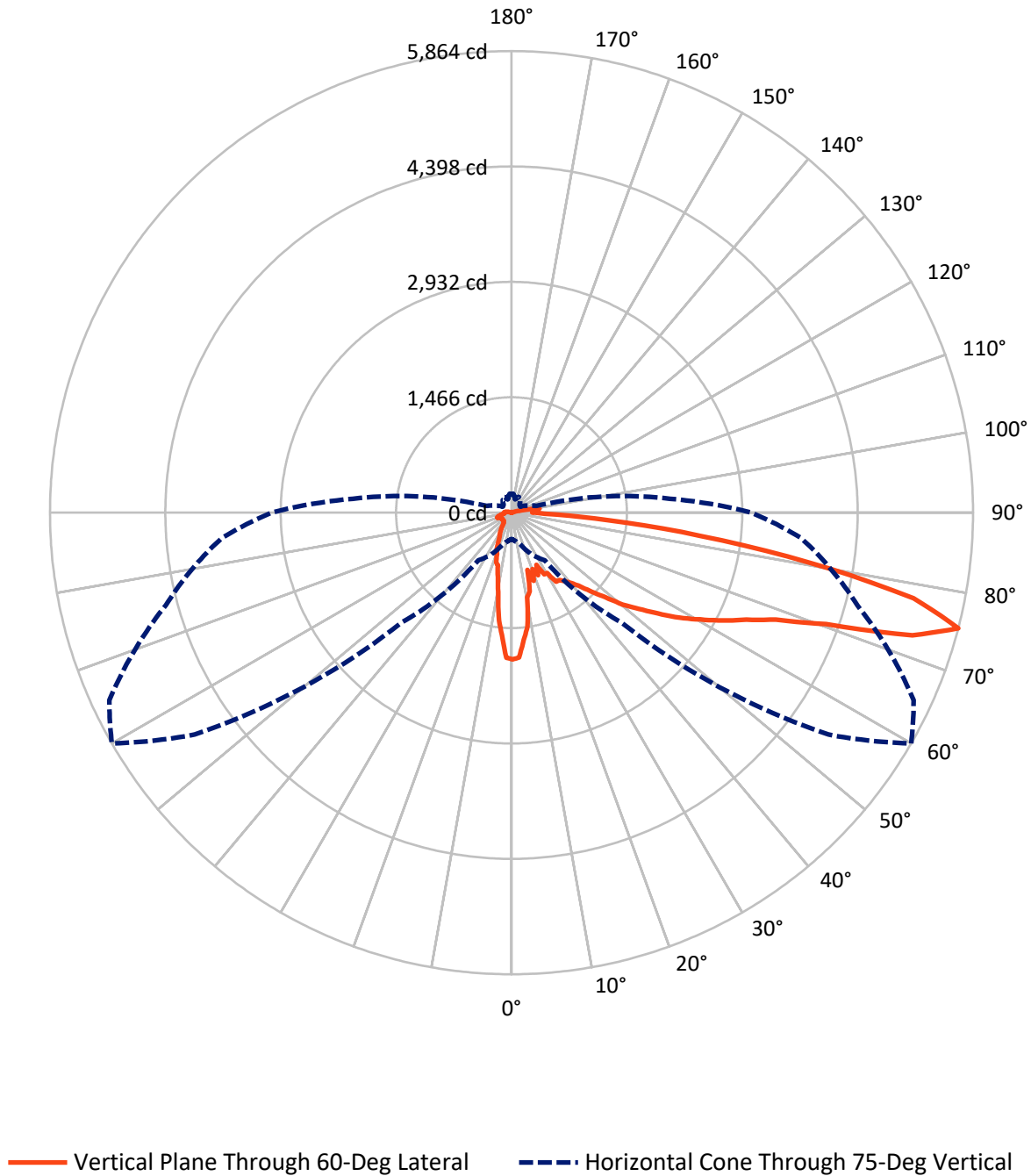


Based on 10 foot mounting height. Maximum calculated value = 18.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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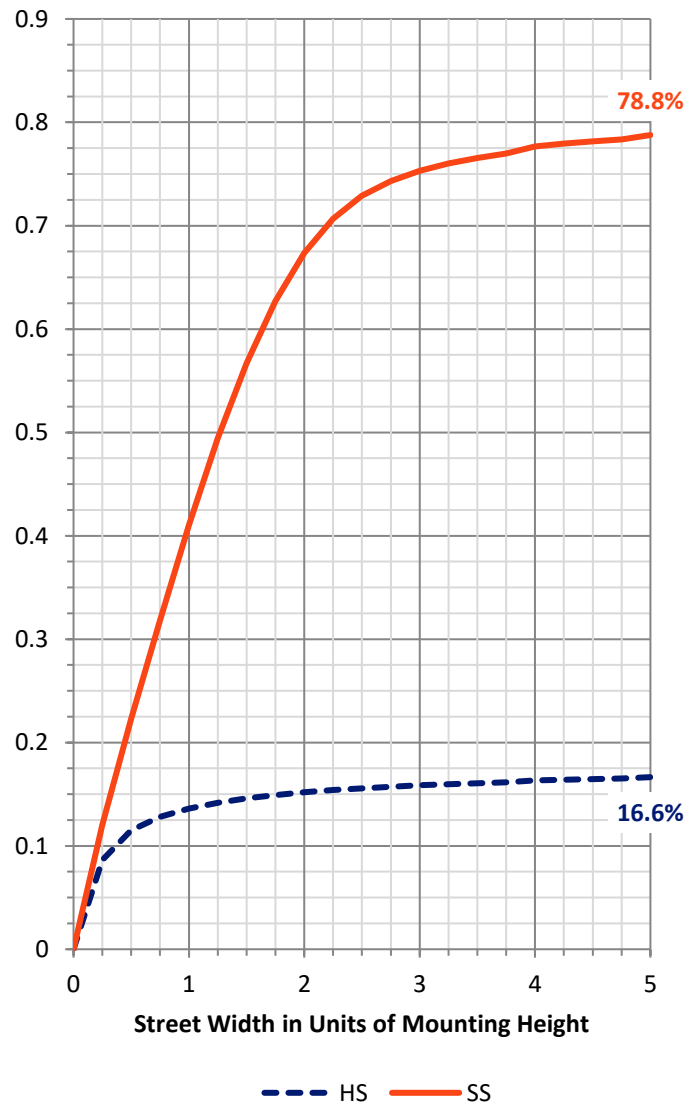
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1239.1	94.0	1333.1
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	5625.7	99.4	5725.1
	% Fixture	79.7	1.4	81.1
Total	Lumens	6864.8	193.4	7058.2
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.1	1.9
10°-20°	244.1	3.5
20°-30°	316.3	4.5
30°-40°	527.2	7.5
40°-50°	844.1	12.0
50°-60°	1295.8	18.4
60°-70°	1619.2	22.9
70°-80°	1476.8	20.9
80°-90°	404.1	5.7
90°-100°	135.7	1.9
100°-110°	30.8	0.4
110°-120°	9.8	0.1
120°-130°	9.1	0.1
130°-140°	4.3	0.1
140°-150°	1.8	0.0
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6864.8	97.3
0°-180°	7058.2	100.0

Coefficient of Utilization



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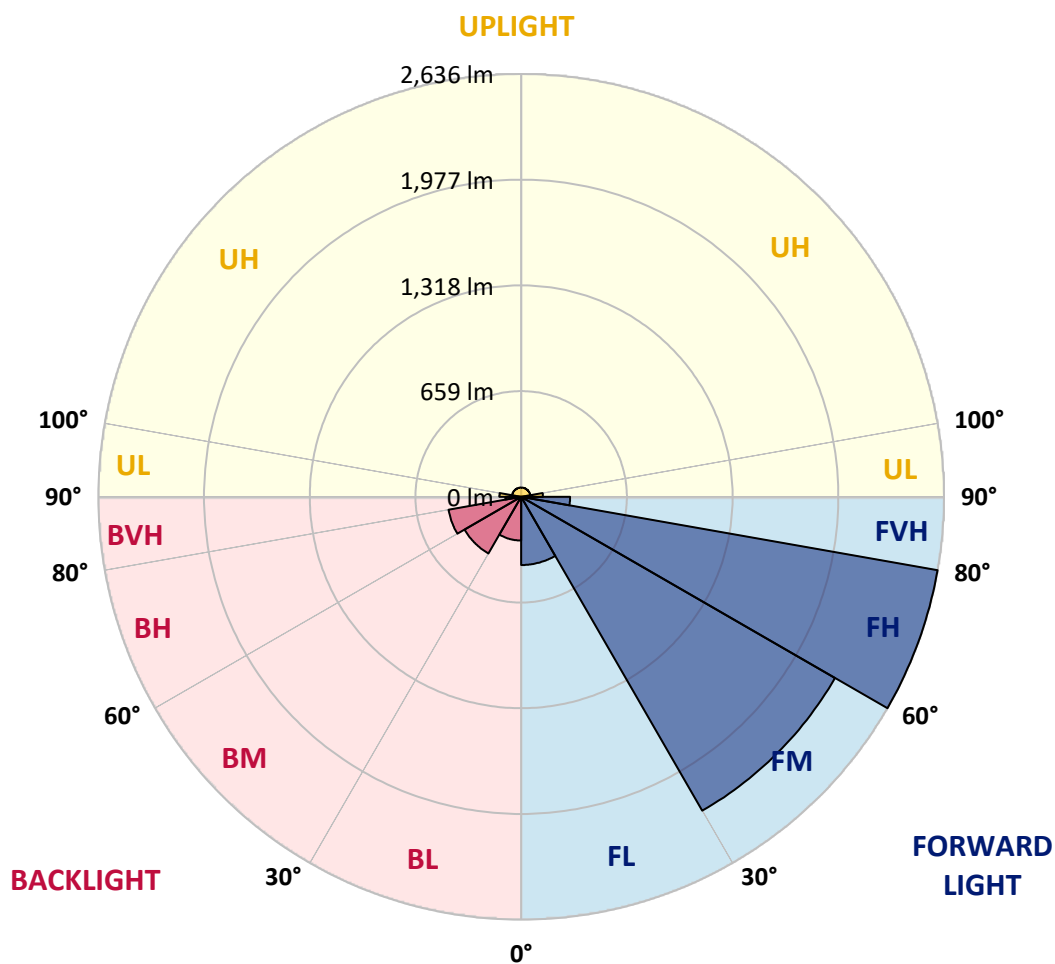
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	425.1	6.0			
FM	(30°-60°)	2259.3	32.0			
FH	(60°-80°)	2636.3	37.4			G2/5000
FVH	(80°-90°)	305.0	4.3			G3/500
BL	(0°-30°)	272.4	3.9	B1/500		
BM	(30°-60°)	407.8	5.8	B1/1000		
BH	(60°-80°)	459.7	6.5	B1/500		G1/500
BVH	(80°-90°)	99.2	1.4			G1/100
UL	(90°-100°)	135.7	1.9		U3/500	
UH	(100°-180°)	57.7	0.8		U3/500	

BUG Rating: B1-U3-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9
2.5°	1563.8	1709.8	1696.0	1808.9	1808.9	1833.6	1844.7	1841.9	1852.9	1863.9	1861.2
5°	1439.9	1442.7	1453.7	1478.5	1486.7	1495.0	1522.5	1618.9	1781.3	1819.9	1819.9
7.5°	1189.4	1255.5	1338.1	1351.8	1401.4	1426.2	1456.5	1462.0	1351.8	1550.1	1569.3
10°	1205.9	1208.7	1203.2	1233.4	1197.7	1183.9	1087.5	1093.0	1104.0	1178.4	1327.1
12.5°	944.4	999.4	1117.8	1172.9	1084.8	988.4	982.9	1029.7	1049.0	938.9	1170.1
15°	1079.3	1084.8	1087.5	1090.3	809.4	938.9	820.5	754.4	845.2	1065.5	1211.4
17.5°	845.2	850.7	980.1	977.4	892.0	721.3	892.0	911.3	875.5	905.8	1013.2
20°	991.2	993.9	985.7	765.4	781.9	883.8	768.2	765.4	809.4	1043.5	1178.4
22.5°	815.0	803.9	801.2	875.5	795.7	850.7	746.1	864.5	938.9	930.6	889.3
25°	1021.4	1018.7	977.4	762.6	815.0	721.3	872.8	732.4	812.2	1126.1	1178.4
27.5°	955.4	916.8	848.0	881.0	759.9	845.2	776.4	886.5	936.1	1156.4	1365.6
30°	1236.2	1208.7	1128.8	889.3	839.7	779.2	831.5	889.3	1065.5	1489.5	1561.1
32.5°	1632.7	1602.4	1316.0	1090.3	881.0	922.3	875.5	1043.5	1175.6	1519.8	1574.8
35°	1753.8	1712.5	1572.1	1321.5	1010.4	980.1	933.3	1051.7	1192.1	1599.6	1599.6
37.5°	1822.6	1819.9	1753.8	1459.2	1139.8	1123.3	1004.9	1104.0	1258.2	1676.7	1660.2
40°	1833.6	1847.4	1877.7	1580.4	1294.0	1258.2	1098.5	1175.6	1351.8	1770.3	1737.3
42.5°	1924.5	1949.3	2018.1	1740.0	1448.2	1415.2	1208.7	1280.3	1453.7	1908.0	1899.7
45°	2070.4	2095.2	2155.8	1916.2	1583.1	1561.1	1387.6	1431.7	1618.9	2150.3	2073.2
47.5°	2373.3	2378.8	2354.0	2062.2	1729.0	1729.0	1561.1	1602.4	1767.6	2373.3	2298.9
50°	2676.1	2643.1	2533.0	2235.6	1874.9	1916.2	1740.0	1836.4	1935.5	2599.0	2497.2
52.5°	2844.1	2838.6	2689.9	2367.8	2001.6	2081.4	1946.5	2029.1	2089.7	2827.6	2684.4
55°	2849.6	2841.3	2739.5	2431.1	2120.0	2252.1	2153.0	2260.4	2304.5	3006.5	2940.4
57.5°	2758.7	2780.8	2728.4	2466.9	2177.8	2417.3	2403.6	2519.2	2541.2	3218.5	3116.7
60°	2615.6	2612.8	2676.1	2499.9	2265.9	2574.3	2634.8	2753.2	2871.6	3381.0	3273.6
62.5°	2257.6	2282.4	2461.4	2499.9	2362.3	2778.0	2893.6	3017.5	3163.5	3529.6	3414.0
65°	1767.6	1781.3	2062.2	2318.2	2389.8	3050.6	3155.2	3279.1	3433.3	3681.1	3570.9
67.5°	1068.3	1159.1	1401.4	1908.0	2249.4	3378.2	3570.9	3623.2	3711.3	3851.8	3802.2
70°	608.5	636.0	751.6	1200.4	1877.7	3482.8	4336.3	4242.7	4151.9	4184.9	4091.3
72.5°	462.5	479.1	531.4	710.3	1123.3	3075.4	4980.6	5327.5	4936.5	4531.8	4083.0
75°	335.9	352.4	404.7	572.7	737.9	1971.3	4914.5	5864.4	5638.6	4548.3	3692.1
77.5°	209.2	212.0	242.3	487.3	663.5	988.4	3846.3	5222.9	5322.0	4248.2	3061.6
80°	145.9	148.7	154.2	261.6	611.2	792.9	2582.5	3835.2	3975.7	2957.0	1561.1
82.5°	104.6	110.1	115.6	154.2	396.5	757.1	1607.9	2414.6	2128.2	1071.0	633.2
85°	55.1	60.6	74.3	93.6	159.7	823.2	963.6	1227.9	971.9	435.0	377.2
87.5°	22.0	19.3	16.5	24.8	44.1	316.6	374.4	413.0	319.4	245.0	300.1
90°	19.3	16.5	11.0	13.8	19.3	112.9	236.8	264.3	220.3	239.5	302.9
92.5°	19.3	16.5	11.0	11.0	19.3	112.9	283.6	289.1	228.5	245.0	316.6
95°	19.3	19.3	11.0	11.0	19.3	101.9	335.9	330.4	236.8	258.8	335.9
97.5°	19.3	19.3	8.3	11.0	19.3	68.8	346.9	357.9	231.3	184.5	278.1
100°	19.3	19.3	8.3	8.3	16.5	44.1	242.3	261.6	170.7	60.6	68.8
102.5°	19.3	19.3	8.3	8.3	11.0	30.3	107.4	129.4	101.9	19.3	22.0
105°	19.3	22.0	5.5	5.5	8.3	16.5	46.8	52.3	41.3	13.8	24.8
107.5°	22.0	24.8	5.5	5.5	5.5	8.3	16.5	19.3	11.0	11.0	24.8
110°	24.8	24.8	5.5	5.5	5.5	8.3	5.5	5.5	8.3	11.0	27.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	19.3	16.5	2.8	5.5	5.5	5.5	5.5	5.5	5.5	11.0	27.5
115°	11.0	8.3	2.8	5.5	5.5	5.5	2.8	5.5	8.3	11.0	24.8
117.5°	11.0	8.3	2.8	2.8	2.8	5.5	2.8	2.8	8.3	13.8	30.3
120°	8.3	8.3	2.8	2.8	2.8	2.8	2.8	5.5	5.5	19.3	41.3
122.5°	8.3	8.3	2.8	2.8	2.8	2.8	2.8	5.5	5.5	19.3	41.3
125°	11.0	11.0	5.5	2.8	2.8	2.8	2.8	5.5	5.5	16.5	38.5
127.5°	8.3	8.3	5.5	2.8	2.8	2.8	2.8	5.5	5.5	13.8	30.3
130°	8.3	8.3	5.5	2.8	2.8	2.8	2.8	5.5	2.8	13.8	24.8
132.5°	8.3	8.3	5.5	2.8	2.8	2.8	2.8	2.8	2.8	8.3	19.3
135°	8.3	8.3	5.5	2.8	2.8	2.8	2.8	2.8	2.8	5.5	13.8
137.5°	5.5	5.5	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5
140°	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
145°	2.8	2.8	2.8	2.8	5.5	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	5.5	5.5	5.5	2.8	2.8	2.8	2.8	2.8
150°	5.5	5.5	11.0	8.3	5.5	2.8	2.8	2.8	2.8	2.8	2.8
152.5°	11.0	11.0	11.0	8.3	2.8	2.8	5.5	8.3	2.8	2.8	2.8
155°	8.3	8.3	8.3	2.8	2.8	2.8	2.8	2.8	5.5	8.3	8.3
157.5°	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
160°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9	1863.9
2.5°	1852.9	1858.4	1852.9	1847.4	1841.9	1825.4	1712.5	1574.8	1563.8	1574.8	1569.3
5°	1806.1	1806.1	1803.4	1613.4	1500.5	1467.5	1459.2	1451.0	1434.4	1426.2	1431.7
7.5°	1558.3	1550.1	1453.7	1283.0	1390.4	1351.8	1329.8	1318.8	1153.6	1093.0	1098.5
10°	1302.3	1302.3	1082.0	1021.4	1015.9	1032.5	1145.3	1137.1	1115.1	1101.3	1115.1
12.5°	1123.3	1170.1	859.0	919.6	746.1	826.0	903.1	958.1	790.2	743.4	751.6
15°	1192.1	1175.6	944.4	721.3	658.0	693.8	556.2	696.6	685.6	663.5	660.8
17.5°	1040.7	955.4	787.4	677.3	649.8	490.1	476.3	492.8	451.5	413.0	432.3
20°	1131.6	1084.8	834.2	603.0	501.1	446.0	335.9	313.9	399.2	418.5	415.7
22.5°	944.4	787.4	682.8	600.2	404.7	319.4	253.3	278.1	297.3	316.6	324.9
25°	1109.6	1024.2	746.1	448.8	327.6	234.0	228.5	206.5	311.1	355.2	352.4
27.5°	1280.3	1159.1	718.6	421.2	236.8	201.0	184.5	209.2	217.5	245.0	261.6
30°	1431.7	1285.8	831.5	391.0	198.2	151.4	165.2	170.7	212.0	228.5	228.5
32.5°	1426.2	1250.0	743.4	333.1	162.4	137.7	137.7	162.4	187.2	225.8	228.5
35°	1423.4	1222.4	663.5	258.8	143.2	121.1	126.6	154.2	187.2	209.2	212.0
37.5°	1456.5	1214.2	583.7	209.2	129.4	115.6	121.1	145.9	201.0	223.0	223.0
40°	1506.0	1219.7	503.8	179.0	123.9	112.9	115.6	154.2	181.7	201.0	201.0
42.5°	1657.4	1299.5	435.0	165.2	123.9	110.1	110.1	143.2	184.5	217.5	220.3
45°	1770.3	1362.8	382.7	165.2	121.1	104.6	115.6	143.2	162.4	239.5	256.1
47.5°	1952.0	1478.5	333.1	165.2	121.1	101.9	107.4	140.4	170.7	275.3	286.3
50°	2133.8	1594.1	311.1	165.2	121.1	99.1	121.1	134.9	170.7	286.3	294.6
52.5°	2326.5	1737.3	297.3	165.2	121.1	104.6	132.2	162.4	184.5	256.1	253.3
55°	2524.7	1863.9	289.1	170.7	121.1	104.6	143.2	151.4	156.9	198.2	203.7
57.5°	2709.2	2018.1	305.6	170.7	118.4	110.1	134.9	148.7	137.7	173.5	176.2
60°	2855.1	2158.5	346.9	165.2	115.6	110.1	137.7	162.4	154.2	190.0	195.5
62.5°	3023.0	2307.2	443.3	167.9	115.6	112.9	154.2	176.2	156.9	187.2	198.2
65°	3243.3	2533.0	550.6	184.5	118.4	118.4	156.9	190.0	156.9	184.5	184.5
67.5°	3491.1	2742.2	550.6	214.8	126.6	126.6	156.9	201.0	167.9	184.5	184.5
70°	3672.8	2753.2	454.3	236.8	137.7	134.9	162.4	209.2	170.7	203.7	201.0
72.5°	3471.8	2453.1	377.2	234.0	148.7	140.4	184.5	214.8	173.5	231.3	228.5
75°	3047.8	2023.6	327.6	209.2	134.9	143.2	192.7	220.3	176.2	242.3	236.8
77.5°	2403.6	1475.7	278.1	176.2	118.4	137.7	198.2	225.8	181.7	256.1	253.3
80°	1164.6	740.6	225.8	148.7	107.4	132.2	198.2	223.0	179.0	264.3	264.3
82.5°	525.9	368.9	154.2	101.9	107.4	134.9	203.7	225.8	179.0	258.8	256.1
85°	341.4	253.3	99.1	79.8	107.4	154.2	206.5	214.8	170.7	239.5	239.5
87.5°	256.1	176.2	52.3	49.6	118.4	167.9	206.5	198.2	165.2	225.8	220.3
90°	261.6	187.2	55.1	49.6	126.6	170.7	206.5	195.5	159.7	203.7	203.7
92.5°	283.6	206.5	63.3	55.1	129.4	154.2	195.5	176.2	148.7	176.2	173.5
95°	308.4	231.3	74.3	63.3	112.9	112.9	154.2	143.2	126.6	134.9	134.9
97.5°	225.8	165.2	66.1	68.8	85.4	71.6	101.9	96.4	66.1	60.6	57.8
100°	66.1	55.1	60.6	66.1	60.6	52.3	77.1	74.3	44.1	22.0	22.0
102.5°	24.8	27.5	55.1	60.6	46.8	38.5	55.1	60.6	35.8	5.5	8.3
105°	22.0	19.3	38.5	46.8	27.5	22.0	27.5	38.5	22.0	5.5	5.5
107.5°	24.8	19.3	19.3	24.8	11.0	11.0	11.0	13.8	8.3	5.5	5.5
110°	24.8	19.3	11.0	11.0	8.3	8.3	8.3	5.5	5.5	5.5	5.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.8	19.3	11.0	11.0	8.3	8.3	5.5	5.5	8.3	13.8	13.8
115°	27.5	22.0	11.0	8.3	5.5	8.3	5.5	2.8	8.3	19.3	19.3
117.5°	33.0	24.8	8.3	8.3	5.5	5.5	5.5	2.8	8.3	24.8	27.5
120°	41.3	30.3	11.0	5.5	5.5	5.5	5.5	2.8	11.0	27.5	30.3
122.5°	41.3	33.0	11.0	5.5	5.5	2.8	2.8	5.5	11.0	27.5	30.3
125°	38.5	30.3	11.0	5.5	5.5	2.8	2.8	2.8	13.8	27.5	30.3
127.5°	30.3	27.5	11.0	5.5	2.8	2.8	2.8	5.5	11.0	24.8	24.8
130°	24.8	22.0	8.3	5.5	2.8	2.8	2.8	2.8	11.0	19.3	22.0
132.5°	19.3	16.5	8.3	5.5	2.8	2.8	2.8	2.8	11.0	19.3	19.3
135°	13.8	13.8	5.5	2.8	2.8	2.8	2.8	2.8	8.3	13.8	16.5
137.5°	5.5	5.5	5.5	2.8	2.8	2.8	2.8	2.8	5.5	8.3	8.3
140°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	5.5	5.5
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	5.5
145°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
150°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
152.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	5.5	5.5
155°	8.3	8.3	8.3	5.5	2.8	0.0	0.0	0.0	2.8	2.8	5.5
157.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	2.8	2.8	2.8
160°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8	2.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)