

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: P560986

Luminaire Tested: **SDL-PA1-70-827-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560986
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-827-U-T4W-A
Description: Springdale
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5763.6 lumens
Efficiency: N/A
Efficacy: 79.8 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: B1 - U3 - G3

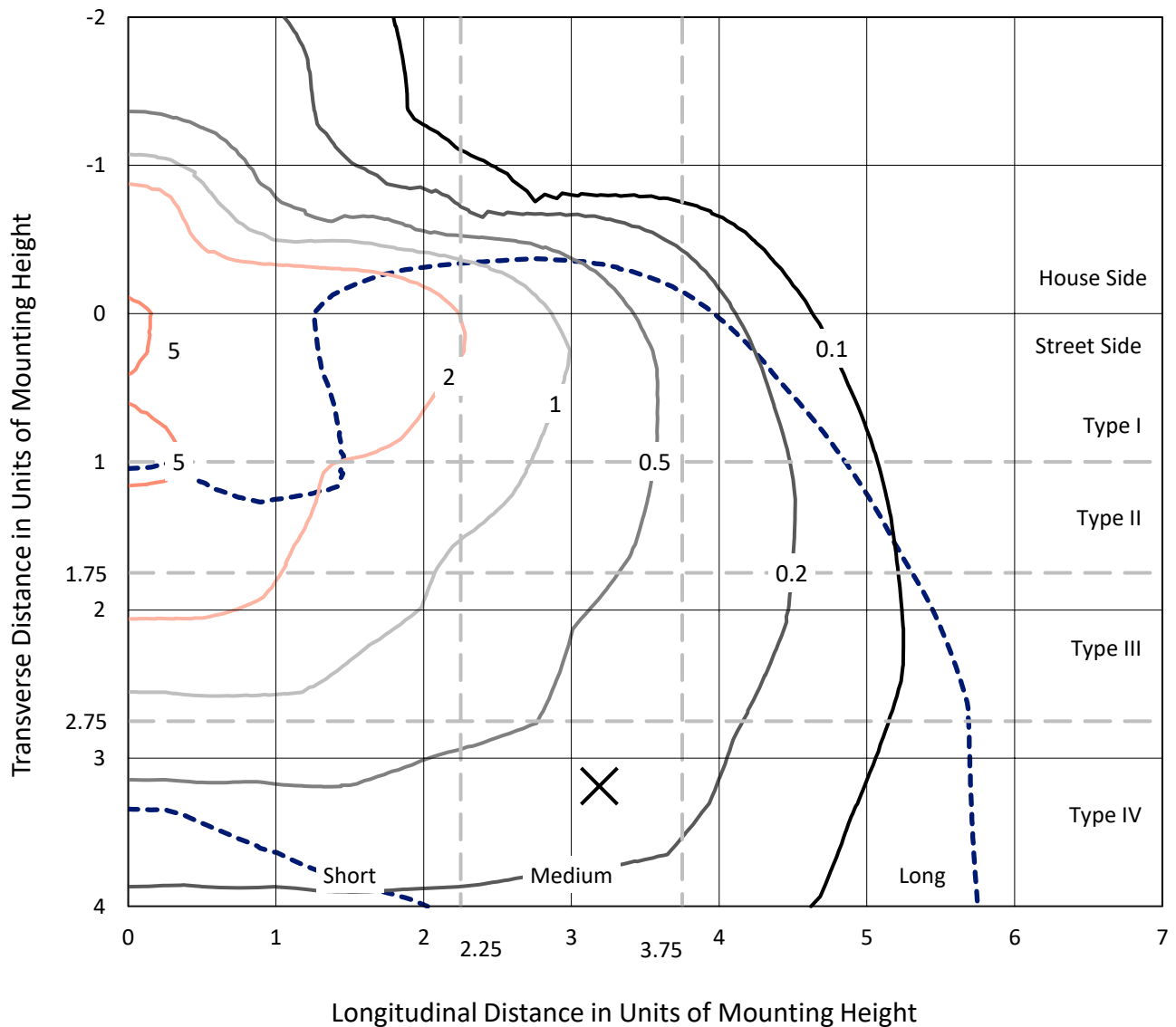
Input Watts (W): 72.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P560986
 CATALOG NUMBER: SDL-PA1-70-827-U-T4W-A

Iso-Footcandle Lines of Horizontal Illumination

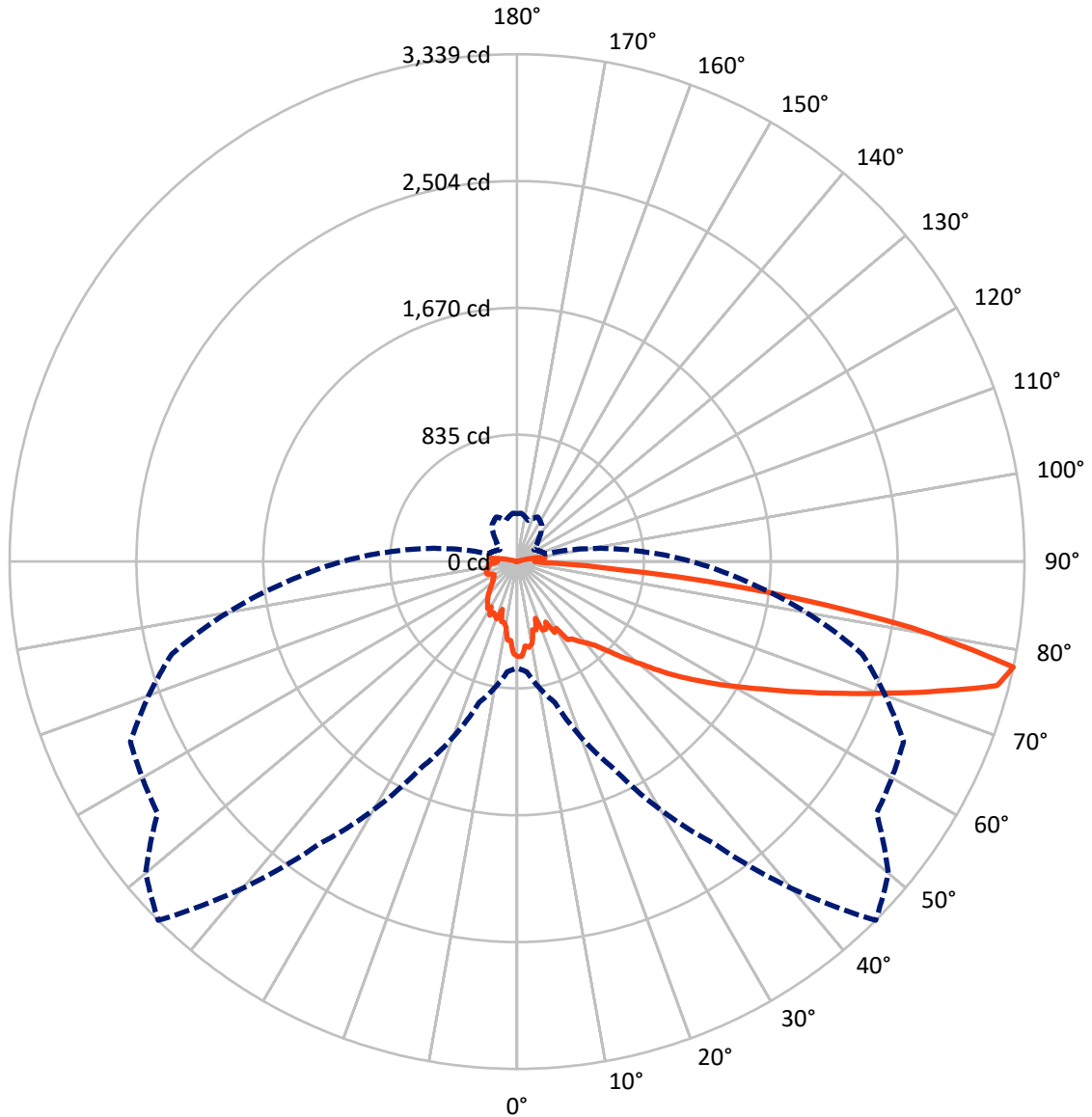
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560986
CATALOG NUMBER: SDL-PA1-70-827-U-T4W-A

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 77.5-Deg Vertical

REPORT NUMBER: P560986

CATALOG NUMBER: SDL-PA1-70-827-U-T4W-A

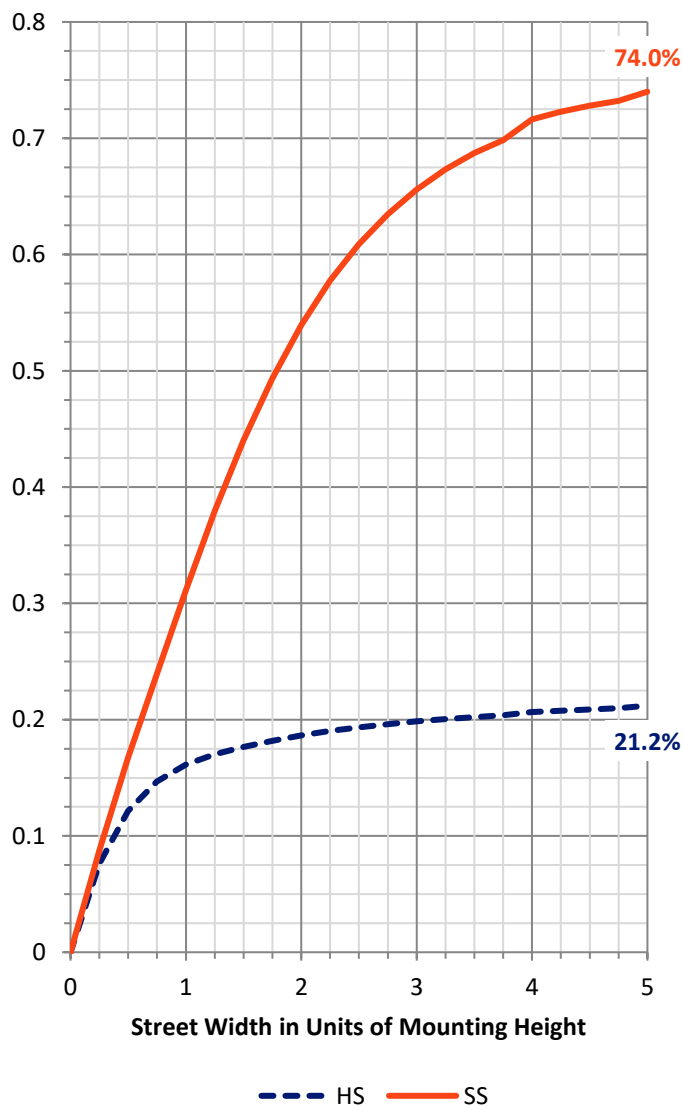
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1290.0	96.2	1386.2
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	4299.5	77.8	4377.3
	% Fixture	74.6	1.4	75.9
Total	Lumens	5589.5	174.1	5763.6
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.0	0.9
10°-20°	128.8	2.2
20°-30°	222.9	3.9
30°-40°	394.9	6.9
40°-50°	612.2	10.6
50°-60°	985.6	17.1
60°-70°	1449.4	25.1
70°-80°	1395.5	24.2
80°-90°	348.0	6.0
90°-100°	129.8	2.3
100°-110°	28.7	0.5
110°-120°	6.2	0.1
120°-130°	5.2	0.1
130°-140°	2.2	0.0
140°-150°	1.0	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5589.5	97.0
0°-180°	5763.6	100.0

Coefficient of Utilization



REPORT NUMBER: P560986

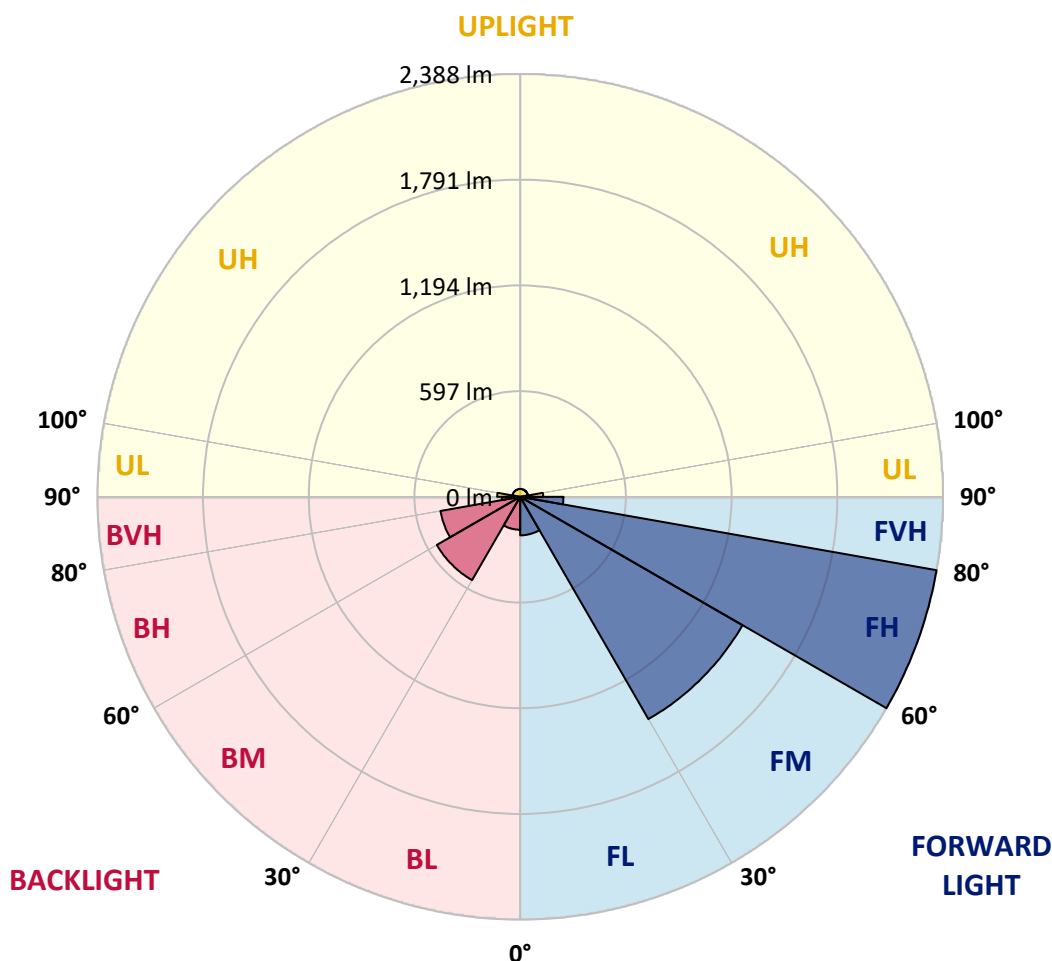
CATALOG NUMBER: SDL-PA1-70-827-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	217.6	3.8			
FM (30°-60°)	1449.6	25.2			
FH (60°-80°)	2387.9	41.4			G2/5000
FVH (80°-90°)	244.4	4.2			G3/500
BL (0°-30°)	186.2	3.2	B1/500		
BM (30°-60°)	543.2	9.4	B1/1000		
BH (60°-80°)	457.1	7.9	B1/500		G1/500
BVH (80°-90°)	103.6	1.8			G2/225
UL (90°-100°)	129.8	2.3		U3/500	
UH (100°-180°)	44.3	0.8		U2/50	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P560986

CATALOG NUMBER: SDL-PA1-70-827-U-T4W-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7
2.5°	569.0	623.4	614.4	621.2	621.2	623.4	625.7	625.7	628.0	625.7	625.7
5°	580.4	578.1	573.6	569.0	564.5	557.7	557.7	557.7	612.1	616.6	612.1
7.5°	541.8	589.4	584.9	575.8	575.8	569.0	560.0	550.9	535.0	530.5	537.3
10°	612.1	609.8	603.0	589.4	539.5	548.6	491.9	444.3	426.2	437.5	467.0
12.5°	544.1	582.6	598.5	598.5	535.0	460.2	410.3	437.5	421.7	376.3	410.3
15°	641.6	637.0	618.9	589.4	469.3	467.0	439.8	385.4	392.2	426.2	457.9
17.5°	548.6	548.6	614.4	562.2	482.9	392.2	389.9	433.0	396.7	378.6	396.7
20°	662.0	659.7	639.3	467.0	487.4	480.6	396.7	442.1	378.6	435.3	476.1
22.5°	562.2	557.7	589.4	560.0	464.7	485.1	371.8	419.4	451.1	399.0	369.5
25°	662.0	666.5	657.4	498.7	528.2	439.8	448.9	478.3	414.9	505.5	525.9
27.5°	582.6	582.6	557.7	557.7	489.7	528.2	421.7	448.9	494.2	546.4	641.6
30°	714.1	716.4	700.5	537.3	541.8	507.8	489.7	521.4	594.0	709.6	752.6
32.5°	872.8	872.8	750.4	641.6	544.1	612.1	516.9	569.0	673.3	732.2	788.9
35°	972.6	961.2	906.8	720.9	587.2	625.7	584.9	605.3	698.2	784.4	825.2
37.5°	1115.4	1110.8	1056.4	791.2	630.2	666.5	607.6	630.2	743.6	822.9	870.5
40°	1312.6	1289.9	1242.3	913.6	682.4	702.8	634.8	662.0	798.0	872.8	929.5
42.5°	1469.0	1473.6	1439.6	1058.7	768.5	754.9	682.4	702.8	856.9	949.9	1013.4
45°	1614.1	1609.6	1616.4	1233.3	875.1	838.8	766.3	768.5	931.7	1045.1	1131.2
47.5°	1713.9	1711.6	1727.5	1396.5	1011.1	945.3	859.2	850.1	1017.9	1208.3	1292.2
50°	1834.0	1827.2	1818.1	1571.0	1165.2	1061.0	981.6	949.9	1129.0	1391.9	1496.2
52.5°	1981.4	1965.5	1936.0	1707.1	1335.3	1208.3	1119.9	1076.8	1278.6	1598.2	1732.0
55°	2121.9	2099.3	2074.3	1859.0	1491.7	1355.7	1260.5	1235.5	1473.6	1811.3	1983.6
57.5°	2260.2	2248.9	2228.5	2060.7	1691.2	1509.8	1403.3	1398.7	1700.3	2017.6	2253.4
60°	2389.4	2371.3	2398.5	2278.4	1877.1	1673.1	1559.7	1593.7	1949.6	2223.9	2552.7
62.5°	2468.8	2462.0	2520.9	2477.8	2049.4	1854.4	1738.8	1797.7	2189.9	2425.7	2817.9
65°	2350.9	2369.0	2602.5	2602.5	2248.9	2069.8	1956.4	1992.7	2416.6	2629.7	3060.5
67.5°	2135.5	2160.5	2477.8	2672.8	2428.0	2312.4	2194.5	2214.9	2618.4	2795.2	3257.7
70°	1951.9	1970.0	2264.7	2677.3	2541.3	2593.5	2423.4	2405.3	2774.8	2933.5	3330.2
72.5°	1790.9	1815.9	2058.5	2650.1	2652.4	2913.1	2695.5	2586.7	2917.7	2985.7	3099.0
75°	1419.2	1407.8	1682.1	2330.5	2688.7	3262.2	3015.1	2788.4	2987.9	2806.6	2430.2
77.5°	698.2	727.7	958.9	1500.8	2269.3	3339.3	3189.7	2888.2	2806.6	2350.9	1516.6
80°	206.3	213.1	267.5	537.3	1303.5	2629.7	2634.3	2389.4	2110.6	1373.8	684.6
82.5°	115.6	117.9	154.2	233.5	535.0	1666.3	1734.3	1435.0	934.0	507.8	342.3
85°	61.2	63.5	79.3	122.4	272.0	664.2	705.0	548.6	451.1	331.0	251.6
87.5°	29.5	29.5	27.2	40.8	99.7	161.0	179.1	204.0	181.4	170.0	208.6
90°	24.9	24.9	20.4	22.7	54.4	115.6	140.6	156.4	142.8	156.4	229.0
92.5°	27.2	27.2	20.4	22.7	58.9	129.2	154.2	174.6	151.9	167.8	253.9
95°	24.9	27.2	18.1	20.4	58.9	158.7	185.9	190.4	156.4	183.6	272.0
97.5°	20.4	20.4	13.6	15.9	52.1	185.9	204.0	197.2	138.3	140.6	217.6
100°	15.9	15.9	9.1	13.6	36.3	149.6	174.6	165.5	90.7	22.7	54.4
102.5°	13.6	13.6	6.8	11.3	15.9	72.5	92.9	90.7	54.4	13.6	11.3
105°	13.6	13.6	6.8	9.1	9.1	20.4	31.7	40.8	22.7	6.8	11.3
107.5°	13.6	13.6	6.8	4.5	4.5	9.1	11.3	11.3	11.3	6.8	13.6
110°	15.9	15.9	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.8	13.6



REPORT NUMBER: P560986
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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	13.6	13.6	4.5	4.5	2.3	4.5	4.5	4.5	4.5	6.8	13.6
115°	11.3	11.3	2.3	4.5	2.3	2.3	4.5	2.3	4.5	4.5	11.3
117.5°	11.3	9.1	2.3	2.3	2.3	2.3	2.3	2.3	4.5	6.8	13.6
120°	11.3	11.3	4.5	2.3	2.3	2.3	2.3	2.3	4.5	9.1	15.9
122.5°	11.3	11.3	4.5	2.3	0.0	2.3	2.3	2.3	4.5	9.1	18.1
125°	13.6	11.3	4.5	2.3	0.0	0.0	2.3	2.3	2.3	9.1	15.9
127.5°	11.3	9.1	4.5	2.3	0.0	0.0	2.3	2.3	2.3	6.8	13.6
130°	11.3	9.1	4.5	0.0	0.0	0.0	2.3	2.3	2.3	6.8	11.3
132.5°	9.1	6.8	4.5	0.0	0.0	0.0	2.3	2.3	2.3	4.5	9.1
135°	6.8	6.8	2.3	0.0	2.3	0.0	2.3	2.3	2.3	2.3	6.8
137.5°	4.5	4.5	2.3	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
140°	2.3	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
142.5°	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3
145°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
150°	6.8	6.8	6.8	4.5	2.3	2.3	2.3	4.5	2.3	2.3	2.3
152.5°	6.8	6.8	6.8	4.5	0.0	0.0	2.3	2.3	4.5	2.3	2.3
155°	4.5	4.5	4.5	0.0	0.0	0.0	2.3	2.3	2.3	4.5	4.5
157.5°	2.3	2.3	2.3	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
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°	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7
2.5°	623.4	621.2	618.9	616.6	612.1	607.6	596.2	548.6	548.6	550.9	550.9
5°	612.1	609.8	603.0	560.0	535.0	521.4	525.9	525.9	525.9	528.2	532.7
7.5°	535.0	532.7	501.0	498.7	507.8	519.1	525.9	514.6	491.9	491.9	491.9
10°	467.0	464.7	408.1	396.7	408.1	435.3	505.5	519.1	528.2	530.5	535.0
12.5°	408.1	401.3	351.4	387.7	362.7	408.1	471.5	523.7	476.1	467.0	467.0
15°	453.4	451.1	392.2	340.1	342.3	408.1	374.1	491.9	519.1	523.7	525.9
17.5°	396.7	392.2	360.5	358.2	378.6	328.7	414.9	469.3	446.6	453.4	453.4
20°	473.8	471.5	412.6	342.3	337.8	401.3	367.3	426.2	507.8	523.7	525.9
22.5°	367.3	367.3	378.6	401.3	365.0	383.1	392.2	451.1	435.3	444.3	471.5
25°	521.4	516.9	457.9	360.5	392.2	369.5	410.3	428.5	503.3	521.4	525.9
27.5°	632.5	621.2	491.9	405.8	353.7	396.7	394.5	414.9	426.2	496.5	505.5
30°	745.8	734.5	632.5	455.7	367.3	342.3	376.3	444.3	512.3	523.7	532.7
32.5°	786.7	777.6	646.1	482.9	369.5	365.0	374.1	444.3	562.2	607.6	616.6
35°	829.7	818.4	659.7	471.5	360.5	340.1	353.7	457.9	560.0	589.4	596.2
37.5°	881.9	861.5	675.6	448.9	335.5	321.9	337.8	417.1	532.7	562.2	566.8
40°	947.6	927.2	696.0	423.9	310.6	299.2	308.3	387.7	467.0	491.9	503.3
42.5°	1047.4	1008.8	705.0	403.5	287.9	276.6	285.6	349.1	410.3	426.2	433.0
45°	1176.6	1108.6	718.6	376.3	267.5	251.6	265.2	319.6	349.1	349.1	349.1
47.5°	1335.3	1226.5	725.4	353.7	242.6	229.0	242.6	290.2	306.0	297.0	294.7
50°	1530.2	1376.1	759.5	326.5	222.2	210.8	233.5	256.2	263.0	267.5	267.5
52.5°	1759.2	1548.4	779.9	299.2	208.6	201.8	224.4	240.3	242.6	247.1	247.1
55°	2008.6	1736.5	791.2	274.3	199.5	190.4	215.4	231.2	231.2	235.8	235.8
57.5°	2267.0	1954.2	820.7	256.2	190.4	181.4	206.3	233.5	224.4	233.5	235.8
60°	2539.1	2155.9	795.7	238.0	176.8	174.6	208.6	249.4	247.1	258.4	260.7
62.5°	2795.2	2316.9	684.6	222.2	167.8	176.8	233.5	281.1	274.3	292.4	292.4
65°	2940.3	2371.3	503.3	213.1	161.0	190.4	258.4	312.8	290.2	299.2	294.7
67.5°	2972.1	2316.9	362.7	201.8	158.7	213.1	276.6	319.6	287.9	297.0	297.0
70°	2897.2	2189.9	292.4	192.7	156.4	215.4	281.1	319.6	290.2	310.6	306.0
72.5°	2559.5	1863.5	249.4	183.6	156.4	210.8	287.9	321.9	297.0	331.0	324.2
75°	1929.2	1394.2	219.9	174.6	147.4	204.0	292.4	324.2	287.9	324.2	319.6
77.5°	1147.1	795.7	195.0	163.2	136.0	197.2	287.9	324.2	281.1	319.6	315.1
80°	485.1	374.1	165.5	142.8	124.7	188.2	283.4	321.9	269.8	310.6	303.8
82.5°	306.0	253.9	140.6	117.9	122.4	185.9	285.6	317.4	265.2	312.8	290.2
85°	247.1	208.6	120.2	99.7	113.4	190.4	274.3	287.9	229.0	269.8	263.0
87.5°	208.6	174.6	54.4	43.1	83.9	147.4	208.6	215.4	165.5	210.8	201.8
90°	229.0	190.4	52.1	36.3	74.8	129.2	192.7	188.2	158.7	201.8	199.5
92.5°	249.4	201.8	49.9	38.5	83.9	140.6	210.8	190.4	167.8	204.0	201.8
95°	258.4	206.3	47.6	40.8	99.7	154.2	224.4	185.9	176.8	188.2	185.9
97.5°	195.0	149.6	45.3	43.1	104.3	174.6	210.8	156.4	115.6	115.6	113.4
100°	49.9	49.9	40.8	40.8	70.3	127.0	161.0	115.6	65.7	49.9	52.1
102.5°	13.6	15.9	36.3	38.5	38.5	56.7	90.7	74.8	43.1	6.8	6.8
105°	13.6	13.6	24.9	29.5	20.4	18.1	36.3	40.8	31.7	4.5	6.8
107.5°	13.6	13.6	11.3	15.9	6.8	9.1	9.1	11.3	11.3	4.5	4.5
110°	15.9	13.6	6.8	6.8	4.5	4.5	4.5	4.5	4.5	9.1	9.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.9	13.6	6.8	4.5	4.5	4.5	4.5	4.5	4.5	11.3	11.3
115°	13.6	11.3	6.8	4.5	4.5	4.5	4.5	2.3	4.5	13.6	13.6
117.5°	15.9	13.6	6.8	4.5	2.3	4.5	4.5	2.3	4.5	15.9	15.9
120°	18.1	15.9	6.8	4.5	2.3	2.3	2.3	2.3	6.8	15.9	15.9
122.5°	18.1	18.1	9.1	2.3	2.3	2.3	2.3	2.3	6.8	15.9	15.9
125°	18.1	15.9	6.8	2.3	2.3	2.3	0.0	2.3	6.8	15.9	18.1
127.5°	13.6	13.6	6.8	2.3	2.3	2.3	0.0	2.3	6.8	13.6	15.9
130°	11.3	11.3	4.5	2.3	2.3	2.3	0.0	2.3	6.8	13.6	13.6
132.5°	9.1	9.1	4.5	2.3	2.3	0.0	0.0	0.0	6.8	11.3	11.3
135°	6.8	6.8	2.3	2.3	2.3	0.0	0.0	0.0	4.5	9.1	9.1
137.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	4.5	4.5
140°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
142.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
145°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	2.3
147.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
150°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	2.3	4.5	2.3	4.5
152.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	2.3	4.5	4.5	4.5
155°	4.5	4.5	4.5	2.3	2.3	0.0	0.0	0.0	2.3	4.5	4.5
157.5°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)