

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: P561326

Luminaire Tested: **SDL-PA1-90-827-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561326
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-90-827-U-T2R-A
Description: Springdale
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6161.8 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U3 - G2

Input Watts (W): 92.4
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



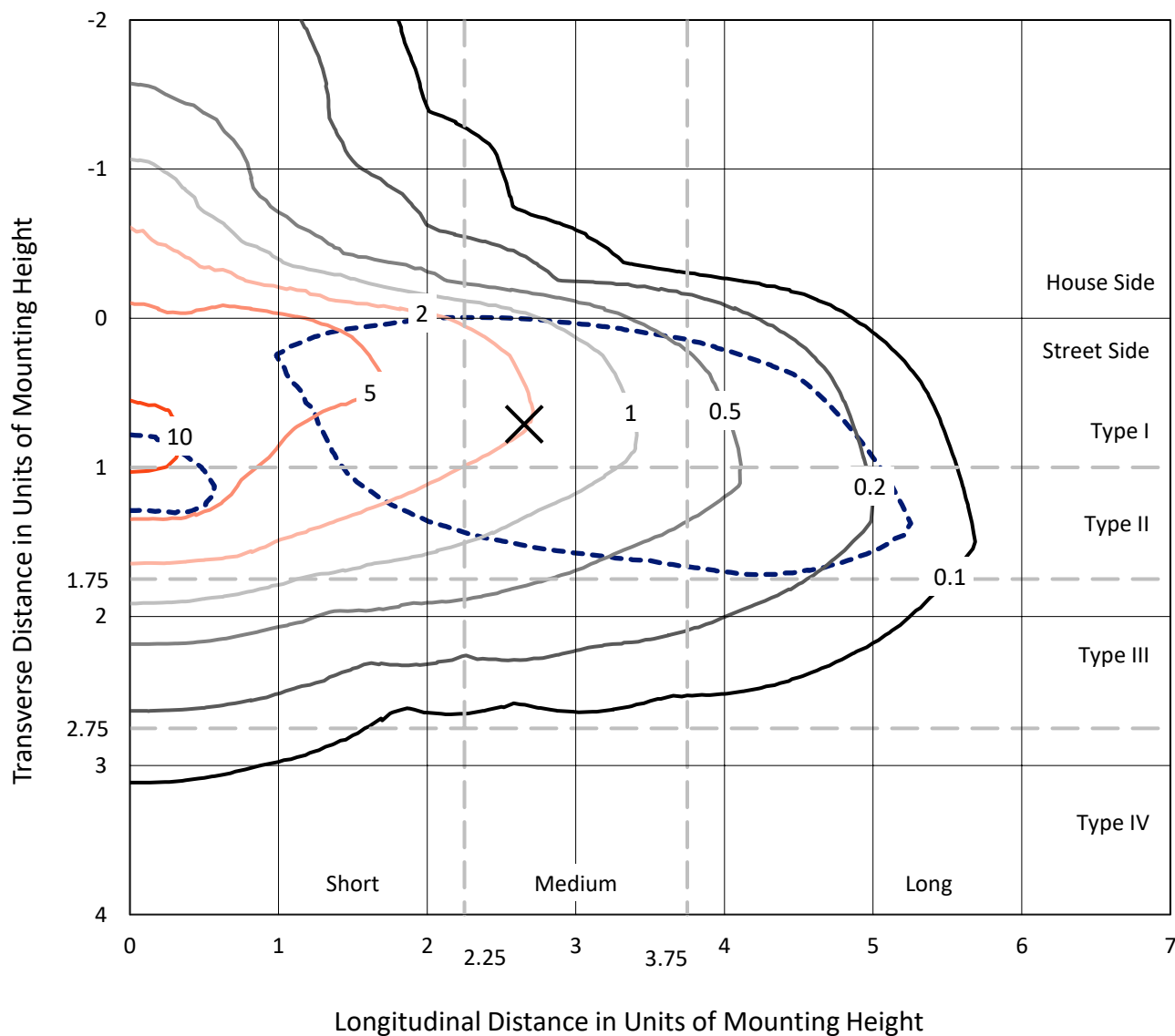
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

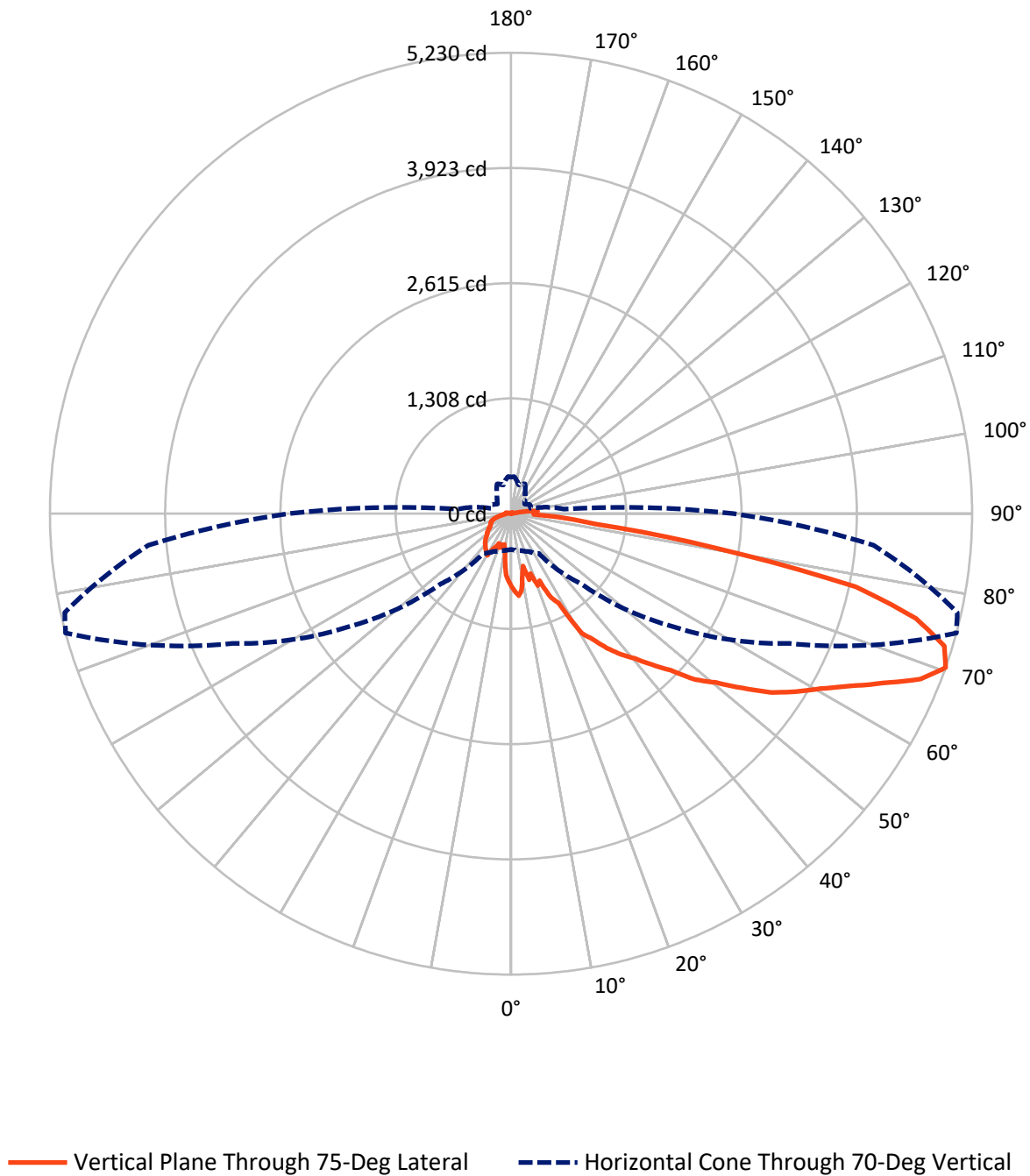


Based on 10 foot mounting height. Maximum calculated value = 12.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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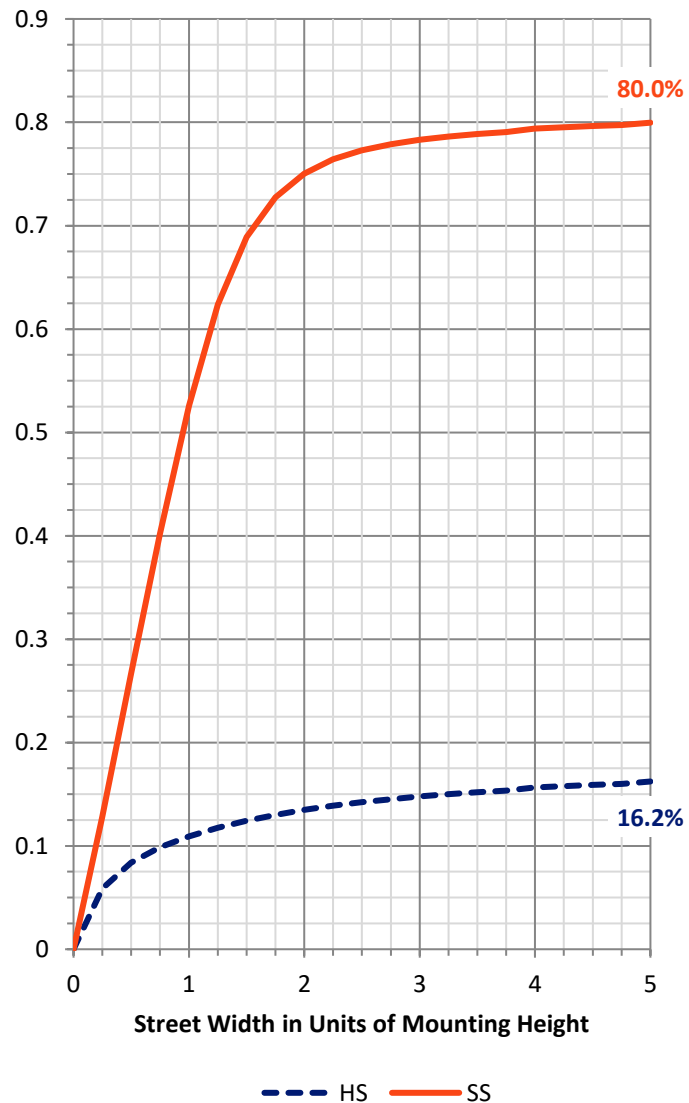
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1053.4	62.9	1116.3
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	4965.8	79.7	5045.5
	% Fixture	80.6	1.3	81.9
Total	Lumens	6019.2	142.6	6161.8
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.8	1.1
10°-20°	179.7	2.9
20°-30°	324.5	5.3
30°-40°	663.0	10.8
40°-50°	1041.2	16.9
50°-60°	1278.6	20.7
60°-70°	1271.6	20.6
70°-80°	940.5	15.3
80°-90°	251.3	4.1
90°-100°	92.9	1.5
100°-110°	21.7	0.4
110°-120°	10.3	0.2
120°-130°	9.2	0.1
130°-140°	4.4	0.1
140°-150°	2.2	0.0
150°-160°	1.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6019.2	97.7
0°-180°	6161.8	100.0

Coefficient of Utilization



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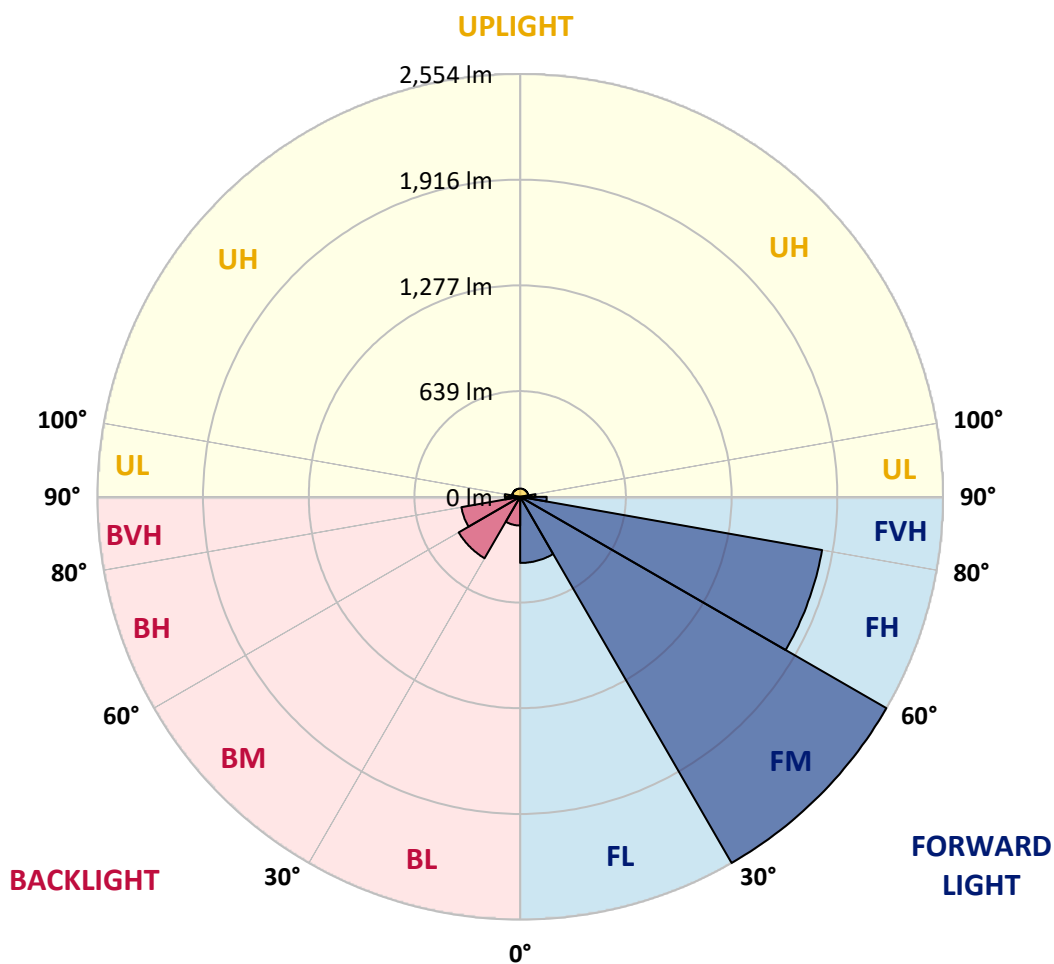
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	399.4	6.5			
FM	(30°-60°)	2554.2	41.5			
FH	(60°-80°)	1851.8	30.1			G2/5000
FVH	(80°-90°)	160.4	2.6			G2/225
BL	(0°-30°)	173.6	2.8	B1/500		
BM	(30°-60°)	428.6	7.0	B1/1000		
BH	(60°-80°)	360.3	5.8	B1/500		G1/500
BVH	(80°-90°)	90.9	1.5			G1/100
UL	(90°-100°)	92.9	1.5		U3/500	
UH	(100°-180°)	49.7	0.8		U2/50	

BUG Rating: B1-U3-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9
2.5°	857.2	905.4	927.1	951.1	972.8	960.8	941.5	912.6	886.1	876.5	847.6
5°	946.3	941.5	939.1	931.9	919.8	898.2	871.7	975.2	934.3	917.4	869.3
7.5°	833.2	965.6	980.0	994.5	989.7	963.2	929.5	835.6	871.7	850.0	789.8
10°	1018.6	1018.6	1013.8	1018.6	963.2	919.8	787.4	732.0	705.5	763.3	707.9
12.5°	866.9	943.9	1040.2	1059.5	975.2	854.8	799.4	773.0	609.2	602.0	645.3
15°	1008.9	1021.0	1023.4	1028.2	830.8	895.8	739.2	686.3	777.8	756.1	763.3
17.5°	811.5	823.5	980.0	970.4	893.4	715.2	864.5	775.4	715.2	688.7	679.0
20°	1021.0	1023.4	1016.2	821.1	862.1	934.3	809.1	785.0	871.7	869.3	833.2
22.5°	869.3	871.7	898.2	989.7	891.0	943.9	813.9	980.0	825.9	828.3	642.9
25°	1163.1	1165.5	1141.4	881.3	1001.7	886.1	987.3	881.3	1054.7	1021.0	941.5
27.5°	1220.8	1131.7	1040.2	1093.2	956.0	1100.4	939.1	1066.7	1146.2	1139.0	1151.0
30°	1548.3	1553.1	1490.5	1196.8	1119.7	1086.0	1083.6	1266.6	1570.0	1582.0	1382.2
32.5°	2097.3	2068.4	1760.2	1476.1	1206.4	1324.4	1216.0	1466.5	1697.6	1690.4	1480.9
35°	2347.8	2318.9	2203.3	1822.8	1394.2	1430.3	1372.5	1560.4	1873.4	1818.0	1579.6
37.5°	2559.7	2554.9	2458.5	2008.2	1584.4	1637.4	1466.5	1675.9	2025.1	1967.3	1680.8
40°	2742.7	2725.8	2641.5	2174.4	1779.5	1781.9	1584.4	1815.6	2160.0	2174.4	1779.5
42.5°	2894.4	2879.9	2810.1	2340.6	1895.1	1909.5	1709.7	1957.7	2340.6	2367.0	1933.6
45°	2957.0	2964.2	2916.1	2489.8	1998.6	2025.1	1859.0	2102.2	2533.2	2554.9	2070.9
47.5°	3002.7	3005.2	2993.1	2612.7	2109.4	2121.4	2005.8	2232.2	2812.5	2769.2	2232.2
50°	2899.2	2889.6	2901.6	2706.6	2205.7	2220.2	2128.6	2367.0	3012.4	2957.0	2400.7
52.5°	2627.1	2639.1	2764.4	2658.4	2237.0	2265.9	2244.2	2485.0	3289.3	3245.9	2641.5
55°	1943.2	1996.2	2357.4	2460.9	2234.6	2285.2	2350.2	2709.0	3580.7	3515.6	2846.2
57.5°	1572.4	1572.4	1784.3	2123.8	2111.8	2273.1	2458.5	2860.7	3811.8	3766.1	3050.9
60°	1261.8	1261.8	1377.4	1685.6	1873.4	2212.9	2569.3	3084.6	4030.9	4004.5	3231.5
62.5°	989.7	987.3	1083.6	1257.0	1536.3	2080.5	2627.1	3277.3	4305.5	4300.6	3520.5
65°	715.2	724.8	806.7	915.0	1206.4	1832.5	2624.7	3450.6	4635.3	4649.8	3845.5
67.5°	529.8	534.6	580.3	659.8	828.3	1519.4	2509.1	3571.0	5008.6	4984.5	4052.6
70°	406.9	414.2	433.4	474.4	551.4	1129.3	2229.8	3486.7	5230.1	5184.4	4129.7
72.5°	341.9	344.3	341.9	363.6	368.4	765.7	1786.7	3166.5	5138.6	5066.4	3917.8
75°	291.4	289.0	286.5	291.4	272.1	505.7	1281.0	2680.1	4743.7	4618.5	3460.3
77.5°	250.4	248.0	238.4	240.8	216.7	373.2	874.1	2102.2	3997.2	3703.5	2600.6
80°	207.1	207.1	199.9	199.9	183.0	284.1	558.6	1449.6	2328.5	2094.9	1353.3
82.5°	161.3	158.9	158.9	163.7	156.5	221.5	366.0	722.4	960.8	900.6	633.3
85°	86.7	86.7	98.7	110.8	108.4	134.8	279.3	426.2	568.3	549.0	354.0
87.5°	26.5	26.5	28.9	36.1	38.5	72.2	175.8	207.1	257.7	284.1	279.3
90°	28.9	26.5	19.3	21.7	24.1	53.0	163.7	199.9	260.1	289.0	296.2
92.5°	33.7	31.3	19.3	19.3	24.1	43.3	156.5	195.0	284.1	313.0	320.3
95°	36.1	33.7	19.3	19.3	24.1	38.5	139.7	192.6	303.4	341.9	341.9
97.5°	33.7	31.3	14.4	16.9	21.7	33.7	108.4	158.9	211.9	233.6	269.7
100°	28.9	28.9	9.6	14.4	19.3	24.1	62.6	86.7	62.6	60.2	60.2
102.5°	26.5	26.5	9.6	12.0	14.4	16.9	28.9	45.8	14.4	16.9	21.7
105°	26.5	28.9	7.2	9.6	9.6	9.6	14.4	24.1	12.0	14.4	21.7
107.5°	26.5	28.9	7.2	7.2	9.6	7.2	7.2	9.6	12.0	14.4	24.1
110°	24.1	24.1	4.8	7.2	7.2	7.2	4.8	7.2	12.0	16.9	24.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	16.9	16.9	4.8	7.2	7.2	7.2	4.8	7.2	12.0	16.9	24.1
115°	12.0	9.6	4.8	7.2	4.8	7.2	4.8	7.2	12.0	16.9	21.7
117.5°	9.6	7.2	4.8	4.8	4.8	4.8	2.4	7.2	14.4	19.3	26.5
120°	9.6	9.6	4.8	4.8	4.8	4.8	2.4	7.2	21.7	24.1	33.7
122.5°	9.6	9.6	4.8	4.8	4.8	4.8	2.4	4.8	19.3	26.5	36.1
125°	9.6	9.6	4.8	4.8	4.8	4.8	2.4	4.8	16.9	24.1	31.3
127.5°	9.6	9.6	4.8	2.4	4.8	4.8	4.8	4.8	14.4	19.3	26.5
130°	9.6	9.6	4.8	2.4	4.8	4.8	4.8	4.8	12.0	14.4	21.7
132.5°	7.2	7.2	4.8	2.4	4.8	2.4	2.4	4.8	9.6	12.0	16.9
135°	4.8	4.8	4.8	2.4	4.8	2.4	2.4	2.4	4.8	7.2	12.0
137.5°	2.4	4.8	2.4	2.4	4.8	2.4	2.4	2.4	2.4	2.4	4.8
140°	2.4	2.4	2.4	2.4	4.8	2.4	2.4	2.4	2.4	2.4	2.4
142.5°	2.4	2.4	2.4	2.4	4.8	4.8	2.4	2.4	2.4	2.4	2.4
145°	2.4	2.4	2.4	2.4	7.2	4.8	2.4	2.4	2.4	2.4	2.4
147.5°	2.4	2.4	2.4	9.6	7.2	4.8	2.4	2.4	2.4	2.4	2.4
150°	12.0	12.0	12.0	9.6	7.2	4.8	7.2	2.4	2.4	2.4	2.4
152.5°	12.0	12.0	14.4	7.2	4.8	2.4	2.4	9.6	7.2	4.8	4.8
155°	9.6	7.2	7.2	2.4	2.4	2.4	2.4	2.4	7.2	9.6	9.6
157.5°	2.4	2.4	4.8	2.4	2.4	2.4	2.4	2.4	4.8	2.4	2.4
160°	0.0	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
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°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9
2.5°	830.8	811.5	765.7	732.0	691.1	655.0	623.7	553.8	541.8	534.6	532.2
5°	830.8	789.8	700.7	592.4	508.1	488.8	479.2	479.2	474.4	476.8	479.2
7.5°	736.8	681.5	546.6	462.3	476.8	476.8	479.2	467.1	428.6	433.4	426.2
10°	645.3	575.5	411.8	375.6	411.8	414.2	469.6	491.2	498.5	500.9	500.9
12.5°	594.8	496.0	356.4	368.4	332.3	380.5	447.9	500.9	455.1	431.0	431.0
15°	683.9	587.5	399.7	322.7	327.5	380.5	339.5	474.4	491.2	496.0	496.0
17.5°	614.0	517.7	366.0	332.3	366.0	313.0	382.9	435.8	416.6	394.9	392.5
20°	736.8	611.6	409.4	325.1	322.7	370.8	339.5	356.4	445.5	447.9	445.5
22.5°	573.1	488.8	363.6	368.4	322.7	354.0	334.7	368.4	351.6	349.2	351.6
25°	794.6	633.3	419.0	317.9	337.1	313.0	337.1	310.6	373.2	378.1	380.5
27.5°	972.8	756.1	445.5	344.3	293.8	320.3	301.0	310.6	289.0	301.0	305.8
30°	1158.2	881.3	544.2	380.5	310.6	274.5	279.3	276.9	313.0	310.6	305.8
32.5°	1218.4	898.2	520.1	397.3	308.2	276.9	255.2	272.1	298.6	320.3	322.7
35°	1278.6	910.2	500.9	380.5	301.0	260.1	250.4	279.3	301.0	303.4	310.6
37.5°	1348.5	919.8	481.6	356.4	279.3	255.2	248.0	260.1	308.2	303.4	296.2
40°	1413.5	924.7	457.5	334.7	255.2	250.4	231.2	260.1	272.1	281.7	286.5
42.5°	1529.1	953.6	438.3	315.4	238.4	238.4	221.5	243.2	279.3	284.1	281.7
45°	1613.3	943.9	411.8	298.6	221.5	211.9	216.7	264.9	281.7	310.6	305.8
47.5°	1733.7	968.0	380.5	272.1	207.1	195.0	204.7	257.7	289.0	310.6	315.4
50°	1851.7	963.2	354.0	250.4	197.5	185.4	226.3	250.4	284.1	320.3	320.3
52.5°	2005.8	970.4	341.9	231.2	185.4	185.4	233.6	252.8	291.4	315.4	315.4
55°	2143.1	943.9	313.0	223.9	183.0	178.2	236.0	262.5	293.8	315.4	317.9
57.5°	2244.2	891.0	291.4	216.7	180.6	183.0	236.0	284.1	274.5	315.4	322.7
60°	2355.0	833.2	272.1	216.7	180.6	190.2	243.2	301.0	301.0	329.9	329.9
62.5°	2506.7	797.0	262.5	219.1	175.8	197.5	264.9	327.5	303.4	349.2	351.6
65°	2634.3	748.9	255.2	228.8	178.2	207.1	276.9	349.2	317.9	370.8	368.4
67.5°	2636.7	676.6	245.6	238.4	180.6	214.3	276.9	363.6	334.7	390.1	382.9
70°	2521.1	604.4	231.2	238.4	187.8	221.5	276.9	373.2	337.1	421.4	414.2
72.5°	2273.1	493.6	209.5	228.8	199.9	231.2	291.4	370.8	337.1	455.1	447.9
75°	1933.6	394.9	180.6	209.5	199.9	243.2	301.0	368.4	325.1	433.4	419.0
77.5°	1471.3	322.7	151.7	183.0	190.2	248.0	301.0	363.6	315.4	404.5	394.9
80°	758.5	226.3	122.8	156.5	178.2	243.2	298.6	344.3	281.7	358.8	354.0
82.5°	416.6	166.2	98.7	115.6	149.3	228.8	289.0	310.6	248.0	293.8	281.7
85°	269.7	120.4	79.5	93.9	125.2	190.2	243.2	245.6	175.8	211.9	199.9
87.5°	202.3	69.8	50.6	57.8	86.7	106.0	154.1	158.9	110.8	130.0	122.8
90°	211.9	69.8	53.0	60.2	77.1	79.5	113.2	120.4	86.7	98.7	98.7
92.5°	226.3	69.8	55.4	62.6	69.8	62.6	89.1	98.7	72.2	79.5	77.1
95°	231.2	67.4	60.2	65.0	62.6	50.6	72.2	79.5	60.2	60.2	60.2
97.5°	168.6	48.2	60.2	65.0	57.8	40.9	55.4	62.6	38.5	31.3	31.3
100°	45.8	24.1	57.8	62.6	50.6	33.7	48.2	48.2	24.1	16.9	16.9
102.5°	19.3	19.3	50.6	55.4	38.5	21.7	33.7	33.7	16.9	7.2	7.2
105°	19.3	14.4	36.1	40.9	26.5	12.0	16.9	19.3	12.0	7.2	7.2
107.5°	19.3	14.4	16.9	21.7	12.0	9.6	9.6	9.6	7.2	7.2	7.2
110°	21.7	14.4	9.6	12.0	9.6	7.2	7.2	7.2	7.2	9.6	12.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.1	16.9	9.6	12.0	9.6	7.2	7.2	7.2	9.6	21.7	21.7
115°	21.7	14.4	9.6	9.6	7.2	7.2	4.8	4.8	9.6	26.5	26.5
117.5°	24.1	16.9	9.6	9.6	7.2	4.8	4.8	4.8	12.0	31.3	31.3
120°	28.9	19.3	9.6	7.2	4.8	4.8	4.8	4.8	14.4	33.7	33.7
122.5°	31.3	21.7	9.6	7.2	4.8	2.4	4.8	7.2	16.9	33.7	33.7
125°	26.5	19.3	9.6	7.2	4.8	2.4	4.8	7.2	16.9	31.3	33.7
127.5°	24.1	16.9	9.6	4.8	4.8	2.4	2.4	7.2	14.4	24.1	28.9
130°	19.3	14.4	7.2	4.8	4.8	2.4	2.4	4.8	14.4	21.7	26.5
132.5°	16.9	12.0	7.2	4.8	4.8	2.4	2.4	4.8	14.4	19.3	19.3
135°	12.0	9.6	4.8	4.8	4.8	2.4	4.8	2.4	9.6	16.9	16.9
137.5°	7.2	4.8	4.8	4.8	4.8	2.4	2.4	2.4	7.2	9.6	9.6
140°	2.4	2.4	4.8	4.8	4.8	2.4	2.4	2.4	4.8	4.8	4.8
142.5°	2.4	2.4	4.8	4.8	4.8	2.4	2.4	2.4	4.8	4.8	4.8
145°	2.4	2.4	2.4	4.8	4.8	2.4	2.4	2.4	2.4	2.4	4.8
147.5°	2.4	2.4	2.4	4.8	2.4	2.4	2.4	2.4	2.4	2.4	4.8
150°	2.4	2.4	2.4	4.8	4.8	2.4	2.4	4.8	4.8	4.8	4.8
152.5°	2.4	2.4	4.8	4.8	2.4	2.4	2.4	4.8	4.8	4.8	4.8
155°	7.2	7.2	4.8	4.8	2.4	2.4	0.0	2.4	4.8	4.8	4.8
157.5°	2.4	2.4	4.8	2.4	2.4	2.4	0.0	2.4	2.4	2.4	2.4
160°	2.4	2.4	2.4	2.4	2.4	2.4	0.0	2.4	2.4	2.4	2.4
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)