

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: P561018

Luminaire Tested: **SDL-PA1-80-722-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561018
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-PA1-80-722-U-T2R-A
Description: Springdale
(1) 70 CRI, 2200K, 1050mA 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: 5623.4 lumens
Efficiency: N/A
Efficacy: 68.6 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): 82
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

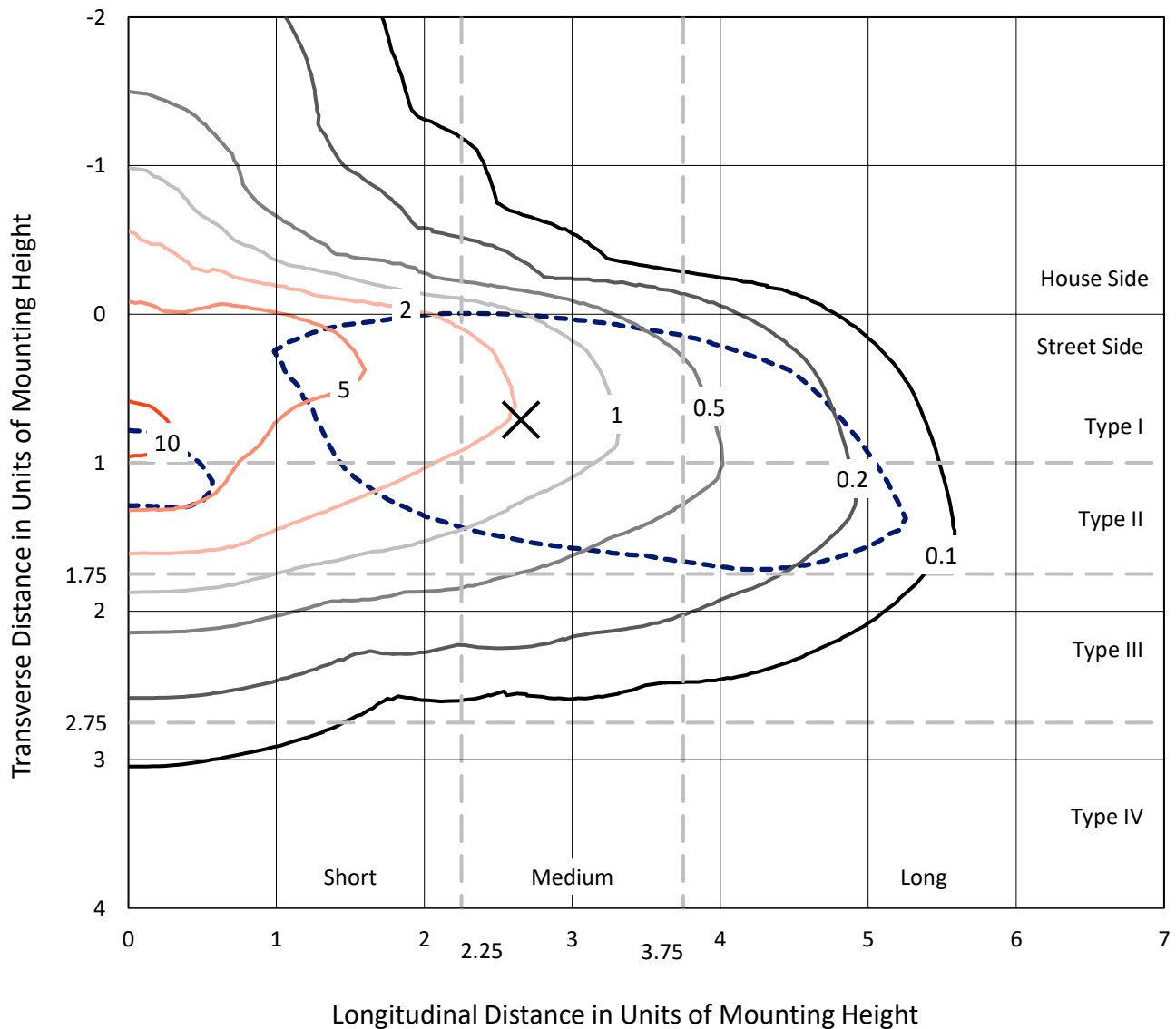


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

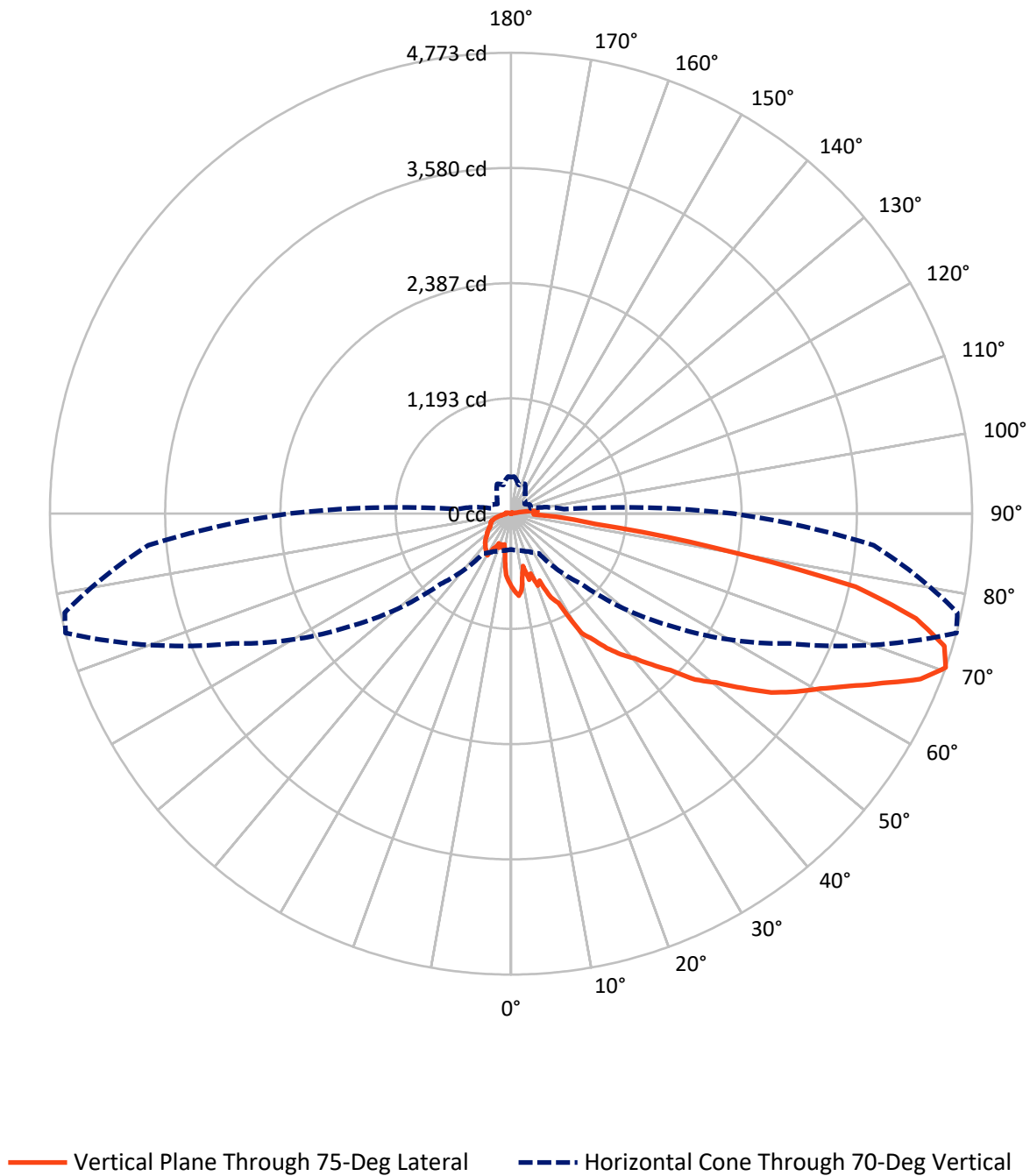


Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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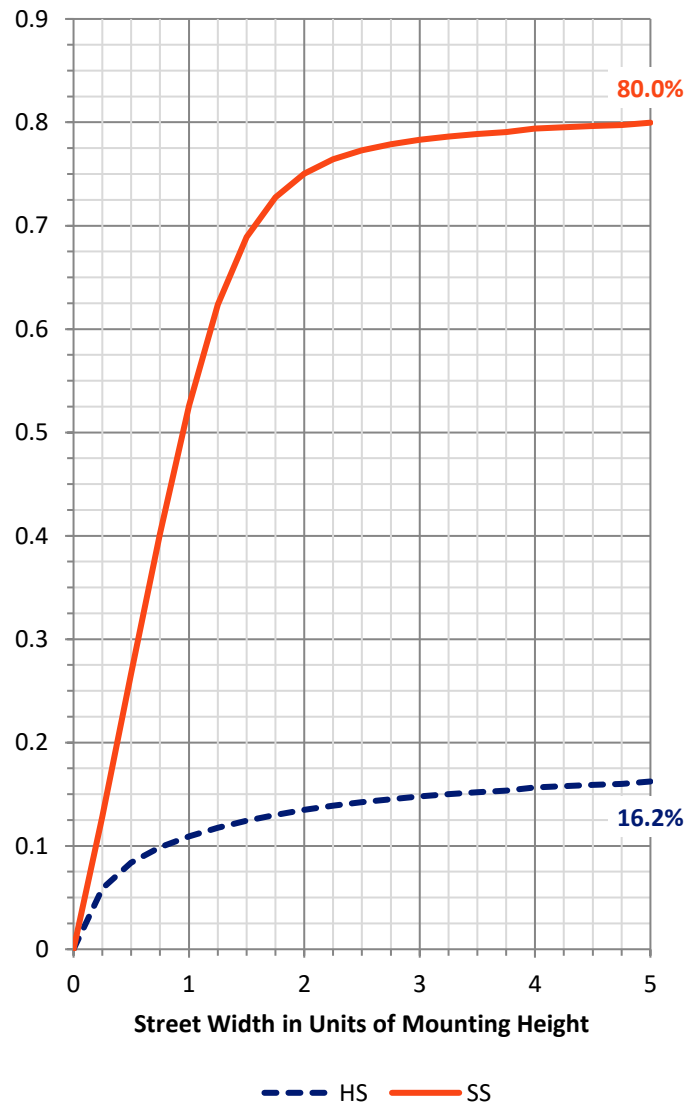
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	961.3	57.5	1018.8
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	4531.8	72.8	4604.6
	% Fixture	80.6	1.3	81.9
Total	Lumens	5493.2	130.3	5623.4
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.8	1.1
10°-20°	164.0	2.9
20°-30°	296.1	5.3
30°-40°	605.1	10.8
40°-50°	950.2	16.9
50°-60°	1166.8	20.7
60°-70°	1160.5	20.6
70°-80°	858.3	15.3
80°-90°	229.3	4.1
90°-100°	84.8	1.5
100°-110°	19.8	0.4
110°-120°	9.4	0.2
120°-130°	8.4	0.1
130°-140°	4.1	0.1
140°-150°	2.0	0.0
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5493.2	97.7
0°-180°	5623.4	100.0

Coefficient of Utilization



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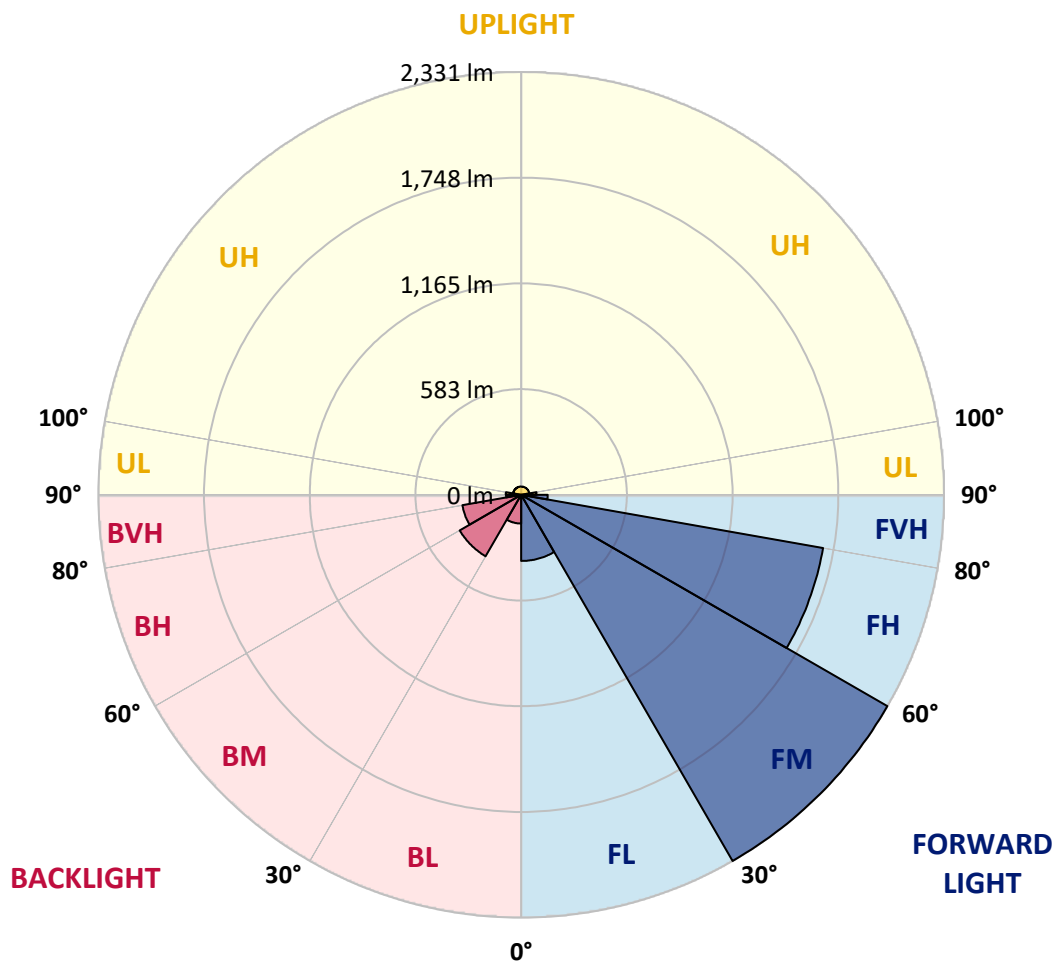
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	364.5	6.5			
FM	(30°-60°)	2331.0	41.5			
FH	(60°-80°)	1690.0	30.1			G1/1800
FVH	(80°-90°)	146.4	2.6			G2/225
BL	(0°-30°)	158.4	2.8	B1/500		
BM	(30°-60°)	391.1	7.0	B1/1000		
BH	(60°-80°)	328.8	5.8	B1/500		G1/500
BVH	(80°-90°)	82.9	1.5			G1/100
UL	(90°-100°)	84.8	1.5		U3/500	
UH	(100°-180°)	45.5	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°	753.8	753.8	753.8	753.8	753.8	753.8	753.8	753.8	753.8	753.8	753.8
2.5°	782.3	826.3	846.0	868.0	887.8	876.8	859.2	832.9	808.7	799.9	773.5
5°	863.6	859.2	857.0	850.4	839.5	819.7	795.5	890.0	852.6	837.3	793.3
7.5°	760.3	881.2	894.4	907.6	903.2	879.0	848.2	762.5	795.5	775.7	720.8
10°	929.6	929.6	925.2	929.6	879.0	839.5	718.6	668.0	643.9	696.6	646.1
12.5°	791.1	861.4	949.3	966.9	890.0	780.1	729.6	705.4	556.0	549.4	588.9
15°	920.8	931.7	933.9	938.3	758.1	817.5	674.6	626.3	709.8	690.0	696.6
17.5°	740.6	751.6	894.4	885.6	815.3	652.7	788.9	707.6	652.7	628.5	619.7
20°	931.7	933.9	927.4	749.4	786.7	852.6	738.4	716.4	795.5	793.3	760.3
22.5°	793.3	795.5	819.7	903.2	813.1	861.4	742.8	894.4	753.8	755.9	586.7
25°	1061.4	1063.6	1041.6	804.3	914.2	808.7	901.0	804.3	962.5	931.7	859.2
27.5°	1114.1	1032.8	949.3	997.7	872.4	1004.3	857.0	973.5	1046.0	1039.4	1050.4
30°	1413.0	1417.4	1360.3	1092.2	1021.8	991.1	988.9	1155.9	1432.8	1443.8	1261.4
32.5°	1914.0	1887.7	1606.4	1347.1	1101.0	1208.6	1109.7	1338.3	1549.3	1542.7	1351.5
35°	2142.6	2116.2	2010.7	1663.5	1272.4	1305.3	1252.6	1424.0	1709.7	1659.1	1441.6
37.5°	2336.0	2331.6	2243.7	1832.7	1446.0	1494.3	1338.3	1529.5	1848.1	1795.4	1533.9
40°	2503.0	2487.6	2410.7	1984.4	1624.0	1626.2	1446.0	1656.9	1971.2	1984.4	1624.0
42.5°	2641.4	2628.2	2564.5	2136.0	1729.5	1742.6	1560.2	1786.6	2136.0	2160.2	1764.6
45°	2698.6	2705.2	2661.2	2272.2	1823.9	1848.1	1696.5	1918.4	2311.8	2331.6	1889.9
47.5°	2740.3	2742.5	2731.5	2384.3	1925.0	1936.0	1830.5	2037.1	2566.7	2527.2	2037.1
50°	2645.8	2637.0	2648.0	2470.0	2012.9	2026.1	1942.6	2160.2	2749.1	2698.6	2190.9
52.5°	2397.5	2408.5	2522.8	2426.1	2041.5	2067.9	2048.1	2267.8	3001.8	2962.3	2410.7
55°	1773.4	1821.7	2151.4	2245.9	2039.3	2085.4	2144.8	2472.2	3267.7	3208.4	2597.5
57.5°	1435.0	1435.0	1628.4	1938.2	1927.2	2074.5	2243.7	2610.7	3478.7	3436.9	2784.3
60°	1151.5	1151.5	1257.0	1538.3	1709.7	2019.5	2344.8	2815.0	3678.7	3654.5	2949.1
62.5°	903.2	901.0	988.9	1147.1	1402.0	1898.7	2397.5	2990.8	3929.2	3924.8	3212.8
65°	652.7	661.5	736.2	835.1	1101.0	1672.3	2395.3	3149.1	4230.2	4243.4	3509.4
67.5°	483.5	487.9	529.6	602.1	755.9	1386.6	2289.8	3258.9	4570.8	4548.9	3698.4
70°	371.4	378.0	395.6	432.9	503.2	1030.6	2034.9	3182.0	4773.0	4731.3	3768.8
72.5°	312.0	314.2	312.0	331.8	336.2	698.8	1630.6	2889.7	4689.5	4623.6	3575.4
75°	265.9	263.7	261.5	265.9	248.3	461.5	1169.1	2445.8	4329.1	4214.8	3157.8
77.5°	228.5	226.3	217.6	219.8	197.8	340.6	797.7	1918.4	3647.9	3379.8	2373.3
80°	189.0	189.0	182.4	182.4	167.0	259.3	509.8	1322.9	2125.0	1911.8	1235.0
82.5°	147.2	145.0	145.0	149.4	142.8	202.2	334.0	659.3	876.8	821.9	577.9
85°	79.1	79.1	90.1	101.1	98.9	123.1	254.9	389.0	518.6	501.0	323.0
87.5°	24.2	24.2	26.4	33.0	35.2	65.9	160.4	189.0	235.1	259.3	254.9
90°	26.4	24.2	17.6	19.8	22.0	48.3	149.4	182.4	237.3	263.7	270.3
92.5°	30.8	28.6	17.6	17.6	22.0	39.6	142.8	178.0	259.3	285.7	292.3
95°	33.0	30.8	17.6	17.6	22.0	35.2	127.5	175.8	276.9	312.0	312.0
97.5°	30.8	28.6	13.2	15.4	19.8	30.8	98.9	145.0	193.4	213.2	246.1
100°	26.4	26.4	8.8	13.2	17.6	22.0	57.1	79.1	57.1	54.9	54.9
102.5°	24.2	24.2	8.8	11.0	13.2	15.4	26.4	41.8	13.2	15.4	19.8
105°	24.2	26.4	6.6	8.8	8.8	8.8	13.2	22.0	11.0	13.2	19.8
107.5°	24.2	26.4	6.6	6.6	8.8	6.6	6.6	8.8	11.0	13.2	22.0
110°	22.0	22.0	4.4	6.6	6.6	6.6	4.4	6.6	11.0	15.4	22.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	15.4	15.4	4.4	6.6	6.6	6.6	4.4	6.6	11.0	15.4	22.0
115°	11.0	8.8	4.4	6.6	4.4	6.6	4.4	6.6	11.0	15.4	19.8
117.5°	8.8	6.6	4.4	4.4	4.4	4.4	2.2	6.6	13.2	17.6	24.2
120°	8.8	8.8	4.4	4.4	4.4	4.4	2.2	6.6	19.8	22.0	30.8
122.5°	8.8	8.8	4.4	4.4	4.4	4.4	2.2	4.4	17.6	24.2	33.0
125°	8.8	8.8	4.4	4.4	4.4	4.4	2.2	4.4	15.4	22.0	28.6
127.5°	8.8	8.8	4.4	2.2	4.4	4.4	4.4	4.4	13.2	17.6	24.2
130°	8.8	8.8	4.4	2.2	4.4	4.4	4.4	4.4	11.0	13.2	19.8
132.5°	6.6	6.6	4.4	2.2	4.4	2.2	2.2	4.4	8.8	11.0	15.4
135°	4.4	4.4	4.4	2.2	4.4	2.2	2.2	2.2	4.4	6.6	11.0
137.5°	2.2	4.4	2.2	2.2	4.4	2.2	2.2	2.2	2.2	2.2	4.4
140°	2.2	2.2	2.2	2.2	4.4	2.2	2.2	2.2	2.2	2.2	2.2
142.5°	2.2	2.2	2.2	2.2	4.4	4.4	2.2	2.2	2.2	2.2	2.2
145°	2.2	2.2	2.2	2.2	6.6	4.4	2.2	2.2	2.2	2.2	2.2
147.5°	2.2	2.2	2.2	8.8	6.6	4.4	2.2	2.2	2.2	2.2	2.2
150°	11.0	11.0	11.0	8.8	6.6	4.4	6.6	2.2	2.2	2.2	2.2
152.5°	11.0	11.0	13.2	6.6	4.4	2.2	2.2	8.8	6.6	4.4	4.4
155°	8.8	6.6	6.6	2.2	2.2	2.2	2.2	2.2	6.6	8.8	8.8
157.5°	2.2	2.2	4.4	2.2	2.2	2.2	2.2	2.2	4.4	2.2	2.2
160°	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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°	753.8	753.8	753.8	753.8	753.8	753.8	753.8	753.8	753.8	753.8	753.8
2.5°	758.1	740.6	698.8	668.0	630.7	597.7	569.2	505.4	494.4	487.9	485.7
5°	758.1	720.8	639.5	540.6	463.7	446.1	437.3	437.3	432.9	435.1	437.3
7.5°	672.4	621.9	498.8	421.9	435.1	435.1	437.3	426.3	391.2	395.6	389.0
10°	588.9	525.2	375.8	342.8	375.8	378.0	428.5	448.3	454.9	457.1	457.1
12.5°	542.8	452.7	325.2	336.2	303.3	347.2	408.7	457.1	415.3	393.4	393.4
15°	624.1	536.2	364.8	294.5	298.9	347.2	309.9	432.9	448.3	452.7	452.7
17.5°	560.4	472.5	334.0	303.3	334.0	285.7	349.4	397.8	380.2	360.4	358.2
20°	672.4	558.2	373.6	296.7	294.5	338.4	309.9	325.2	406.5	408.7	406.5
22.5°	523.0	446.1	331.8	336.2	294.5	323.0	305.5	336.2	320.8	318.6	320.8
25°	725.2	577.9	382.4	290.1	307.7	285.7	307.7	283.5	340.6	345.0	347.2
27.5°	887.8	690.0	406.5	314.2	268.1	292.3	274.7	283.5	263.7	274.7	279.1
30°	1057.0	804.3	496.6	347.2	283.5	250.5	254.9	252.7	285.7	283.5	279.1
32.5°	1111.9	819.7	474.7	362.6	281.3	252.7	232.9	248.3	272.5	292.3	294.5
35°	1166.9	830.7	457.1	347.2	274.7	237.3	228.5	254.9	274.7	276.9	283.5
37.5°	1230.6	839.5	439.5	325.2	254.9	232.9	226.3	237.3	281.3	276.9	270.3
40°	1289.9	843.8	417.5	305.5	232.9	228.5	211.0	237.3	248.3	257.1	261.5
42.5°	1395.4	870.2	399.9	287.9	217.6	217.6	202.2	221.9	254.9	259.3	257.1
45°	1472.3	861.4	375.8	272.5	202.2	193.4	197.8	241.7	257.1	283.5	279.1
47.5°	1582.2	883.4	347.2	248.3	189.0	178.0	186.8	235.1	263.7	283.5	287.9
50°	1689.9	879.0	323.0	228.5	180.2	169.2	206.6	228.5	259.3	292.3	292.3
52.5°	1830.5	885.6	312.0	211.0	169.2	169.2	213.2	230.7	265.9	287.9	287.9
55°	1955.8	861.4	285.7	204.4	167.0	162.6	215.4	239.5	268.1	287.9	290.1
57.5°	2048.1	813.1	265.9	197.8	164.8	167.0	215.4	259.3	250.5	287.9	294.5
60°	2149.2	760.3	248.3	197.8	164.8	173.6	221.9	274.7	274.7	301.1	301.1
62.5°	2287.6	727.4	239.5	200.0	160.4	180.2	241.7	298.9	276.9	318.6	320.8
65°	2404.1	683.4	232.9	208.8	162.6	189.0	252.7	318.6	290.1	338.4	336.2
67.5°	2406.3	617.5	224.1	217.6	164.8	195.6	252.7	331.8	305.5	356.0	349.4
70°	2300.8	551.6	211.0	217.6	171.4	202.2	252.7	340.6	307.7	384.6	378.0
72.5°	2074.5	450.5	191.2	208.8	182.4	211.0	265.9	338.4	307.7	415.3	408.7
75°	1764.6	360.4	164.8	191.2	182.4	221.9	274.7	336.2	296.7	395.6	382.4
77.5°	1342.7	294.5	138.4	167.0	173.6	226.3	274.7	331.8	287.9	369.2	360.4
80°	692.2	206.6	112.1	142.8	162.6	221.9	272.5	314.2	257.1	327.4	323.0
82.5°	380.2	151.6	90.1	105.5	136.2	208.8	263.7	283.5	226.3	268.1	257.1
85°	246.1	109.9	72.5	85.7	114.3	173.6	221.9	224.1	160.4	193.4	182.4
87.5°	184.6	63.7	46.1	52.7	79.1	96.7	140.6	145.0	101.1	118.7	112.1
90°	193.4	63.7	48.3	54.9	70.3	72.5	103.3	109.9	79.1	90.1	90.1
92.5°	206.6	63.7	50.5	57.1	63.7	57.1	81.3	90.1	65.9	72.5	70.3
95°	211.0	61.5	54.9	59.3	57.1	46.1	65.9	72.5	54.9	54.9	54.9
97.5°	153.8	44.0	54.9	59.3	52.7	37.4	50.5	57.1	35.2	28.6	28.6
100°	41.8	22.0	52.7	57.1	46.1	30.8	44.0	44.0	22.0	15.4	15.4
102.5°	17.6	17.6	46.1	50.5	35.2	19.8	30.8	30.8	15.4	6.6	6.6
105°	17.6	13.2	33.0	37.4	24.2	11.0	15.4	17.6	11.0	6.6	6.6
107.5°	17.6	13.2	15.4	19.8	11.0	8.8	8.8	8.8	6.6	6.6	6.6
110°	19.8	13.2	8.8	11.0	8.8	6.6	6.6	6.6	6.6	8.8	11.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.0	15.4	8.8	11.0	8.8	6.6	6.6	6.6	8.8	19.8	19.8
115°	19.8	13.2	8.8	8.8	6.6	6.6	4.4	4.4	8.8	24.2	24.2
117.5°	22.0	15.4	8.8	8.8	6.6	4.4	4.4	4.4	11.0	28.6	28.6
120°	26.4	17.6	8.8	6.6	4.4	4.4	4.4	4.4	13.2	30.8	30.8
122.5°	28.6	19.8	8.8	6.6	4.4	2.2	4.4	6.6	15.4	30.8	30.8
125°	24.2	17.6	8.8	6.6	4.4	2.2	4.4	6.6	15.4	28.6	30.8
127.5°	22.0	15.4	8.8	4.4	4.4	2.2	2.2	6.6	13.2	22.0	26.4
130°	17.6	13.2	6.6	4.4	4.4	2.2	2.2	4.4	13.2	19.8	24.2
132.5°	15.4	11.0	6.6	4.4	4.4	2.2	2.2	4.4	13.2	17.6	17.6
135°	11.0	8.8	4.4	4.4	4.4	2.2	4.4	2.2	8.8	15.4	15.4
137.5°	6.6	4.4	4.4	4.4	4.4	2.2	2.2	2.2	6.6	8.8	8.8
140°	2.2	2.2	4.4	4.4	4.4	2.2	2.2	2.2	4.4	4.4	4.4
142.5°	2.2	2.2	4.4	4.4	4.4	2.2	2.2	2.2	4.4	4.4	4.4
145°	2.2	2.2	2.2	4.4	4.4	2.2	2.2	2.2	2.2	2.2	4.4
147.5°	2.2	2.2	2.2	4.4	2.2	2.2	2.2	2.2	2.2	2.2	4.4
150°	2.2	2.2	2.2	4.4	4.4	2.2	2.2	4.4	4.4	4.4	4.4
152.5°	2.2	2.2	4.4	4.4	2.2	2.2	2.2	4.4	4.4	4.4	4.4
155°	6.6	6.6	4.4	4.4	2.2	2.2	0.0	2.2	4.4	4.4	4.4
157.5°	2.2	2.2	4.4	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
160°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
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)