

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: P559940

Luminaire Tested: **SDL-PA1-100-830-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559940
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-PA1-100-830-U-T2R-A
Description: Springdale
(1) 80 CRI, 3000K, 1200mA 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: 6722 lumens
Efficiency: N/A
Efficacy: 71.7 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): 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



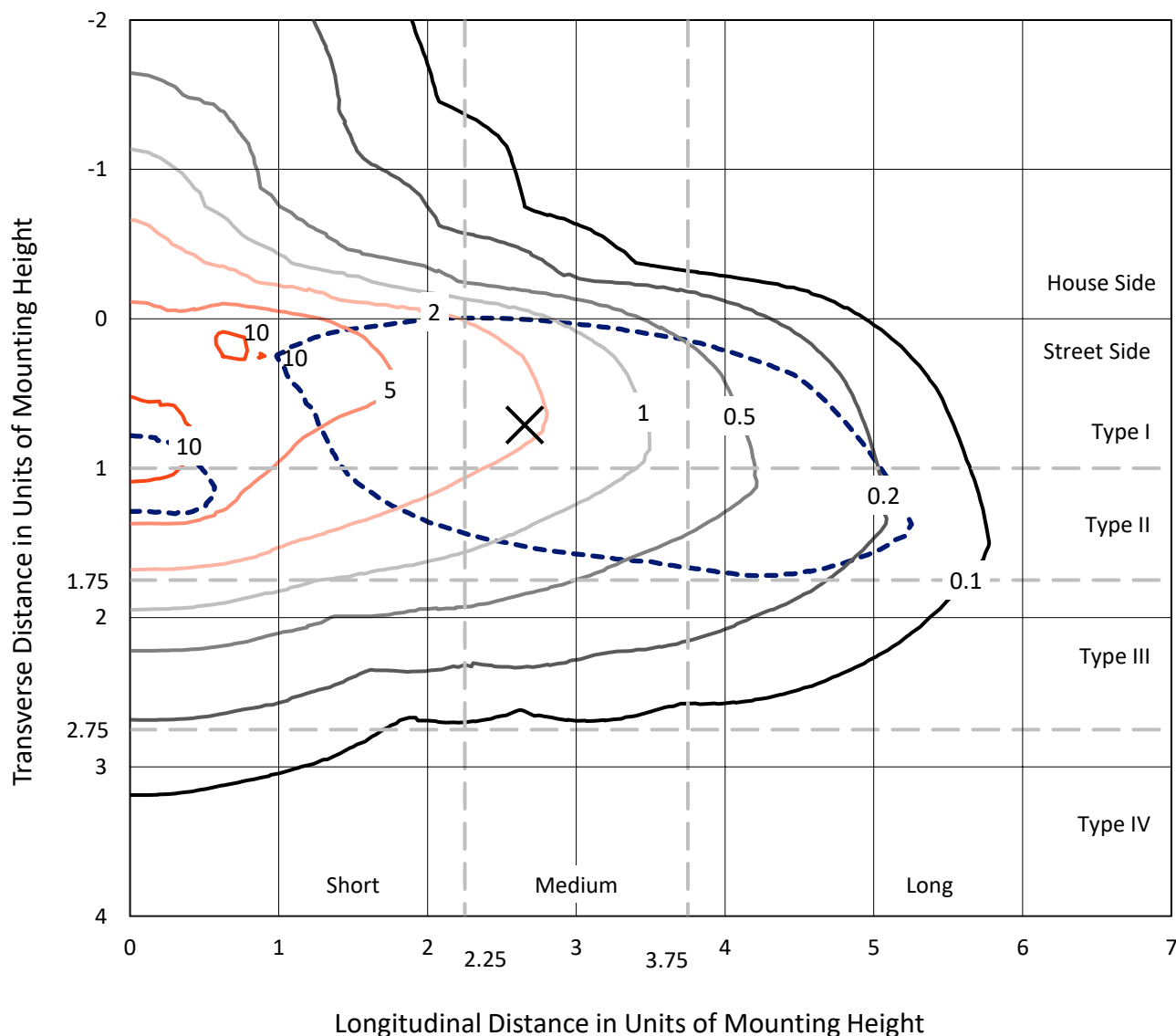
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

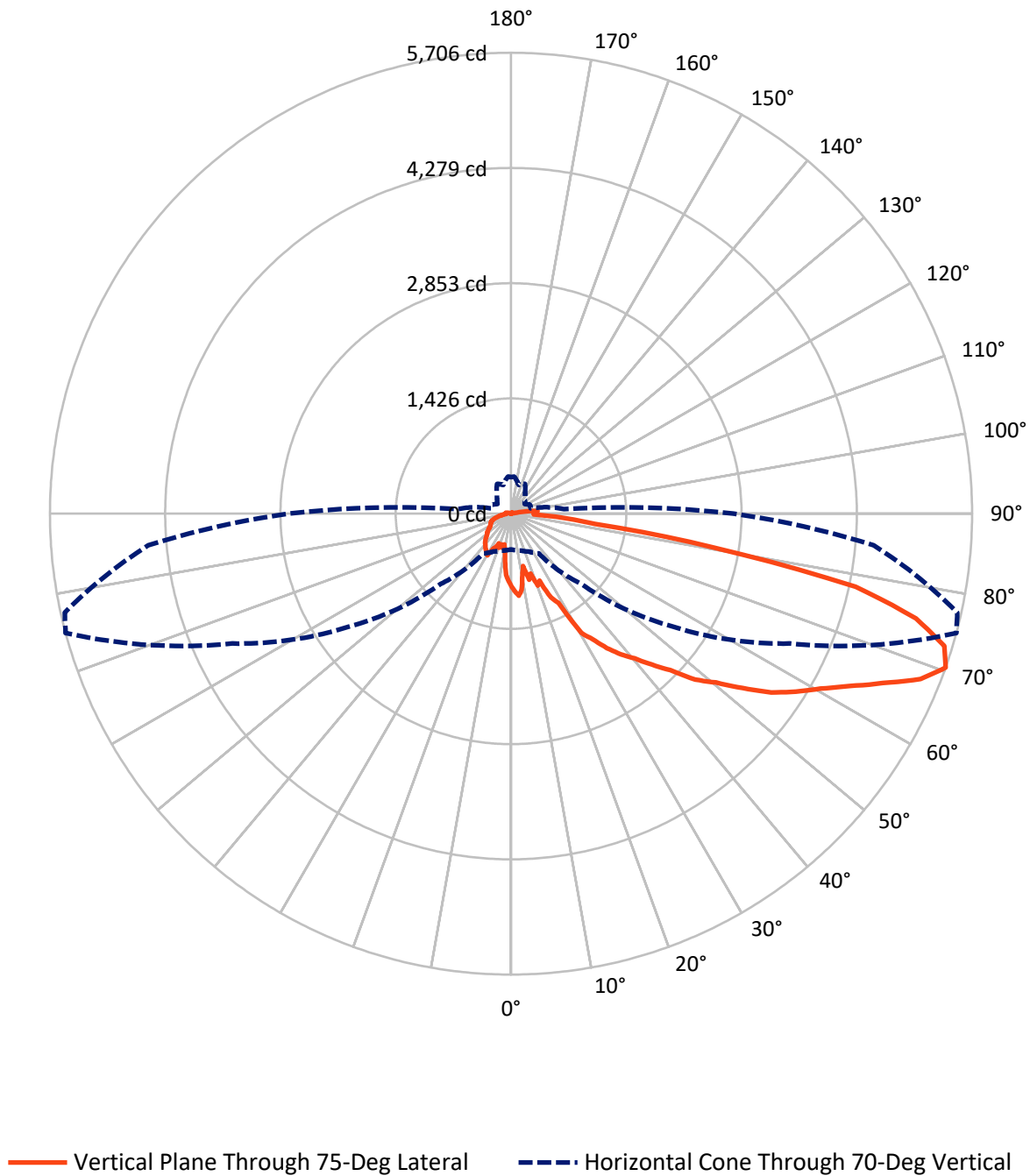


Based on 10 foot mounting height. Maximum calculated value = 14 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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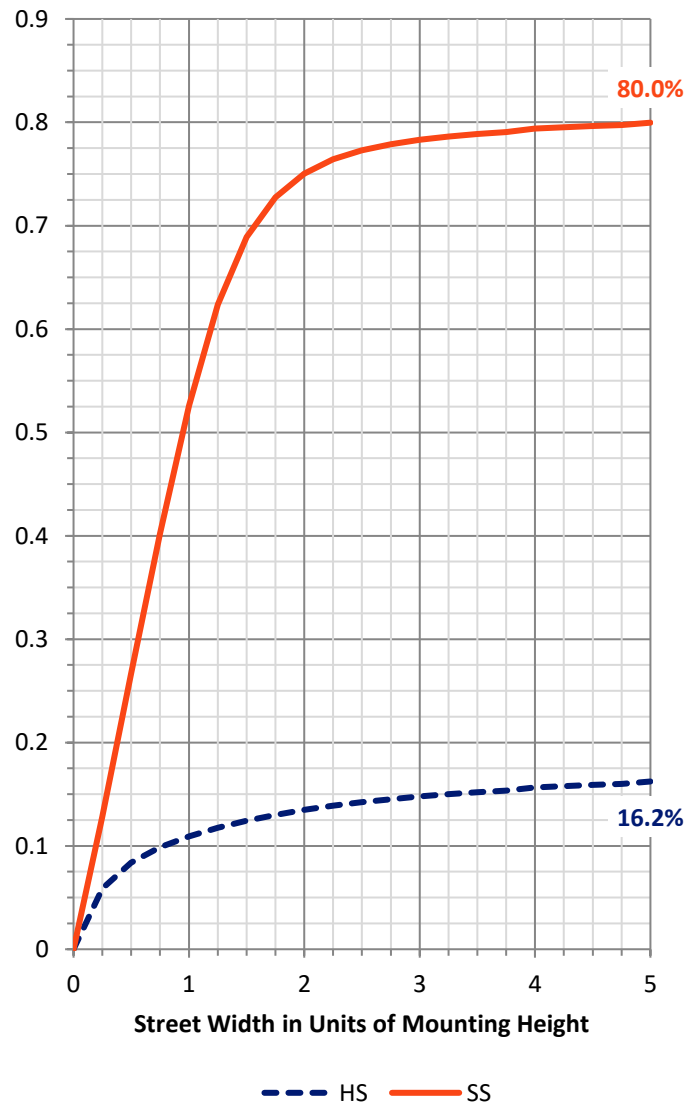
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1149.2	68.7	1217.9
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	5417.2	87.0	5504.2
	% Fixture	80.6	1.3	81.9
Total	Lumens	6566.4	155.7	6722.0
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	1.1
10°-20°	196.1	2.9
20°-30°	354.0	5.3
30°-40°	723.3	10.8
40°-50°	1135.9	16.9
50°-60°	1394.8	20.7
60°-70°	1387.2	20.6
70°-80°	1026.0	15.3
80°-90°	274.1	4.1
90°-100°	101.3	1.5
100°-110°	23.7	0.4
110°-120°	11.2	0.2
120°-130°	10.0	0.1
130°-140°	4.8	0.1
140°-150°	2.4	0.0
150°-160°	2.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6566.4	97.7
0°-180°	6722.0	100.0

Coefficient of Utilization



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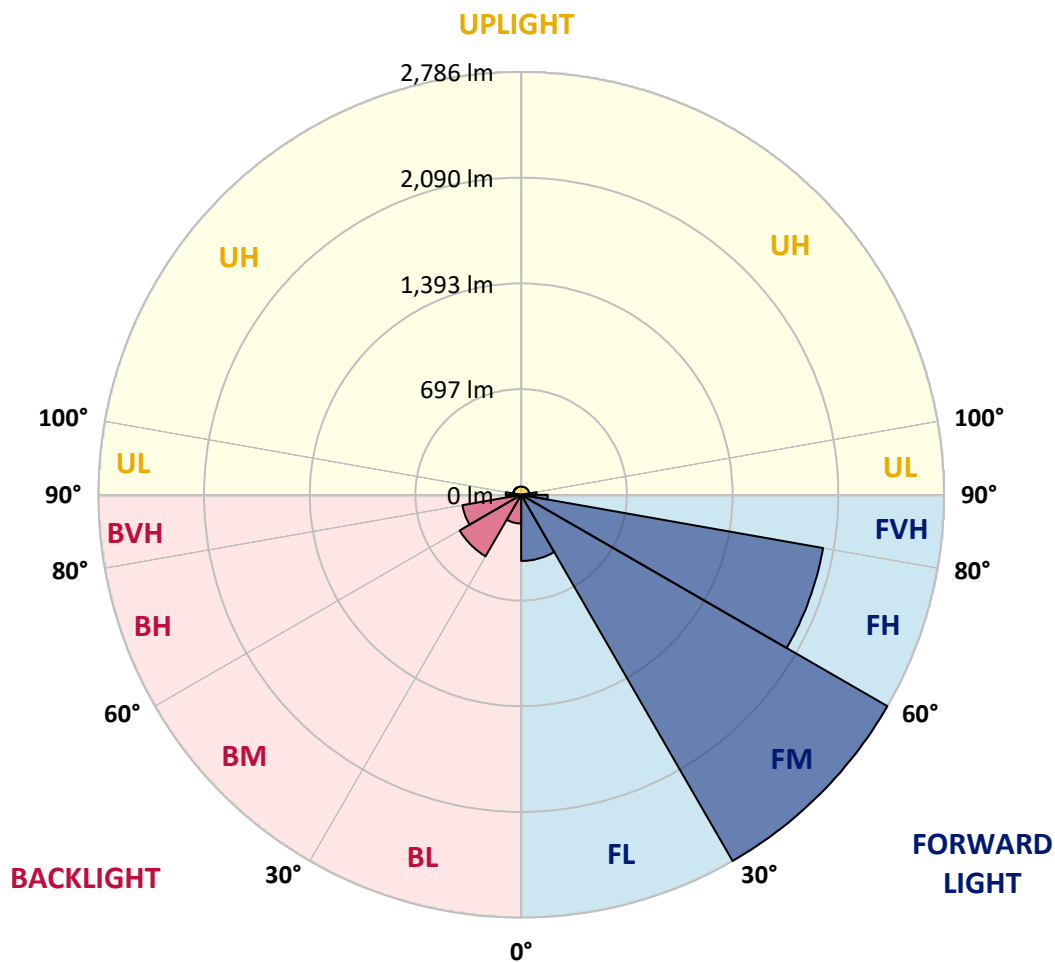
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	435.7	6.5			
FM	(30°-60°)	2786.4	41.5			
FH	(60°-80°)	2020.1	30.1			G2/5000
FVH	(80°-90°)	175.0	2.6			G2/225
BL	(0°-30°)	189.4	2.8	B1/500		
BM	(30°-60°)	467.6	7.0	B1/1000		
BH	(60°-80°)	393.1	5.8	B1/500		G1/500
BVH	(80°-90°)	99.1	1.5			G1/100
UL	(90°-100°)	101.3	1.5		U3/500	
UH	(100°-180°)	54.3	0.8		U3/500	

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°	901.0	901.0	901.0	901.0	901.0	901.0	901.0	901.0	901.0	901.0	901.0
2.5°	935.2	987.7	1011.3	1037.6	1061.2	1048.1	1027.1	995.6	966.7	956.2	924.7
5°	1032.4	1027.1	1024.5	1016.6	1003.5	979.8	950.9	1063.9	1019.2	1000.8	948.3
7.5°	908.9	1053.4	1069.1	1084.9	1079.6	1050.7	1014.0	911.5	950.9	927.3	861.6
10°	1111.2	1111.2	1105.9	1111.2	1050.7	1003.5	859.0	798.6	769.7	832.7	772.3
12.5°	945.7	1029.7	1134.8	1155.8	1063.9	932.5	872.1	843.2	664.6	656.7	704.0
15°	1100.7	1113.8	1116.4	1121.7	906.3	977.2	806.4	748.7	848.5	824.8	832.7
17.5°	885.2	898.4	1069.1	1058.6	974.6	780.2	943.0	845.8	780.2	751.3	740.8
20°	1113.8	1116.4	1108.5	895.8	940.4	1019.2	882.6	856.4	950.9	948.3	908.9
22.5°	948.3	950.9	979.8	1079.6	971.9	1029.7	887.9	1069.1	901.0	903.6	701.4
25°	1268.8	1271.4	1245.1	961.4	1092.8	966.7	1077.0	961.4	1150.6	1113.8	1027.1
27.5°	1331.8	1234.6	1134.8	1192.6	1042.9	1200.5	1024.5	1163.7	1250.4	1242.5	1255.6
30°	1689.1	1694.3	1626.0	1305.5	1221.5	1184.7	1182.1	1381.7	1712.7	1725.8	1507.8
32.5°	2288.0	2256.5	1920.2	1610.3	1316.1	1444.8	1326.6	1599.8	1851.9	1844.0	1615.5
35°	2561.2	2529.7	2403.6	1988.5	1520.9	1560.3	1497.3	1702.2	2043.7	1983.3	1723.2
37.5°	2792.3	2787.1	2682.0	2190.8	1728.5	1786.3	1599.8	1828.3	2209.2	2146.1	1833.5
40°	2992.0	2973.6	2881.7	2372.0	1941.2	1943.9	1728.5	1980.6	2356.3	2372.0	1941.2
42.5°	3157.5	3141.7	3065.5	2553.3	2067.3	2083.1	1865.1	2135.6	2553.3	2582.2	2109.4
45°	3225.8	3233.7	3181.1	2716.2	2180.3	2209.2	2027.9	2293.2	2763.4	2787.1	2259.1
47.5°	3275.7	3278.3	3265.2	2850.1	2301.1	2314.3	2188.2	2435.1	3068.2	3020.9	2435.1
50°	3162.7	3152.2	3165.4	2952.6	2406.2	2422.0	2322.1	2582.2	3286.2	3225.8	2619.0
52.5°	2865.9	2879.0	3015.6	2900.0	2440.3	2471.9	2448.2	2710.9	3588.3	3541.0	2881.7
55°	2119.9	2177.7	2571.7	2684.6	2437.7	2492.9	2563.8	2955.2	3906.1	3835.2	3104.9
57.5°	1715.3	1715.3	1946.5	2316.9	2303.7	2479.7	2682.0	3120.7	4158.3	4108.4	3328.2
60°	1376.5	1376.5	1502.6	1838.8	2043.7	2414.1	2802.9	3365.0	4397.3	4368.5	3525.2
62.5°	1079.6	1077.0	1182.1	1371.2	1675.9	2269.6	2865.9	3575.1	4696.8	4691.6	3840.5
65°	780.2	790.7	880.0	998.2	1316.1	1999.0	2863.3	3764.3	5056.7	5072.5	4195.1
67.5°	577.9	583.2	633.1	719.8	903.6	1657.5	2737.2	3895.6	5463.9	5437.6	4421.0
70°	443.9	451.8	472.8	517.5	601.5	1232.0	2432.5	3803.7	5705.5	5655.6	4505.1
72.5°	373.0	375.6	373.0	396.7	401.9	835.3	1949.1	3454.3	5605.7	5526.9	4273.9
75°	317.8	315.2	312.6	317.8	296.8	551.6	1397.5	2923.7	5174.9	5038.3	3774.8
77.5°	273.2	270.6	260.1	262.7	236.4	407.2	953.5	2293.2	4360.6	4040.1	2837.0
80°	225.9	225.9	218.0	218.0	199.6	310.0	609.4	1581.4	2540.2	2285.4	1476.3
82.5°	176.0	173.4	173.4	178.6	170.7	241.7	399.3	788.1	1048.1	982.4	690.9
85°	94.6	94.6	107.7	120.8	118.2	147.1	304.7	465.0	619.9	598.9	386.1
87.5°	28.9	28.9	31.5	39.4	42.0	78.8	191.8	225.9	281.1	310.0	304.7
90°	31.5	28.9	21.0	23.6	26.3	57.8	178.6	218.0	283.7	315.2	323.1
92.5°	36.8	34.1	21.0	21.0	26.3	47.3	170.7	212.8	310.0	341.5	349.4
95°	39.4	36.8	21.0	21.0	26.3	42.0	152.4	210.1	331.0	373.0	373.0
97.5°	36.8	34.1	15.8	18.4	23.6	36.8	118.2	173.4	231.2	254.8	294.2
100°	31.5	31.5	10.5	15.8	21.0	26.3	68.3	94.6	68.3	65.7	65.7
102.5°	28.9	28.9	10.5	13.1	15.8	18.4	31.5	49.9	15.8	18.4	23.6
105°	28.9	31.5	7.9	10.5	10.5	10.5	15.8	26.3	13.1	15.8	23.6
107.5°	28.9	31.5	7.9	7.9	10.5	7.9	7.9	10.5	13.1	15.8	26.3
110°	26.3	26.3	5.3	7.9	7.9	7.9	5.3	7.9	13.1	18.4	26.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	18.4	18.4	5.3	7.9	7.9	7.9	5.3	7.9	13.1	18.4	26.3
115°	13.1	10.5	5.3	7.9	5.3	7.9	5.3	7.9	13.1	18.4	23.6
117.5°	10.5	7.9	5.3	5.3	5.3	5.3	2.6	7.9	15.8	21.0	28.9
120°	10.5	10.5	5.3	5.3	5.3	5.3	2.6	7.9	23.6	26.3	36.8
122.5°	10.5	10.5	5.3	5.3	5.3	5.3	2.6	5.3	21.0	28.9	39.4
125°	10.5	10.5	5.3	5.3	5.3	5.3	2.6	5.3	18.4	26.3	34.1
127.5°	10.5	10.5	5.3	2.6	5.3	5.3	5.3	5.3	15.8	21.0	28.9
130°	10.5	10.5	5.3	2.6	5.3	5.3	5.3	5.3	13.1	15.8	23.6
132.5°	7.9	7.9	5.3	2.6	5.3	2.6	2.6	5.3	10.5	13.1	18.4
135°	5.3	5.3	5.3	2.6	5.3	2.6	2.6	2.6	5.3	7.9	13.1
137.5°	2.6	5.3	2.6	2.6	5.3	2.6	2.6	2.6	2.6	2.6	5.3
140°	2.6	2.6	2.6	2.6	5.3	2.6	2.6	2.6	2.6	2.6	2.6
142.5°	2.6	2.6	2.6	2.6	5.3	5.3	2.6	2.6	2.6	2.6	2.6
145°	2.6	2.6	2.6	2.6	7.9	5.3	2.6	2.6	2.6	2.6	2.6
147.5°	2.6	2.6	2.6	10.5	7.9	5.3	2.6	2.6	2.6	2.6	2.6
150°	13.1	13.1	13.1	10.5	7.9	5.3	7.9	2.6	2.6	2.6	2.6
152.5°	13.1	13.1	15.8	7.9	5.3	2.6	2.6	10.5	7.9	5.3	5.3
155°	10.5	7.9	7.9	2.6	2.6	2.6	2.6	2.6	7.9	10.5	10.5
157.5°	2.6	2.6	5.3	2.6	2.6	2.6	2.6	2.6	5.3	2.6	2.6
160°	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
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°	901.0	901.0	901.0	901.0	901.0	901.0	901.0	901.0	901.0	901.0	901.0
2.5°	906.3	885.2	835.3	798.6	753.9	714.5	680.4	604.2	591.0	583.2	580.5
5°	906.3	861.6	764.4	646.2	554.3	533.3	522.7	522.7	517.5	520.1	522.7
7.5°	803.8	743.4	596.3	504.4	520.1	520.1	522.7	509.6	467.6	472.8	465.0
10°	704.0	627.8	449.2	409.8	449.2	451.8	512.2	535.9	543.8	546.4	546.4
12.5°	648.8	541.1	388.8	401.9	362.5	415.0	488.6	546.4	496.5	470.2	470.2
15°	746.0	641.0	436.1	352.0	357.3	415.0	370.4	517.5	535.9	541.1	541.1
17.5°	669.8	564.8	399.3	362.5	399.3	341.5	417.7	475.5	454.4	430.8	428.2
20°	803.8	667.2	446.6	354.6	352.0	404.5	370.4	388.8	486.0	488.6	486.0
22.5°	625.2	533.3	396.7	401.9	352.0	386.1	365.1	401.9	383.5	380.9	383.5
25°	866.9	690.9	457.1	346.7	367.8	341.5	367.8	338.9	407.2	412.4	415.0
27.5°	1061.2	824.8	486.0	375.6	320.5	349.4	328.4	338.9	315.2	328.4	333.6
30°	1263.5	961.4	593.7	415.0	338.9	299.5	304.7	302.1	341.5	338.9	333.6
32.5°	1329.2	979.8	567.4	433.4	336.2	302.1	278.4	296.8	325.7	349.4	352.0
35°	1394.9	992.9	546.4	415.0	328.4	283.7	273.2	304.7	328.4	331.0	338.9
37.5°	1471.0	1003.5	525.4	388.8	304.7	278.4	270.6	283.7	336.2	331.0	323.1
40°	1542.0	1008.7	499.1	365.1	278.4	273.2	252.2	283.7	296.8	307.3	312.6
42.5°	1668.1	1040.2	478.1	344.1	260.1	260.1	241.7	265.3	304.7	310.0	307.3
45°	1760.0	1029.7	449.2	325.7	241.7	231.2	236.4	289.0	307.3	338.9	333.6
47.5°	1891.3	1056.0	415.0	296.8	225.9	212.8	223.3	281.1	315.2	338.9	344.1
50°	2020.0	1050.7	386.1	273.2	215.4	202.3	246.9	273.2	310.0	349.4	349.4
52.5°	2188.2	1058.6	373.0	252.2	202.3	202.3	254.8	275.8	317.8	344.1	344.1
55°	2337.9	1029.7	341.5	244.3	199.6	194.4	257.4	286.3	320.5	344.1	346.7
57.5°	2448.2	971.9	317.8	236.4	197.0	199.6	257.4	310.0	299.5	344.1	352.0
60°	2569.1	908.9	296.8	236.4	197.0	207.5	265.3	328.4	328.4	359.9	359.9
62.5°	2734.6	869.5	286.3	239.0	191.8	215.4	289.0	357.3	331.0	380.9	383.5
65°	2873.8	817.0	278.4	249.6	194.4	225.9	302.1	380.9	346.7	404.5	401.9
67.5°	2876.4	738.1	267.9	260.1	197.0	233.8	302.1	396.7	365.1	425.5	417.7
70°	2750.3	659.3	252.2	260.1	204.9	241.7	302.1	407.2	367.8	459.7	451.8
72.5°	2479.7	538.5	228.5	249.6	218.0	252.2	317.8	404.5	367.8	496.5	488.6
75°	2109.4	430.8	197.0	228.5	218.0	265.3	328.4	401.9	354.6	472.8	457.1
77.5°	1605.0	352.0	165.5	199.6	207.5	270.6	328.4	396.7	344.1	441.3	430.8
80°	827.5	246.9	134.0	170.7	194.4	265.3	325.7	375.6	307.3	391.4	386.1
82.5°	454.4	181.3	107.7	126.1	162.9	249.6	315.2	338.9	270.6	320.5	307.3
85°	294.2	131.3	86.7	102.4	136.6	207.5	265.3	267.9	191.8	231.2	218.0
87.5°	220.7	76.2	55.2	63.0	94.6	115.6	168.1	173.4	120.8	141.8	134.0
90°	231.2	76.2	57.8	65.7	84.1	86.7	123.5	131.3	94.6	107.7	107.7
92.5°	246.9	76.2	60.4	68.3	76.2	68.3	97.2	107.7	78.8	86.7	84.1
95°	252.2	73.6	65.7	70.9	68.3	55.2	78.8	86.7	65.7	65.7	65.7
97.5°	183.9	52.5	65.7	70.9	63.0	44.7	60.4	68.3	42.0	34.1	34.1
100°	49.9	26.3	63.0	68.3	55.2	36.8	52.5	52.5	26.3	18.4	18.4
102.5°	21.0	21.0	55.2	60.4	42.0	23.6	36.8	36.8	18.4	7.9	7.9
105°	21.0	15.8	39.4	44.7	28.9	13.1	18.4	21.0	13.1	7.9	7.9
107.5°	21.0	15.8	18.4	23.6	13.1	10.5	10.5	10.5	7.9	7.9	7.9
110°	23.6	15.8	10.5	13.1	10.5	7.9	7.9	7.9	7.9	10.5	13.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.3	18.4	10.5	13.1	10.5	7.9	7.9	7.9	10.5	23.6	23.6
115°	23.6	15.8	10.5	10.5	7.9	7.9	5.3	5.3	10.5	28.9	28.9
117.5°	26.3	18.4	10.5	10.5	7.9	5.3	5.3	5.3	13.1	34.1	34.1
120°	31.5	21.0	10.5	7.9	5.3	5.3	5.3	5.3	15.8	36.8	36.8
122.5°	34.1	23.6	10.5	7.9	5.3	2.6	5.3	7.9	18.4	36.8	36.8
125°	28.9	21.0	10.5	7.9	5.3	2.6	5.3	7.9	18.4	34.1	36.8
127.5°	26.3	18.4	10.5	5.3	5.3	2.6	2.6	7.9	15.8	26.3	31.5
130°	21.0	15.8	7.9	5.3	5.3	2.6	2.6	5.3	15.8	23.6	28.9
132.5°	18.4	13.1	7.9	5.3	5.3	2.6	2.6	5.3	15.8	21.0	21.0
135°	13.1	10.5	5.3	5.3	5.3	2.6	5.3	2.6	10.5	18.4	18.4
137.5°	7.9	5.3	5.3	5.3	5.3	2.6	2.6	2.6	7.9	10.5	10.5
140°	2.6	2.6	5.3	5.3	5.3	2.6	2.6	2.6	5.3	5.3	5.3
142.5°	2.6	2.6	5.3	5.3	5.3	2.6	2.6	2.6	5.3	5.3	5.3
145°	2.6	2.6	2.6	5.3	5.3	2.6	2.6	2.6	2.6	2.6	5.3
147.5°	2.6	2.6	2.6	5.3	2.6	2.6	2.6	2.6	2.6	2.6	5.3
150°	2.6	2.6	2.6	5.3	5.3	2.6	2.6	5.3	5.3	5.3	5.3
152.5°	2.6	2.6	5.3	5.3	2.6	2.6	2.6	5.3	5.3	5.3	5.3
155°	7.9	7.9	5.3	5.3	2.6	2.6	0.0	2.6	5.3	5.3	5.3
157.5°	2.6	2.6	5.3	2.6	2.6	2.6	0.0	2.6	2.6	2.6	2.6
160°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	2.6	2.6	2.6	2.6
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)