

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: P692019

Luminaire Tested: **CRTK2-C01HO-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P692019
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-22)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6355 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B2 - U3 - G3

Input Watts (W): 79
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

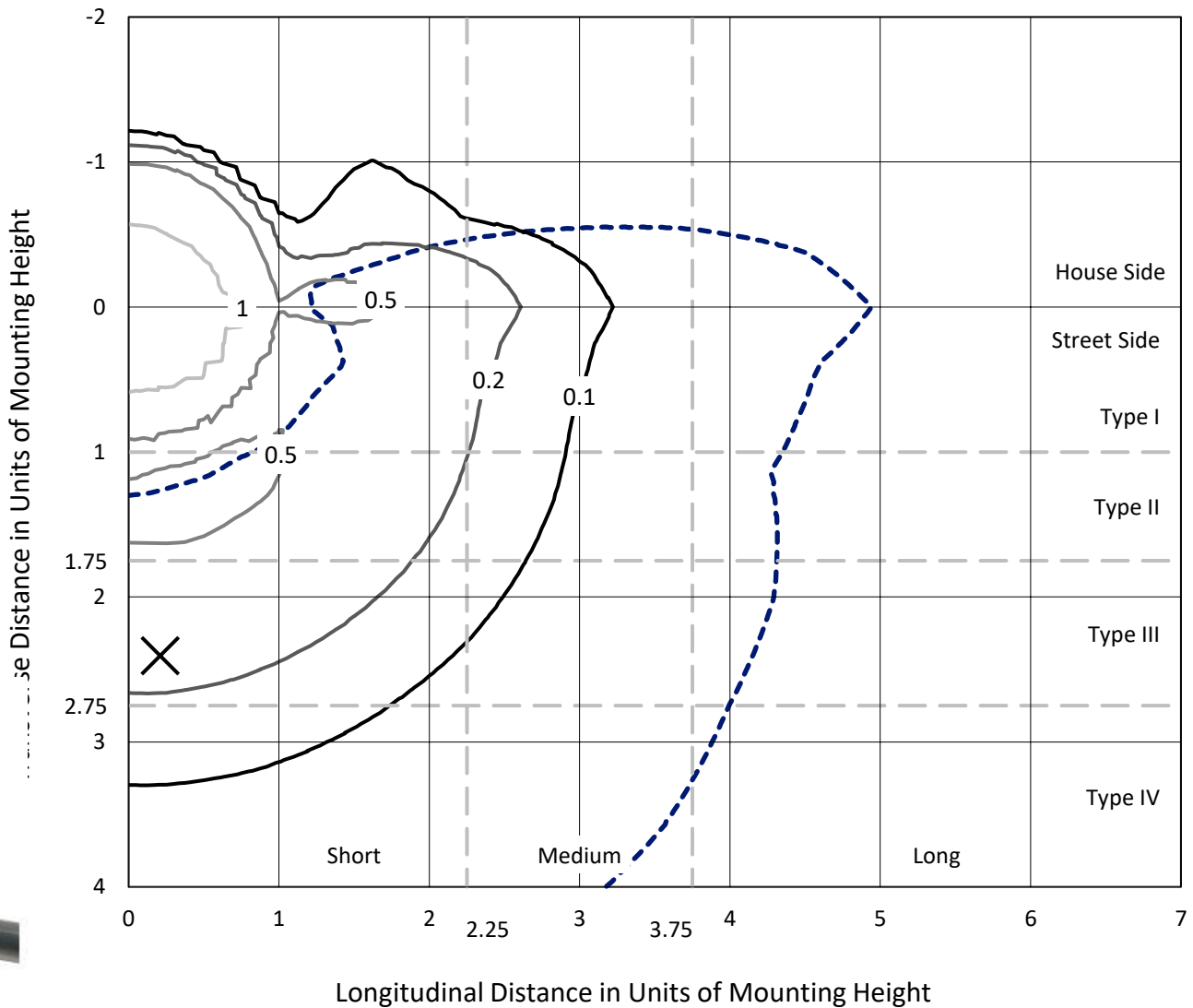


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

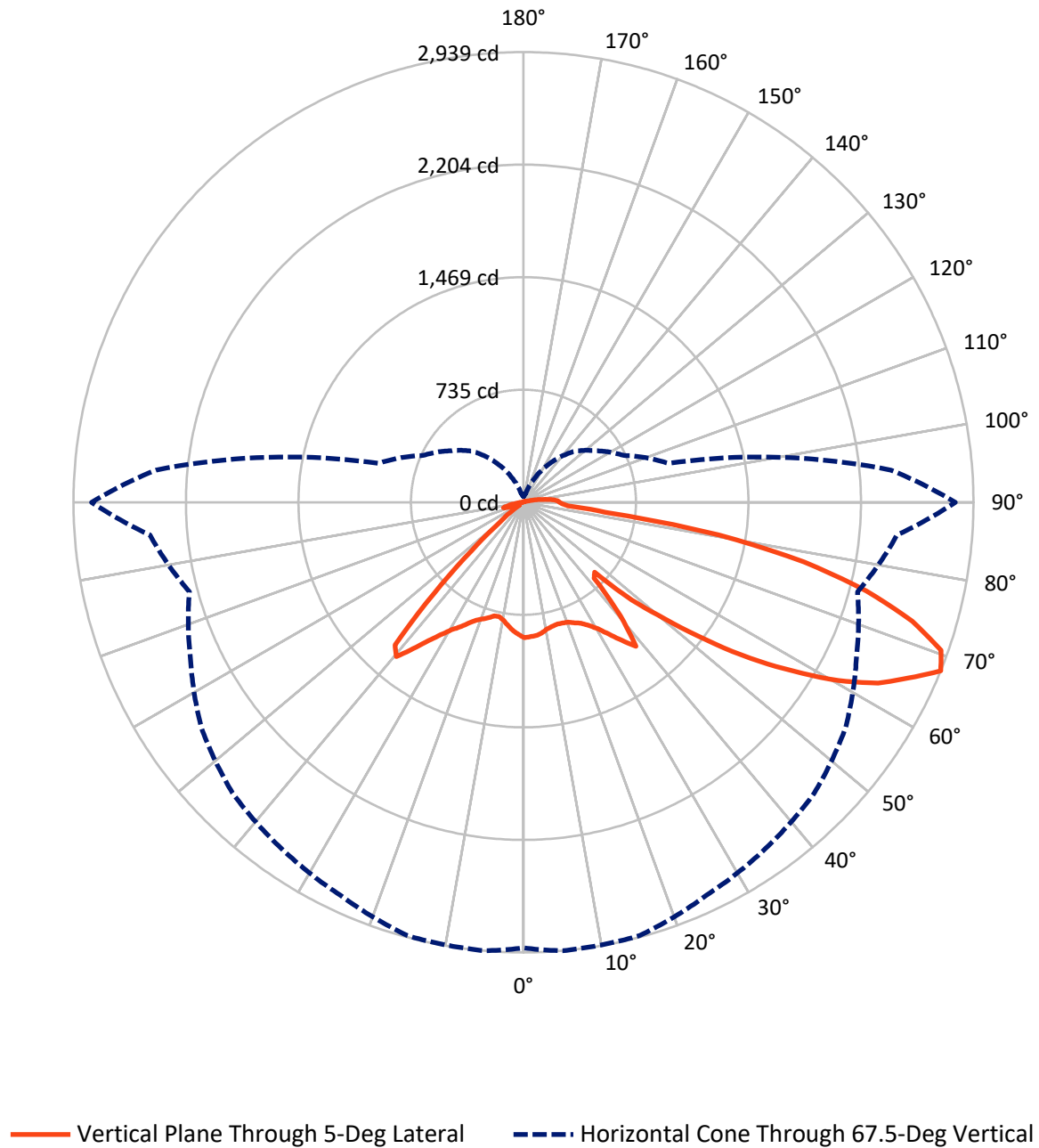


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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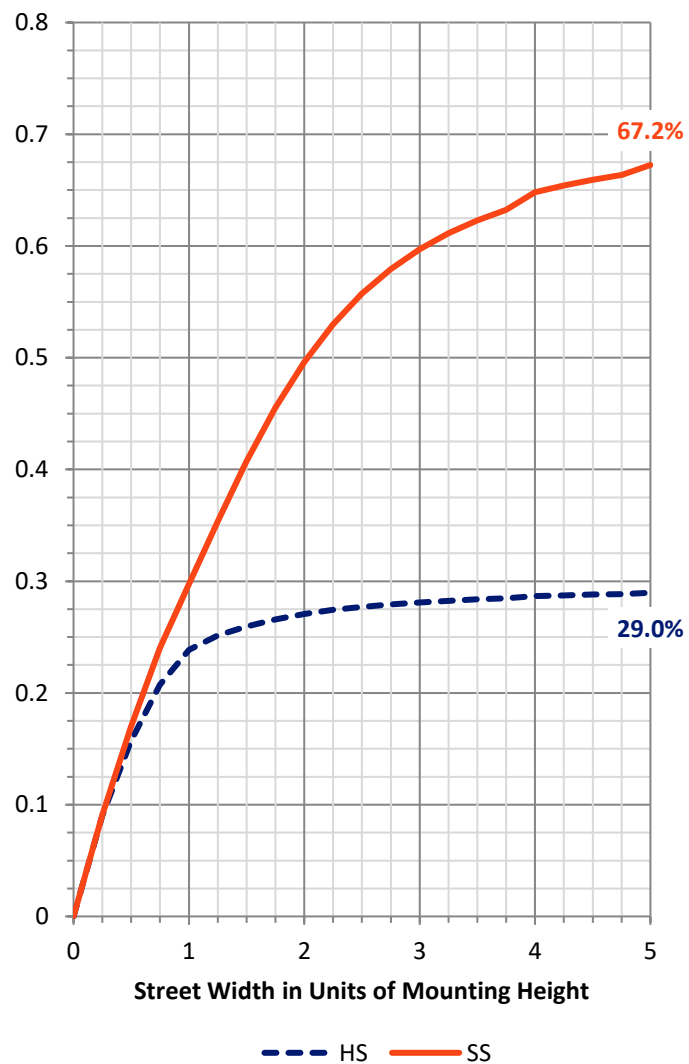
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1862.5	28.0	1890.5
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	4355.1	109.4	4464.5
	% Fixture	68.5	1.7	70.3
Total	Lumens	6217.6	137.5	6355.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.7	1.3
10°-20°	235.8	3.7
20°-30°	418.9	6.6
30°-40°	700.5	11.0
40°-50°	639.7	10.1
50°-60°	949.6	14.9
60°-70°	1557.8	24.5
70°-80°	1337.0	21.0
80°-90°	296.6	4.7
90°-100°	100.1	1.6
100°-110°	24.7	0.4
110°-120°	7.9	0.1
120°-130°	4.4	0.1
130°-140°	0.4	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6217.6	97.8
0°-180°	6355.0	100.0

Coefficient of Utilization



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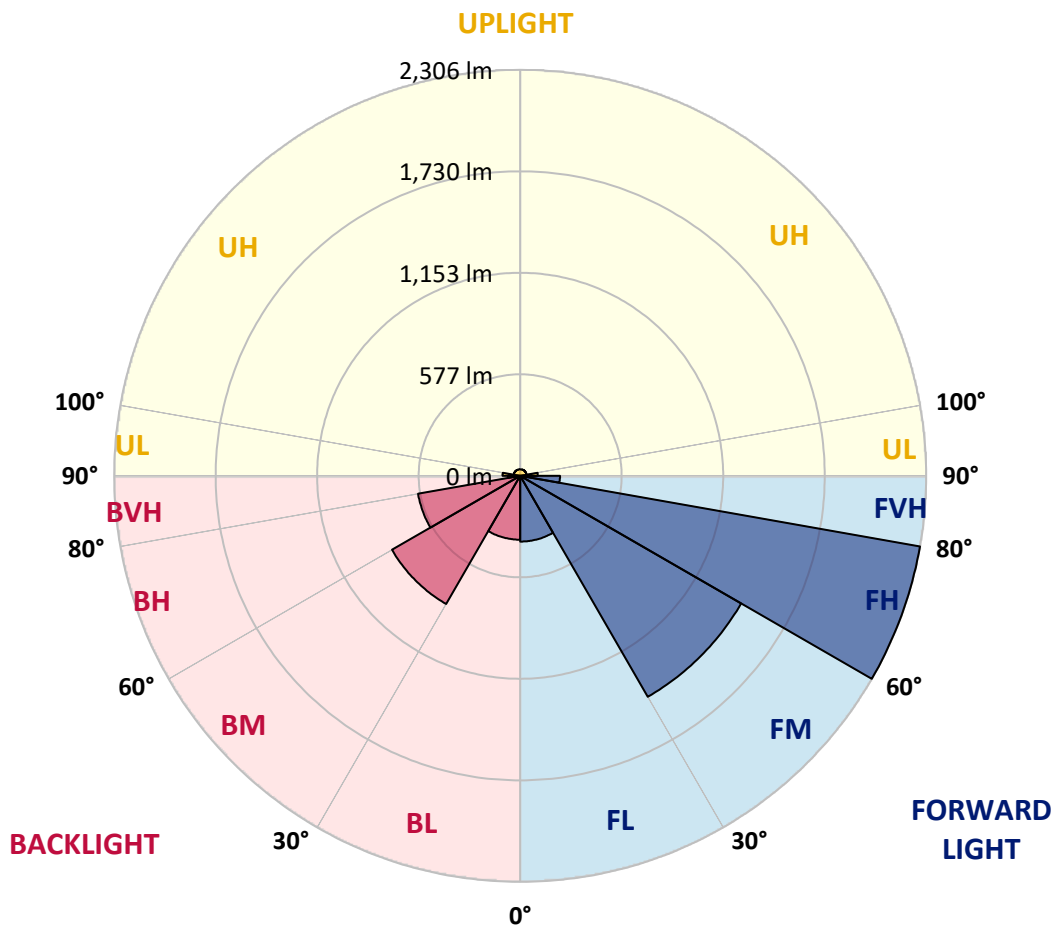
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	373.5	5.9			
FM	(30°-60°)	1449.4	22.8			
FH	(60°-80°)	2306.1	36.3			G2/5000
FVH	(80°-90°)	226.1	3.6			G3/500
BL	(0°-30°)	362.8	5.7	B1/500		
BM	(30°-60°)	840.5	13.2	B1/1000		
BH	(60°-80°)	588.7	9.3	B2/1000		G2/1000
BVH	(80°-90°)	70.4	1.1			G1/100
UL	(90°-100°)	100.1	1.6		U3/500	
UH	(100°-180°)	37.4	0.6		U2/50	

BUG Rating: B2-U3-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	884.2	884.2	884.2	884.2	884.2	884.2	884.2	884.2	884.2	884.2	884.2
2.5°	877.6	877.6	877.6	880.9	884.2	880.9	877.6	874.3	871.0	874.3	874.3
5°	874.3	874.3	877.6	877.6	880.9	884.2	880.9	877.6	874.3	874.3	874.3
7.5°	857.9	861.2	861.2	864.5	867.7	874.3	874.3	867.7	867.7	867.7	867.7
10°	841.4	841.4	844.7	848.0	851.3	857.9	857.9	851.3	854.6	857.9	857.9
12.5°	831.6	831.6	834.9	841.4	844.7	848.0	851.3	851.3	854.6	851.3	854.6
15°	825.0	825.0	825.0	834.9	844.7	848.0	854.6	857.9	861.2	861.2	861.2
17.5°	828.3	828.3	828.3	841.4	848.0	857.9	864.5	867.7	867.7	871.0	871.0
20°	834.9	834.9	838.2	848.0	861.2	871.0	877.6	880.9	880.9	887.5	887.5
22.5°	848.0	854.6	851.3	861.2	871.0	884.2	894.0	900.6	900.6	907.2	907.2
25°	877.6	874.3	877.6	887.5	897.3	907.2	913.8	923.6	926.9	933.5	933.5
27.5°	910.5	910.5	910.5	920.3	926.9	936.8	943.3	949.9	956.5	966.3	969.6
30°	959.8	956.5	953.2	963.1	969.6	979.5	986.1	989.4	989.4	995.9	1002.5
32.5°	1025.5	1025.5	1025.5	1032.1	1035.4	1045.2	1048.5	1051.8	1048.5	1058.4	1061.7
35°	1107.7	1107.7	1111.0	1117.5	1127.4	1134.0	1137.3	1134.0	1137.3	1143.8	1150.4
37.5°	1189.9	1193.1	1203.0	1212.9	1219.4	1232.6	1242.4	1242.4	1245.7	1265.5	1265.5
40°	963.1	972.9	982.8	1005.8	1035.4	1074.8	1140.6	1166.8	1242.4	1281.9	1291.8
42.5°	654.1	677.1	703.4	733.0	756.0	759.3	821.7	857.9	933.5	1005.8	1025.5
45°	624.5	650.8	677.1	657.4	673.8	621.2	683.7	690.2	726.4	782.3	930.2
47.5°	917.0	953.2	989.4	940.1	949.9	834.9	857.9	831.6	749.4	841.4	1088.0
50°	1196.4	1193.1	1245.7	1222.7	1249.0	1124.1	1134.0	1081.4	953.2	1081.4	1433.1
52.5°	1466.0	1492.3	1548.1	1541.6	1561.3	1400.2	1370.6	1324.6	1124.1	1321.3	1735.5
55°	1778.2	1797.9	1850.5	1834.1	1824.2	1663.2	1610.6	1564.6	1370.6	1627.0	2057.6
57.5°	2070.7	2080.6	2143.1	2087.2	2054.3	1932.7	1860.4	1784.8	1594.1	1906.4	2281.1
60°	2350.1	2363.3	2399.4	2323.8	2271.2	2175.9	2087.2	2005.0	1827.5	2156.2	2488.2
62.5°	2613.1	2599.9	2616.4	2521.1	2484.9	2399.4	2304.1	2202.2	2047.7	2353.4	2688.7
65°	2764.3	2764.3	2784.0	2662.4	2606.5	2553.9	2448.7	2330.4	2189.1	2448.7	2813.6
67.5°	2908.9	2938.5	2928.6	2830.0	2757.7	2685.4	2567.1	2399.4	2258.1	2448.7	2820.2
70°	2856.3	2892.5	2853.0	2774.1	2701.8	2616.4	2507.9	2343.6	2185.8	2330.4	2669.0
72.5°	2629.5	2655.8	2639.4	2570.4	2481.6	2425.7	2310.7	2185.8	2001.7	2126.6	2422.4
75°	2320.6	2314.0	2343.6	2264.7	2189.1	2136.5	2024.7	1945.8	1774.9	1867.0	2149.6
77.5°	1870.2	1873.5	1936.0	1847.2	1788.1	1751.9	1650.0	1584.3	1429.8	1512.0	1728.9
80°	1255.6	1291.8	1350.9	1255.6	1245.7	1196.4	1111.0	1068.2	949.9	989.4	1104.4
82.5°	522.6	539.1	558.8	529.2	519.3	502.9	466.7	453.6	407.6	427.3	427.3
85°	292.5	289.2	299.1	299.1	292.5	279.4	266.2	243.2	223.5	220.2	203.8
87.5°	246.5	249.8	256.4	256.4	243.2	233.4	216.9	200.5	184.1	174.2	157.8
90°	230.1	233.4	236.7	226.8	213.6	203.8	190.6	177.5	164.3	157.8	141.3
92.5°	220.2	220.2	220.2	207.1	193.9	184.1	174.2	161.1	151.2	144.6	131.5
95°	184.1	180.8	177.5	170.9	157.8	147.9	141.3	128.2	121.6	115.0	108.5
97.5°	138.0	134.8	131.5	128.2	115.0	108.5	105.2	98.6	92.0	82.2	78.9
100°	98.6	95.3	95.3	92.0	85.5	78.9	75.6	69.0	62.5	55.9	52.6
102.5°	65.7	62.5	62.5	59.2	55.9	52.6	46.0	42.7	36.2	32.9	29.6
105°	36.2	36.2	36.2	32.9	32.9	29.6	26.3	23.0	19.7	19.7	16.4
107.5°	26.3	26.3	26.3	26.3	23.0	23.0	19.7	16.4	16.4	13.1	13.1
110°	19.7	19.7	19.7	19.7	19.7	16.4	16.4	13.1	13.1	9.9	9.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.4	16.4	16.4	16.4	16.4	16.4	13.1	13.1	9.9	9.9	9.9
115°	16.4	16.4	16.4	16.4	13.1	13.1	9.9	9.9	9.9	9.9	6.6
117.5°	13.1	13.1	13.1	13.1	13.1	9.9	9.9	9.9	9.9	6.6	9.9
120°	13.1	13.1	13.1	13.1	9.9	9.9	9.9	6.6	6.6	6.6	6.6
122.5°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	6.6	6.6	6.6	6.6
125°	9.9	9.9	9.9	9.9	9.9	6.6	6.6	6.6	6.6	6.6	6.6
127.5°	9.9	9.9	6.6	9.9	6.6	6.6	6.6	6.6	6.6	3.3	6.6
130°	9.9	9.9	6.6	6.6	6.6	6.6	6.6	6.6	3.3	3.3	3.3
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	884.2	884.2	884.2	884.2	884.2	884.2	884.2	884.2	884.2	884.2
2.5°	877.6	877.6	880.9	877.6	877.6	871.0	867.7	864.5	864.5	864.5
5°	874.3	874.3	871.0	864.5	861.2	854.6	848.0	844.7	841.4	844.7
7.5°	867.7	861.2	854.6	841.4	831.6	828.3	815.2	811.9	811.9	811.9
10°	854.6	848.0	831.6	815.2	808.6	798.7	788.9	779.0	782.3	785.6
12.5°	851.3	834.9	821.7	805.3	795.4	779.0	775.7	765.8	762.6	762.6
15°	854.6	841.4	825.0	811.9	798.7	792.1	779.0	775.7	765.8	772.4
17.5°	867.7	848.0	834.9	821.7	808.6	802.0	792.1	785.6	788.9	788.9
20°	880.9	861.2	848.0	838.2	825.0	815.2	811.9	805.3	808.6	802.0
22.5°	900.6	880.9	871.0	857.9	848.0	841.4	834.9	838.2	831.6	834.9
25°	926.9	910.5	897.3	887.5	877.6	871.0	871.0	871.0	867.7	871.0
27.5°	963.1	946.6	936.8	930.2	920.3	913.8	907.2	910.5	913.8	910.5
30°	995.9	976.2	972.9	966.3	959.8	956.5	956.5	956.5	956.5	963.1
32.5°	1048.5	1028.8	1022.2	1022.2	1015.7	1012.4	1009.1	1015.7	1018.9	1015.7
35°	1130.7	1104.4	1097.8	1094.5	1091.3	1091.3	1094.5	1094.5	1094.5	1094.5
37.5°	1232.6	1196.4	1189.9	1186.6	1186.6	1186.6	1183.3	1186.6	1196.4	1199.7
40°	1278.6	1255.6	1265.5	1281.9	1291.8	1291.8	1288.5	1295.0	1304.9	1304.9
42.5°	1035.4	986.1	1022.2	1088.0	1130.7	1183.3	1193.1	1226.0	1252.3	1252.3
45°	841.4	637.7	650.8	693.5	713.3	759.3	785.6	815.2	831.6	808.6
47.5°	946.6	410.9	338.6	351.7	302.4	364.8	407.6	453.6	463.5	473.3
50°	1485.7	424.0	286.0	207.1	138.0	184.1	193.9	220.2	213.6	216.9
52.5°	1804.5	486.5	286.0	184.1	115.0	121.6	111.8	124.9	131.5	144.6
55°	2024.7	585.1	371.4	233.4	134.8	82.2	55.9	42.7	39.4	39.4
57.5°	2129.9	716.5	483.2	332.0	210.4	115.0	49.3	36.2	32.9	29.6
60°	2228.5	857.9	611.4	453.6	332.0	203.8	92.0	36.2	29.6	29.6
62.5°	2317.3	999.2	739.6	588.4	466.7	318.8	170.9	62.5	32.9	32.9
65°	2389.6	1028.8	749.4	637.7	502.9	374.7	223.5	75.6	36.2	36.2
67.5°	2409.3	979.5	723.1	585.1	470.0	318.8	174.2	62.5	42.7	39.4
70°	2277.8	930.2	726.4	555.5	424.0	282.7	115.0	72.3	55.9	52.6
72.5°	2060.9	861.2	690.2	539.1	407.6	286.0	134.8	118.3	105.2	98.6
75°	1814.4	779.0	637.7	516.0	394.4	276.1	157.8	147.9	134.8	131.5
77.5°	1456.1	647.5	535.8	437.2	332.0	220.2	131.5	124.9	108.5	108.5
80°	956.5	483.2	404.3	335.3	253.1	154.5	98.6	88.7	78.9	75.6
82.5°	391.1	282.7	243.2	210.4	164.3	98.6	65.7	55.9	46.0	42.7
85°	190.6	141.3	121.6	98.6	82.2	55.9	42.7	36.2	26.3	26.3
87.5°	154.5	111.8	92.0	75.6	55.9	39.4	29.6	23.0	16.4	13.1
90°	141.3	98.6	78.9	62.5	46.0	32.9	19.7	16.4	9.9	6.6
92.5°	128.2	85.5	69.0	49.3	36.2	26.3	13.1	9.9	6.6	6.6
95°	105.2	65.7	52.6	39.4	29.6	19.7	13.1	6.6	3.3	3.3
97.5°	75.6	49.3	39.4	29.6	23.0	13.1	9.9	6.6	3.3	3.3
100°	52.6	32.9	29.6	23.0	16.4	9.9	6.6	3.3	3.3	3.3
102.5°	26.3	19.7	19.7	16.4	13.1	9.9	3.3	3.3	0.0	0.0
105°	16.4	13.1	13.1	9.9	6.6	6.6	3.3	3.3	0.0	0.0
107.5°	9.9	9.9	9.9	6.6	6.6	3.3	3.3	0.0	0.0	0.0
110°	9.9	6.6	6.6	6.6	3.3	3.3	3.3	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.6	6.6	6.6	3.3	3.3	3.3	3.3	0.0	0.0	0.0
115°	6.6	6.6	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
117.5°	6.6	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
120°	6.6	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
122.5°	6.6	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
125°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
127.5°	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
130°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	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
165°	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)