

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: P691904

Luminaire Tested: **CRTK2-C01H-D-U-T5R-7030-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691904
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-29)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T5R-7030-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6419 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - G2

Input Watts (W): 70.2
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



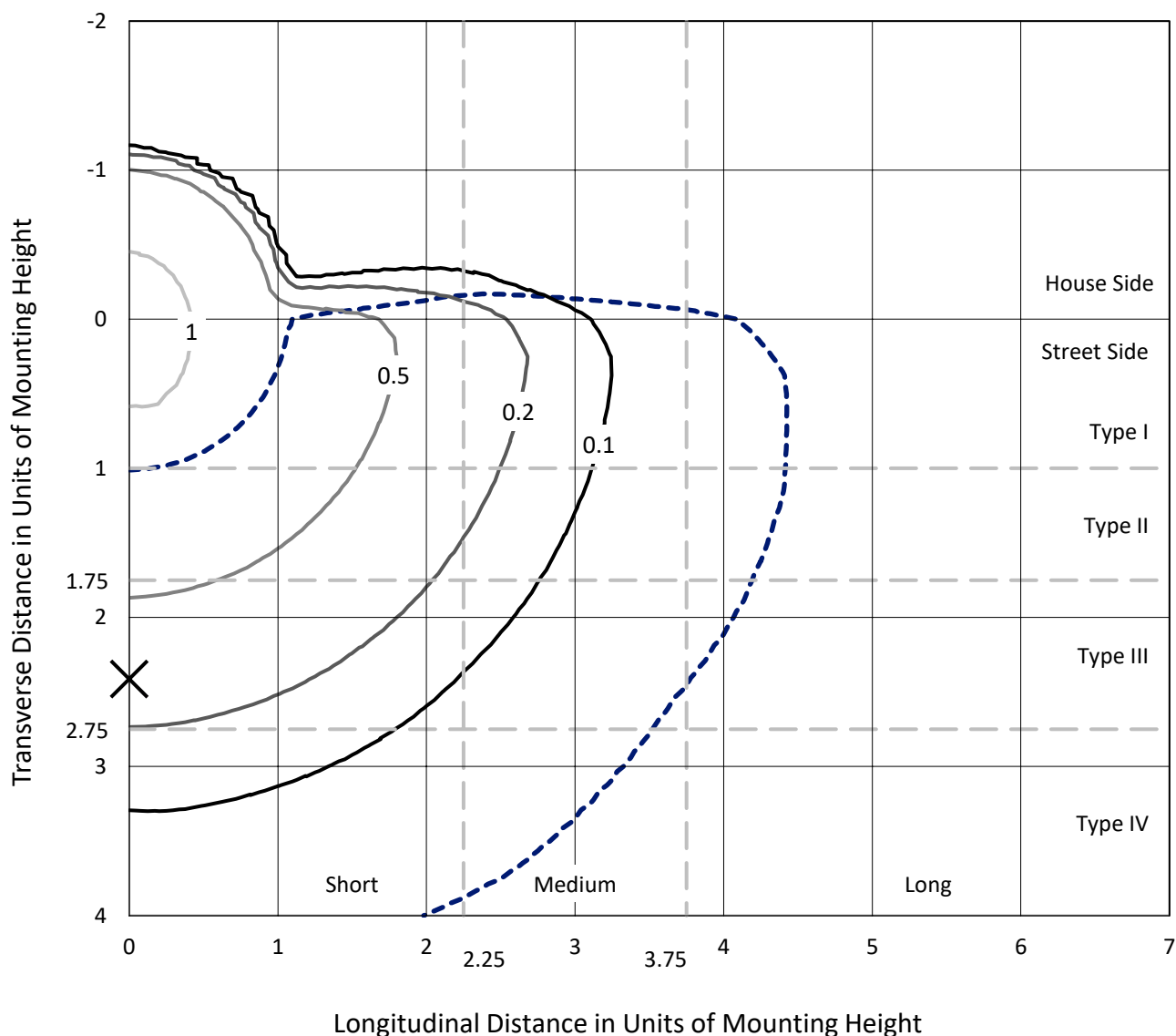
REPORT NUMBER: P691904

CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7030-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



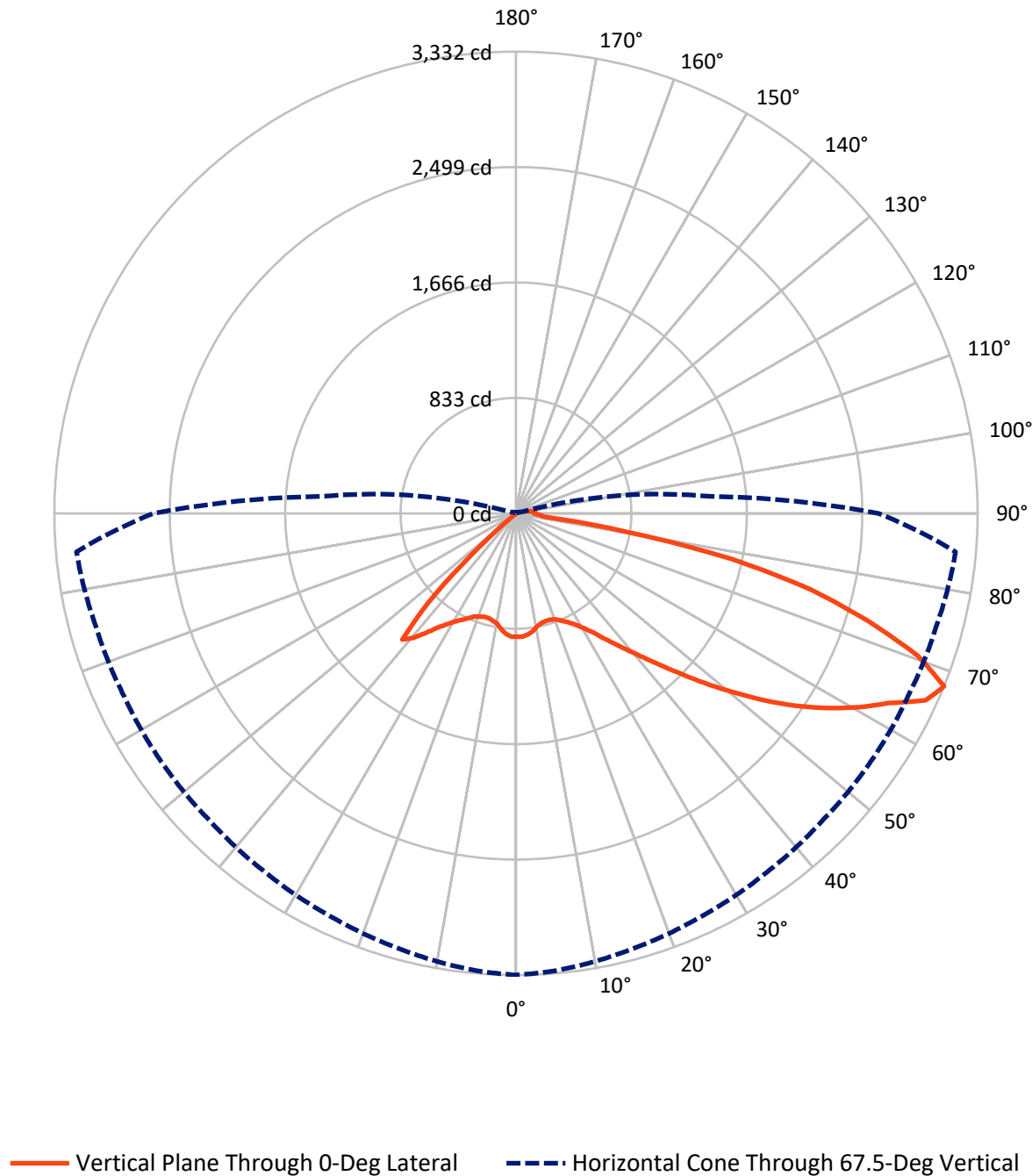
Based on 25 foot mounting height. Maximum calculated value = 1.4 fc

Type IV - Short - N/A

REPORT NUMBER: P691904

CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7030-DS-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691904

CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7030-DS-HSS-CRTK2

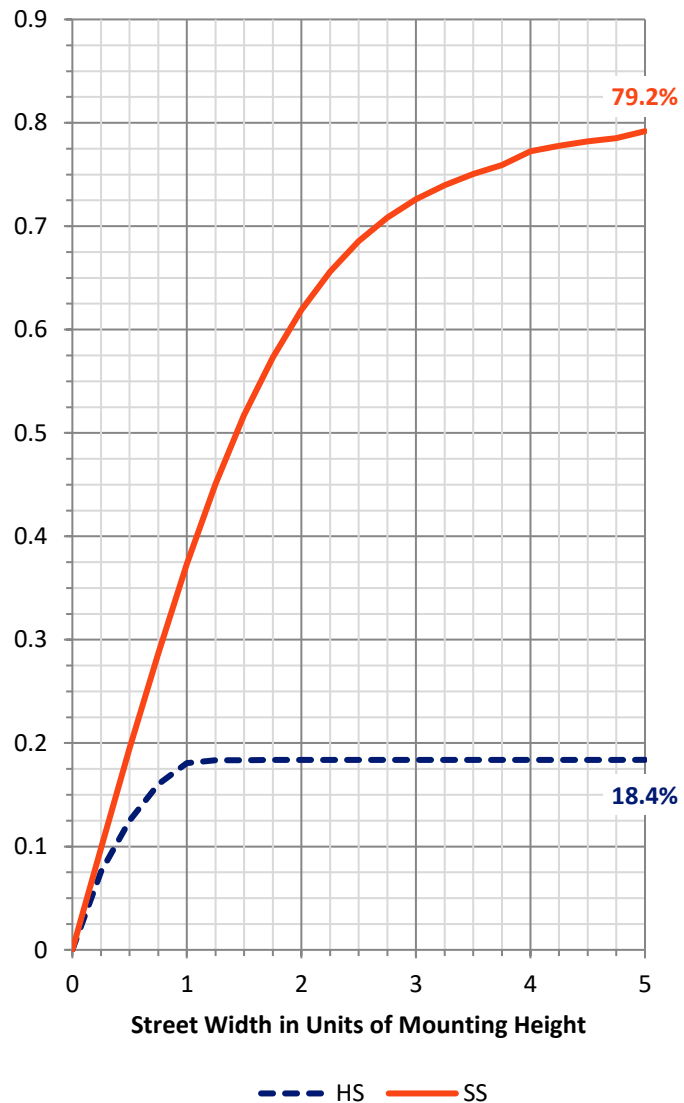
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1187.2	4.8	1192.0
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	5137.8	89.2	5227.0
	% Fixture	80.0	1.4	81.4
Total	Lumens	6325.0	93.9	6419.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.1	1.3
10°-20°	221.7	3.5
20°-30°	390.6	6.1
30°-40°	667.7	10.4
40°-50°	917.5	14.3
50°-60°	1134.0	17.7
60°-70°	1584.8	24.7
70°-80°	1157.6	18.0
80°-90°	170.0	2.6
90°-100°	74.9	1.2
100°-110°	17.1	0.3
110°-120°	1.0	0.0
120°-130°	0.3	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.2	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6325.0	98.5
0°-180°	6419.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691904

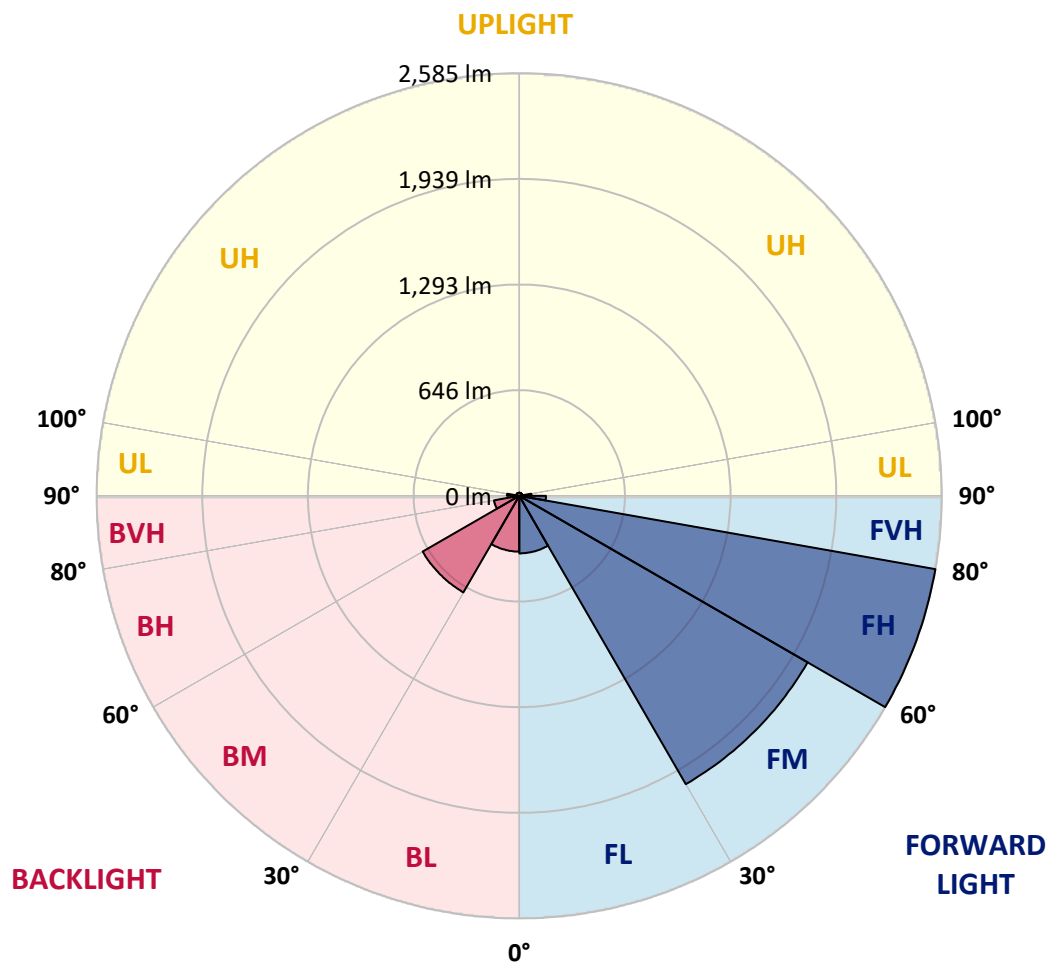
CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7030-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	352.0	5.5			
FM	(30°-60°)	2037.1	31.7			
FH	(60°-80°)	2585.4	40.3			G2/5000
FVH	(80°-90°)	163.4	2.5			G2/225
BL	(0°-30°)	341.3	5.3	B1/500		
BM	(30°-60°)	682.2	10.6	B1/1000		
BH	(60°-80°)	157.1	2.4	B1/500		G1/500
BVH	(80°-90°)	6.6	0.1			G0/10
UL	(90°-100°)	74.9	1.2		U3/500	
UH	(100°-180°)	19.0	0.3		U2/50	

BUG Rating: B1-U3-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	891.1	891.1	891.1	891.1	894.3	891.1	888.0	881.7	881.7	881.7	881.7
5°	878.6	878.6	881.7	881.7	878.6	875.5	869.2	869.2	866.0	866.0	866.0
7.5°	859.8	859.8	859.8	862.9	856.6	847.2	844.1	840.9	837.8	834.7	831.5
10°	831.5	831.5	831.5	828.4	822.1	812.7	806.4	800.1	800.1	797.0	793.9
12.5°	812.7	812.7	812.7	809.6	800.1	793.9	784.5	778.2	775.0	775.0	771.9
15°	806.4	806.4	806.4	803.3	793.9	787.6	778.2	771.9	765.6	762.5	759.4
17.5°	806.4	806.4	806.4	800.1	797.0	787.6	778.2	771.9	768.8	765.6	762.5
20°	815.8	819.0	815.8	812.7	803.3	797.0	787.6	778.2	775.0	775.0	771.9
22.5°	840.9	837.8	837.8	834.7	825.2	815.8	809.6	803.3	797.0	797.0	793.9
25°	869.2	872.3	872.3	866.0	859.8	850.4	840.9	831.5	828.4	825.2	822.1
27.5°	910.0	910.0	913.1	906.8	897.4	891.1	881.7	875.5	869.2	862.9	859.8
30°	960.2	963.3	963.3	957.0	947.6	935.1	928.8	919.4	910.0	910.0	900.6
32.5°	1026.1	1032.3	1029.2	1022.9	1013.5	1001.0	994.7	985.3	979.0	969.6	963.3
35°	1117.1	1120.2	1117.1	1110.8	1095.1	1082.5	1076.3	1070.0	1063.7	1051.2	1038.6
37.5°	1217.5	1220.6	1223.8	1217.5	1198.6	1179.8	1173.5	1164.1	1161.0	1145.3	1139.0
40°	1333.6	1339.9	1336.7	1327.3	1311.6	1292.8	1289.6	1280.2	1270.8	1261.4	1245.7
42.5°	1474.8	1474.8	1471.6	1465.4	1452.8	1430.8	1424.6	1415.2	1408.9	1390.1	1365.0
45°	1637.9	1641.1	1631.7	1622.3	1619.1	1600.3	1584.6	1575.2	1556.4	1534.4	1506.2
47.5°	1829.4	1826.2	1813.7	1804.2	1801.1	1785.4	1772.9	1754.0	1728.9	1703.8	1650.5
50°	2027.0	2027.0	2005.1	1995.7	2001.9	1980.0	1964.3	1942.3	1917.2	1892.1	1813.7
52.5°	2240.4	2231.0	2209.0	2212.2	2202.8	2180.8	2162.0	2146.3	2121.2	2099.2	1973.7
55°	2453.8	2441.2	2406.7	2409.8	2394.2	2369.1	2356.5	2337.7	2331.4	2306.3	2127.4
57.5°	2651.5	2635.8	2598.1	2595.0	2582.4	2554.2	2547.9	2525.9	2510.3	2497.7	2243.5
60°	2842.9	2827.2	2792.7	2780.1	2755.0	2726.8	2729.9	2717.4	2707.9	2695.4	2372.2
62.5°	3015.4	2996.6	2965.2	2940.1	2905.6	2880.5	2883.7	2877.4	2883.7	2880.5	2482.0
65°	3250.8	3232.0	3184.9	3141.0	3090.8	3053.1	3050.0	3059.4	3125.3	3131.5	2651.5
67.5°	3332.4	3313.5	3253.9	3200.6	3159.8	3131.5	3125.3	3122.1	3141.0	3184.9	2616.9
70°	3075.1	3062.5	3006.0	2968.4	2927.6	2908.8	2889.9	2899.4	2918.2	2915.0	2400.4
72.5°	2654.6	2723.6	2651.5	2616.9	2607.5	2557.3	2569.9	2560.5	2573.0	2569.9	2133.7
75°	2196.5	2177.7	2162.0	2221.6	2177.7	2140.0	2162.0	2183.9	2205.9	2180.8	1870.1
77.5°	1597.2	1609.7	1603.4	1625.4	1666.2	1647.4	1634.8	1688.1	1697.6	1612.8	1452.8
80°	803.3	853.5	869.2	906.8	928.8	888.0	853.5	928.8	916.2	819.0	737.4
82.5°	210.2	213.4	244.8	288.7	295.0	288.7	295.0	288.7	251.0	160.0	134.9
85°	175.7	175.7	216.5	263.6	273.0	260.4	260.4	244.8	194.5	100.4	81.6
87.5°	144.3	150.6	194.5	238.5	244.8	232.2	229.1	210.2	169.4	87.9	69.0
90°	128.7	134.9	175.7	213.4	216.5	204.0	200.8	188.3	153.8	87.9	69.0
92.5°	141.2	144.3	172.6	194.5	194.5	185.1	182.0	172.6	150.6	109.8	84.7
95°	125.5	128.7	141.2	150.6	147.5	138.1	144.3	134.9	125.5	103.5	78.4
97.5°	103.5	106.7	109.8	109.8	106.7	100.4	106.7	103.5	97.3	84.7	62.8
100°	78.4	78.4	78.4	81.6	78.4	75.3	78.4	72.2	69.0	59.6	43.9
102.5°	53.3	53.3	53.3	53.3	53.3	53.3	53.3	47.1	43.9	37.7	25.1
105°	31.4	31.4	28.2	31.4	31.4	28.2	28.2	25.1	18.8	15.7	9.4
107.5°	12.6	12.6	9.4	9.4	9.4	9.4	6.3	3.1	3.1	3.1	3.1
110°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	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	3.1
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	3.1	3.1	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1
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°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	881.7	881.7	881.7	881.7	881.7	881.7	884.9	888.0	891.1	891.1
5°	866.0	866.0	866.0	862.9	866.0	869.2	872.3	872.3	875.5	875.5
7.5°	834.7	831.5	831.5	831.5	834.7	840.9	840.9	844.1	847.2	847.2
10°	793.9	793.9	793.9	793.9	797.0	803.3	803.3	809.6	809.6	809.6
12.5°	771.9	771.9	768.8	765.6	771.9	771.9	781.3	784.5	787.6	793.9
15°	759.4	756.2	759.4	759.4	762.5	765.6	768.8	775.0	778.2	781.3
17.5°	759.4	759.4	759.4	762.5	765.6	765.6	768.8	775.0	778.2	781.3
20°	771.9	771.9	768.8	768.8	771.9	771.9	778.2	784.5	787.6	790.7
22.5°	790.7	787.6	787.6	784.5	787.6	790.7	797.0	803.3	803.3	803.3
25°	815.8	812.7	812.7	812.7	819.0	819.0	825.2	831.5	831.5	831.5
27.5°	856.6	850.4	847.2	847.2	847.2	850.4	856.6	859.8	862.9	862.9
30°	891.1	884.9	881.7	878.6	881.7	884.9	891.1	897.4	897.4	897.4
32.5°	953.9	938.2	928.8	931.9	931.9	935.1	941.3	941.3	944.5	944.5
35°	1026.1	1010.4	994.7	997.8	997.8	1001.0	1001.0	1001.0	1007.2	1001.0
37.5°	1117.1	1092.0	1079.4	1082.5	1076.3	1076.3	1076.3	1076.3	1073.1	1079.4
40°	1214.3	1176.7	1164.1	1167.3	1164.1	1161.0	1161.0	1164.1	1161.0	1164.1
42.5°	1198.6	1041.8	1079.4	1123.3	1154.7	1176.7	1201.8	1214.3	1214.3	1226.9
45°	1048.0	618.2	662.1	721.7	771.9	825.2	850.4	869.2	881.7	906.8
47.5°	910.0	222.8	254.2	295.0	348.3	348.3	392.2	411.1	417.3	439.3
50°	884.9	34.5	28.2	31.4	34.5	37.7	40.8	50.2	50.2	62.8
52.5°	963.3	31.4	18.8	12.6	12.6	9.4	6.3	6.3	6.3	9.4
55°	1051.2	34.5	18.8	12.6	9.4	9.4	3.1	3.1	3.1	3.1
57.5°	1126.5	31.4	15.7	12.6	9.4	6.3	0.0	0.0	0.0	0.0
60°	1208.1	34.5	18.8	12.6	9.4	6.3	0.0	0.0	0.0	0.0
62.5°	1280.2	34.5	18.8	12.6	9.4	3.1	0.0	0.0	0.0	0.0
65°	1383.8	37.7	18.8	12.6	6.3	0.0	0.0	0.0	0.0	0.0
67.5°	1402.6	37.7	18.8	9.4	3.1	0.0	0.0	0.0	0.0	0.0
70°	1252.0	31.4	12.6	6.3	3.1	0.0	0.0	0.0	0.0	0.0
72.5°	1076.3	18.8	9.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	866.0	15.7	6.3	3.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	580.5	12.6	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
80°	260.4	9.4	3.1	3.1	0.0	0.0	3.1	3.1	0.0	0.0
82.5°	56.5	6.3	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	37.7	6.3	3.1	3.1	0.0	0.0	3.1	3.1	0.0	0.0
87.5°	34.5	3.1	3.1	3.1	0.0	0.0	0.0	3.1	0.0	0.0
90°	34.5	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	40.8	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	37.7	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	28.2	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	18.8	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	9.4	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.1	3.1	3.1	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°
112.5°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	3.1	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°	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	3.1	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°	3.1	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°	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.1	3.1	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	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.1	3.1	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)