

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: P690986

Luminaire Tested: **CRTK2-C01-D-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690986
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-C01-D-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 5413 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 61
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



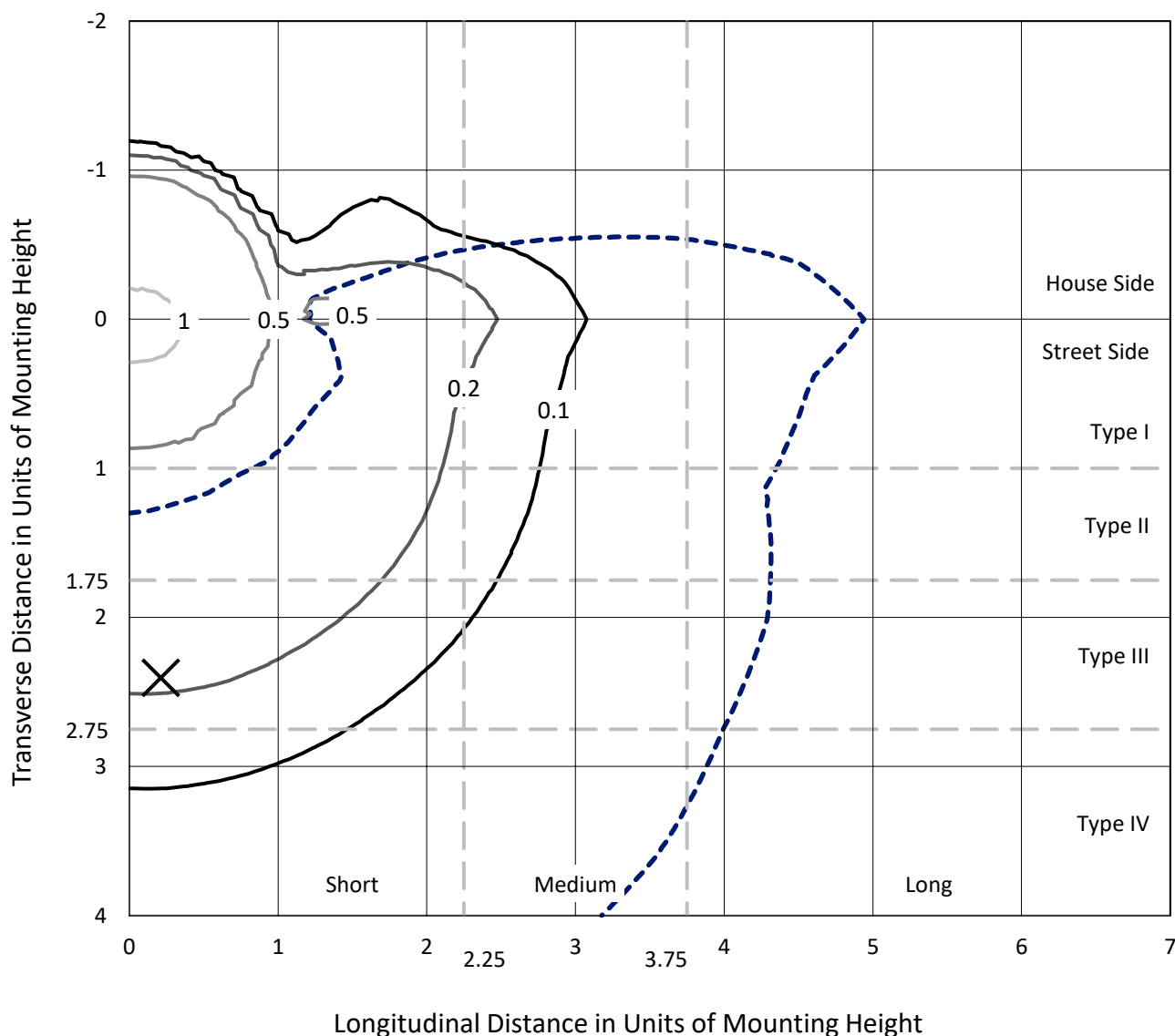
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

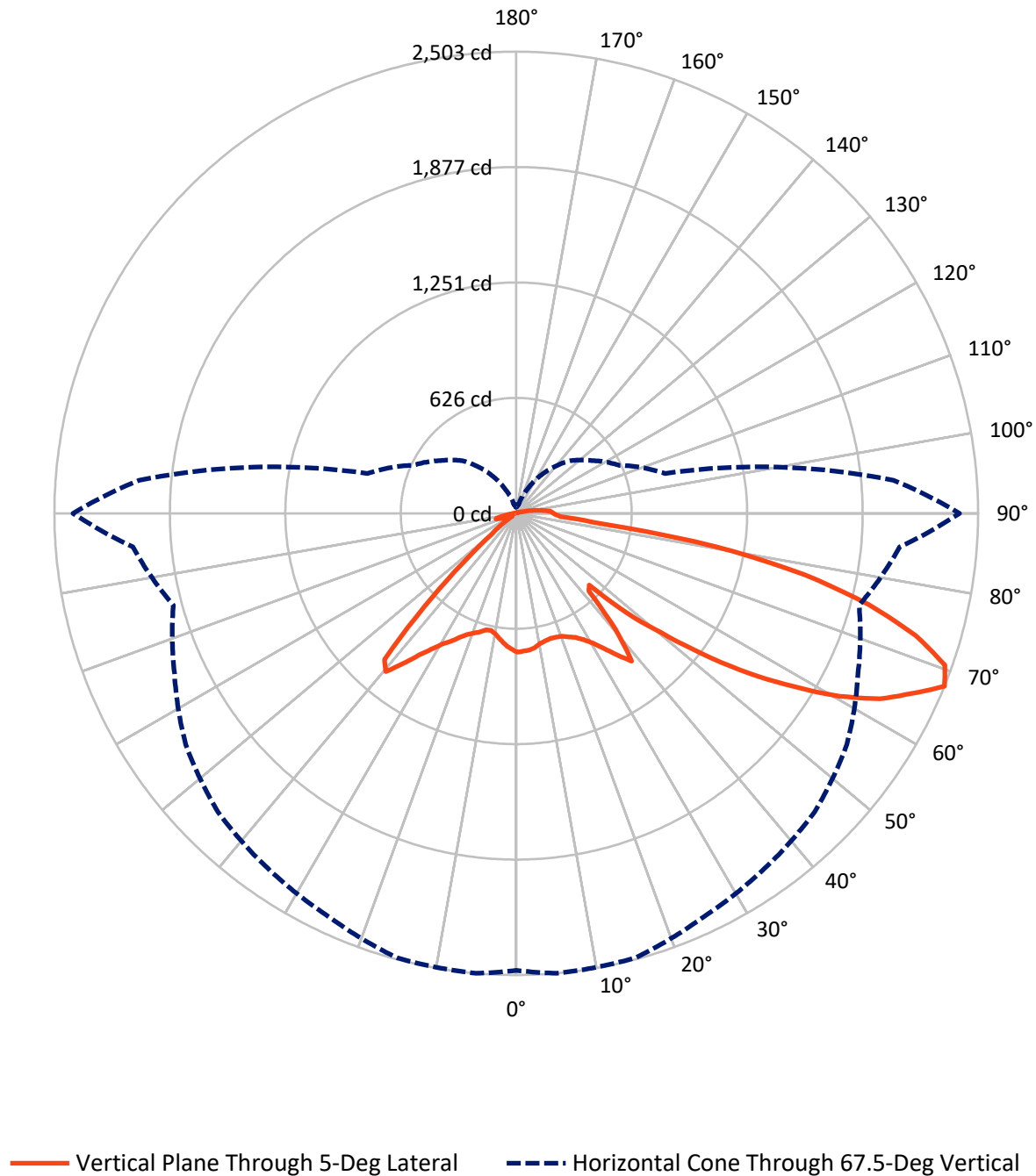
--- 1/2 Max cd



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Luminous Intensity Polar Plot



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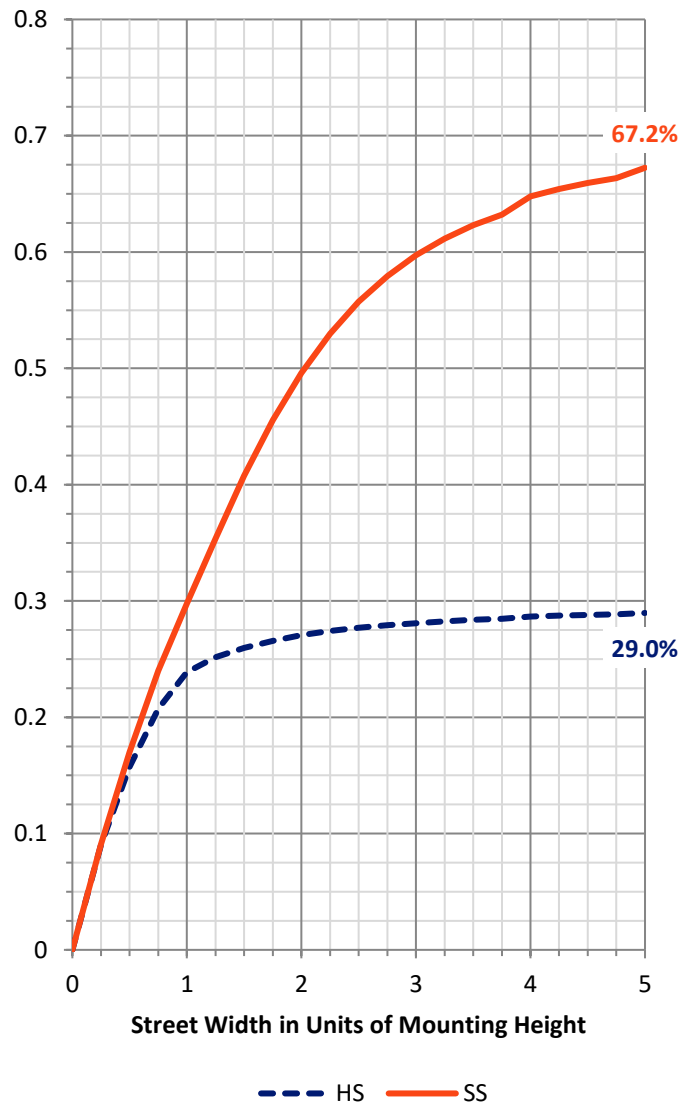
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1586.4	23.9	1610.3
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	3709.5	93.2	3802.8
	% Fixture	68.5	1.7	70.3
Total	Lumens	5296.0	117.1	5413.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.6	1.3
10°-20°	200.8	3.7
20°-30°	356.8	6.6
30°-40°	596.7	11.0
40°-50°	544.9	10.1
50°-60°	808.8	14.9
60°-70°	1326.9	24.5
70°-80°	1138.8	21.0
80°-90°	252.6	4.7
90°-100°	85.3	1.6
100°-110°	21.0	0.4
110°-120°	6.7	0.1
120°-130°	3.8	0.1
130°-140°	0.3	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°	5296.0	97.8
0°-180°	5413.0	100.0

Coefficient of Utilization



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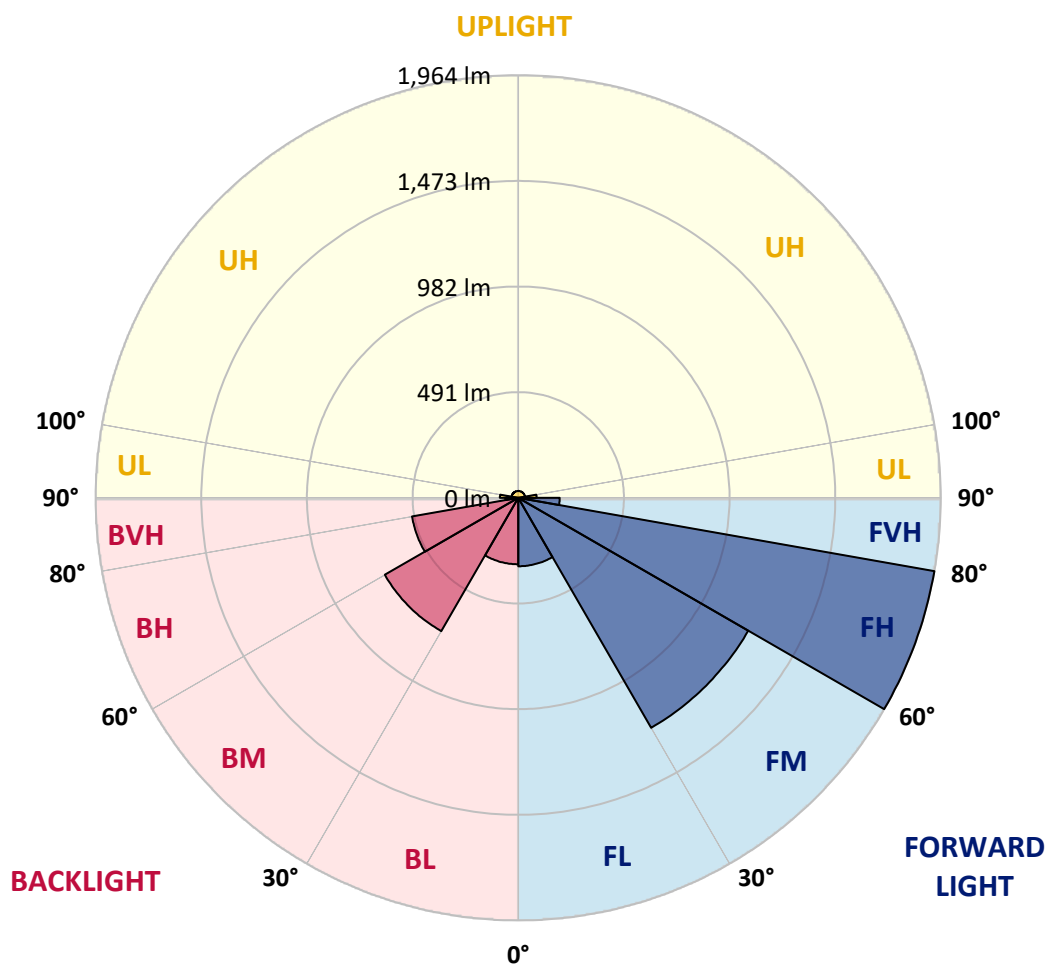
CATALOG NUMBER: CRTK2-C01-D-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	318.1	5.9			
FM	(30°-60°)	1234.5	22.8			
FH	(60°-80°)	1964.3	36.3			G2/5000
FVH	(80°-90°)	192.6	3.6			G2/225
BL	(0°-30°)	309.0	5.7	B1/500		
BM	(30°-60°)	715.9	13.2	B1/1000		
BH	(60°-80°)	501.4	9.3	B2/1000		G2/1000
BVH	(80°-90°)	60.0	1.1			G1/100
UL	(90°-100°)	85.3	1.6		U3/500	
UH	(100°-180°)	31.8	0.6		U2/50	

BUG Rating: B2-U3-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1
2.5°	747.5	747.5	747.5	750.3	753.1	750.3	747.5	744.7	741.9	744.7	744.7
5°	744.7	744.7	747.5	747.5	750.3	753.1	750.3	747.5	744.7	744.7	744.7
7.5°	730.7	733.5	733.5	736.3	739.1	744.7	744.7	739.1	739.1	739.1	739.1
10°	716.7	716.7	719.5	722.3	725.1	730.7	730.7	725.1	727.9	730.7	730.7
12.5°	708.3	708.3	711.1	716.7	719.5	722.3	725.1	725.1	727.9	725.1	727.9
15°	702.7	702.7	702.7	711.1	719.5	722.3	727.9	730.7	733.5	733.5	733.5
17.5°	705.5	705.5	705.5	716.7	722.3	730.7	736.3	739.1	739.1	741.9	741.9
20°	711.1	711.1	713.9	722.3	733.5	741.9	747.5	750.3	750.3	755.9	755.9
22.5°	722.3	727.9	725.1	733.5	741.9	753.1	761.5	767.1	767.1	772.7	772.7
25°	747.5	744.7	747.5	755.9	764.3	772.7	778.3	786.7	789.5	795.1	795.1
27.5°	775.5	775.5	775.5	783.9	789.5	797.9	803.5	809.1	814.7	823.1	825.9
30°	817.5	814.7	811.9	820.3	825.9	834.3	839.9	842.7	842.7	848.3	853.9
32.5°	873.5	873.5	873.5	879.1	881.9	890.3	893.1	895.9	893.1	901.5	904.3
35°	943.5	943.5	946.3	951.9	960.3	965.9	968.7	965.9	968.7	974.3	979.9
37.5°	1013.5	1016.3	1024.7	1033.1	1038.7	1049.9	1058.3	1058.3	1061.1	1077.9	1077.9
40°	820.3	828.7	837.1	856.7	881.9	915.5	971.5	993.9	1058.3	1091.9	1100.3
42.5°	557.1	576.7	599.1	624.3	643.9	646.7	699.9	730.7	795.1	856.7	873.5
45°	531.9	554.3	576.7	559.9	573.9	529.1	582.3	587.9	618.7	666.3	792.3
47.5°	781.1	811.9	842.7	800.7	809.1	711.1	730.7	708.3	638.3	716.7	926.7
50°	1019.1	1016.3	1061.1	1041.5	1063.9	957.5	965.9	921.1	811.9	921.1	1220.7
52.5°	1248.7	1271.1	1318.7	1313.1	1329.8	1192.7	1167.5	1128.3	957.5	1125.5	1478.2
55°	1514.6	1531.4	1576.2	1562.2	1553.8	1416.6	1371.8	1332.6	1167.5	1385.8	1752.6
57.5°	1763.8	1772.2	1825.4	1777.8	1749.8	1646.2	1584.6	1520.2	1357.8	1623.8	1943.0
60°	2001.8	2013.0	2043.8	1979.4	1934.6	1853.4	1777.8	1707.8	1556.6	1836.6	2119.4
62.5°	2225.7	2214.5	2228.5	2147.4	2116.6	2043.8	1962.6	1875.8	1744.2	2004.6	2290.1
65°	2354.5	2354.5	2371.3	2267.7	2220.1	2175.4	2085.8	1985.0	1864.6	2085.8	2396.5
67.5°	2477.7	2502.9	2494.5	2410.5	2348.9	2287.3	2186.6	2043.8	1923.4	2085.8	2402.1
70°	2432.9	2463.7	2430.1	2362.9	2301.3	2228.5	2136.2	1996.2	1861.8	1985.0	2273.3
72.5°	2239.7	2262.1	2248.1	2189.4	2113.8	2066.2	1968.2	1861.8	1705.0	1811.4	2063.4
75°	1976.6	1971.0	1996.2	1929.0	1864.6	1819.8	1724.6	1657.4	1511.8	1590.2	1831.0
77.5°	1593.0	1595.8	1649.0	1573.4	1523.0	1492.2	1405.4	1349.4	1217.9	1287.9	1472.6
80°	1069.5	1100.3	1150.7	1069.5	1061.1	1019.1	946.3	909.9	809.1	842.7	940.7
82.5°	445.1	459.1	475.9	450.7	442.3	428.4	397.6	386.4	347.2	364.0	364.0
85°	249.2	246.4	254.8	254.8	249.2	238.0	226.8	207.2	190.4	187.6	173.6
87.5°	210.0	212.8	218.4	218.4	207.2	198.8	184.8	170.8	156.8	148.4	134.4
90°	196.0	198.8	201.6	193.2	182.0	173.6	162.4	151.2	140.0	134.4	120.4
92.5°	187.6	187.6	187.6	176.4	165.2	156.8	148.4	137.2	128.8	123.2	112.0
95°	156.8	154.0	151.2	145.6	134.4	126.0	120.4	109.2	103.6	98.0	92.4
97.5°	117.6	114.8	112.0	109.2	98.0	92.4	89.6	84.0	78.4	70.0	67.2
100°	84.0	81.2	81.2	78.4	72.8	67.2	64.4	58.8	53.2	47.6	44.8
102.5°	56.0	53.2	53.2	50.4	47.6	44.8	39.2	36.4	30.8	28.0	25.2
105°	30.8	30.8	30.8	28.0	28.0	25.2	22.4	19.6	16.8	16.8	14.0
107.5°	22.4	22.4	22.4	22.4	19.6	19.6	16.8	14.0	14.0	11.2	11.2
110°	16.8	16.8	16.8	16.8	16.8	14.0	14.0	11.2	11.2	8.4	8.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.0	14.0	14.0	14.0	14.0	14.0	11.2	11.2	8.4	8.4	8.4
115°	14.0	14.0	14.0	14.0	11.2	11.2	8.4	8.4	8.4	8.4	5.6
117.5°	11.2	11.2	11.2	11.2	11.2	8.4	8.4	8.4	8.4	5.6	8.4
120°	11.2	11.2	11.2	11.2	8.4	8.4	8.4	5.6	5.6	5.6	5.6
122.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	5.6	5.6	5.6	5.6
125°	8.4	8.4	8.4	8.4	8.4	5.6	5.6	5.6	5.6	5.6	5.6
127.5°	8.4	8.4	5.6	8.4	5.6	5.6	5.6	5.6	5.6	2.8	5.6
130°	8.4	8.4	5.6	5.6	5.6	5.6	5.6	5.6	2.8	2.8	2.8
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°	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1	753.1
2.5°	747.5	747.5	750.3	747.5	747.5	741.9	739.1	736.3	736.3	736.3
5°	744.7	744.7	741.9	736.3	733.5	727.9	722.3	719.5	716.7	719.5
7.5°	739.1	733.5	727.9	716.7	708.3	705.5	694.3	691.5	691.5	691.5
10°	727.9	722.3	708.3	694.3	688.7	680.3	671.9	663.5	666.3	669.1
12.5°	725.1	711.1	699.9	685.9	677.5	663.5	660.7	652.3	649.5	649.5
15°	727.9	716.7	702.7	691.5	680.3	674.7	663.5	660.7	652.3	657.9
17.5°	739.1	722.3	711.1	699.9	688.7	683.1	674.7	669.1	671.9	671.9
20°	750.3	733.5	722.3	713.9	702.7	694.3	691.5	685.9	688.7	683.1
22.5°	767.1	750.3	741.9	730.7	722.3	716.7	711.1	713.9	708.3	711.1
25°	789.5	775.5	764.3	755.9	747.5	741.9	741.9	741.9	739.1	741.9
27.5°	820.3	806.3	797.9	792.3	783.9	778.3	772.7	775.5	778.3	775.5
30°	848.3	831.5	828.7	823.1	817.5	814.7	814.7	814.7	814.7	820.3
32.5°	893.1	876.3	870.7	870.7	865.1	862.3	859.5	865.1	867.9	865.1
35°	963.1	940.7	935.1	932.3	929.5	929.5	932.3	932.3	932.3	932.3
37.5°	1049.9	1019.1	1013.5	1010.7	1010.7	1010.7	1007.9	1010.7	1019.1	1021.9
40°	1089.1	1069.5	1077.9	1091.9	1100.3	1100.3	1097.5	1103.1	1111.5	1111.5
42.5°	881.9	839.9	870.7	926.7	963.1	1007.9	1016.3	1044.3	1066.7	1066.7
45°	716.7	543.1	554.3	590.7	607.5	646.7	669.1	694.3	708.3	688.7
47.5°	806.3	350.0	288.4	299.6	257.6	310.8	347.2	386.4	394.8	403.2
50°	1265.5	361.2	243.6	176.4	117.6	156.8	165.2	187.6	182.0	184.8
52.5°	1537.0	414.4	243.6	156.8	98.0	103.6	95.2	106.4	112.0	123.2
55°	1724.6	498.3	316.4	198.8	114.8	70.0	47.6	36.4	33.6	33.6
57.5°	1814.2	610.3	411.6	282.8	179.2	98.0	42.0	30.8	28.0	25.2
60°	1898.2	730.7	520.7	386.4	282.8	173.6	78.4	30.8	25.2	25.2
62.5°	1973.8	851.1	629.9	501.1	397.6	271.6	145.6	53.2	28.0	28.0
65°	2035.4	876.3	638.3	543.1	428.4	319.2	190.4	64.4	30.8	30.8
67.5°	2052.2	834.3	615.9	498.3	400.4	271.6	148.4	53.2	36.4	33.6
70°	1940.2	792.3	618.7	473.1	361.2	240.8	98.0	61.6	47.6	44.8
72.5°	1755.4	733.5	587.9	459.1	347.2	243.6	114.8	100.8	89.6	84.0
75°	1545.4	663.5	543.1	439.6	336.0	235.2	134.4	126.0	114.8	112.0
77.5°	1240.3	551.5	456.3	372.4	282.8	187.6	112.0	106.4	92.4	92.4
80°	814.7	411.6	344.4	285.6	215.6	131.6	84.0	75.6	67.2	64.4
82.5°	333.2	240.8	207.2	179.2	140.0	84.0	56.0	47.6	39.2	36.4
85°	162.4	120.4	103.6	84.0	70.0	47.6	36.4	30.8	22.4	22.4
87.5°	131.6	95.2	78.4	64.4	47.6	33.6	25.2	19.6	14.0	11.2
90°	120.4	84.0	67.2	53.2	39.2	28.0	16.8	14.0	8.4	5.6
92.5°	109.2	72.8	58.8	42.0	30.8	22.4	11.2	8.4	5.6	5.6
95°	89.6	56.0	44.8	33.6	25.2	16.8	11.2	5.6	2.8	2.8
97.5°	64.4	42.0	33.6	25.2	19.6	11.2	8.4	5.6	2.8	2.8
100°	44.8	28.0	25.2	19.6	14.0	8.4	5.6	2.8	2.8	2.8
102.5°	22.4	16.8	16.8	14.0	11.2	8.4	2.8	2.8	0.0	0.0
105°	14.0	11.2	11.2	8.4	5.6	5.6	2.8	2.8	0.0	0.0
107.5°	8.4	8.4	8.4	5.6	5.6	2.8	2.8	0.0	0.0	0.0
110°	8.4	5.6	5.6	5.6	2.8	2.8	2.8	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°	5.6	5.6	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0
115°	5.6	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
117.5°	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
120°	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
122.5°	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
125°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
127.5°	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.8	2.8	2.8	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)