

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: P692018

Luminaire Tested: **CRTK2-C01HO-D-U-T5R-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P692018
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-23)
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-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8738 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B3 - U4 - G2

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

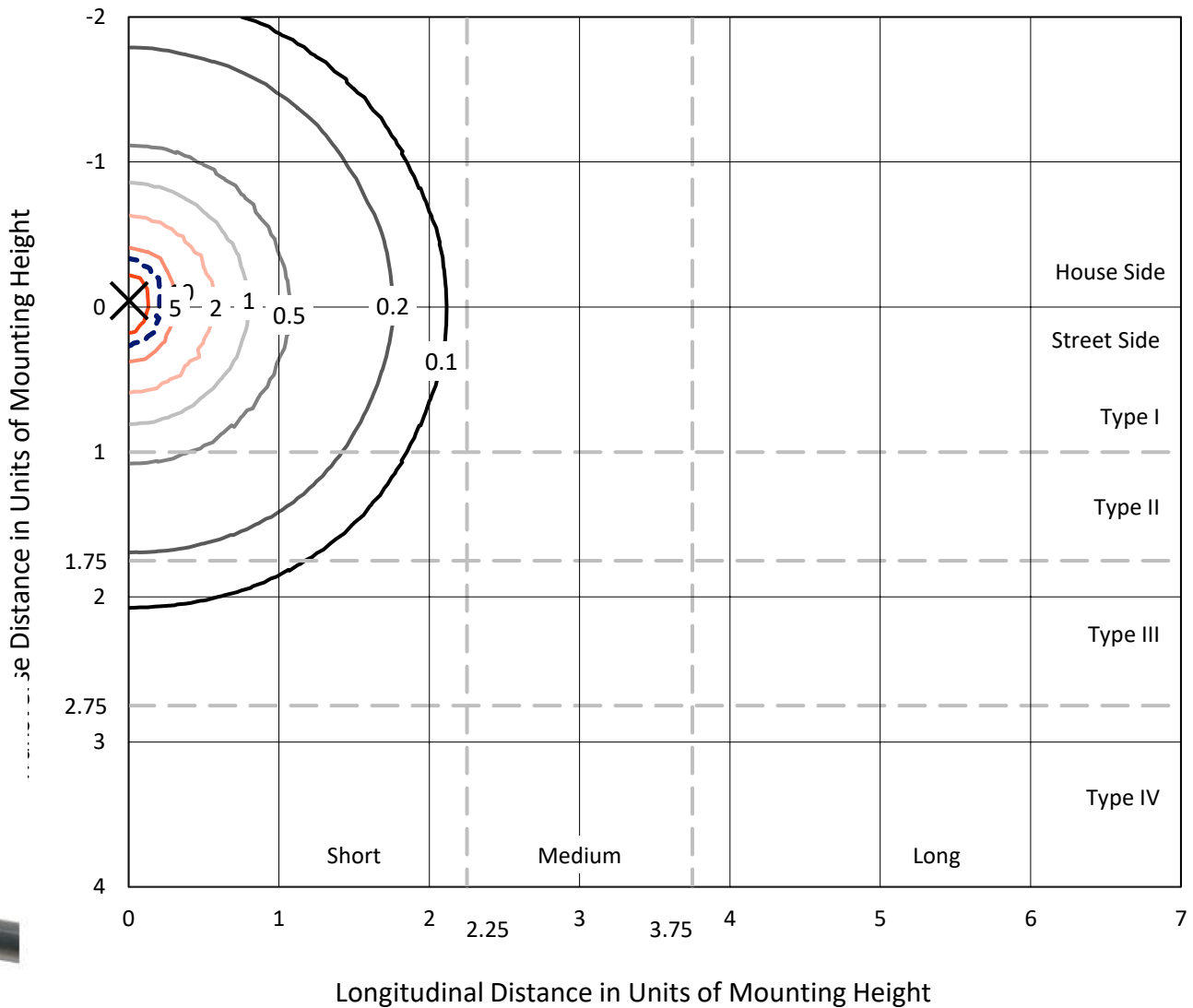


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

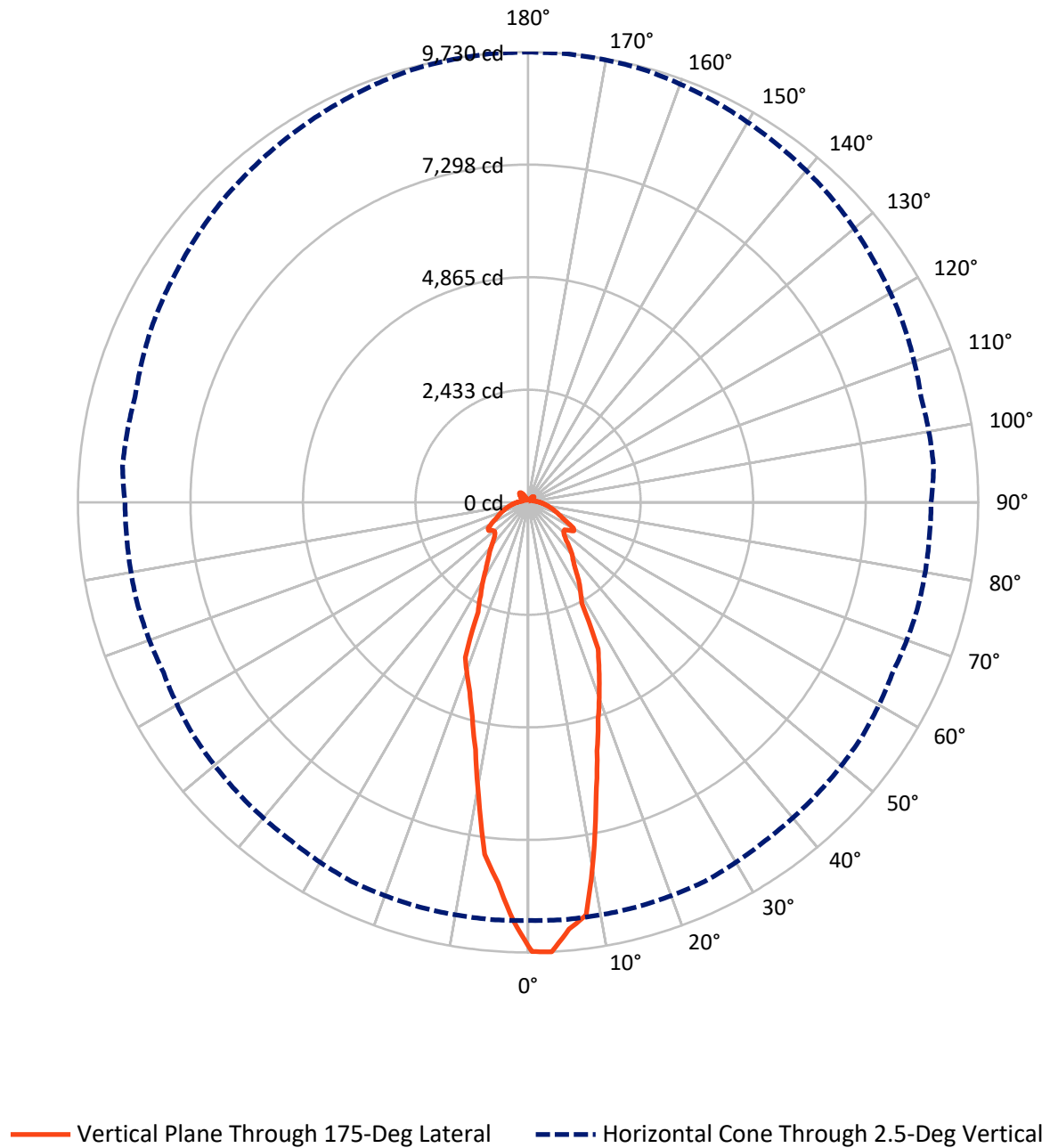


Based on 25 foot mounting height. Maximum calculated value = 15.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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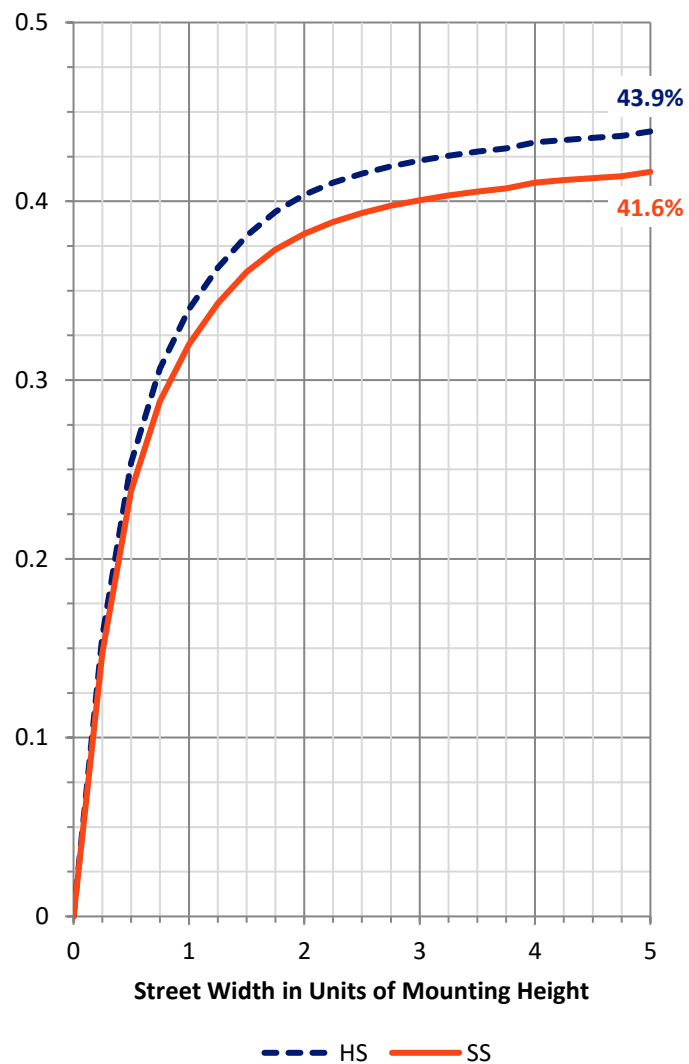
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3954.7	522.4	4477.1
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	3724.7	536.2	4260.9
	% Fixture	42.6	6.1	48.8
Total	Lumens	7679.4	1058.6	8738.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	722.9	8.3
10°-20°	1268.8	14.5
20°-30°	1258.2	14.4
30°-40°	969.9	11.1
40°-50°	831.5	9.5
50°-60°	930.0	10.6
60°-70°	796.8	9.1
70°-80°	548.3	6.3
80°-90°	352.9	4.0
90°-100°	211.5	2.4
100°-110°	125.8	1.4
110°-120°	116.5	1.3
120°-130°	166.2	1.9
130°-140°	214.8	2.5
140°-150°	159.0	1.8
150°-160°	58.1	0.7
160°-170°	6.8	0.1
170°-180°	0.0	0.0
0°-90°	7679.4	87.9
0°-180°	8738.0	100.0

Coefficient of Utilization



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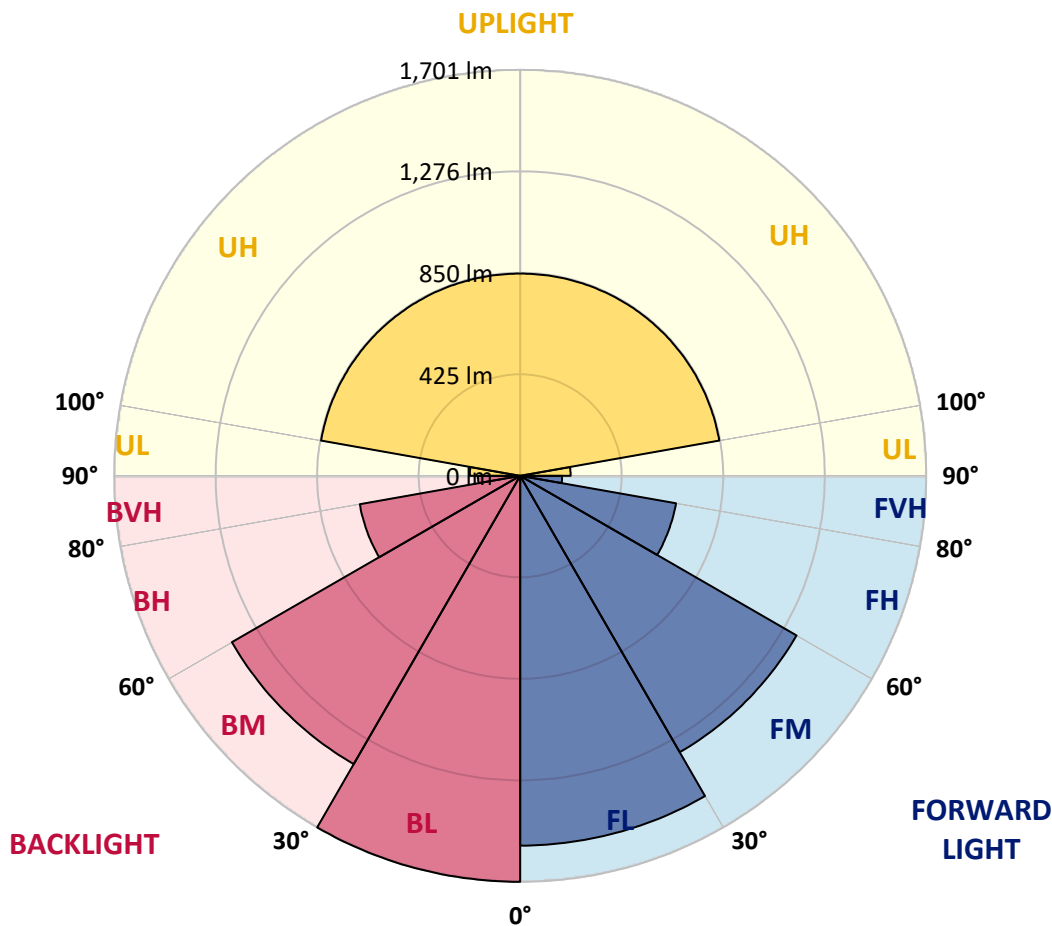
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1549.1	17.7			
FM	(30°-60°)	1336.9	15.3			
FH	(60°-80°)	662.8	7.6			G1/1800
FVH	(80°-90°)	175.9	2.0			G2/225
BL	(0°-30°)	1700.9	19.5	B3/2500		
BM	(30°-60°)	1394.5	16.0	B2/2500		
BH	(60°-80°)	682.3	7.8	B2/1000		G1/1800
BVH	(80°-90°)	177.0	2.0			G2/225
UL	(90°-100°)	211.5	2.4		U3/500	
UH	(100°-180°)	847.2	9.7		U4/1000	

BUG Rating: B3-U4-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9710.5	9710.5	9710.5	9710.5	9710.5	9710.5	9710.5	9710.5	9710.5	9710.5	9710.5
2.5°	9039.9	9053.1	9056.4	9039.9	8931.5	8875.6	8816.4	8698.1	8724.4	8707.9	8711.2
5°	8198.4	8251.0	8168.8	8145.8	7981.4	7859.8	7741.5	7613.3	7583.7	7531.1	7550.8
7.5°	7639.6	7669.2	7534.4	7396.3	7133.3	6946.0	6748.7	6551.5	6403.6	6347.7	6370.7
10°	6360.8	6459.4	6324.7	6183.3	5933.5	5710.0	5502.9	5308.9	5174.1	5131.4	5138.0
12.5°	5407.5	5463.4	5348.4	5253.0	4973.6	4759.9	4569.3	4388.5	4280.0	4234.0	4234.0
15°	4776.4	4799.4	4710.6	4526.5	4316.2	4122.2	3961.1	3829.6	3740.9	3724.5	3731.0
17.5°	4299.7	4299.7	4211.0	4066.3	3905.3	3734.3	3622.6	3523.9	3484.5	3497.6	3500.9
20°	3941.4	3944.7	3865.8	3724.5	3586.4	3431.9	3339.8	3270.8	3247.8	3270.8	3274.1
22.5°	3602.8	3619.3	3533.8	3428.6	3277.4	3155.8	3080.2	3004.5	2991.4	3001.3	3001.3
25°	2606.8	2606.8	2577.2	2495.0	2527.9	2541.0	2629.8	2820.5	2781.0	2817.2	2813.9
27.5°	2248.5	2261.6	2202.5	2130.1	2054.5	1965.8	1949.3	1932.9	1916.5	1992.1	2018.4
30°	1985.5	1992.1	1942.8	1893.5	1831.0	1781.7	1768.5	1768.5	1752.1	1811.3	1808.0
32.5°	1735.7	1725.8	1712.7	1666.6	1627.2	1584.5	1594.3	1587.7	1587.7	1640.3	1643.6
35°	1538.4	1535.1	1525.3	1492.4	1453.0	1420.1	1430.0	1436.5	1433.2	1466.1	1466.1
37.5°	1393.8	1397.1	1390.5	1377.4	1337.9	1311.6	1318.2	1311.6	1321.5	1344.5	1344.5
40°	1252.4	1252.4	1255.7	1252.4	1226.1	1216.3	1236.0	1226.1	1249.2	1265.6	1259.0
42.5°	1117.7	1121.0	1127.5	1121.0	1104.5	1094.7	1104.5	1107.8	1140.7	1163.7	1160.4
45°	1032.2	1032.2	1035.5	1032.2	1019.0	1009.2	1009.2	999.3	1022.3	1035.5	1032.2
47.5°	976.3	976.3	982.9	979.6	973.0	963.2	956.6	943.4	953.3	963.2	953.3
50°	956.6	956.6	969.7	969.7	966.5	956.6	946.7	930.3	933.6	940.2	927.0
52.5°	986.2	986.2	1009.2	1019.0	1019.0	1002.6	989.5	966.5	966.5	973.0	953.3
55°	1048.6	1048.6	1084.8	1104.5	1107.8	1107.8	1091.4	1068.4	1071.6	1084.8	1065.1
57.5°	1025.6	1028.9	1058.5	1084.8	1101.2	1111.1	1111.1	1097.9	1107.8	1140.7	1130.8
60°	917.1	923.7	943.4	966.5	996.0	1005.9	1005.9	1002.6	1019.0	1058.5	1058.5
62.5°	815.2	818.5	828.4	848.1	864.5	871.1	871.1	858.0	877.7	897.4	890.8
65°	736.3	733.1	752.8	769.2	779.1	788.9	779.1	765.9	775.8	788.9	785.7
67.5°	670.6	670.6	687.0	700.2	706.8	716.6	710.0	703.5	716.6	723.2	716.6
70°	608.1	611.4	624.6	634.4	641.0	650.9	641.0	637.7	650.9	657.5	654.2
72.5°	545.7	549.0	558.8	572.0	578.6	581.8	578.6	575.3	585.1	591.7	591.7
75°	489.8	493.1	499.7	512.8	512.8	519.4	516.1	512.8	522.7	529.2	529.2
77.5°	437.2	443.8	447.1	456.9	460.2	463.5	460.2	460.2	466.8	473.4	476.7
80°	391.2	394.5	397.8	407.6	407.6	410.9	407.6	407.6	414.2	424.1	424.1
82.5°	348.4	351.7	355.0	361.6	358.3	361.6	361.6	361.6	368.2	378.0	378.0
85°	305.7	312.3	312.3	318.9	318.9	318.9	318.9	322.2	325.4	335.3	335.3
87.5°	269.6	272.8	276.1	279.4	279.4	282.7	282.7	286.0	289.3	295.9	299.1
90°	233.4	236.7	240.0	240.0	240.0	243.3	243.3	246.5	249.8	256.4	259.7
92.5°	207.1	210.4	210.4	213.7	213.7	213.7	217.0	220.2	223.5	230.1	230.1
95°	184.1	187.4	187.4	187.4	187.4	190.7	190.7	193.9	197.2	203.8	203.8
97.5°	164.4	164.4	164.4	164.4	164.4	167.6	167.6	170.9	174.2	177.5	177.5
100°	144.6	144.6	144.6	144.6	144.6	144.6	144.6	147.9	147.9	154.5	154.5
102.5°	128.2	128.2	124.9	124.9	124.9	121.6	121.6	124.9	124.9	128.2	128.2
105°	115.1	115.1	115.1	115.1	111.8	111.8	111.8	111.8	111.8	115.1	115.1
107.5°	111.8	111.8	108.5	108.5	108.5	105.2	105.2	105.2	105.2	108.5	108.5
110°	108.5	108.5	108.5	108.5	105.2	105.2	101.9	101.9	101.9	105.2	105.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	111.8	111.8	111.8	108.5	108.5	105.2	105.2	105.2	105.2	105.2	108.5
115°	118.3	115.1	115.1	115.1	115.1	111.8	108.5	108.5	111.8	111.8	111.8
117.5°	128.2	124.9	124.9	128.2	124.9	121.6	118.3	118.3	121.6	121.6	124.9
120°	141.4	138.1	141.4	141.4	141.4	138.1	134.8	131.5	134.8	138.1	138.1
122.5°	157.8	154.5	157.8	161.1	161.1	157.8	151.2	151.2	154.5	157.8	161.1
125°	177.5	177.5	180.8	184.1	187.4	180.8	177.5	174.2	180.8	184.1	184.1
127.5°	200.5	197.2	203.8	213.7	217.0	210.4	203.8	200.5	207.1	213.7	213.7
130°	223.5	220.2	230.1	240.0	246.5	240.0	233.4	230.1	236.7	243.3	243.3
132.5°	243.3	240.0	253.1	266.3	272.8	269.6	263.0	256.4	266.3	272.8	269.6
135°	259.7	259.7	276.1	289.3	295.9	292.6	286.0	279.4	292.6	299.1	292.6
137.5°	269.6	269.6	289.3	302.4	309.0	309.0	305.7	299.1	312.3	315.6	305.7
140°	269.6	272.8	289.3	302.4	305.7	309.0	309.0	305.7	318.9	318.9	309.0
142.5°	259.7	263.0	279.4	292.6	295.9	299.1	302.4	299.1	309.0	309.0	302.4
145°	243.3	246.5	263.0	276.1	276.1	279.4	286.0	282.7	289.3	292.6	286.0
147.5°	220.2	223.5	236.7	243.3	246.5	253.1	259.7	259.7	263.0	266.3	263.0
150°	190.7	190.7	200.5	207.1	210.4	217.0	223.5	226.8	226.8	230.1	226.8
152.5°	151.2	151.2	157.8	164.4	167.6	177.5	180.8	184.1	187.4	190.7	187.4
155°	115.1	115.1	118.3	121.6	124.9	134.8	138.1	141.4	144.6	147.9	144.6
157.5°	82.2	82.2	85.5	88.8	92.0	98.6	101.9	105.2	105.2	108.5	108.5
160°	52.6	55.9	55.9	59.2	59.2	65.7	69.0	69.0	72.3	75.6	75.6
162.5°	26.3	29.6	29.6	32.9	36.2	39.4	42.7	42.7	46.0	46.0	46.0
165°	6.6	9.9	9.9	13.1	13.1	16.4	19.7	19.7	23.0	23.0	23.0
167.5°	0.0	3.3	3.3	3.3	3.3	3.3	3.3	6.6	6.6	6.6	6.6
170°	0.0	0.0	0.0	0.0	3.3	0.0	0.0	3.3	3.3	3.3	3.3
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°	178°	180°
0°	9710.5	9710.5	9710.5	9710.5	9710.5	9710.5	9710.5	9710.5	9710.5	9710.5	9710.5
2.5°	8800.0	8793.4	8974.2	9118.8	9289.8	9424.5	9556.0	9681.0	9730.3	9727.0	9730.3
5°	7639.6	7754.6	7991.3	8224.7	8500.8	8760.5	9003.8	9164.9	9266.8	9266.8	9276.6
7.5°	6475.9	6660.0	6952.5	7324.0	7738.2	8076.8	8487.7	8777.0	9007.1	9000.5	9043.2
10°	5230.0	5374.7	5667.2	6065.0	6521.9	6913.1	7271.4	7541.0	7764.5	7751.3	7807.2
12.5°	4296.4	4398.3	4651.5	5013.1	5430.5	5808.6	6160.3	6370.7	6528.5	6525.2	6554.8
15°	3747.5	3852.7	4017.0	4266.9	4612.0	4947.3	5299.0	5489.7	5578.5	5568.6	5617.9
17.5°	3523.9	3566.7	3668.6	3836.2	4086.1	4358.9	4638.3	4802.7	4904.6	4891.4	4927.6
20°	3284.0	3323.4	3392.4	3517.4	3694.9	3902.0	4138.6	4319.4	4395.1	4391.8	4414.8
22.5°	3007.8	3027.6	3103.2	3201.8	3330.0	3497.6	3678.4	3842.8	3918.4	3915.1	3938.1
25°	2817.2	2850.0	2896.1	2955.2	3044.0	3175.5	3326.7	3441.8	3510.8	3504.2	3533.8
27.5°	2057.8	2090.7	2113.7	2149.9	2153.1	2261.6	2314.2	2409.6	2472.0	2468.7	2488.4
30°	1808.0	1814.6	1834.3	1883.6	1913.2	1998.6	2103.8	2176.2	2228.8	2248.5	2261.6
32.5°	1650.2	1669.9	1692.9	1715.9	1752.1	1804.7	1886.9	1952.6	2008.5	2018.4	2041.4
35°	1469.4	1482.6	1499.0	1522.0	1545.0	1587.7	1650.2	1702.8	1745.5	1762.0	1775.1
37.5°	1341.2	1344.5	1360.9	1387.2	1406.9	1443.1	1499.0	1538.4	1581.2	1584.5	1597.6
40°	1255.7	1259.0	1275.5	1298.5	1321.5	1344.5	1393.8	1430.0	1459.5	1462.8	1472.7
42.5°	1157.1	1167.0	1173.5	1183.4	1199.8	1219.6	1262.3	1282.0	1301.8	1305.0	1318.2
45°	1022.3	1025.6	1032.2	1042.1	1061.8	1081.5	1111.1	1134.1	1147.3	1147.3	1144.0
47.5°	946.7	950.0	950.0	963.2	979.6	999.3	1025.6	1045.3	1051.9	1051.9	1051.9
50°	920.4	920.4	913.9	923.7	940.2	953.3	979.6	996.0	999.3	1002.6	1005.9
52.5°	940.2	933.6	913.9	923.7	940.2	953.3	979.6	986.2	986.2	992.7	996.0
55°	1048.6	1038.8	999.3	1005.9	1025.6	1042.1	1061.8	1065.1	1071.6	1081.5	1078.2
57.5°	1117.7	1124.2	1078.2	1088.1	1124.2	1137.4	1160.4	1157.1	1170.3	1183.4	1186.7
60°	1051.9	1071.6	1035.5	1048.6	1091.4	1097.9	1121.0	1107.8	1127.5	1127.5	1127.5
62.5°	894.1	900.7	881.0	900.7	940.2	940.2	956.6	946.7	953.3	946.7	950.0
65°	782.4	779.1	756.1	782.4	795.5	802.1	815.2	818.5	818.5	812.0	812.0
67.5°	713.3	706.8	687.0	693.6	706.8	710.0	729.8	733.1	729.8	729.8	733.1
70°	650.9	641.0	621.3	624.6	634.4	637.7	654.2	660.7	657.5	654.2	657.5
72.5°	588.4	578.6	558.8	558.8	568.7	575.3	588.4	595.0	588.4	588.4	591.7
75°	529.2	519.4	499.7	499.7	506.2	509.5	526.0	529.2	526.0	522.7	526.0
77.5°	476.7	470.1	450.4	450.4	453.6	456.9	466.8	470.1	466.8	463.5	466.8
80°	427.3	417.5	404.3	401.0	404.3	404.3	414.2	417.5	410.9	410.9	414.2
82.5°	381.3	371.5	358.3	358.3	355.0	358.3	364.9	368.2	364.9	361.6	364.9
85°	338.6	332.0	318.9	315.6	315.6	315.6	322.2	322.2	318.9	318.9	318.9
87.5°	299.1	292.6	279.4	279.4	276.1	279.4	282.7	282.7	279.4	279.4	279.4
90°	259.7	253.1	243.3	243.3	240.0	243.3	246.5	246.5	243.3	243.3	243.3
92.5°	230.1	226.8	217.0	217.0	213.7	217.0	217.0	217.0	213.7	213.7	213.7
95°	203.8	200.5	193.9	190.7	190.7	190.7	190.7	190.7	187.4	187.4	187.4
97.5°	177.5	174.2	167.6	167.6	164.4	167.6	167.6	167.6	164.4	164.4	164.4
100°	154.5	151.2	147.9	147.9	144.6	144.6	144.6	144.6	144.6	144.6	144.6
102.5°	128.2	128.2	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9
105°	115.1	115.1	115.1	115.1	118.3	118.3	118.3	115.1	115.1	115.1	115.1
107.5°	108.5	108.5	108.5	111.8	111.8	111.8	115.1	108.5	105.2	105.2	105.2
110°	105.2	105.2	108.5	108.5	111.8	111.8	115.1	101.9	98.6	98.6	98.6

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	108.5	108.5	108.5	111.8	115.1	115.1	118.3	101.9	98.6	98.6	98.6
115°	115.1	115.1	115.1	118.3	121.6	124.9	124.9	108.5	101.9	101.9	105.2
117.5°	124.9	124.9	124.9	128.2	134.8	134.8	134.8	115.1	111.8	111.8	111.8
120°	138.1	141.4	141.4	144.6	151.2	154.5	147.9	131.5	111.8	121.6	121.6
122.5°	157.8	161.1	164.4	167.6	177.5	177.5	167.6	151.2	121.6	134.8	138.1
125°	184.1	187.4	190.7	197.2	207.1	207.1	193.9	170.9	138.1	151.2	154.5
127.5°	210.4	217.0	220.2	230.1	243.3	243.3	226.8	197.2	154.5	164.4	167.6
130°	240.0	246.5	253.1	266.3	282.7	276.1	263.0	223.5	167.6	174.2	174.2
132.5°	266.3	276.1	279.4	299.1	315.6	309.0	292.6	240.0	174.2	174.2	170.9
135°	286.0	292.6	295.9	315.6	332.0	322.2	302.4	246.5	170.9	164.4	164.4
137.5°	299.1	305.7	309.0	322.2	335.3	318.9	292.6	233.4	164.4	161.1	157.8
140°	305.7	305.7	305.7	315.6	322.2	302.4	269.6	210.4	147.9	154.5	154.5
142.5°	299.1	295.9	292.6	299.1	302.4	279.4	249.8	187.4	134.8	141.4	141.4
145°	282.7	276.1	272.8	276.1	276.1	249.8	217.0	161.1	118.3	121.6	121.6
147.5°	259.7	249.8	243.3	243.3	240.0	213.7	184.1	134.8	101.9	98.6	98.6
150°	223.5	213.7	207.1	207.1	197.2	174.2	147.9	105.2	82.2	82.2	82.2
152.5°	184.1	174.2	167.6	167.6	157.8	134.8	111.8	78.9	62.5	62.5	62.5
155°	144.6	134.8	128.2	124.9	118.3	101.9	82.2	59.2	46.0	46.0	46.0
157.5°	108.5	101.9	95.3	92.0	85.5	75.6	59.2	42.7	29.6	32.9	32.9
160°	75.6	69.0	65.7	62.5	59.2	49.3	39.4	26.3	16.4	16.4	16.4
162.5°	46.0	42.7	42.7	39.4	36.2	32.9	23.0	13.1	6.6	6.6	6.6
165°	23.0	23.0	19.7	19.7	16.4	13.1	9.9	3.3	0.0	0.0	0.0
167.5°	6.6	6.6	6.6	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
170°	3.3	3.3	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)