

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: P853338

Luminaire Tested: **CRTK-N-30-727-U-T3-CNR**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853338
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-30-727-U-T3-CNR
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4173.9 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.25')
IES Classification: Type IV - Short
BUG Rating: B2 - U3 - G2

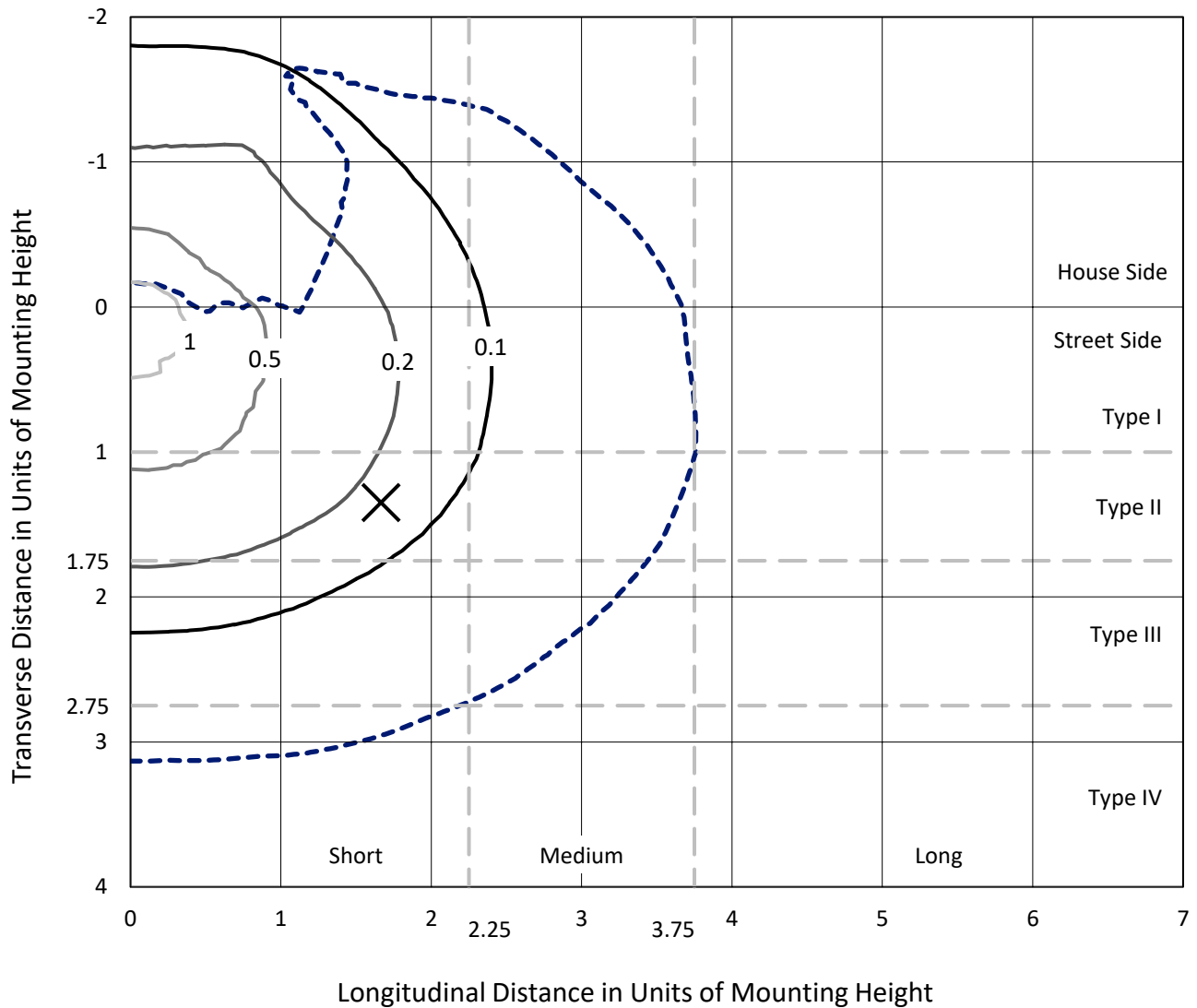
Input Watts (W): 32.3
Input Voltage (V): 120.0
Input Current (Ain): 0.271
Voltage Rise (V): NR
Power Factor: 0.993
Total Harmonic Distortion (THDi): 10.1%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

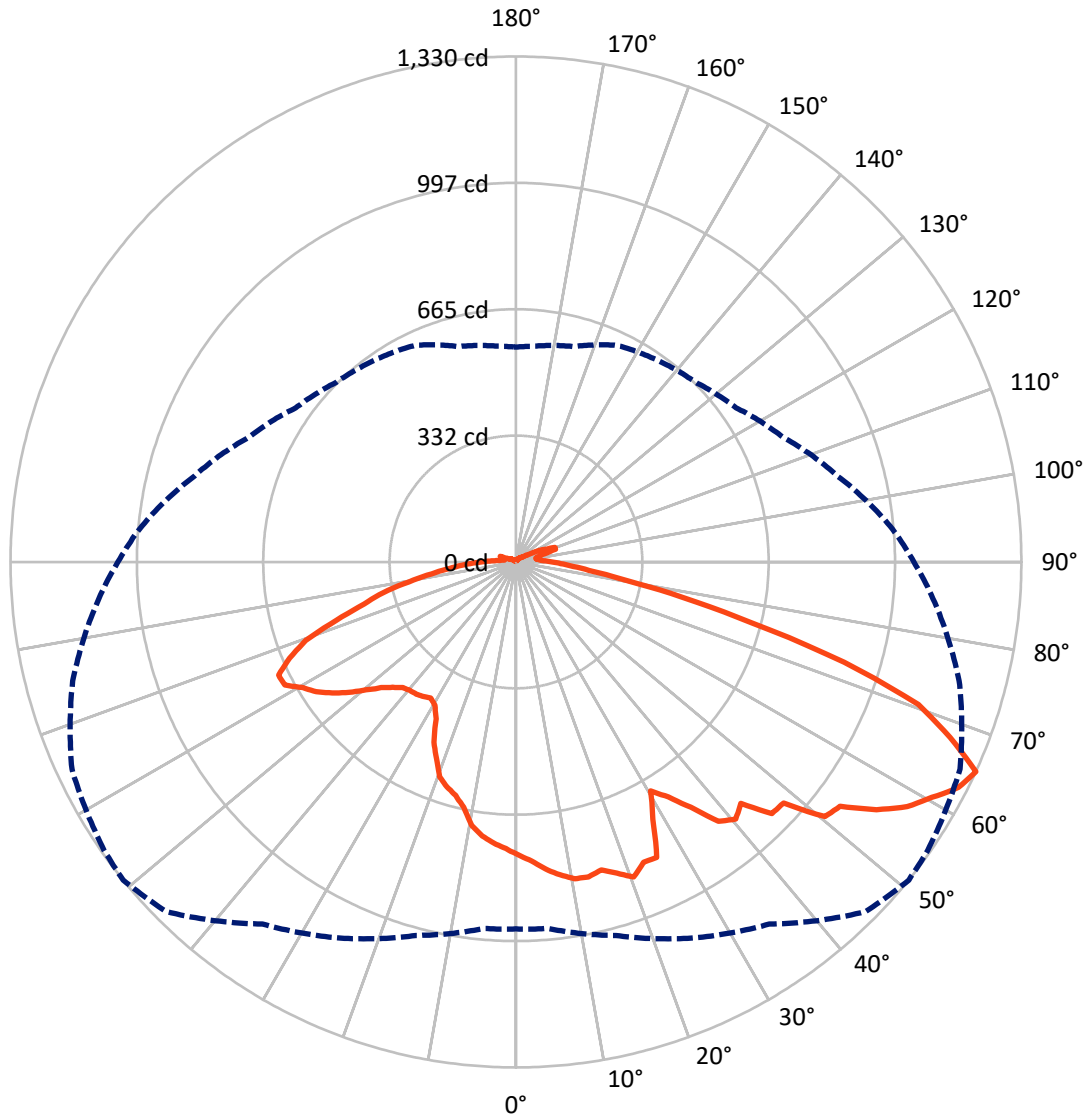
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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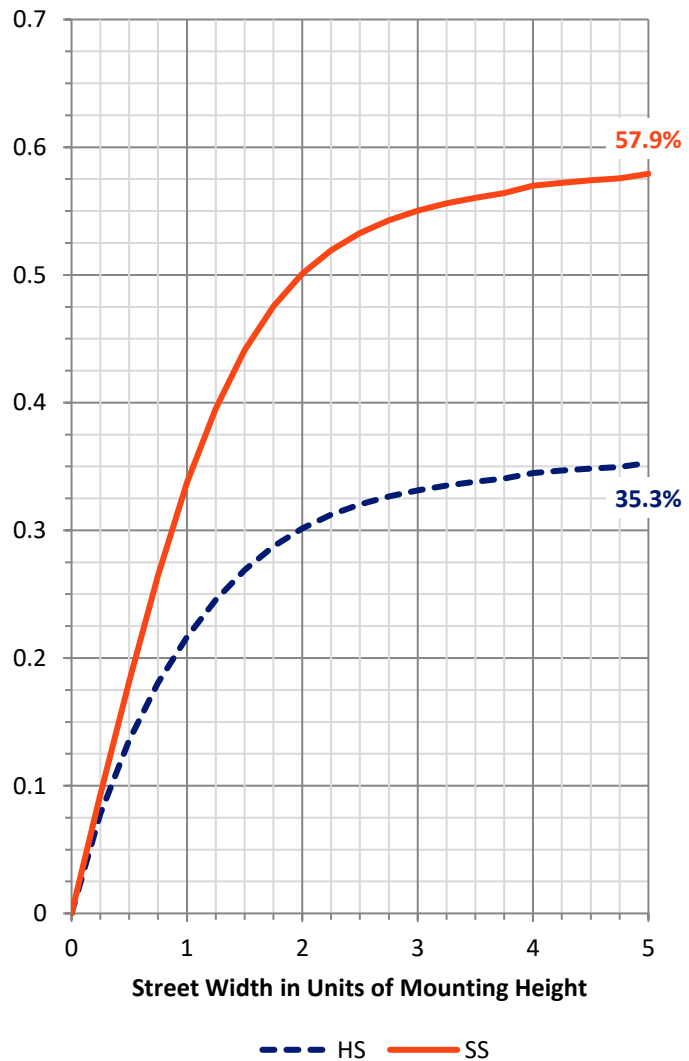
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1523.7	65.4	1589.1
	% Fixture	36.5	1.6	38.1
Street Side	Lumens	2456.1	128.8	2584.9
	% Fixture	58.8	3.1	61.9
Total	Lumens	3979.8	194.1	4173.9
	% Fixture	95.3	4.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	1.8
10°-20°	208.2	5.0
20°-30°	305.4	7.3
30°-40°	424.9	10.2
40°-50°	557.9	13.4
50°-60°	758.0	18.2
60°-70°	900.2	21.6
70°-80°	560.2	13.4
80°-90°	191.2	4.6
90°-100°	64.0	1.5
100°-110°	55.6	1.3
110°-120°	45.2	1.1
120°-130°	15.9	0.4
130°-140°	7.5	0.2
140°-150°	3.8	0.1
150°-160°	1.8	0.0
160°-170°	0.4	0.0
170°-180°	0.0	0.0
0°-90°	3979.8	95.3
0°-180°	4173.9	100.0

Coefficient of Utilization



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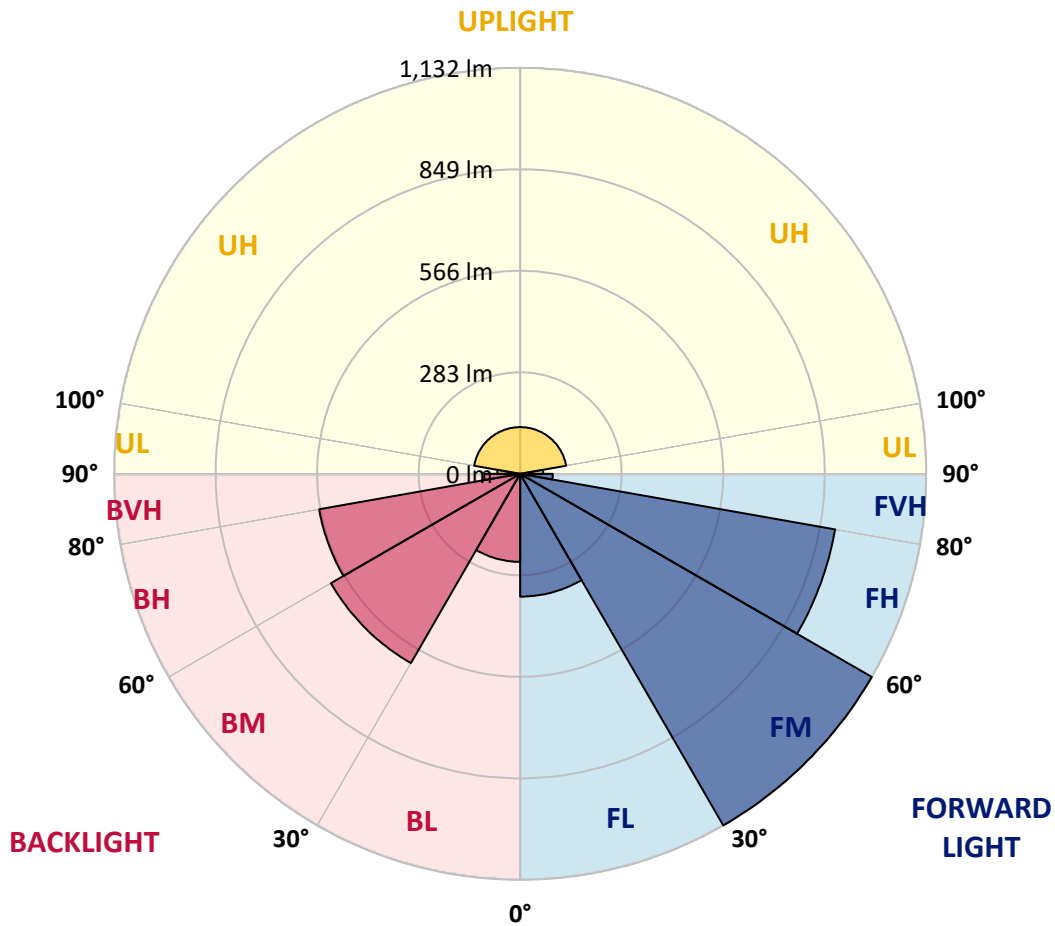
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	342.2	8.2			
FM (30°-60°)	1131.6	27.1			
FH (60°-80°)	891.5	21.4			G1/1800
FVH (80°-90°)	90.8	2.2			G1/100
BL (0°-30°)	245.3	5.9	B1/500		
BM (30°-60°)	609.2	14.6	B1/1000		
BH (60°-80°)	568.9	13.6	B2/1000		G2/1000
BVH (80°-90°)	100.4	2.4			G2/225
UL (90°-100°)	64.0	1.5		U3/500	
UH (100°-180°)	130.1	3.1		U3/500	

BUG Rating: B2-U3-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	770.7	770.7	770.7	770.7	770.7	770.7	770.7	770.7	770.7	770.7	770.7
2.5°	789.9	793.5	795.9	798.3	795.9	791.1	787.5	787.5	786.3	779.1	768.3
5°	821.2	823.6	824.8	826.0	823.6	816.4	811.5	809.1	804.3	792.3	776.7
7.5°	844.0	846.4	850.0	848.8	846.4	835.6	830.8	827.2	821.2	805.5	783.9
10°	857.2	860.8	865.6	866.9	863.2	853.6	847.6	841.6	833.2	812.7	785.1
12.5°	869.3	871.7	869.3	862.0	860.8	852.4	850.0	851.2	845.2	826.0	789.9
15°	815.2	821.2	844.0	846.4	851.2	845.2	840.4	835.6	821.2	806.7	793.5
17.5°	795.9	799.5	820.0	856.0	870.5	866.9	860.8	856.0	840.4	807.9	735.8
20°	804.3	806.7	818.8	833.2	882.5	886.1	884.9	880.1	862.0	792.3	721.4
22.5°	787.5	791.1	806.7	815.2	844.0	865.6	858.4	851.2	807.9	733.4	664.9
25°	841.6	842.8	820.0	782.7	771.9	811.5	860.8	870.5	764.7	702.1	651.6
27.5°	884.9	888.5	883.7	850.0	827.2	799.5	767.1	731.0	756.2	735.8	679.3
30°	933.0	946.2	961.8	947.4	888.5	776.7	698.5	699.7	743.0	743.0	713.0
32.5°	1001.5	1031.6	1023.1	999.1	904.1	758.6	737.0	731.0	762.3	749.0	709.4
35°	1090.5	1106.1	1064.0	987.1	916.1	817.6	792.3	780.3	758.6	797.1	666.1
37.5°	1151.8	1135.0	1106.1	1040.0	874.1	870.5	865.6	856.0	822.4	717.8	714.2
40°	1124.1	1144.6	1168.6	1044.8	936.6	901.7	889.7	907.7	811.5	750.2	757.4
42.5°	1178.2	1208.3	1131.4	1067.6	1032.8	954.6	868.1	834.4	840.4	820.0	746.6
45°	1220.3	1189.1	1120.5	1042.4	995.5	961.8	943.8	929.4	882.5	807.9	702.1
47.5°	1041.2	1077.3	1083.3	1056.8	1052.0	988.3	947.4	931.8	887.3	710.6	651.6
50°	1058.0	1068.8	1061.6	1096.5	1137.4	1089.3	1053.2	1007.5	883.7	810.3	743.0
52.5°	1094.1	1106.1	1109.7	1126.5	1141.0	1103.7	1067.6	1031.6	965.4	890.9	805.5
55°	1131.4	1136.2	1143.4	1157.8	1179.4	1177.0	1150.6	1114.5	1055.6	975.1	877.7
57.5°	1120.5	1130.2	1141.0	1181.9	1213.1	1239.6	1214.3	1189.1	1132.6	1050.8	951.0
60°	1090.5	1103.7	1132.6	1183.1	1237.2	1280.4	1257.6	1242.0	1187.9	1119.3	1023.1
62.5°	1040.0	1044.8	1088.1	1154.2	1215.5	1298.5	1306.9	1293.7	1263.6	1181.9	1071.2
65°	965.4	967.8	1017.1	1091.7	1162.6	1300.9	1329.7	1322.5	1288.9	1207.1	1101.3
67.5°	876.5	877.7	921.0	985.9	1056.8	1167.4	1232.3	1260.0	1291.3	1201.1	1102.5
70°	753.8	755.0	794.7	866.9	928.2	1052.0	1122.9	1161.4	1192.7	1110.9	1028.0
72.5°	652.8	654.0	669.7	715.4	770.7	859.6	902.9	931.8	969.0	945.0	864.4
75°	557.9	547.0	548.2	550.6	566.3	618.0	640.8	668.5	710.6	714.2	655.2
77.5°	428.0	418.4	411.2	404.0	395.6	428.0	447.3	466.5	485.7	488.1	465.3
80°	298.2	292.2	294.6	287.3	275.3	291.0	293.4	300.6	312.6	333.0	342.7
82.5°	211.6	194.8	197.2	188.8	186.4	198.4	203.2	205.6	220.0	239.3	230.8
85°	127.4	126.2	131.0	131.0	132.3	144.3	151.5	151.5	165.9	176.7	179.1
87.5°	92.6	90.2	95.0	99.8	103.4	113.0	117.8	119.0	128.6	138.3	138.3
90°	75.7	75.7	78.1	80.6	83.0	87.8	91.4	92.6	97.4	101.0	102.2
92.5°	66.1	66.1	67.3	67.3	67.3	68.5	68.5	69.7	74.5	74.5	72.1
95°	63.7	62.5	62.5	63.7	64.9	63.7	61.3	60.1	58.9	57.7	54.1
97.5°	58.9	57.7	58.9	58.9	56.5	56.5	55.3	55.3	51.7	49.3	44.5
100°	52.9	54.1	54.1	55.3	54.1	54.1	52.9	52.9	49.3	46.9	45.7
102.5°	58.9	61.3	58.9	58.9	60.1	57.7	57.7	58.9	56.5	56.5	55.3
105°	63.7	67.3	74.5	80.6	78.1	72.1	70.9	73.3	70.9	70.9	67.3
107.5°	62.5	64.9	69.7	87.8	102.2	110.6	109.4	111.8	103.4	91.4	76.9
110°	61.3	62.5	66.1	74.5	86.6	102.2	109.4	114.2	122.6	114.2	101.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
112.5°	66.1	68.5	70.9	74.5	78.1	83.0	85.4	89.0	96.2	96.2	89.0
115°	72.1	70.9	70.9	70.9	72.1	75.7	74.5	74.5	74.5	69.7	58.9
117.5°	56.5	54.1	55.3	55.3	55.3	57.7	55.3	54.1	52.9	45.7	38.5
120°	37.3	36.1	37.3	39.7	38.5	39.7	38.5	37.3	36.1	33.7	30.1
122.5°	31.3	30.1	30.1	30.1	30.1	31.3	32.5	31.3	31.3	30.1	27.7
125°	22.8	22.8	22.8	22.8	22.8	24.0	25.2	25.2	25.2	25.2	22.8
127.5°	19.2	19.2	19.2	19.2	19.2	20.4	21.6	21.6	20.4	20.4	19.2
130°	16.8	16.8	16.8	16.8	16.8	18.0	18.0	18.0	18.0	16.8	15.6
132.5°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	14.4
135°	14.4	14.4	14.4	14.4	15.6	14.4	15.6	15.6	14.4	14.4	12.0
137.5°	13.2	12.0	13.2	12.0	13.2	13.2	13.2	12.0	12.0	12.0	9.6
140°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	9.6
142.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	8.4
145°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	8.4	8.4	7.2
147.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	7.2
150°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	7.2	7.2
152.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	6.0
155°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
157.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
160°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
162.5°	2.4	2.4	2.4	3.6	3.6	3.6	3.6	3.6	3.6	2.4	2.4
165°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
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°	770.7	770.7	770.7	770.7	770.7	770.7	770.7	770.7	770.7	770.7	770.7
2.5°	765.9	763.5	763.5	764.7	757.4	750.2	745.4	741.8	740.6	741.8	738.2
5°	773.1	769.5	762.3	755.0	746.6	734.6	727.4	720.2	717.8	719.0	717.8
7.5°	776.7	770.7	758.6	747.8	732.2	716.6	706.9	698.5	693.7	694.9	692.5
10°	775.5	765.9	747.8	732.2	710.6	691.3	678.1	667.3	663.7	664.9	663.7
12.5°	776.7	763.5	737.0	708.1	670.9	643.2	627.6	619.2	618.0	626.4	626.4
15°	776.7	746.6	693.7	670.9	643.2	620.4	606.0	591.5	581.9	560.3	559.1
17.5°	704.5	711.8	687.7	657.7	627.6	606.0	584.3	563.9	542.2	542.2	539.8
20°	694.9	676.9	661.3	642.0	609.6	586.7	561.5	530.2	517.0	518.2	517.0
22.5°	637.2	624.0	591.5	596.3	571.1	537.4	503.8	484.5	485.7	495.3	495.3
25°	622.8	597.5	555.5	537.4	548.2	479.7	467.7	462.9	468.9	486.9	485.7
27.5°	649.2	618.0	563.9	507.4	460.5	466.5	467.7	467.7	470.1	461.7	455.7
30°	676.9	640.8	543.4	485.7	426.8	441.2	459.3	476.1	458.1	447.3	448.5
32.5°	690.1	620.4	544.6	466.5	424.4	419.6	452.1	442.4	449.7	449.7	453.3
35°	625.2	597.5	560.3	467.7	434.0	422.0	420.8	431.6	436.4	459.3	462.9
37.5°	669.7	627.6	509.8	483.3	447.3	417.2	410.0	437.6	440.0	440.0	448.5
40°	719.0	654.0	531.4	474.9	442.4	431.6	424.4	429.2	441.2	414.8	414.8
42.5°	688.9	642.0	555.5	470.1	440.0	450.9	452.1	438.8	419.6	429.2	432.8
45°	664.9	606.0	545.8	492.9	461.7	462.9	453.3	436.4	424.4	440.0	440.0
47.5°	616.8	583.1	529.0	506.2	482.1	488.1	501.4	449.7	436.4	407.6	391.9
50°	703.3	663.7	592.7	532.6	515.8	521.8	554.3	488.1	446.0	412.4	412.4
52.5°	758.6	720.2	643.2	580.7	553.1	562.7	589.1	511.0	468.9	443.6	438.8
55°	821.2	774.3	694.9	625.2	593.9	592.7	608.4	549.4	507.4	477.3	482.1
57.5°	884.9	840.4	744.2	666.1	627.6	624.0	626.4	596.3	535.0	515.8	523.0
60°	970.2	913.7	797.1	697.3	650.4	652.8	650.4	627.6	571.1	539.8	539.8
62.5°	1025.6	960.6	852.4	755.0	696.1	678.1	670.9	639.6	590.3	554.3	556.7
65°	1047.2	994.3	875.3	775.5	706.9	668.5	648.0	628.8	586.7	569.9	565.1
67.5°	1041.2	984.7	866.9	758.6	675.7	603.5	568.7	535.0	549.4	544.6	539.8
70°	972.7	908.9	776.7	694.9	621.6	543.4	486.9	466.5	465.3	460.5	431.6
72.5°	826.0	768.3	655.2	584.3	517.0	465.3	446.0	405.2	378.7	358.3	347.5
75°	643.2	606.0	541.0	489.3	428.0	394.4	358.3	327.0	317.4	316.2	307.8
77.5°	466.5	448.5	424.4	408.8	373.9	336.6	305.4	292.2	286.1	282.5	281.3
80°	343.9	339.0	321.0	316.2	294.6	274.1	260.9	260.9	259.7	263.3	262.1
82.5°	234.4	230.8	233.2	239.3	228.4	217.6	214.0	222.4	239.3	252.5	250.1
85°	184.0	180.3	179.1	181.5	177.9	171.9	171.9	176.7	175.5	177.9	171.9
87.5°	143.1	141.9	138.3	140.7	135.9	133.5	133.5	134.7	133.5	133.5	132.3
90°	105.8	105.8	103.4	105.8	99.8	97.4	98.6	97.4	90.2	86.6	84.2
92.5°	74.5	73.3	70.9	73.3	68.5	67.3	67.3	63.7	62.5	61.3	61.3
95°	55.3	54.1	51.7	50.5	48.1	46.9	49.3	49.3	45.7	39.7	37.3
97.5°	43.3	43.3	42.1	40.9	38.5	34.9	33.7	28.9	24.0	19.2	20.4
100°	44.5	43.3	44.5	40.9	34.9	26.5	22.8	20.4	16.8	12.0	12.0
102.5°	55.3	54.1	51.7	42.1	32.5	25.2	21.6	16.8	13.2	7.2	6.0
105°	63.7	61.3	50.5	40.9	32.5	25.2	20.4	16.8	12.0	6.0	3.6
107.5°	69.7	61.3	54.1	48.1	44.5	36.1	26.5	18.0	9.6	3.6	2.4
110°	95.0	86.6	79.4	68.5	51.7	31.3	21.6	12.0	7.2	2.4	1.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	81.8	78.1	58.9	44.5	31.3	19.2	14.4	10.8	6.0	2.4	2.4
115°	51.7	46.9	36.1	27.7	21.6	15.6	12.0	9.6	6.0	2.4	0.0
117.5°	34.9	32.5	26.5	22.8	18.0	14.4	10.8	8.4	4.8	0.0	0.0
120°	28.9	27.7	22.8	19.2	15.6	12.0	9.6	7.2	2.4	0.0	0.0
122.5°	25.2	24.0	19.2	16.8	13.2	10.8	8.4	4.8	1.2	0.0	0.0
125°	21.6	21.6	19.2	16.8	14.4	12.0	8.4	4.8	1.2	0.0	0.0
127.5°	18.0	16.8	15.6	13.2	12.0	8.4	7.2	4.8	0.0	0.0	0.0
130°	14.4	14.4	12.0	9.6	8.4	6.0	4.8	2.4	0.0	0.0	0.0
132.5°	13.2	13.2	10.8	9.6	7.2	4.8	3.6	2.4	0.0	0.0	0.0
135°	12.0	12.0	9.6	8.4	6.0	4.8	3.6	2.4	0.0	0.0	0.0
137.5°	9.6	9.6	8.4	6.0	4.8	3.6	2.4	1.2	0.0	0.0	0.0
140°	8.4	8.4	7.2	6.0	4.8	3.6	2.4	1.2	0.0	0.0	0.0
142.5°	7.2	7.2	6.0	4.8	3.6	2.4	1.2	1.2	0.0	0.0	0.0
145°	7.2	7.2	6.0	4.8	3.6	2.4	1.2	0.0	0.0	0.0	0.0
147.5°	7.2	6.0	6.0	4.8	3.6	2.4	1.2	0.0	0.0	0.0	0.0
150°	6.0	6.0	4.8	3.6	2.4	1.2	1.2	0.0	0.0	0.0	0.0
152.5°	6.0	6.0	4.8	3.6	2.4	1.2	1.2	0.0	0.0	0.0	0.0
155°	4.8	4.8	3.6	2.4	2.4	1.2	1.2	0.0	0.0	0.0	0.0
157.5°	4.8	3.6	3.6	2.4	1.2	1.2	1.2	0.0	0.0	0.0	0.0
160°	3.6	3.6	2.4	2.4	1.2	1.2	1.2	0.0	0.0	0.0	0.0
162.5°	2.4	2.4	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
165°	2.4	2.4	2.4	1.2	1.2	1.2	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)