

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: P691407

Luminaire Tested: **CRTK2-C016-5TLD-U-T2-8027-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-5TLD-U-T2-8027-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4549.9 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 42.8
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

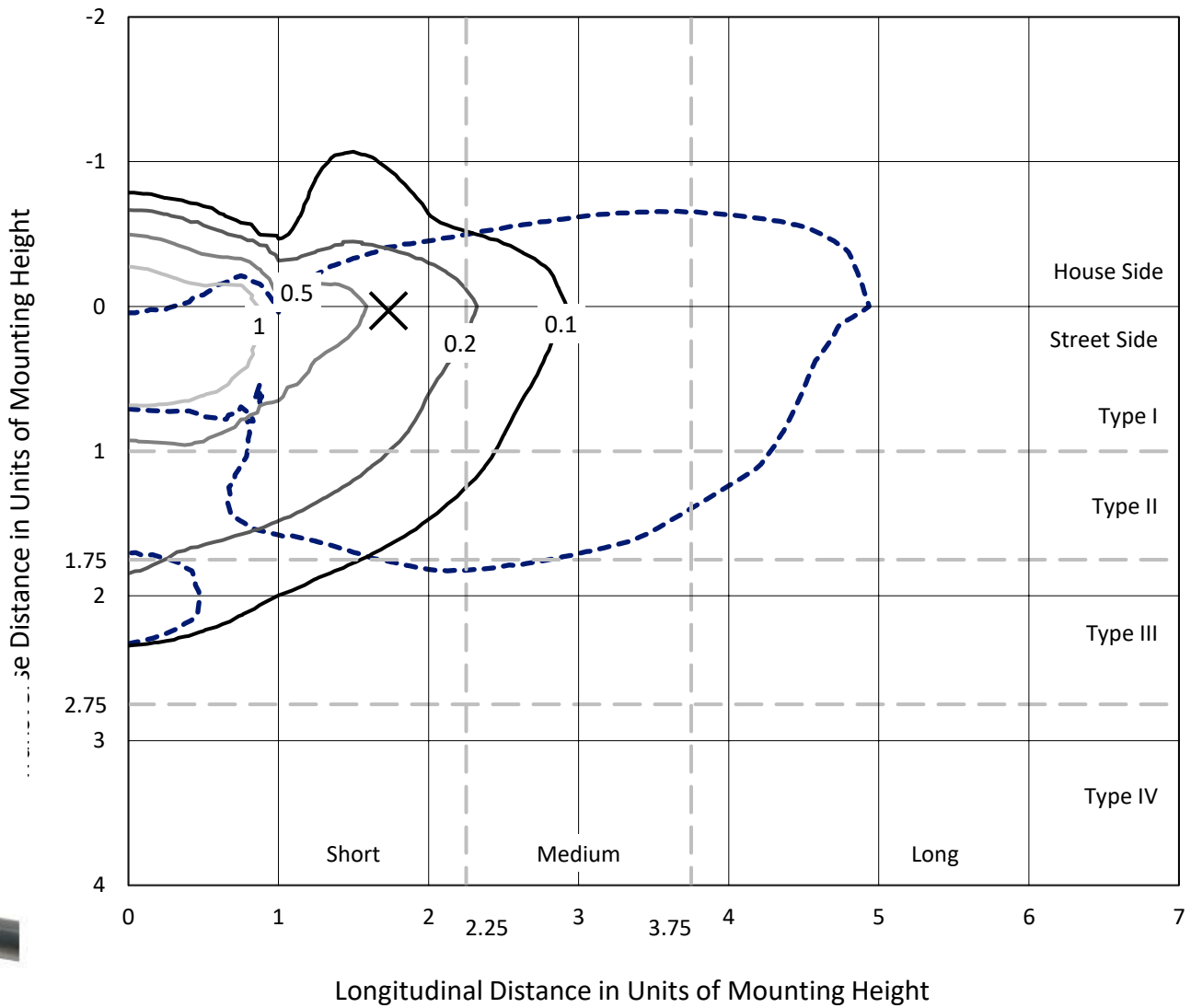


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

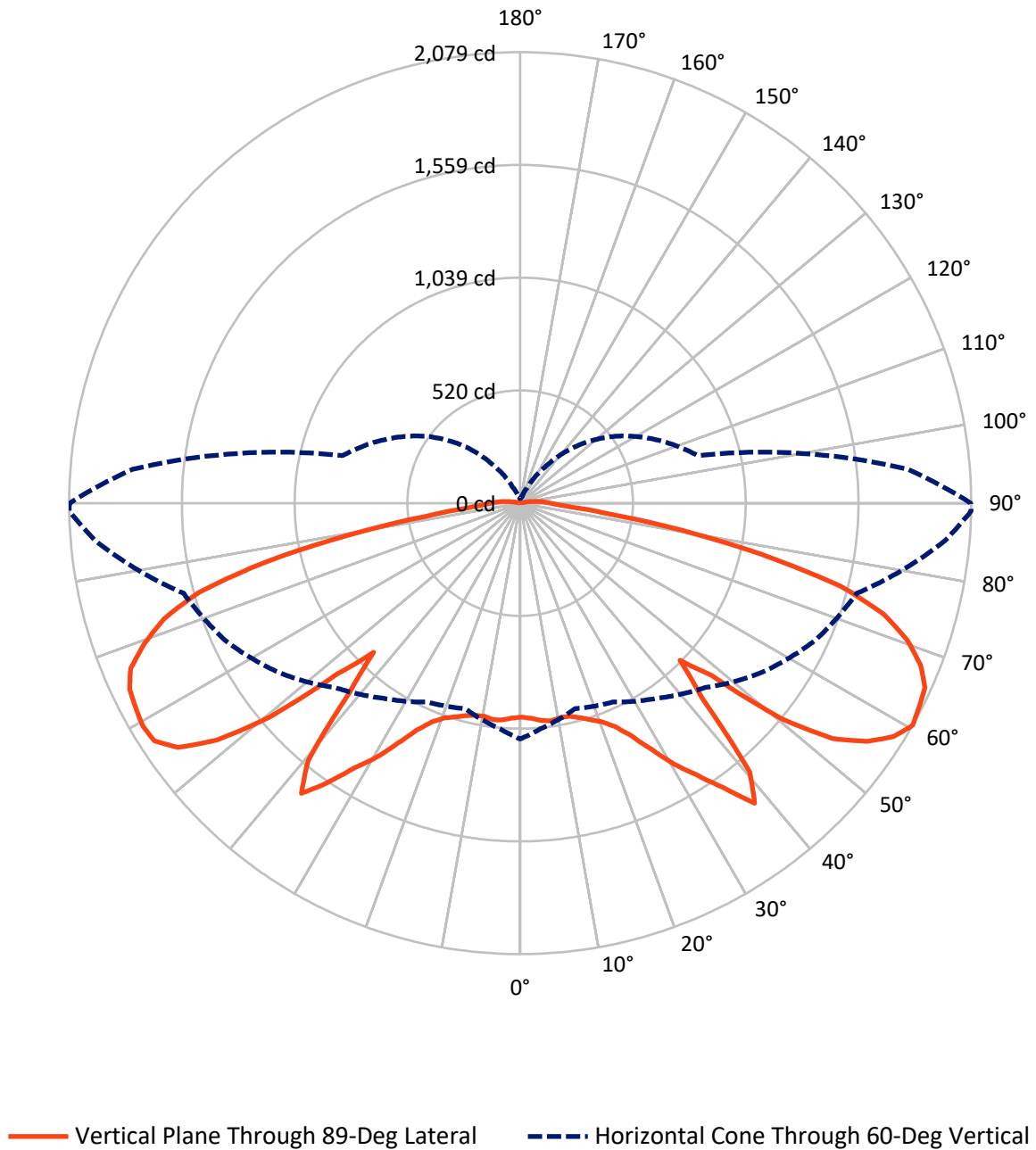


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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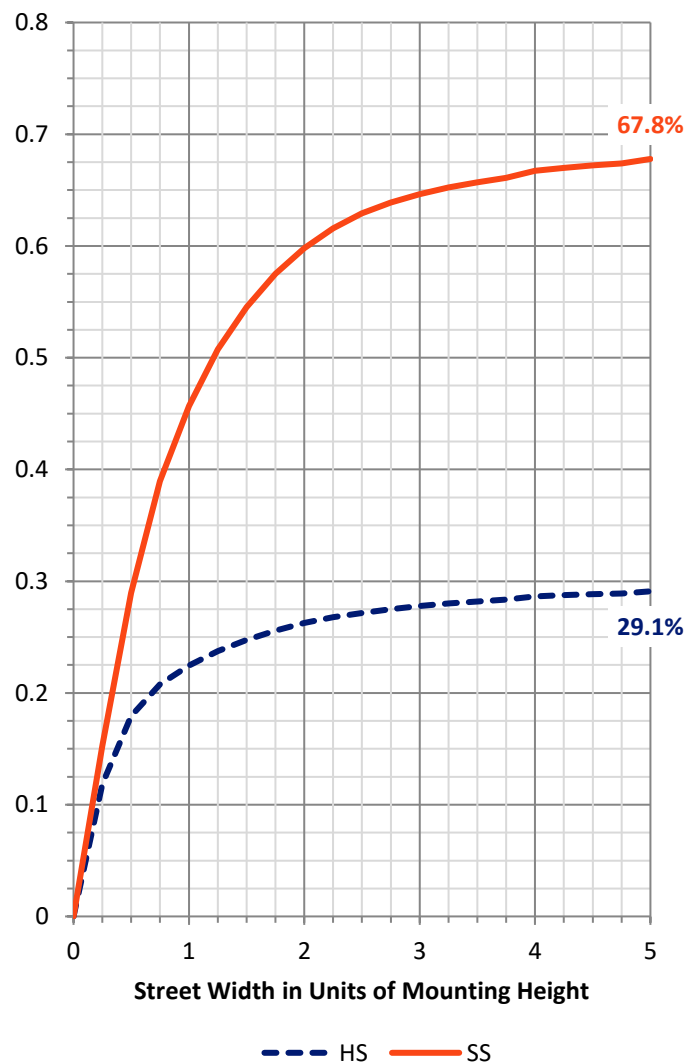
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1350.7	25.3	1376.1
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	3125.0	48.9	3173.9
	% Fixture	68.7	1.1	69.8
Total	Lumens	4475.8	74.2	4549.9
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.8	2.1
10°-20°	279.9	6.2
20°-30°	461.9	10.2
30°-40°	626.6	13.8
40°-50°	521.9	11.5
50°-60°	722.8	15.9
60°-70°	890.9	19.6
70°-80°	674.5	14.8
80°-90°	202.4	4.4
90°-100°	52.4	1.2
100°-110°	12.0	0.3
110°-120°	5.6	0.1
120°-130°	3.8	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°	4475.8	98.4
0°-180°	4549.9	100.0

Coefficient of Utilization



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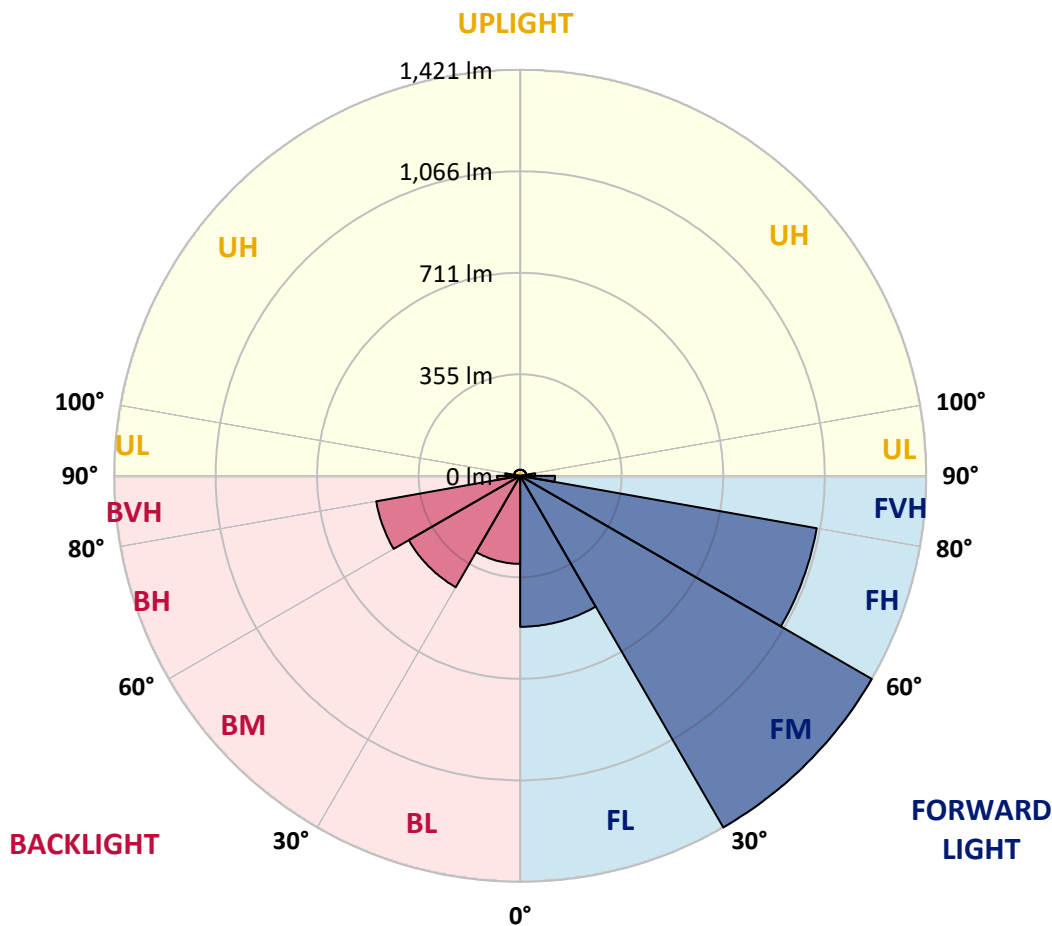
CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-8027-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	528.5	11.6			
FM	(30°-60°)	1421.0	31.2			
FH	(60°-80°)	1053.8	23.2			G1/1800
FVH	(80°-90°)	121.7	2.7			G2/225
BL	(0°-30°)	308.1	6.8	B1/500		
BM	(30°-60°)	450.3	9.9	B1/1000		
BH	(60°-80°)	511.6	11.2	B2/1000		G2/1000
BVH	(80°-90°)	80.7	1.8			G1/100
UL	(90°-100°)	52.4	1.2		U3/500	
UH	(100°-180°)	21.7	0.5		U2/50	

BUG Rating: B2-U3-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	986.2	986.2	986.2	986.2	986.2	986.2	986.2	986.2	986.2	986.2	986.2
2.5°	1034.9	1029.5	1029.5	1029.5	1018.7	1018.7	1011.5	1007.8	1000.6	995.2	993.4
5°	1094.5	1090.9	1090.9	1089.1	1078.3	1071.1	1056.6	1044.0	1033.1	1015.1	1006.0
7.5°	1141.5	1136.1	1136.1	1134.3	1123.4	1114.4	1098.1	1069.2	1047.6	1027.7	1013.3
10°	1157.8	1155.9	1154.1	1148.7	1139.7	1132.5	1118.0	1090.9	1056.6	1024.1	1006.0
12.5°	1188.5	1188.5	1183.0	1175.8	1168.6	1161.4	1141.5	1119.8	1081.9	1031.3	1007.8
15°	1228.2	1224.6	1221.0	1217.4	1211.9	1201.1	1183.0	1155.9	1112.6	1051.2	1025.9
17.5°	1244.4	1242.6	1242.6	1244.4	1242.6	1235.4	1231.8	1201.1	1155.9	1078.3	1049.4
20°	1248.1	1249.9	1253.5	1266.1	1269.7	1266.1	1271.5	1253.5	1201.1	1114.4	1076.5
22.5°	1269.7	1273.3	1280.6	1293.2	1298.6	1304.1	1309.5	1323.9	1271.5	1170.4	1118.0
25°	1260.7	1264.3	1286.0	1305.9	1325.7	1342.0	1376.3	1408.8	1370.9	1253.5	1186.6
27.5°	1237.2	1244.4	1282.4	1322.1	1370.9	1414.2	1477.4	1517.2	1486.5	1358.2	1282.4
30°	1257.1	1257.1	1282.4	1340.2	1403.4	1500.9	1584.0	1629.2	1607.5	1459.4	1394.4
32.5°	1215.5	1226.4	1278.8	1365.5	1463.0	1587.6	1668.9	1748.4	1755.6	1594.8	1493.7
35°	1087.3	1105.4	1148.7	1264.3	1414.2	1631.0	1773.7	1880.2	1914.5	1757.4	1609.3
37.5°	895.9	908.5	984.4	1100.0	1278.8	1486.5	1715.9	1957.9	2053.6	1862.2	1755.6
40°	792.9	801.9	847.1	942.8	1107.2	1307.7	1488.3	1721.3	1773.7	1699.6	1629.2
42.5°	758.6	773.0	829.0	917.5	1051.2	1192.1	1221.0	1307.7	1280.6	1289.6	1228.2
45°	805.5	811.0	852.5	930.2	1011.5	1049.4	1011.5	1071.1	1100.0	1094.5	1033.1
47.5°	829.0	838.1	883.2	982.6	982.6	984.4	1031.3	1067.4	1150.5	1228.2	1184.8
50°	711.6	724.3	807.4	886.8	899.5	1049.4	1172.2	1242.6	1329.3	1537.0	1562.3
52.5°	670.1	679.1	769.4	928.4	1020.5	1174.0	1249.9	1314.9	1388.9	1732.1	1802.6
55°	733.3	749.6	856.1	1020.5	1121.6	1213.7	1311.3	1405.2	1484.7	1885.6	1938.0
57.5°	847.1	877.8	942.8	1034.9	1130.7	1213.7	1343.8	1459.4	1564.1	1945.2	2030.1
60°	1087.3	1045.8	980.7	1011.5	1098.1	1202.9	1360.0	1499.1	1605.7	1966.9	2078.9
62.5°	1199.3	1168.6	1009.6	968.1	1044.0	1165.0	1329.3	1499.1	1591.2	1925.4	2064.4
65°	1159.6	1134.3	1020.5	917.5	977.1	1112.6	1282.4	1477.4	1558.7	1873.0	2050.0
67.5°	988.0	962.7	926.6	888.6	913.9	1060.2	1239.0	1437.7	1522.6	1829.6	1990.4
70°	803.7	789.3	776.7	805.5	852.5	980.7	1152.3	1349.2	1450.3	1724.9	1892.9
72.5°	684.5	675.5	653.8	682.7	756.8	874.2	1022.3	1219.2	1340.2	1547.9	1753.8
75°	581.6	576.2	568.9	583.4	630.4	740.5	857.9	1051.2	1197.5	1351.0	1524.4
77.5°	471.4	464.2	480.4	484.1	520.2	599.6	675.5	836.3	998.8	1060.2	1137.9
80°	343.2	350.4	377.5	366.7	393.7	420.8	475.0	545.5	673.7	742.3	747.8
82.5°	240.2	247.4	272.7	245.6	252.9	254.7	274.5	299.8	352.2	410.0	417.2
85°	169.8	173.4	178.8	158.9	158.9	158.9	171.6	186.0	213.1	236.6	242.0
87.5°	121.0	121.0	128.2	121.0	119.2	117.4	124.6	130.0	146.3	162.6	166.2
90°	90.3	90.3	93.9	90.3	90.3	90.3	97.5	103.0	117.4	131.8	133.7
92.5°	65.0	65.0	70.4	68.6	68.6	70.4	77.7	81.3	93.9	108.4	110.2
95°	50.6	50.6	54.2	52.4	52.4	56.0	61.4	65.0	74.1	81.3	83.1
97.5°	36.1	36.1	37.9	37.9	37.9	37.9	41.5	47.0	57.8	57.8	56.0
100°	25.3	25.3	27.1	25.3	25.3	27.1	27.1	30.7	36.1	34.3	34.3
102.5°	18.1	18.1	18.1	18.1	18.1	16.3	16.3	18.1	19.9	18.1	18.1
105°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	10.8
107.5°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	9.0	9.0
110°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	7.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	7.2	7.2
115°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	7.2	7.2
117.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
120°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
122.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
125°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.2	7.2	5.4
127.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
130°	5.4	3.6	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	3.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	986.2	986.2	986.2	986.2	986.2	986.2	986.2	986.2	986.2	986.2	986.2
2.5°	991.6	988.0	977.1	964.5	953.7	944.6	935.6	928.4	926.6	922.9	926.6
5°	1004.2	991.6	966.3	950.0	935.6	921.1	906.7	899.5	894.1	890.4	890.4
7.5°	1009.6	991.6	962.7	941.0	910.3	879.6	861.5	847.1	841.7	847.1	847.1
10°	1000.6	978.9	944.6	912.1	870.6	845.3	820.0	807.4	800.1	800.1	794.7
12.5°	1004.2	978.9	928.4	879.6	845.3	800.1	769.4	755.0	744.1	747.8	747.8
15°	1018.7	984.4	913.9	865.2	805.5	769.4	731.5	722.5	720.7	715.2	711.6
17.5°	1040.4	989.8	910.3	832.6	771.2	727.9	691.8	675.5	666.5	661.1	659.2
20°	1063.8	997.0	899.5	801.9	735.1	679.1	635.8	614.1	606.9	606.9	603.3
22.5°	1103.6	1022.3	890.4	787.5	686.3	630.4	587.0	556.3	541.8	540.0	538.2
25°	1168.6	1071.1	899.5	755.0	657.4	574.4	525.6	498.5	482.2	476.8	476.8
27.5°	1267.9	1137.9	912.1	736.9	597.8	522.0	467.8	426.3	402.8	404.6	406.4
30°	1374.5	1237.2	948.2	708.0	559.9	447.9	382.9	350.4	328.7	321.5	317.9
32.5°	1461.2	1340.2	1000.6	684.5	489.5	357.6	301.6	278.1	254.7	234.8	227.6
35°	1594.8	1426.9	1045.8	650.2	431.7	292.6	243.8	207.7	187.8	178.8	175.2
37.5°	1715.9	1511.8	1080.1	643.0	350.4	251.1	193.3	155.3	135.5	133.7	133.7
40°	1569.6	1405.2	1054.8	585.2	276.3	195.1	139.1	110.2	95.7	88.5	88.5
42.5°	1201.1	1076.5	803.7	487.7	198.7	131.8	88.5	83.1	81.3	74.1	74.1
45°	1006.0	794.7	487.7	254.7	93.9	72.2	63.2	63.2	65.0	70.4	70.4
47.5°	1208.3	939.2	359.4	182.4	92.1	63.2	56.0	50.6	47.0	45.2	45.2
50°	1564.1	1336.6	458.8	216.7	110.2	65.0	50.6	45.2	43.3	41.5	37.9
52.5°	1824.2	1565.9	605.1	330.5	177.0	83.1	50.6	37.9	28.9	25.3	23.5
55°	1981.4	1766.4	713.4	475.0	287.2	139.1	63.2	34.3	25.3	21.7	19.9
57.5°	2066.3	1789.9	803.7	605.1	422.6	247.4	110.2	41.5	25.3	19.9	19.9
60°	2077.1	1793.5	847.1	691.8	538.2	375.7	209.5	81.3	32.5	23.5	21.7
62.5°	2068.1	1762.8	857.9	726.1	608.7	480.4	330.5	160.7	50.6	27.1	25.3
65°	2051.8	1764.6	809.2	695.4	608.7	514.8	382.9	211.3	72.2	30.7	28.9
67.5°	1997.6	1759.2	782.1	628.5	550.9	460.6	343.2	196.9	83.1	37.9	36.1
70°	1887.4	1694.2	765.8	601.5	516.6	410.0	289.0	157.1	93.9	65.0	70.4
72.5°	1762.8	1576.8	749.6	578.0	503.9	408.2	290.8	169.8	126.4	106.6	113.8
75°	1576.8	1372.7	720.7	554.5	496.7	420.8	294.4	160.7	119.2	95.7	93.9
77.5°	1213.7	1141.5	657.4	496.7	451.5	388.3	251.1	122.8	88.5	66.8	65.0
80°	792.9	783.9	513.0	401.0	381.1	343.2	209.5	95.7	70.4	54.2	50.6
82.5°	447.9	429.9	319.7	252.9	269.1	278.1	169.8	72.2	54.2	43.3	39.7
85°	254.7	258.3	186.0	137.3	139.1	164.4	110.2	50.6	34.3	25.3	23.5
87.5°	175.2	180.6	121.0	92.1	83.1	77.7	57.8	30.7	19.9	12.6	9.0
90°	142.7	142.7	90.3	66.8	57.8	50.6	32.5	18.1	14.4	7.2	5.4
92.5°	115.6	121.0	75.9	54.2	45.2	39.7	25.3	12.6	9.0	5.4	3.6
95°	86.7	92.1	61.4	45.2	36.1	30.7	21.7	10.8	7.2	3.6	3.6
97.5°	59.6	59.6	43.3	34.3	28.9	23.5	16.3	9.0	5.4	3.6	3.6
100°	34.3	36.1	25.3	21.7	19.9	18.1	10.8	7.2	3.6	1.8	1.8
102.5°	18.1	18.1	12.6	12.6	10.8	10.8	9.0	5.4	3.6	1.8	1.8
105°	10.8	10.8	9.0	9.0	7.2	7.2	5.4	3.6	1.8	0.0	1.8
107.5°	9.0	9.0	7.2	7.2	5.4	5.4	3.6	3.6	1.8	0.0	0.0
110°	7.2	7.2	5.4	5.4	5.4	3.6	3.6	1.8	1.8	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.2	7.2	5.4	5.4	3.6	3.6	3.6	1.8	1.8	0.0	0.0
115°	7.2	5.4	5.4	3.6	3.6	3.6	1.8	1.8	0.0	0.0	0.0
117.5°	7.2	5.4	3.6	3.6	3.6	1.8	1.8	1.8	0.0	0.0	0.0
120°	7.2	5.4	3.6	3.6	3.6	3.6	1.8	1.8	0.0	0.0	0.0
122.5°	7.2	5.4	3.6	3.6	3.6	1.8	1.8	1.8	0.0	0.0	0.0
125°	5.4	5.4	3.6	3.6	1.8	1.8	1.8	1.8	0.0	0.0	0.0
127.5°	5.4	5.4	3.6	3.6	1.8	1.8	1.8	1.8	0.0	0.0	0.0
130°	5.4	5.4	3.6	3.6	1.8	1.8	1.8	1.8	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	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

(END OF REPORT)