

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: P691443

Luminaire Tested: **CRTK2-C016-5TLD-U-T3-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-5TLD-U-T3-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5513 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (A_{in}): 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

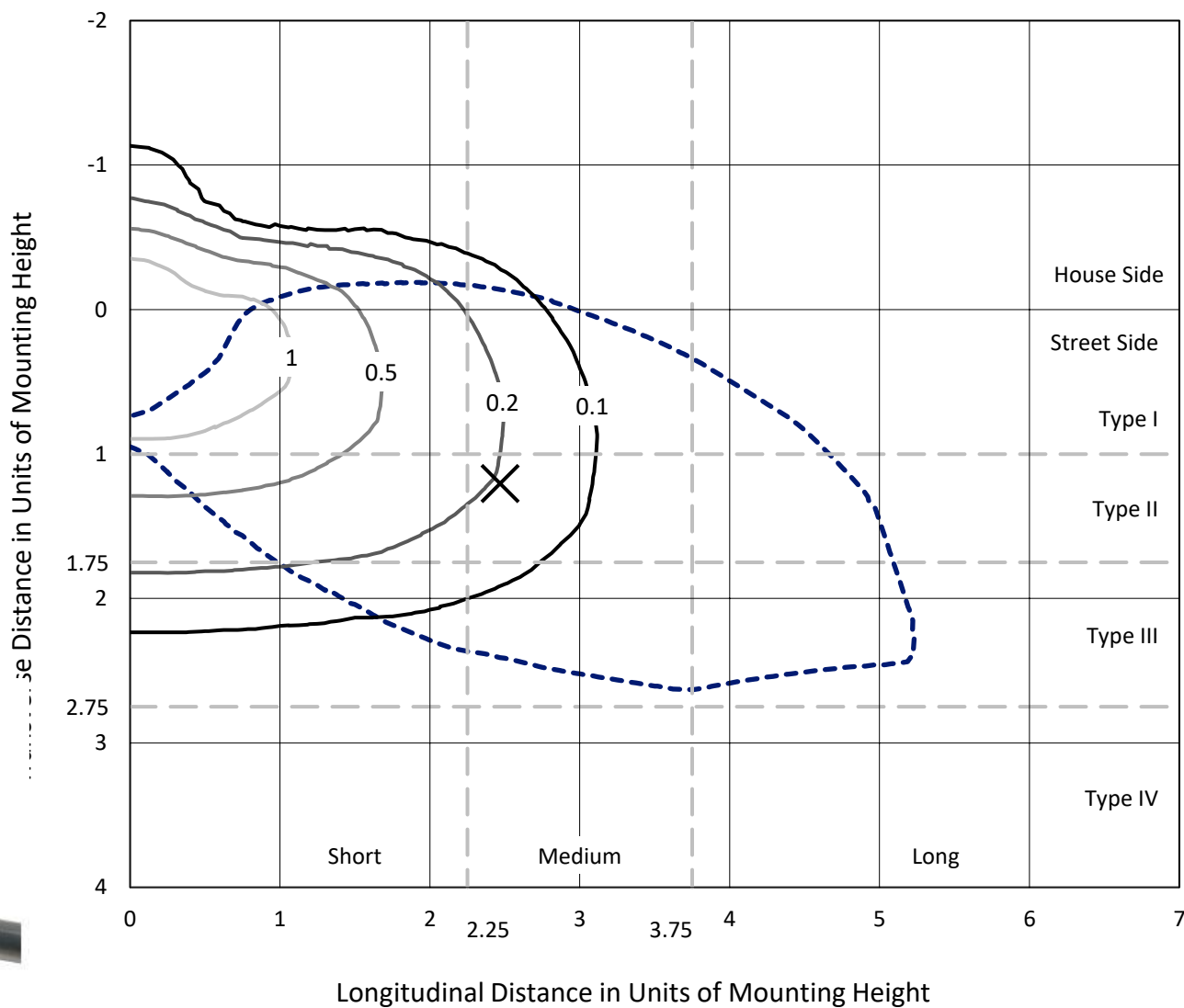


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

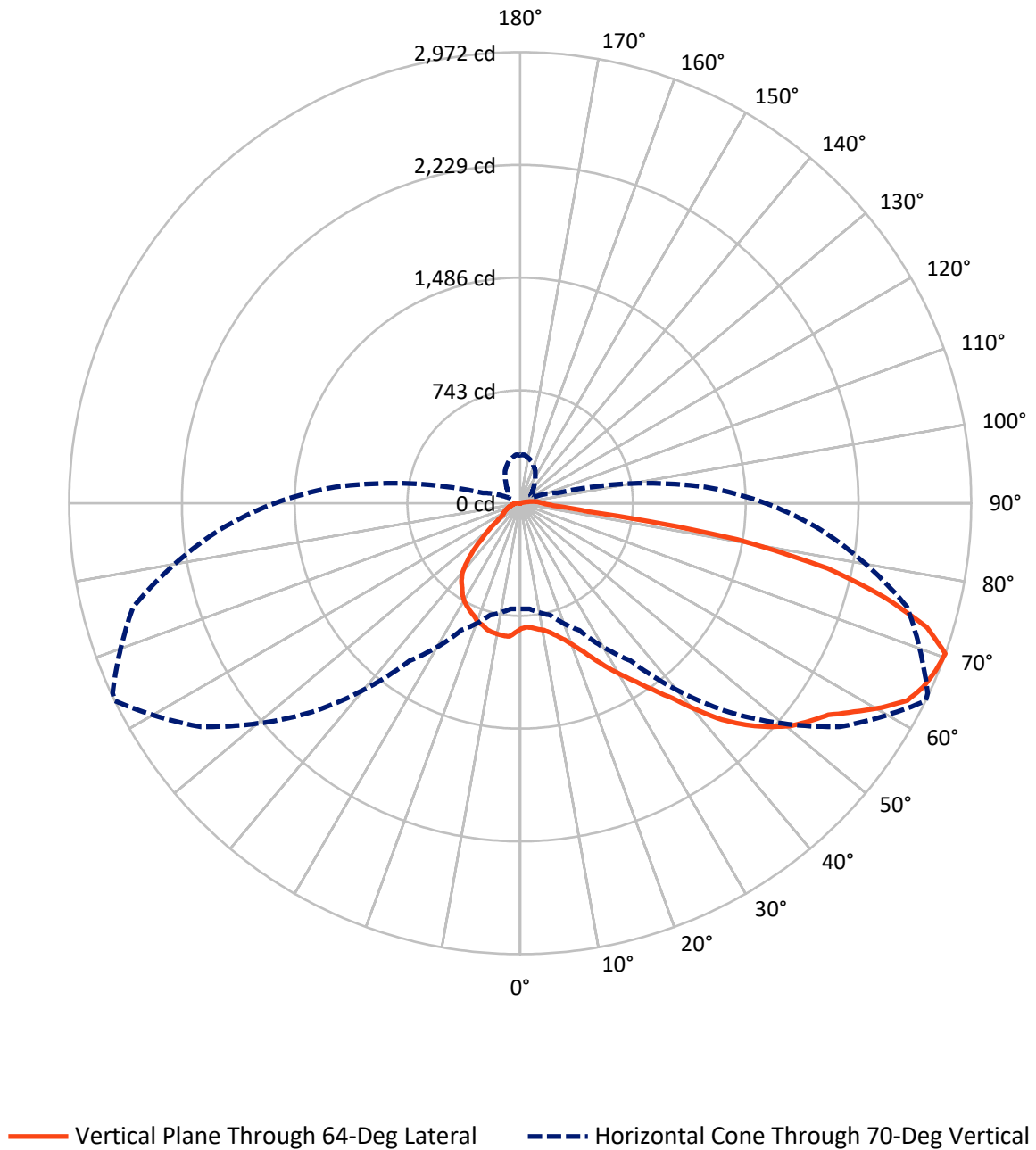
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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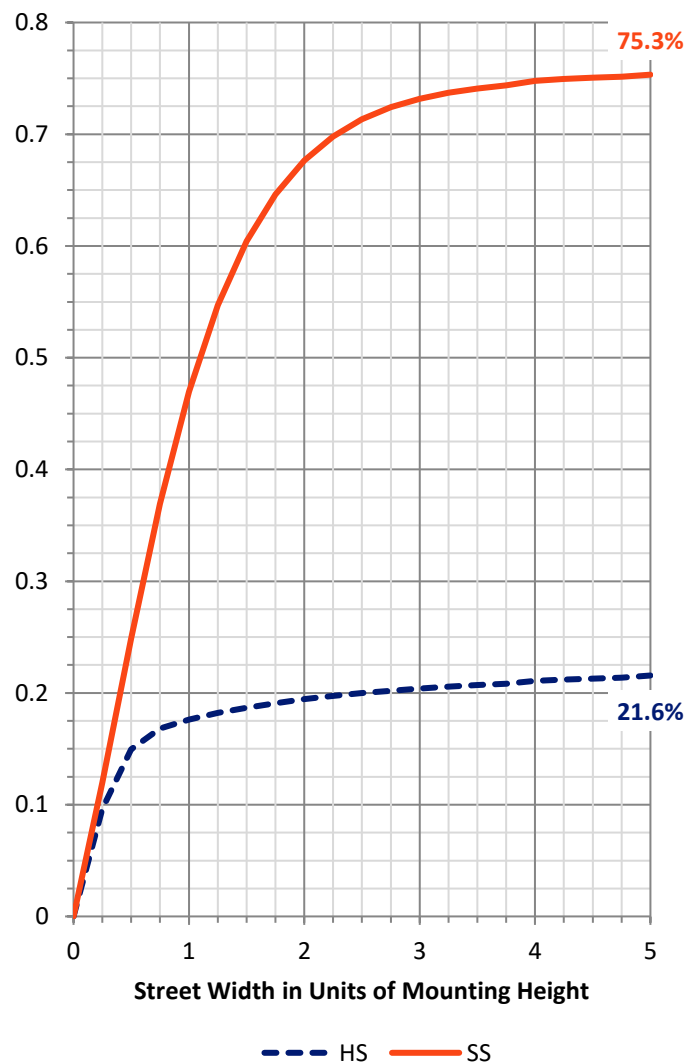
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1256.8	34.0	1290.8
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	4178.2	44.0	4222.1
	% Fixture	75.8	0.8	76.6
Total	Lumens	5435.0	78.0	5513.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.4	1.5
10°-20°	256.7	4.7
20°-30°	445.3	8.1
30°-40°	646.2	11.7
40°-50°	867.2	15.7
50°-60°	1048.5	19.0
60°-70°	1128.6	20.5
70°-80°	775.2	14.1
80°-90°	184.9	3.4
90°-100°	66.9	1.2
100°-110°	8.4	0.2
110°-120°	0.6	0.0
120°-130°	0.6	0.0
130°-140°	0.5	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	5435.0	98.6
0°-180°	5513.0	100.0

Coefficient of Utilization



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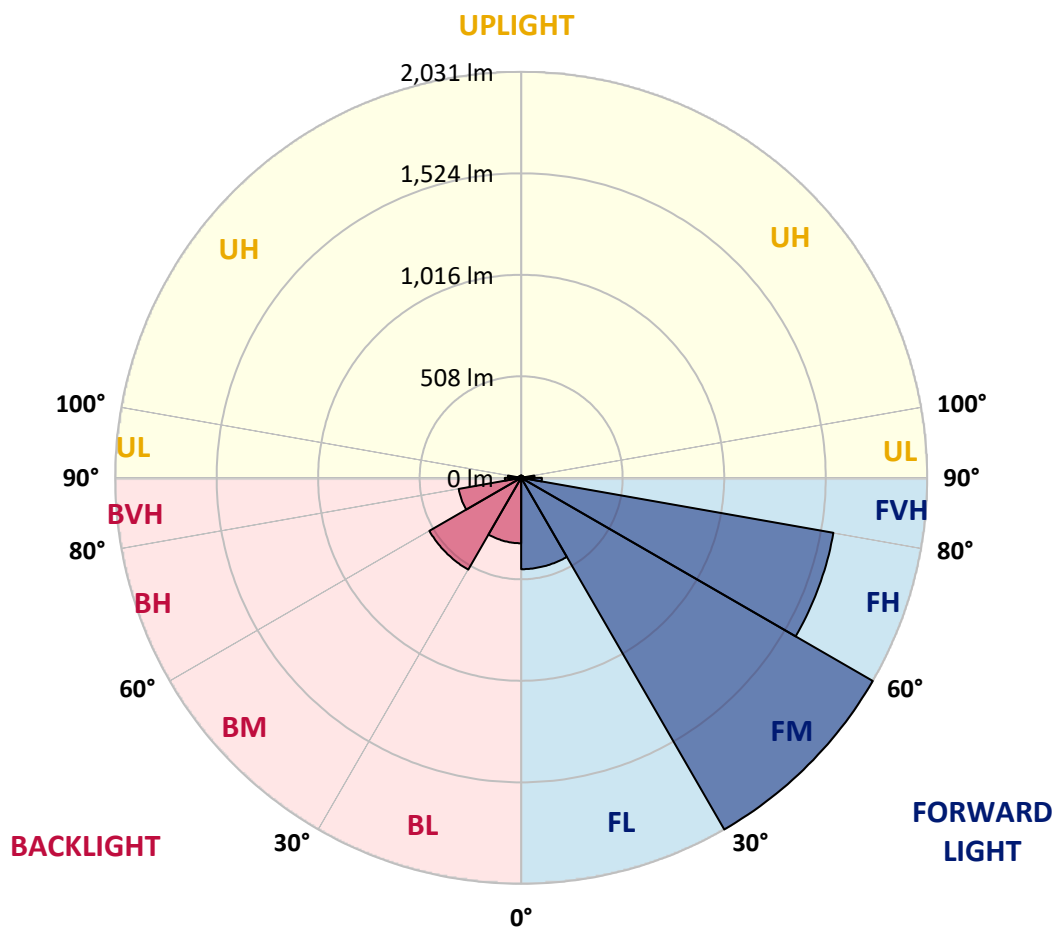
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	457.1	8.3			
FM	(30°-60°)	2031.4	36.8			
FH	(60°-80°)	1586.2	28.8			G1/1800
FVH	(80°-90°)	103.5	1.9			G2/225
BL	(0°-30°)	327.3	5.9	B1/500		
BM	(30°-60°)	530.4	9.6	B1/1000		
BH	(60°-80°)	317.6	5.8	B1/500		G1/500
BVH	(80°-90°)	81.5	1.5			G1/100
UL	(90°-100°)	66.9	1.2		U3/500	
UH	(100°-180°)	11.1	0.2		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	827.4	827.4	827.4	827.4	827.4	827.4	827.4	827.4	827.4	827.4	827.4
2.5°	820.2	820.2	818.3	818.3	820.2	822.0	820.2	818.3	820.2	822.0	827.4
5°	852.7	850.9	849.1	841.8	834.6	829.2	825.6	823.8	825.6	832.8	845.4
7.5°	874.3	872.5	872.5	870.7	863.5	849.1	840.0	838.2	838.2	840.0	856.3
10°	919.5	915.9	908.7	896.0	888.8	870.7	854.5	850.9	850.9	854.5	874.3
12.5°	968.3	961.1	962.9	948.4	926.7	906.9	883.4	874.3	870.7	874.3	885.2
15°	1035.1	1029.7	1015.3	999.0	977.3	950.2	921.3	906.9	905.1	910.5	901.4
17.5°	1083.9	1076.7	1078.5	1055.0	1036.9	1000.8	973.7	946.6	946.6	953.8	930.3
20°	1134.5	1130.9	1136.3	1130.9	1103.8	1071.3	1031.5	999.0	993.6	997.2	962.9
22.5°	1199.5	1194.1	1194.1	1195.9	1174.2	1141.7	1094.7	1062.2	1060.4	1046.0	999.0
25°	1266.4	1260.9	1259.1	1262.7	1259.1	1221.2	1172.4	1139.9	1134.5	1114.6	1047.8
27.5°	1329.6	1329.6	1331.4	1335.0	1340.4	1309.7	1262.7	1226.6	1226.6	1204.9	1112.8
30°	1376.6	1376.6	1392.8	1400.0	1405.5	1398.2	1347.7	1313.3	1316.9	1288.0	1186.9
32.5°	1419.9	1421.7	1439.8	1457.8	1463.3	1468.7	1425.3	1403.7	1403.7	1376.6	1266.4
35°	1463.3	1463.3	1488.6	1524.7	1542.8	1537.3	1517.5	1510.2	1512.0	1506.6	1383.8
37.5°	1497.6	1501.2	1539.1	1584.3	1609.6	1618.6	1607.8	1631.3	1652.9	1669.2	1537.3
40°	1531.9	1531.9	1568.0	1616.8	1662.0	1687.3	1701.7	1790.2	1806.5	1811.9	1624.0
42.5°	1495.8	1504.8	1580.7	1652.9	1710.8	1754.1	1819.1	1951.0	1970.9	1909.5	1741.5
45°	1461.5	1472.3	1548.2	1669.2	1752.3	1839.0	1951.0	2084.7	2101.0	2008.8	1811.9
47.5°	1427.1	1439.8	1522.9	1654.8	1790.2	1933.0	2054.0	2202.1	2209.4	2090.1	1891.4
50°	1391.0	1403.7	1492.2	1638.5	1813.7	2028.7	2157.0	2308.7	2308.7	2162.4	1938.4
52.5°	1345.8	1360.3	1450.6	1613.2	1831.8	2093.7	2250.9	2386.4	2371.9	2249.1	1990.8
55°	1288.0	1307.9	1403.7	1577.1	1839.0	2128.1	2310.5	2462.3	2458.6	2355.7	2057.6
57.5°	1226.6	1242.9	1345.8	1530.1	1831.8	2151.5	2373.7	2594.1	2599.6	2447.8	2110.0
60°	1158.0	1168.8	1268.2	1465.1	1784.8	2193.1	2516.5	2735.0	2742.3	2532.7	2129.9
62.5°	1067.6	1074.9	1168.8	1376.6	1721.6	2220.2	2619.4	2863.3	2859.7	2608.6	2133.5
65°	953.8	962.9	1051.4	1259.1	1627.7	2202.1	2644.7	2919.3	2922.9	2644.7	2128.1
67.5°	843.6	849.1	923.1	1103.8	1475.9	2115.4	2619.4	2951.8	2968.1	2675.4	2075.7
70°	697.3	699.1	764.2	924.9	1266.4	1949.2	2568.8	2971.7	2962.7	2639.3	1985.3
72.5°	536.5	538.3	587.1	708.1	984.5	1660.2	2390.0	2803.7	2787.4	2440.6	1790.2
75°	381.2	388.4	417.3	496.8	659.4	1212.2	2045.0	2482.1	2493.0	2171.4	1492.2
77.5°	216.8	224.0	247.5	310.7	379.4	679.2	1544.6	2070.3	2077.5	1826.4	1145.3
80°	93.9	95.7	104.8	148.1	202.3	325.2	791.2	1450.6	1555.4	1241.1	654.0
82.5°	79.5	79.5	83.1	86.7	88.5	148.1	307.1	449.8	464.3	366.7	213.2
85°	68.6	68.6	72.3	75.9	77.7	101.2	186.1	225.8	234.8	209.6	149.9
87.5°	54.2	54.2	59.6	63.2	63.2	83.1	139.1	168.0	173.4	168.0	133.7
90°	48.8	48.8	47.0	47.0	48.8	59.6	108.4	140.9	146.3	178.8	153.6
92.5°	41.5	43.4	43.4	43.4	37.9	43.4	77.7	124.6	135.5	177.0	139.1
95°	41.5	39.7	39.7	37.9	36.1	37.9	57.8	108.4	121.0	153.6	117.4
97.5°	28.9	27.1	28.9	30.7	32.5	34.3	48.8	79.5	88.5	119.2	86.7
100°	18.1	18.1	18.1	18.1	21.7	23.5	39.7	48.8	54.2	75.9	57.8
102.5°	10.8	9.0	9.0	9.0	10.8	14.5	19.9	27.1	28.9	43.4	34.3
105°	3.6	3.6	3.6	3.6	5.4	7.2	7.2	10.8	10.8	14.5	14.5
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	1.8	1.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	1.8	1.8
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
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°	827.4	827.4	827.4	827.4	827.4	827.4	827.4	827.4	827.4	827.4	827.4
2.5°	831.0	834.6	841.8	850.9	861.7	870.7	878.0	879.8	883.4	883.4	887.0
5°	849.1	856.3	867.1	879.8	885.2	881.6	881.6	883.4	887.0	896.0	899.6
7.5°	868.9	874.3	874.3	879.8	890.6	887.0	885.2	883.4	883.4	879.8	885.2
10°	876.2	868.9	878.0	876.2	872.5	879.8	881.6	870.7	872.5	872.5	874.3
12.5°	878.0	878.0	870.7	870.7	870.7	854.5	850.9	859.9	850.9	854.5	852.7
15°	897.8	883.4	874.3	863.5	849.1	843.6	831.0	816.5	816.5	820.2	820.2
17.5°	912.3	897.8	870.7	841.8	836.4	811.1	802.1	798.5	796.7	798.5	802.1
20°	934.0	912.3	867.1	838.2	791.2	782.2	766.0	764.2	760.5	747.9	744.3
22.5°	962.9	928.5	865.3	807.5	769.6	738.9	710.0	691.9	690.1	681.1	675.6
25°	995.4	961.1	872.5	793.1	729.8	684.7	661.2	619.6	599.8	607.0	603.4
27.5°	1062.2	999.0	885.2	773.2	697.3	626.9	572.7	547.4	522.1	522.1	525.7
30°	1123.6	1047.8	885.2	755.1	643.1	558.2	487.8	448.0	437.2	429.9	426.3
32.5°	1215.8	1109.2	923.1	729.8	592.5	469.7	390.2	343.2	345.0	352.3	350.5
35°	1322.4	1206.7	934.0	693.7	518.5	381.2	301.7	276.4	290.8	294.5	294.5
37.5°	1450.6	1326.0	982.7	664.8	440.8	281.8	238.5	227.6	240.3	238.5	245.7
40°	1521.1	1383.8	1024.3	628.7	337.8	207.7	184.3	177.0	196.9	213.2	216.8
42.5°	1620.4	1452.4	1064.0	560.0	229.4	151.7	140.9	164.4	193.3	211.4	213.2
45°	1674.6	1492.2	1047.8	475.1	146.3	122.8	137.3	166.2	196.9	215.0	216.8
47.5°	1739.7	1544.6	1018.9	370.3	117.4	121.0	139.1	169.8	202.3	218.6	218.6
50°	1804.7	1596.9	948.4	290.8	110.2	119.2	142.7	171.6	200.5	211.4	211.4
52.5°	1842.6	1642.1	865.3	211.4	108.4	119.2	144.5	173.4	198.7	204.1	204.1
55°	1877.0	1645.7	793.1	157.2	106.6	121.0	146.3	177.0	200.5	205.9	204.1
57.5°	1896.8	1622.2	742.5	135.5	104.8	121.0	148.1	180.7	215.0	227.6	224.0
60°	1886.0	1586.1	704.5	126.5	103.0	121.0	149.9	191.5	272.8	294.5	287.2
62.5°	1867.9	1560.8	625.0	115.6	99.4	121.0	151.7	216.8	303.5	314.3	305.3
65°	1844.4	1486.8	534.7	104.8	95.7	119.2	153.6	234.8	289.0	289.0	287.2
67.5°	1746.9	1387.4	399.2	93.9	90.3	119.2	157.2	231.2	278.2	301.7	301.7
70°	1616.8	1221.2	263.7	83.1	84.9	115.6	164.4	234.8	287.2	319.8	316.1
72.5°	1369.3	1013.4	146.3	72.3	77.7	113.8	164.4	249.3	310.7	346.8	341.4
75°	1118.2	749.7	104.8	65.0	70.5	110.2	166.2	258.3	332.4	370.3	361.3
77.5°	787.6	429.9	83.1	56.0	63.2	104.8	164.4	254.7	343.2	377.6	366.7
80°	332.4	155.4	68.6	50.6	54.2	93.9	151.7	243.9	343.2	399.2	393.8
82.5°	149.9	110.2	59.6	45.2	50.6	77.7	140.9	234.8	332.4	401.0	433.6
85°	117.4	90.3	50.6	39.7	45.2	74.1	126.5	224.0	317.9	370.3	406.5
87.5°	112.0	90.3	45.2	36.1	41.5	63.2	97.6	207.7	285.4	341.4	370.3
90°	121.0	93.9	36.1	30.7	37.9	56.0	79.5	175.2	247.5	299.9	299.9
92.5°	112.0	86.7	27.1	23.5	39.7	45.2	75.9	108.4	178.8	149.9	186.1
95°	93.9	72.3	18.1	16.3	37.9	37.9	41.5	50.6	124.6	3.6	0.0
97.5°	68.6	52.4	10.8	9.0	28.9	30.7	19.9	23.5	50.6	0.0	0.0
100°	50.6	34.3	7.2	7.2	18.1	25.3	12.6	12.6	0.0	0.0	0.0
102.5°	27.1	18.1	5.4	3.6	9.0	14.5	5.4	3.6	0.0	0.0	0.0
105°	14.5	7.2	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
107.5°	3.6	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.8	1.8	1.8	1.8	1.8	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°
112.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
120°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
122.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
130°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
132.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
135°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.8	1.8	1.8	1.8	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)