

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: P691408

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691408
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)
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
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5362.9 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - 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

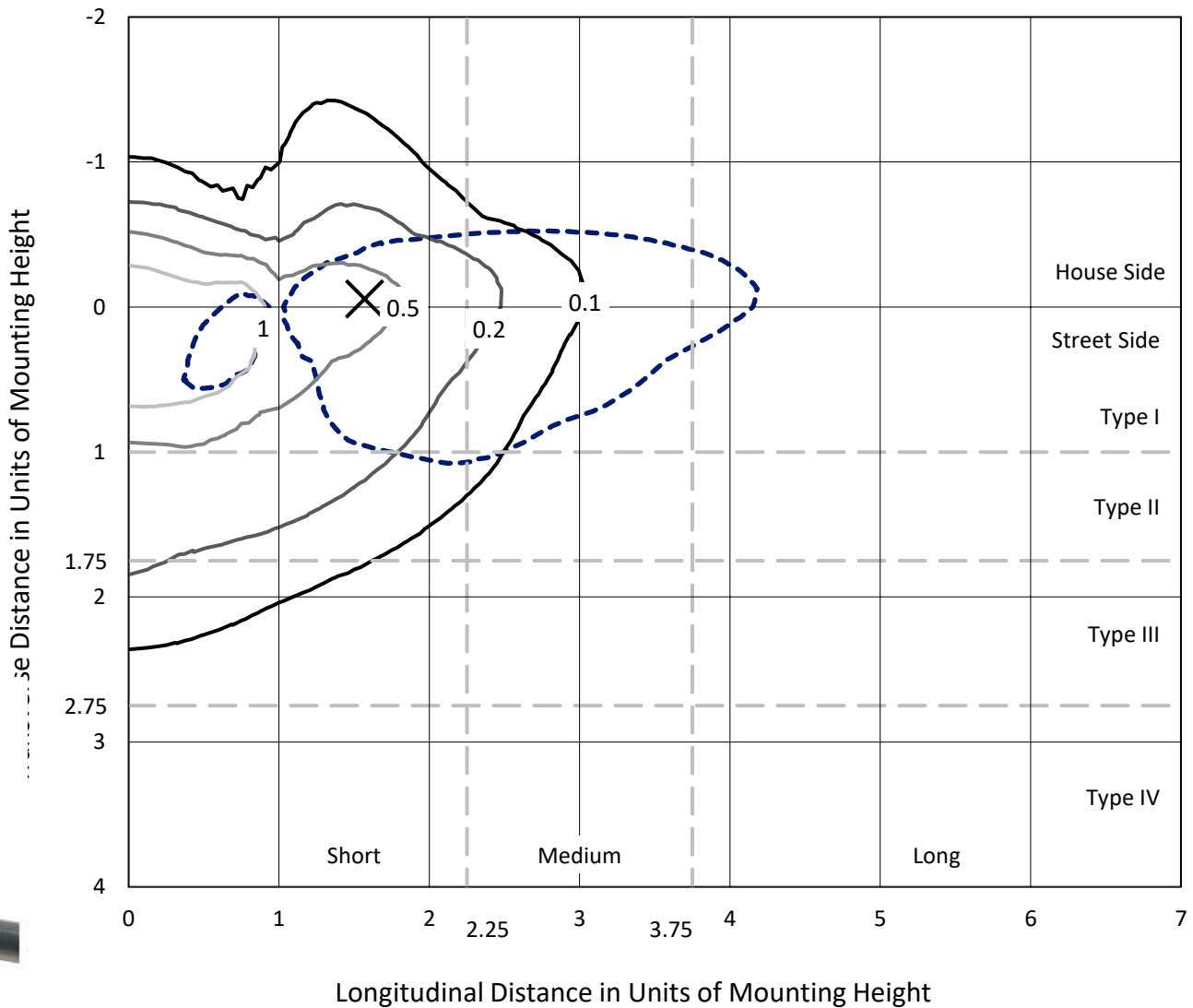


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

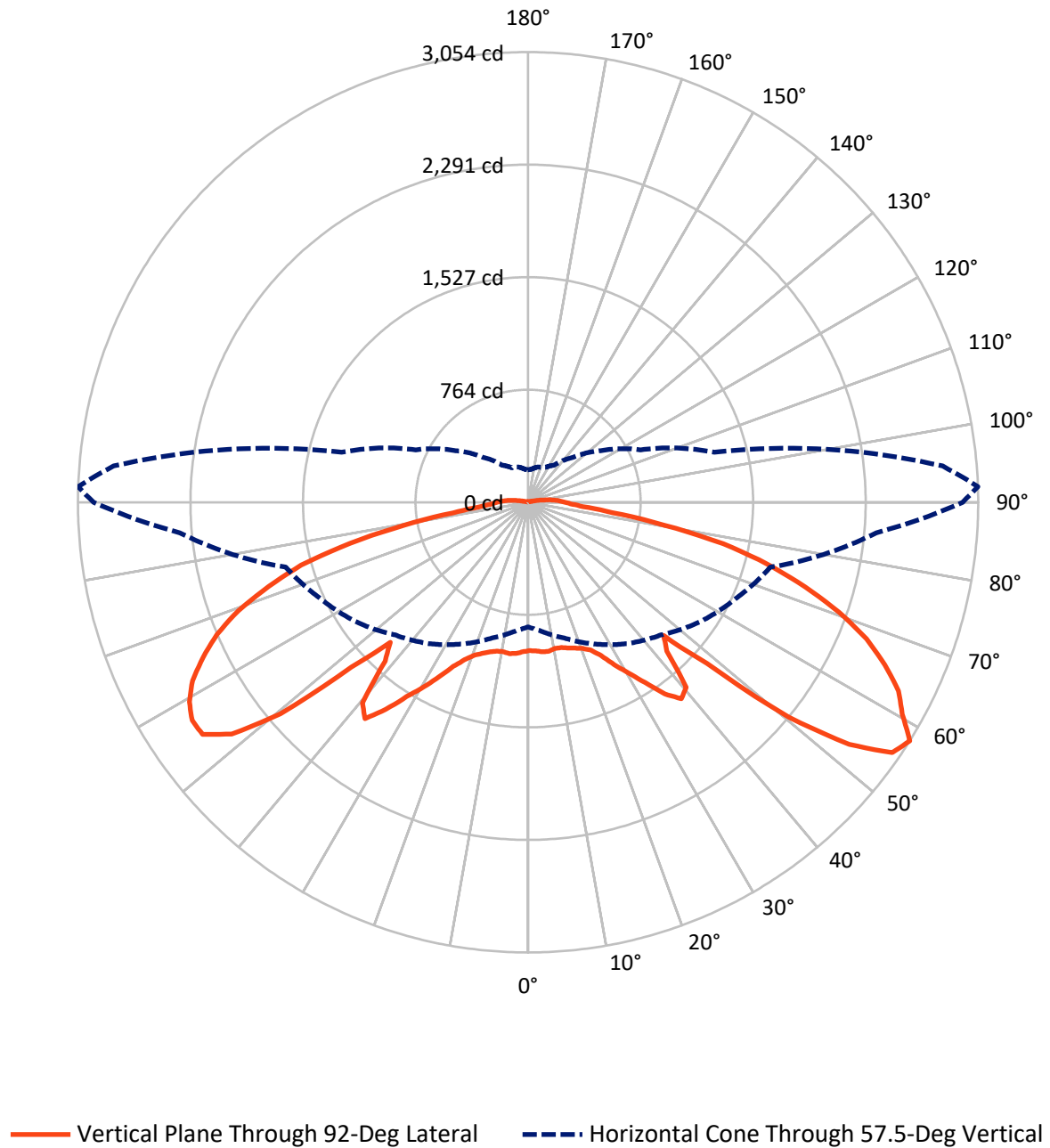


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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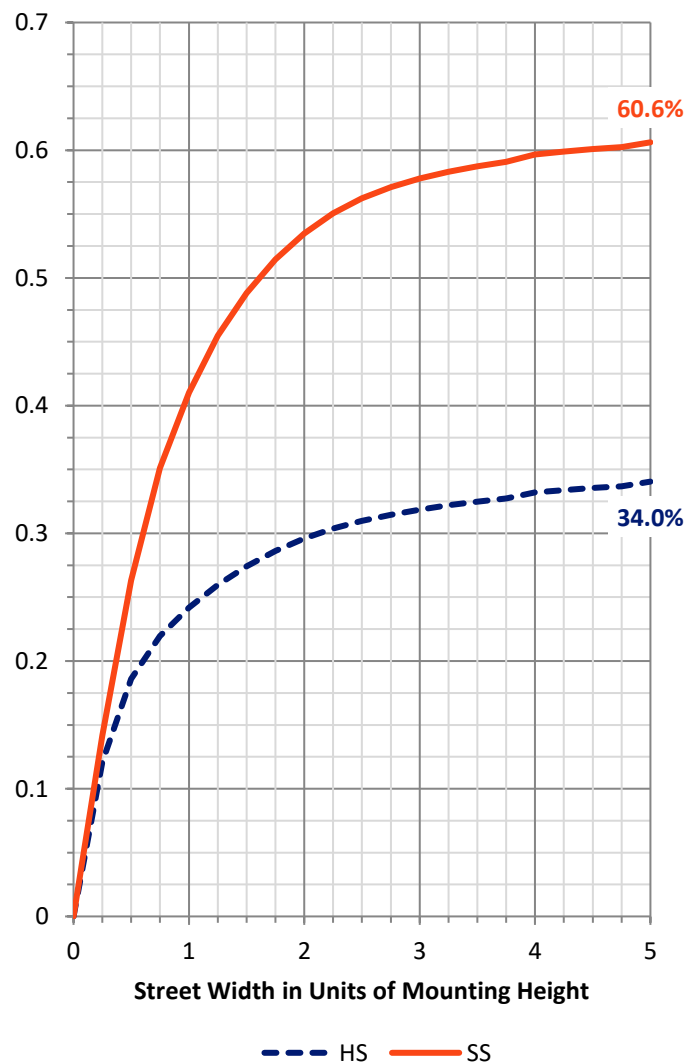
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1913.6	83.6	1997.1
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	3297.6	68.2	3365.8
	% Fixture	61.5	1.3	62.8
Total	Lumens	5211.1	151.8	5362.9
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.5	1.8
10°-20°	284.2	5.3
20°-30°	471.3	8.8
30°-40°	652.3	12.2
40°-50°	609.1	11.4
50°-60°	910.2	17.0
60°-70°	1081.2	20.2
70°-80°	793.5	14.8
80°-90°	312.8	5.8
90°-100°	110.2	2.1
100°-110°	26.1	0.5
110°-120°	10.0	0.2
120°-130°	5.1	0.1
130°-140°	0.5	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°	5211.1	97.2
0°-180°	5362.9	100.0

Coefficient of Utilization



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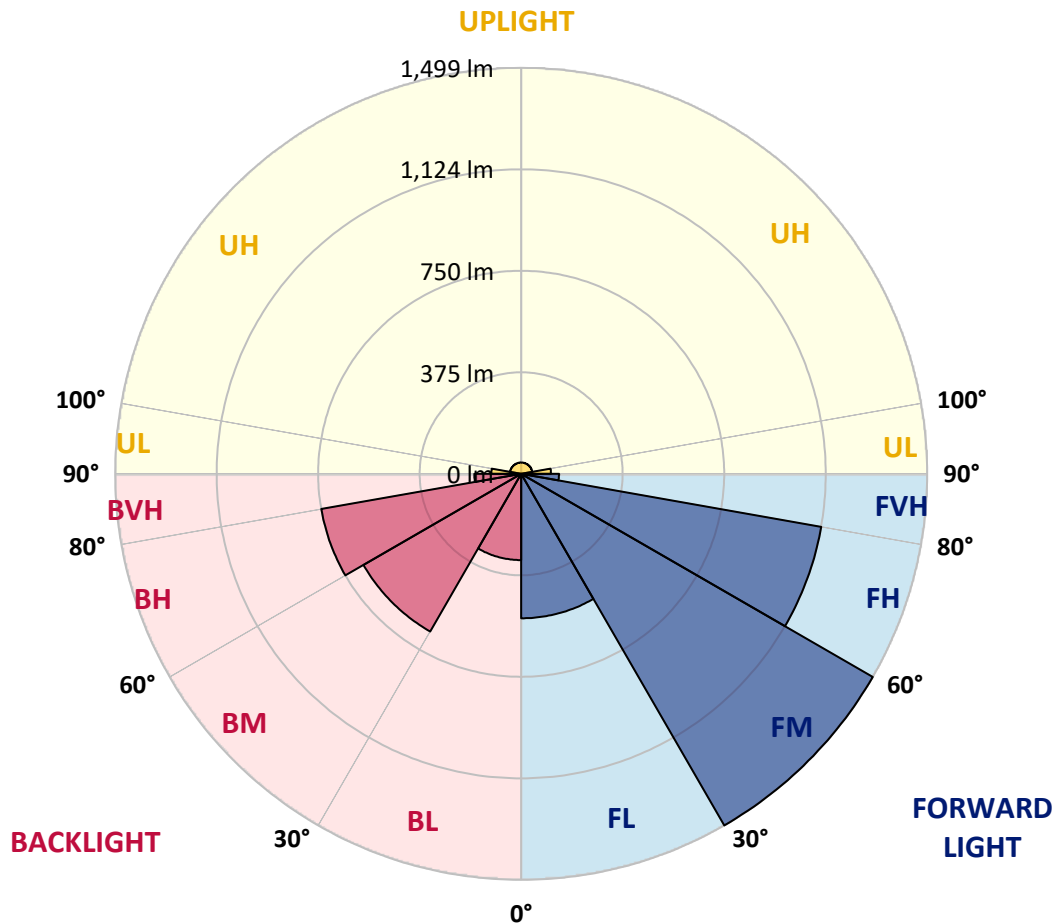
CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-8027-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	533.5	9.9			
FM	(30°-60°)	1499.2	28.0			
FH	(60°-80°)	1125.1	21.0			G1/1800
FVH	(80°-90°)	139.8	2.6			G2/225
BL	(0°-30°)	318.5	5.9	B1/500		
BM	(30°-60°)	672.4	12.5	B1/1000		
BH	(60°-80°)	749.6	14.0	B2/1000		G2/1000
BVH	(80°-90°)	173.0	3.2			G2/225
UL	(90°-100°)	110.2	2.1		U3/500	
UH	(100°-180°)	41.6	0.8		U2/50	

BUG Rating: B2-U3-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0
2.5°	1049.4	1042.1	1043.9	1042.1	1038.5	1034.9	1031.3	1027.7	1022.3	1016.8	1013.2
5°	1110.8	1103.5	1103.5	1103.5	1096.3	1085.5	1071.0	1062.0	1049.4	1034.9	1024.1
7.5°	1152.3	1146.9	1145.1	1143.3	1134.2	1127.0	1110.8	1081.9	1062.0	1043.9	1027.7
10°	1166.8	1166.8	1165.0	1159.5	1150.5	1141.5	1130.6	1103.5	1071.0	1040.3	1018.7
12.5°	1193.8	1197.5	1192.0	1183.0	1179.4	1168.6	1152.3	1130.6	1094.5	1047.6	1022.3
15°	1235.4	1233.6	1226.4	1224.6	1220.9	1208.3	1193.8	1166.8	1125.2	1065.6	1036.7
17.5°	1253.5	1251.6	1251.6	1251.6	1251.6	1242.6	1240.8	1210.1	1166.8	1094.5	1058.4
20°	1257.1	1257.1	1262.5	1275.1	1276.9	1275.1	1284.2	1264.3	1213.7	1130.6	1081.9
22.5°	1280.5	1282.3	1291.4	1304.0	1313.1	1316.7	1323.9	1332.9	1286.0	1188.4	1127.0
25°	1267.9	1276.9	1296.8	1316.7	1338.3	1351.0	1390.7	1421.4	1381.7	1273.3	1190.2
27.5°	1246.2	1253.5	1293.2	1329.3	1378.1	1430.5	1488.2	1528.0	1504.5	1378.1	1291.4
30°	1266.1	1266.1	1291.4	1351.0	1414.2	1509.9	1594.8	1638.2	1627.3	1488.2	1408.8
32.5°	1224.6	1235.4	1289.6	1376.3	1472.0	1596.6	1683.3	1764.6	1775.4	1630.9	1502.7
35°	1101.7	1125.2	1161.3	1275.1	1437.7	1654.4	1788.1	1891.0	1936.2	1793.5	1643.6
37.5°	910.3	919.3	995.2	1109.0	1302.2	1517.1	1748.3	1999.4	2093.3	1916.3	1784.5
40°	803.7	809.1	857.9	957.2	1119.8	1331.1	1526.2	1784.5	1858.5	1840.4	1715.8
42.5°	767.6	776.6	834.4	930.2	1067.4	1213.7	1264.3	1376.3	1347.4	1425.0	1464.8
45°	811.0	816.4	857.9	941.0	1027.7	1090.9	1054.8	1134.2	1174.0	1327.5	1336.5
47.5°	841.7	845.3	890.4	995.2	1009.6	1011.4	1060.2	1107.2	1217.3	1549.7	1697.8
50°	722.5	740.5	827.2	917.5	924.7	1067.4	1206.5	1300.4	1435.9	2040.9	2324.5
52.5°	670.1	679.1	773.0	930.2	1034.9	1201.1	1300.4	1394.3	1524.4	2254.0	2752.5
55°	735.1	749.5	861.5	1036.7	1141.5	1255.3	1379.9	1495.5	1623.7	2364.2	2944.0
57.5°	845.3	872.4	953.6	1060.2	1170.4	1273.3	1417.8	1551.5	1701.4	2371.4	2947.6
60°	1063.8	1043.9	998.8	1045.7	1152.3	1269.7	1435.9	1578.6	1744.7	2369.6	2864.5
62.5°	1213.7	1184.8	1034.9	1013.2	1112.6	1231.8	1396.1	1574.9	1735.7	2290.2	2770.6
65°	1184.8	1165.0	1049.4	969.9	1042.1	1170.4	1342.0	1553.3	1692.3	2205.3	2600.8
67.5°	1022.3	998.8	950.0	919.3	955.4	1105.3	1291.4	1509.9	1641.8	2107.7	2414.8
70°	834.4	821.8	805.5	838.0	883.2	1024.1	1199.3	1416.0	1546.0	1921.7	2216.1
72.5°	708.0	700.8	680.9	715.2	791.1	917.5	1063.8	1280.5	1426.8	1670.7	1970.5
75°	596.0	597.8	587.0	608.7	657.4	782.1	897.6	1109.0	1271.5	1434.1	1705.0
77.5°	489.5	484.0	494.9	507.5	540.0	630.3	708.0	892.2	1085.5	1137.9	1307.6
80°	357.6	366.6	386.5	384.7	411.8	451.5	503.9	601.4	762.2	814.6	879.6
82.5°	252.9	263.7	281.8	261.9	265.5	276.3	299.8	345.0	429.9	482.2	536.4
85°	178.8	184.2	187.8	173.4	173.4	180.6	196.9	229.4	281.8	314.3	343.2
87.5°	130.0	131.8	139.1	131.8	133.7	137.3	151.7	173.4	216.7	240.2	263.7
90°	99.3	99.3	102.9	101.1	104.8	112.0	126.4	144.5	177.0	205.9	227.6
92.5°	72.2	72.2	75.9	77.7	79.5	88.5	101.1	115.6	137.3	173.4	195.1
95°	56.0	56.0	59.6	59.6	61.4	68.6	79.5	93.9	110.2	135.5	155.3
97.5°	41.5	41.5	45.2	45.2	47.0	52.4	61.4	70.4	84.9	101.1	110.2
100°	32.5	32.5	34.3	34.3	36.1	41.5	47.0	52.4	56.0	65.0	68.6
102.5°	27.1	27.1	27.1	27.1	27.1	30.7	32.5	32.5	34.3	39.7	41.5
105°	21.7	21.7	21.7	19.9	19.9	21.7	21.7	21.7	23.5	23.5	25.3
107.5°	16.3	16.3	16.3	16.3	16.3	18.1	18.1	18.1	18.1	19.9	19.9
110°	14.4	14.4	14.4	14.4	14.4	14.4	16.3	16.3	16.3	16.3	16.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	12.6	12.6	12.6	12.6	12.6	12.6	14.4	14.4	14.4	14.4	14.4
115°	10.8	10.8	10.8	10.8	10.8	12.6	14.4	12.6	12.6	12.6	12.6
117.5°	9.0	9.0	9.0	10.8	10.8	10.8	12.6	10.8	10.8	10.8	12.6
120°	7.2	7.2	9.0	9.0	9.0	9.0	9.0	9.0	10.8	10.8	10.8
122.5°	7.2	7.2	7.2	7.2	7.2	9.0	9.0	9.0	9.0	9.0	10.8
125°	5.4	5.4	5.4	7.2	7.2	7.2	7.2	7.2	7.2	9.0	9.0
127.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.2	7.2	7.2
130°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0
2.5°	1009.6	1009.6	998.8	988.0	977.1	966.3	957.2	951.8	944.6	946.4	946.4
5°	1018.7	1013.2	989.8	975.3	959.1	944.6	930.2	917.5	913.9	912.1	904.9
7.5°	1020.5	1011.4	986.1	964.5	933.8	899.5	883.2	868.7	859.7	866.9	863.3
10°	1007.8	997.0	968.1	935.6	892.2	863.3	838.0	823.6	816.4	818.2	816.4
12.5°	1011.4	998.8	951.8	903.1	866.9	818.2	787.5	774.8	765.8	765.8	760.4
15°	1025.9	1004.2	937.4	886.8	827.2	785.7	749.5	740.5	736.9	733.3	727.9
17.5°	1040.3	1009.6	935.6	857.9	791.1	745.9	709.8	693.6	684.5	684.5	682.7
20°	1058.4	1020.5	924.7	827.2	756.8	697.2	653.8	639.4	632.1	630.3	626.7
22.5°	1089.1	1049.4	919.3	814.6	711.6	650.2	608.7	581.6	567.1	565.3	565.3
25°	1150.5	1101.7	930.2	780.2	680.9	601.4	550.9	523.8	507.5	507.5	505.7
27.5°	1248.0	1170.4	946.4	767.6	623.1	549.1	496.7	455.1	440.7	440.7	442.5
30°	1343.8	1275.1	988.0	740.5	590.6	480.4	417.2	386.5	368.4	361.2	363.0
32.5°	1457.5	1385.3	1045.7	722.5	525.6	399.2	341.4	325.1	298.0	290.8	285.4
35°	1596.6	1491.9	1110.8	697.2	475.0	339.6	292.6	260.1	247.4	238.4	236.6
37.5°	1690.5	1598.4	1168.6	702.6	404.6	307.0	254.7	220.3	207.7	209.5	209.5
40°	1650.8	1544.2	1183.0	666.5	345.0	267.3	213.1	193.3	186.0	187.8	189.6
42.5°	1379.9	1323.9	978.9	596.0	285.4	214.9	178.8	178.8	184.2	178.8	178.8
45°	1289.6	1148.7	711.6	419.0	214.9	177.0	169.8	175.2	187.8	187.8	187.8
47.5°	1632.7	1473.8	637.6	350.4	240.2	198.7	184.2	175.2	177.0	175.2	175.2
50°	2290.2	2040.9	856.1	437.1	290.8	236.6	209.5	191.4	191.4	187.8	184.2
52.5°	2727.2	2465.4	1042.1	547.3	364.8	276.3	240.2	207.7	196.9	189.6	187.8
55°	2998.2	2799.5	1202.9	700.8	475.0	328.7	267.3	233.0	216.7	202.3	200.5
57.5°	3054.2	2823.0	1309.4	841.7	612.3	431.7	307.0	258.3	247.4	224.0	220.3
60°	2916.9	2763.4	1351.0	933.8	731.5	568.9	401.0	299.8	276.3	260.1	256.5
62.5°	2821.2	2644.2	1336.5	964.5	805.5	682.7	527.4	368.4	301.6	303.4	319.7
65°	2660.4	2541.2	1230.0	919.3	801.9	720.6	592.4	426.2	310.7	307.0	326.9
67.5°	2476.2	2382.3	1123.4	820.0	738.7	668.3	550.9	406.4	294.4	276.3	278.1
70°	2239.6	2160.1	1015.0	764.0	680.9	592.4	478.6	352.2	290.8	261.9	261.9
72.5°	1966.9	1873.0	924.7	722.5	650.2	568.9	458.8	339.6	312.5	301.6	310.7
75°	1677.9	1558.7	854.3	682.7	628.5	568.9	456.9	339.6	312.5	303.4	303.4
77.5°	1352.8	1282.3	778.4	619.5	585.2	541.8	420.8	316.1	307.0	303.4	303.4
80°	935.6	924.7	633.9	538.2	529.2	512.9	395.5	305.2	305.2	299.8	292.6
82.5°	574.3	547.3	453.3	402.8	433.5	456.9	359.4	287.2	279.9	274.5	270.9
85°	372.1	373.9	317.9	281.8	299.8	348.6	303.4	260.1	249.2	252.9	252.9
87.5°	285.4	294.4	249.2	229.4	225.8	236.6	238.4	233.0	225.8	220.3	222.2
90°	245.6	249.2	200.5	184.2	182.4	186.0	186.0	196.9	196.9	178.8	168.0
92.5°	205.9	211.3	166.2	149.9	149.9	155.3	158.9	158.9	144.5	117.4	104.8
95°	162.6	166.2	131.8	119.2	121.0	121.0	119.2	113.8	88.5	52.4	47.0
97.5°	113.8	115.6	97.5	90.3	92.1	88.5	77.7	70.4	54.2	30.7	28.9
100°	72.2	74.1	61.4	59.6	65.0	57.8	50.6	47.0	32.5	19.9	23.5
102.5°	43.3	43.3	37.9	36.1	39.7	34.3	30.7	25.3	19.9	12.6	16.3
105°	25.3	25.3	23.5	23.5	23.5	21.7	19.9	16.3	10.8	9.0	9.0
107.5°	19.9	19.9	18.1	18.1	16.3	16.3	14.4	10.8	7.2	5.4	5.4
110°	16.3	16.3	14.4	14.4	14.4	12.6	10.8	9.0	5.4	3.6	3.6

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

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.4	14.4	12.6	12.6	10.8	10.8	9.0	7.2	5.4	3.6	3.6
115°	12.6	12.6	10.8	9.0	9.0	9.0	7.2	5.4	3.6	1.8	3.6
117.5°	12.6	12.6	9.0	7.2	7.2	7.2	5.4	5.4	3.6	1.8	1.8
120°	10.8	10.8	7.2	7.2	5.4	5.4	5.4	3.6	1.8	1.8	1.8
122.5°	9.0	9.0	7.2	5.4	5.4	5.4	3.6	3.6	1.8	1.8	1.8
125°	9.0	9.0	5.4	5.4	5.4	3.6	3.6	3.6	1.8	0.0	0.0
127.5°	7.2	7.2	5.4	5.4	3.6	3.6	3.6	1.8	1.8	0.0	0.0
130°	5.4	5.4	5.4	5.4	3.6	3.6	3.6	1.8	1.8	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)