

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: P691500

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691500
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-D-U-T2-8027-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5105 lumens
Efficiency: N/A
Efficacy: 122.7 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): 41.6
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

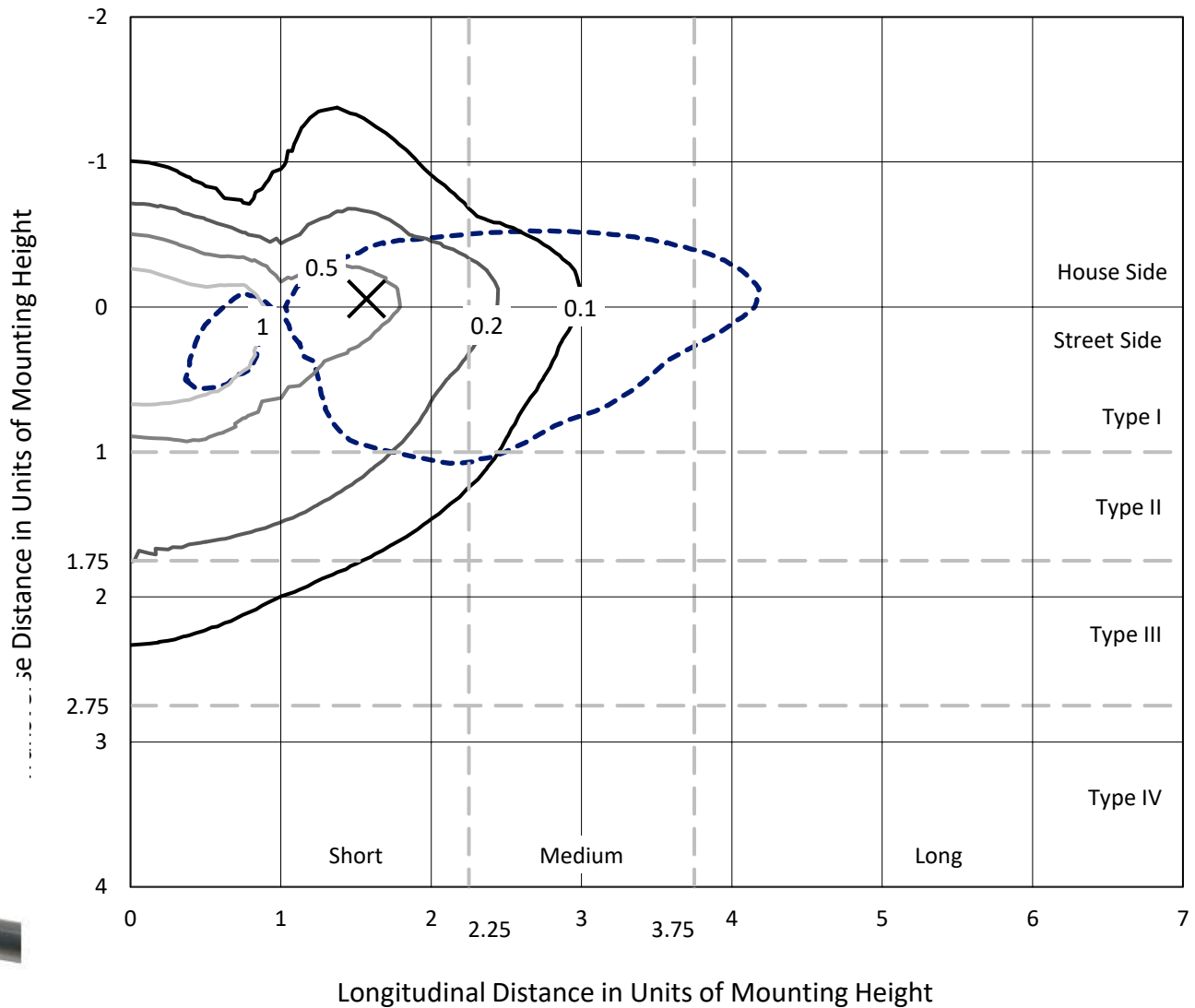


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

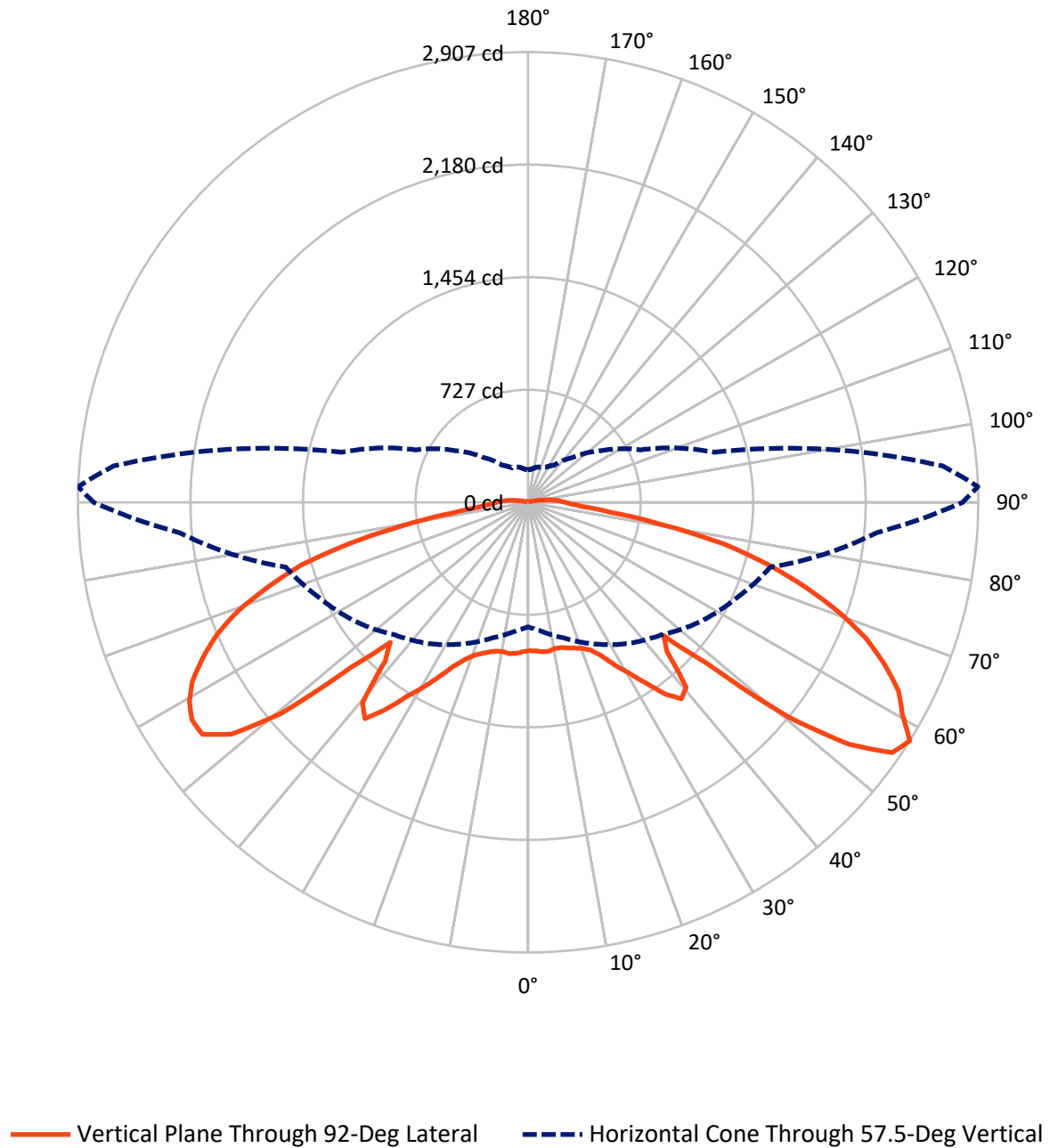


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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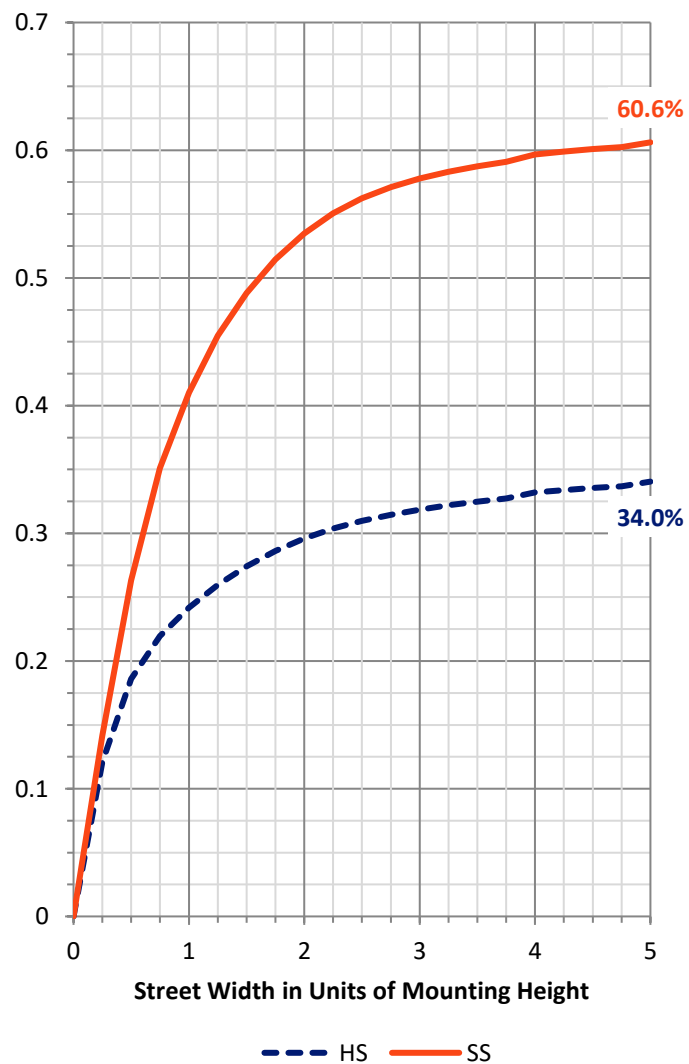
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1821.5	79.6	1901.1
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	3138.9	65.0	3203.9
	% Fixture	61.5	1.3	62.8
Total	Lumens	4960.5	144.6	5105.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.8	1.8
10°-20°	270.5	5.3
20°-30°	448.7	8.8
30°-40°	621.0	12.2
40°-50°	579.8	11.4
50°-60°	866.4	17.0
60°-70°	1029.1	20.2
70°-80°	755.3	14.8
80°-90°	297.8	5.8
90°-100°	104.9	2.1
100°-110°	24.8	0.5
110°-120°	9.6	0.2
120°-130°	4.9	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°	4960.5	97.2
0°-180°	5105.0	100.0

Coefficient of Utilization



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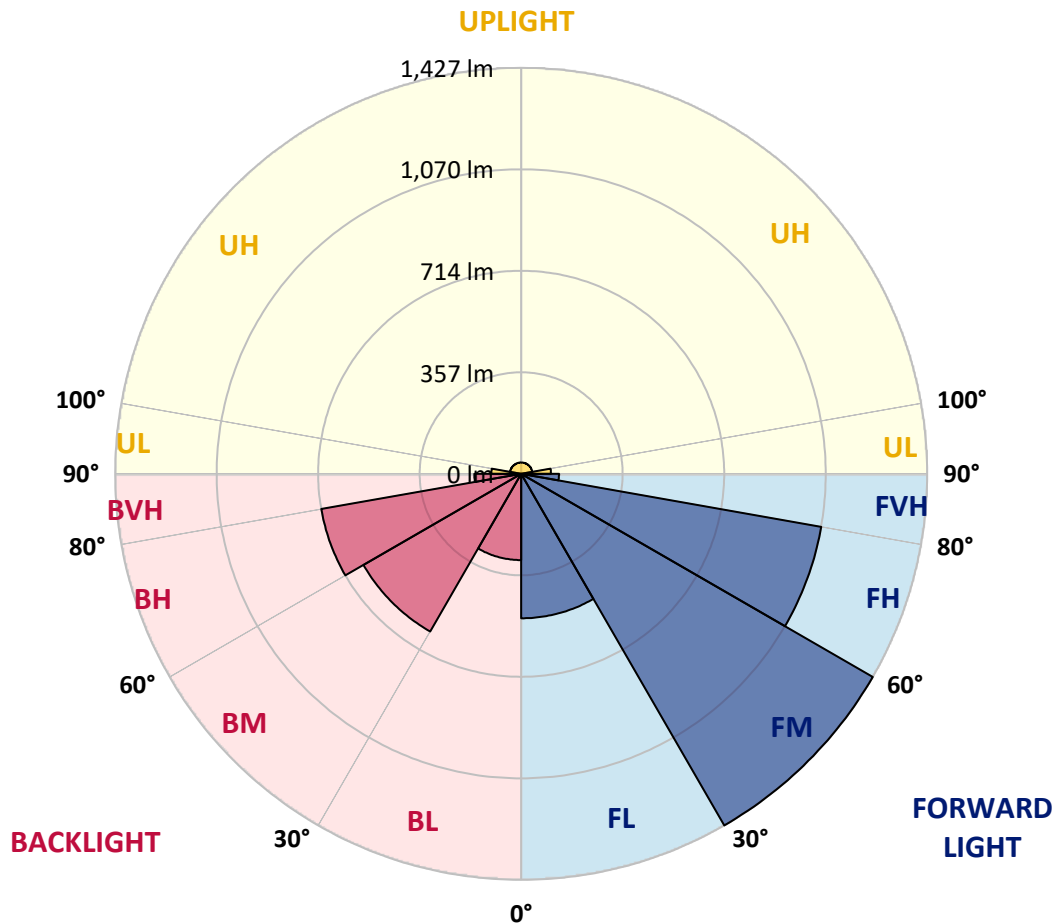
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	507.8	9.9			
FM	(30°-60°)	1427.1	28.0			
FH	(60°-80°)	1071.0	21.0			G1/1800
FVH	(80°-90°)	133.1	2.6			G2/225
BL	(0°-30°)	303.2	5.9	B1/500		
BM	(30°-60°)	640.1	12.5	B1/1000		
BH	(60°-80°)	713.5	14.0	B2/1000		G2/1000
BVH	(80°-90°)	164.7	3.2			G2/225
UL	(90°-100°)	104.9	2.1		U3/500	
UH	(100°-180°)	39.7	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°	957.6	957.6	957.6	957.6	957.6	957.6	957.6	957.6	957.6	957.6	957.6
2.5°	998.9	992.0	993.7	992.0	988.6	985.1	981.7	978.2	973.1	967.9	964.5
5°	1057.3	1050.5	1050.5	1050.5	1043.6	1033.3	1019.5	1010.9	998.9	985.1	974.8
7.5°	1096.9	1091.7	1090.0	1088.3	1079.7	1072.8	1057.3	1029.8	1010.9	993.7	978.2
10°	1110.6	1110.6	1108.9	1103.8	1095.2	1086.6	1076.2	1050.5	1019.5	990.3	969.6
12.5°	1136.4	1139.9	1134.7	1126.1	1122.7	1112.3	1096.9	1076.2	1041.9	997.2	973.1
15°	1176.0	1174.2	1167.4	1165.6	1162.2	1150.2	1136.4	1110.6	1071.1	1014.3	986.8
17.5°	1193.2	1191.4	1191.4	1191.4	1191.4	1182.8	1181.1	1151.9	1110.6	1041.9	1007.5
20°	1196.6	1196.6	1201.7	1213.8	1215.5	1213.8	1222.4	1203.5	1155.3	1076.2	1029.8
22.5°	1218.9	1220.7	1229.3	1241.3	1249.9	1253.3	1260.2	1268.8	1224.1	1131.3	1072.8
25°	1206.9	1215.5	1234.4	1253.3	1274.0	1286.0	1323.8	1353.0	1315.2	1212.1	1133.0
27.5°	1186.3	1193.2	1231.0	1265.4	1311.8	1361.6	1416.7	1454.5	1432.1	1311.8	1229.3
30°	1205.2	1205.2	1229.3	1286.0	1346.2	1437.3	1518.1	1559.3	1549.0	1416.7	1341.0
32.5°	1165.6	1176.0	1227.5	1310.1	1401.2	1519.8	1602.3	1679.7	1690.0	1552.5	1430.4
35°	1048.7	1071.1	1105.5	1213.8	1368.5	1574.8	1702.0	1800.0	1843.0	1707.2	1564.5
37.5°	866.5	875.1	947.3	1055.6	1239.6	1444.2	1664.2	1903.2	1992.6	1824.1	1698.6
40°	765.1	770.2	816.6	911.2	1065.9	1267.1	1452.8	1698.6	1769.1	1751.9	1633.3
42.5°	730.7	739.3	794.3	885.4	1016.1	1155.3	1203.5	1310.1	1282.6	1356.5	1394.3
45°	771.9	777.1	816.6	895.7	978.2	1038.4	1004.0	1079.7	1117.5	1263.6	1272.2
47.5°	801.2	804.6	847.6	947.3	961.1	962.8	1009.2	1053.9	1158.8	1475.1	1616.1
50°	687.7	704.9	787.4	873.4	880.2	1016.1	1148.5	1237.9	1366.8	1942.7	2212.7
52.5°	637.8	646.4	735.8	885.4	985.1	1143.3	1237.9	1327.3	1451.0	2145.6	2620.1
55°	699.7	713.5	820.1	986.8	1086.6	1194.9	1313.5	1423.5	1545.6	2250.5	2802.4
57.5°	804.6	830.4	907.8	1009.2	1114.1	1212.1	1349.6	1476.8	1619.5	2257.4	2805.8
60°	1012.6	993.7	950.7	995.4	1096.9	1208.6	1366.8	1502.6	1660.8	2255.6	2726.7
62.5°	1155.3	1127.8	985.1	964.5	1059.1	1172.5	1329.0	1499.2	1652.2	2180.0	2637.3
65°	1127.8	1108.9	998.9	923.2	992.0	1114.1	1277.4	1478.5	1610.9	2099.2	2475.7
67.5°	973.1	950.7	904.3	875.1	909.5	1052.2	1229.3	1437.3	1562.8	2006.3	2298.6
70°	794.3	782.3	766.8	797.7	840.7	974.8	1141.6	1347.9	1471.7	1829.3	2109.5
72.5°	673.9	667.1	648.2	680.8	753.0	873.4	1012.6	1218.9	1358.2	1590.3	1875.7
75°	567.3	569.1	558.8	579.4	625.8	744.4	854.5	1055.6	1210.3	1365.1	1623.0
77.5°	465.9	460.8	471.1	483.1	514.1	600.0	673.9	849.3	1033.3	1083.1	1244.7
80°	340.4	349.0	367.9	366.2	392.0	429.8	479.7	572.5	725.5	775.4	837.3
82.5°	240.7	251.0	268.2	249.3	252.7	263.0	285.4	328.4	409.2	459.0	510.6
85°	170.2	175.4	178.8	165.0	165.0	171.9	187.4	218.3	268.2	299.1	326.7
87.5°	123.8	125.5	132.4	125.5	127.2	130.7	144.4	165.0	206.3	228.7	251.0
90°	94.6	94.6	98.0	96.3	99.7	106.6	120.3	137.5	168.5	196.0	216.6
92.5°	68.8	68.8	72.2	73.9	75.6	84.2	96.3	110.0	130.7	165.0	185.7
95°	53.3	53.3	56.7	56.7	58.5	65.3	75.6	89.4	104.9	128.9	147.9
97.5°	39.5	39.5	43.0	43.0	44.7	49.9	58.5	67.1	80.8	96.3	104.9
100°	30.9	30.9	32.7	32.7	34.4	39.5	44.7	49.9	53.3	61.9	65.3
102.5°	25.8	25.8	25.8	25.8	25.8	29.2	30.9	30.9	32.7	37.8	39.5
105°	20.6	20.6	20.6	18.9	18.9	20.6	20.6	20.6	22.4	22.4	24.1
107.5°	15.5	15.5	15.5	15.5	15.5	17.2	17.2	17.2	17.2	18.9	18.9
110°	13.8	13.8	13.8	13.8	13.8	13.8	15.5	15.5	15.5	15.5	15.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	12.0	12.0	12.0	12.0	12.0	12.0	13.8	13.8	13.8	13.8	13.8
115°	10.3	10.3	10.3	10.3	10.3	12.0	13.8	12.0	12.0	12.0	12.0
117.5°	8.6	8.6	8.6	10.3	10.3	10.3	12.0	10.3	10.3	10.3	12.0
120°	6.9	6.9	8.6	8.6	8.6	8.6	8.6	8.6	10.3	10.3	10.3
122.5°	6.9	6.9	6.9	6.9	6.9	8.6	8.6	8.6	8.6	8.6	10.3
125°	5.2	5.2	5.2	6.9	6.9	6.9	6.9	6.9	6.9	8.6	8.6
127.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	6.9	6.9	6.9
130°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
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°	957.6	957.6	957.6	957.6	957.6	957.6	957.6	957.6	957.6	957.6	957.6
2.5°	961.1	961.1	950.7	940.4	930.1	919.8	911.2	906.0	899.2	900.9	900.9
5°	969.6	964.5	942.1	928.4	912.9	899.2	885.4	873.4	869.9	868.2	861.3
7.5°	971.4	962.8	938.7	918.1	888.8	856.2	840.7	827.0	818.4	825.2	821.8
10°	959.3	949.0	921.5	890.6	849.3	821.8	797.7	784.0	777.1	778.8	777.1
12.5°	962.8	950.7	906.0	859.6	825.2	778.8	749.6	737.6	729.0	729.0	723.8
15°	976.5	955.9	892.3	844.1	787.4	747.9	713.5	704.9	701.4	698.0	692.9
17.5°	990.3	961.1	890.6	816.6	753.0	710.0	675.7	660.2	651.6	651.6	649.9
20°	1007.5	971.4	880.2	787.4	720.4	663.6	622.4	608.6	601.7	600.0	596.6
22.5°	1036.7	998.9	875.1	775.4	677.4	618.9	579.4	553.6	539.8	538.1	538.1
25°	1095.2	1048.7	885.4	742.7	648.2	572.5	524.4	498.6	483.1	483.1	481.4
27.5°	1188.0	1114.1	900.9	730.7	593.1	522.6	472.8	433.2	419.5	419.5	421.2
30°	1279.1	1213.8	940.4	704.9	562.2	457.3	397.1	367.9	350.7	343.8	345.6
32.5°	1387.4	1318.7	995.4	687.7	500.3	380.0	324.9	309.5	283.7	276.8	271.6
35°	1519.8	1420.1	1057.3	663.6	452.2	323.2	278.5	247.6	235.5	226.9	225.2
37.5°	1609.2	1521.5	1112.3	668.8	385.1	292.3	242.4	209.7	197.7	199.4	199.4
40°	1571.4	1469.9	1126.1	634.4	328.4	254.4	202.9	184.0	177.1	178.8	180.5
42.5°	1313.5	1260.2	931.8	567.3	271.6	204.6	170.2	170.2	175.4	170.2	170.2
45°	1227.5	1093.4	677.4	398.9	204.6	168.5	161.6	166.8	178.8	178.8	178.8
47.5°	1554.2	1402.9	606.9	333.5	228.7	189.1	175.4	166.8	168.5	166.8	166.8
50°	2180.0	1942.7	814.9	416.1	276.8	225.2	199.4	182.2	182.2	178.8	175.4
52.5°	2596.0	2346.8	992.0	520.9	347.3	263.0	228.7	197.7	187.4	180.5	178.8
55°	2853.9	2664.8	1145.0	667.1	452.2	312.9	254.4	221.8	206.3	192.6	190.8
57.5°	2907.2	2687.2	1246.4	801.2	582.8	410.9	292.3	245.9	235.5	213.2	209.7
60°	2776.6	2630.4	1286.0	888.8	696.3	541.6	381.7	285.4	263.0	247.6	244.1
62.5°	2685.4	2517.0	1272.2	918.1	766.8	649.9	502.0	350.7	287.1	288.8	304.3
65°	2532.4	2419.0	1170.8	875.1	763.3	686.0	563.9	405.7	295.7	292.3	311.2
67.5°	2357.1	2267.7	1069.4	780.5	703.2	636.1	524.4	386.8	280.2	263.0	264.8
70°	2131.9	2056.2	966.2	727.2	648.2	563.9	455.6	335.3	276.8	249.3	249.3
72.5°	1872.2	1782.8	880.2	687.7	618.9	541.6	436.7	323.2	297.4	287.1	295.7
75°	1597.2	1483.7	813.2	649.9	598.3	541.6	435.0	323.2	297.4	288.8	288.8
77.5°	1287.7	1220.7	741.0	589.7	557.0	515.8	400.6	300.9	292.3	288.8	288.8
80°	890.6	880.2	603.5	512.3	503.7	488.3	376.5	290.6	290.6	285.4	278.5
82.5°	546.7	520.9	431.5	383.4	412.6	435.0	342.1	273.4	266.5	261.3	257.9
85°	354.2	355.9	302.6	268.2	285.4	331.8	288.8	247.6	237.3	240.7	240.7
87.5°	271.6	280.2	237.3	218.3	214.9	225.2	226.9	221.8	214.9	209.7	211.5
90°	233.8	237.3	190.8	175.4	173.6	177.1	177.1	187.4	187.4	170.2	159.9
92.5°	196.0	201.2	158.2	142.7	142.7	147.9	151.3	151.3	137.5	111.8	99.7
95°	154.7	158.2	125.5	113.5	115.2	115.2	113.5	108.3	84.2	49.9	44.7
97.5°	108.3	110.0	92.8	86.0	87.7	84.2	73.9	67.1	51.6	29.2	27.5
100°	68.8	70.5	58.5	56.7	61.9	55.0	48.1	44.7	30.9	18.9	22.4
102.5°	41.3	41.3	36.1	34.4	37.8	32.7	29.2	24.1	18.9	12.0	15.5
105°	24.1	24.1	22.4	22.4	22.4	20.6	18.9	15.5	10.3	8.6	8.6
107.5°	18.9	18.9	17.2	17.2	15.5	15.5	13.8	10.3	6.9	5.2	5.2
110°	15.5	15.5	13.8	13.8	13.8	12.0	10.3	8.6	5.2	3.4	3.4

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CATALOG NUMBER: CRTK2-C016-D-U-T2-8027-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.8	13.8	12.0	12.0	10.3	10.3	8.6	6.9	5.2	3.4	3.4
115°	12.0	12.0	10.3	8.6	8.6	8.6	6.9	5.2	3.4	1.7	3.4
117.5°	12.0	12.0	8.6	6.9	6.9	6.9	5.2	5.2	3.4	1.7	1.7
120°	10.3	10.3	6.9	6.9	5.2	5.2	5.2	3.4	1.7	1.7	1.7
122.5°	8.6	8.6	6.9	5.2	5.2	5.2	3.4	3.4	1.7	1.7	1.7
125°	8.6	8.6	5.2	5.2	5.2	3.4	3.4	3.4	1.7	0.0	0.0
127.5°	6.9	6.9	5.2	5.2	3.4	3.4	3.4	1.7	1.7	0.0	0.0
130°	5.2	5.2	5.2	5.2	3.4	3.4	3.4	1.7	1.7	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)