

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: P691439

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691439
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-14)
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-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4714.9 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - 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



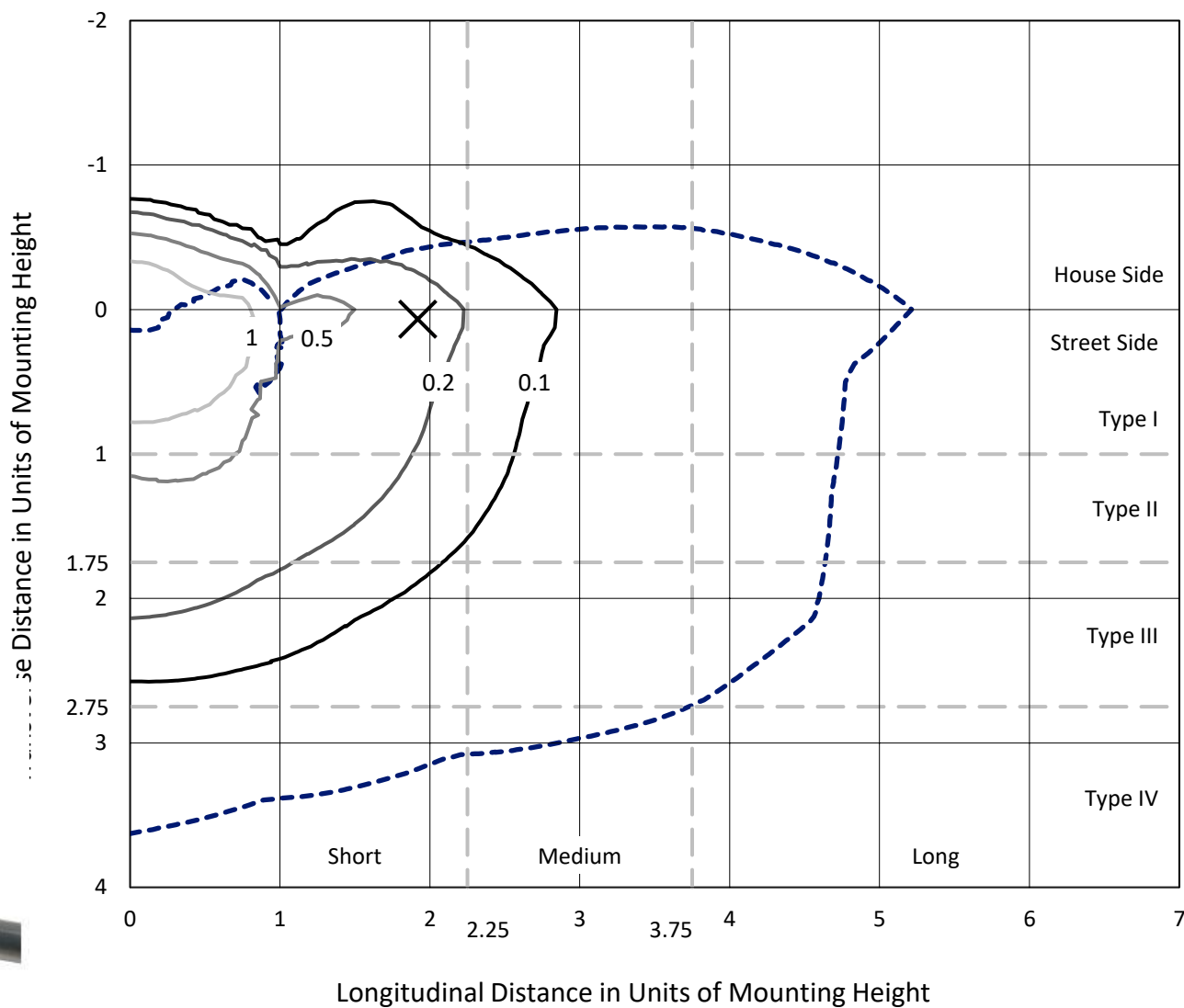
REPORT NUMBER: P691439

CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

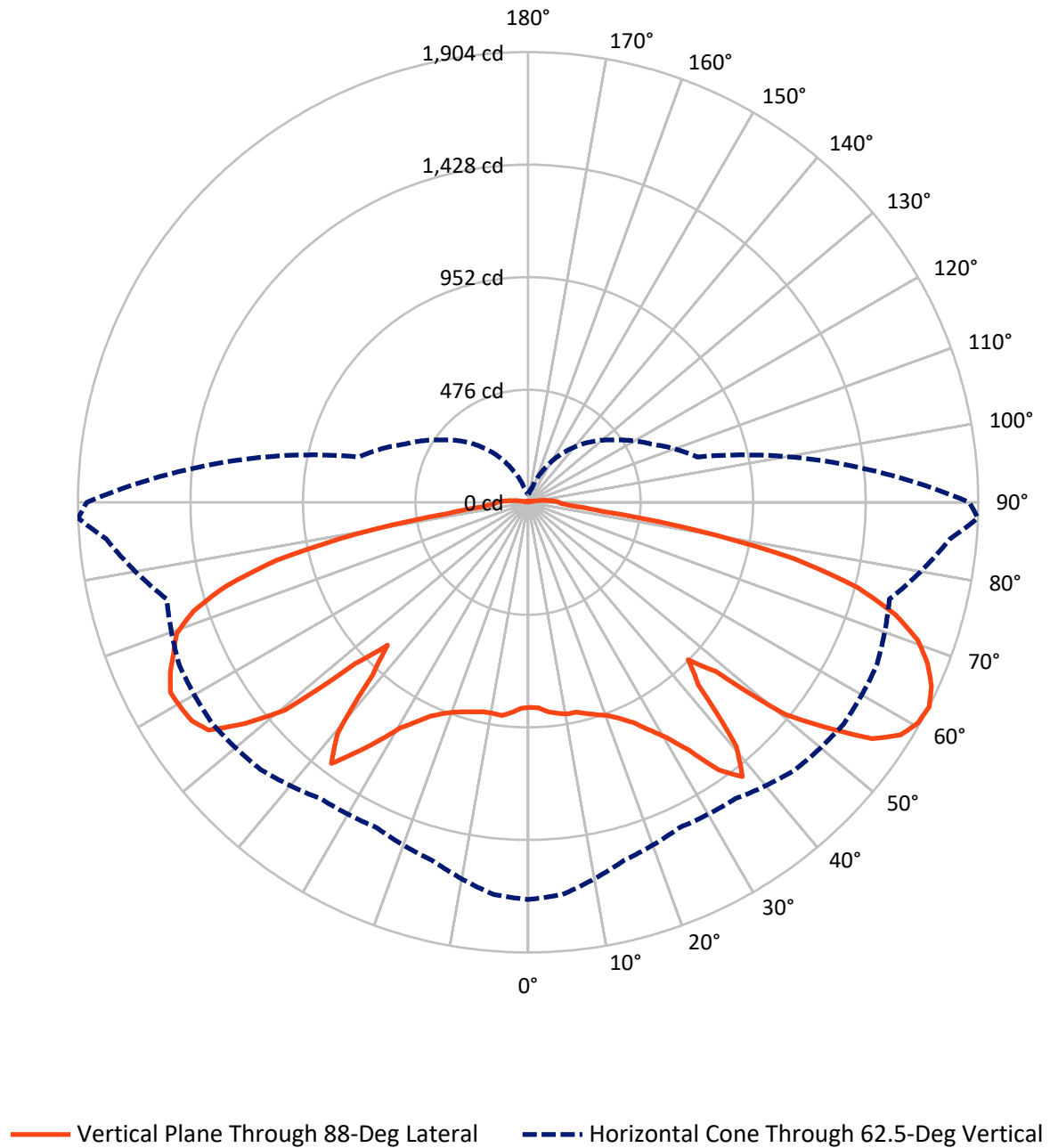


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P691439

CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691439

CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

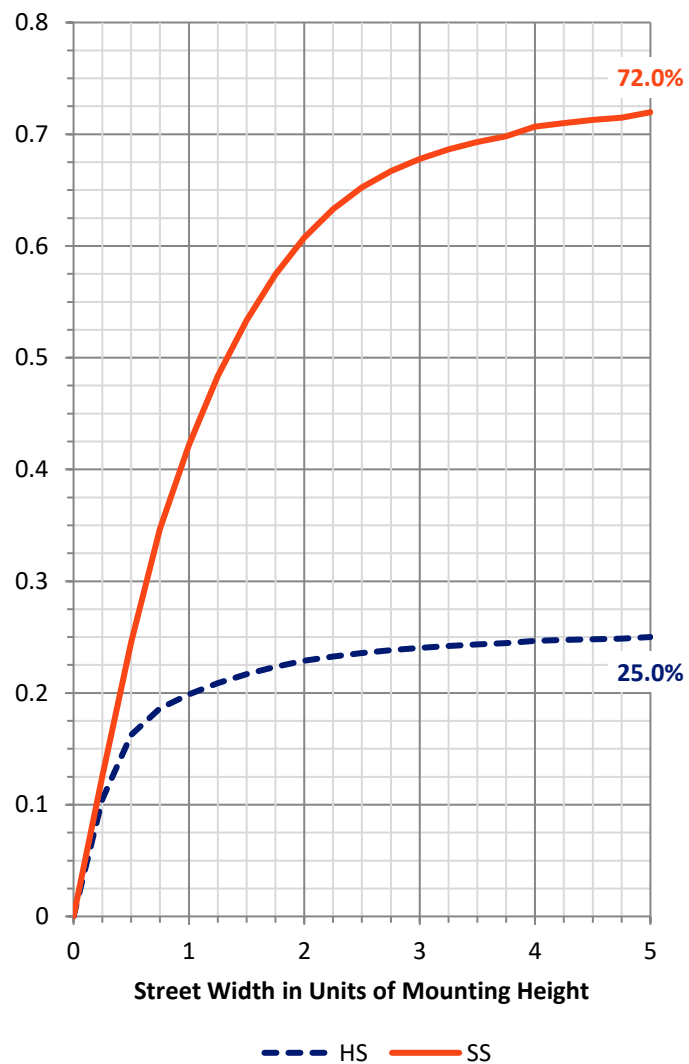
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1199.5	22.6	1222.1
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	3437.1	55.7	3492.8
	% Fixture	72.9	1.2	74.1
Total	Lumens	4636.6	78.3	4714.9
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	1.8
10°-20°	260.9	5.5
20°-30°	441.9	9.4
30°-40°	610.0	12.9
40°-50°	527.6	11.2
50°-60°	763.8	16.2
60°-70°	999.8	21.2
70°-80°	758.1	16.1
80°-90°	189.1	4.0
90°-100°	55.6	1.2
100°-110°	12.9	0.3
110°-120°	5.7	0.1
120°-130°	3.7	0.1
130°-140°	0.3	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°	4636.6	98.3
0°-180°	4714.9	100.0

Coefficient of Utilization



REPORT NUMBER: P691439

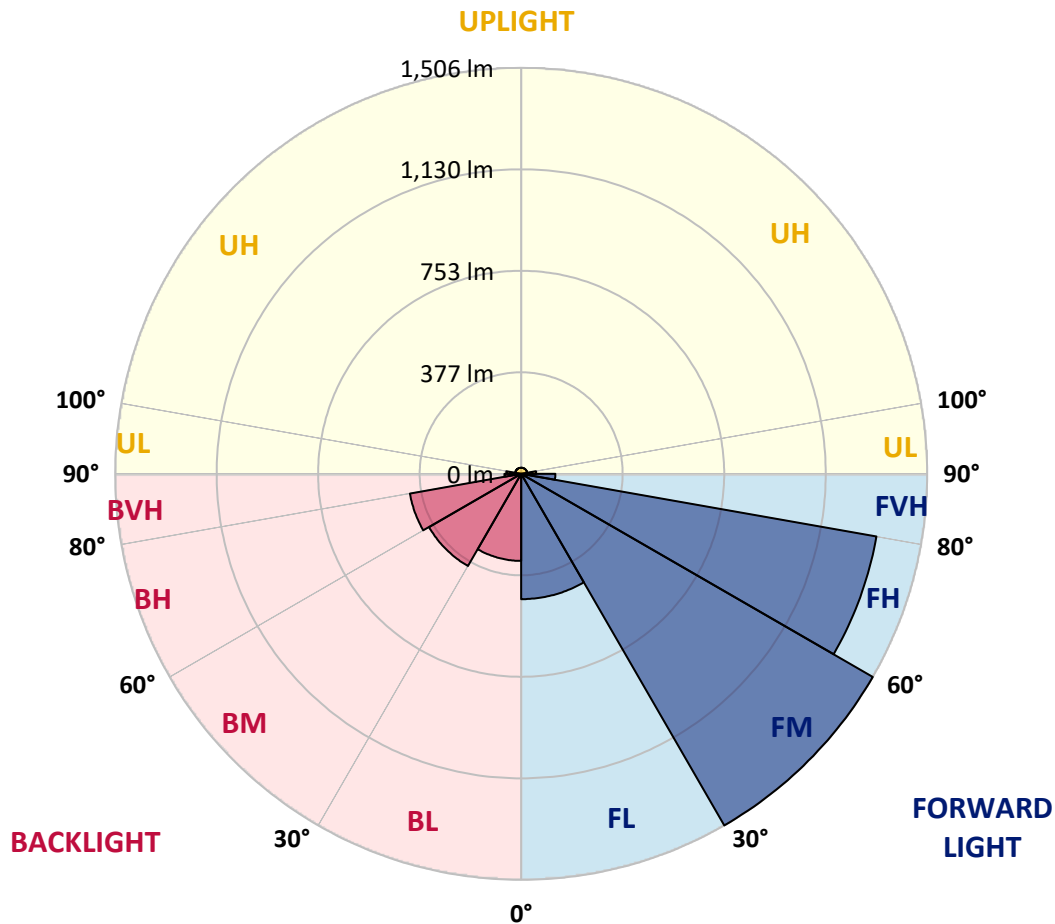
CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	465.2	9.9			
FM	(30°-60°)	1506.4	32.0			
FH	(60°-80°)	1338.5	28.4			G1/1800
FVH	(80°-90°)	127.0	2.7			G2/225
BL	(0°-30°)	323.1	6.9	B1/500		
BM	(30°-60°)	395.0	8.4	B1/1000		
BH	(60°-80°)	419.4	8.9	B1/500		G1/500
BVH	(80°-90°)	62.1	1.3			G1/100
UL	(90°-100°)	55.6	1.2		U3/500	
UH	(100°-180°)	22.7	0.5		U2/50	

BUG Rating: B1-U3-G2

Type IV Short



REPORT NUMBER: P691439

CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	867.1	867.1	867.1	867.1	867.1	867.1	867.1	867.1	867.1	867.1	867.1
2.5°	858.0	858.0	856.2	858.0	861.7	865.3	861.7	863.5	865.3	868.9	870.7
5°	890.6	888.7	885.1	881.5	877.9	877.9	874.3	872.5	876.1	886.9	890.6
7.5°	917.6	912.2	908.6	910.4	905.0	896.0	888.7	885.1	881.5	896.0	901.4
10°	961.0	957.4	944.7	933.9	926.7	912.2	896.0	894.2	892.4	906.8	910.4
12.5°	1004.4	1000.7	993.5	982.7	959.2	946.6	921.3	910.4	908.6	917.6	910.4
15°	1067.6	1060.4	1040.5	1029.6	1006.2	986.3	955.6	939.3	942.9	930.3	926.7
17.5°	1103.7	1100.1	1098.3	1082.0	1064.0	1029.6	1000.7	977.3	984.5	955.6	944.7
20°	1143.4	1141.6	1145.3	1147.1	1123.6	1092.9	1056.7	1020.6	1022.4	984.5	962.8
22.5°	1194.0	1188.6	1195.8	1204.9	1185.0	1159.7	1112.7	1083.8	1069.4	1018.8	993.5
25°	1253.6	1251.8	1251.8	1268.1	1264.5	1230.2	1185.0	1152.5	1138.0	1069.4	1031.5
27.5°	1315.1	1316.9	1320.5	1331.3	1336.7	1316.9	1273.5	1244.6	1217.5	1127.2	1089.3
30°	1354.8	1354.8	1380.1	1396.3	1403.6	1403.6	1351.2	1329.5	1302.4	1201.3	1154.3
32.5°	1403.6	1407.2	1430.7	1457.8	1468.6	1483.1	1439.7	1423.4	1400.0	1293.4	1250.0
35°	1437.9	1443.3	1479.4	1521.0	1549.9	1557.1	1531.8	1539.1	1528.2	1414.4	1390.9
37.5°	1288.0	1302.4	1356.6	1437.9	1515.6	1591.4	1618.5	1654.7	1660.1	1528.2	1472.2
40°	1121.8	1127.2	1188.6	1248.2	1344.0	1405.4	1474.0	1553.5	1510.1	1367.4	1356.6
42.5°	995.3	1018.8	1103.7	1148.9	1222.9	1237.4	1203.1	1152.5	1074.8	1062.2	1056.7
45°	973.6	997.1	1082.0	1156.1	1192.2	1015.2	919.5	852.6	883.3	959.2	950.2
47.5°	1074.8	1103.7	1192.2	1277.1	1203.1	1006.2	942.9	941.1	915.8	1045.9	1069.4
50°	1136.2	1159.7	1262.7	1260.9	1201.3	1105.5	1139.8	1101.9	1056.7	1278.9	1410.8
52.5°	1166.9	1188.6	1224.7	1269.9	1275.3	1268.1	1277.1	1246.4	1177.8	1484.9	1584.2
55°	1082.0	1136.2	1293.4	1371.1	1403.6	1383.7	1389.1	1367.4	1322.3	1613.1	1764.8
57.5°	1354.8	1383.7	1441.5	1461.4	1481.2	1472.2	1479.4	1472.2	1430.7	1708.9	1857.0
60°	1512.0	1512.0	1537.2	1504.7	1515.6	1546.3	1568.0	1568.0	1524.6	1779.3	1894.9
62.5°	1679.9	1665.5	1568.0	1517.4	1530.0	1598.7	1631.2	1627.6	1582.4	1790.1	1903.9
65°	1647.4	1622.1	1587.8	1477.6	1492.1	1587.8	1633.0	1631.2	1584.2	1750.4	1875.0
67.5°	1405.4	1428.9	1470.4	1461.4	1425.2	1535.4	1605.9	1609.5	1555.3	1683.6	1822.7
70°	1217.5	1232.0	1257.3	1333.1	1349.4	1463.2	1575.2	1591.4	1519.2	1605.9	1748.6
72.5°	1060.4	1069.4	1049.5	1127.2	1185.0	1334.9	1466.8	1497.5	1423.4	1472.2	1624.0
75°	906.8	886.9	863.5	897.8	942.9	1101.9	1262.7	1324.1	1259.1	1289.8	1439.7
77.5°	704.5	675.6	652.1	661.1	702.7	840.0	995.3	1092.9	1035.1	1033.3	1152.5
80°	480.5	455.2	439.0	435.3	466.1	551.0	662.9	778.6	728.0	679.2	731.6
82.5°	299.9	299.9	285.4	263.7	261.9	278.2	299.9	328.8	310.7	303.5	319.7
85°	187.9	189.7	182.4	159.0	153.5	157.2	168.0	175.2	169.8	175.2	180.6
87.5°	131.9	130.1	121.0	117.4	115.6	121.0	130.1	133.7	133.7	139.1	139.1
90°	99.4	99.4	93.9	92.1	92.1	97.5	106.6	113.8	119.2	128.3	128.3
92.5°	83.1	83.1	79.5	77.7	77.7	79.5	86.7	95.7	101.2	110.2	106.6
95°	68.6	68.6	66.8	66.8	66.8	68.6	72.3	77.7	79.5	79.5	79.5
97.5°	54.2	52.4	50.6	50.6	50.6	52.4	54.2	59.6	61.4	56.0	56.0
100°	37.9	36.1	34.3	36.1	36.1	36.1	37.9	39.7	39.7	36.1	34.3
102.5°	23.5	23.5	23.5	23.5	21.7	21.7	21.7	21.7	19.9	18.1	18.1
105°	16.3	16.3	14.5	14.5	14.5	14.5	12.6	12.6	12.6	10.8	10.8
107.5°	12.6	12.6	12.6	12.6	12.6	10.8	10.8	10.8	10.8	9.0	9.0
110°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	9.0	9.0	7.2	7.2

REPORT NUMBER: P691439

CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	10.8	10.8	10.8	10.8	10.8	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°	9.0	9.0	9.0	9.0	9.0	9.0	7.2	7.2	7.2	9.0	7.2
120°	9.0	9.0	9.0	9.0	7.2	7.2	7.2	7.2	7.2	7.2	7.2
122.5°	9.0	9.0	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
125°	7.2	7.2	7.2	7.2	5.4	5.4	5.4	5.4	5.4	5.4	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	5.4	5.4	5.4	5.4	5.4	3.6	3.6	3.6	3.6	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

REPORT NUMBER: P691439

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	867.1	867.1	867.1	867.1	867.1	867.1	867.1	867.1	867.1	867.1	867.1
2.5°	870.7	874.3	881.5	890.6	897.8	903.2	906.8	910.4	910.4	906.8	910.4
5°	890.6	894.2	906.8	915.8	915.8	910.4	906.8	905.0	908.6	910.4	914.0
7.5°	906.8	910.4	905.0	908.6	912.2	906.8	899.6	894.2	888.7	883.3	886.9
10°	908.6	899.6	899.6	896.0	883.3	885.1	883.3	874.3	867.1	868.9	870.7
12.5°	906.8	903.2	888.7	881.5	876.1	858.0	850.8	856.2	845.4	850.8	843.6
15°	923.1	905.0	890.6	872.5	852.6	843.6	830.9	812.9	805.7	807.5	809.3
17.5°	933.9	915.8	881.5	849.0	838.2	809.3	794.8	785.8	773.1	774.9	782.2
20°	952.0	924.9	876.1	841.8	789.4	769.5	751.5	740.6	729.8	713.5	706.3
22.5°	977.3	942.9	868.9	805.7	760.5	726.2	686.4	659.3	644.9	634.0	632.2
25°	1009.8	970.0	870.7	789.4	717.1	666.6	632.2	585.3	551.0	547.3	552.8
27.5°	1069.4	1000.7	881.5	764.1	681.0	603.3	540.1	507.6	467.9	458.8	458.8
30°	1127.2	1049.5	874.3	742.4	619.6	532.9	448.0	386.6	364.9	348.6	346.8
32.5°	1233.8	1118.2	912.2	709.9	563.6	428.1	334.2	267.3	252.9	247.5	245.7
35°	1331.3	1212.1	915.8	668.4	480.5	332.4	240.3	195.1	186.1	180.6	178.8
37.5°	1436.1	1302.4	952.0	634.0	399.2	234.8	173.4	139.1	128.3	121.0	117.4
40°	1315.1	1194.0	935.7	576.2	296.2	149.9	108.4	75.9	65.0	65.0	65.0
42.5°	1029.6	906.8	708.1	466.1	173.4	86.7	54.2	52.4	54.2	56.0	56.0
45°	912.2	751.5	433.5	247.5	72.3	48.8	43.4	41.5	47.0	52.4	54.2
47.5°	1073.0	894.2	334.2	173.4	77.7	48.8	39.7	39.7	37.9	34.3	34.3
50°	1450.5	1206.7	383.0	198.7	97.5	54.2	39.7	34.3	34.3	36.1	37.9
52.5°	1636.6	1344.0	451.6	258.3	142.7	74.1	43.4	34.3	30.7	25.3	25.3
55°	1797.4	1452.3	534.7	334.2	209.5	115.6	61.4	36.1	30.7	25.3	23.5
57.5°	1849.8	1465.0	623.2	420.9	285.4	180.6	106.6	50.6	32.5	27.1	25.3
60°	1857.0	1479.4	690.0	513.0	372.1	263.7	175.2	92.1	41.5	32.5	30.7
62.5°	1866.0	1483.1	740.6	579.9	458.8	357.7	252.9	146.3	63.2	37.9	36.1
65°	1833.5	1439.7	728.0	565.4	484.1	395.6	290.8	171.6	72.3	43.4	41.5
67.5°	1779.3	1401.8	675.6	520.2	437.1	345.0	249.3	139.1	66.8	50.6	48.8
70°	1735.9	1363.8	648.5	516.6	404.6	301.7	200.5	101.2	79.5	68.6	65.0
72.5°	1629.4	1273.5	626.8	514.8	404.6	294.4	195.1	108.4	108.4	110.2	103.0
75°	1450.5	1138.0	594.3	500.4	395.6	292.6	187.9	117.4	117.4	104.8	99.4
77.5°	1197.6	932.1	525.7	457.0	359.5	258.3	153.5	97.5	93.9	81.3	77.7
80°	793.0	668.4	419.1	377.5	296.2	207.7	113.8	75.9	70.4	59.6	56.0
82.5°	355.9	319.7	265.5	267.3	213.2	148.1	77.7	52.4	48.8	39.7	37.9
85°	195.1	184.3	144.5	126.4	108.4	77.7	45.2	34.3	28.9	21.7	21.7
87.5°	148.1	142.7	106.6	83.1	63.2	45.2	28.9	21.7	16.3	10.8	9.0
90°	135.5	128.3	86.7	66.8	50.6	36.1	23.5	14.5	10.8	7.2	5.4
92.5°	113.8	108.4	70.4	56.0	43.4	32.5	19.9	10.8	7.2	3.6	3.6
95°	83.1	81.3	52.4	43.4	34.3	27.1	16.3	9.0	5.4	3.6	1.8
97.5°	56.0	54.2	37.9	32.5	27.1	19.9	12.6	7.2	3.6	1.8	1.8
100°	34.3	34.3	23.5	21.7	18.1	14.5	9.0	5.4	3.6	1.8	1.8
102.5°	18.1	16.3	12.6	12.6	10.8	9.0	7.2	3.6	1.8	0.0	0.0
105°	10.8	9.0	9.0	7.2	7.2	5.4	5.4	3.6	1.8	0.0	0.0
107.5°	9.0	7.2	7.2	5.4	5.4	3.6	3.6	1.8	1.8	0.0	0.0
110°	7.2	7.2	5.4	5.4	3.6	3.6	3.6	1.8	0.0	0.0	0.0

REPORT NUMBER: P691439

CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

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