

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: P691475

Luminaire Tested: **CRTK2-C016-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691475
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-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 4790 lumens
Efficiency: N/A
Efficacy: 115.1 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): 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



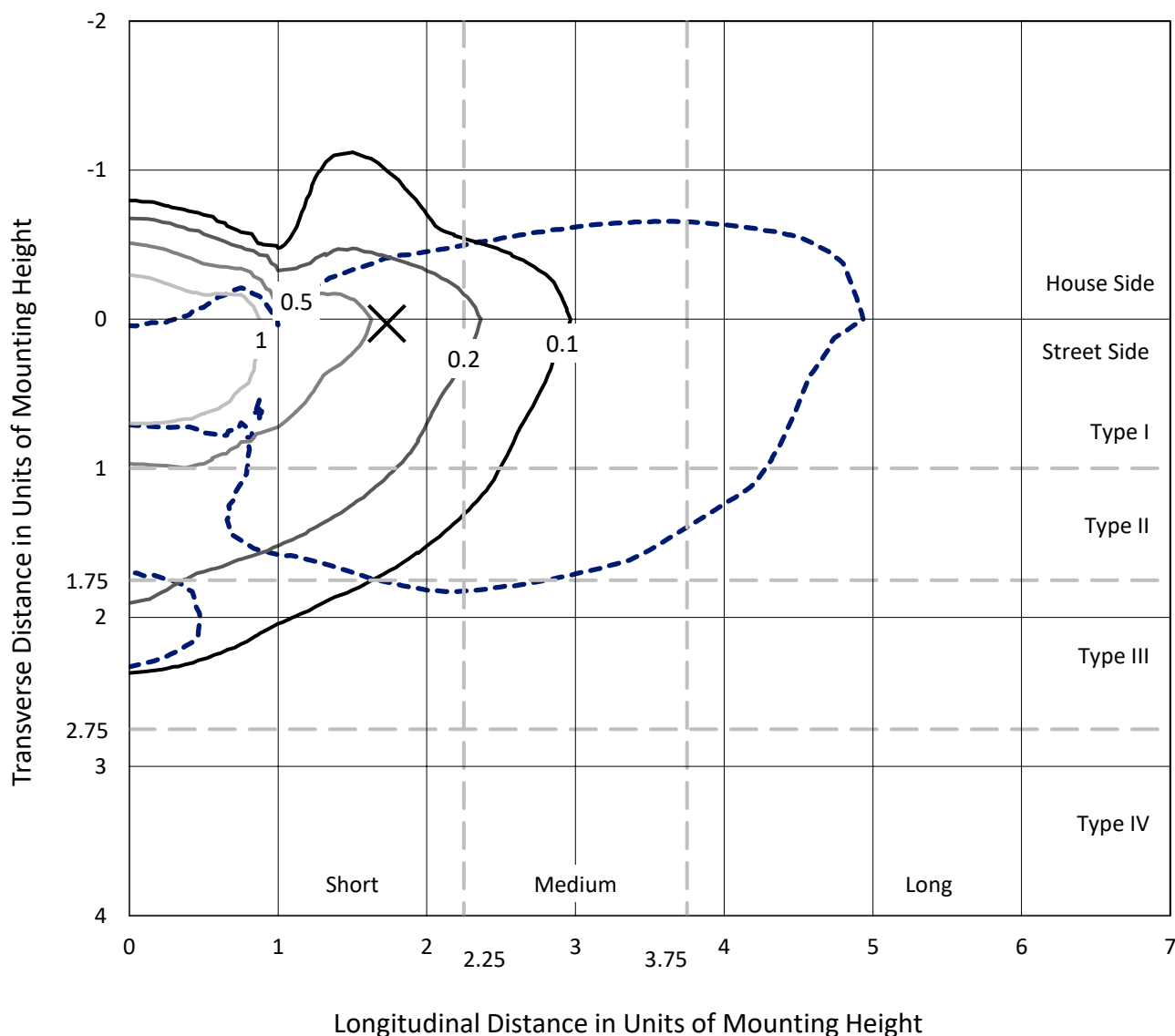
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



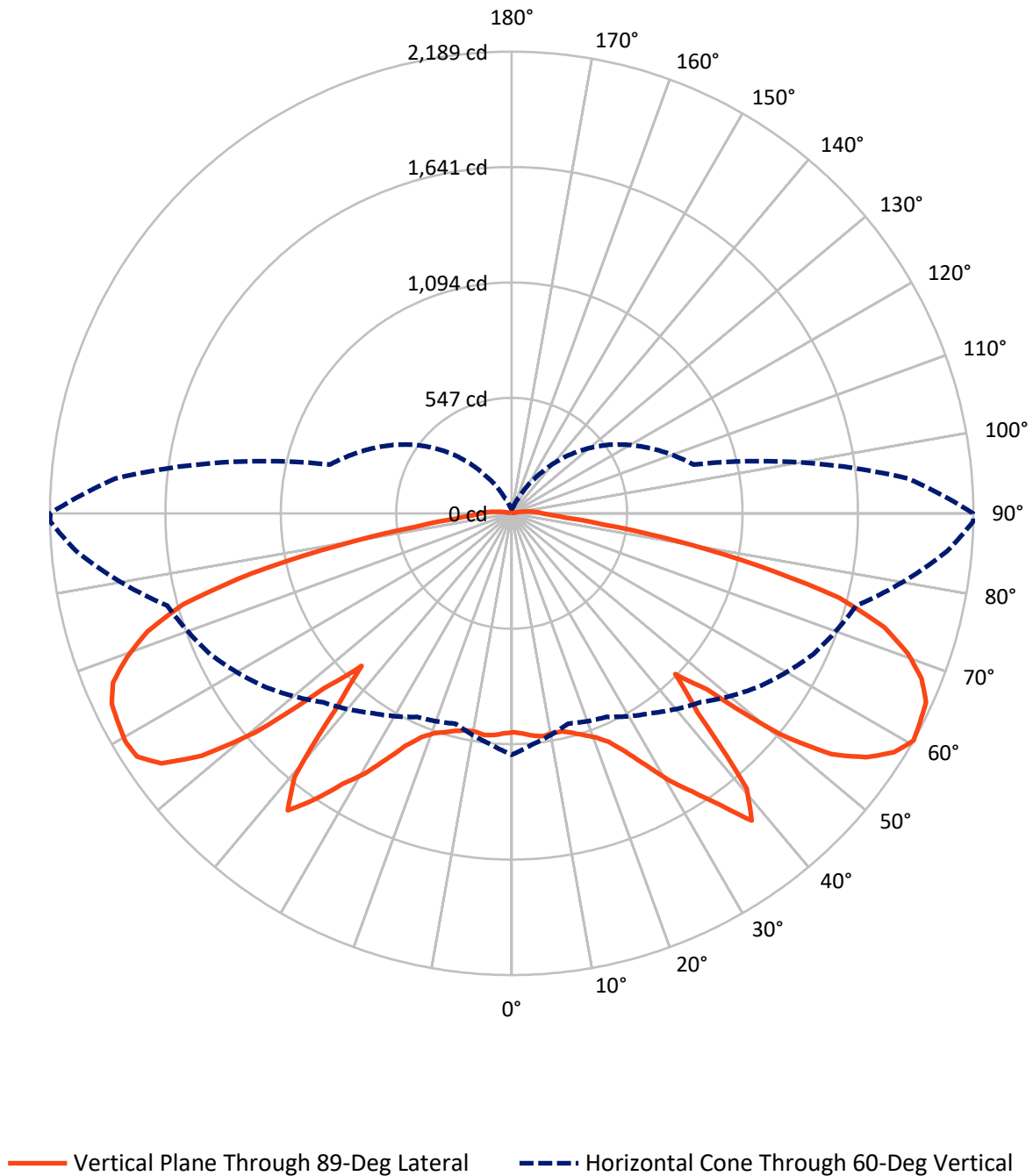
Based on 25 foot mounting height. Maximum calculated value = 1.9 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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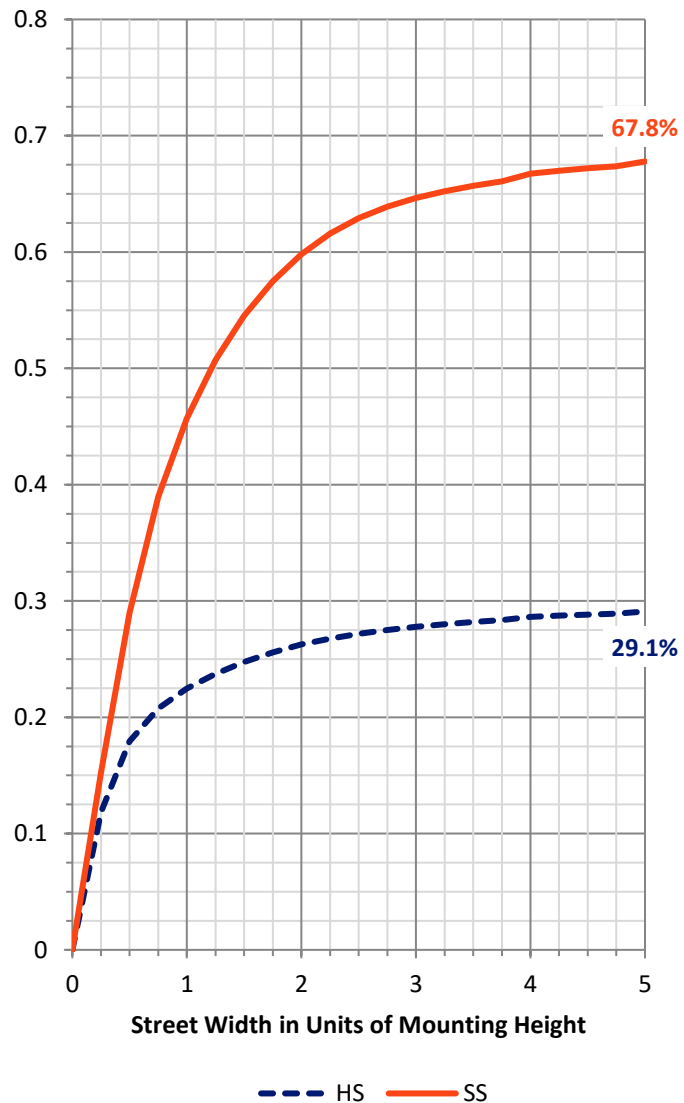
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1422.0	26.7	1448.7
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	3289.9	51.5	3341.3
	% Fixture	68.7	1.1	69.8
Total	Lumens	4711.8	78.1	4790.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.8	2.1
10°-20°	294.6	6.2
20°-30°	486.3	10.2
30°-40°	659.7	13.8
40°-50°	549.5	11.5
50°-60°	760.9	15.9
60°-70°	937.9	19.6
70°-80°	710.1	14.8
80°-90°	213.1	4.4
90°-100°	55.2	1.2
100°-110°	12.6	0.3
110°-120°	5.9	0.1
120°-130°	4.0	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°	4711.8	98.4
0°-180°	4790.0	100.0

Coefficient of Utilization



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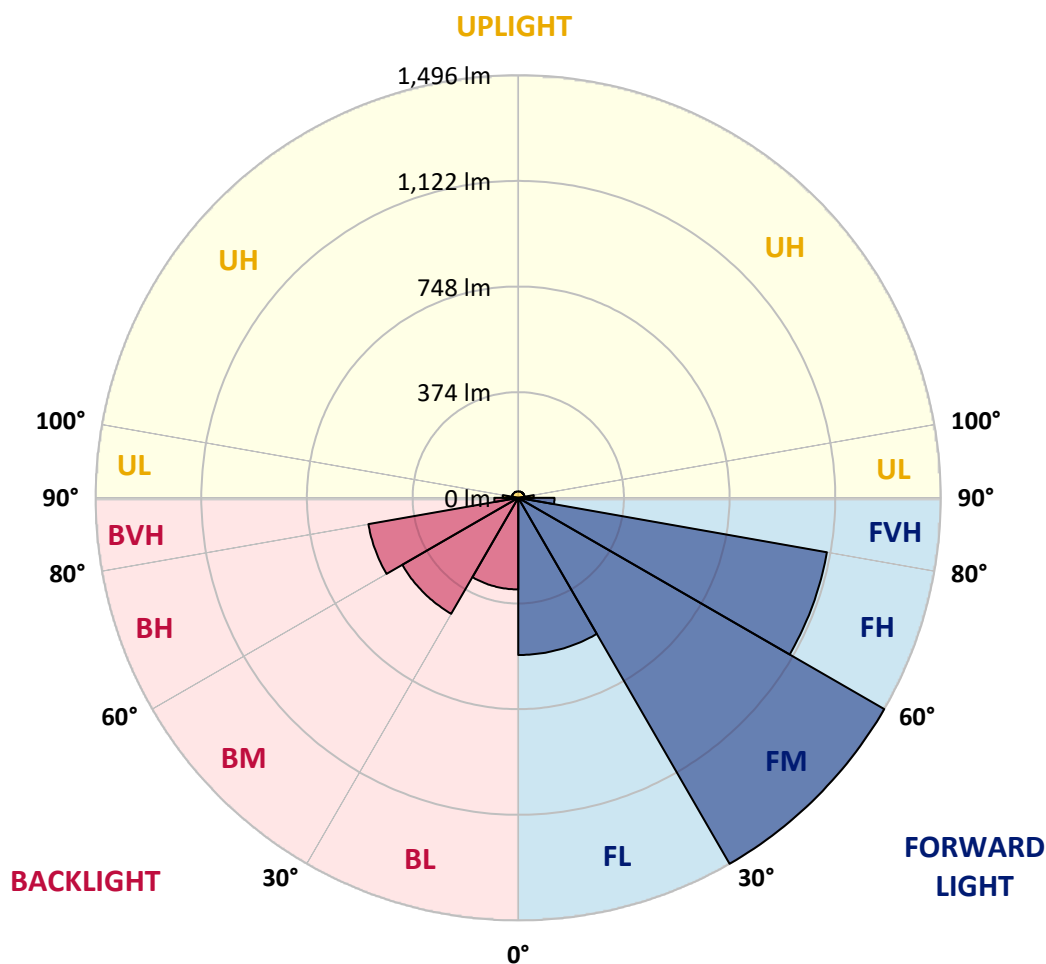
CATALOG NUMBER: CRTK2-C016-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	556.4	11.6			
FM	(30°-60°)	1496.0	31.2			
FH	(60°-80°)	1109.4	23.2			G1/1800
FVH	(80°-90°)	128.1	2.7			G2/225
BL	(0°-30°)	324.3	6.8	B1/500		
BM	(30°-60°)	474.1	9.9	B1/1000		
BH	(60°-80°)	538.6	11.2	B2/1000		G2/1000
BVH	(80°-90°)	84.9	1.8			G1/100
UL	(90°-100°)	55.2	1.2		U3/500	
UH	(100°-180°)	22.9	0.5		U2/50	

BUG Rating: B2-U3-G2

Type III Short



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CATALOG NUMBER: CRTK2-C016-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1038.2	1038.2	1038.2	1038.2	1038.2	1038.2	1038.2	1038.2	1038.2	1038.2	1038.2
2.5°	1089.5	1083.8	1083.8	1083.8	1072.4	1072.4	1064.8	1061.0	1053.4	1047.7	1045.8
5°	1152.3	1148.5	1148.5	1146.6	1135.2	1127.6	1112.3	1099.0	1087.6	1068.6	1059.1
7.5°	1201.7	1196.0	1196.0	1194.1	1182.7	1173.2	1156.1	1125.6	1102.8	1081.9	1066.7
10°	1218.8	1216.9	1215.0	1209.3	1199.8	1192.2	1177.0	1148.5	1112.3	1078.1	1059.1
12.5°	1251.1	1251.1	1245.4	1237.8	1230.2	1222.6	1201.7	1178.9	1139.0	1085.7	1061.0
15°	1293.0	1289.2	1285.4	1281.6	1275.9	1264.5	1245.4	1216.9	1171.3	1106.6	1080.0
17.5°	1310.1	1308.2	1308.2	1310.1	1308.2	1300.6	1296.8	1264.5	1216.9	1135.2	1104.7
20°	1313.9	1315.8	1319.6	1332.9	1336.7	1332.9	1338.6	1319.6	1264.5	1173.2	1133.3
22.5°	1336.7	1340.5	1348.1	1361.4	1367.1	1372.8	1378.5	1393.8	1338.6	1232.1	1177.0
25°	1327.2	1331.0	1353.8	1374.7	1395.7	1412.8	1448.9	1483.1	1443.2	1319.6	1249.2
27.5°	1302.5	1310.1	1350.0	1391.8	1443.2	1488.8	1555.4	1597.2	1564.9	1429.9	1350.0
30°	1323.4	1323.4	1350.0	1410.9	1477.4	1580.1	1667.6	1715.1	1692.3	1536.4	1467.9
32.5°	1279.7	1291.1	1346.2	1437.5	1540.2	1671.4	1756.9	1840.6	1848.2	1679.0	1572.5
35°	1144.7	1163.7	1209.3	1331.0	1488.8	1717.0	1867.2	1979.4	2015.5	1850.1	1694.2
37.5°	943.1	956.4	1036.3	1158.0	1346.2	1564.9	1806.4	2061.2	2161.9	1960.4	1848.2
40°	834.7	844.2	891.8	992.5	1165.6	1376.6	1566.8	1812.1	1867.2	1789.2	1715.1
42.5°	798.6	813.8	872.8	965.9	1106.6	1254.9	1285.4	1376.6	1348.1	1357.6	1293.0
45°	848.0	853.7	897.5	979.2	1064.8	1104.7	1064.8	1127.6	1158.0	1152.3	1087.6
47.5°	872.8	882.3	929.8	1034.4	1034.4	1036.3	1085.7	1123.7	1211.2	1293.0	1247.3
50°	749.2	762.5	849.9	933.6	946.9	1104.7	1234.0	1308.2	1399.5	1618.1	1644.7
52.5°	705.4	714.9	810.0	977.3	1074.3	1235.9	1315.8	1384.2	1462.2	1823.5	1897.6
55°	772.0	789.1	901.3	1074.3	1180.8	1277.8	1380.4	1479.3	1563.0	1985.1	2040.2
57.5°	891.8	924.1	992.5	1089.5	1190.3	1277.8	1414.7	1536.4	1646.6	2047.8	2137.2
60°	1144.7	1100.9	1032.5	1064.8	1156.1	1266.4	1431.8	1578.2	1690.4	2070.7	2188.6
62.5°	1262.6	1230.2	1062.9	1019.2	1099.0	1226.4	1399.5	1578.2	1675.2	2026.9	2173.3
65°	1220.7	1194.1	1074.3	965.9	1028.7	1171.3	1350.0	1555.4	1640.9	1971.8	2158.1
67.5°	1040.1	1013.5	975.4	935.5	962.1	1116.1	1304.4	1513.5	1602.9	1926.2	2095.4
70°	846.1	830.9	817.6	848.0	897.5	1032.5	1213.1	1420.4	1526.9	1815.9	1992.7
72.5°	720.6	711.1	688.3	718.7	796.7	920.3	1076.2	1283.5	1410.9	1629.5	1846.3
75°	612.3	606.6	599.0	614.2	663.6	779.6	903.2	1106.6	1260.7	1422.3	1604.8
77.5°	496.3	488.7	505.8	509.6	547.6	631.3	711.1	880.4	1051.5	1116.1	1197.9
80°	361.3	368.9	397.4	386.0	414.5	443.0	500.1	574.2	709.2	781.5	787.2
82.5°	252.9	260.5	287.1	258.6	266.2	268.1	289.0	315.6	370.8	431.6	439.2
85°	178.7	182.5	188.2	167.3	167.3	167.3	180.6	195.8	224.4	249.1	254.8
87.5°	127.4	127.4	135.0	127.4	125.5	123.6	131.2	136.9	154.0	171.1	174.9
90°	95.1	95.1	98.9	95.1	95.1	95.1	102.7	108.4	123.6	138.8	140.7
92.5°	68.5	68.5	74.2	72.3	72.3	74.2	81.8	85.6	98.9	114.1	116.0
95°	53.2	53.2	57.0	55.1	55.1	58.9	64.6	68.5	78.0	85.6	87.5
97.5°	38.0	38.0	39.9	39.9	39.9	39.9	43.7	49.4	60.8	60.8	58.9
100°	26.6	26.6	28.5	26.6	26.6	28.5	28.5	32.3	38.0	36.1	36.1
102.5°	19.0	19.0	19.0	19.0	19.0	17.1	17.1	19.0	20.9	19.0	19.0
105°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	11.4
107.5°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	9.5	9.5
110°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	7.6



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CATALOG NUMBER: CRTK2-C016-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	7.6	7.6
115°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	7.6	7.6
117.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
120°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
122.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
125°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	7.6	7.6	5.7
127.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
130°	5.7	3.8	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	3.8
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°	1038.2	1038.2	1038.2	1038.2	1038.2	1038.2	1038.2	1038.2	1038.2	1038.2	1038.2
2.5°	1043.9	1040.1	1028.7	1015.4	1004.0	994.4	984.9	977.3	975.4	971.6	975.4
5°	1057.2	1043.9	1017.3	1000.2	984.9	969.7	954.5	946.9	941.2	937.4	937.4
7.5°	1062.9	1043.9	1013.5	990.6	958.3	926.0	907.0	891.8	886.1	891.8	891.8
10°	1053.4	1030.6	994.4	960.2	916.5	889.9	863.3	849.9	842.3	842.3	836.6
12.5°	1057.2	1030.6	977.3	926.0	889.9	842.3	810.0	794.8	783.4	787.2	787.2
15°	1072.4	1036.3	962.1	910.8	848.0	810.0	770.1	760.6	758.7	753.0	749.2
17.5°	1095.2	1042.0	958.3	876.6	811.9	766.3	728.2	711.1	701.6	695.9	694.0
20°	1119.9	1049.6	946.9	844.2	773.9	714.9	669.3	646.5	638.9	638.9	635.1
22.5°	1161.8	1076.2	937.4	829.0	722.5	663.6	618.0	585.6	570.4	568.5	566.6
25°	1230.2	1127.6	946.9	794.8	692.1	604.7	553.3	524.8	507.7	502.0	502.0
27.5°	1334.8	1197.9	960.2	775.8	629.4	549.5	492.5	448.7	424.0	425.9	427.8
30°	1447.0	1302.5	998.3	745.4	589.4	471.6	403.1	368.9	346.1	338.5	334.7
32.5°	1538.3	1410.9	1053.4	720.6	515.3	376.5	317.5	292.8	268.1	247.2	239.6
35°	1679.0	1502.1	1100.9	684.5	454.4	308.0	256.7	218.7	197.7	188.2	184.4
37.5°	1806.4	1591.5	1137.1	676.9	368.9	264.3	203.5	163.5	142.6	140.7	140.7
40°	1652.3	1479.3	1110.4	616.1	290.9	205.4	146.4	116.0	100.8	93.2	93.2
42.5°	1264.5	1133.3	846.1	513.4	209.2	138.8	93.2	87.5	85.6	78.0	78.0
45°	1059.1	836.6	513.4	268.1	98.9	76.1	66.6	66.6	68.5	74.2	74.2
47.5°	1272.1	988.7	378.4	192.0	97.0	66.6	58.9	53.2	49.4	47.5	47.5
50°	1646.6	1407.1	483.0	228.2	116.0	68.5	53.2	47.5	45.6	43.7	39.9
52.5°	1920.4	1648.5	637.0	348.0	186.3	87.5	53.2	39.9	30.4	26.6	24.7
55°	2085.9	1859.6	751.1	500.1	302.3	146.4	66.6	36.1	26.6	22.8	20.9
57.5°	2175.2	1884.3	846.1	637.0	444.9	260.5	116.0	43.7	26.6	20.9	20.9
60°	2186.6	1888.1	891.8	728.2	566.6	395.5	220.6	85.6	34.2	24.7	22.8
62.5°	2177.1	1855.8	903.2	764.4	640.8	505.8	348.0	169.2	53.2	28.5	26.6
65°	2160.0	1857.7	851.8	732.1	640.8	541.9	403.1	222.5	76.1	32.3	30.4
67.5°	2103.0	1852.0	823.3	661.7	579.9	484.9	361.3	207.3	87.5	39.9	38.0
70°	1987.0	1783.5	806.2	633.2	543.8	431.6	304.2	165.4	98.9	68.5	74.2
72.5°	1855.8	1660.0	789.1	608.5	530.5	429.7	306.1	178.7	133.1	112.2	119.8
75°	1660.0	1445.1	758.7	583.7	522.9	443.0	309.9	169.2	125.5	100.8	98.9
77.5°	1277.8	1201.7	692.1	522.9	475.4	408.8	264.3	129.3	93.2	70.4	68.5
80°	834.7	825.2	540.0	422.1	401.2	361.3	220.6	100.8	74.2	57.0	53.2
82.5°	471.6	452.5	336.6	266.2	283.3	292.8	178.7	76.1	57.0	45.6	41.8
85°	268.1	271.9	195.8	144.5	146.4	173.0	116.0	53.2	36.1	26.6	24.7
87.5°	184.4	190.1	127.4	97.0	87.5	81.8	60.8	32.3	20.9	13.3	9.5
90°	150.2	150.2	95.1	70.4	60.8	53.2	34.2	19.0	15.2	7.6	5.7
92.5°	121.7	127.4	79.9	57.0	47.5	41.8	26.6	13.3	9.5	5.7	3.8
95°	91.3	97.0	64.6	47.5	38.0	32.3	22.8	11.4	7.6	3.8	3.8
97.5°	62.7	62.7	45.6	36.1	30.4	24.7	17.1	9.5	5.7	3.8	3.8
100°	36.1	38.0	26.6	22.8	20.9	19.0	11.4	7.6	3.8	1.9	1.9
102.5°	19.0	19.0	13.3	13.3	11.4	11.4	9.5	5.7	3.8	1.9	1.9
105°	11.4	11.4	9.5	9.5	7.6	7.6	5.7	3.8	1.9	0.0	1.9
107.5°	9.5	9.5	7.6	7.6	5.7	5.7	3.8	3.8	1.9	0.0	0.0
110°	7.6	7.6	5.7	5.7	5.7	3.8	3.8	1.9	1.9	0.0	0.0



REPORT NUMBER: P691475

CATALOG NUMBER: CRTK2-C016-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.6	7.6	5.7	5.7	3.8	3.8	3.8	1.9	1.9	0.0	0.0
115°	7.6	5.7	5.7	3.8	3.8	3.8	1.9	1.9	0.0	0.0	0.0
117.5°	7.6	5.7	3.8	3.8	3.8	1.9	1.9	1.9	0.0	0.0	0.0
120°	7.6	5.7	3.8	3.8	3.8	3.8	1.9	1.9	0.0	0.0	0.0
122.5°	7.6	5.7	3.8	3.8	3.8	1.9	1.9	1.9	0.0	0.0	0.0
125°	5.7	5.7	3.8	3.8	1.9	1.9	1.9	1.9	0.0	0.0	0.0
127.5°	5.7	5.7	3.8	3.8	1.9	1.9	1.9	1.9	0.0	0.0	0.0
130°	5.7	5.7	3.8	3.8	1.9	1.9	1.9	1.9	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)