

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: P691476

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691476
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-T2-7030-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5645.9 lumens
Efficiency: N/A
Efficacy: 135.7 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

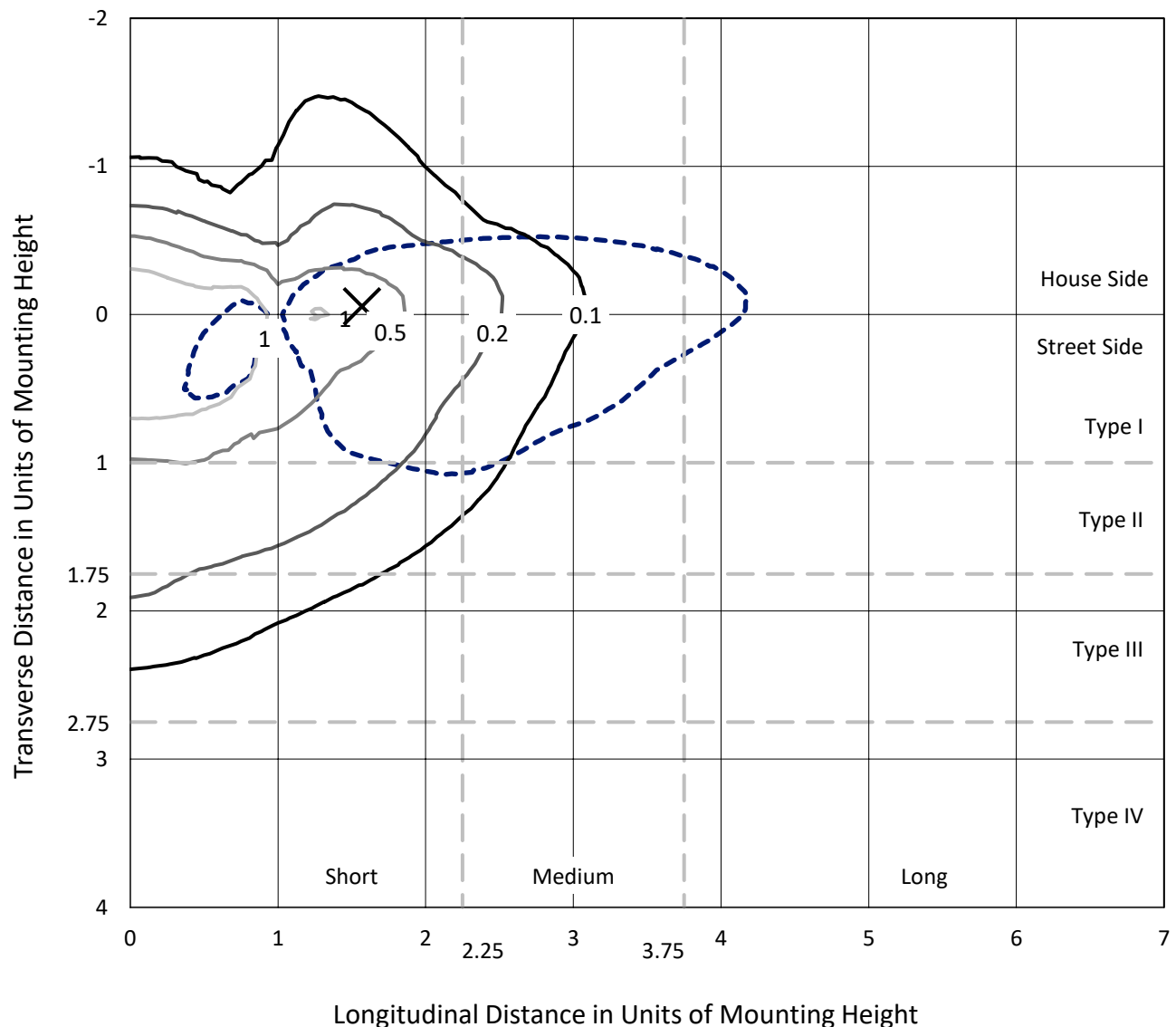


REPORT NUMBER: P691476

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

Iso-Footcandle Lines of Horizontal Illumination

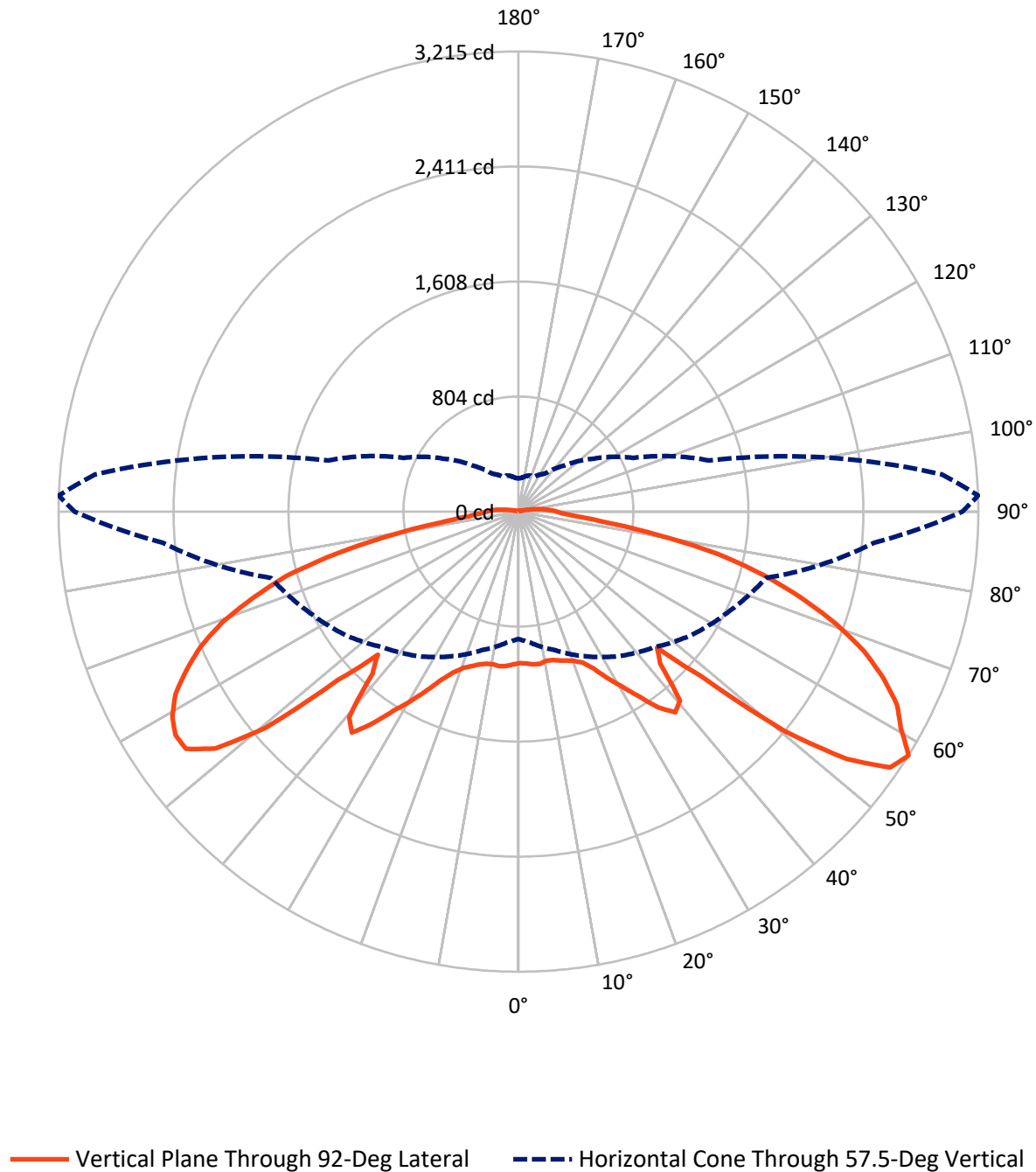
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type I - Short - N/A

REPORT NUMBER: P691476
CATALOG NUMBER: CRTK2-C016-D-U-T2-7030-SR-CARETAKER

Luminous Intensity Polar Plot



REPORT NUMBER: P691476

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

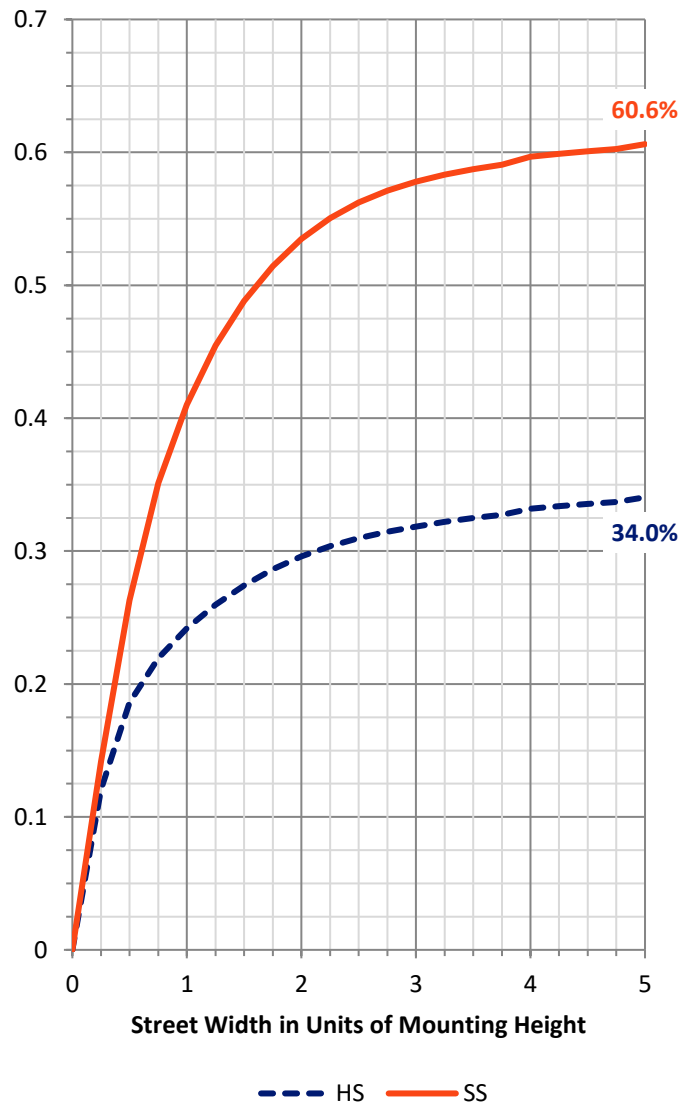
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2014.5	88.0	2102.5
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	3471.6	71.8	3543.4
	% Fixture	61.5	1.3	62.8
Total	Lumens	5486.1	159.8	5645.9
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.6	1.8
10°-20°	299.2	5.3
20°-30°	496.2	8.8
30°-40°	686.8	12.2
40°-50°	641.3	11.4
50°-60°	958.2	17.0
60°-70°	1138.2	20.2
70°-80°	835.4	14.8
80°-90°	329.3	5.8
90°-100°	116.0	2.1
100°-110°	27.4	0.5
110°-120°	10.6	0.2
120°-130°	5.4	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°	5486.1	97.2
0°-180°	5645.9	100.0

Coefficient of Utilization



REPORT NUMBER: P691476

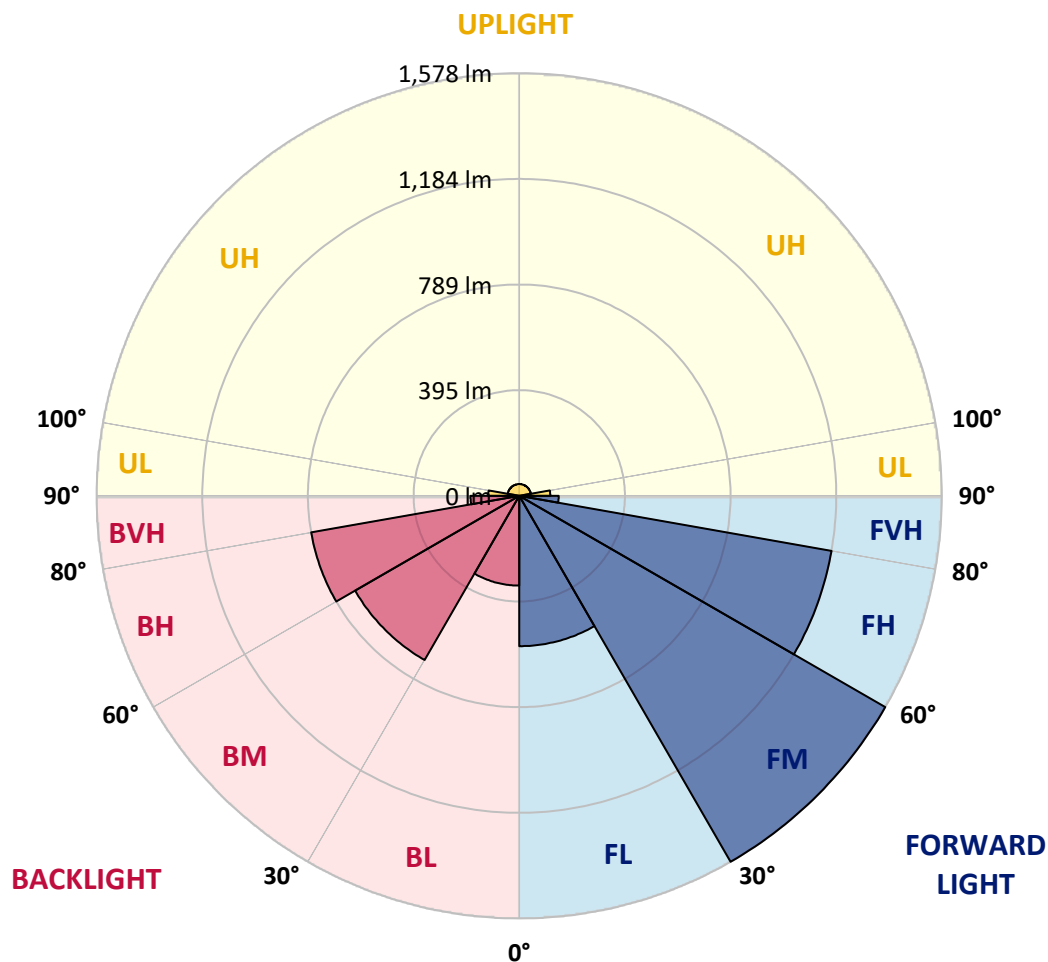
CATALOG NUMBER: CRTK2-C016-D-U-T2-7030-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	561.6	9.9			
FM	(30°-60°)	1578.3	28.0			
FH	(60°-80°)	1184.4	21.0			G1/1800
FVH	(80°-90°)	147.2	2.6			G2/225
BL	(0°-30°)	335.3	5.9	B1/500		
BM	(30°-60°)	707.9	12.5	B1/1000		
BH	(60°-80°)	789.1	14.0	B2/1000		G2/1000
BVH	(80°-90°)	182.1	3.2			G2/225
UL	(90°-100°)	116.0	2.1		U3/500	
UH	(100°-180°)	43.9	0.8		U2/50	

BUG Rating: B2-U3-G2

Type I Short





REPORT NUMBER: P691476

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1059.1	1059.1	1059.1	1059.1	1059.1	1059.1	1059.1	1059.1	1059.1	1059.1	1059.1
2.5°	1104.7	1097.1	1099.0	1097.1	1093.3	1089.5	1085.7	1081.9	1076.2	1070.5	1066.7
5°	1169.4	1161.8	1161.8	1161.8	1154.2	1142.8	1127.5	1118.0	1104.7	1089.5	1078.1
7.5°	1213.1	1207.4	1205.5	1203.6	1194.1	1186.5	1169.4	1139.0	1118.0	1099.0	1081.9
10°	1228.3	1228.3	1226.4	1220.7	1211.2	1201.7	1190.3	1161.8	1127.5	1095.2	1072.4
12.5°	1256.8	1260.6	1254.9	1245.4	1241.6	1230.2	1213.1	1190.3	1152.3	1102.8	1076.2
15°	1300.6	1298.7	1291.1	1289.2	1285.4	1272.1	1256.8	1228.3	1184.6	1121.8	1091.4
17.5°	1319.6	1317.7	1317.7	1317.7	1317.7	1308.2	1306.3	1274.0	1228.3	1152.3	1114.2
20°	1323.4	1323.4	1329.1	1342.4	1344.3	1342.4	1351.9	1331.0	1277.8	1190.3	1139.0
22.5°	1348.1	1350.0	1359.5	1372.8	1382.3	1386.1	1393.7	1403.3	1353.8	1251.1	1186.5
25°	1334.8	1344.3	1365.2	1386.1	1409.0	1422.3	1464.1	1496.4	1454.6	1340.5	1253.0
27.5°	1312.0	1319.6	1361.4	1399.5	1450.8	1505.9	1566.8	1608.6	1583.9	1450.8	1359.5
30°	1332.9	1332.9	1359.5	1422.3	1488.8	1589.6	1679.0	1724.6	1713.2	1566.8	1483.1
32.5°	1289.2	1300.6	1357.6	1448.9	1549.7	1680.9	1772.1	1857.7	1869.1	1717.0	1582.0
35°	1159.9	1184.6	1222.6	1342.4	1513.5	1741.7	1882.4	1990.8	2038.3	1888.1	1730.3
37.5°	958.3	967.8	1047.7	1167.5	1370.9	1597.2	1840.6	2104.9	2203.8	2017.4	1878.6
40°	846.1	851.8	903.2	1007.8	1178.9	1401.4	1606.7	1878.6	1956.6	1937.6	1806.4
42.5°	808.1	817.6	878.5	979.2	1123.7	1277.8	1331.0	1448.9	1418.5	1500.2	1542.1
45°	853.7	859.4	903.2	990.6	1081.9	1148.5	1110.4	1194.1	1235.9	1397.6	1407.1
47.5°	886.1	889.9	937.4	1047.7	1062.9	1064.8	1116.1	1165.6	1281.6	1631.4	1787.3
50°	760.6	779.6	870.9	965.9	973.5	1123.7	1270.2	1369.0	1511.6	2148.6	2447.1
52.5°	705.4	714.9	813.8	979.2	1089.5	1264.5	1369.0	1467.9	1604.8	2373.0	2897.8
55°	773.9	789.1	907.0	1091.4	1201.7	1321.5	1452.7	1574.4	1709.4	2489.0	3099.3
57.5°	889.9	918.4	1004.0	1116.1	1232.1	1340.5	1492.6	1633.3	1791.1	2496.6	3103.1
60°	1119.9	1099.0	1051.5	1100.9	1213.1	1336.7	1511.6	1661.9	1836.8	2494.7	3015.7
62.5°	1277.8	1247.3	1089.5	1066.7	1171.3	1296.8	1469.8	1658.0	1827.3	2411.0	2916.8
65°	1247.3	1226.4	1104.7	1021.1	1097.1	1232.1	1412.8	1635.2	1781.6	2321.6	2738.1
67.5°	1076.2	1051.5	1000.2	967.8	1005.9	1163.7	1359.5	1589.6	1728.4	2219.0	2542.2
70°	878.5	865.2	848.0	882.3	929.8	1078.1	1262.6	1490.7	1627.6	2023.1	2333.1
72.5°	745.4	737.8	716.8	753.0	832.8	965.9	1119.9	1348.1	1502.1	1758.8	2074.5
75°	627.5	629.4	618.0	640.8	692.1	823.3	945.0	1167.5	1338.6	1509.7	1795.0
77.5°	515.3	509.6	521.0	534.3	568.5	663.6	745.4	939.3	1142.8	1197.9	1376.6
80°	376.5	386.0	406.9	405.0	433.5	475.4	530.5	633.2	802.4	857.5	926.0
82.5°	266.2	277.6	296.6	275.7	279.5	290.9	315.6	363.2	452.5	507.7	564.7
85°	188.2	193.9	197.7	182.5	182.5	190.1	207.3	241.5	296.6	330.8	361.3
87.5°	136.9	138.8	146.4	138.8	140.7	144.5	159.7	182.5	228.2	252.9	277.6
90°	104.6	104.6	108.4	106.5	110.3	117.9	133.1	152.1	186.3	216.8	239.6
92.5°	76.1	76.1	79.9	81.8	83.7	93.2	106.5	121.7	144.5	182.5	205.4
95°	58.9	58.9	62.7	62.7	64.6	72.3	83.7	98.9	116.0	142.6	163.5
97.5°	43.7	43.7	47.5	47.5	49.4	55.1	64.6	74.2	89.4	106.5	116.0
100°	34.2	34.2	36.1	36.1	38.0	43.7	49.4	55.1	58.9	68.5	72.3
102.5°	28.5	28.5	28.5	28.5	28.5	32.3	34.2	34.2	36.1	41.8	43.7
105°	22.8	22.8	22.8	20.9	20.9	22.8	22.8	22.8	24.7	24.7	26.6
107.5°	17.1	17.1	17.1	17.1	17.1	19.0	19.0	19.0	19.0	20.9	20.9
110°	15.2	15.2	15.2	15.2	15.2	15.2	17.1	17.1	17.1	17.1	17.1



REPORT NUMBER: P691476

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	13.3	13.3	13.3	13.3	13.3	13.3	15.2	15.2	15.2	15.2	15.2
115°	11.4	11.4	11.4	11.4	11.4	13.3	15.2	13.3	13.3	13.3	13.3
117.5°	9.5	9.5	9.5	11.4	11.4	11.4	13.3	11.4	11.4	11.4	13.3
120°	7.6	7.6	9.5	9.5	9.5	9.5	9.5	9.5	11.4	11.4	11.4
122.5°	7.6	7.6	7.6	7.6	7.6	9.5	9.5	9.5	9.5	9.5	11.4
125°	5.7	5.7	5.7	7.6	7.6	7.6	7.6	7.6	7.6	9.5	9.5
127.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	7.6	7.6	7.6
130°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
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: P691476

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

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1059.1	1059.1	1059.1	1059.1	1059.1	1059.1	1059.1	1059.1	1059.1	1059.1	1059.1
2.5°	1062.9	1062.9	1051.5	1040.1	1028.7	1017.3	1007.8	1002.1	994.4	996.4	996.4
5°	1072.4	1066.7	1042.0	1026.8	1009.7	994.4	979.2	965.9	962.1	960.2	952.6
7.5°	1074.3	1064.8	1038.2	1015.4	983.0	946.9	929.8	914.6	905.1	912.7	908.9
10°	1061.0	1049.6	1019.2	984.9	939.3	908.9	882.3	867.1	859.4	861.3	859.4
12.5°	1064.8	1051.5	1002.1	950.7	912.7	861.3	829.0	815.7	806.2	806.2	800.5
15°	1080.0	1057.2	986.8	933.6	870.9	827.1	789.1	779.6	775.8	772.0	766.3
17.5°	1095.2	1062.9	984.9	903.2	832.8	785.3	747.3	730.2	720.6	720.6	718.7
20°	1114.2	1074.3	973.5	870.9	796.7	734.0	688.3	673.1	665.5	663.6	659.8
22.5°	1146.6	1104.7	967.8	857.5	749.2	684.5	640.8	612.3	597.0	595.1	595.1
25°	1211.2	1159.9	979.2	821.4	716.8	633.2	579.9	551.4	534.3	534.3	532.4
27.5°	1313.9	1232.1	996.4	808.1	656.0	578.0	522.9	479.2	463.9	463.9	465.9
30°	1414.7	1342.4	1040.1	779.6	621.8	505.8	439.2	406.9	387.9	380.3	382.2
32.5°	1534.5	1458.4	1100.9	760.6	553.3	420.2	359.4	342.3	313.7	306.1	300.4
35°	1680.9	1570.6	1169.4	734.0	500.1	357.5	308.0	273.8	260.5	251.0	249.1
37.5°	1779.7	1682.8	1230.2	739.7	425.9	323.2	268.1	232.0	218.7	220.6	220.6
40°	1737.9	1625.7	1245.4	701.6	363.2	281.4	224.4	203.5	195.8	197.7	199.7
42.5°	1452.7	1393.7	1030.6	627.5	300.4	226.3	188.2	188.2	193.9	188.2	188.2
45°	1357.6	1209.3	749.2	441.1	226.3	186.3	178.7	184.4	197.7	197.7	197.7
47.5°	1718.9	1551.6	671.2	368.9	252.9	209.2	193.9	184.4	186.3	184.4	184.4
50°	2411.0	2148.6	901.3	460.1	306.1	249.1	220.6	201.6	201.6	197.7	193.9
52.5°	2871.2	2595.5	1097.1	576.1	384.1	290.9	252.9	218.7	207.3	199.7	197.7
55°	3156.4	2947.2	1266.4	737.8	500.1	346.1	281.4	245.3	228.2	213.0	211.1
57.5°	3215.3	2971.9	1378.5	886.1	644.6	454.4	323.2	271.9	260.5	235.8	232.0
60°	3070.8	2909.2	1422.3	983.0	770.1	599.0	422.1	315.6	290.9	273.8	270.0
62.5°	2970.0	2783.7	1407.1	1015.4	848.0	718.7	555.2	387.9	317.5	319.4	336.6
65°	2800.8	2675.3	1294.9	967.8	844.2	758.7	623.7	448.7	327.0	323.2	344.2
67.5°	2606.9	2508.0	1182.7	863.3	777.7	703.5	579.9	427.8	309.9	290.9	292.8
70°	2357.8	2274.1	1068.6	804.3	716.8	623.7	503.9	370.8	306.1	275.7	275.7
72.5°	2070.7	1971.8	973.5	760.6	684.5	599.0	483.0	357.5	328.9	317.5	327.0
75°	1766.4	1640.9	899.4	718.7	661.7	599.0	481.1	357.5	328.9	319.4	319.4
77.5°	1424.2	1350.0	819.5	652.2	616.1	570.4	443.0	332.8	323.2	319.4	319.4
80°	984.9	973.5	667.4	566.6	557.1	540.0	416.4	321.3	321.3	315.6	308.0
82.5°	604.7	576.1	477.3	424.0	456.3	481.1	378.4	302.3	294.7	289.0	285.2
85°	391.7	393.6	334.7	296.6	315.6	367.0	319.4	273.8	262.4	266.2	266.2
87.5°	300.4	309.9	262.4	241.5	237.7	249.1	251.0	245.3	237.7	232.0	233.9
90°	258.6	262.4	211.1	193.9	192.0	195.8	195.8	207.3	207.3	188.2	176.8
92.5°	216.8	222.5	174.9	157.8	157.8	163.5	167.3	167.3	152.1	123.6	110.3
95°	171.1	174.9	138.8	125.5	127.4	127.4	125.5	119.8	93.2	55.1	49.4
97.5°	119.8	121.7	102.7	95.1	97.0	93.2	81.8	74.2	57.0	32.3	30.4
100°	76.1	78.0	64.6	62.7	68.5	60.8	53.2	49.4	34.2	20.9	24.7
102.5°	45.6	45.6	39.9	38.0	41.8	36.1	32.3	26.6	20.9	13.3	17.1
105°	26.6	26.6	24.7	24.7	24.7	22.8	20.9	17.1	11.4	9.5	9.5
107.5°	20.9	20.9	19.0	19.0	17.1	17.1	15.2	11.4	7.6	5.7	5.7
110°	17.1	17.1	15.2	15.2	15.2	13.3	11.4	9.5	5.7	3.8	3.8



REPORT NUMBER: P691476

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

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.2	15.2	13.3	13.3	11.4	11.4	9.5	7.6	5.7	3.8	3.8
115°	13.3	13.3	11.4	9.5	9.5	9.5	7.6	5.7	3.8	1.9	3.8
117.5°	13.3	13.3	9.5	7.6	7.6	7.6	5.7	5.7	3.8	1.9	1.9
120°	11.4	11.4	7.6	7.6	5.7	5.7	5.7	3.8	1.9	1.9	1.9
122.5°	9.5	9.5	7.6	5.7	5.7	5.7	3.8	3.8	1.9	1.9	1.9
125°	9.5	9.5	5.7	5.7	5.7	3.8	3.8	3.8	1.9	0.0	0.0
127.5°	7.6	7.6	5.7	5.7	3.8	3.8	3.8	1.9	1.9	0.0	0.0
130°	5.7	5.7	5.7	5.7	3.8	3.8	3.8	1.9	1.9	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)