

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: P691716

Luminaire Tested: **CRTK2-C018-D-U-T3-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691716
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-13)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-D-U-T3-8027-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6056.9 lumens
Efficiency: N/A
Efficacy: 120.2 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): 50.4
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



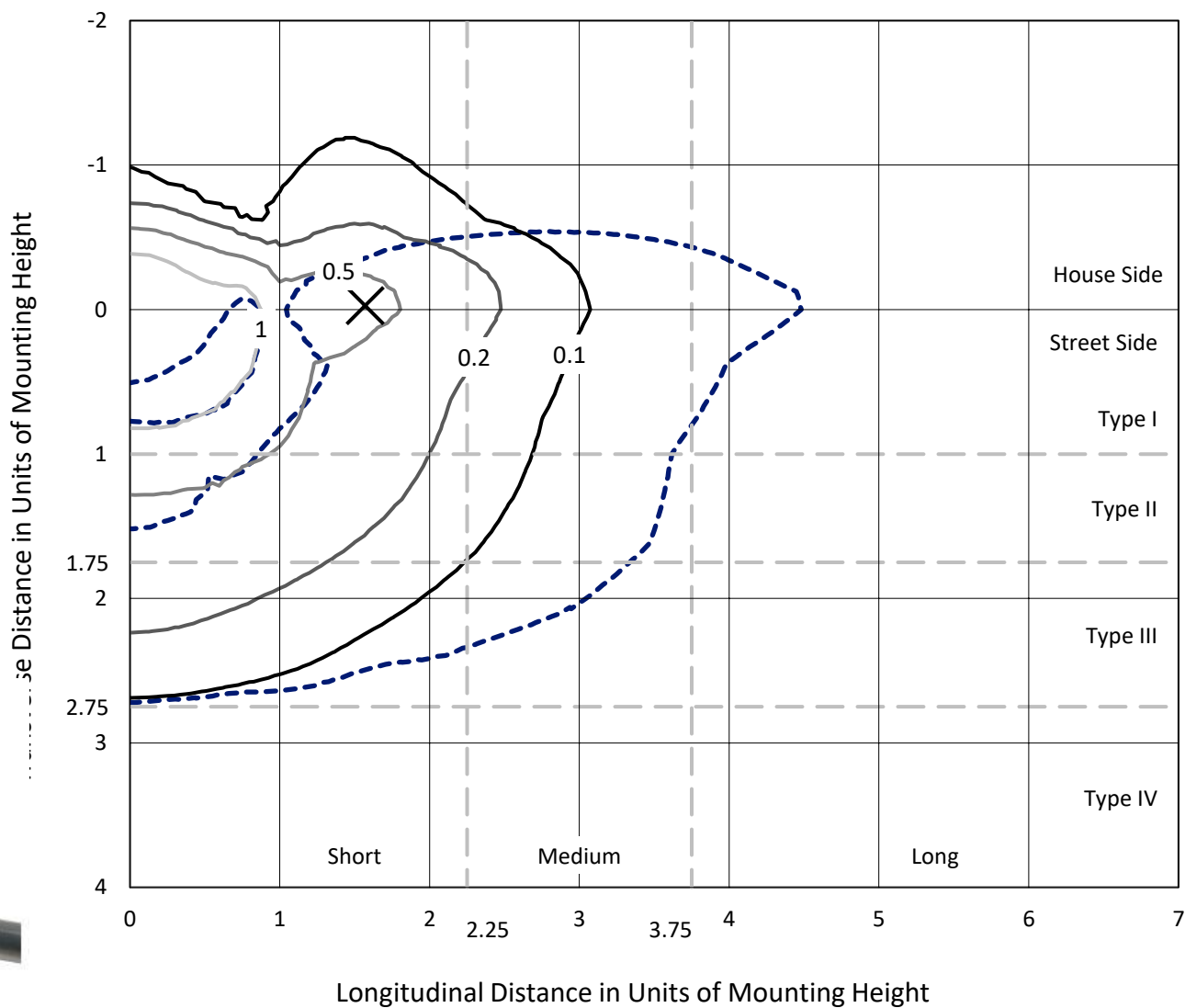
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

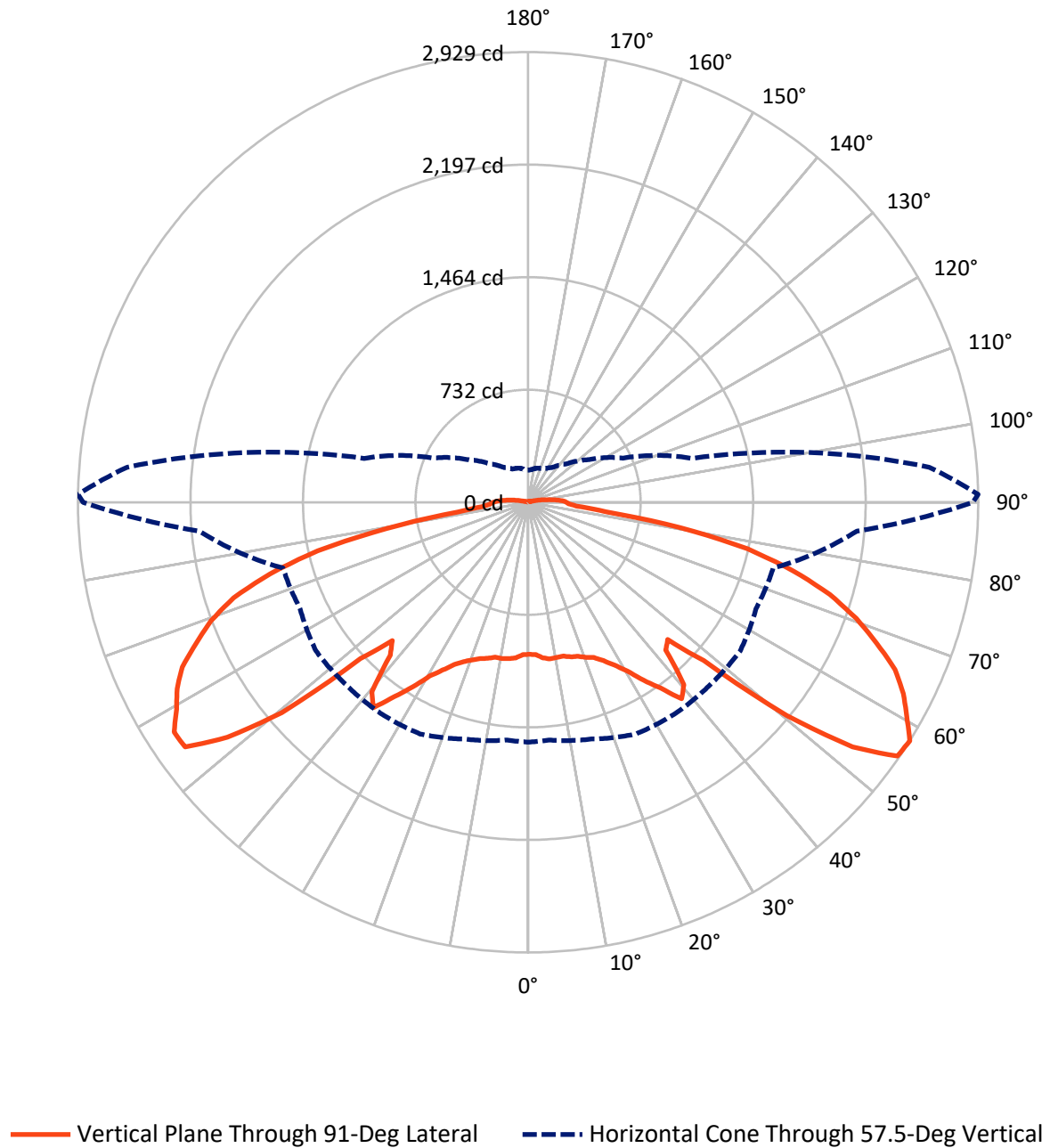


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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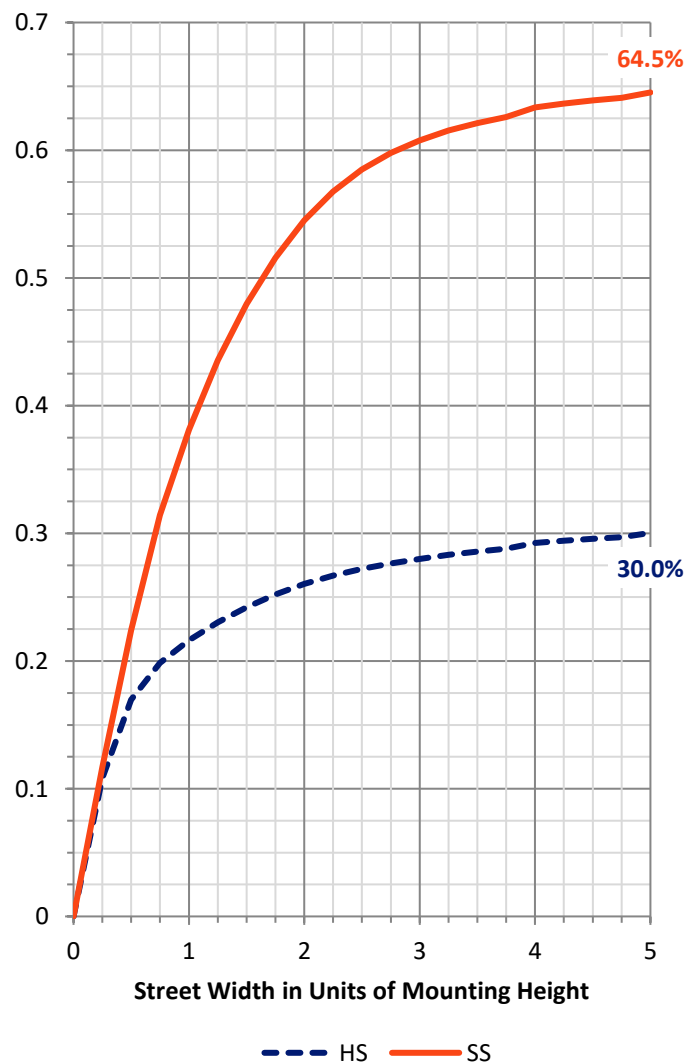
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1922.6	93.5	2016.1
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	3960.9	80.0	4040.9
	% Fixture	65.4	1.3	66.7
Total	Lumens	5883.5	173.4	6056.9
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.7	1.6
10°-20°	294.4	4.9
20°-30°	500.5	8.3
30°-40°	704.2	11.6
40°-50°	668.7	11.0
50°-60°	1001.8	16.5
60°-70°	1296.3	21.4
70°-80°	981.0	16.2
80°-90°	339.8	5.6
90°-100°	127.6	2.1
100°-110°	29.9	0.5
110°-120°	10.3	0.2
120°-130°	5.2	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°	5883.5	97.1
0°-180°	6056.9	100.0

Coefficient of Utilization



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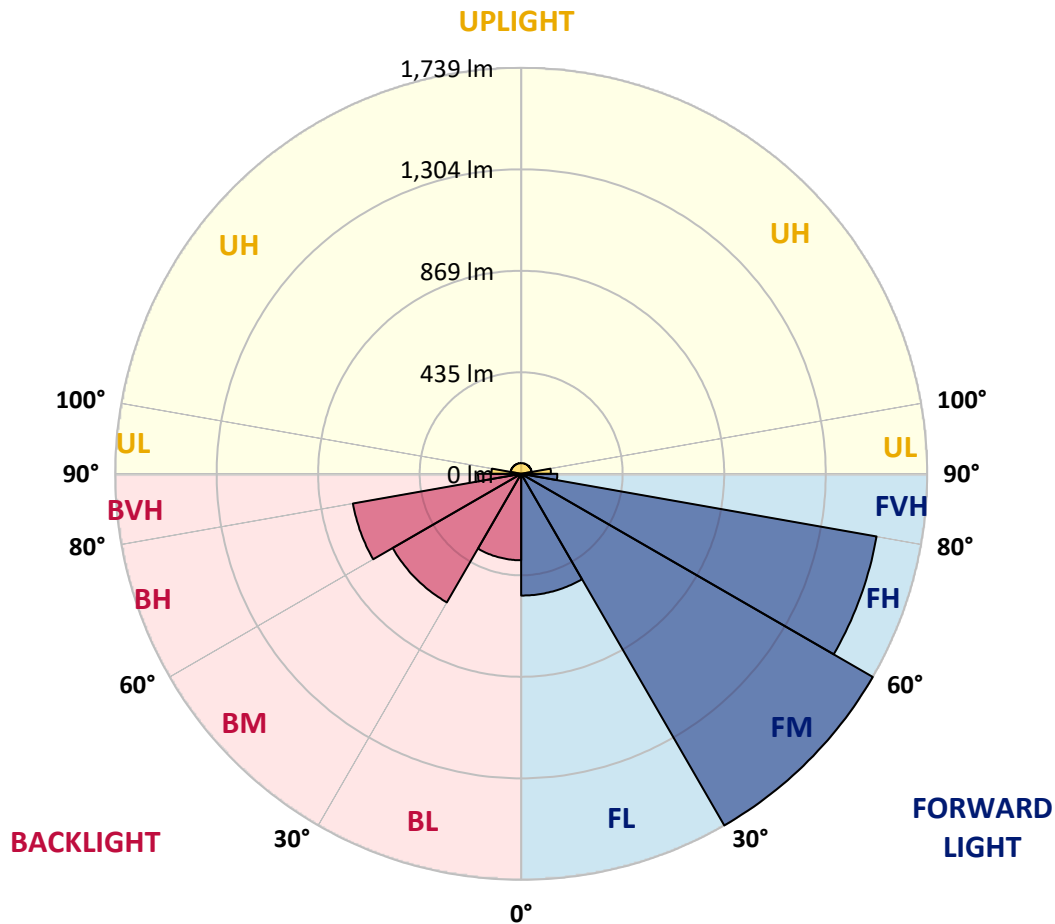
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	521.5	8.6			
FM	(30°-60°)	1738.8	28.7			
FH	(60°-80°)	1545.6	25.5			G1/1800
FVH	(80°-90°)	154.9	2.6			G2/225
BL	(0°-30°)	370.1	6.1	B1/500		
BM	(30°-60°)	635.9	10.5	B1/1000		
BH	(60°-80°)	731.7	12.1	B2/1000		G2/1000
BVH	(80°-90°)	184.9	3.1			G2/225
UL	(90°-100°)	127.6	2.1		U3/500	
UH	(100°-180°)	45.8	0.8		U2/50	

BUG Rating: B2-U3-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	988.9	988.9	988.9	988.9	988.9	988.9	988.9	988.9	988.9	988.9	988.9
2.5°	970.9	970.9	970.9	972.9	978.9	982.9	984.9	982.9	984.9	988.9	992.9
5°	999.0	996.9	994.9	990.9	988.9	988.9	990.9	990.9	994.9	1009.0	1017.0
7.5°	1025.0	1021.0	1019.0	1019.0	1017.0	1007.0	1005.0	999.0	996.9	1015.0	1027.0
10°	1073.2	1069.2	1057.1	1043.1	1039.1	1027.0	1009.0	1005.0	1007.0	1027.0	1031.0
12.5°	1117.3	1115.3	1107.3	1093.2	1073.2	1061.1	1035.1	1023.0	1025.0	1037.1	1029.0
15°	1191.5	1183.5	1159.4	1147.4	1127.3	1105.3	1071.2	1057.1	1061.1	1051.1	1047.1
17.5°	1235.7	1229.6	1229.6	1207.6	1193.5	1155.4	1123.3	1097.2	1107.3	1081.2	1059.1
20°	1275.8	1275.8	1277.8	1281.8	1255.7	1225.6	1181.5	1149.4	1151.4	1113.3	1081.2
22.5°	1338.0	1331.9	1338.0	1344.0	1325.9	1299.8	1245.7	1213.6	1199.5	1151.4	1109.3
25°	1402.1	1398.1	1398.1	1414.2	1420.2	1380.1	1329.9	1295.8	1275.8	1205.6	1149.4
27.5°	1466.3	1468.3	1474.4	1480.4	1490.4	1470.3	1420.2	1394.1	1368.0	1269.8	1213.6
30°	1518.5	1514.5	1540.6	1554.6	1564.6	1572.6	1516.5	1488.4	1460.3	1352.0	1285.8
32.5°	1576.7	1576.7	1600.7	1626.8	1640.9	1656.9	1610.8	1592.7	1562.6	1450.3	1406.2
35°	1624.8	1624.8	1660.9	1705.0	1731.1	1743.2	1719.1	1717.1	1711.1	1584.7	1520.5
37.5°	1462.3	1482.4	1538.5	1626.8	1727.1	1807.3	1813.4	1853.5	1873.5	1737.1	1654.9
40°	1275.8	1281.8	1348.0	1426.2	1520.5	1620.8	1717.1	1835.4	1821.4	1656.9	1584.7
42.5°	1149.4	1165.4	1249.7	1309.9	1372.1	1434.2	1434.2	1430.2	1329.9	1360.0	1331.9
45°	1137.4	1141.4	1211.6	1301.8	1325.9	1239.7	1119.3	1053.1	1061.1	1207.6	1273.8
47.5°	1261.7	1267.7	1340.0	1426.2	1340.0	1187.5	1069.2	1059.1	1053.1	1311.9	1536.5
50°	1327.9	1331.9	1400.1	1444.3	1309.9	1307.9	1309.9	1273.8	1241.7	1721.1	2204.5
52.5°	1368.0	1372.1	1368.0	1424.2	1378.1	1484.4	1448.3	1388.1	1364.0	1993.9	2603.7
55°	1261.7	1287.8	1396.1	1544.6	1548.6	1584.7	1570.6	1516.5	1514.5	2096.2	2902.6
57.5°	1560.6	1552.6	1594.7	1662.9	1675.0	1677.0	1685.0	1636.8	1650.9	2148.4	2894.6
60°	1767.2	1745.2	1701.0	1733.1	1747.2	1769.2	1797.3	1743.2	1759.2	2194.5	2768.2
62.5°	1961.8	1927.7	1757.2	1751.2	1773.2	1817.4	1857.5	1815.4	1829.4	2210.5	2679.9
65°	1933.7	1903.6	1775.2	1705.0	1737.1	1797.3	1853.5	1833.4	1829.4	2176.4	2571.6
67.5°	1666.9	1668.9	1654.9	1654.9	1642.9	1729.1	1819.4	1821.4	1801.3	2090.2	2409.1
70°	1432.2	1424.2	1446.3	1530.5	1542.6	1644.9	1765.2	1785.3	1759.2	1993.9	2252.7
72.5°	1219.6	1213.6	1217.6	1287.8	1388.1	1500.4	1636.8	1685.0	1646.9	1821.4	2062.1
75°	1009.0	1003.0	1001.0	1025.0	1105.3	1245.7	1402.1	1488.4	1456.3	1570.6	1783.3
77.5°	766.3	754.2	754.2	762.3	822.4	948.8	1099.2	1219.6	1203.6	1265.7	1438.3
80°	509.5	511.5	507.5	505.5	545.6	619.8	730.2	874.6	866.6	866.6	954.8
82.5°	323.0	323.0	329.0	308.9	304.9	312.9	339.0	397.2	401.2	439.3	469.4
85°	206.6	208.6	208.6	188.6	182.5	188.6	206.6	224.7	232.7	270.8	304.9
87.5°	150.4	150.4	146.4	142.4	144.4	150.4	164.5	180.5	194.6	224.7	254.8
90°	114.3	114.3	112.3	110.3	114.3	122.4	140.4	158.5	176.5	210.6	238.7
92.5°	94.3	94.3	92.3	92.3	94.3	100.3	116.3	136.4	154.5	182.5	208.6
95°	78.2	80.2	78.2	80.2	82.2	86.3	96.3	112.3	124.4	142.4	160.5
97.5°	62.2	64.2	64.2	64.2	66.2	72.2	78.2	88.3	96.3	104.3	116.3
100°	46.1	48.1	48.1	48.1	50.1	56.2	62.2	66.2	68.2	70.2	76.2
102.5°	34.1	36.1	36.1	36.1	36.1	40.1	42.1	44.1	44.1	44.1	46.1
105°	24.1	24.1	24.1	24.1	24.1	24.1	26.1	26.1	26.1	26.1	26.1
107.5°	18.1	18.1	18.1	18.1	18.1	18.1	20.1	20.1	20.1	20.1	20.1
110°	16.0	16.0	16.0	16.0	16.0	16.0	16.0	18.1	16.0	16.0	18.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.0	14.0	14.0	14.0	14.0	14.0	16.0	16.0	14.0	14.0	14.0
115°	12.0	12.0	12.0	12.0	12.0	12.0	14.0	14.0	12.0	12.0	12.0
117.5°	10.0	10.0	10.0	10.0	10.0	10.0	12.0	12.0	10.0	12.0	12.0
120°	10.0	12.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	12.0
122.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	10.0	10.0
125°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
127.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.0	8.0
130°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
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

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CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	988.9	988.9	988.9	988.9	988.9	988.9	988.9	988.9	988.9	988.9	988.9
2.5°	992.9	996.9	1005.0	1013.0	1021.0	1029.0	1033.1	1035.1	1037.1	1033.1	1035.1
5°	1017.0	1021.0	1033.1	1045.1	1043.1	1037.1	1029.0	1029.0	1031.0	1031.0	1035.1
7.5°	1029.0	1035.1	1031.0	1033.1	1037.1	1031.0	1023.0	1013.0	1001.0	1001.0	1003.0
10°	1027.0	1021.0	1027.0	1021.0	1007.0	1005.0	1001.0	986.9	978.9	980.9	980.9
12.5°	1027.0	1025.0	1013.0	1007.0	994.9	972.9	962.8	966.9	956.8	958.8	954.8
15°	1043.1	1029.0	1013.0	992.9	966.9	954.8	940.8	918.7	916.7	916.7	916.7
17.5°	1053.1	1043.1	1007.0	966.9	948.8	918.7	902.7	896.7	880.6	886.6	890.6
20°	1077.2	1053.1	1001.0	958.8	896.7	878.6	852.5	846.5	838.5	814.4	806.4
22.5°	1097.2	1075.2	994.9	920.7	868.6	826.4	786.3	758.2	744.2	734.2	726.1
25°	1141.4	1107.3	1001.0	902.7	822.4	768.3	732.2	682.0	647.9	643.9	647.9
27.5°	1199.5	1145.4	1015.0	878.6	786.3	702.1	629.9	595.8	559.7	547.6	549.6
30°	1273.8	1201.6	1013.0	856.5	722.1	625.9	533.6	475.4	447.3	435.3	433.3
32.5°	1380.1	1279.8	1059.1	828.4	664.0	519.5	419.2	347.0	333.0	331.0	329.0
35°	1484.4	1406.2	1081.2	786.3	579.7	417.2	316.9	272.8	270.8	268.8	266.8
37.5°	1622.8	1530.5	1143.4	760.2	499.5	314.9	254.8	222.7	216.6	206.6	210.6
40°	1560.6	1484.4	1161.4	720.1	387.1	232.7	190.6	164.5	160.5	162.5	160.5
42.5°	1313.9	1257.7	1013.0	619.8	266.8	170.5	142.4	146.4	154.5	160.5	160.5
45°	1273.8	1163.4	730.2	439.3	172.5	142.4	138.4	144.4	158.5	172.5	174.5
47.5°	1538.5	1398.1	639.9	339.0	198.6	162.5	148.4	148.4	156.5	158.5	156.5
50°	2180.4	1967.8	748.2	389.2	246.7	196.6	170.5	160.5	164.5	168.5	166.5
52.5°	2643.8	2377.0	852.5	465.4	308.9	234.7	200.6	176.5	172.5	172.5	170.5
55°	2914.6	2611.7	974.9	573.7	387.1	282.8	232.7	204.6	194.6	186.6	186.6
57.5°	2928.7	2619.7	1103.3	680.0	483.4	353.0	276.8	238.7	230.7	212.6	208.6
60°	2830.4	2585.6	1201.6	786.3	575.7	451.3	353.0	296.9	286.8	276.8	270.8
62.5°	2740.1	2529.5	1249.7	874.6	674.0	561.7	449.3	371.1	339.0	351.0	359.1
65°	2623.8	2467.3	1217.6	882.6	718.1	627.9	519.5	405.2	351.0	377.1	391.2
67.5°	2445.2	2304.8	1137.4	810.4	670.0	587.7	487.4	381.1	339.0	349.0	349.0
70°	2264.7	2114.2	1059.1	754.2	603.8	517.5	423.3	341.0	335.0	329.0	329.0
72.5°	2052.1	1873.5	956.8	720.1	577.7	503.5	411.2	343.0	359.1	367.1	367.1
75°	1783.3	1584.7	848.5	690.0	565.7	513.5	413.2	369.1	397.2	401.2	401.2
77.5°	1460.3	1243.7	722.1	635.9	531.6	493.5	385.1	363.1	391.2	397.2	399.2
80°	1005.0	880.6	605.8	553.6	475.4	443.3	355.0	353.0	381.1	395.2	397.2
82.5°	509.5	501.5	441.3	435.3	405.2	387.1	329.0	343.0	373.1	393.2	395.2
85°	314.9	327.0	294.9	290.9	300.9	308.9	298.9	327.0	349.0	371.1	375.1
87.5°	262.8	276.8	246.7	234.7	238.7	252.7	264.8	294.9	314.9	333.0	335.0
90°	246.7	258.8	210.6	200.6	208.6	218.6	226.7	242.7	258.8	268.8	268.8
92.5°	216.6	220.7	174.5	166.5	178.5	184.5	182.5	186.6	186.6	166.5	166.5
95°	166.5	166.5	132.4	132.4	142.4	144.4	130.4	118.3	110.3	66.2	56.2
97.5°	120.4	118.3	96.3	96.3	104.3	102.3	86.3	72.2	60.2	38.1	40.1
100°	80.2	78.2	64.2	68.2	72.2	64.2	54.2	44.1	36.1	24.1	28.1
102.5°	48.1	46.1	42.1	44.1	42.1	40.1	32.1	26.1	22.1	14.0	16.0
105°	28.1	26.1	26.1	26.1	26.1	24.1	22.1	16.0	12.0	8.0	8.0
107.5°	20.1	20.1	20.1	18.1	18.1	16.0	14.0	12.0	8.0	6.0	4.0
110°	18.1	16.0	16.0	16.0	14.0	14.0	12.0	10.0	6.0	4.0	4.0

REPORT NUMBER: P691716

CATALOG NUMBER: CRTK2-C018-D-U-T3-8027-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.0	14.0	14.0	12.0	12.0	10.0	8.0	8.0	6.0	2.0	2.0
115°	12.0	12.0	10.0	10.0	8.0	8.0	6.0	6.0	4.0	2.0	2.0
117.5°	12.0	12.0	8.0	8.0	6.0	6.0	6.0	4.0	2.0	2.0	2.0
120°	12.0	10.0	8.0	6.0	6.0	6.0	4.0	4.0	2.0	0.0	2.0
122.5°	10.0	10.0	6.0	6.0	4.0	4.0	4.0	2.0	2.0	0.0	0.0
125°	8.0	8.0	6.0	4.0	4.0	4.0	4.0	2.0	2.0	0.0	0.0
127.5°	8.0	8.0	6.0	4.0	4.0	4.0	4.0	2.0	2.0	0.0	0.0
130°	6.0	6.0	4.0	4.0	4.0	4.0	2.0	2.0	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)