

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: P691684

Luminaire Tested: **CRTK2-C018-D-U-T2-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691684
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-C018-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: 5955 lumens
Efficiency: N/A
Efficacy: 118.2 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): 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



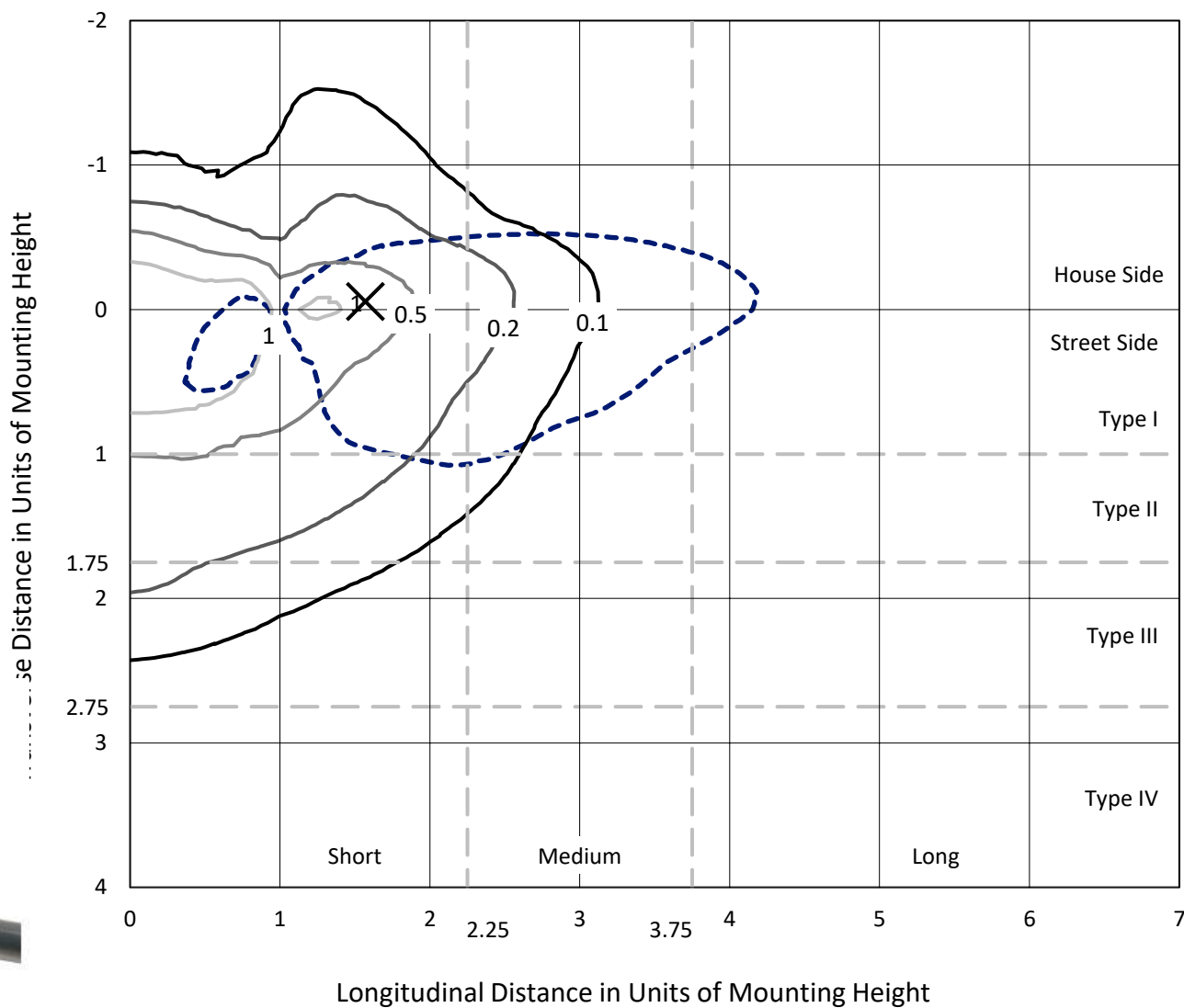
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

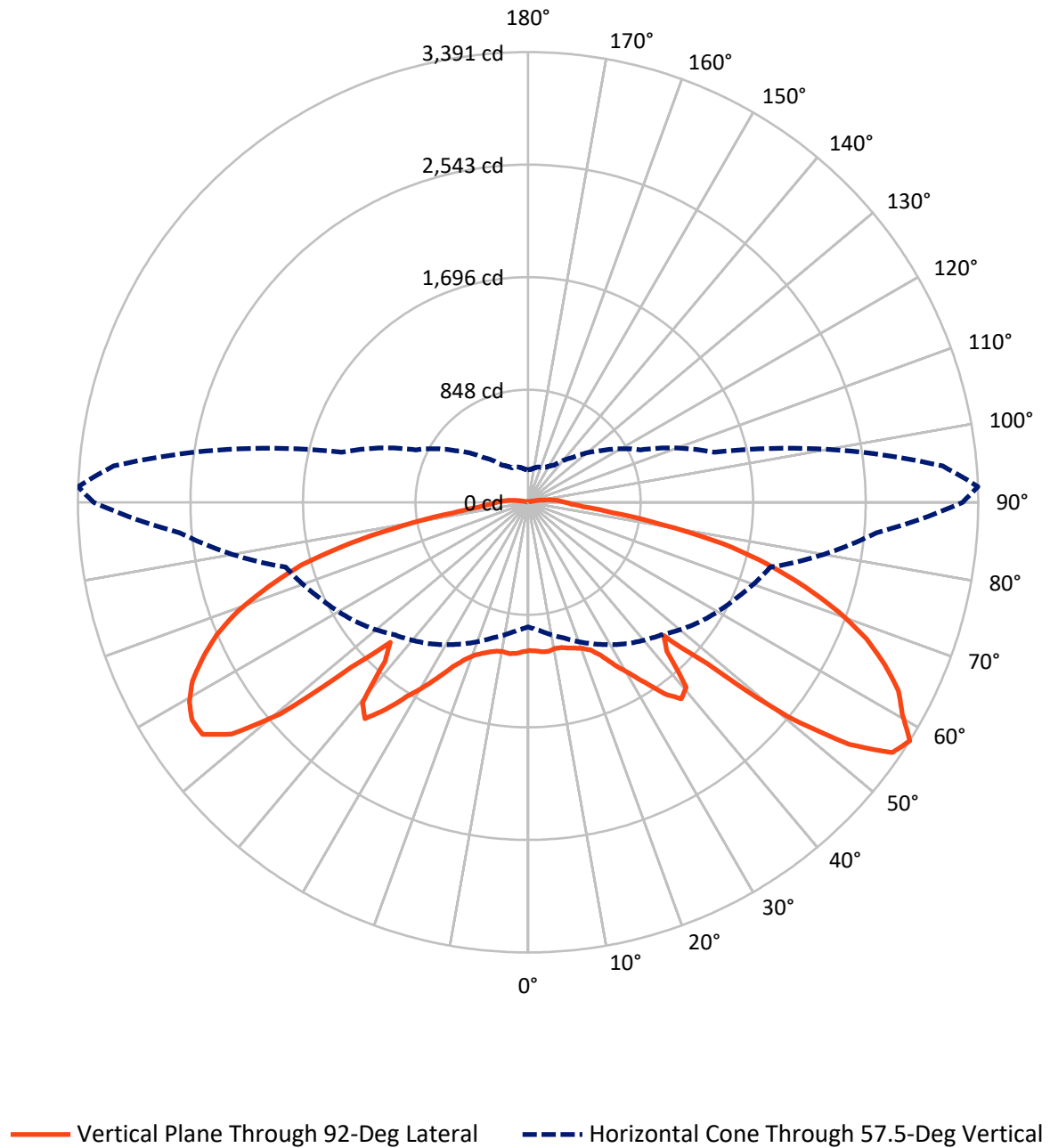


Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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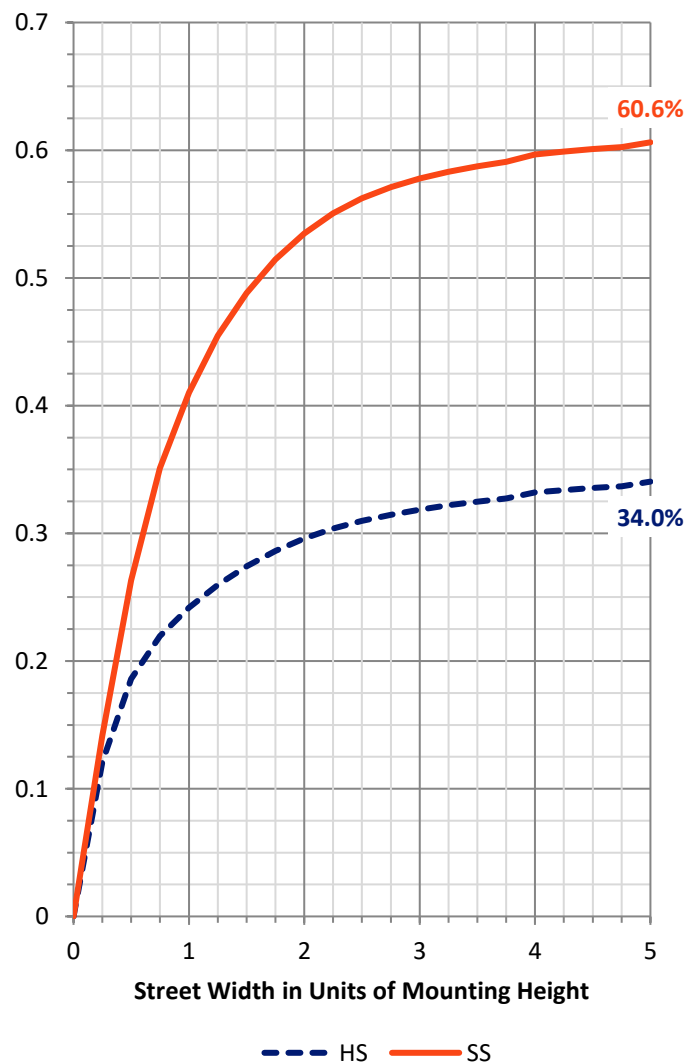
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2124.8	92.8	2217.6
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	3661.6	75.8	3737.3
	% Fixture	61.5	1.3	62.8
Total	Lumens	5786.4	168.6	5955.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.1	1.8
10°-20°	315.6	5.3
20°-30°	523.4	8.8
30°-40°	724.4	12.2
40°-50°	676.4	11.4
50°-60°	1010.6	17.0
60°-70°	1200.5	20.2
70°-80°	881.1	14.8
80°-90°	347.4	5.8
90°-100°	122.3	2.1
100°-110°	28.9	0.5
110°-120°	11.1	0.2
120°-130°	5.7	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°	5786.4	97.2
0°-180°	5955.0	100.0

Coefficient of Utilization



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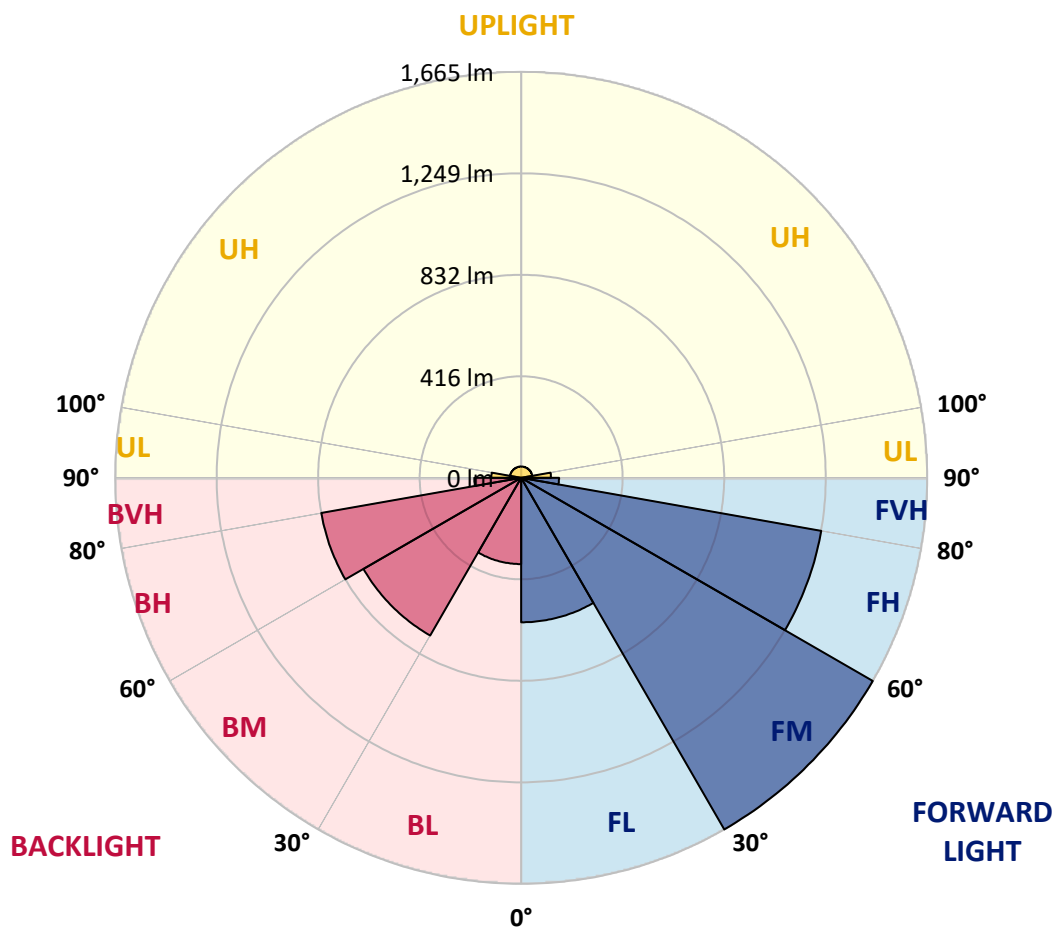
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	592.4	9.9			
FM	(30°-60°)	1664.7	28.0			
FH	(60°-80°)	1249.3	21.0			G1/1800
FVH	(80°-90°)	155.3	2.6			G2/225
BL	(0°-30°)	353.7	5.9	B1/500		
BM	(30°-60°)	746.7	12.5	B1/1000		
BH	(60°-80°)	832.3	14.0	B2/1000		G2/1000
BVH	(80°-90°)	192.1	3.2			G2/225
UL	(90°-100°)	122.3	2.1		U3/500	
UH	(100°-180°)	46.2	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°	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1
2.5°	1165.2	1157.2	1159.2	1157.2	1153.2	1149.1	1145.1	1141.1	1135.1	1129.1	1125.1
5°	1233.4	1225.4	1225.4	1225.4	1217.3	1205.3	1189.3	1179.2	1165.2	1149.1	1137.1
7.5°	1279.5	1273.5	1271.5	1269.5	1259.5	1251.4	1233.4	1201.3	1179.2	1159.2	1141.1
10°	1295.6	1295.6	1293.5	1287.5	1277.5	1267.5	1255.4	1225.4	1189.3	1155.2	1131.1
12.5°	1325.6	1329.6	1323.6	1313.6	1309.6	1297.6	1279.5	1255.4	1215.3	1163.2	1135.1
15°	1371.8	1369.8	1361.7	1359.7	1355.7	1341.7	1325.6	1295.6	1249.4	1183.2	1151.2
17.5°	1391.8	1389.8	1389.8	1389.8	1389.8	1379.8	1377.8	1343.7	1295.6	1215.3	1175.2
20°	1395.8	1395.8	1401.8	1415.9	1417.9	1415.9	1425.9	1403.8	1347.7	1255.4	1201.3
22.5°	1421.9	1423.9	1433.9	1448.0	1458.0	1462.0	1470.0	1480.1	1427.9	1319.6	1251.4
25°	1407.9	1417.9	1439.9	1462.0	1486.1	1500.1	1544.2	1578.3	1534.2	1413.9	1321.6
27.5°	1383.8	1391.8	1435.9	1476.0	1530.2	1588.4	1652.5	1696.6	1670.6	1530.2	1433.9
30°	1405.9	1405.9	1433.9	1500.1	1570.3	1676.6	1770.9	1819.0	1807.0	1652.5	1564.3
32.5°	1359.7	1371.8	1431.9	1528.2	1634.5	1772.9	1869.1	1959.4	1971.4	1811.0	1668.6
35°	1223.4	1249.4	1289.5	1415.9	1596.4	1837.0	1985.4	2099.8	2149.9	1991.5	1825.0
37.5°	1010.8	1020.8	1105.0	1231.4	1446.0	1684.6	1941.3	2220.1	2324.4	2127.8	1981.4
40°	892.4	898.5	952.6	1062.9	1243.4	1478.1	1694.6	1981.4	2063.7	2043.6	1905.2
42.5°	852.3	862.4	926.5	1032.8	1185.2	1347.7	1403.8	1528.2	1496.1	1582.3	1626.5
45°	900.5	906.5	952.6	1044.9	1141.1	1211.3	1171.2	1259.5	1303.6	1474.0	1484.1
47.5°	934.6	938.6	988.7	1105.0	1121.1	1123.1	1177.2	1229.4	1351.7	1720.7	1885.2
50°	802.2	822.3	918.5	1018.8	1026.8	1185.2	1339.7	1444.0	1594.4	2266.2	2581.1
52.5°	744.0	754.1	858.4	1032.8	1149.1	1333.7	1444.0	1548.2	1692.6	2502.9	3056.4
55°	816.2	832.3	956.6	1151.2	1267.5	1393.8	1532.2	1660.6	1802.9	2625.2	3269.0
57.5°	938.6	968.7	1058.9	1177.2	1299.6	1413.9	1574.3	1722.7	1889.2	2633.2	3273.0
60°	1181.2	1159.2	1109.0	1161.2	1279.5	1409.9	1594.4	1752.8	1937.3	2631.2	3180.7
62.5°	1347.7	1315.6	1149.1	1125.1	1235.4	1367.7	1550.2	1748.8	1927.3	2543.0	3076.4
65°	1315.6	1293.5	1165.2	1077.0	1157.2	1299.6	1490.1	1724.7	1879.1	2448.7	2887.9
67.5°	1135.1	1109.0	1054.9	1020.8	1060.9	1227.4	1433.9	1676.6	1823.0	2340.4	2681.3
70°	926.5	912.5	894.5	930.6	980.7	1137.1	1331.6	1572.3	1716.7	2133.8	2460.7
72.5°	786.2	778.1	756.1	794.2	878.4	1018.8	1181.2	1421.9	1584.3	1855.1	2188.0
75°	661.8	663.8	651.8	675.9	730.0	868.4	996.7	1231.4	1411.9	1592.4	1893.2
77.5°	543.5	537.5	549.5	563.5	599.6	699.9	786.2	990.7	1205.3	1263.5	1452.0
80°	397.1	407.1	429.2	427.2	457.3	501.4	559.5	667.8	846.3	904.5	976.7
82.5°	280.8	292.8	312.9	290.8	294.8	306.8	332.9	383.0	477.3	535.5	595.6
85°	198.5	204.6	208.6	192.5	192.5	200.5	218.6	254.7	312.9	349.0	381.0
87.5°	144.4	146.4	154.4	146.4	148.4	152.4	168.5	192.5	240.7	266.7	292.8
90°	110.3	110.3	114.3	112.3	116.3	124.3	140.4	160.4	196.5	228.6	252.7
92.5°	80.2	80.2	84.2	86.2	88.2	98.3	112.3	128.4	152.4	192.5	216.6
95°	62.2	62.2	66.2	66.2	68.2	76.2	88.2	104.3	122.3	150.4	172.5
97.5°	46.1	46.1	50.1	50.1	52.1	58.2	68.2	78.2	94.3	112.3	122.3
100°	36.1	36.1	38.1	38.1	40.1	46.1	52.1	58.2	62.2	72.2	76.2
102.5°	30.1	30.1	30.1	30.1	30.1	34.1	36.1	36.1	38.1	44.1	46.1
105°	24.1	24.1	24.1	22.1	22.1	24.1	24.1	24.1	26.1	26.1	28.1
107.5°	18.0	18.0	18.0	18.0	18.0	20.1	20.1	20.1	20.1	22.1	22.1
110°	16.0	16.0	16.0	16.0	16.0	16.0	18.0	18.0	18.0	18.0	18.0

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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	16.0	16.0	16.0
115°	12.0	12.0	12.0	12.0	12.0	14.0	16.0	14.0	14.0	14.0	14.0
117.5°	10.0	10.0	10.0	12.0	12.0	12.0	14.0	12.0	12.0	12.0	14.0
120°	8.0	8.0	10.0	10.0	10.0	10.0	10.0	10.0	12.0	12.0	12.0
122.5°	8.0	8.0	8.0	8.0	8.0	10.0	10.0	10.0	10.0	10.0	12.0
125°	6.0	6.0	6.0	8.0	8.0	8.0	8.0	8.0	8.0	10.0	10.0
127.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.0	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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1
2.5°	1121.1	1121.1	1109.0	1097.0	1085.0	1072.9	1062.9	1056.9	1048.9	1050.9	1050.9
5°	1131.1	1125.1	1099.0	1083.0	1064.9	1048.9	1032.8	1018.8	1014.8	1012.8	1004.8
7.5°	1133.1	1123.1	1095.0	1070.9	1036.8	998.7	980.7	964.6	954.6	962.6	958.6
10°	1119.1	1107.0	1074.9	1038.8	990.7	958.6	930.6	914.5	906.5	908.5	906.5
12.5°	1123.1	1109.0	1056.9	1002.7	962.6	908.5	874.4	860.4	850.3	850.3	844.3
15°	1139.1	1115.1	1040.9	984.7	918.5	872.4	832.3	822.3	818.2	814.2	808.2
17.5°	1155.2	1121.1	1038.8	952.6	878.4	828.3	788.2	770.1	760.1	760.1	758.1
20°	1175.2	1133.1	1026.8	918.5	840.3	774.1	726.0	709.9	701.9	699.9	695.9
22.5°	1209.3	1165.2	1020.8	904.5	790.2	722.0	675.9	645.8	629.7	627.7	627.7
25°	1277.5	1223.4	1032.8	866.4	756.1	667.8	611.7	581.6	563.5	563.5	561.5
27.5°	1385.8	1299.6	1050.9	852.3	691.9	609.7	551.5	505.4	489.3	489.3	491.3
30°	1492.1	1415.9	1097.0	822.3	655.8	533.5	463.3	429.2	409.1	401.1	403.1
32.5°	1618.4	1538.2	1161.2	802.2	583.6	443.2	379.0	361.0	330.9	322.9	316.9
35°	1772.9	1656.5	1233.4	774.1	527.4	377.0	324.9	288.8	274.8	264.7	262.7
37.5°	1877.1	1774.9	1297.6	780.1	449.2	340.9	282.8	244.7	230.6	232.6	232.6
40°	1833.0	1714.7	1313.6	740.0	383.0	296.8	236.6	214.6	206.6	208.6	210.6
42.5°	1532.2	1470.0	1087.0	661.8	316.9	238.7	198.5	198.5	204.6	198.5	198.5
45°	1431.9	1275.5	790.2	465.3	238.7	196.5	188.5	194.5	208.6	208.6	208.6
47.5°	1813.0	1636.5	707.9	389.1	266.7	220.6	204.6	194.5	196.5	194.5	194.5
50°	2543.0	2266.2	950.6	485.3	322.9	262.7	232.6	212.6	212.6	208.6	204.6
52.5°	3028.3	2737.5	1157.2	607.7	405.1	306.8	266.7	230.6	218.6	210.6	208.6
55°	3329.1	3108.5	1335.7	778.1	527.4	365.0	296.8	258.7	240.7	224.6	222.6
57.5°	3391.3	3134.6	1454.0	934.6	679.9	479.3	340.9	286.8	274.8	248.7	244.7
60°	3238.9	3068.4	1500.1	1036.8	812.2	631.7	445.2	332.9	306.8	288.8	284.8
62.5°	3132.6	2936.0	1484.1	1070.9	894.5	758.1	585.6	409.1	334.9	336.9	355.0
65°	2954.1	2821.7	1365.7	1020.8	890.4	800.2	657.8	473.3	344.9	340.9	363.0
67.5°	2749.5	2645.2	1247.4	910.5	820.2	742.0	611.7	451.2	326.9	306.8	308.8
70°	2486.8	2398.6	1127.1	848.3	756.1	657.8	531.5	391.1	322.9	290.8	290.8
72.5°	2184.0	2079.7	1026.8	802.2	722.0	631.7	509.4	377.0	347.0	334.9	344.9
75°	1863.1	1730.7	948.6	758.1	697.9	631.7	507.4	377.0	347.0	336.9	336.9
77.5°	1502.1	1423.9	864.4	687.9	649.8	601.6	467.3	351.0	340.9	336.9	336.9
80°	1038.8	1026.8	703.9	597.6	587.6	569.6	439.2	338.9	338.9	332.9	324.9
82.5°	637.7	607.7	503.4	447.2	481.3	507.4	399.1	318.9	310.9	304.8	300.8
85°	413.1	415.1	353.0	312.9	332.9	387.1	336.9	288.8	276.8	280.8	280.8
87.5°	316.9	326.9	276.8	254.7	250.7	262.7	264.7	258.7	250.7	244.7	246.7
90°	272.7	276.8	222.6	204.6	202.6	206.6	206.6	218.6	218.6	198.5	186.5
92.5°	228.6	234.6	184.5	166.5	166.5	172.5	176.5	176.5	160.4	130.4	116.3
95°	180.5	184.5	146.4	132.4	134.4	134.4	132.4	126.3	98.3	58.2	52.1
97.5°	126.3	128.4	108.3	100.3	102.3	98.3	86.2	78.2	60.2	34.1	32.1
100°	80.2	82.2	68.2	66.2	72.2	64.2	56.2	52.1	36.1	22.1	26.1
102.5°	48.1	48.1	42.1	40.1	44.1	38.1	34.1	28.1	22.1	14.0	18.0
105°	28.1	28.1	26.1	26.1	26.1	24.1	22.1	18.0	12.0	10.0	10.0
107.5°	22.1	22.1	20.1	20.1	18.0	18.0	16.0	12.0	8.0	6.0	6.0
110°	18.0	18.0	16.0	16.0	16.0	14.0	12.0	10.0	6.0	4.0	4.0

REPORT NUMBER: P691684

CATALOG NUMBER: CRTK2-C018-D-U-T2-8027-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.0	16.0	14.0	14.0	12.0	12.0	10.0	8.0	6.0	4.0	4.0
115°	14.0	14.0	12.0	10.0	10.0	10.0	8.0	6.0	4.0	2.0	4.0
117.5°	14.0	14.0	10.0	8.0	8.0	8.0	6.0	6.0	4.0	2.0	2.0
120°	12.0	12.0	8.0	8.0	6.0	6.0	6.0	4.0	2.0	2.0	2.0
122.5°	10.0	10.0	8.0	6.0	6.0	6.0	4.0	4.0	2.0	2.0	2.0
125°	10.0	10.0	6.0	6.0	6.0	4.0	4.0	4.0	2.0	0.0	0.0
127.5°	8.0	8.0	6.0	6.0	4.0	4.0	4.0	2.0	2.0	0.0	0.0
130°	6.0	6.0	6.0	6.0	4.0	4.0	4.0	2.0	2.0	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)