

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: P691683

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691683
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-C018-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K 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: 5053 lumens
Efficiency: N/A
Efficacy: 100.3 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

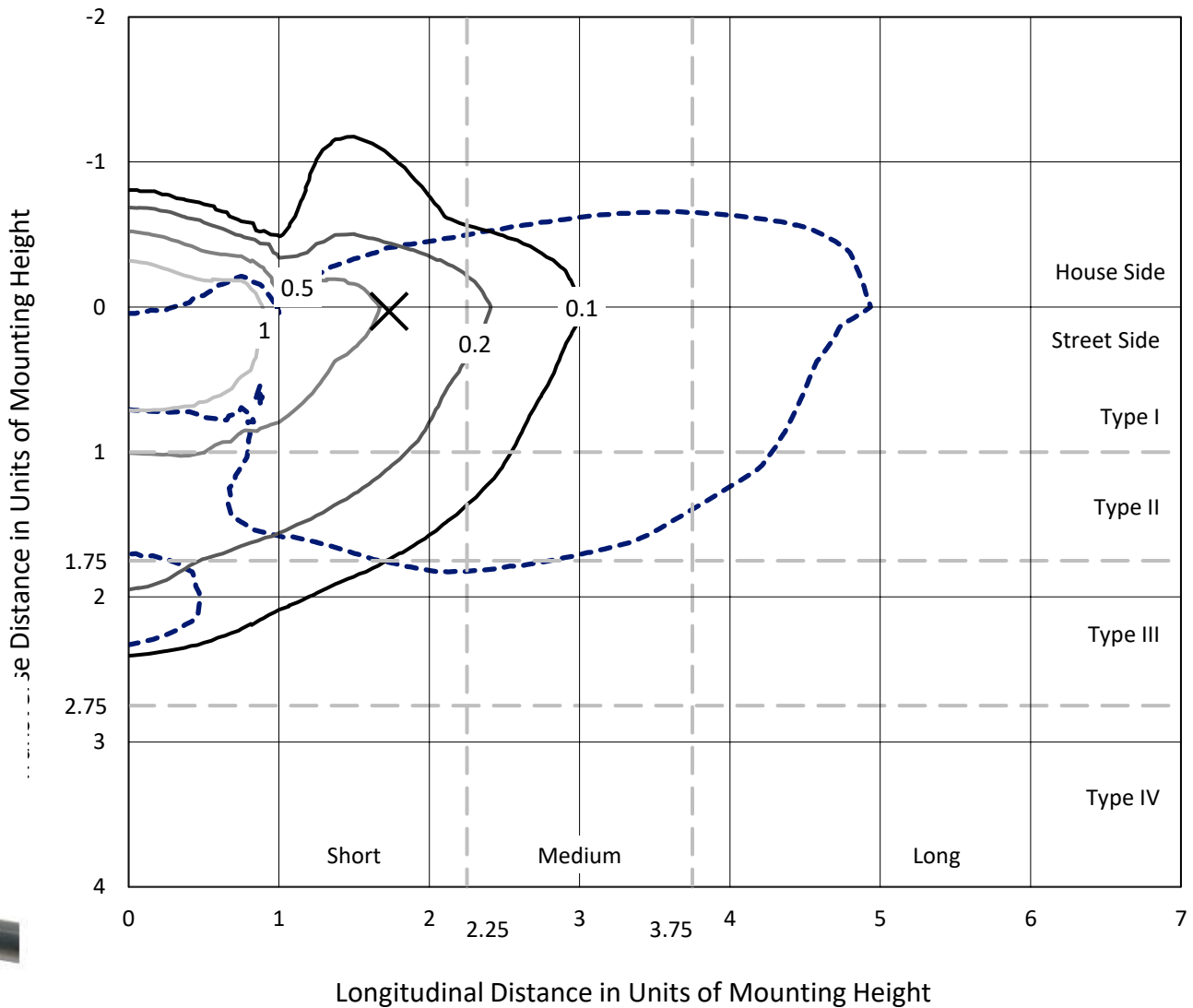


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

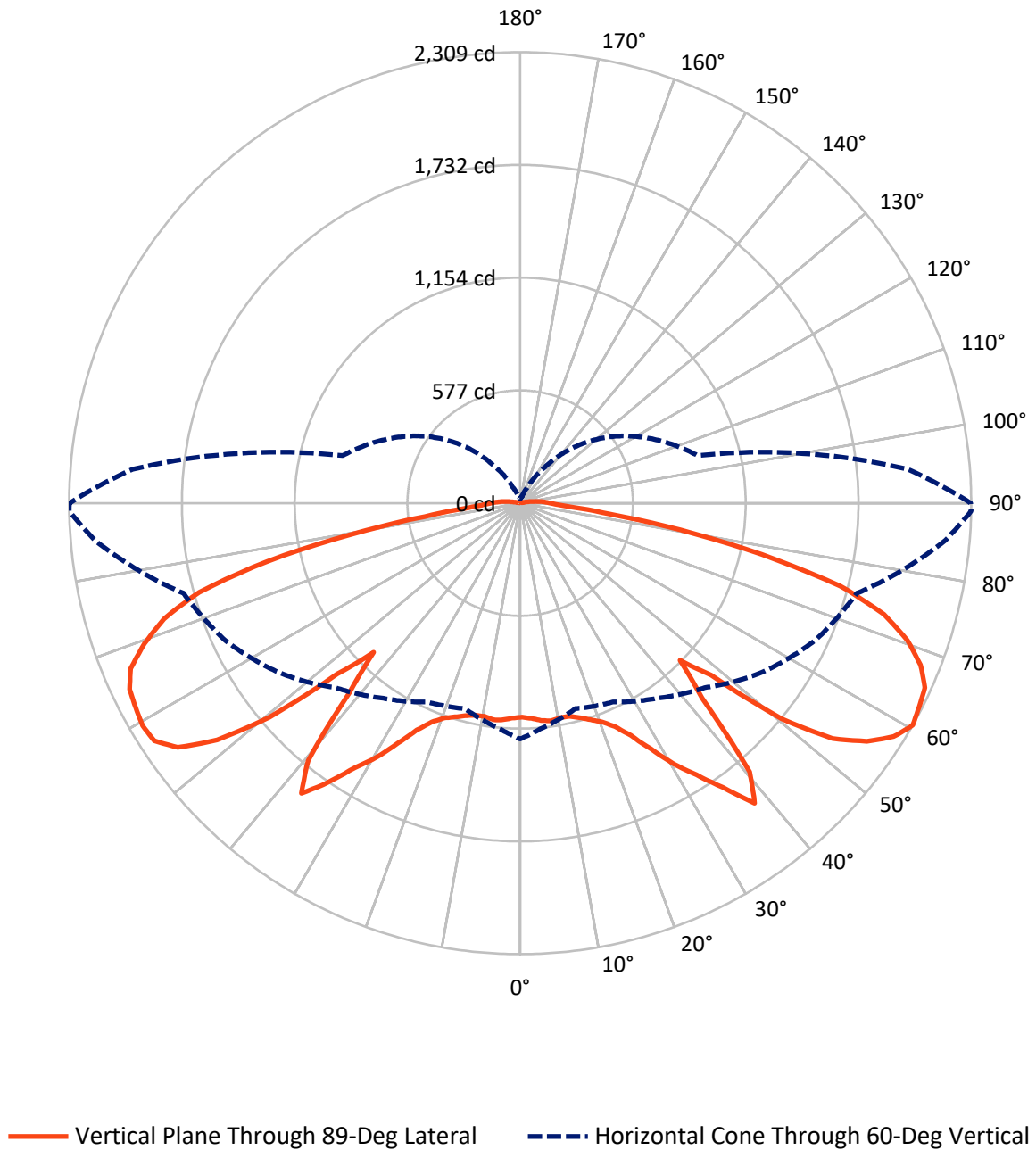


Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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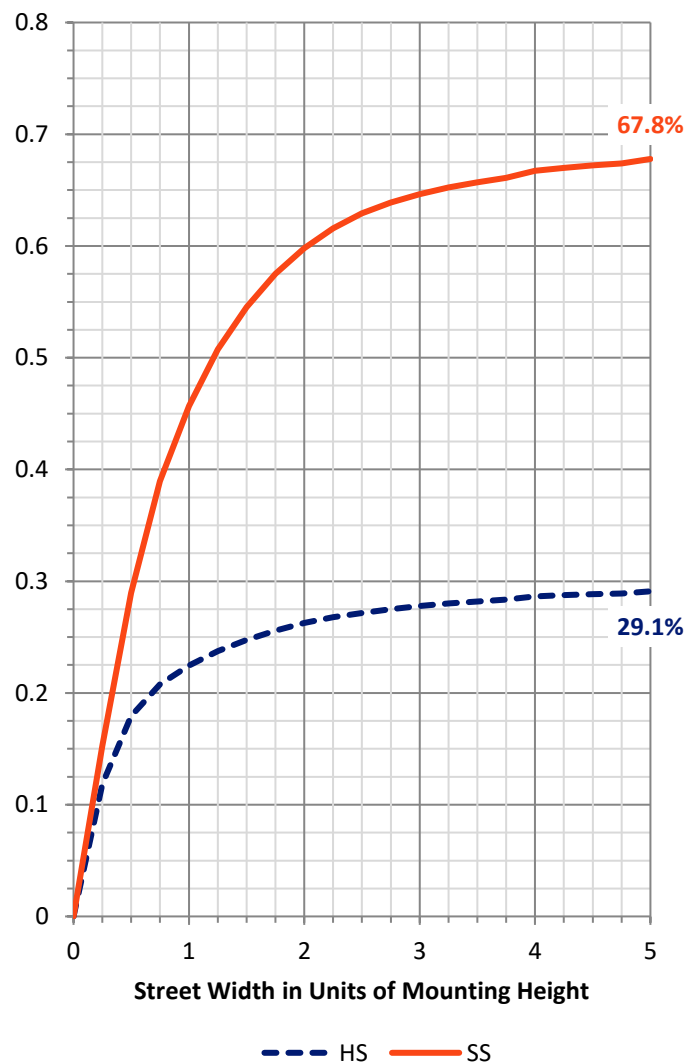
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1500.1	28.1	1528.2
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	3470.5	54.3	3524.8
	% Fixture	68.7	1.1	69.8
Total	Lumens	4970.6	82.4	5053.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.3	2.1
10°-20°	310.8	6.2
20°-30°	513.0	10.2
30°-40°	695.9	13.8
40°-50°	579.6	11.5
50°-60°	802.7	15.9
60°-70°	989.4	19.6
70°-80°	749.1	14.8
80°-90°	224.8	4.4
90°-100°	58.3	1.2
100°-110°	13.3	0.3
110°-120°	6.2	0.1
120°-130°	4.2	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°	4970.6	98.4
0°-180°	5053.0	100.0

Coefficient of Utilization



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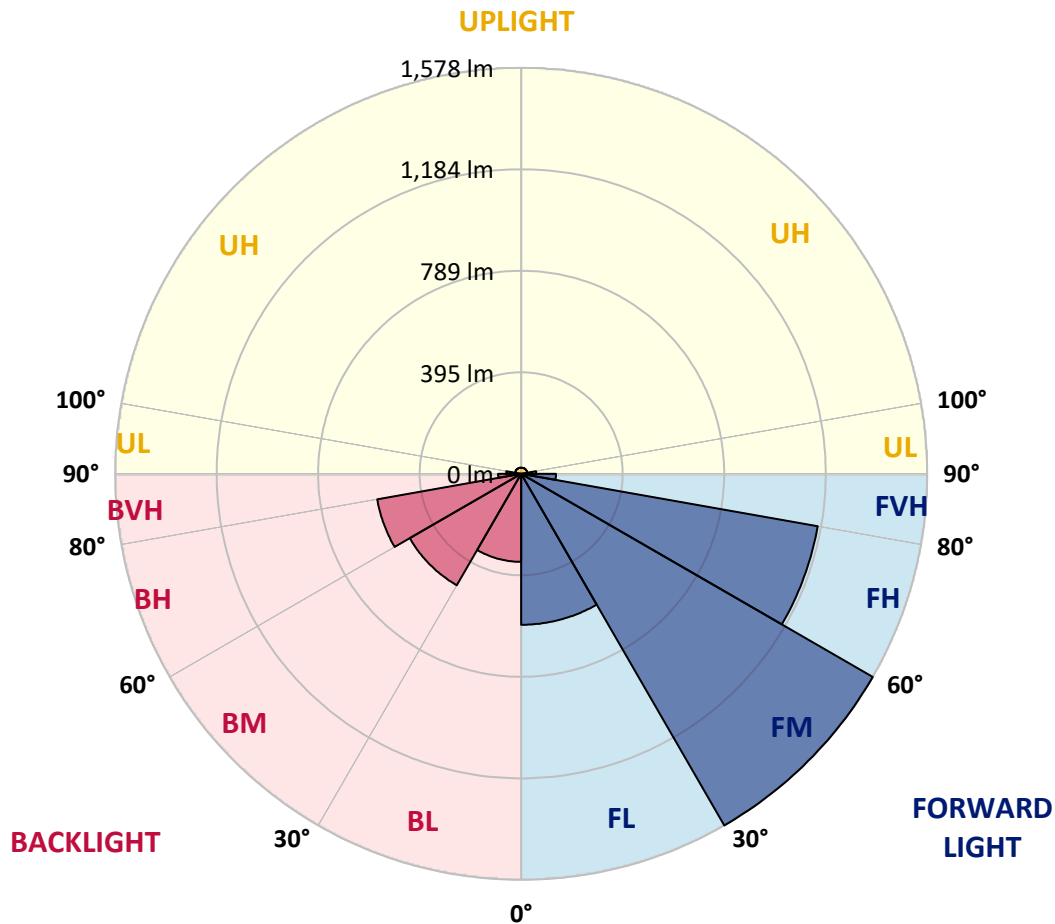
CATALOG NUMBER: CRTK2-C018-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	586.9	11.6			
FM	(30°-60°)	1578.1	31.2			
FH	(60°-80°)	1170.3	23.2			G1/1800
FVH	(80°-90°)	135.2	2.7			G2/225
BL	(0°-30°)	342.1	6.8	B1/500		
BM	(30°-60°)	500.1	9.9	B1/1000		
BH	(60°-80°)	568.2	11.2	B2/1000		G2/1000
BVH	(80°-90°)	89.6	1.8			G1/100
UL	(90°-100°)	58.3	1.2		U3/500	
UH	(100°-180°)	24.2	0.5		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°	89°
0°	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2
2.5°	1149.3	1143.3	1143.3	1143.3	1131.3	1131.3	1123.3	1119.3	1111.2	1105.2	1103.2
5°	1215.5	1211.5	1211.5	1209.5	1197.5	1189.5	1173.4	1159.4	1147.3	1127.3	1117.2
7.5°	1267.7	1261.7	1261.7	1259.7	1247.6	1237.6	1219.5	1187.5	1163.4	1141.3	1125.3
10°	1285.7	1283.7	1281.7	1275.7	1265.7	1257.7	1241.6	1211.5	1173.4	1137.3	1117.2
12.5°	1319.8	1319.8	1313.8	1305.8	1297.8	1289.8	1267.7	1243.6	1201.5	1145.3	1119.3
15°	1364.0	1360.0	1355.9	1351.9	1345.9	1333.9	1313.8	1283.7	1235.6	1167.4	1139.3
17.5°	1382.0	1380.0	1380.0	1382.0	1380.0	1372.0	1368.0	1333.9	1283.7	1197.5	1165.4
20°	1386.0	1388.0	1392.0	1406.1	1410.1	1406.1	1412.1	1392.0	1333.9	1237.6	1195.5
22.5°	1410.1	1414.1	1422.1	1436.2	1442.2	1448.2	1454.2	1470.3	1412.1	1299.8	1241.6
25°	1400.1	1404.1	1428.2	1450.2	1472.3	1490.3	1528.4	1564.6	1522.4	1392.0	1317.8
27.5°	1374.0	1382.0	1424.1	1468.3	1522.4	1570.6	1640.8	1684.9	1650.8	1508.4	1424.1
30°	1396.1	1396.1	1424.1	1488.3	1558.5	1666.8	1759.1	1809.3	1785.2	1620.7	1548.5
32.5°	1349.9	1362.0	1420.1	1516.4	1624.7	1763.1	1853.4	1941.6	1949.7	1771.2	1658.8
35°	1207.5	1227.6	1275.7	1404.1	1570.6	1811.3	1969.7	2088.1	2126.2	1951.7	1787.2
37.5°	994.9	1008.9	1093.2	1221.6	1420.1	1650.8	1905.5	2174.3	2280.6	2068.0	1949.7
40°	880.6	890.6	940.7	1047.0	1229.6	1452.2	1652.8	1911.6	1969.7	1887.5	1809.3
42.5°	842.5	858.5	920.7	1019.0	1167.4	1323.9	1355.9	1452.2	1422.1	1432.2	1364.0
45°	894.6	900.6	946.8	1033.0	1123.3	1165.4	1123.3	1189.5	1221.6	1215.5	1147.3
47.5°	920.7	930.7	980.9	1091.2	1091.2	1093.2	1145.3	1185.4	1277.7	1364.0	1315.8
50°	790.3	804.3	896.6	984.9	998.9	1165.4	1301.8	1380.0	1476.3	1707.0	1735.0
52.5°	744.2	754.2	854.5	1031.0	1133.3	1303.8	1388.0	1460.2	1542.5	1923.6	2001.8
55°	814.4	832.4	950.8	1133.3	1245.6	1347.9	1456.2	1560.5	1648.8	2094.1	2152.3
57.5°	940.7	974.8	1047.0	1149.3	1255.7	1347.9	1492.3	1620.7	1737.1	2160.3	2254.6
60°	1207.5	1161.4	1089.2	1123.3	1219.5	1335.9	1510.4	1664.8	1783.2	2184.4	2308.7
62.5°	1331.9	1297.8	1121.3	1075.1	1159.4	1293.8	1476.3	1664.8	1767.1	2138.2	2292.7
65°	1287.7	1259.7	1133.3	1019.0	1085.2	1235.6	1424.1	1640.8	1731.0	2080.0	2276.6
67.5°	1097.2	1069.1	1029.0	986.9	1015.0	1177.4	1376.0	1596.6	1690.9	2031.9	2210.4
70°	892.6	876.5	862.5	894.6	946.8	1089.2	1279.7	1498.4	1610.7	1915.6	2102.1
72.5°	760.2	750.2	726.1	758.2	840.4	970.8	1135.3	1353.9	1488.3	1719.0	1947.7
75°	645.9	639.9	631.8	647.9	700.0	822.4	952.8	1167.4	1329.9	1500.4	1692.9
77.5°	523.5	515.5	533.6	537.6	577.7	665.9	750.2	928.7	1109.2	1177.4	1263.7
80°	381.1	389.1	419.2	407.2	437.3	467.4	527.5	605.8	748.2	824.4	830.4
82.5°	266.8	274.8	302.9	272.8	280.8	282.8	304.9	333.0	391.1	455.3	463.3
85°	188.5	192.6	198.6	176.5	176.5	176.5	190.6	206.6	236.7	262.8	268.8
87.5°	134.4	134.4	142.4	134.4	132.4	130.4	138.4	144.4	162.5	180.5	184.5
90°	100.3	100.3	104.3	100.3	100.3	100.3	108.3	114.3	130.4	146.4	148.4
92.5°	72.2	72.2	78.2	76.2	76.2	78.2	86.3	90.3	104.3	120.4	122.4
95°	56.2	56.2	60.2	58.2	58.2	62.2	68.2	72.2	82.2	90.3	92.3
97.5°	40.1	40.1	42.1	42.1	42.1	42.1	46.1	52.2	64.2	64.2	62.2
100°	28.1	28.1	30.1	28.1	28.1	30.1	30.1	34.1	40.1	38.1	38.1
102.5°	20.1	20.1	20.1	20.1	20.1	18.1	18.1	20.1	22.1	20.1	20.1
105°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
107.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	10.0
110°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	8.0

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	8.0	8.0
115°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	8.0	8.0
117.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
120°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
122.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
125°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.0	8.0	6.0
127.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
130°	6.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	4.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2	1095.2
2.5°	1101.2	1097.2	1085.2	1071.1	1059.1	1049.1	1039.0	1031.0	1029.0	1025.0	1029.0
5°	1115.2	1101.2	1073.1	1055.1	1039.0	1023.0	1006.9	998.9	992.9	988.9	988.9
7.5°	1121.3	1101.2	1069.1	1045.0	1010.9	976.8	956.8	940.7	934.7	940.7	940.7
10°	1111.2	1087.2	1049.1	1012.9	966.8	938.7	910.6	896.6	888.6	888.6	882.6
12.5°	1115.2	1087.2	1031.0	976.8	938.7	888.6	854.5	838.4	826.4	830.4	830.4
15°	1131.3	1093.2	1015.0	960.8	894.6	854.5	812.4	802.3	800.3	794.3	790.3
17.5°	1155.4	1099.2	1010.9	924.7	856.5	808.4	768.2	750.2	740.2	734.1	732.1
20°	1181.4	1107.2	998.9	890.6	816.4	754.2	706.1	682.0	674.0	674.0	669.9
22.5°	1225.6	1135.3	988.9	874.5	762.2	700.0	651.9	617.8	601.8	599.7	597.7
25°	1297.8	1189.5	998.9	838.4	730.1	637.9	583.7	553.6	535.6	529.5	529.5
27.5°	1408.1	1263.7	1012.9	818.4	663.9	579.7	519.5	473.4	447.3	449.3	451.3
30°	1526.4	1374.0	1053.1	786.3	621.8	497.4	425.2	389.1	365.1	357.0	353.0
32.5°	1622.7	1488.3	1111.2	760.2	543.6	397.2	335.0	308.9	282.8	260.8	252.7
35°	1771.2	1584.6	1161.4	722.1	479.4	324.9	270.8	230.7	208.6	198.6	194.6
37.5°	1905.5	1678.9	1199.5	714.1	389.1	278.8	214.6	172.5	150.4	148.4	148.4
40°	1743.1	1560.5	1171.4	649.9	306.9	216.6	154.4	122.4	106.3	98.3	98.3
42.5°	1333.9	1195.5	892.6	541.6	220.6	146.4	98.3	92.3	90.3	82.2	82.2
45°	1117.2	882.6	541.6	282.8	104.3	80.2	70.2	70.2	72.2	78.2	78.2
47.5°	1341.9	1043.0	399.2	202.6	102.3	70.2	62.2	56.2	52.2	50.1	50.1
50°	1737.1	1484.3	509.5	240.7	122.4	72.2	56.2	50.1	48.1	46.1	42.1
52.5°	2025.9	1739.1	672.0	367.1	196.6	92.3	56.2	42.1	32.1	28.1	26.1
55°	2200.4	1961.7	792.3	527.5	318.9	154.4	70.2	38.1	28.1	24.1	22.1
57.5°	2294.7	1987.8	892.6	672.0	469.4	274.8	122.4	46.1	28.1	22.1	22.1
60°	2306.7	1991.8	940.7	768.2	597.7	417.2	232.7	90.3	36.1	26.1	24.1
62.5°	2296.7	1957.7	952.8	806.3	676.0	533.6	367.1	178.5	56.2	30.1	28.1
65°	2278.6	1959.7	898.6	772.2	676.0	571.7	425.2	234.7	80.2	34.1	32.1
67.5°	2218.5	1953.7	868.5	698.0	611.8	511.5	381.1	218.6	92.3	42.1	40.1
70°	2096.1	1881.5	850.5	667.9	573.7	455.3	320.9	174.5	104.3	72.2	78.2
72.5°	1957.7	1751.1	832.4	641.9	559.6	453.3	322.9	188.5	140.4	118.3	126.4
75°	1751.1	1524.4	800.3	615.8	551.6	467.4	327.0	178.5	132.4	106.3	104.3
77.5°	1347.9	1267.7	730.1	551.6	501.5	431.3	278.8	136.4	98.3	74.2	72.2
80°	880.6	870.5	569.7	445.3	423.2	381.1	232.7	106.3	78.2	60.2	56.2
82.5°	497.4	477.4	355.0	280.8	298.9	308.9	188.5	80.2	60.2	48.1	44.1
85°	282.8	286.8	206.6	152.4	154.4	182.5	122.4	56.2	38.1	28.1	26.1
87.5°	194.6	200.6	134.4	102.3	92.3	86.3	64.2	34.1	22.1	14.0	10.0
90°	158.5	158.5	100.3	74.2	64.2	56.2	36.1	20.1	16.0	8.0	6.0
92.5°	128.4	134.4	84.2	60.2	50.1	44.1	28.1	14.0	10.0	6.0	4.0
95°	96.3	102.3	68.2	50.1	40.1	34.1	24.1	12.0	8.0	4.0	4.0
97.5°	66.2	66.2	48.1	38.1	32.1	26.1	18.1	10.0	6.0	4.0	4.0
100°	38.1	40.1	28.1	24.1	22.1	20.1	12.0	8.0	4.0	2.0	2.0
102.5°	20.1	20.1	14.0	14.0	12.0	12.0	10.0	6.0	4.0	2.0	2.0
105°	12.0	12.0	10.0	10.0	8.0	8.0	6.0	4.0	2.0	0.0	2.0
107.5°	10.0	10.0	8.0	8.0	6.0	6.0	4.0	4.0	2.0	0.0	0.0
110°	8.0	8.0	6.0	6.0	6.0	4.0	4.0	2.0	2.0	0.0	0.0

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.0	8.0	6.0	6.0	4.0	4.0	4.0	2.0	2.0	0.0	0.0
115°	8.0	6.0	6.0	4.0	4.0	4.0	2.0	2.0	0.0	0.0	0.0
117.5°	8.0	6.0	4.0	4.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0
120°	8.0	6.0	4.0	4.0	4.0	4.0	2.0	2.0	0.0	0.0	0.0
122.5°	8.0	6.0	4.0	4.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0
125°	6.0	6.0	4.0	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
127.5°	6.0	6.0	4.0	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
130°	6.0	6.0	4.0	4.0	2.0	2.0	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)