

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: P691660

Luminaire Tested: **CRTK2-C018-D-U-T2-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691660
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-T2-7030-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: 6586 lumens
Efficiency: N/A
Efficacy: 130.7 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): 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



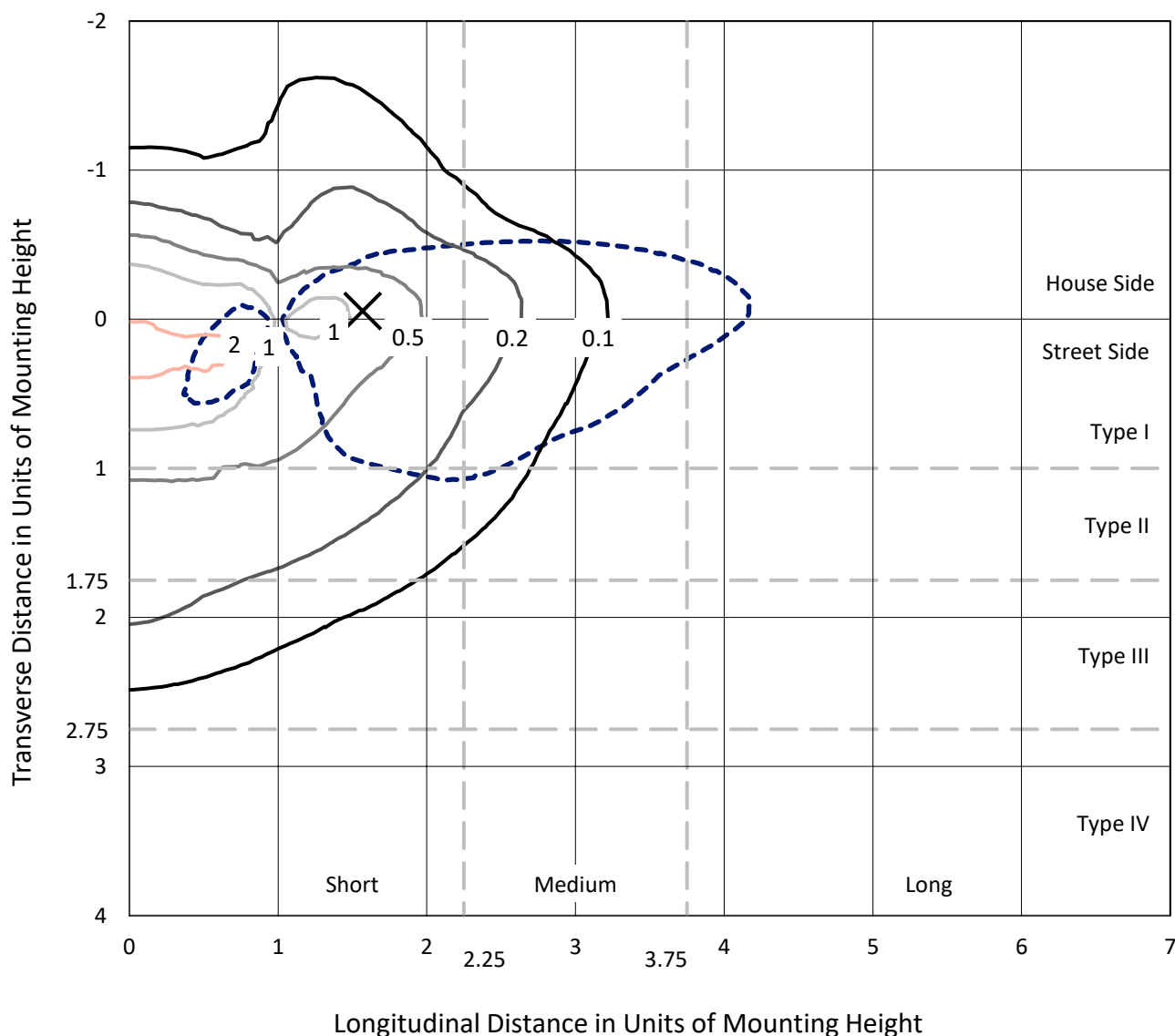
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

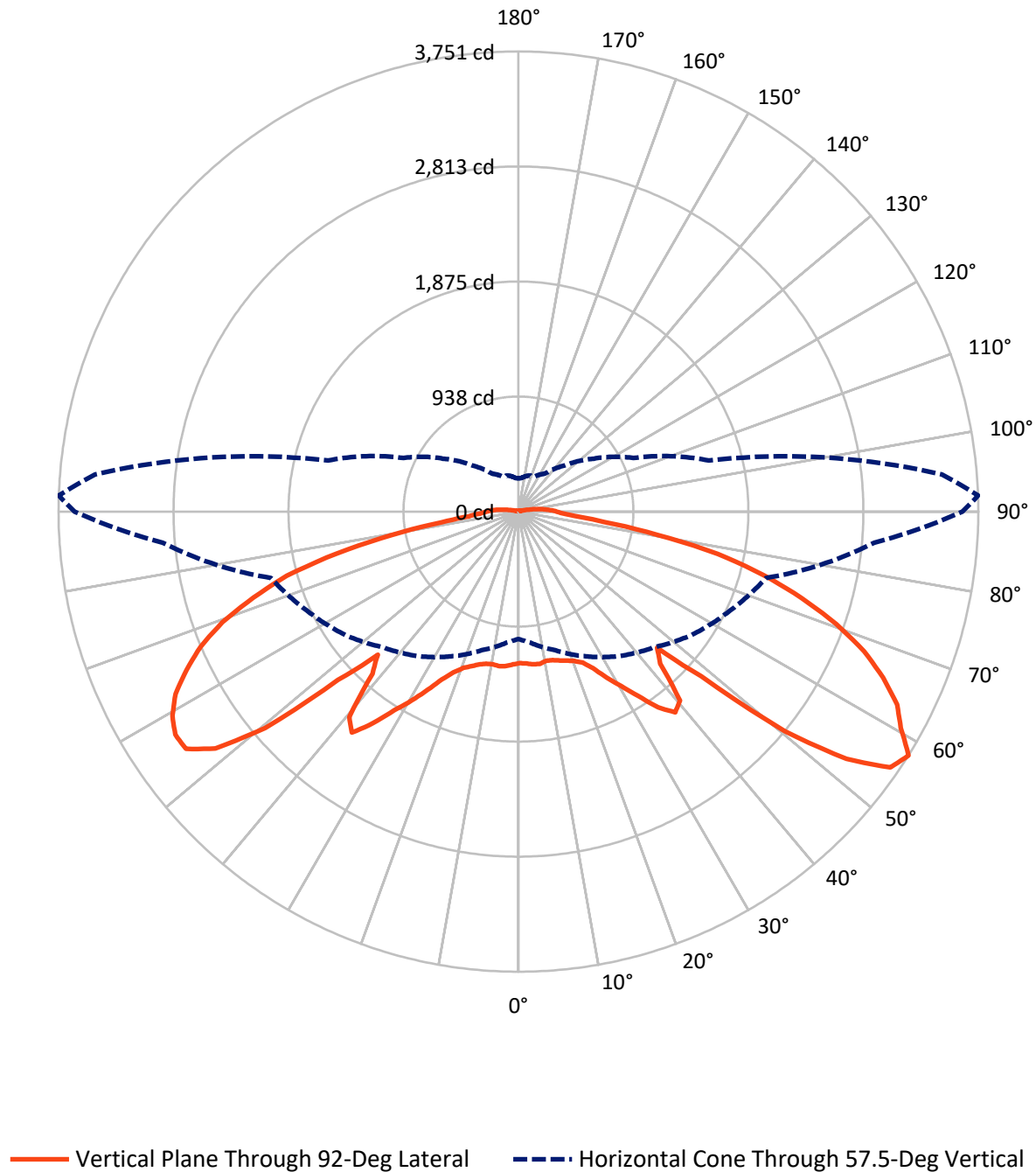


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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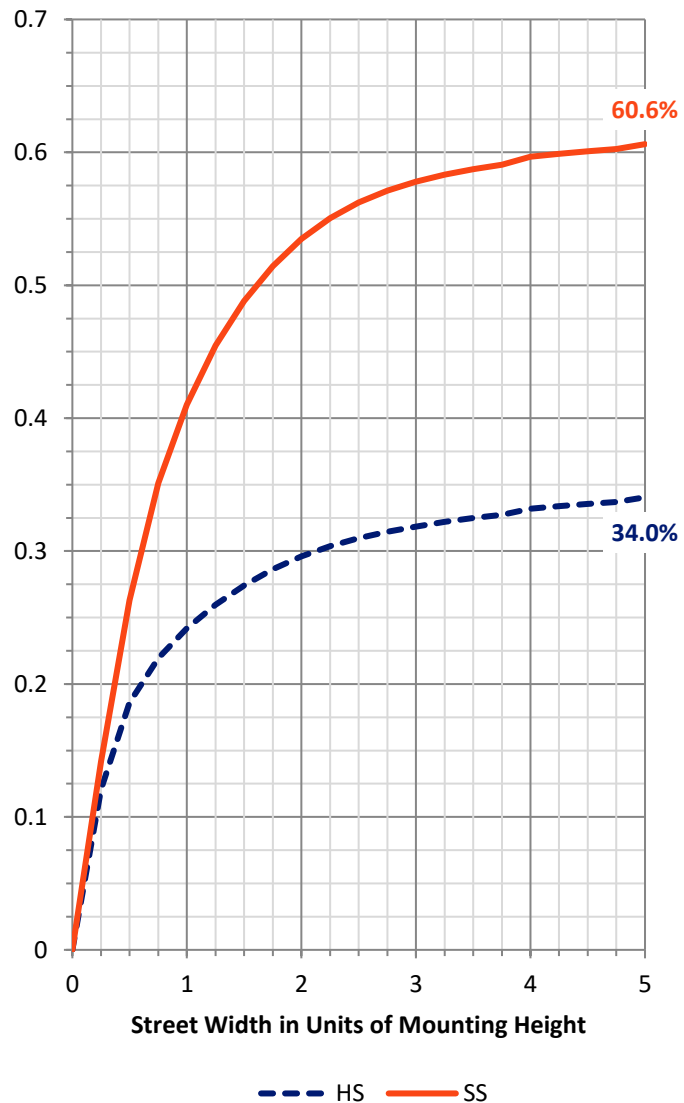
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2350.0	102.7	2452.6
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	4049.6	83.8	4133.4
	% Fixture	61.5	1.3	62.8
Total	Lumens	6399.5	186.5	6586.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.5	1.8
10°-20°	349.0	5.3
20°-30°	578.8	8.8
30°-40°	801.1	12.2
40°-50°	748.0	11.4
50°-60°	1117.7	17.0
60°-70°	1327.7	20.2
70°-80°	974.5	14.8
80°-90°	384.2	5.8
90°-100°	135.3	2.1
100°-110°	32.0	0.5
110°-120°	12.3	0.2
120°-130°	6.3	0.1
130°-140°	0.6	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°	6399.5	97.2
0°-180°	6586.0	100.0

Coefficient of Utilization



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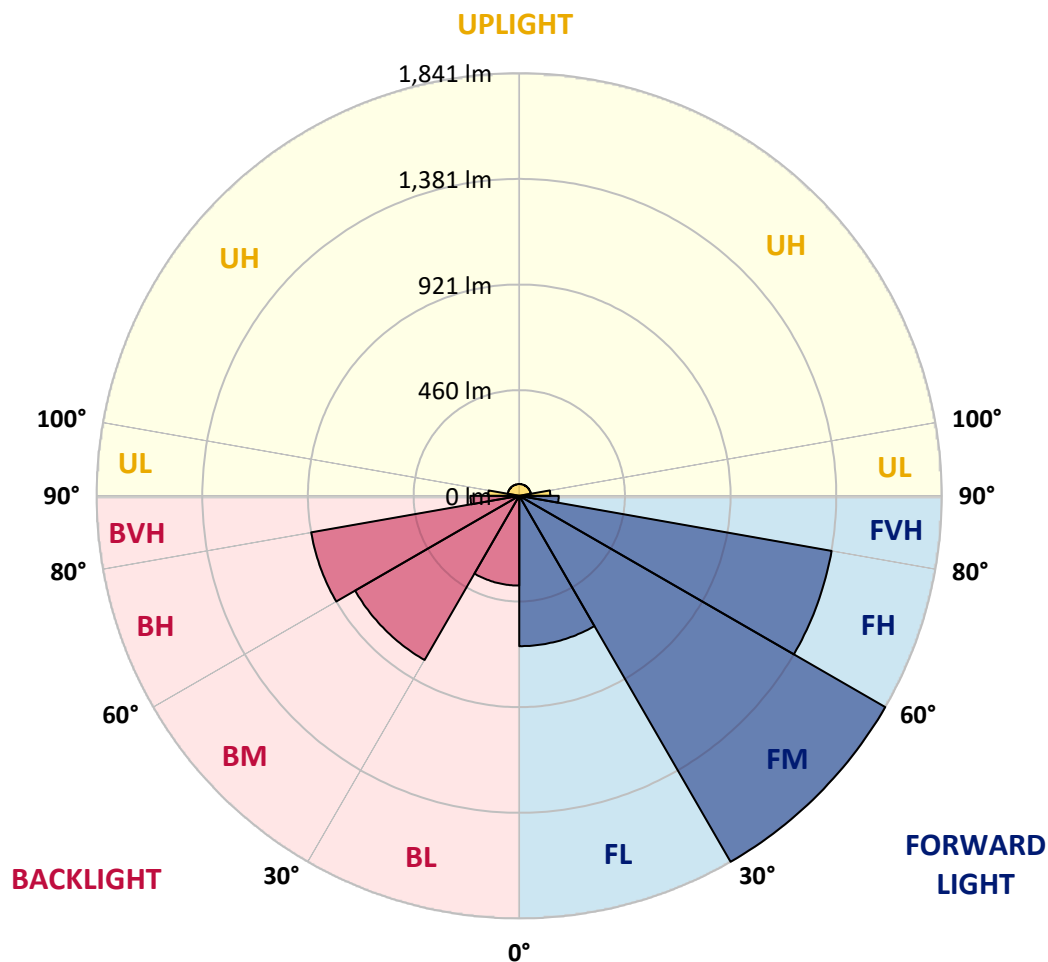
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	655.1	9.9			
FM	(30°-60°)	1841.1	28.0			
FH	(60°-80°)	1381.6	21.0			G1/1800
FVH	(80°-90°)	171.7	2.6			G2/225
BL	(0°-30°)	391.2	5.9	B1/500		
BM	(30°-60°)	825.8	12.5	B1/1000		
BH	(60°-80°)	920.5	14.0	B2/1000		G2/1000
BVH	(80°-90°)	212.5	3.2			G2/225
UL	(90°-100°)	135.3	2.1		U3/500	
UH	(100°-180°)	51.2	0.8		U3/500	

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°	1235.4	1235.4	1235.4	1235.4	1235.4	1235.4	1235.4	1235.4	1235.4	1235.4	1235.4
2.5°	1288.7	1279.8	1282.0	1279.8	1275.4	1270.9	1266.5	1262.0	1255.4	1248.7	1244.3
5°	1364.1	1355.2	1355.2	1355.2	1346.3	1333.0	1315.3	1304.2	1288.7	1270.9	1257.6
7.5°	1415.1	1408.4	1406.2	1404.0	1392.9	1384.0	1364.1	1328.6	1304.2	1282.0	1262.0
10°	1432.8	1432.8	1430.6	1424.0	1412.9	1401.8	1388.5	1355.2	1315.3	1277.6	1251.0
12.5°	1466.1	1470.5	1463.9	1452.8	1448.4	1435.0	1415.1	1388.5	1344.1	1286.4	1255.4
15°	1517.1	1514.9	1506.0	1503.8	1499.4	1483.8	1466.1	1432.8	1381.8	1308.6	1273.1
17.5°	1539.3	1537.1	1537.1	1537.1	1537.1	1526.0	1523.8	1486.1	1432.8	1344.1	1299.7
20°	1543.7	1543.7	1550.4	1565.9	1568.1	1565.9	1577.0	1552.6	1490.5	1388.5	1328.6
22.5°	1572.6	1574.8	1585.9	1601.4	1612.5	1616.9	1625.8	1636.9	1579.2	1459.4	1384.0
25°	1557.0	1568.1	1592.5	1616.9	1643.5	1659.1	1707.9	1745.6	1696.8	1563.7	1461.7
27.5°	1530.4	1539.3	1588.1	1632.4	1692.3	1756.7	1827.6	1876.4	1847.6	1692.3	1585.9
30°	1554.8	1554.8	1585.9	1659.1	1736.7	1854.2	1958.5	2011.7	1998.4	1827.6	1730.0
32.5°	1503.8	1517.1	1583.7	1690.1	1807.7	1960.7	2067.2	2167.0	2180.3	2002.9	1845.4
35°	1353.0	1381.8	1426.2	1565.9	1765.5	2031.7	2195.8	2322.2	2377.7	2202.5	2018.4
37.5°	1117.9	1129.0	1222.1	1361.9	1599.2	1863.1	2147.0	2455.3	2570.7	2353.3	2191.4
40°	987.0	993.7	1053.6	1175.5	1375.2	1634.7	1874.2	2191.4	2282.3	2260.1	2107.1
42.5°	942.7	953.7	1024.7	1142.3	1310.8	1490.5	1552.6	1690.1	1654.6	1750.0	1798.8
45°	995.9	1002.5	1053.6	1155.6	1262.0	1339.7	1295.3	1392.9	1441.7	1630.2	1641.3
47.5°	1033.6	1038.0	1093.5	1222.1	1239.9	1242.1	1302.0	1359.6	1494.9	1903.0	2084.9
50°	887.2	909.4	1015.8	1126.7	1135.6	1310.8	1481.6	1597.0	1763.3	2506.3	2854.6
52.5°	822.9	834.0	949.3	1142.3	1270.9	1475.0	1597.0	1712.3	1872.0	2768.1	3380.2
55°	902.7	920.5	1058.0	1273.1	1401.8	1541.5	1694.6	1836.5	1994.0	2903.4	3615.3
57.5°	1038.0	1071.3	1171.1	1302.0	1437.3	1563.7	1741.1	1905.3	2089.4	2912.2	3619.8
60°	1306.4	1282.0	1226.6	1284.2	1415.1	1559.3	1763.3	1938.5	2142.6	2910.0	3517.7
62.5°	1490.5	1455.0	1270.9	1244.3	1366.3	1512.7	1714.5	1934.1	2131.5	2812.4	3402.4
65°	1455.0	1430.6	1288.7	1191.1	1279.8	1437.3	1648.0	1907.5	2078.3	2708.2	3193.9
67.5°	1255.4	1226.6	1166.7	1129.0	1173.3	1357.4	1585.9	1854.2	2016.2	2588.4	2965.5
70°	1024.7	1009.2	989.2	1029.2	1084.6	1257.6	1472.8	1738.9	1898.6	2360.0	2721.5
72.5°	869.5	860.6	836.2	878.3	971.5	1126.7	1306.4	1572.6	1752.2	2051.7	2419.8
75°	731.9	734.2	720.9	747.5	807.4	960.4	1102.3	1361.9	1561.5	1761.1	2093.8
77.5°	601.1	594.4	607.7	623.3	663.2	774.1	869.5	1095.7	1333.0	1397.3	1605.8
80°	439.2	450.3	474.7	472.4	505.7	554.5	618.8	738.6	936.0	1000.3	1080.2
82.5°	310.5	323.8	346.0	321.6	326.0	339.4	368.2	423.6	527.9	592.2	658.7
85°	219.6	226.2	230.7	212.9	212.9	221.8	241.8	281.7	346.0	385.9	421.4
87.5°	159.7	161.9	170.8	161.9	164.1	168.6	186.3	212.9	266.2	295.0	323.8
90°	122.0	122.0	126.4	124.2	128.6	137.5	155.3	177.4	217.4	252.9	279.5
92.5°	88.7	88.7	93.2	95.4	97.6	108.7	124.2	142.0	168.6	212.9	239.5
95°	68.8	68.8	73.2	73.2	75.4	84.3	97.6	115.3	135.3	166.4	190.7
97.5°	51.0	51.0	55.5	55.5	57.7	64.3	75.4	86.5	104.2	124.2	135.3
100°	39.9	39.9	42.1	42.1	44.4	51.0	57.7	64.3	68.8	79.8	84.3
102.5°	33.3	33.3	33.3	33.3	33.3	37.7	39.9	39.9	42.1	48.8	51.0
105°	26.6	26.6	26.6	24.4	24.4	26.6	26.6	26.6	28.8	28.8	31.1
107.5°	20.0	20.0	20.0	20.0	20.0	22.2	22.2	22.2	22.2	24.4	24.4
110°	17.7	17.7	17.7	17.7	17.7	17.7	20.0	20.0	20.0	20.0	20.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	15.5	15.5	15.5	15.5	15.5	15.5	17.7	17.7	17.7	17.7	17.7
115°	13.3	13.3	13.3	13.3	13.3	15.5	17.7	15.5	15.5	15.5	15.5
117.5°	11.1	11.1	11.1	13.3	13.3	13.3	15.5	13.3	13.3	13.3	15.5
120°	8.9	8.9	11.1	11.1	11.1	11.1	11.1	11.1	13.3	13.3	13.3
122.5°	8.9	8.9	8.9	8.9	8.9	11.1	11.1	11.1	11.1	11.1	13.3
125°	6.7	6.7	6.7	8.9	8.9	8.9	8.9	8.9	8.9	11.1	11.1
127.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	8.9	8.9	8.9
130°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
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



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CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1235.4	1235.4	1235.4	1235.4	1235.4	1235.4	1235.4	1235.4	1235.4	1235.4	1235.4
2.5°	1239.9	1239.9	1226.6	1213.2	1199.9	1186.6	1175.5	1168.9	1160.0	1162.2	1162.2
5°	1251.0	1244.3	1215.5	1197.7	1177.8	1160.0	1142.3	1126.7	1122.3	1120.1	1111.2
7.5°	1253.2	1242.1	1211.0	1184.4	1146.7	1104.6	1084.6	1066.9	1055.8	1064.6	1060.2
10°	1237.6	1224.3	1188.8	1148.9	1095.7	1060.2	1029.2	1011.4	1002.5	1004.8	1002.5
12.5°	1242.1	1226.6	1168.9	1109.0	1064.6	1004.8	967.0	951.5	940.4	940.4	933.8
15°	1259.8	1233.2	1151.1	1089.0	1015.8	964.8	920.5	909.4	904.9	900.5	893.9
17.5°	1277.6	1239.9	1148.9	1053.6	971.5	916.0	871.7	851.7	840.6	840.6	838.4
20°	1299.7	1253.2	1135.6	1015.8	929.3	856.1	802.9	785.2	776.3	774.1	769.6
22.5°	1337.5	1288.7	1129.0	1000.3	873.9	798.5	747.5	714.2	696.5	694.2	694.2
25°	1412.9	1353.0	1142.3	958.2	836.2	738.6	676.5	643.2	623.3	623.3	621.0
27.5°	1532.6	1437.3	1162.2	942.7	765.2	674.3	610.0	558.9	541.2	541.2	543.4
30°	1650.2	1565.9	1213.2	909.4	725.3	590.0	512.4	474.7	452.5	443.6	445.8
32.5°	1789.9	1701.2	1284.2	887.2	645.4	490.2	419.2	399.2	366.0	357.1	350.4
35°	1960.7	1832.1	1364.1	856.1	583.3	417.0	359.3	319.4	303.9	292.8	290.6
37.5°	2076.0	1962.9	1435.0	862.8	496.8	377.1	312.7	270.6	255.1	257.3	257.3
40°	2027.3	1896.4	1452.8	818.4	423.6	328.3	261.7	237.3	228.5	230.7	232.9
42.5°	1694.6	1625.8	1202.2	731.9	350.4	263.9	219.6	219.6	226.2	219.6	219.6
45°	1583.7	1410.6	873.9	514.6	263.9	217.4	208.5	215.1	230.7	230.7	230.7
47.5°	2005.1	1809.9	783.0	430.3	295.0	244.0	226.2	215.1	217.4	215.1	215.1
50°	2812.4	2506.3	1051.3	536.8	357.1	290.6	257.3	235.1	235.1	230.7	226.2
52.5°	3349.2	3027.6	1279.8	672.1	448.0	339.4	295.0	255.1	241.8	232.9	230.7
55°	3681.9	3437.9	1477.2	860.6	583.3	403.7	328.3	286.1	266.2	248.4	246.2
57.5°	3750.6	3466.7	1608.1	1033.6	751.9	530.1	377.1	317.2	303.9	275.0	270.6
60°	3582.1	3393.5	1659.1	1146.7	898.3	698.7	492.4	368.2	339.4	319.4	315.0
62.5°	3464.5	3247.2	1641.3	1184.4	989.2	838.4	647.7	452.5	370.4	372.6	392.6
65°	3267.1	3120.7	1510.5	1129.0	984.8	885.0	727.5	523.4	381.5	377.1	401.5
67.5°	3040.9	2925.5	1379.6	1007.0	907.2	820.7	676.5	499.1	361.5	339.4	341.6
70°	2750.3	2652.7	1246.5	938.2	836.2	727.5	587.8	432.5	357.1	321.6	321.6
72.5°	2415.4	2300.1	1135.6	887.2	798.5	698.7	563.4	417.0	383.7	370.4	381.5
75°	2060.5	1914.1	1049.1	838.4	771.9	698.7	561.2	417.0	383.7	372.6	372.6
77.5°	1661.3	1574.8	956.0	760.8	718.6	665.4	516.8	388.2	377.1	372.6	372.6
80°	1148.9	1135.6	778.5	661.0	649.9	629.9	485.7	374.8	374.8	368.2	359.3
82.5°	705.3	672.1	556.7	494.6	532.3	561.2	441.4	352.7	343.8	337.1	332.7
85°	456.9	459.1	390.4	346.0	368.2	428.1	372.6	319.4	306.1	310.5	310.5
87.5°	350.4	361.5	306.1	281.7	277.3	290.6	292.8	286.1	277.3	270.6	272.8
90°	301.6	306.1	246.2	226.2	224.0	228.5	228.5	241.8	241.8	219.6	206.3
92.5°	252.9	259.5	204.1	184.1	184.1	190.7	195.2	195.2	177.4	144.2	128.6
95°	199.6	204.1	161.9	146.4	148.6	148.6	146.4	139.7	108.7	64.3	57.7
97.5°	139.7	142.0	119.8	110.9	113.1	108.7	95.4	86.5	66.5	37.7	35.5
100°	88.7	90.9	75.4	73.2	79.8	71.0	62.1	57.7	39.9	24.4	28.8
102.5°	53.2	53.2	46.6	44.4	48.8	42.1	37.7	31.1	24.4	15.5	20.0
105°	31.1	31.1	28.8	28.8	28.8	26.6	24.4	20.0	13.3	11.1	11.1
107.5°	24.4	24.4	22.2	22.2	20.0	20.0	17.7	13.3	8.9	6.7	6.7
110°	20.0	20.0	17.7	17.7	17.7	15.5	13.3	11.1	6.7	4.4	4.4



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CATALOG NUMBER: CRTK2-C018-D-U-T2-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.7	17.7	15.5	15.5	13.3	13.3	11.1	8.9	6.7	4.4	4.4
115°	15.5	15.5	13.3	11.1	11.1	11.1	8.9	6.7	4.4	2.2	4.4
117.5°	15.5	15.5	11.1	8.9	8.9	8.9	6.7	6.7	4.4	2.2	2.2
120°	13.3	13.3	8.9	8.9	6.7	6.7	6.7	4.4	2.2	2.2	2.2
122.5°	11.1	11.1	8.9	6.7	6.7	6.7	4.4	4.4	2.2	2.2	2.2
125°	11.1	11.1	6.7	6.7	6.7	4.4	4.4	4.4	2.2	0.0	0.0
127.5°	8.9	8.9	6.7	6.7	4.4	4.4	4.4	2.2	2.2	0.0	0.0
130°	6.7	6.7	6.7	6.7	4.4	4.4	4.4	2.2	2.2	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)