

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: P690993

Luminaire Tested: **CRTK2-C01-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-22)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5572 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 61
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



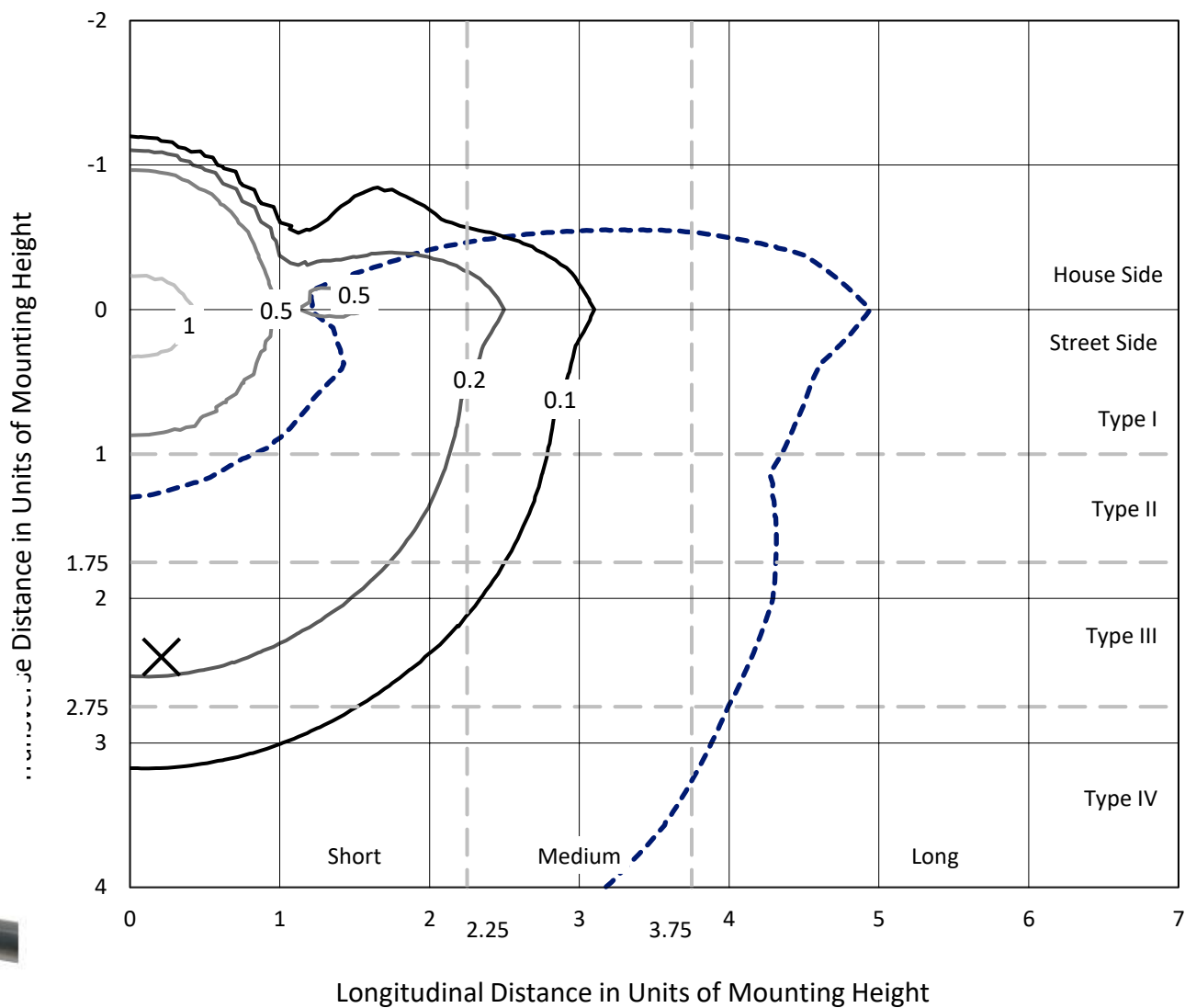
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

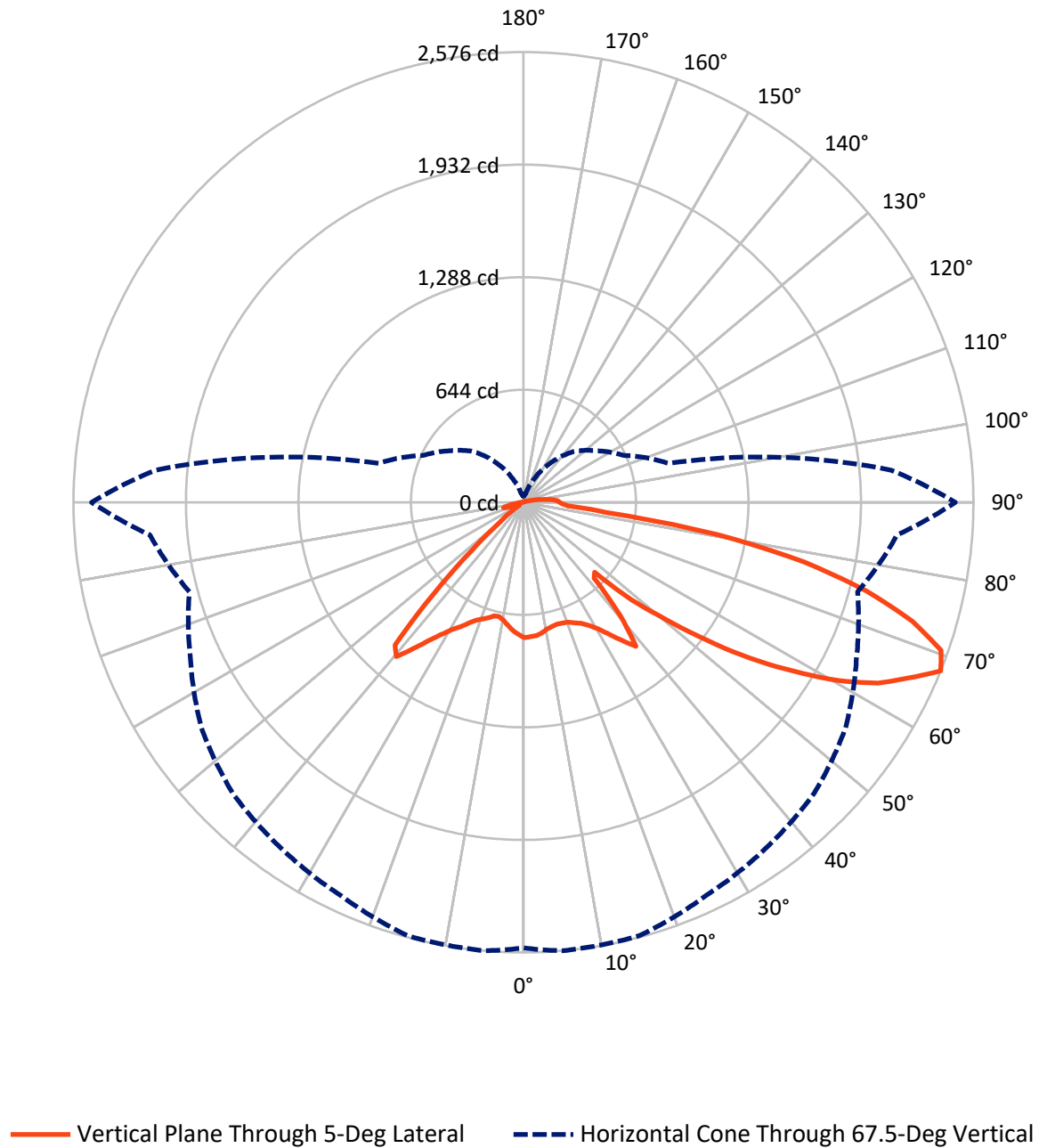


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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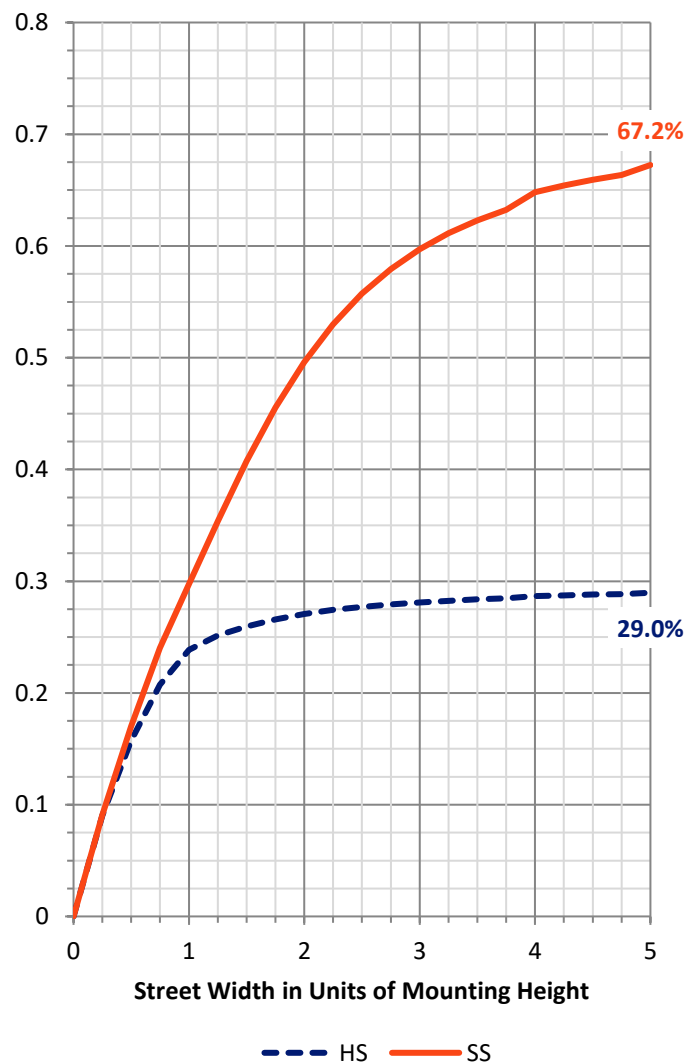
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1633.0	24.6	1657.6
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	3818.5	95.9	3914.4
	% Fixture	68.5	1.7	70.3
Total	Lumens	5451.5	120.5	5572.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.6	1.3
10°-20°	206.7	3.7
20°-30°	367.3	6.6
30°-40°	614.2	11.0
40°-50°	560.9	10.1
50°-60°	832.6	14.9
60°-70°	1365.9	24.5
70°-80°	1172.3	21.0
80°-90°	260.0	4.7
90°-100°	87.8	1.6
100°-110°	21.6	0.4
110°-120°	6.9	0.1
120°-130°	3.9	0.1
130°-140°	0.3	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°	5451.5	97.8
0°-180°	5572.0	100.0

Coefficient of Utilization



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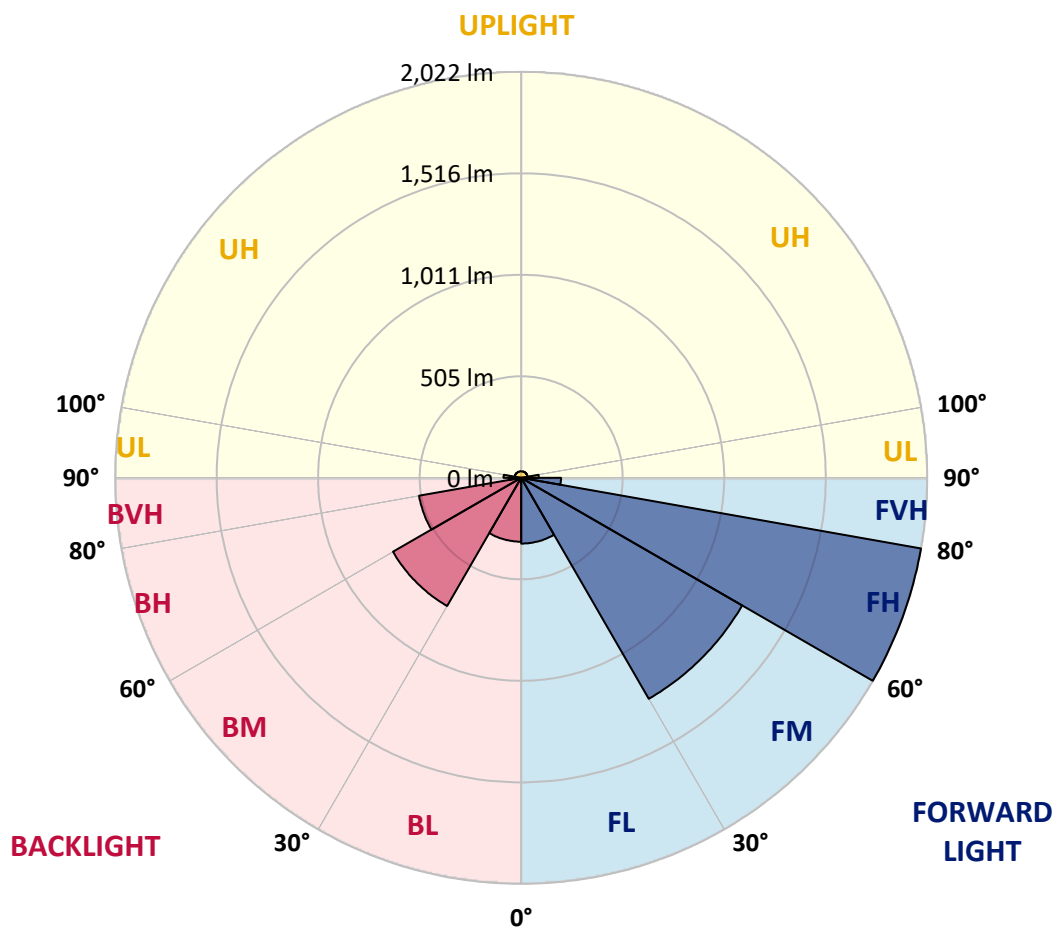
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	327.5	5.9			
FM	(30°-60°)	1270.8	22.8			
FH	(60°-80°)	2022.0	36.3			G2/5000
FVH	(80°-90°)	198.3	3.6			G2/225
BL	(0°-30°)	318.1	5.7	B1/500		
BM	(30°-60°)	736.9	13.2	B1/1000		
BH	(60°-80°)	516.2	9.3	B2/1000		G2/1000
BVH	(80°-90°)	61.8	1.1			G1/100
UL	(90°-100°)	87.8	1.6		U3/500	
UH	(100°-180°)	32.7	0.6		U2/50	

BUG Rating: B2-U3-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	775.2	775.2	775.2	775.2	775.2	775.2	775.2	775.2	775.2	775.2	775.2
2.5°	769.5	769.5	769.5	772.4	775.2	772.4	769.5	766.6	763.7	766.6	766.6
5°	766.6	766.6	769.5	769.5	772.4	775.2	772.4	769.5	766.6	766.6	766.6
7.5°	752.2	755.1	755.1	757.9	760.8	766.6	766.6	760.8	760.8	760.8	760.8
10°	737.8	737.8	740.7	743.5	746.4	752.2	752.2	746.4	749.3	752.2	752.2
12.5°	729.1	729.1	732.0	737.8	740.7	743.5	746.4	746.4	749.3	746.4	749.3
15°	723.4	723.4	723.4	732.0	740.7	743.5	749.3	752.2	755.1	755.1	755.1
17.5°	726.2	726.2	726.2	737.8	743.5	752.2	757.9	760.8	760.8	763.7	763.7
20°	732.0	732.0	734.9	743.5	755.1	763.7	769.5	772.4	772.4	778.1	778.1
22.5°	743.5	749.3	746.4	755.1	763.7	775.2	783.9	789.6	789.6	795.4	795.4
25°	769.5	766.6	769.5	778.1	786.8	795.4	801.2	809.8	812.7	818.5	818.5
27.5°	798.3	798.3	798.3	806.9	812.7	821.3	827.1	832.9	838.6	847.3	850.2
30°	841.5	838.6	835.8	844.4	850.2	858.8	864.6	867.5	867.5	873.2	879.0
32.5°	899.2	899.2	899.2	904.9	907.8	916.5	919.3	922.2	919.3	928.0	930.9
35°	971.2	971.2	974.1	979.9	988.5	994.3	997.1	994.3	997.1	1002.9	1008.7
37.5°	1043.3	1046.1	1054.8	1063.4	1069.2	1080.7	1089.4	1089.4	1092.2	1109.5	1109.5
40°	844.4	853.0	861.7	881.9	907.8	942.4	1000.0	1023.1	1089.4	1123.9	1132.6
42.5°	573.5	593.7	616.7	642.7	662.8	665.7	720.5	752.2	818.5	881.9	899.2
45°	547.6	570.6	593.7	576.4	590.8	544.7	599.4	605.2	636.9	685.9	815.6
47.5°	804.1	835.8	867.5	824.2	832.9	732.0	752.2	729.1	657.1	737.8	953.9
50°	1049.0	1046.1	1092.2	1072.1	1095.1	985.6	994.3	948.2	835.8	948.2	1256.5
52.5°	1285.3	1308.4	1357.4	1351.6	1368.9	1227.7	1201.8	1161.4	985.6	1158.5	1521.7
55°	1559.1	1576.4	1622.5	1608.1	1599.5	1458.3	1412.1	1371.8	1201.8	1426.6	1804.1
57.5°	1815.6	1824.3	1879.0	1830.0	1801.2	1694.6	1631.2	1564.9	1397.7	1671.5	2000.1
60°	2060.6	2072.1	2103.8	2037.5	1991.4	1907.8	1830.0	1758.0	1602.3	1890.5	2181.6
62.5°	2291.1	2279.6	2294.0	2210.4	2178.7	2103.8	2020.2	1930.9	1795.4	2063.5	2357.4
65°	2423.7	2423.7	2441.0	2334.4	2285.4	2239.3	2147.0	2043.3	1919.4	2147.0	2466.9
67.5°	2550.5	2576.4	2567.8	2481.3	2417.9	2354.5	2250.8	2103.8	1979.9	2147.0	2472.7
70°	2504.4	2536.1	2501.5	2432.3	2368.9	2294.0	2198.9	2054.8	1916.5	2043.3	2340.1
72.5°	2305.5	2328.6	2314.2	2253.7	2175.8	2126.9	2026.0	1916.5	1755.1	1864.6	2124.0
75°	2034.6	2028.9	2054.8	1985.6	1919.4	1873.2	1775.3	1706.1	1556.2	1636.9	1884.8
77.5°	1639.8	1642.7	1697.5	1619.6	1567.8	1536.1	1446.7	1389.1	1253.6	1325.7	1515.9
80°	1100.9	1132.6	1184.5	1100.9	1092.2	1049.0	974.1	936.6	832.9	867.5	968.3
82.5°	458.2	472.6	489.9	464.0	455.3	440.9	409.2	397.7	357.4	374.6	374.6
85°	256.5	253.6	262.3	262.3	256.5	245.0	233.4	213.3	196.0	193.1	178.7
87.5°	216.1	219.0	224.8	224.8	213.3	204.6	190.2	175.8	161.4	152.7	138.3
90°	201.7	204.6	207.5	198.9	187.3	178.7	167.2	155.6	144.1	138.3	123.9
92.5°	193.1	193.1	193.1	181.6	170.0	161.4	152.7	141.2	132.6	126.8	115.3
95°	161.4	158.5	155.6	149.9	138.3	129.7	123.9	112.4	106.6	100.9	95.1
97.5°	121.0	118.2	115.3	112.4	100.9	95.1	92.2	86.5	80.7	72.0	69.2
100°	86.5	83.6	83.6	80.7	74.9	69.2	66.3	60.5	54.8	49.0	46.1
102.5°	57.6	54.8	54.8	51.9	49.0	46.1	40.3	37.5	31.7	28.8	25.9
105°	31.7	31.7	31.7	28.8	28.8	25.9	23.1	20.2	17.3	17.3	14.4
107.5°	23.1	23.1	23.1	23.1	20.2	20.2	17.3	14.4	14.4	11.5	11.5
110°	17.3	17.3	17.3	17.3	17.3	14.4	14.4	11.5	11.5	8.6	8.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.4	14.4	14.4	14.4	14.4	14.4	11.5	11.5	8.6	8.6	8.6
115°	14.4	14.4	14.4	14.4	11.5	11.5	8.6	8.6	8.6	8.6	5.8
117.5°	11.5	11.5	11.5	11.5	11.5	8.6	8.6	8.6	8.6	5.8	8.6
120°	11.5	11.5	11.5	11.5	8.6	8.6	8.6	5.8	5.8	5.8	5.8
122.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	5.8	5.8	5.8	5.8
125°	8.6	8.6	8.6	8.6	8.6	5.8	5.8	5.8	5.8	5.8	5.8
127.5°	8.6	8.6	5.8	8.6	5.8	5.8	5.8	5.8	5.8	2.9	5.8
130°	8.6	8.6	5.8	5.8	5.8	5.8	5.8	5.8	2.9	2.9	2.9
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	775.2	775.2	775.2	775.2	775.2	775.2	775.2	775.2	775.2	775.2
2.5°	769.5	769.5	772.4	769.5	769.5	763.7	760.8	757.9	757.9	757.9
5°	766.6	766.6	763.7	757.9	755.1	749.3	743.5	740.7	737.8	740.7
7.5°	760.8	755.1	749.3	737.8	729.1	726.2	714.7	711.8	711.8	711.8
10°	749.3	743.5	729.1	714.7	709.0	700.3	691.7	683.0	685.9	688.8
12.5°	746.4	732.0	720.5	706.1	697.4	683.0	680.1	671.5	668.6	668.6
15°	749.3	737.8	723.4	711.8	700.3	694.5	683.0	680.1	671.5	677.3
17.5°	760.8	743.5	732.0	720.5	709.0	703.2	694.5	688.8	691.7	691.7
20°	772.4	755.1	743.5	734.9	723.4	714.7	711.8	706.1	709.0	703.2
22.5°	789.6	772.4	763.7	752.2	743.5	737.8	732.0	734.9	729.1	732.0
25°	812.7	798.3	786.8	778.1	769.5	763.7	763.7	763.7	760.8	763.7
27.5°	844.4	830.0	821.3	815.6	806.9	801.2	795.4	798.3	801.2	798.3
30°	873.2	855.9	853.0	847.3	841.5	838.6	838.6	838.6	838.6	844.4
32.5°	919.3	902.0	896.3	896.3	890.5	887.6	884.7	890.5	893.4	890.5
35°	991.4	968.3	962.6	959.7	956.8	956.8	959.7	959.7	959.7	959.7
37.5°	1080.7	1049.0	1043.3	1040.4	1040.4	1040.4	1037.5	1040.4	1049.0	1051.9
40°	1121.1	1100.9	1109.5	1123.9	1132.6	1132.6	1129.7	1135.5	1144.1	1144.1
42.5°	907.8	864.6	896.3	953.9	991.4	1037.5	1046.1	1075.0	1098.0	1098.0
45°	737.8	559.1	570.6	608.1	625.4	665.7	688.8	714.7	729.1	709.0
47.5°	830.0	360.2	296.8	308.4	265.1	319.9	357.4	397.7	406.4	415.0
50°	1302.6	371.8	250.7	181.6	121.0	161.4	170.0	193.1	187.3	190.2
52.5°	1582.2	426.5	250.7	161.4	100.9	106.6	98.0	109.5	115.3	126.8
55°	1775.3	513.0	325.7	204.6	118.2	72.0	49.0	37.5	34.6	34.6
57.5°	1867.5	628.3	423.6	291.1	184.4	100.9	43.2	31.7	28.8	25.9
60°	1953.9	752.2	536.0	397.7	291.1	178.7	80.7	31.7	25.9	25.9
62.5°	2031.8	876.1	648.4	515.9	409.2	279.5	149.9	54.8	28.8	28.8
65°	2095.2	902.0	657.1	559.1	440.9	328.5	196.0	66.3	31.7	31.7
67.5°	2112.4	858.8	634.0	513.0	412.1	279.5	152.7	54.8	37.5	34.6
70°	1997.2	815.6	636.9	487.0	371.8	247.8	100.9	63.4	49.0	46.1
72.5°	1807.0	755.1	605.2	472.6	357.4	250.7	118.2	103.7	92.2	86.5
75°	1590.8	683.0	559.1	452.5	345.8	242.1	138.3	129.7	118.2	115.3
77.5°	1276.7	567.7	469.8	383.3	291.1	193.1	115.3	109.5	95.1	95.1
80°	838.6	423.6	354.5	294.0	221.9	135.5	86.5	77.8	69.2	66.3
82.5°	342.9	247.8	213.3	184.4	144.1	86.5	57.6	49.0	40.3	37.5
85°	167.2	123.9	106.6	86.5	72.0	49.0	37.5	31.7	23.1	23.1
87.5°	135.5	98.0	80.7	66.3	49.0	34.6	25.9	20.2	14.4	11.5
90°	123.9	86.5	69.2	54.8	40.3	28.8	17.3	14.4	8.6	5.8
92.5°	112.4	74.9	60.5	43.2	31.7	23.1	11.5	8.6	5.8	5.8
95°	92.2	57.6	46.1	34.6	25.9	17.3	11.5	5.8	2.9	2.9
97.5°	66.3	43.2	34.6	25.9	20.2	11.5	8.6	5.8	2.9	2.9
100°	46.1	28.8	25.9	20.2	14.4	8.6	5.8	2.9	2.9	2.9
102.5°	23.1	17.3	17.3	14.4	11.5	8.6	2.9	2.9	0.0	0.0
105°	14.4	11.5	11.5	8.6	5.8	5.8	2.9	2.9	0.0	0.0
107.5°	8.6	8.6	8.6	5.8	5.8	2.9	2.9	0.0	0.0	0.0
110°	8.6	5.8	5.8	5.8	2.9	2.9	2.9	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C01-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.8	5.8	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0
115°	5.8	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
117.5°	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
120°	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
122.5°	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
125°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
127.5°	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	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
135°	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
140°	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
145°	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
150°	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
155°	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
160°	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
165°	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)