

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: P691927

Luminaire Tested: **CRTK2-C01H-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691927
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-C01H-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K 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: 5484 lumens
Efficiency: N/A
Efficacy: 78.1 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): 70.2
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

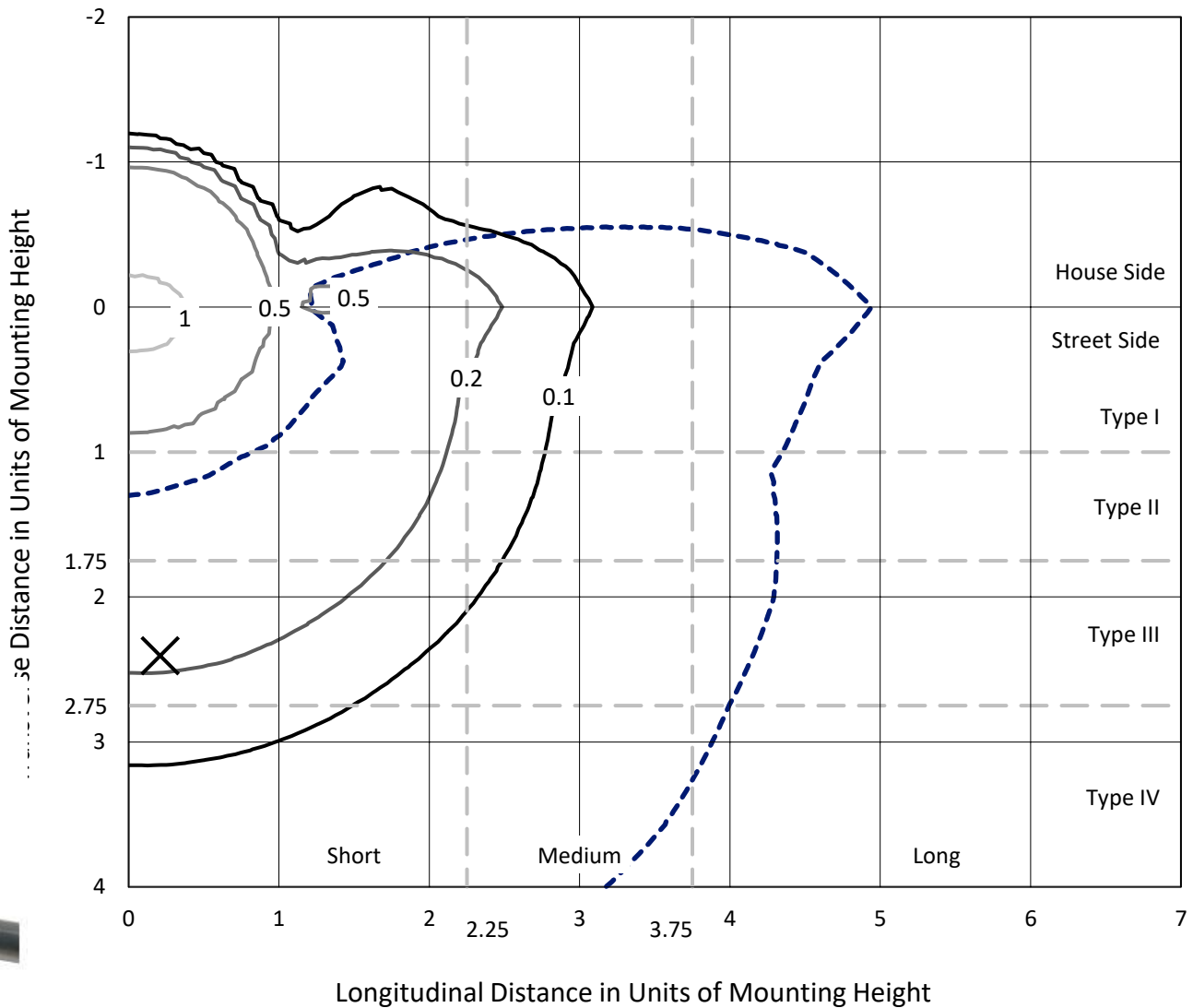


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

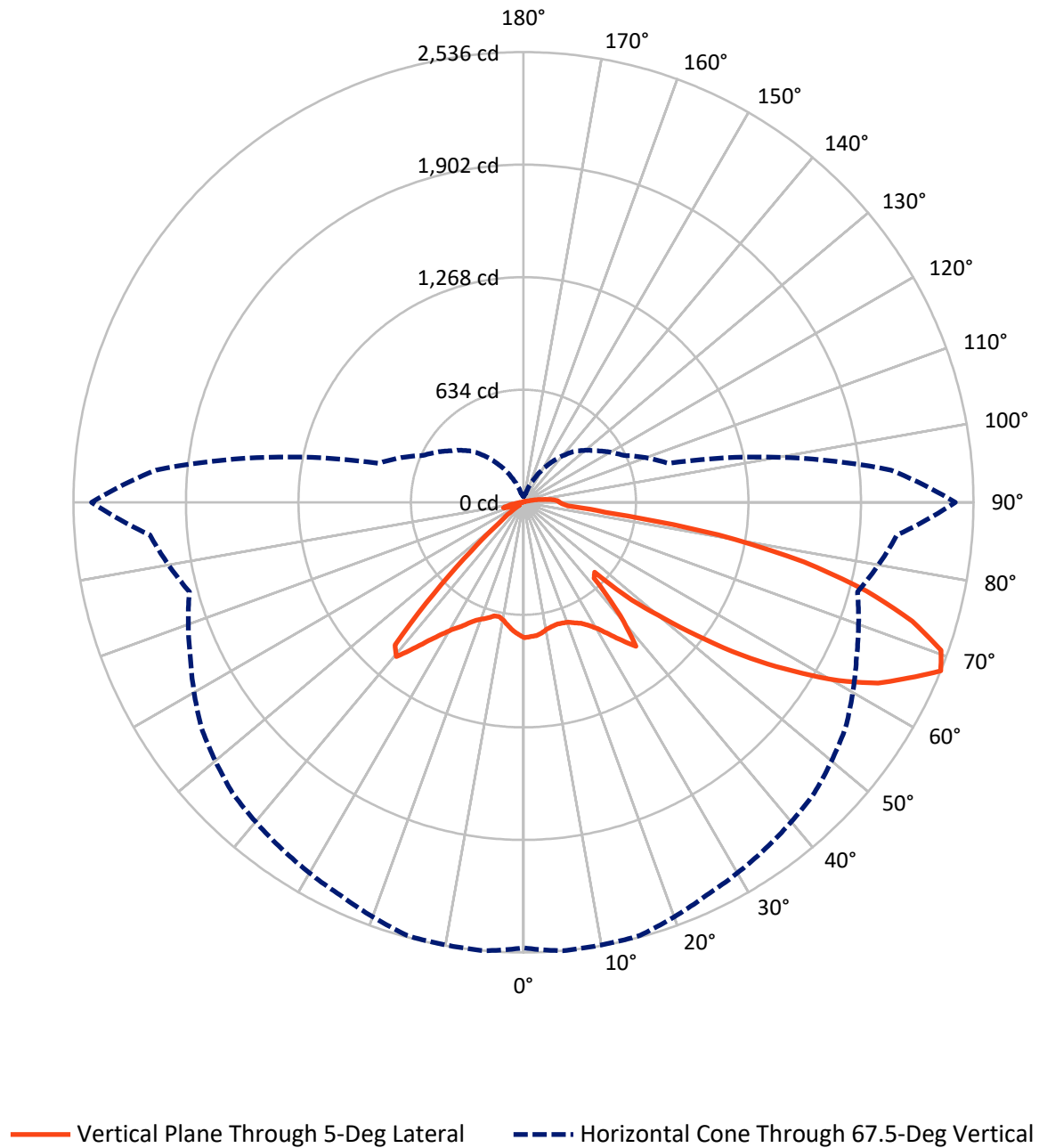


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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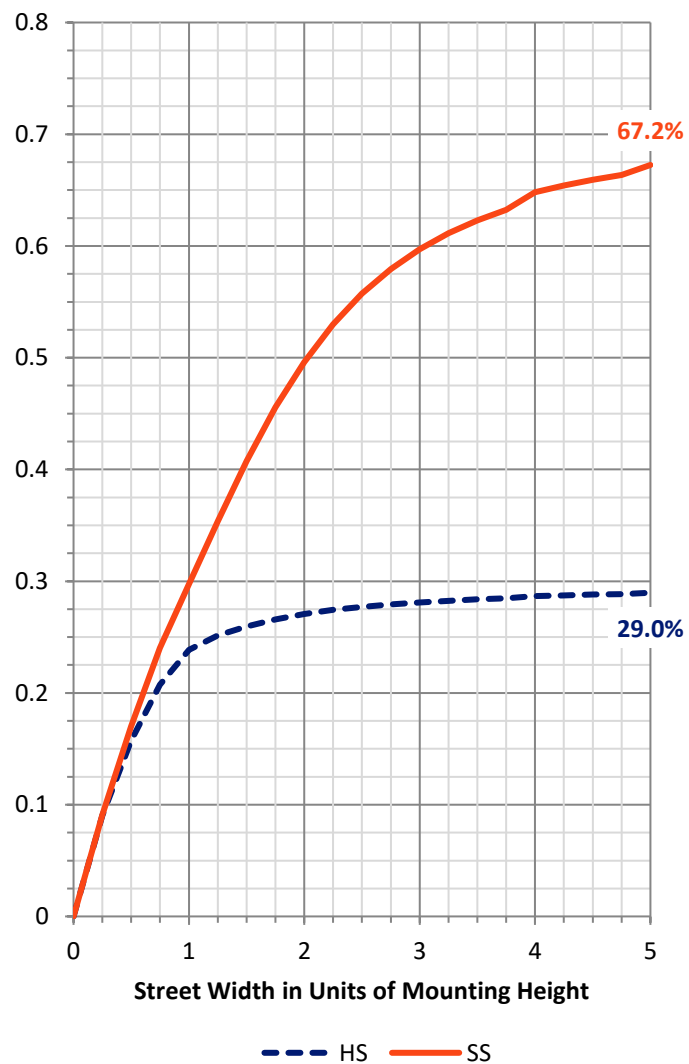
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1607.2	24.1	1631.3
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	3758.2	94.4	3852.6
	% Fixture	68.5	1.7	70.3
Total	Lumens	5365.4	118.6	5484.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.5	1.3
10°-20°	203.5	3.7
20°-30°	361.5	6.6
30°-40°	604.5	11.0
40°-50°	552.0	10.1
50°-60°	819.5	14.9
60°-70°	1344.3	24.5
70°-80°	1153.7	21.0
80°-90°	255.9	4.7
90°-100°	86.4	1.6
100°-110°	21.3	0.4
110°-120°	6.8	0.1
120°-130°	3.8	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°	5365.4	97.8
0°-180°	5484.0	100.0

Coefficient of Utilization



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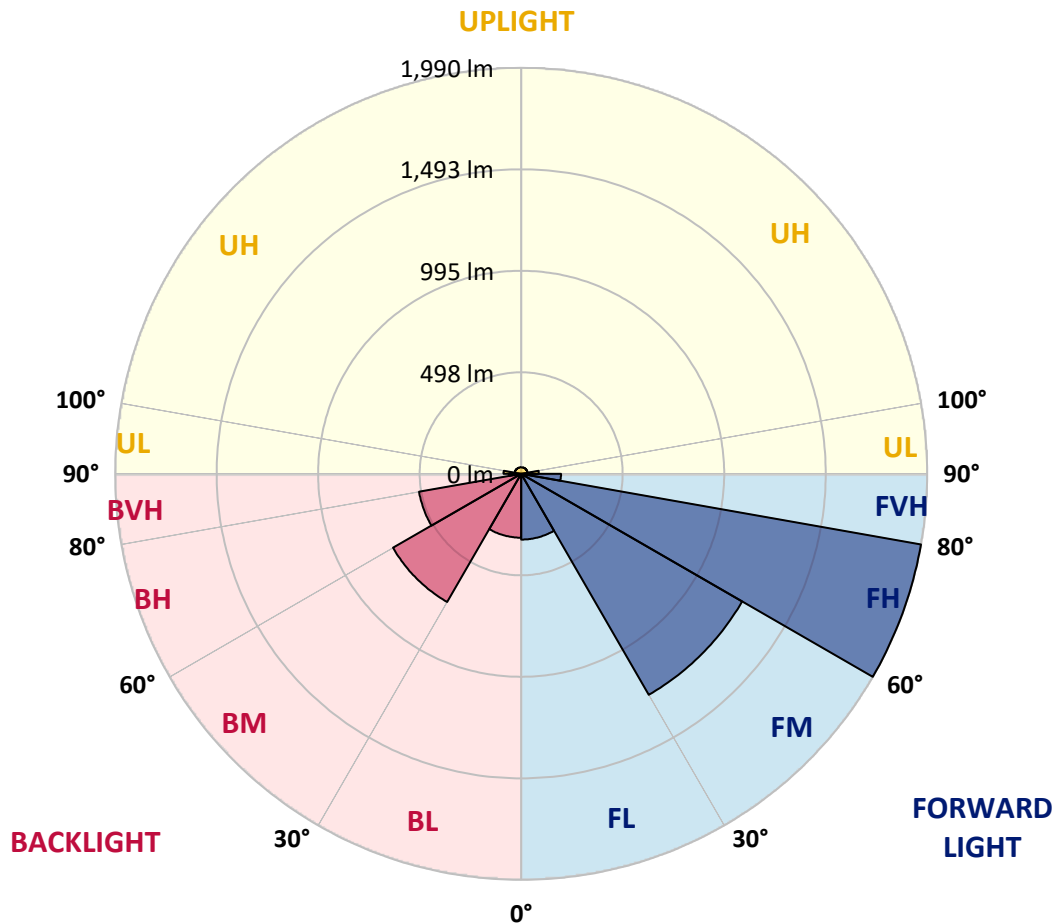
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	322.3	5.9			
FM	(30°-60°)	1250.7	22.8			
FH	(60°-80°)	1990.0	36.3			G2/5000
FVH	(80°-90°)	195.1	3.6			G2/225
BL	(0°-30°)	313.1	5.7	B1/500		
BM	(30°-60°)	725.3	13.2	B1/1000		
BH	(60°-80°)	508.0	9.3	B2/1000		G2/1000
BVH	(80°-90°)	60.8	1.1			G1/100
UL	(90°-100°)	86.4	1.6		U3/500	
UH	(100°-180°)	32.2	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°	763.0	763.0	763.0	763.0	763.0	763.0	763.0	763.0	763.0	763.0	763.0
2.5°	757.3	757.3	757.3	760.2	763.0	760.2	757.3	754.5	751.6	754.5	754.5
5°	754.5	754.5	757.3	757.3	760.2	763.0	760.2	757.3	754.5	754.5	754.5
7.5°	740.3	743.1	743.1	746.0	748.8	754.5	754.5	748.8	748.8	748.8	748.8
10°	726.1	726.1	729.0	731.8	734.6	740.3	740.3	734.6	737.5	740.3	740.3
12.5°	717.6	717.6	720.4	726.1	729.0	731.8	734.6	734.6	737.5	734.6	737.5
15°	711.9	711.9	711.9	720.4	729.0	731.8	737.5	740.3	743.1	743.1	743.1
17.5°	714.8	714.8	714.8	726.1	731.8	740.3	746.0	748.8	748.8	751.6	751.6
20°	720.4	720.4	723.3	731.8	743.1	751.6	757.3	760.2	760.2	765.8	765.8
22.5°	731.8	737.5	734.6	743.1	751.6	763.0	771.5	777.2	777.2	782.8	782.8
25°	757.3	754.5	757.3	765.8	774.3	782.8	788.5	797.0	799.9	805.5	805.5
27.5°	785.7	785.7	785.7	794.2	799.9	808.4	814.0	819.7	825.4	833.9	836.7
30°	828.2	825.4	822.6	831.1	836.7	845.2	850.9	853.8	853.8	859.4	865.1
32.5°	885.0	885.0	885.0	890.6	893.5	902.0	904.8	907.6	904.8	913.3	916.2
35°	955.9	955.9	958.7	964.4	972.9	978.6	981.4	978.6	981.4	987.1	992.7
37.5°	1026.8	1029.6	1038.1	1046.6	1052.3	1063.7	1072.2	1072.2	1075.0	1092.0	1092.0
40°	831.1	839.6	848.1	867.9	893.5	927.5	984.2	1006.9	1072.2	1106.2	1114.7
42.5°	564.4	584.3	607.0	632.5	652.4	655.2	709.1	740.3	805.5	867.9	885.0
45°	538.9	561.6	584.3	567.3	581.5	536.1	590.0	595.6	626.8	675.1	802.7
47.5°	791.4	822.6	853.8	811.2	819.7	720.4	740.3	717.6	646.7	726.1	938.9
50°	1032.5	1029.6	1075.0	1055.1	1077.8	970.1	978.6	933.2	822.6	933.2	1236.7
52.5°	1265.0	1287.7	1335.9	1330.3	1347.3	1208.3	1182.8	1143.1	970.1	1140.2	1497.6
55°	1534.5	1551.5	1596.9	1582.7	1574.2	1435.2	1389.8	1350.1	1182.8	1404.0	1775.6
57.5°	1786.9	1795.4	1849.3	1801.1	1772.8	1667.8	1605.4	1540.2	1375.7	1645.1	1968.5
60°	2028.0	2039.4	2070.6	2005.3	1960.0	1877.7	1801.1	1730.2	1577.0	1860.7	2147.2
62.5°	2254.9	2243.6	2257.8	2175.5	2144.3	2070.6	1988.3	1900.4	1767.1	2030.9	2320.2
65°	2385.4	2385.4	2402.4	2297.5	2249.3	2203.9	2113.1	2011.0	1889.0	2113.1	2428.0
67.5°	2510.2	2535.7	2527.2	2442.1	2379.7	2317.3	2215.2	2070.6	1948.6	2113.1	2433.6
70°	2464.8	2496.0	2462.0	2393.9	2331.5	2257.8	2164.2	2022.4	1886.2	2011.0	2303.2
72.5°	2269.1	2291.8	2277.6	2218.1	2141.5	2093.3	1994.0	1886.2	1727.4	1835.2	2090.4
75°	2002.5	1996.8	2022.4	1954.3	1889.0	1843.7	1747.2	1679.2	1531.7	1611.1	1855.0
77.5°	1613.9	1616.8	1670.6	1594.1	1543.0	1511.8	1423.9	1367.1	1233.8	1304.7	1491.9
80°	1083.5	1114.7	1165.8	1083.5	1075.0	1032.5	958.7	921.8	819.7	853.8	953.0
82.5°	451.0	465.2	482.2	456.7	448.2	434.0	402.8	391.4	351.7	368.7	368.7
85°	252.4	249.6	258.1	258.1	252.4	241.1	229.7	209.9	192.9	190.0	175.9
87.5°	212.7	215.6	221.2	221.2	209.9	201.4	187.2	173.0	158.8	150.3	136.1
90°	198.5	201.4	204.2	195.7	184.4	175.9	164.5	153.2	141.8	136.1	122.0
92.5°	190.0	190.0	190.0	178.7	167.3	158.8	150.3	139.0	130.5	124.8	113.5
95°	158.8	156.0	153.2	147.5	136.1	127.6	122.0	110.6	104.9	99.3	93.6
97.5°	119.1	116.3	113.5	110.6	99.3	93.6	90.8	85.1	79.4	70.9	68.1
100°	85.1	82.3	82.3	79.4	73.7	68.1	65.2	59.6	53.9	48.2	45.4
102.5°	56.7	53.9	53.9	51.1	48.2	45.4	39.7	36.9	31.2	28.4	25.5
105°	31.2	31.2	31.2	28.4	28.4	25.5	22.7	19.9	17.0	17.0	14.2
107.5°	22.7	22.7	22.7	22.7	19.9	19.9	17.0	14.2	14.2	11.3	11.3
110°	17.0	17.0	17.0	17.0	17.0	14.2	14.2	11.3	11.3	8.5	8.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.2	14.2	14.2	14.2	14.2	14.2	11.3	11.3	8.5	8.5	8.5
115°	14.2	14.2	14.2	14.2	11.3	11.3	8.5	8.5	8.5	8.5	5.7
117.5°	11.3	11.3	11.3	11.3	11.3	8.5	8.5	8.5	8.5	5.7	8.5
120°	11.3	11.3	11.3	11.3	8.5	8.5	8.5	5.7	5.7	5.7	5.7
122.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	5.7	5.7	5.7	5.7
125°	8.5	8.5	8.5	8.5	8.5	5.7	5.7	5.7	5.7	5.7	5.7
127.5°	8.5	8.5	5.7	8.5	5.7	5.7	5.7	5.7	5.7	2.8	5.7
130°	8.5	8.5	5.7	5.7	5.7	5.7	5.7	5.7	2.8	2.8	2.8
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°	763.0	763.0	763.0	763.0	763.0	763.0	763.0	763.0	763.0	763.0
2.5°	757.3	757.3	760.2	757.3	757.3	751.6	748.8	746.0	746.0	746.0
5°	754.5	754.5	751.6	746.0	743.1	737.5	731.8	729.0	726.1	729.0
7.5°	748.8	743.1	737.5	726.1	717.6	714.8	703.4	700.6	700.6	700.6
10°	737.5	731.8	717.6	703.4	697.8	689.2	680.7	672.2	675.1	677.9
12.5°	734.6	720.4	709.1	694.9	686.4	672.2	669.4	660.9	658.0	658.0
15°	737.5	726.1	711.9	700.6	689.2	683.6	672.2	669.4	660.9	666.6
17.5°	748.8	731.8	720.4	709.1	697.8	692.1	683.6	677.9	680.7	680.7
20°	760.2	743.1	731.8	723.3	711.9	703.4	700.6	694.9	697.8	692.1
22.5°	777.2	760.2	751.6	740.3	731.8	726.1	720.4	723.3	717.6	720.4
25°	799.9	785.7	774.3	765.8	757.3	751.6	751.6	751.6	748.8	751.6
27.5°	831.1	816.9	808.4	802.7	794.2	788.5	782.8	785.7	788.5	785.7
30°	859.4	842.4	839.6	833.9	828.2	825.4	825.4	825.4	825.4	831.1
32.5°	904.8	887.8	882.1	882.1	876.4	873.6	870.8	876.4	879.3	876.4
35°	975.7	953.0	947.4	944.5	941.7	941.7	944.5	944.5	944.5	944.5
37.5°	1063.7	1032.5	1026.8	1023.9	1023.9	1023.9	1021.1	1023.9	1032.5	1035.3
40°	1103.4	1083.5	1092.0	1106.2	1114.7	1114.7	1111.9	1117.5	1126.1	1126.1
42.5°	893.5	850.9	882.1	938.9	975.7	1021.1	1029.6	1058.0	1080.7	1080.7
45°	726.1	550.3	561.6	598.5	615.5	655.2	677.9	703.4	717.6	697.8
47.5°	816.9	354.6	292.1	303.5	260.9	314.8	351.7	391.4	399.9	408.4
50°	1282.1	365.9	246.8	178.7	119.1	158.8	167.3	190.0	184.4	187.2
52.5°	1557.2	419.8	246.8	158.8	99.3	104.9	96.4	107.8	113.5	124.8
55°	1747.2	504.9	320.5	201.4	116.3	70.9	48.2	36.9	34.0	34.0
57.5°	1838.0	618.3	417.0	286.5	181.5	99.3	42.5	31.2	28.4	25.5
60°	1923.1	740.3	527.6	391.4	286.5	175.9	79.4	31.2	25.5	25.5
62.5°	1999.7	862.3	638.2	507.7	402.8	275.1	147.5	53.9	28.4	28.4
65°	2062.1	887.8	646.7	550.3	434.0	323.4	192.9	65.2	31.2	31.2
67.5°	2079.1	845.2	624.0	504.9	405.6	275.1	150.3	53.9	36.9	34.0
70°	1965.6	802.7	626.8	479.4	365.9	243.9	99.3	62.4	48.2	45.4
72.5°	1778.4	743.1	595.6	465.2	351.7	246.8	116.3	102.1	90.8	85.1
75°	1565.7	672.2	550.3	445.3	340.4	238.3	136.1	127.6	116.3	113.5
77.5°	1256.5	558.8	462.3	377.2	286.5	190.0	113.5	107.8	93.6	93.6
80°	825.4	417.0	348.9	289.3	218.4	133.3	85.1	76.6	68.1	65.2
82.5°	337.5	243.9	209.9	181.5	141.8	85.1	56.7	48.2	39.7	36.9
85°	164.5	122.0	104.9	85.1	70.9	48.2	36.9	31.2	22.7	22.7
87.5°	133.3	96.4	79.4	65.2	48.2	34.0	25.5	19.9	14.2	11.3
90°	122.0	85.1	68.1	53.9	39.7	28.4	17.0	14.2	8.5	5.7
92.5°	110.6	73.7	59.6	42.5	31.2	22.7	11.3	8.5	5.7	5.7
95°	90.8	56.7	45.4	34.0	25.5	17.0	11.3	5.7	2.8	2.8
97.5°	65.2	42.5	34.0	25.5	19.9	11.3	8.5	5.7	2.8	2.8
100°	45.4	28.4	25.5	19.9	14.2	8.5	5.7	2.8	2.8	2.8
102.5°	22.7	17.0	17.0	14.2	11.3	8.5	2.8	2.8	0.0	0.0
105°	14.2	11.3	11.3	8.5	5.7	5.7	2.8	2.8	0.0	0.0
107.5°	8.5	8.5	8.5	5.7	5.7	2.8	2.8	0.0	0.0	0.0
110°	8.5	5.7	5.7	5.7	2.8	2.8	2.8	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C01H-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.7	5.7	5.7	2.8	2.8	2.8	2.8	0.0	0.0	0.0
115°	5.7	5.7	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
117.5°	5.7	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
120°	5.7	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
122.5°	5.7	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
125°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
127.5°	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.8	2.8	2.8	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)