

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: P690908

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690908
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-C01-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K 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: 5634 lumens
Efficiency: N/A
Efficacy: 93.9 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): 60
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

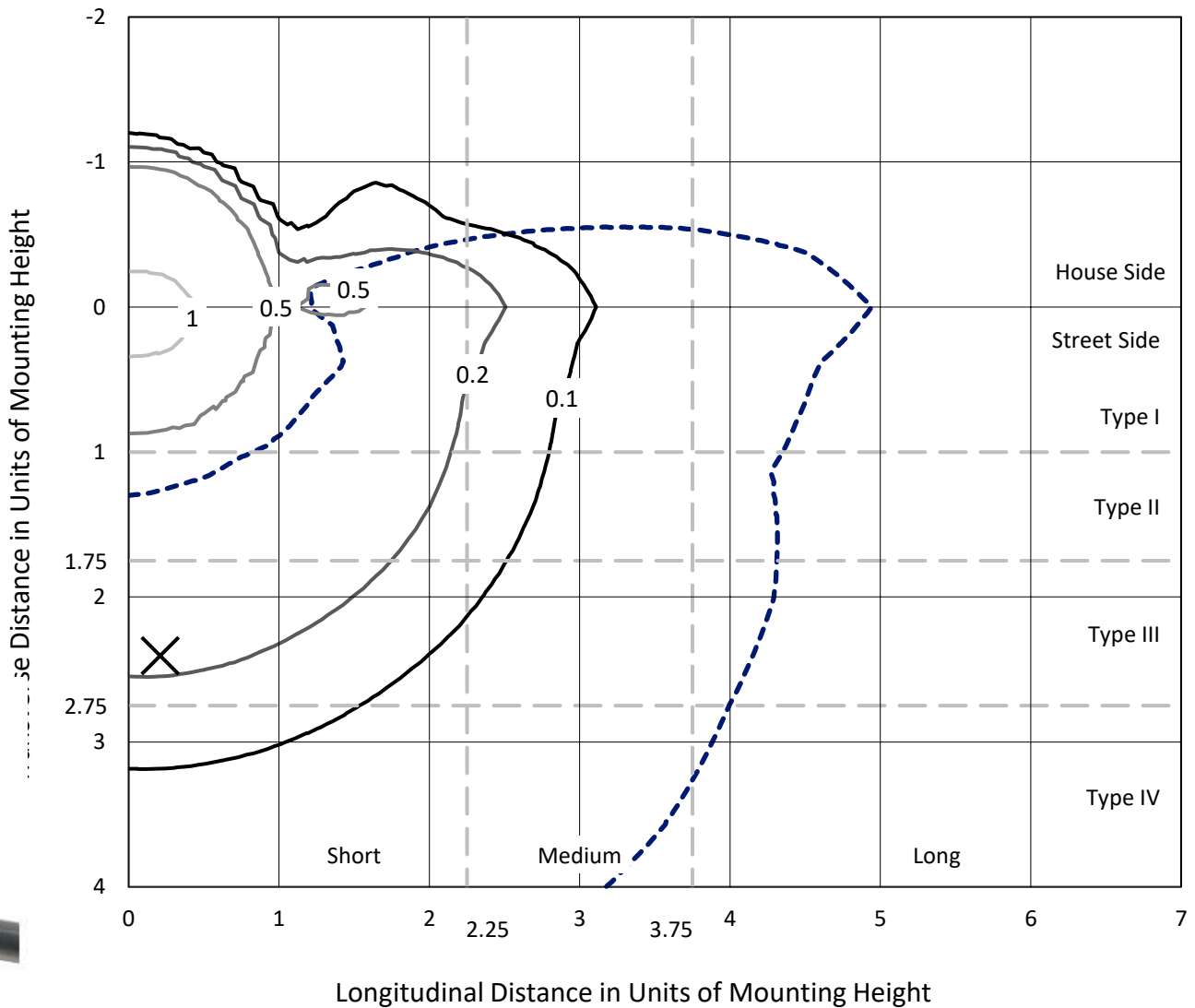


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Iso-Footcandle Lines of Horizontal Illumination

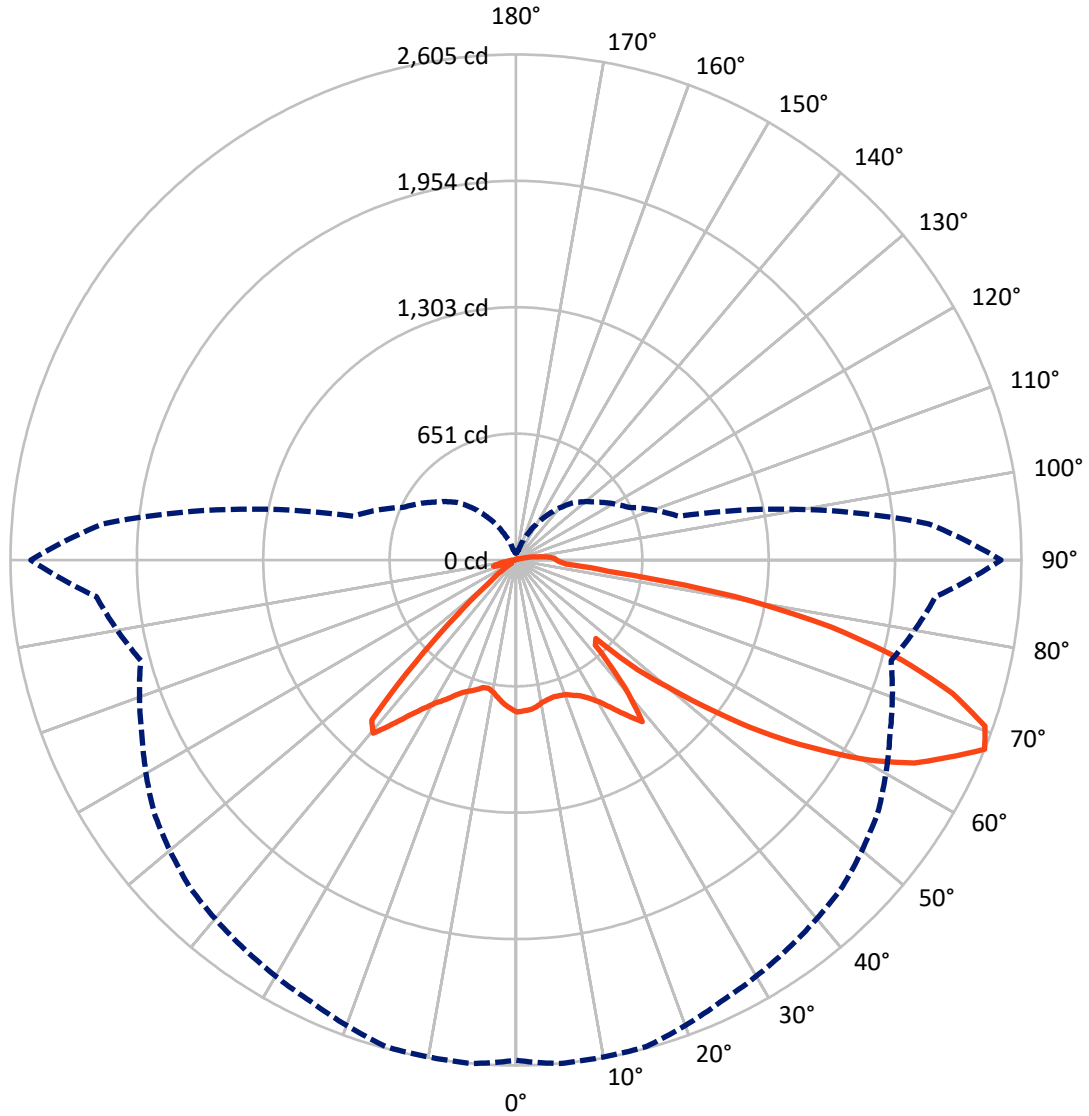
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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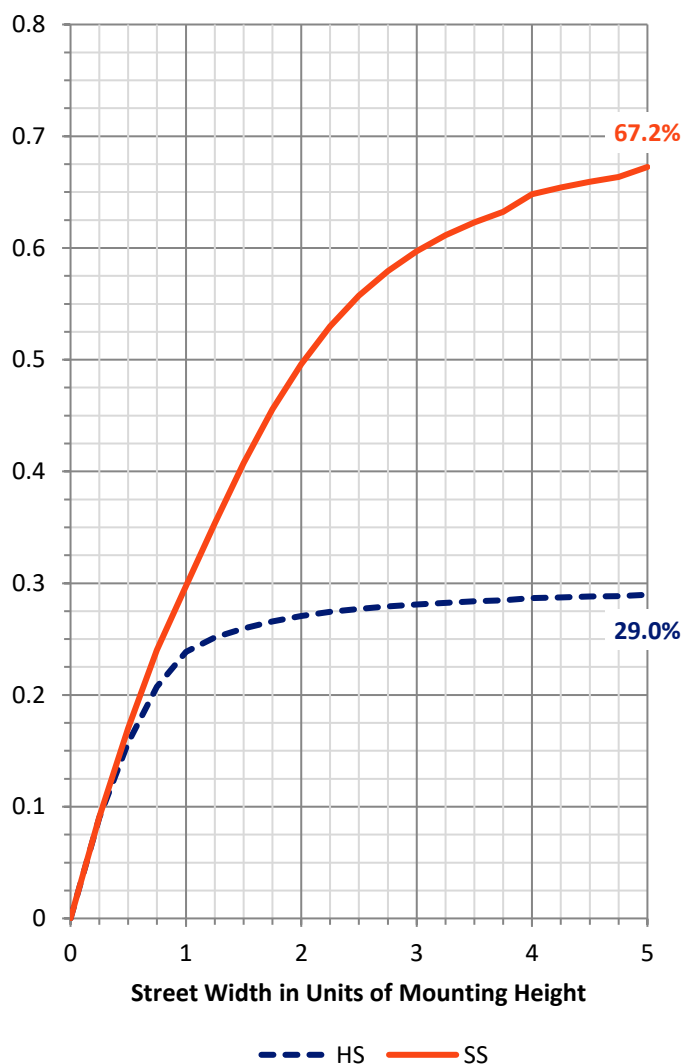
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1651.2	24.8	1676.0
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	3861.0	97.0	3958.0
	% Fixture	68.5	1.7	70.3
Total	Lumens	5512.2	121.8	5634.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.4	1.3
10°-20°	209.0	3.7
20°-30°	371.4	6.6
30°-40°	621.0	11.0
40°-50°	567.1	10.1
50°-60°	841.9	14.9
60°-70°	1381.1	24.5
70°-80°	1185.3	21.0
80°-90°	262.9	4.7
90°-100°	88.7	1.6
100°-110°	21.9	0.4
110°-120°	7.0	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°	5512.2	97.8
0°-180°	5634.0	100.0

Coefficient of Utilization



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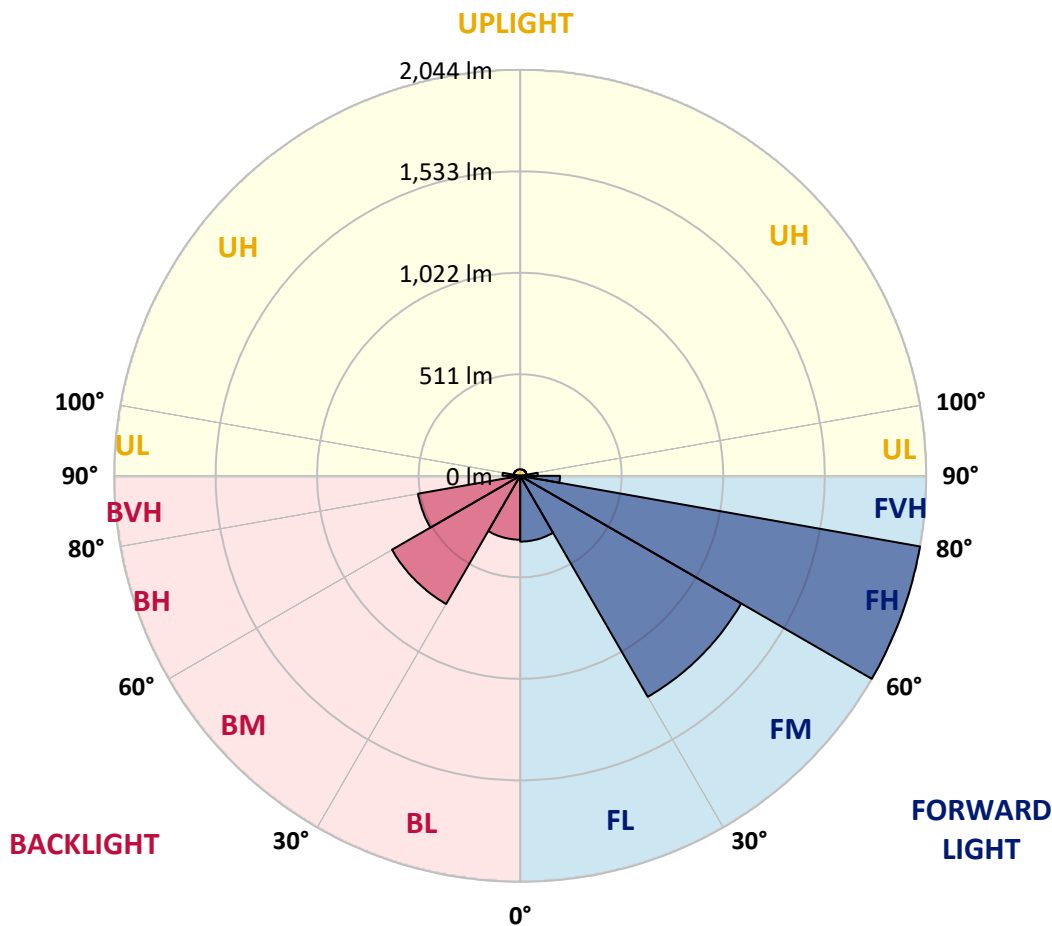
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	331.1	5.9			
FM (30°-60°)	1284.9	22.8			
FH (60°-80°)	2044.5	36.3			G2/5000
FVH (80°-90°)	200.5	3.6			G2/225
BL (0°-30°)	321.7	5.7	B1/500		
BM (30°-60°)	745.1	13.2	B1/1000		
BH (60°-80°)	521.9	9.3	B2/1000		G2/1000
BVH (80°-90°)	62.5	1.1			G1/100
UL (90°-100°)	88.7	1.6		U3/500	
UH (100°-180°)	33.1	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°	783.9	783.9	783.9	783.9	783.9	783.9	783.9	783.9	783.9	783.9	783.9
2.5°	778.0	778.0	778.0	780.9	783.9	780.9	778.0	775.1	772.2	775.1	775.1
5°	775.1	775.1	778.0	778.0	780.9	783.9	780.9	778.0	775.1	775.1	775.1
7.5°	760.6	763.5	763.5	766.4	769.3	775.1	775.1	769.3	769.3	769.3	769.3
10°	746.0	746.0	748.9	751.8	754.7	760.6	760.6	754.7	757.6	760.6	760.6
12.5°	737.2	737.2	740.2	746.0	748.9	751.8	754.7	754.7	757.6	754.7	757.6
15°	731.4	731.4	731.4	740.2	748.9	751.8	757.6	760.6	763.5	763.5	763.5
17.5°	734.3	734.3	734.3	746.0	751.8	760.6	766.4	769.3	769.3	772.2	772.2
20°	740.2	740.2	743.1	751.8	763.5	772.2	778.0	780.9	780.9	786.8	786.8
22.5°	751.8	757.6	754.7	763.5	772.2	783.9	792.6	798.4	798.4	804.3	804.3
25°	778.0	775.1	778.0	786.8	795.5	804.3	810.1	818.8	821.7	827.6	827.6
27.5°	807.2	807.2	807.2	815.9	821.7	830.5	836.3	842.1	848.0	856.7	859.6
30°	850.9	848.0	845.1	853.8	859.6	868.4	874.2	877.1	877.1	882.9	888.8
32.5°	909.2	909.2	909.2	915.0	917.9	926.6	929.6	932.5	929.6	938.3	941.2
35°	982.0	982.0	984.9	990.8	999.5	1005.3	1008.2	1005.3	1008.2	1014.1	1019.9
37.5°	1054.9	1057.8	1066.5	1075.3	1081.1	1092.7	1101.5	1101.5	1104.4	1121.9	1121.9
40°	853.8	862.5	871.3	891.7	917.9	952.9	1011.2	1034.5	1101.5	1136.5	1145.2
42.5°	579.9	600.3	623.6	649.8	670.2	673.1	728.5	760.6	827.6	891.7	909.2
45°	553.7	577.0	600.3	582.8	597.4	550.7	606.1	611.9	644.0	693.5	824.7
47.5°	813.0	845.1	877.1	833.4	842.1	740.2	760.6	737.2	664.4	746.0	964.5
50°	1060.7	1057.8	1104.4	1084.0	1107.3	996.6	1005.3	958.7	845.1	958.7	1270.5
52.5°	1299.6	1323.0	1372.5	1366.7	1384.1	1241.4	1215.1	1174.3	996.6	1171.4	1538.6
55°	1576.5	1594.0	1640.6	1626.0	1617.3	1474.5	1427.9	1387.1	1215.1	1442.4	1824.2
57.5°	1835.8	1844.6	1899.9	1850.4	1821.2	1713.4	1649.3	1582.3	1413.3	1690.1	2022.3
60°	2083.5	2095.2	2127.2	2060.2	2013.6	1929.1	1850.4	1777.5	1620.2	1911.6	2205.9
62.5°	2316.6	2305.0	2319.5	2235.0	2203.0	2127.2	2042.7	1952.4	1815.4	2086.4	2383.6
65°	2450.7	2450.7	2468.1	2360.3	2310.8	2264.2	2170.9	2066.0	1940.7	2170.9	2494.4
67.5°	2578.9	2605.1	2596.4	2508.9	2444.8	2380.7	2275.8	2127.2	2001.9	2170.9	2500.2
70°	2532.3	2564.3	2529.3	2459.4	2395.3	2319.5	2223.4	2077.7	1937.8	2066.0	2366.2
72.5°	2331.2	2354.5	2339.9	2278.7	2200.1	2150.5	2048.5	1937.8	1774.6	1885.3	2147.6
75°	2057.3	2051.4	2077.7	2007.7	1940.7	1894.1	1795.0	1725.1	1573.6	1655.1	1905.7
77.5°	1658.1	1661.0	1716.3	1637.7	1585.2	1553.2	1462.8	1404.5	1267.6	1340.4	1532.8
80°	1113.1	1145.2	1197.6	1113.1	1104.4	1060.7	984.9	947.0	842.1	877.1	979.1
82.5°	463.3	477.9	495.4	469.2	460.4	445.8	413.8	402.1	361.3	378.8	378.8
85°	259.3	256.4	265.2	265.2	259.3	247.7	236.0	215.6	198.2	195.2	180.7
87.5°	218.5	221.5	227.3	227.3	215.6	206.9	192.3	177.8	163.2	154.4	139.9
90°	204.0	206.9	209.8	201.1	189.4	180.7	169.0	157.4	145.7	139.9	125.3
92.5°	195.2	195.2	195.2	183.6	171.9	163.2	154.4	142.8	134.0	128.2	116.6
95°	163.2	160.3	157.4	151.5	139.9	131.1	125.3	113.6	107.8	102.0	96.2
97.5°	122.4	119.5	116.6	113.6	102.0	96.2	93.2	87.4	81.6	72.8	69.9
100°	87.4	84.5	84.5	81.6	75.8	69.9	67.0	61.2	55.4	49.5	46.6
102.5°	58.3	55.4	55.4	52.5	49.5	46.6	40.8	37.9	32.1	29.1	26.2
105°	32.1	32.1	32.1	29.1	29.1	26.2	23.3	20.4	17.5	17.5	14.6
107.5°	23.3	23.3	23.3	23.3	20.4	20.4	17.5	14.6	14.6	11.7	11.7
110°	17.5	17.5	17.5	17.5	17.5	14.6	14.6	11.7	11.7	8.7	8.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.6	14.6	14.6	14.6	14.6	14.6	11.7	11.7	8.7	8.7	8.7
115°	14.6	14.6	14.6	14.6	11.7	11.7	8.7	8.7	8.7	8.7	5.8
117.5°	11.7	11.7	11.7	11.7	11.7	8.7	8.7	8.7	8.7	5.8	8.7
120°	11.7	11.7	11.7	11.7	8.7	8.7	8.7	5.8	5.8	5.8	5.8
122.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	5.8	5.8	5.8	5.8
125°	8.7	8.7	8.7	8.7	8.7	5.8	5.8	5.8	5.8	5.8	5.8
127.5°	8.7	8.7	5.8	8.7	5.8	5.8	5.8	5.8	5.8	2.9	5.8
130°	8.7	8.7	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°	783.9	783.9	783.9	783.9	783.9	783.9	783.9	783.9	783.9	783.9
2.5°	778.0	778.0	780.9	778.0	778.0	772.2	769.3	766.4	766.4	766.4
5°	775.1	775.1	772.2	766.4	763.5	757.6	751.8	748.9	746.0	748.9
7.5°	769.3	763.5	757.6	746.0	737.2	734.3	722.7	719.8	719.8	719.8
10°	757.6	751.8	737.2	722.7	716.8	708.1	699.4	690.6	693.5	696.4
12.5°	754.7	740.2	728.5	713.9	705.2	690.6	687.7	679.0	676.0	676.0
15°	757.6	746.0	731.4	719.8	708.1	702.3	690.6	687.7	679.0	684.8
17.5°	769.3	751.8	740.2	728.5	716.8	711.0	702.3	696.4	699.4	699.4
20°	780.9	763.5	751.8	743.1	731.4	722.7	719.8	713.9	716.8	711.0
22.5°	798.4	780.9	772.2	760.6	751.8	746.0	740.2	743.1	737.2	740.2
25°	821.7	807.2	795.5	786.8	778.0	772.2	772.2	772.2	769.3	772.2
27.5°	853.8	839.2	830.5	824.7	815.9	810.1	804.3	807.2	810.1	807.2
30°	882.9	865.5	862.5	856.7	850.9	848.0	848.0	848.0	848.0	853.8
32.5°	929.6	912.1	906.3	906.3	900.4	897.5	894.6	900.4	903.3	900.4
35°	1002.4	979.1	973.3	970.4	967.4	967.4	970.4	970.4	970.4	970.4
37.5°	1092.7	1060.7	1054.9	1051.9	1051.9	1051.9	1049.0	1051.9	1060.7	1063.6
40°	1133.5	1113.1	1121.9	1136.5	1145.2	1145.2	1142.3	1148.1	1156.9	1156.9
42.5°	917.9	874.2	906.3	964.5	1002.4	1049.0	1057.8	1086.9	1110.2	1110.2
45°	746.0	565.3	577.0	614.9	632.3	673.1	696.4	722.7	737.2	716.8
47.5°	839.2	364.2	300.1	311.8	268.1	323.5	361.3	402.1	410.9	419.6
50°	1317.1	375.9	253.5	183.6	122.4	163.2	171.9	195.2	189.4	192.3
52.5°	1599.8	431.3	253.5	163.2	102.0	107.8	99.1	110.7	116.6	128.2
55°	1795.0	518.7	329.3	206.9	119.5	72.8	49.5	37.9	35.0	35.0
57.5°	1888.3	635.2	428.4	294.3	186.5	102.0	43.7	32.1	29.1	26.2
60°	1975.7	760.6	542.0	402.1	294.3	180.7	81.6	32.1	26.2	26.2
62.5°	2054.4	885.9	655.6	521.6	413.8	282.7	151.5	55.4	29.1	29.1
65°	2118.5	912.1	664.4	565.3	445.8	332.2	198.2	67.0	32.1	32.1
67.5°	2136.0	868.4	641.1	518.7	416.7	282.7	154.4	55.4	37.9	35.0
70°	2019.4	824.7	644.0	492.5	375.9	250.6	102.0	64.1	49.5	46.6
72.5°	1827.1	763.5	611.9	477.9	361.3	253.5	119.5	104.9	93.2	87.4
75°	1608.5	690.6	565.3	457.5	349.7	244.8	139.9	131.1	119.5	116.6
77.5°	1290.9	574.1	475.0	387.6	294.3	195.2	116.6	110.7	96.2	96.2
80°	848.0	428.4	358.4	297.2	224.4	137.0	87.4	78.7	69.9	67.0
82.5°	346.8	250.6	215.6	186.5	145.7	87.4	58.3	49.5	40.8	37.9
85°	169.0	125.3	107.8	87.4	72.8	49.5	37.9	32.1	23.3	23.3
87.5°	137.0	99.1	81.6	67.0	49.5	35.0	26.2	20.4	14.6	11.7
90°	125.3	87.4	69.9	55.4	40.8	29.1	17.5	14.6	8.7	5.8
92.5°	113.6	75.8	61.2	43.7	32.1	23.3	11.7	8.7	5.8	5.8
95°	93.2	58.3	46.6	35.0	26.2	17.5	11.7	5.8	2.9	2.9
97.5°	67.0	43.7	35.0	26.2	20.4	11.7	8.7	5.8	2.9	2.9
100°	46.6	29.1	26.2	20.4	14.6	8.7	5.8	2.9	2.9	2.9
102.5°	23.3	17.5	17.5	14.6	11.7	8.7	2.9	2.9	0.0	0.0
105°	14.6	11.7	11.7	8.7	5.8	5.8	2.9	2.9	0.0	0.0
107.5°	8.7	8.7	8.7	5.8	5.8	2.9	2.9	0.0	0.0	0.0
110°	8.7	5.8	5.8	5.8	2.9	2.9	2.9	0.0	0.0	0.0



REPORT NUMBER: P690908
 CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7050-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)