

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: P691428

Luminaire Tested: **CRTK2-C016-5TLD-U-T3-7050-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691428
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-5TLD-U-T3-7050-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5816 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G2

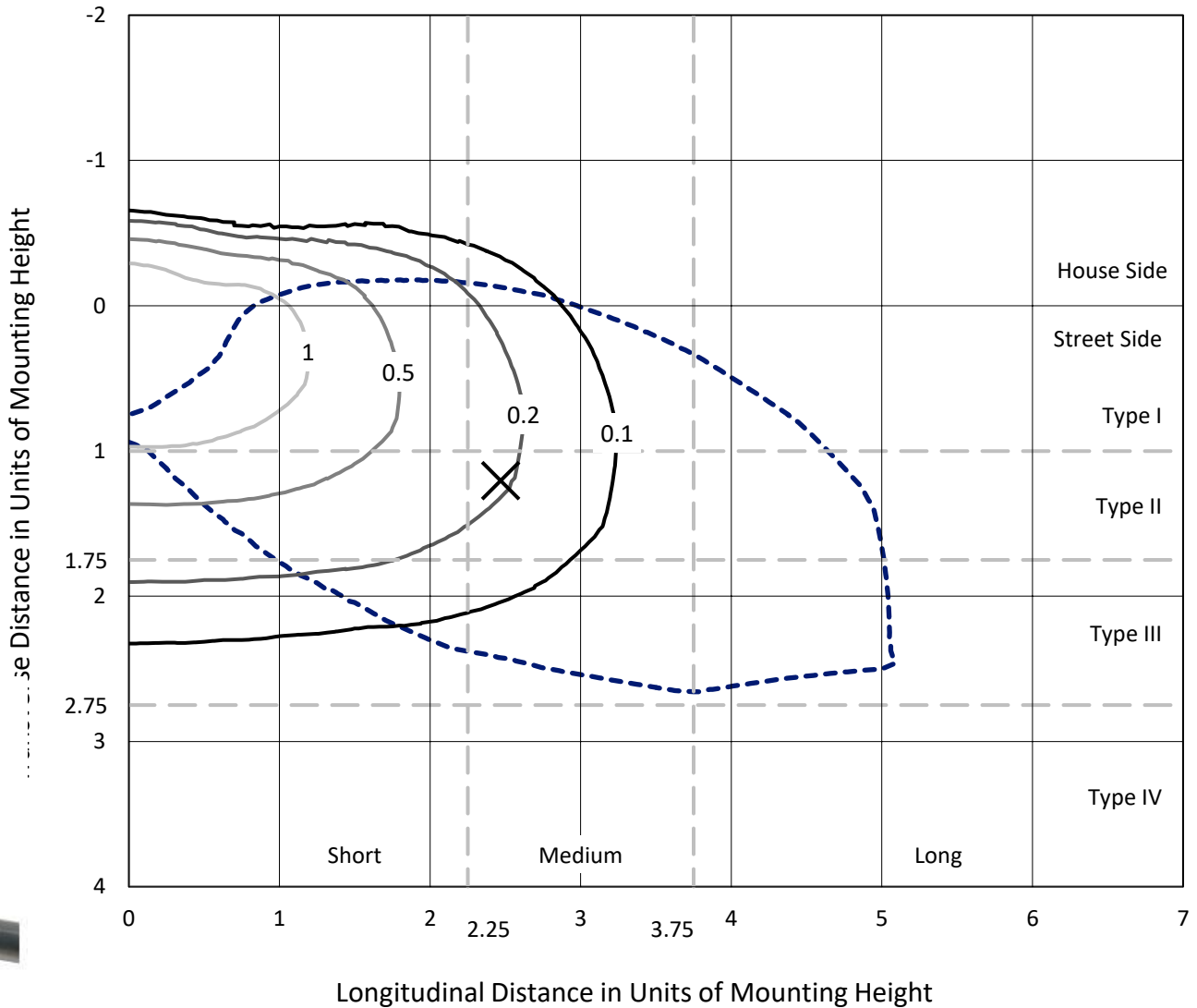
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

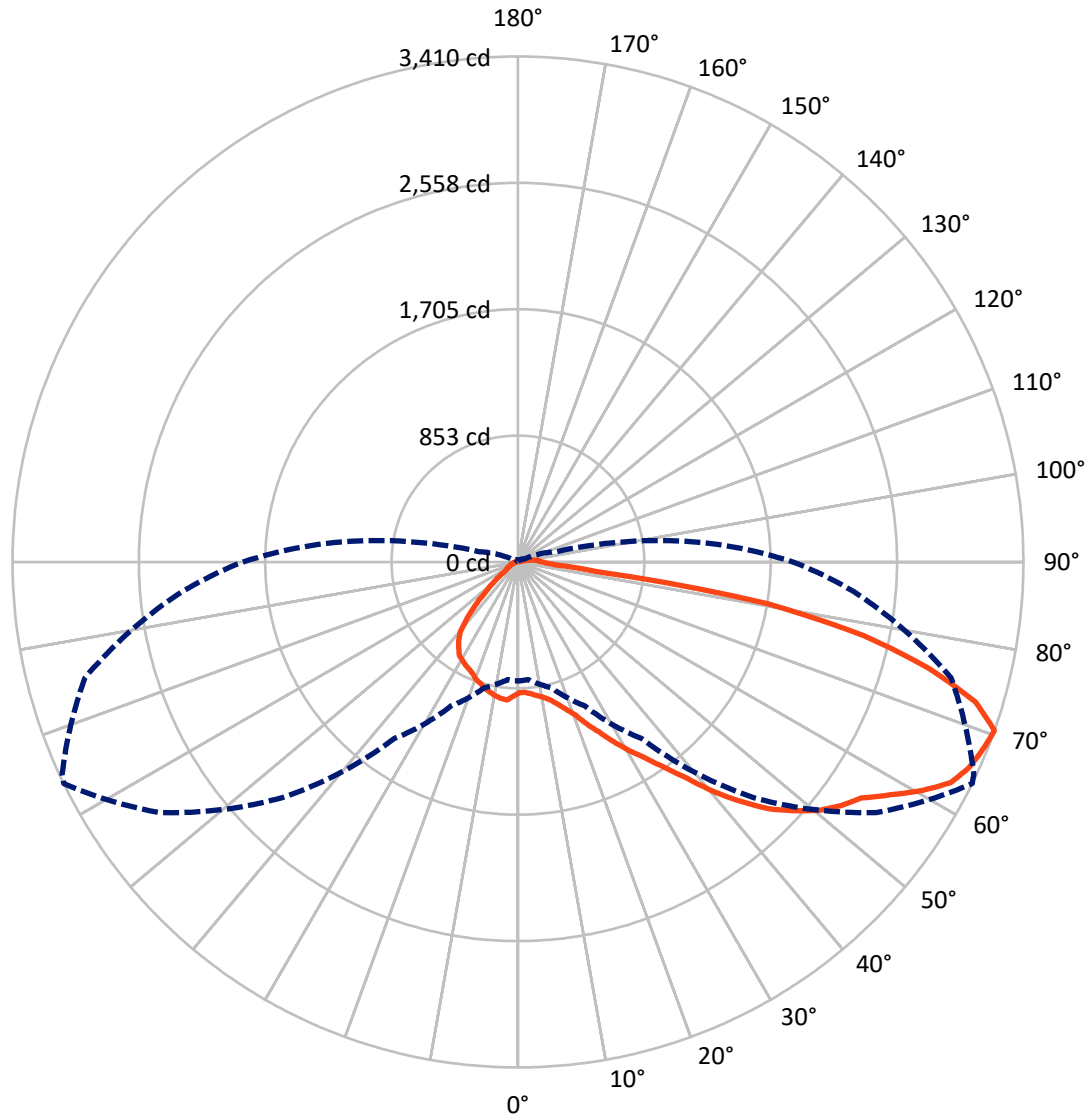
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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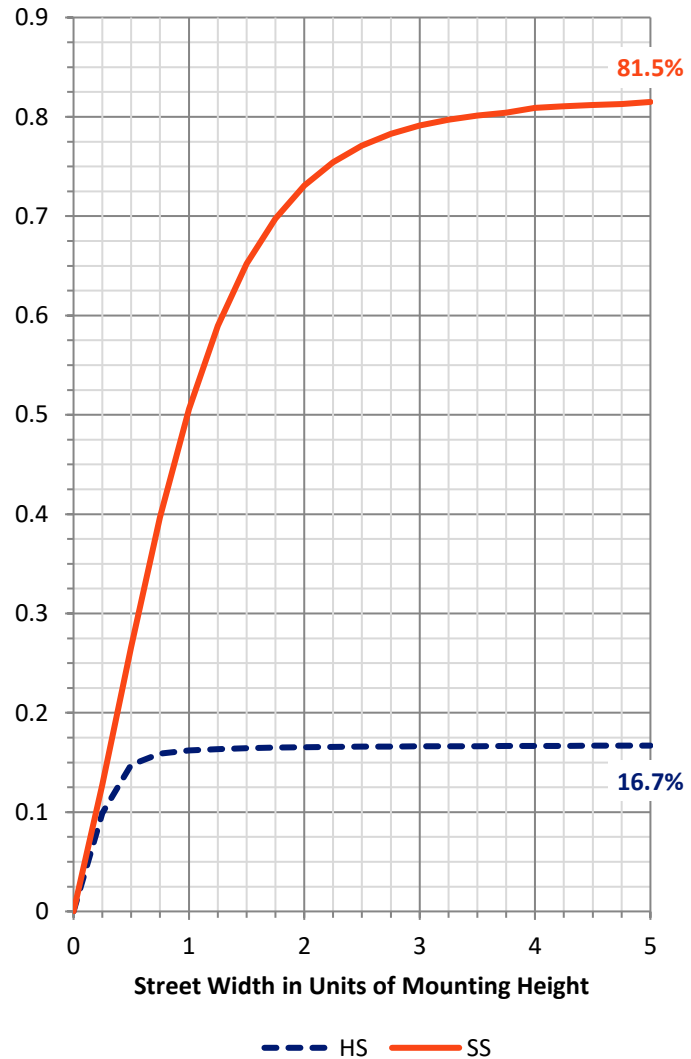
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	986.4	12.0	998.4
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	4768.6	49.1	4817.7
	% Fixture	82.0	0.8	82.8
Total	Lumens	5755.0	61.1	5816.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	1.5
10°-20°	268.1	4.6
20°-30°	463.4	8.0
30°-40°	687.6	11.8
40°-50°	944.5	16.2
50°-60°	1147.0	19.7
60°-70°	1218.6	21.0
70°-80°	805.1	13.8
80°-90°	133.3	2.3
90°-100°	49.7	0.9
100°-110°	8.4	0.1
110°-120°	0.6	0.0
120°-130°	0.7	0.0
130°-140°	0.6	0.0
140°-150°	0.5	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-90°	5755.0	98.9
0°-180°	5816.0	100.0

Coefficient of Utilization



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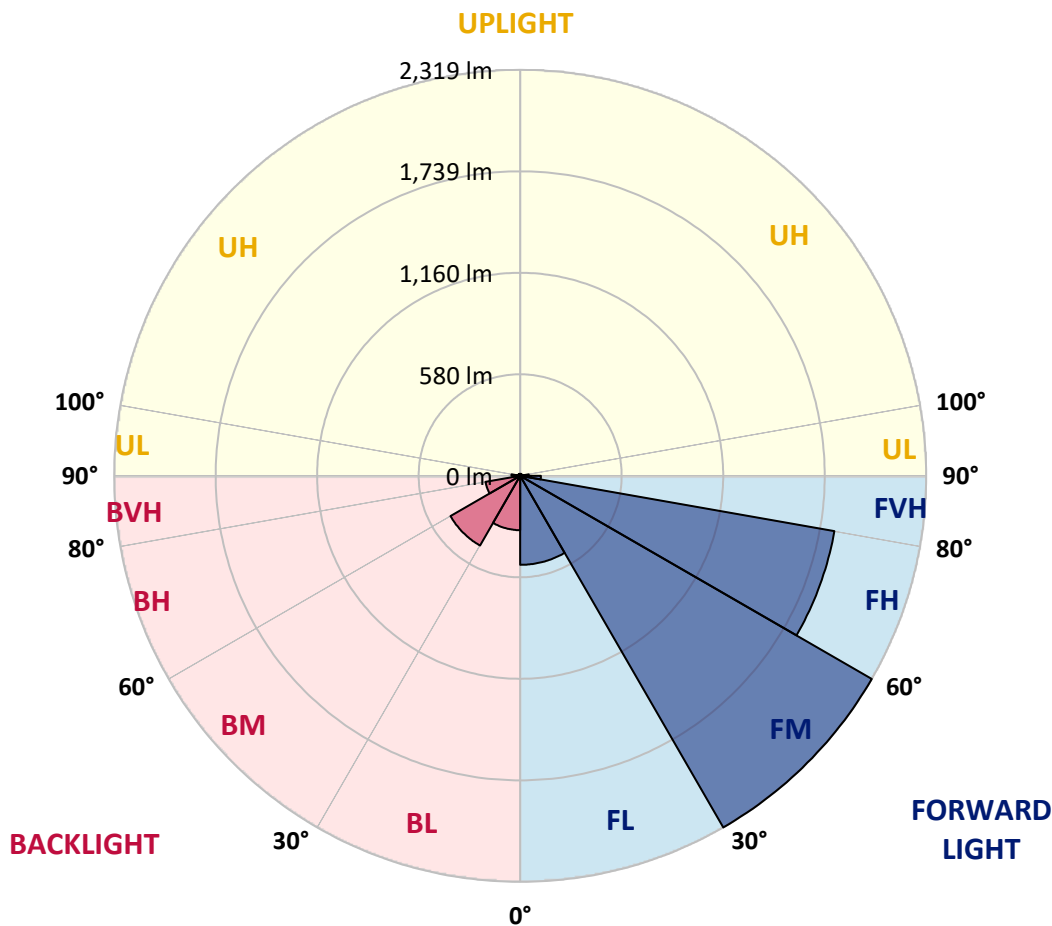
CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7050-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	508.4	8.7			
FM (30°-60°)	2319.3	39.9			
FH (60°-80°)	1822.6	31.3			G2/5000
FVH (80°-90°)	118.3	2.0			G2/225
BL (0°-30°)	310.5	5.3	B1/500		
BM (30°-60°)	459.8	7.9	B1/1000		
BH (60°-80°)	201.1	3.5	B1/500		G1/500
BVH (80°-90°)	15.0	0.3			G1/100
UL (90°-100°)	49.7	0.9		U2/50	
UH (100°-180°)	11.4	0.2		U2/50	

BUG Rating: B1-U2-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	882.3	882.3	882.3	882.3	882.3	882.3	882.3	882.3	882.3	882.3	882.3
2.5°	888.5	886.4	888.5	886.4	884.3	882.3	880.2	880.2	878.1	880.2	882.3
5°	928.0	930.1	926.0	917.6	907.2	898.9	894.7	892.7	892.7	894.7	903.1
7.5°	957.2	955.1	953.0	950.9	942.6	923.9	913.5	909.3	909.3	905.1	919.7
10°	1009.2	1005.0	994.6	982.1	973.8	953.0	934.3	928.0	926.0	928.0	940.5
12.5°	1065.4	1061.2	1059.1	1046.6	1017.5	998.8	967.6	953.0	953.0	953.0	959.2
15°	1146.5	1140.3	1119.5	1104.9	1079.9	1048.7	1013.3	992.5	992.5	996.7	980.1
17.5°	1204.8	1200.6	1198.5	1173.6	1152.8	1104.9	1077.9	1042.5	1042.5	1050.8	1015.4
20°	1265.1	1261.0	1263.0	1258.9	1227.7	1190.2	1142.4	1100.7	1100.7	1102.8	1052.9
22.5°	1346.3	1340.0	1340.0	1338.0	1321.3	1277.6	1221.4	1186.1	1179.8	1163.2	1100.7
25°	1427.4	1425.3	1421.2	1423.3	1419.1	1369.2	1308.8	1269.3	1269.3	1246.4	1165.2
27.5°	1508.6	1508.6	1506.5	1508.6	1506.5	1475.3	1414.9	1373.3	1375.4	1346.3	1236.0
30°	1566.8	1564.8	1579.3	1585.6	1589.7	1577.2	1519.0	1473.2	1477.4	1448.2	1319.2
32.5°	1620.9	1618.9	1643.8	1658.4	1662.6	1660.5	1612.6	1575.2	1585.6	1558.5	1419.1
35°	1670.9	1668.8	1702.1	1739.5	1756.2	1752.0	1720.8	1700.0	1710.4	1708.3	1554.4
37.5°	1708.3	1714.6	1758.3	1810.3	1839.4	1841.5	1826.9	1849.8	1862.3	1903.9	1722.9
40°	1752.0	1752.0	1793.6	1849.8	1901.8	1922.7	1935.1	2039.2	2051.7	2060.0	1835.3
42.5°	1706.3	1718.7	1808.2	1891.4	1958.0	2005.9	2074.6	2209.8	2236.9	2174.4	1972.6
45°	1670.9	1681.3	1772.8	1912.3	2008.0	2097.4	2226.5	2376.3	2397.1	2288.9	2045.4
47.5°	1633.4	1650.1	1743.7	1897.7	2055.8	2209.8	2353.4	2507.4	2526.1	2386.7	2147.4
50°	1589.7	1608.5	1708.3	1876.9	2080.8	2315.9	2467.8	2634.3	2636.4	2472.0	2203.6
52.5°	1548.1	1560.6	1664.6	1849.8	2101.6	2397.1	2576.0	2730.0	2717.5	2580.2	2263.9
55°	1477.4	1502.3	1612.6	1812.4	2112.0	2442.9	2650.9	2811.2	2819.5	2696.7	2345.1
57.5°	1412.9	1429.5	1546.0	1758.3	2103.7	2469.9	2723.8	2963.1	2979.7	2800.8	2403.3
60°	1331.7	1342.1	1454.5	1683.4	2049.6	2515.7	2886.1	3131.6	3150.3	2900.6	2426.2
62.5°	1229.7	1229.7	1342.1	1583.5	1980.9	2549.0	2998.4	3277.3	3277.3	2979.7	2434.5
65°	1098.7	1104.9	1204.8	1448.2	1866.5	2530.2	3031.7	3345.9	3352.2	3035.9	2430.4
67.5°	971.7	969.7	1057.0	1271.4	1693.8	2432.4	3006.7	3381.3	3406.3	3069.2	2376.3
70°	803.2	796.9	878.1	1071.6	1452.4	2247.3	2948.5	3410.4	3393.8	3025.5	2270.1
72.5°	618.0	611.8	672.1	819.8	1144.4	1928.9	2777.9	3227.3	3198.2	2788.3	2051.7
75°	439.0	430.7	478.6	576.4	753.2	1410.8	2382.5	2863.2	2829.9	2507.4	1712.5
77.5°	249.7	241.4	285.1	364.1	455.7	799.0	1804.0	2386.7	2432.4	2068.3	1308.8
80°	110.3	106.1	124.8	174.8	255.9	380.8	982.1	1706.3	1643.8	1410.8	744.9
82.5°	93.6	93.6	95.7	99.9	104.0	174.8	368.3	536.8	514.0	414.1	237.2
85°	81.2	79.1	83.2	87.4	89.5	114.4	214.3	258.0	253.9	228.9	164.4
87.5°	66.6	62.4	68.7	72.8	72.8	93.6	160.2	189.4	189.4	191.4	145.7
90°	58.3	58.3	54.1	54.1	56.2	66.6	122.8	156.1	160.2	197.7	168.5
92.5°	49.9	49.9	49.9	49.9	41.6	47.9	87.4	139.4	149.8	193.5	151.9
95°	47.9	45.8	47.9	43.7	41.6	43.7	66.6	122.8	135.3	170.6	133.2
97.5°	33.3	31.2	35.4	35.4	37.5	39.5	56.2	91.6	95.7	126.9	99.9
100°	22.9	20.8	20.8	20.8	27.1	27.1	45.8	56.2	58.3	81.2	66.6
102.5°	12.5	10.4	10.4	10.4	14.6	16.6	22.9	31.2	31.2	43.7	37.5
105°	4.2	4.2	6.2	6.2	6.2	8.3	8.3	10.4	10.4	12.5	16.6
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
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°	882.3	882.3	882.3	882.3	882.3	882.3	882.3	882.3	882.3	882.3	882.3
2.5°	884.3	888.5	898.9	905.1	913.5	921.8	928.0	928.0	934.3	930.1	928.0
5°	911.4	913.5	926.0	934.3	932.2	923.9	917.6	913.5	915.5	919.7	919.7
7.5°	930.1	938.4	928.0	928.0	926.0	915.5	903.1	890.6	884.3	882.3	882.3
10°	940.5	932.2	928.0	917.6	894.7	888.5	878.1	855.2	849.0	849.0	840.6
12.5°	946.8	942.6	919.7	901.0	880.2	846.9	824.0	819.8	801.1	799.0	801.1
15°	971.7	950.9	921.8	886.4	846.9	817.8	786.5	753.2	738.7	740.8	742.8
17.5°	988.4	969.7	917.6	861.4	826.1	772.0	736.6	717.9	695.0	695.0	695.0
20°	1015.4	984.2	911.4	851.0	767.8	728.3	686.7	665.9	643.0	603.4	599.3
22.5°	1050.8	1011.3	909.3	819.8	744.9	680.4	620.1	555.6	522.3	499.4	493.1
25°	1094.5	1048.7	923.9	805.3	701.2	622.2	545.2	457.8	395.4	382.9	382.9
27.5°	1169.4	1096.6	942.6	790.7	676.3	557.7	437.0	360.0	305.9	289.2	287.1
30°	1242.2	1156.9	948.8	776.1	628.4	470.3	337.1	255.9	208.1	187.3	183.1
32.5°	1356.7	1240.2	1002.9	763.7	574.3	378.7	239.3	162.3	122.8	110.3	108.2
35°	1473.2	1352.5	1021.7	730.4	476.5	276.7	137.3	87.4	66.6	56.2	54.1
37.5°	1623.0	1494.0	1077.9	695.0	378.7	158.1	77.0	47.9	41.6	41.6	41.6
40°	1710.4	1556.4	1127.8	649.2	260.1	81.2	45.8	37.5	37.5	35.4	35.4
42.5°	1822.8	1633.4	1171.5	559.7	137.3	49.9	39.5	35.4	31.2	31.2	31.2
45°	1887.3	1683.4	1156.9	449.5	64.5	45.8	37.5	31.2	29.1	29.1	29.1
47.5°	1966.4	1745.8	1125.7	332.9	56.2	41.6	35.4	29.1	27.1	29.1	29.1
50°	2045.4	1808.2	1046.6	255.9	52.0	39.5	31.2	25.0	25.0	27.1	27.1
52.5°	2085.0	1851.9	953.0	176.9	52.0	37.5	29.1	25.0	22.9	22.9	22.9
55°	2130.7	1862.3	873.9	116.5	49.9	35.4	27.1	20.8	20.8	18.7	18.7
57.5°	2155.7	1835.3	815.7	97.8	47.9	33.3	25.0	18.7	16.6	14.6	14.6
60°	2145.3	1795.7	765.7	85.3	43.7	31.2	22.9	16.6	12.5	10.4	10.4
62.5°	2124.5	1762.4	674.2	74.9	41.6	27.1	18.7	14.6	10.4	8.3	8.3
65°	2101.6	1673.0	568.1	64.5	37.5	25.0	16.6	12.5	8.3	6.2	6.2
67.5°	1995.5	1554.4	416.2	58.3	35.4	22.9	14.6	10.4	8.3	6.2	6.2
70°	1856.1	1356.7	268.4	49.9	31.2	20.8	14.6	8.3	6.2	4.2	4.2
72.5°	1579.3	1107.0	135.3	43.7	29.1	20.8	12.5	8.3	6.2	4.2	2.1
75°	1290.1	826.1	87.4	37.5	27.1	20.8	12.5	8.3	4.2	2.1	2.1
77.5°	923.9	447.4	66.6	33.3	22.9	20.8	10.4	6.2	4.2	4.2	2.1
80°	384.9	162.3	54.1	27.1	20.8	18.7	10.4	6.2	4.2	4.2	2.1
82.5°	162.3	112.4	47.9	22.9	18.7	18.7	8.3	6.2	4.2	4.2	4.2
85°	126.9	93.6	41.6	20.8	16.6	20.8	8.3	6.2	6.2	6.2	6.2
87.5°	118.6	95.7	37.5	18.7	16.6	14.6	8.3	6.2	10.4	10.4	12.5
90°	133.2	99.9	29.1	16.6	14.6	12.5	6.2	4.2	4.2	0.0	0.0
92.5°	122.8	91.6	20.8	12.5	18.7	8.3	4.2	0.0	0.0	0.0	0.0
95°	106.1	77.0	12.5	8.3	20.8	10.4	2.1	0.0	0.0	0.0	0.0
97.5°	79.1	56.2	8.3	4.2	16.6	12.5	2.1	0.0	0.0	0.0	0.0
100°	56.2	35.4	6.2	4.2	10.4	12.5	2.1	0.0	0.0	0.0	0.0
102.5°	31.2	18.7	4.2	2.1	4.2	4.2	0.0	0.0	0.0	0.0	0.0
105°	14.6	6.2	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691428
 CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7050-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
115°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
122.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
125°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
127.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
130°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
132.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
135°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
137.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
140°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
142.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
145°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
147.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
150°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
157.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.1	2.1	2.1	2.1	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)