

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: P691412

Luminaire Tested: **CRTK2-C016-5TLD-U-T3-7030-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691412
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-T3-7030-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5583 lumens
Efficiency: N/A
Efficacy: 130.4 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

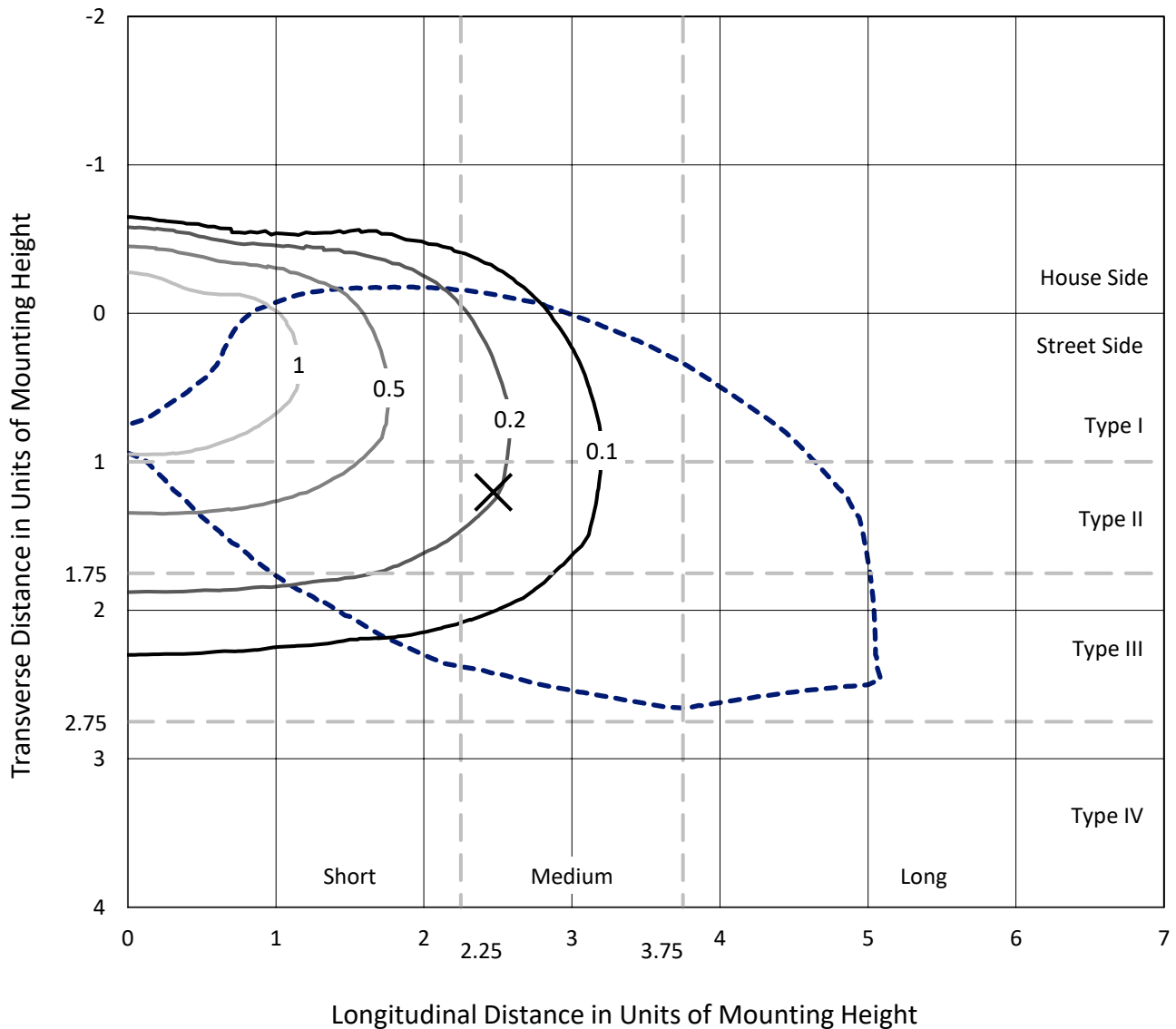


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

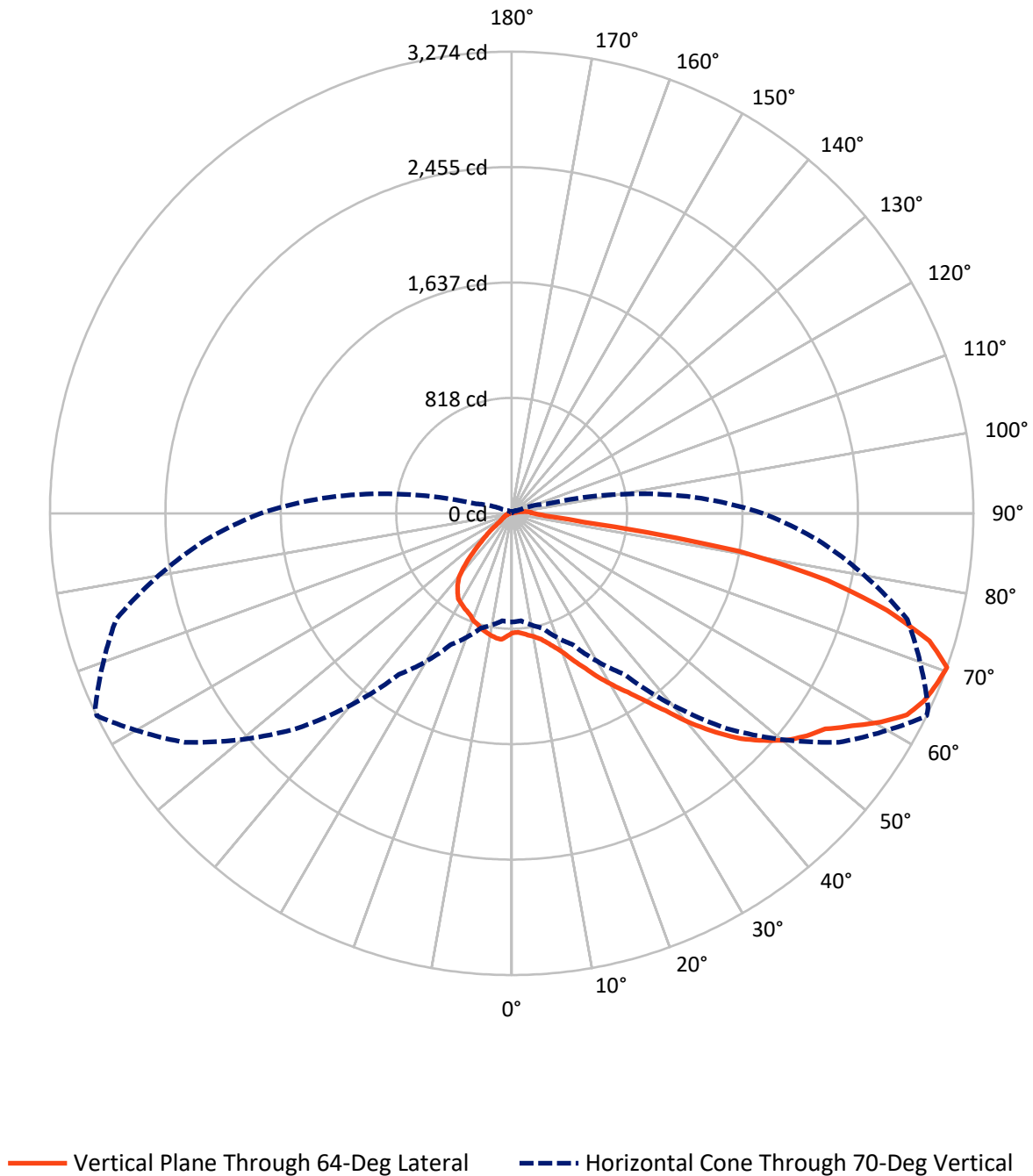


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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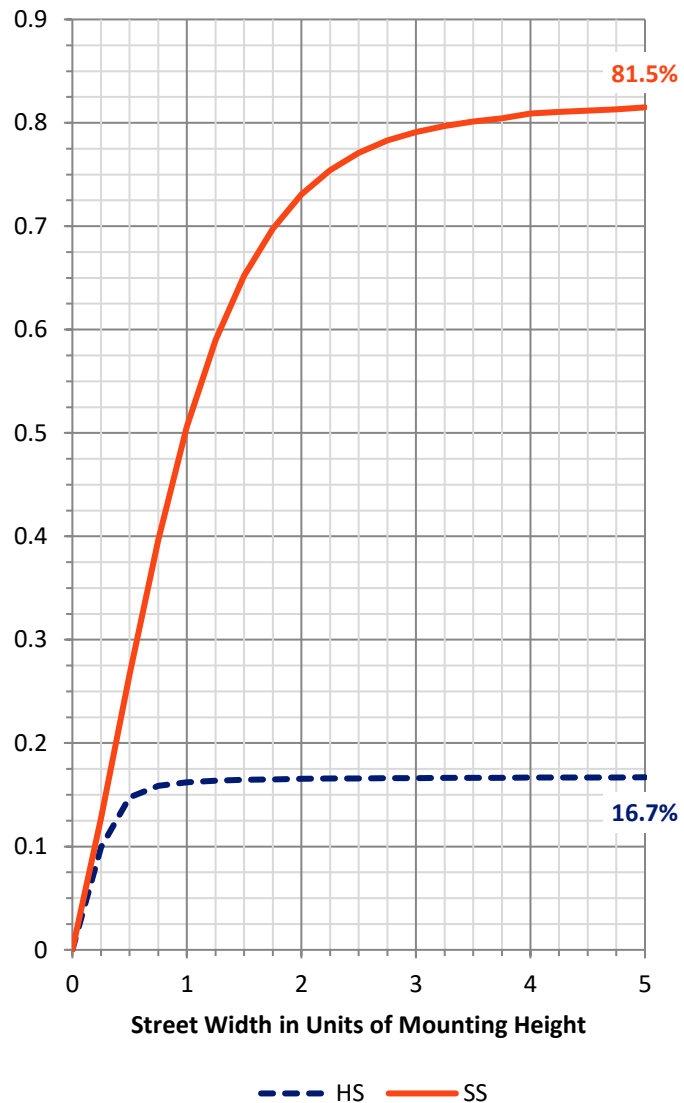
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	946.9	11.5	958.4
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	4577.6	47.1	4624.6
	% Fixture	82.0	0.8	82.8
Total	Lumens	5524.4	58.6	5583.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.9	1.5
10°-20°	257.3	4.6
20°-30°	444.8	8.0
30°-40°	660.0	11.8
40°-50°	906.7	16.2
50°-60°	1101.1	19.7
60°-70°	1169.8	21.0
70°-80°	772.8	13.8
80°-90°	128.0	2.3
90°-100°	47.7	0.9
100°-110°	8.1	0.1
110°-120°	0.6	0.0
120°-130°	0.6	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°	5524.4	99.0
0°-180°	5583.0	100.0

Coefficient of Utilization



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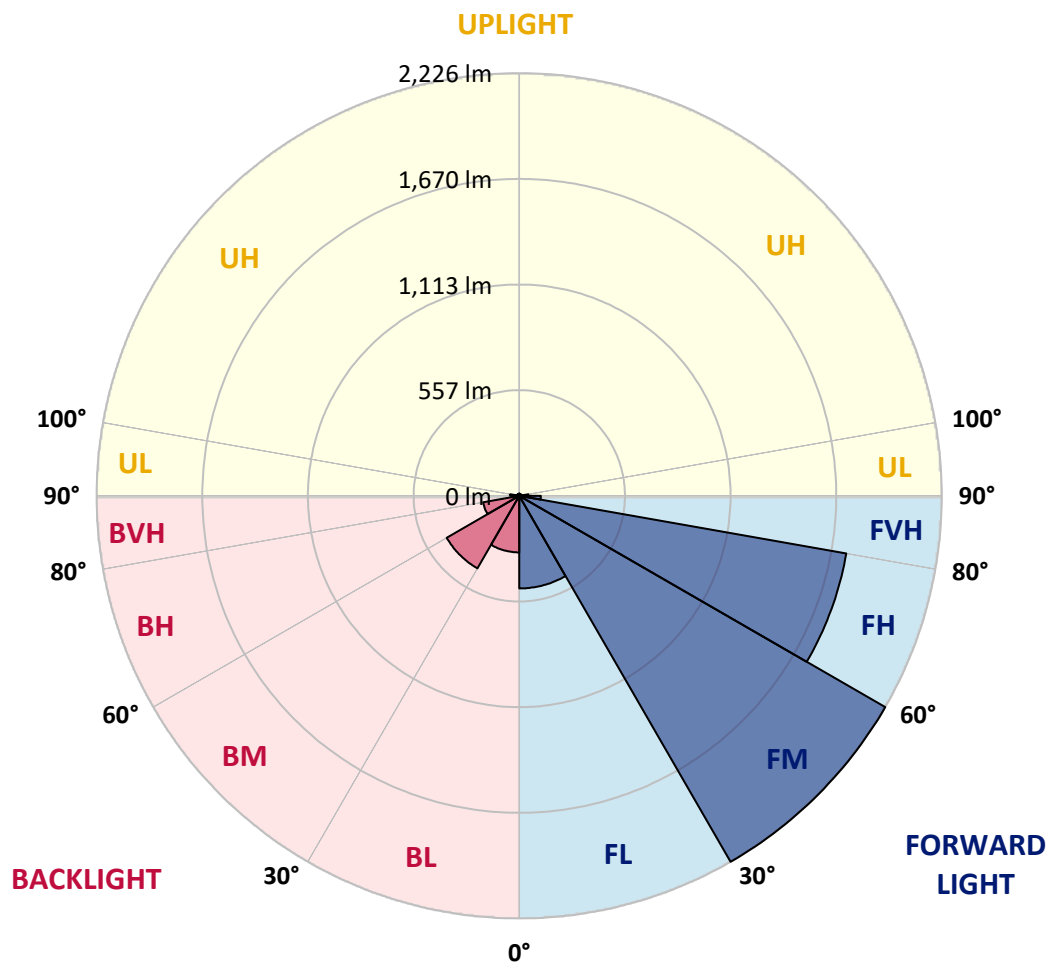
CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	488.0	8.7			
FM	(30°-60°)	2226.4	39.9			
FH	(60°-80°)	1749.5	31.3			G1/1800
FVH	(80°-90°)	113.6	2.0			G2/225
BL	(0°-30°)	298.0	5.3	B1/500		
BM	(30°-60°)	441.4	7.9	B1/1000		
BH	(60°-80°)	193.1	3.5	B1/500		G1/500
BVH	(80°-90°)	14.4	0.3			G1/100
UL	(90°-100°)	47.7	0.9		U2/50	
UH	(100°-180°)	10.9	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°	846.9	846.9	846.9	846.9	846.9	846.9	846.9	846.9	846.9	846.9	846.9
2.5°	852.9	850.9	852.9	850.9	848.9	846.9	844.9	844.9	842.9	844.9	846.9
5°	890.9	892.9	888.9	880.9	870.9	862.9	858.9	856.9	856.9	858.9	866.9
7.5°	918.8	916.8	914.8	912.8	904.8	886.9	876.9	872.9	872.9	868.9	882.9
10°	968.8	964.8	954.8	942.8	934.8	914.8	896.8	890.9	888.9	890.9	902.8
12.5°	1022.7	1018.7	1016.7	1004.7	976.7	958.8	928.8	914.8	914.8	914.8	920.8
15°	1100.6	1094.6	1074.6	1060.6	1036.7	1006.7	972.8	952.8	952.8	956.8	940.8
17.5°	1156.5	1152.5	1150.5	1126.6	1106.6	1060.6	1034.7	1000.7	1000.7	1008.7	974.7
20°	1214.4	1210.4	1212.4	1208.4	1178.5	1142.5	1096.6	1056.6	1056.6	1058.6	1010.7
22.5°	1292.3	1286.3	1286.3	1284.4	1268.4	1226.4	1172.5	1138.5	1132.5	1116.6	1056.6
25°	1370.2	1368.2	1364.2	1366.2	1362.3	1314.3	1256.4	1218.4	1218.4	1196.5	1118.6
27.5°	1448.1	1448.1	1446.1	1448.1	1446.1	1416.2	1358.3	1318.3	1320.3	1292.3	1186.5
30°	1504.1	1502.1	1516.1	1522.0	1526.0	1514.1	1458.1	1414.2	1418.2	1390.2	1266.4
32.5°	1556.0	1554.0	1578.0	1592.0	1596.0	1594.0	1548.0	1512.1	1522.0	1496.1	1362.3
35°	1603.9	1601.9	1633.9	1669.9	1685.8	1681.8	1651.9	1631.9	1641.9	1639.9	1492.1
37.5°	1639.9	1645.9	1687.8	1737.8	1765.7	1767.7	1753.7	1775.7	1787.7	1827.7	1653.9
40°	1681.8	1681.8	1721.8	1775.7	1825.7	1845.6	1857.6	1957.5	1969.5	1977.5	1761.7
42.5°	1637.9	1649.9	1735.8	1815.7	1879.6	1925.5	1991.4	2121.3	2147.2	2087.3	1893.6
45°	1603.9	1613.9	1701.8	1835.6	1927.5	2013.4	2137.3	2281.1	2301.0	2197.2	1963.5
47.5°	1568.0	1584.0	1673.9	1821.7	1973.5	2121.3	2259.1	2406.9	2424.9	2291.1	2061.4
50°	1526.0	1544.0	1639.9	1801.7	1997.4	2223.1	2369.0	2528.8	2530.7	2373.0	2115.3
52.5°	1486.1	1498.1	1597.9	1775.7	2017.4	2301.0	2472.8	2620.6	2608.6	2476.8	2173.2
55°	1418.2	1442.1	1548.0	1739.8	2027.4	2345.0	2544.7	2698.5	2706.5	2588.7	2251.1
57.5°	1356.3	1372.2	1484.1	1687.8	2019.4	2371.0	2614.6	2844.3	2860.3	2688.5	2307.0
60°	1278.4	1288.3	1396.2	1615.9	1967.5	2414.9	2770.4	3006.1	3024.1	2784.4	2329.0
62.5°	1180.5	1180.5	1288.3	1520.0	1901.6	2446.9	2878.3	3146.0	3146.0	2860.3	2337.0
65°	1054.6	1060.6	1156.5	1390.2	1791.7	2428.9	2910.3	3211.9	3217.9	2914.3	2333.0
67.5°	932.8	930.8	1014.7	1220.4	1625.9	2335.0	2886.3	3245.8	3269.8	2946.2	2281.1
70°	771.0	765.0	842.9	1028.7	1394.2	2157.2	2830.4	3273.8	3257.8	2904.3	2179.2
72.5°	593.2	587.2	645.2	787.0	1098.6	1851.6	2666.6	3098.0	3070.1	2676.6	1969.5
75°	421.5	413.5	459.4	553.3	723.1	1354.3	2287.1	2748.5	2716.5	2406.9	1643.9
77.5°	239.7	231.7	273.6	349.6	437.4	767.0	1731.8	2291.1	2335.0	1985.4	1256.4
80°	105.9	101.9	119.8	167.8	245.7	365.5	942.8	1637.9	1578.0	1354.3	715.1
82.5°	89.9	89.9	91.9	95.9	99.9	167.8	353.5	515.3	493.4	397.5	227.7
85°	77.9	75.9	79.9	83.9	85.9	109.9	205.7	247.7	243.7	219.7	157.8
87.5°	63.9	59.9	65.9	69.9	69.9	89.9	153.8	181.8	181.8	183.8	139.8
90°	55.9	55.9	51.9	51.9	53.9	63.9	117.8	149.8	153.8	189.8	161.8
92.5°	47.9	47.9	47.9	47.9	39.9	45.9	83.9	133.8	143.8	185.8	145.8
95°	45.9	43.9	45.9	41.9	39.9	41.9	63.9	117.8	129.8	163.8	127.8
97.5°	32.0	30.0	34.0	34.0	36.0	38.0	53.9	87.9	91.9	121.8	95.9
100°	22.0	20.0	20.0	20.0	26.0	26.0	43.9	53.9	55.9	77.9	63.9
102.5°	12.0	10.0	10.0	10.0	14.0	16.0	22.0	30.0	30.0	41.9	36.0
105°	4.0	4.0	6.0	6.0	6.0	8.0	8.0	10.0	10.0	12.0	16.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0



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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	2.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	846.9	846.9	846.9	846.9	846.9	846.9	846.9	846.9	846.9	846.9	846.9
2.5°	848.9	852.9	862.9	868.9	876.9	884.9	890.9	890.9	896.8	892.9	890.9
5°	874.9	876.9	888.9	896.8	894.9	886.9	880.9	876.9	878.9	882.9	882.9
7.5°	892.9	900.8	890.9	890.9	888.9	878.9	866.9	854.9	848.9	846.9	846.9
10°	902.8	894.9	890.9	880.9	858.9	852.9	842.9	820.9	815.0	815.0	807.0
12.5°	908.8	904.8	882.9	864.9	844.9	813.0	791.0	787.0	769.0	767.0	769.0
15°	932.8	912.8	884.9	850.9	813.0	785.0	755.0	723.1	709.1	711.1	713.1
17.5°	948.8	930.8	880.9	826.9	793.0	741.0	707.1	689.1	667.1	667.1	667.1
20°	974.7	944.8	874.9	817.0	737.1	699.1	659.2	639.2	617.2	579.3	575.3
22.5°	1008.7	970.8	872.9	787.0	715.1	653.2	595.2	533.3	501.4	479.4	473.4
25°	1050.7	1006.7	886.9	773.0	673.1	597.2	523.3	439.4	379.5	367.5	367.5
27.5°	1122.6	1052.6	904.8	759.0	649.2	535.3	419.5	345.6	293.6	277.6	275.6
30°	1192.5	1110.6	910.8	745.0	603.2	451.4	323.6	245.7	199.7	179.8	175.8
32.5°	1302.3	1190.5	962.8	733.1	551.3	363.5	229.7	155.8	117.8	105.9	103.9
35°	1414.2	1298.3	980.7	701.1	457.4	265.7	131.8	83.9	63.9	53.9	51.9
37.5°	1558.0	1434.2	1034.7	667.1	363.5	151.8	73.9	45.9	39.9	39.9	39.9
40°	1641.9	1494.1	1082.6	623.2	249.7	77.9	43.9	36.0	36.0	34.0	34.0
42.5°	1749.8	1568.0	1124.6	537.3	131.8	47.9	38.0	34.0	30.0	30.0	30.0
45°	1811.7	1615.9	1110.6	431.4	61.9	43.9	36.0	30.0	28.0	28.0	28.0
47.5°	1887.6	1675.8	1080.6	319.6	53.9	39.9	34.0	28.0	26.0	28.0	28.0
50°	1963.5	1735.8	1004.7	245.7	49.9	38.0	30.0	24.0	24.0	26.0	26.0
52.5°	2001.4	1777.7	914.8	169.8	49.9	36.0	28.0	24.0	22.0	22.0	22.0
55°	2045.4	1787.7	838.9	111.9	47.9	34.0	26.0	20.0	20.0	18.0	18.0
57.5°	2069.3	1761.7	783.0	93.9	45.9	32.0	24.0	18.0	16.0	14.0	14.0
60°	2059.4	1723.8	735.1	81.9	41.9	30.0	22.0	16.0	12.0	10.0	10.0
62.5°	2039.4	1691.8	647.2	71.9	39.9	26.0	18.0	14.0	10.0	8.0	8.0
65°	2017.4	1605.9	545.3	61.9	36.0	24.0	16.0	12.0	8.0	6.0	6.0
67.5°	1915.5	1492.1	399.5	55.9	34.0	22.0	14.0	10.0	8.0	6.0	6.0
70°	1781.7	1302.3	257.7	47.9	30.0	20.0	14.0	8.0	6.0	4.0	4.0
72.5°	1516.1	1062.6	129.8	41.9	28.0	20.0	12.0	8.0	6.0	4.0	2.0
75°	1238.4	793.0	83.9	36.0	26.0	20.0	12.0	8.0	4.0	2.0	2.0
77.5°	886.9	429.4	63.9	32.0	22.0	20.0	10.0	6.0	4.0	4.0	2.0
80°	369.5	155.8	51.9	26.0	20.0	18.0	10.0	6.0	4.0	4.0	2.0
82.5°	155.8	107.9	45.9	22.0	18.0	18.0	8.0	6.0	4.0	4.0	4.0
85°	121.8	89.9	39.9	20.0	16.0	20.0	8.0	6.0	6.0	6.0	6.0
87.5°	113.9	91.9	36.0	18.0	16.0	14.0	8.0	6.0	10.0	10.0	12.0
90°	127.8	95.9	28.0	16.0	14.0	12.0	6.0	4.0	4.0	0.0	0.0
92.5°	117.8	87.9	20.0	12.0	18.0	8.0	4.0	0.0	0.0	0.0	0.0
95°	101.9	73.9	12.0	8.0	20.0	10.0	2.0	0.0	0.0	0.0	0.0
97.5°	75.9	53.9	8.0	4.0	16.0	12.0	2.0	0.0	0.0	0.0	0.0
100°	53.9	34.0	6.0	4.0	10.0	12.0	2.0	0.0	0.0	0.0	0.0
102.5°	30.0	18.0	4.0	2.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0
105°	14.0	6.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691412

CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7030-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
115°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
125°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
130°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
135°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
140°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
145°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
150°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.0	2.0	2.0	2.0	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)