

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: P691480

Luminaire Tested: **CRTK2-C016-D-U-T2-7040-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691480
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-D-U-T2-7040-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5300.1 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G2

Input Watts (W): 41.6
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



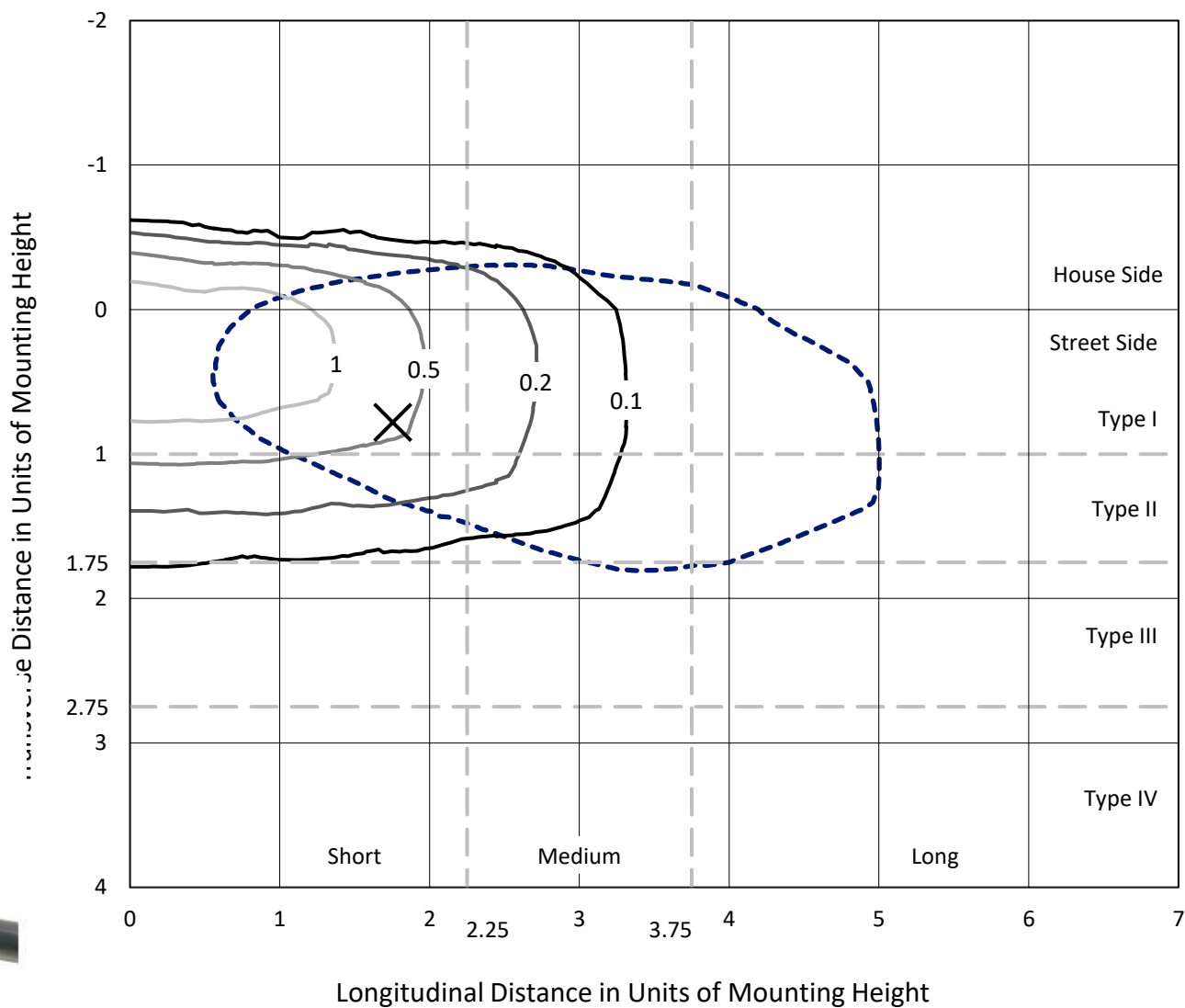
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CATALOG NUMBER: CRTK2-C016-D-U-T2-7040-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

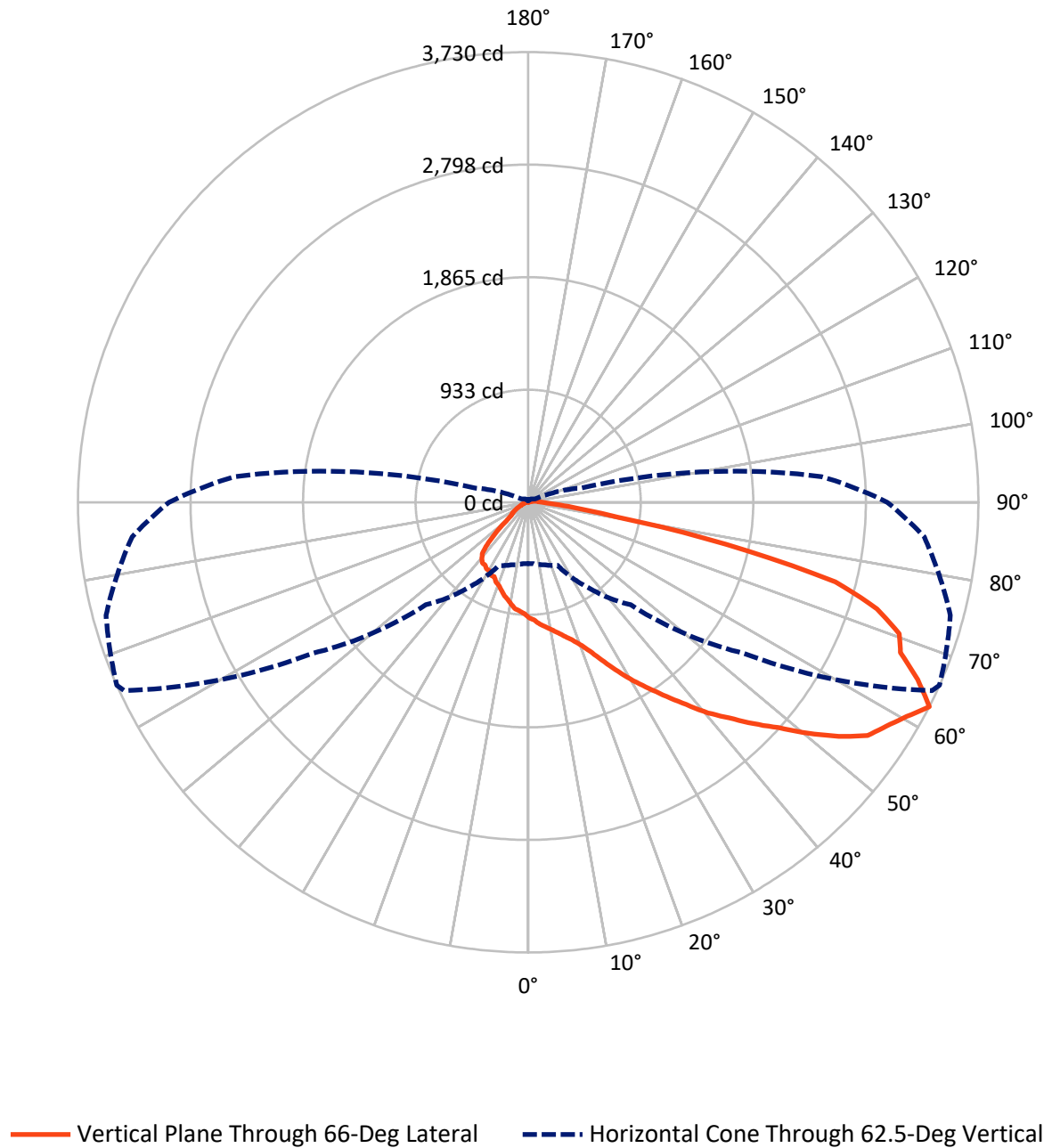


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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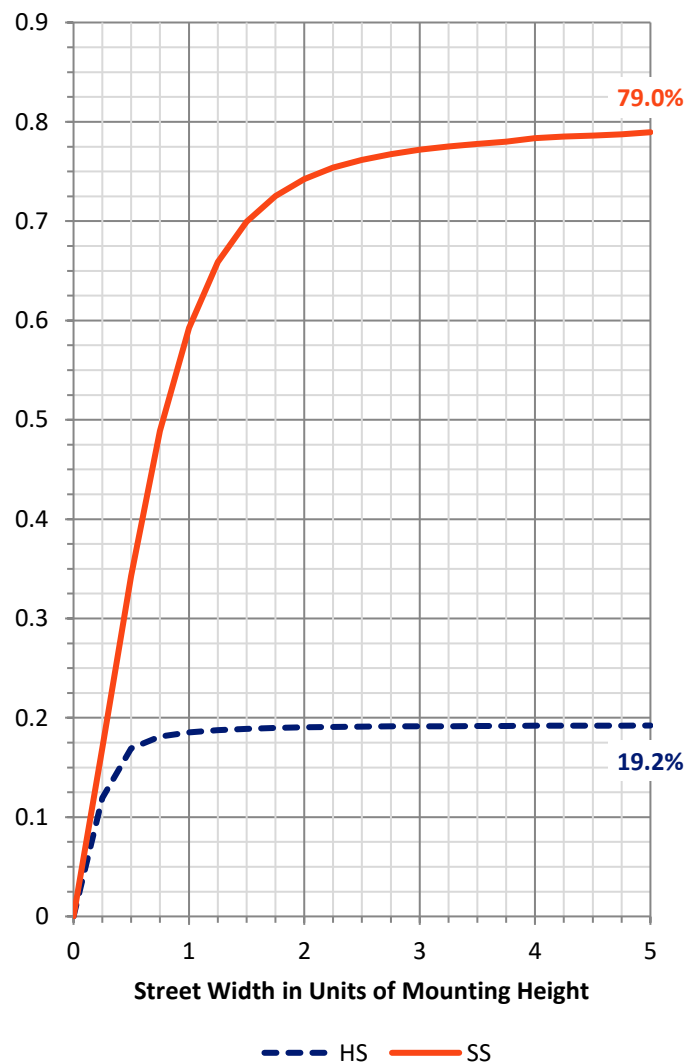
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1033.3	14.6	1048.0
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	4211.7	40.4	4252.1
	% Fixture	79.5	0.8	80.2
Total	Lumens	5245.0	55.0	5300.1
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.0	1.7
10°-20°	266.7	5.0
20°-30°	448.7	8.5
30°-40°	667.3	12.6
40°-50°	882.9	16.7
50°-60°	1028.0	19.4
60°-70°	1026.3	19.4
70°-80°	688.7	13.0
80°-90°	145.5	2.7
90°-100°	44.3	0.8
100°-110°	7.7	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°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	5245.0	99.0
0°-180°	5300.1	100.0

Coefficient of Utilization



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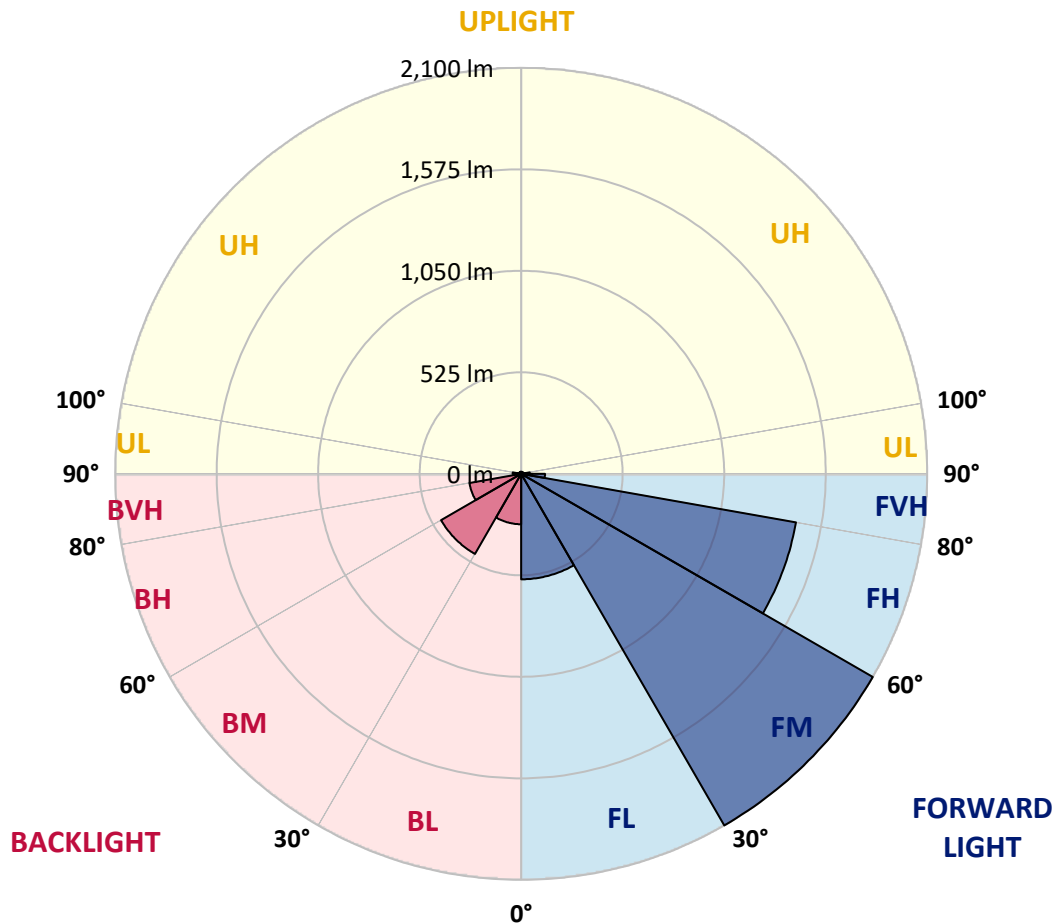
CATALOG NUMBER: CRTK2-C016-D-U-T2-7040-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	545.6	10.3			
FM	(30°-60°)	2099.7	39.6			
FH	(60°-80°)	1443.2	27.2			G1/1800
FVH	(80°-90°)	123.1	2.3			G2/225
BL	(0°-30°)	260.7	4.9	B1/500		
BM	(30°-60°)	478.5	9.0	B1/1000		
BH	(60°-80°)	271.7	5.1	B1/500		G1/500
BVH	(80°-90°)	22.4	0.4			G1/100
UL	(90°-100°)	44.3	0.8		U2/50	
UH	(100°-180°)	10.7	0.2		U2/50	

BUG Rating: B1-U2-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	957.5	957.5	957.5	957.5	957.5	957.5	957.5	957.5	957.5	957.5	957.5
2.5°	1022.2	1016.3	1018.3	1008.5	998.7	992.8	986.9	977.1	977.1	969.3	959.5
5°	1094.6	1096.6	1094.6	1082.9	1071.1	1053.5	1032.0	1014.3	1014.3	996.7	973.2
7.5°	1143.6	1141.6	1141.6	1127.9	1120.1	1110.3	1084.8	1045.7	1043.7	1020.2	990.8
10°	1163.2	1165.1	1172.9	1153.4	1145.5	1131.8	1118.1	1079.0	1075.0	1035.9	988.9
12.5°	1206.2	1208.2	1204.3	1188.6	1178.8	1169.0	1147.5	1114.2	1110.3	1067.2	1002.6
15°	1257.1	1257.1	1251.3	1235.6	1229.7	1216.0	1190.6	1159.2	1155.3	1106.4	1028.0
17.5°	1284.6	1288.5	1288.5	1266.9	1268.9	1263.0	1249.3	1208.2	1202.3	1157.3	1063.3
20°	1298.3	1300.2	1304.1	1304.1	1302.2	1300.2	1308.1	1270.9	1266.9	1214.1	1104.4
22.5°	1337.4	1341.4	1351.1	1345.3	1351.1	1359.0	1360.9	1359.0	1353.1	1296.3	1172.9
25°	1355.1	1366.8	1380.5	1398.1	1415.8	1427.5	1454.9	1468.6	1464.7	1409.9	1280.6
27.5°	1335.5	1347.2	1396.2	1429.5	1484.3	1517.6	1568.5	1590.0	1588.1	1543.0	1392.3
30°	1368.8	1372.7	1394.2	1441.2	1511.7	1603.7	1674.2	1707.5	1715.4	1674.2	1509.8
32.5°	1319.8	1333.5	1394.2	1482.3	1588.1	1686.0	1754.5	1828.9	1838.7	1821.1	1664.4
35°	1315.9	1325.7	1359.0	1454.9	1590.0	1772.1	1866.1	1968.0	1975.8	1981.7	1821.1
37.5°	1261.1	1274.8	1341.4	1462.8	1648.8	1828.9	1960.1	2107.0	2126.6	2150.1	1952.3
40°	1200.4	1210.2	1266.9	1396.2	1635.1	1895.5	2050.2	2275.4	2295.0	2324.4	2126.6
42.5°	1110.3	1131.8	1227.8	1366.8	1627.2	1915.1	2140.3	2424.2	2441.8	2483.0	2273.4
45°	1030.0	1039.8	1114.2	1266.9	1564.6	1950.3	2216.7	2598.5	2616.1	2635.7	2389.0
47.5°	967.3	979.1	1049.6	1186.7	1501.9	1942.5	2287.1	2770.8	2790.4	2835.4	2531.9
50°	767.6	797.0	975.2	1108.3	1398.1	1926.8	2347.9	2962.7	3007.8	3025.4	2680.7
52.5°	659.9	669.7	761.7	1037.8	1296.3	1870.1	2400.7	3172.2	3223.2	3189.9	2880.5
55°	614.9	620.7	665.8	898.8	1204.3	1754.5	2443.8	3373.9	3411.1	3305.4	3027.3
57.5°	581.6	591.4	611.0	728.4	1096.6	1560.7	2445.8	3485.6	3499.3	3401.4	3097.8
60°	538.5	542.4	583.5	634.4	975.2	1359.0	2379.2	3542.3	3603.0	3513.0	3240.8
62.5°	507.2	511.1	536.5	577.7	859.6	1200.4	2183.4	3693.1	3730.3	3620.7	3293.7
65°	468.0	473.9	495.4	536.5	779.4	1104.4	2085.5	3654.0	3546.3	3595.2	3354.4
67.5°	426.9	430.8	454.3	485.6	663.8	1012.4	1842.6	3405.3	3326.9	3467.9	3191.8
70°	383.8	387.7	409.3	430.8	546.3	898.8	1535.2	3193.8	3260.4	3268.2	3039.1
72.5°	338.8	342.7	362.3	379.9	452.3	755.9	1219.9	2982.3	3023.4	2904.0	2684.7
75°	293.7	295.7	311.3	329.0	376.0	609.0	873.3	2473.2	2629.8	2774.7	2316.5
77.5°	236.9	240.9	256.5	262.4	301.6	491.5	565.9	1470.6	1676.2	2428.1	2079.6
80°	174.3	176.2	191.9	189.9	225.2	358.3	356.4	699.1	751.9	1500.0	1527.4
82.5°	115.5	119.4	133.2	129.2	152.7	217.4	223.2	376.0	401.4	581.6	669.7
85°	92.0	94.0	101.8	94.0	101.8	109.7	123.4	227.1	231.1	344.6	342.7
87.5°	74.4	76.4	84.2	78.3	80.3	84.2	97.9	144.9	148.8	217.4	225.2
90°	58.7	60.7	70.5	64.6	64.6	70.5	82.2	107.7	113.6	170.4	184.1
92.5°	39.2	39.2	45.0	43.1	43.1	50.9	72.5	80.3	86.2	158.6	166.4
95°	29.4	29.4	31.3	31.3	31.3	37.2	54.8	76.4	84.2	154.7	150.8
97.5°	19.6	19.6	21.5	21.5	21.5	23.5	31.3	62.7	70.5	125.3	123.4
100°	13.7	13.7	13.7	11.7	11.7	11.7	17.6	41.1	47.0	80.3	80.3
102.5°	9.8	7.8	7.8	7.8	5.9	5.9	7.8	19.6	21.5	43.1	41.1
105°	2.0	2.0	3.9	3.9	3.9	2.0	2.0	7.8	7.8	17.6	17.6
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	0.0

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CATALOG NUMBER: CRTK2-C016-D-U-T2-7040-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	2.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	2.0
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	2.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	957.5	957.5	957.5	957.5	957.5	957.5	957.5	957.5	957.5	957.5	957.5
2.5°	953.6	947.8	934.0	922.3	912.5	902.7	887.1	881.2	877.3	883.1	883.1
5°	959.5	943.8	920.3	900.8	883.1	861.6	838.1	824.4	812.6	818.5	818.5
7.5°	969.3	947.8	918.4	885.1	840.1	802.9	773.5	755.9	746.1	751.9	755.9
10°	963.4	939.9	900.8	849.8	797.0	757.8	720.6	693.2	683.4	679.5	683.4
12.5°	969.3	941.9	875.3	814.6	763.7	701.0	656.0	626.6	614.9	614.9	614.9
15°	988.9	947.8	859.6	789.1	710.8	650.1	603.1	571.8	567.9	554.2	554.2
17.5°	1016.3	953.6	853.8	750.0	663.8	601.2	546.3	515.0	505.2	507.2	507.2
20°	1043.7	965.4	842.0	716.7	620.7	546.3	489.5	460.2	436.7	428.8	432.8
22.5°	1090.7	998.7	832.2	699.1	571.8	501.3	438.6	389.7	350.5	338.8	332.9
25°	1159.2	1051.5	845.9	657.9	542.4	450.4	376.0	307.4	260.4	248.7	246.7
27.5°	1284.6	1133.8	861.6	657.9	495.4	405.3	299.6	227.1	189.9	178.2	182.1
30°	1402.1	1245.4	906.6	622.7	475.8	325.1	223.2	170.4	137.1	123.4	127.3
32.5°	1500.0	1351.1	969.3	614.9	419.0	240.9	162.5	119.4	96.0	88.1	90.1
35°	1641.0	1441.2	1018.3	587.5	344.6	176.2	113.6	84.2	74.4	70.5	70.5
37.5°	1776.1	1550.9	1067.2	581.6	254.6	129.2	76.4	68.5	66.6	60.7	60.7
40°	1905.3	1662.5	1088.7	548.3	180.2	84.2	64.6	62.7	60.7	54.8	54.8
42.5°	2063.9	1770.2	1108.3	505.2	125.3	62.7	56.8	58.7	56.8	50.9	49.0
45°	2185.3	1842.6	1114.2	395.6	80.3	58.7	52.9	54.8	52.9	47.0	47.0
47.5°	2287.1	1940.6	1090.7	270.2	66.6	54.8	49.0	50.9	49.0	45.0	43.1
50°	2390.9	2030.6	1069.2	144.9	62.7	52.9	47.0	43.1	45.0	41.1	39.2
52.5°	2531.9	2097.2	1012.4	88.1	58.7	49.0	43.1	39.2	39.2	35.2	37.2
55°	2725.8	2261.7	906.6	82.2	56.8	47.0	41.1	35.2	35.2	31.3	31.3
57.5°	2811.9	2326.3	736.3	74.4	54.8	47.0	37.2	31.3	27.4	25.5	23.5
60°	2917.7	2422.3	579.6	68.5	50.9	45.0	33.3	27.4	21.5	19.6	19.6
62.5°	2976.4	2441.8	452.3	62.7	49.0	39.2	29.4	21.5	17.6	13.7	13.7
65°	3005.8	2428.1	301.6	56.8	45.0	37.2	25.5	17.6	11.7	9.8	9.8
67.5°	2894.2	2355.7	174.3	52.9	43.1	33.3	21.5	13.7	9.8	7.8	5.9
70°	2704.2	2144.2	109.7	47.0	41.1	29.4	19.6	11.7	7.8	5.9	3.9
72.5°	2481.0	1750.6	80.3	43.1	39.2	25.5	15.7	9.8	5.9	3.9	3.9
75°	2265.6	1525.4	68.5	37.2	33.3	21.5	13.7	7.8	5.9	3.9	2.0
77.5°	1621.4	1039.8	60.7	33.3	29.4	17.6	9.8	7.8	3.9	2.0	2.0
80°	1151.4	611.0	54.8	27.4	23.5	13.7	9.8	5.9	3.9	2.0	2.0
82.5°	552.2	317.2	52.9	23.5	17.6	11.7	7.8	5.9	3.9	2.0	2.0
85°	250.6	135.1	39.2	21.5	15.7	11.7	7.8	5.9	3.9	3.9	2.0
87.5°	152.7	70.5	31.3	17.6	11.7	9.8	5.9	3.9	3.9	3.9	3.9
90°	142.9	92.0	23.5	13.7	9.8	7.8	5.9	2.0	0.0	0.0	0.0
92.5°	137.1	105.7	17.6	9.8	5.9	5.9	2.0	0.0	0.0	0.0	0.0
95°	129.2	99.9	19.6	5.9	9.8	3.9	2.0	0.0	0.0	0.0	0.0
97.5°	101.8	78.3	21.5	5.9	49.0	3.9	2.0	0.0	0.0	0.0	0.0
100°	64.6	49.0	15.7	5.9	58.7	3.9	0.0	0.0	0.0	0.0	0.0
102.5°	37.2	27.4	7.8	5.9	17.6	2.0	0.0	0.0	0.0	0.0	0.0
105°	15.7	13.7	3.9	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.9	3.9	2.0	2.0	2.0	2.0	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: P691480

CATALOG NUMBER: CRTK2-C016-D-U-T2-7040-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	2.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.0	2.0	2.0	2.0	2.0	2.0	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	2.0	0.0	0.0	0.0	0.0
125°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
127.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
130°	2.0	2.0	2.0	3.9	2.0	2.0	2.0	0.0	0.0	0.0	0.0
132.5°	2.0	2.0	2.0	3.9	2.0	2.0	2.0	0.0	0.0	0.0	0.0
135°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
140°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
145°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
150°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
152.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
155°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
157.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
160°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
162.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
165°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
167.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
170°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.0	2.0	2.0	2.0	2.0	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)