

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: P691496

Luminaire Tested: **CRTK2-C016-D-U-T2-8027-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691496
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-T2-8027-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4654 lumens
Efficiency: N/A
Efficacy: 111.9 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

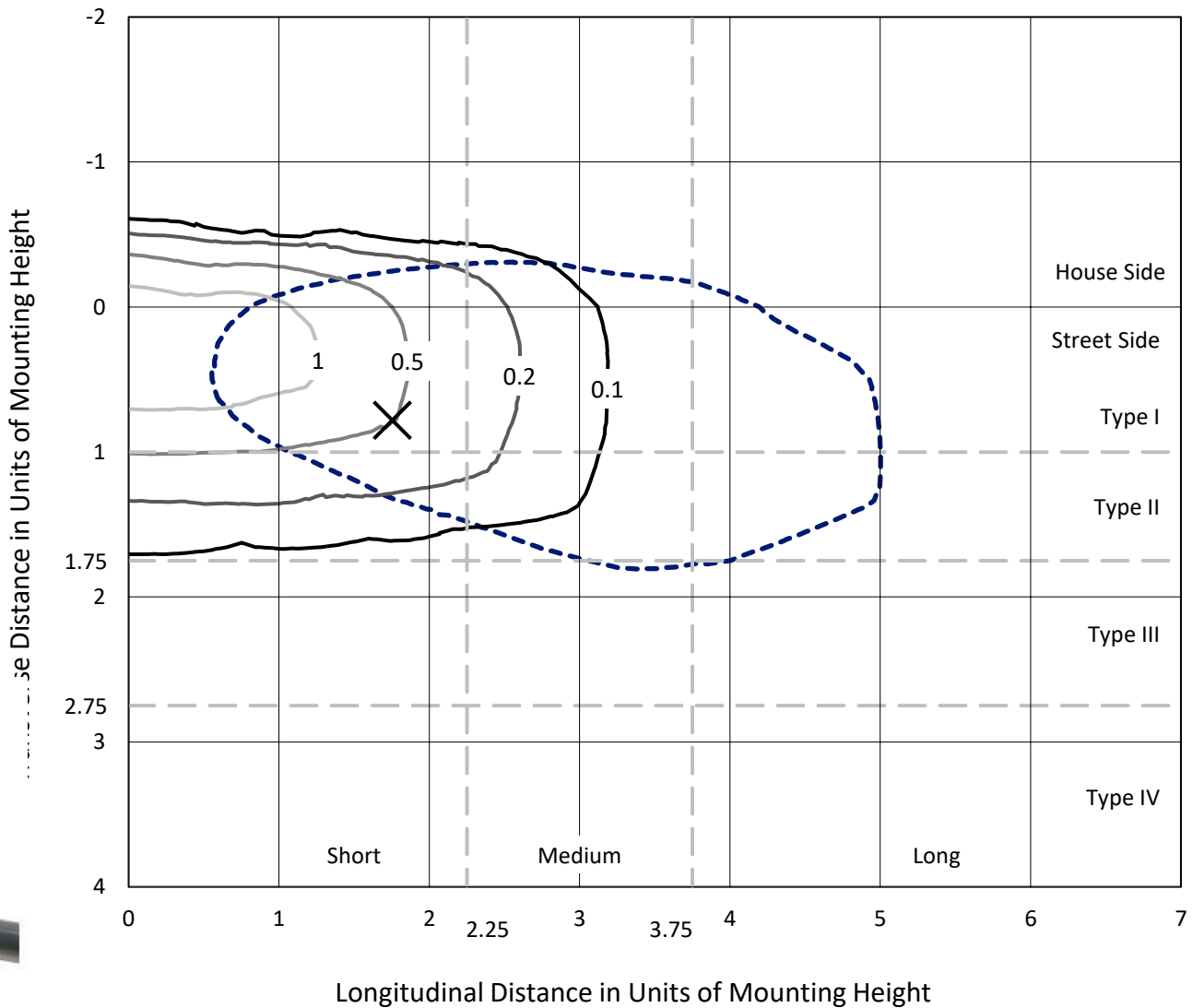


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CATALOG NUMBER: CRTK2-C016-D-U-T2-8027-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

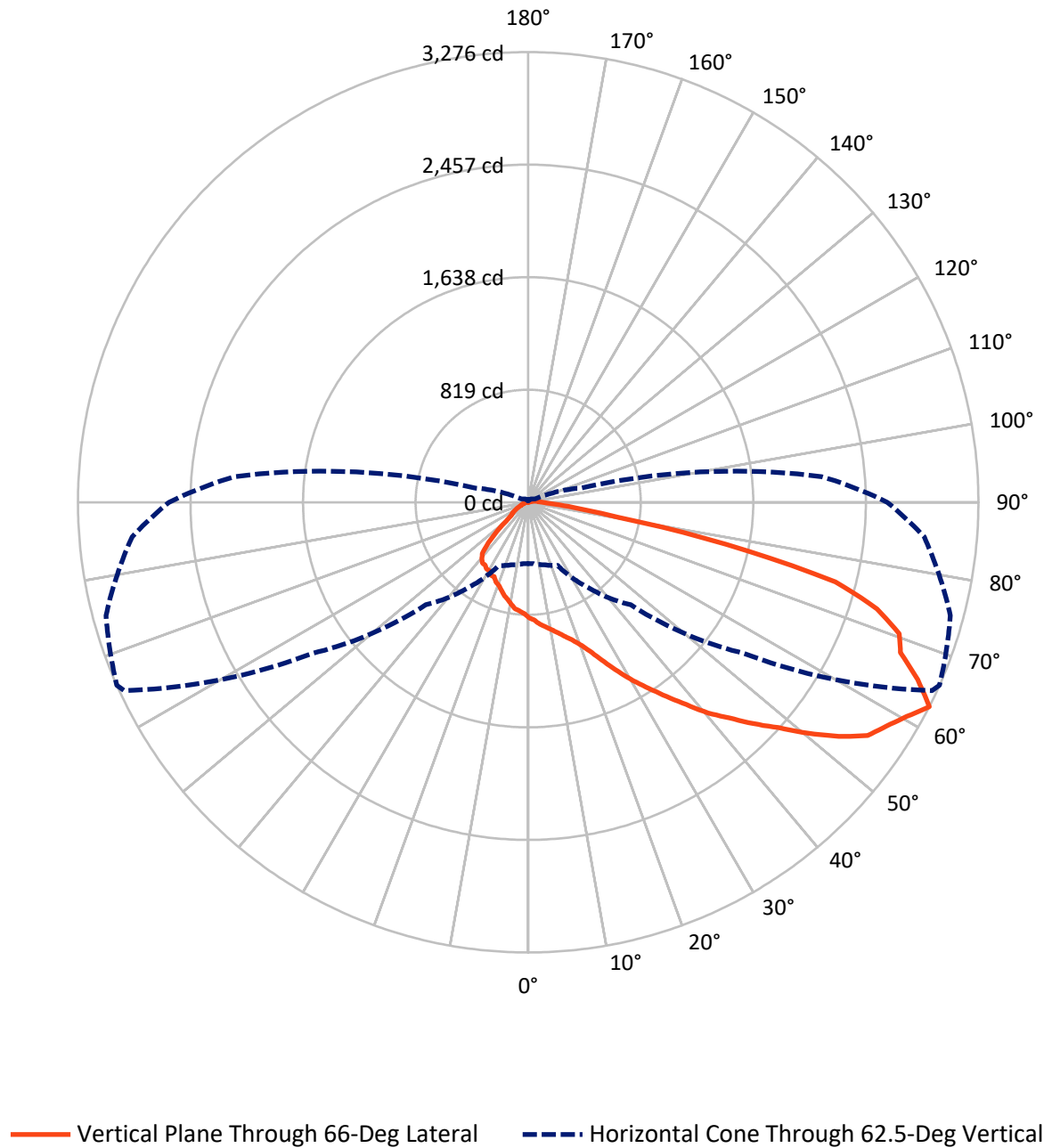


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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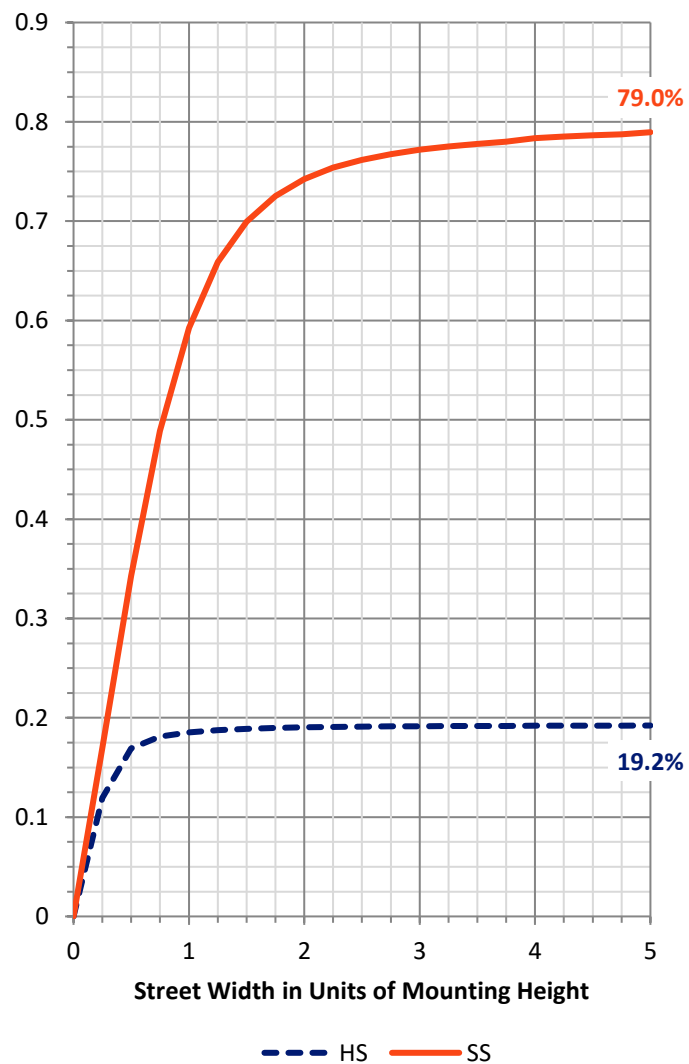
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	907.4	12.8	920.2
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	3698.3	35.5	3733.8
	% Fixture	79.5	0.8	80.2
Total	Lumens	4605.7	48.2	4654.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.9	1.7
10°-20°	234.2	5.0
20°-30°	394.0	8.5
30°-40°	586.0	12.6
40°-50°	775.3	16.7
50°-60°	902.7	19.4
60°-70°	901.2	19.4
70°-80°	604.7	13.0
80°-90°	127.8	2.7
90°-100°	38.9	0.8
100°-110°	6.8	0.1
110°-120°	0.5	0.0
120°-130°	0.6	0.0
130°-140°	0.5	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-90°	4605.7	99.0
0°-180°	4654.0	100.0

Coefficient of Utilization



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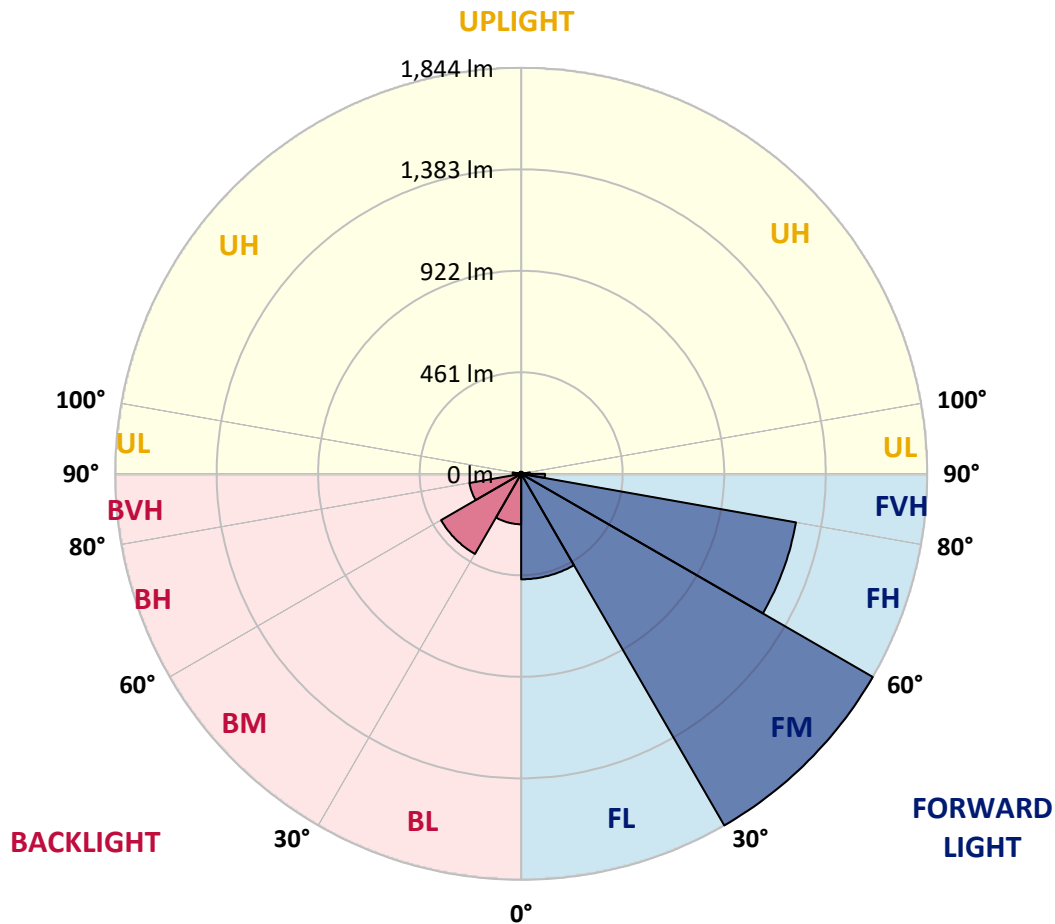
CATALOG NUMBER: CRTK2-C016-D-U-T2-8027-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	479.1	10.3			
FM	(30°-60°)	1843.8	39.6			
FH	(60°-80°)	1267.3	27.2			G1/1800
FVH	(80°-90°)	108.1	2.3			G2/225
BL	(0°-30°)	228.9	4.9	B1/500		
BM	(30°-60°)	420.2	9.0	B1/1000		
BH	(60°-80°)	238.6	5.1	B1/500		G1/500
BVH	(80°-90°)	19.7	0.4			G1/100
UL	(90°-100°)	38.9	0.8		U2/50	
UH	(100°-180°)	9.3	0.2		U1/10	

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°	840.8	840.8	840.8	840.8	840.8	840.8	840.8	840.8	840.8	840.8	840.8
2.5°	897.6	892.4	894.1	885.5	876.9	871.8	866.6	858.0	858.0	851.2	842.6
5°	961.2	962.9	961.2	950.9	940.6	925.1	906.2	890.7	890.7	875.2	854.6
7.5°	1004.2	1002.5	1002.5	990.4	983.6	975.0	952.6	918.2	916.5	895.9	870.1
10°	1021.4	1023.1	1030.0	1012.8	1005.9	993.9	981.8	947.4	944.0	909.6	868.3
12.5°	1059.2	1060.9	1057.5	1043.7	1035.1	1026.5	1007.6	978.4	975.0	937.1	880.4
15°	1103.9	1103.9	1098.8	1085.0	1079.8	1067.8	1045.5	1017.9	1014.5	971.5	902.7
17.5°	1128.0	1131.4	1131.4	1112.5	1114.2	1109.1	1097.0	1060.9	1055.8	1016.2	933.7
20°	1140.0	1141.7	1145.2	1145.2	1143.5	1141.7	1148.6	1116.0	1112.5	1066.1	969.8
22.5°	1174.4	1177.9	1186.5	1181.3	1186.5	1193.3	1195.1	1193.3	1188.2	1138.3	1030.0
25°	1189.9	1200.2	1212.2	1227.7	1243.2	1253.5	1277.6	1289.6	1286.2	1238.0	1124.6
27.5°	1172.7	1183.0	1226.0	1255.2	1303.4	1332.6	1377.3	1396.2	1394.5	1355.0	1222.6
30°	1201.9	1205.4	1224.3	1265.6	1327.5	1408.3	1470.2	1499.4	1506.3	1470.2	1325.7
32.5°	1158.9	1171.0	1224.3	1301.7	1394.5	1480.5	1540.7	1606.0	1614.6	1599.1	1461.6
35°	1155.5	1164.1	1193.3	1277.6	1396.2	1556.1	1638.7	1728.1	1735.0	1740.1	1599.1
37.5°	1107.4	1119.4	1177.9	1284.5	1447.8	1606.0	1721.2	1850.2	1867.4	1888.0	1714.3
40°	1054.1	1062.7	1112.5	1226.0	1435.8	1664.5	1800.3	1998.1	2015.3	2041.0	1867.4
42.5°	975.0	993.9	1078.1	1200.2	1428.9	1681.7	1879.4	2128.7	2144.2	2180.3	1996.3
45°	904.5	913.1	978.4	1112.5	1373.9	1712.6	1946.5	2281.8	2297.3	2314.4	2097.8
47.5°	849.4	859.7	921.7	1042.0	1318.9	1705.7	2008.4	2433.1	2450.3	2489.8	2223.3
50°	674.0	699.8	856.3	973.2	1227.7	1692.0	2061.7	2601.6	2641.2	2656.6	2354.0
52.5°	579.5	588.1	668.9	911.3	1138.3	1642.1	2108.1	2785.6	2830.3	2801.1	2529.4
55°	539.9	545.1	584.6	789.3	1057.5	1540.7	2145.9	2962.7	2995.4	2902.5	2658.3
57.5°	510.7	519.3	536.5	639.7	962.9	1370.4	2147.7	3060.7	3072.7	2986.8	2720.2
60°	472.9	476.3	512.4	557.1	856.3	1193.3	2089.2	3110.6	3163.9	3084.8	2845.8
62.5°	445.4	448.8	471.1	507.3	754.9	1054.1	1917.2	3243.0	3275.6	3179.4	2892.2
65°	411.0	416.1	435.0	471.1	684.4	969.8	1831.3	3208.6	3114.0	3157.0	2945.5
67.5°	374.9	378.3	398.9	426.4	582.9	889.0	1618.0	2990.2	2921.4	3045.2	2802.8
70°	337.0	340.5	359.4	378.3	479.7	789.3	1348.1	2804.5	2863.0	2869.8	2668.7
72.5°	297.5	300.9	318.1	333.6	397.2	663.7	1071.2	2618.8	2654.9	2550.0	2357.4
75°	257.9	259.6	273.4	288.9	330.1	534.8	766.9	2171.7	2309.3	2436.5	2034.2
77.5°	208.1	211.5	225.3	230.4	264.8	431.6	496.9	1291.3	1471.9	2132.2	1826.1
80°	153.0	154.8	168.5	166.8	197.7	314.7	312.9	613.9	660.3	1317.1	1341.2
82.5°	101.5	104.9	116.9	113.5	134.1	190.9	196.0	330.1	352.5	510.7	588.1
85°	80.8	82.5	89.4	82.5	89.4	96.3	108.3	199.5	202.9	302.6	300.9
87.5°	65.3	67.1	73.9	68.8	70.5	73.9	86.0	127.2	130.7	190.9	197.7
90°	51.6	53.3	61.9	56.7	56.7	61.9	72.2	94.6	99.7	149.6	161.6
92.5°	34.4	34.4	39.5	37.8	37.8	44.7	63.6	70.5	75.7	139.3	146.2
95°	25.8	25.8	27.5	27.5	27.5	32.7	48.1	67.1	73.9	135.8	132.4
97.5°	17.2	17.2	18.9	18.9	18.9	20.6	27.5	55.0	61.9	110.0	108.3
100°	12.0	12.0	12.0	10.3	10.3	10.3	15.5	36.1	41.3	70.5	70.5
102.5°	8.6	6.9	6.9	6.9	5.2	5.2	6.9	17.2	18.9	37.8	36.1
105°	1.7	1.7	3.4	3.4	3.4	1.7	1.7	6.9	6.9	15.5	15.5
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
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-T2-8027-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	1.7
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
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	1.7
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°	840.8	840.8	840.8	840.8	840.8	840.8	840.8	840.8	840.8	840.8	840.8
2.5°	837.4	832.2	820.2	809.9	801.3	792.7	778.9	773.8	770.3	775.5	775.5
5°	842.6	828.8	808.2	791.0	775.5	756.6	735.9	723.9	713.6	718.8	718.8
7.5°	851.2	832.2	806.4	777.2	737.7	705.0	679.2	663.7	655.1	660.3	663.7
10°	846.0	825.4	791.0	746.3	699.8	665.4	632.8	608.7	600.1	596.7	600.1
12.5°	851.2	827.1	768.6	715.3	670.6	615.6	576.0	550.2	539.9	539.9	539.9
15°	868.3	832.2	754.9	693.0	624.2	570.9	529.6	502.1	498.7	486.6	486.6
17.5°	892.4	837.4	749.7	658.6	582.9	527.9	479.7	452.2	443.6	445.4	445.4
20°	916.5	847.7	739.4	629.3	545.1	479.7	429.9	404.1	383.4	376.6	380.0
22.5°	957.8	876.9	730.8	613.9	502.1	440.2	385.2	342.2	307.8	297.5	292.3
25°	1017.9	923.4	742.8	577.8	476.3	395.5	330.1	270.0	228.7	218.4	216.7
27.5°	1128.0	995.6	756.6	577.8	435.0	355.9	263.1	199.5	166.8	156.5	159.9
30°	1231.2	1093.6	796.1	546.8	417.8	285.4	196.0	149.6	120.4	108.3	111.8
32.5°	1317.1	1186.5	851.2	539.9	368.0	211.5	142.7	104.9	84.3	77.4	79.1
35°	1440.9	1265.6	894.1	515.8	302.6	154.8	99.7	73.9	65.3	61.9	61.9
37.5°	1559.6	1361.8	937.1	510.7	223.5	113.5	67.1	60.2	58.5	53.3	53.3
40°	1673.1	1459.9	956.0	481.5	158.2	73.9	56.7	55.0	53.3	48.1	48.1
42.5°	1812.4	1554.4	973.2	443.6	110.0	55.0	49.9	51.6	49.9	44.7	43.0
45°	1919.0	1618.0	978.4	347.3	70.5	51.6	46.4	48.1	46.4	41.3	41.3
47.5°	2008.4	1704.0	957.8	237.3	58.5	48.1	43.0	44.7	43.0	39.5	37.8
50°	2099.5	1783.1	938.8	127.2	55.0	46.4	41.3	37.8	39.5	36.1	34.4
52.5°	2223.3	1841.6	889.0	77.4	51.6	43.0	37.8	34.4	34.4	31.0	32.7
55°	2393.5	1986.0	796.1	72.2	49.9	41.3	36.1	31.0	31.0	27.5	27.5
57.5°	2469.2	2042.8	646.5	65.3	48.1	41.3	32.7	27.5	24.1	22.4	20.6
60°	2562.1	2127.0	509.0	60.2	44.7	39.5	29.2	24.1	18.9	17.2	17.2
62.5°	2613.6	2144.2	397.2	55.0	43.0	34.4	25.8	18.9	15.5	12.0	12.0
65°	2639.4	2132.2	264.8	49.9	39.5	32.7	22.4	15.5	10.3	8.6	8.6
67.5°	2541.4	2068.6	153.0	46.4	37.8	29.2	18.9	12.0	8.6	6.9	5.2
70°	2374.6	1882.9	96.3	41.3	36.1	25.8	17.2	10.3	6.9	5.2	3.4
72.5°	2178.6	1537.2	70.5	37.8	34.4	22.4	13.8	8.6	5.2	3.4	3.4
75°	1989.5	1339.5	60.2	32.7	29.2	18.9	12.0	6.9	5.2	3.4	1.7
77.5°	1423.7	913.1	53.3	29.2	25.8	15.5	8.6	6.9	3.4	1.7	1.7
80°	1011.1	536.5	48.1	24.1	20.6	12.0	8.6	5.2	3.4	1.7	1.7
82.5°	484.9	278.6	46.4	20.6	15.5	10.3	6.9	5.2	3.4	1.7	1.7
85°	220.1	118.6	34.4	18.9	13.8	10.3	6.9	5.2	3.4	3.4	1.7
87.5°	134.1	61.9	27.5	15.5	10.3	8.6	5.2	3.4	3.4	3.4	3.4
90°	125.5	80.8	20.6	12.0	8.6	6.9	5.2	1.7	0.0	0.0	0.0
92.5°	120.4	92.9	15.5	8.6	5.2	5.2	1.7	0.0	0.0	0.0	0.0
95°	113.5	87.7	17.2	5.2	8.6	3.4	1.7	0.0	0.0	0.0	0.0
97.5°	89.4	68.8	18.9	5.2	43.0	3.4	1.7	0.0	0.0	0.0	0.0
100°	56.7	43.0	13.8	5.2	51.6	3.4	0.0	0.0	0.0	0.0	0.0
102.5°	32.7	24.1	6.9	5.2	15.5	1.7	0.0	0.0	0.0	0.0	0.0
105°	13.8	12.0	3.4	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
107.5°	3.4	3.4	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
110°	1.7	1.7	1.7	1.7	1.7	1.7	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°
112.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
115°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
117.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
120°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
122.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
125°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
127.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
130°	1.7	1.7	1.7	3.4	1.7	1.7	1.7	0.0	0.0	0.0	0.0
132.5°	1.7	1.7	1.7	3.4	1.7	1.7	1.7	0.0	0.0	0.0	0.0
135°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
137.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
140°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
142.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
145°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
147.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
150°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
152.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
155°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
157.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
160°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
162.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
165°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
167.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
170°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
172.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.7	1.7	1.7	1.7	1.7	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)