

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: P691404

Luminaire Tested: **CRTK2-C016-5TLD-U-T2-8027-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691404
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-C016-5TLD-U-T2-8027-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 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: 4890 lumens
Efficiency: N/A
Efficacy: 114.3 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): 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



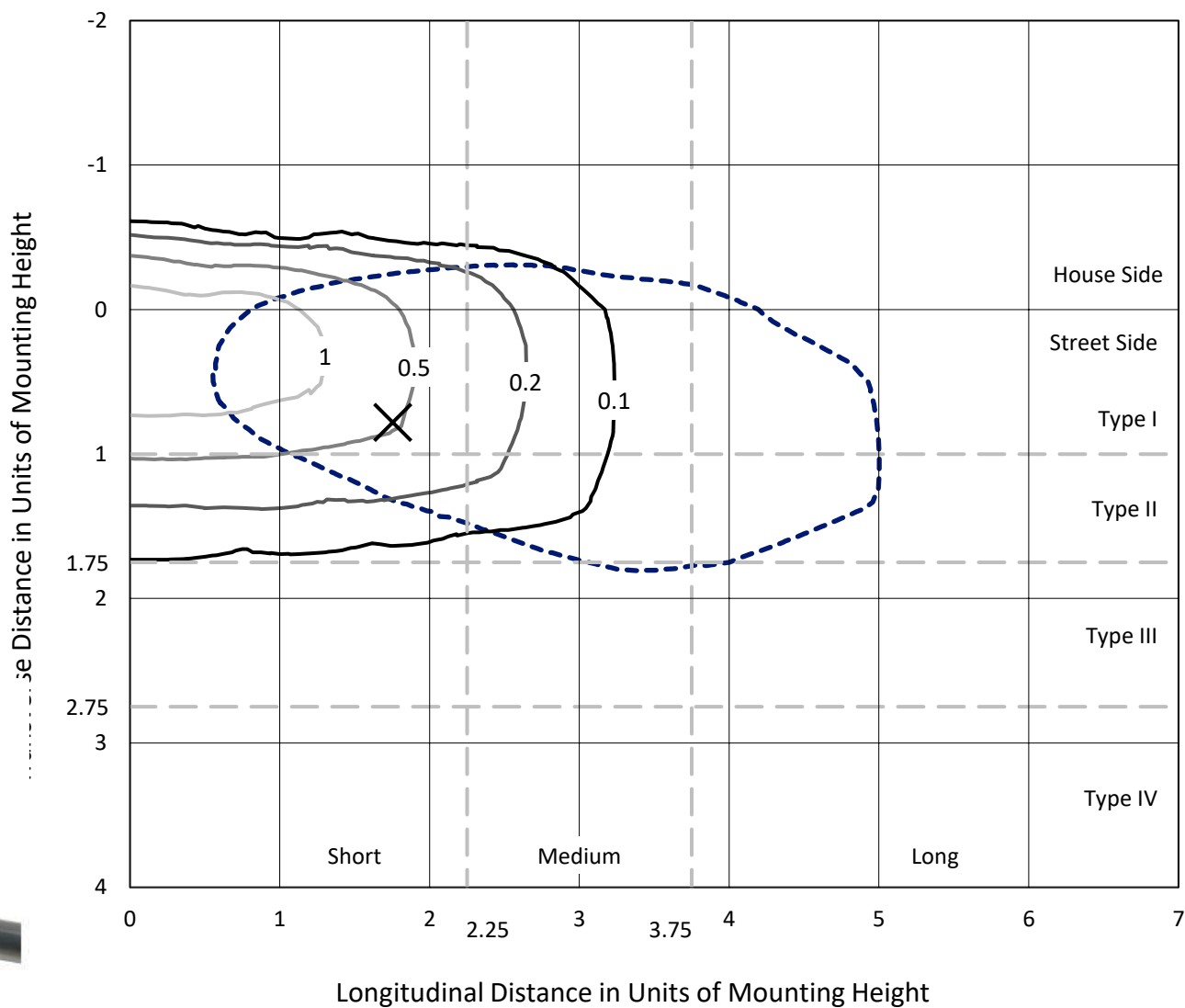
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

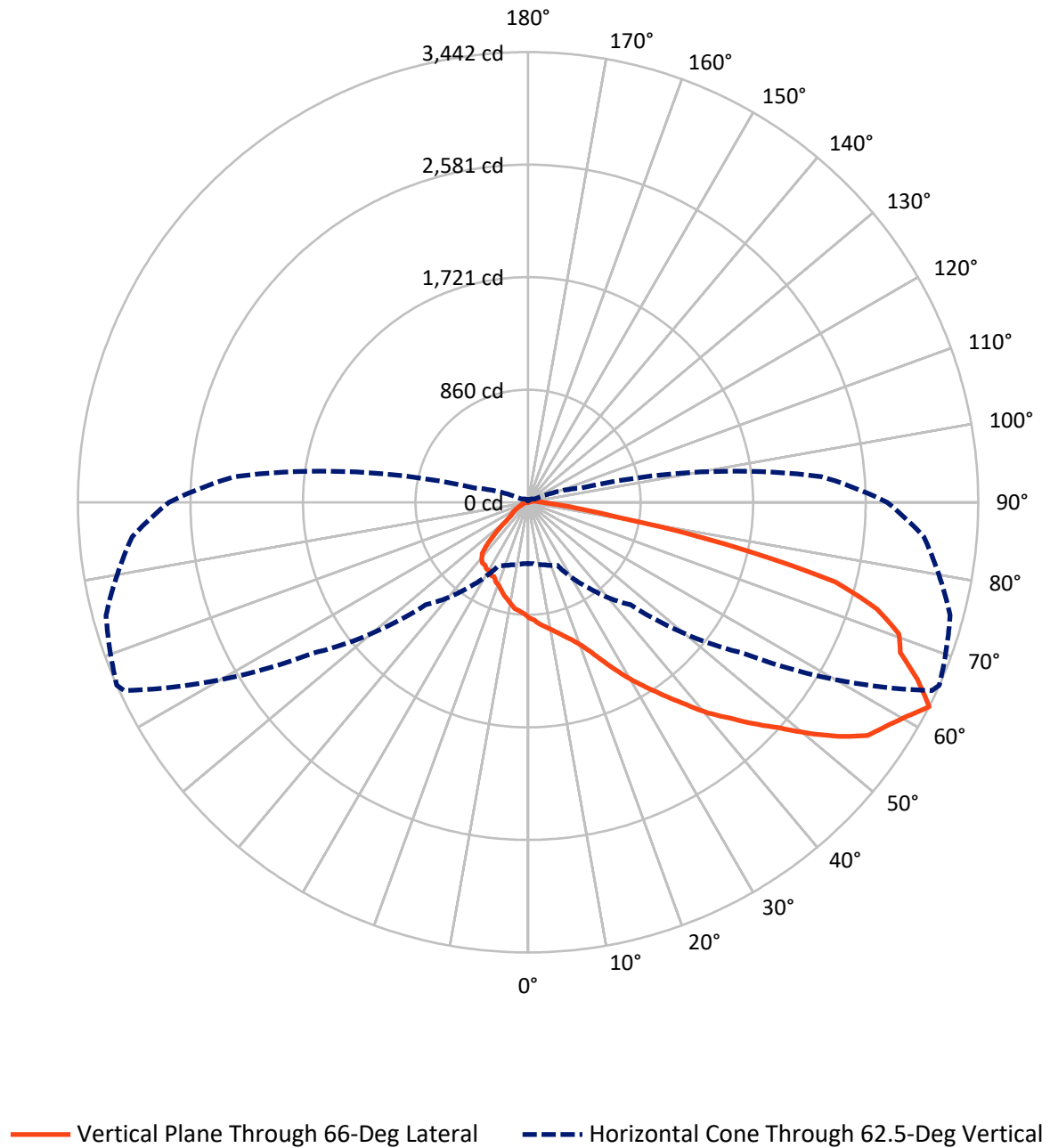


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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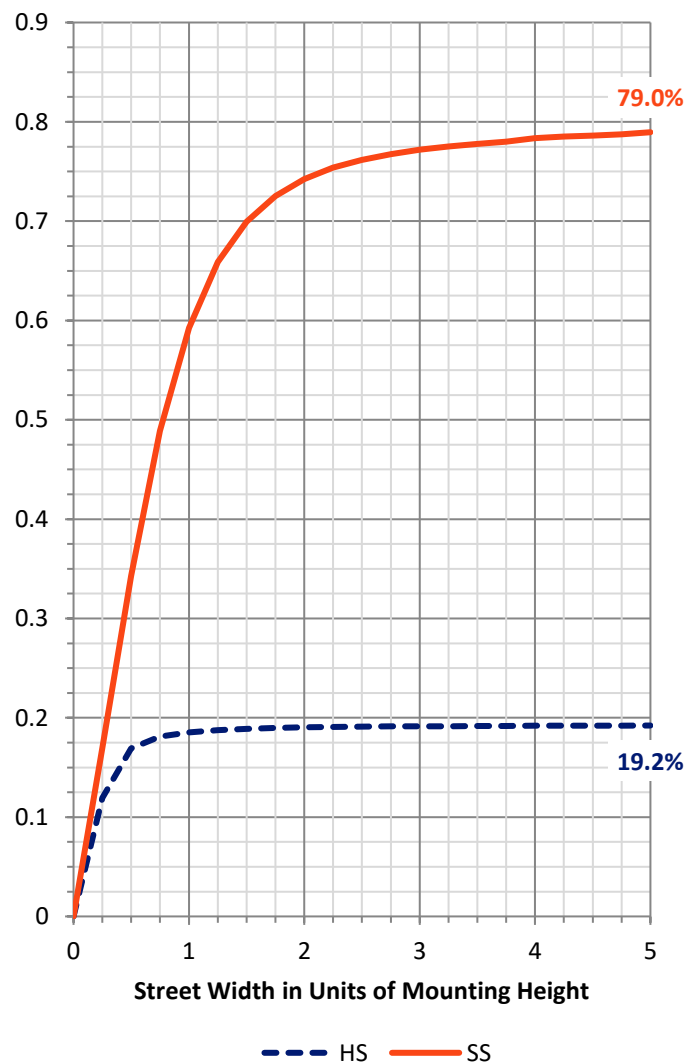
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	953.4	13.4	966.8
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	3885.9	37.3	3923.1
	% Fixture	79.5	0.8	80.2
Total	Lumens	4839.3	50.7	4890.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.9	1.7
10°-20°	246.0	5.0
20°-30°	414.0	8.5
30°-40°	615.7	12.6
40°-50°	814.6	16.7
50°-60°	948.5	19.4
60°-70°	946.9	19.4
70°-80°	635.4	13.0
80°-90°	134.3	2.7
90°-100°	40.9	0.8
100°-110°	7.1	0.1
110°-120°	0.5	0.0
120°-130°	0.6	0.0
130°-140°	0.6	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°	4839.3	99.0
0°-180°	4890.0	100.0

Coefficient of Utilization



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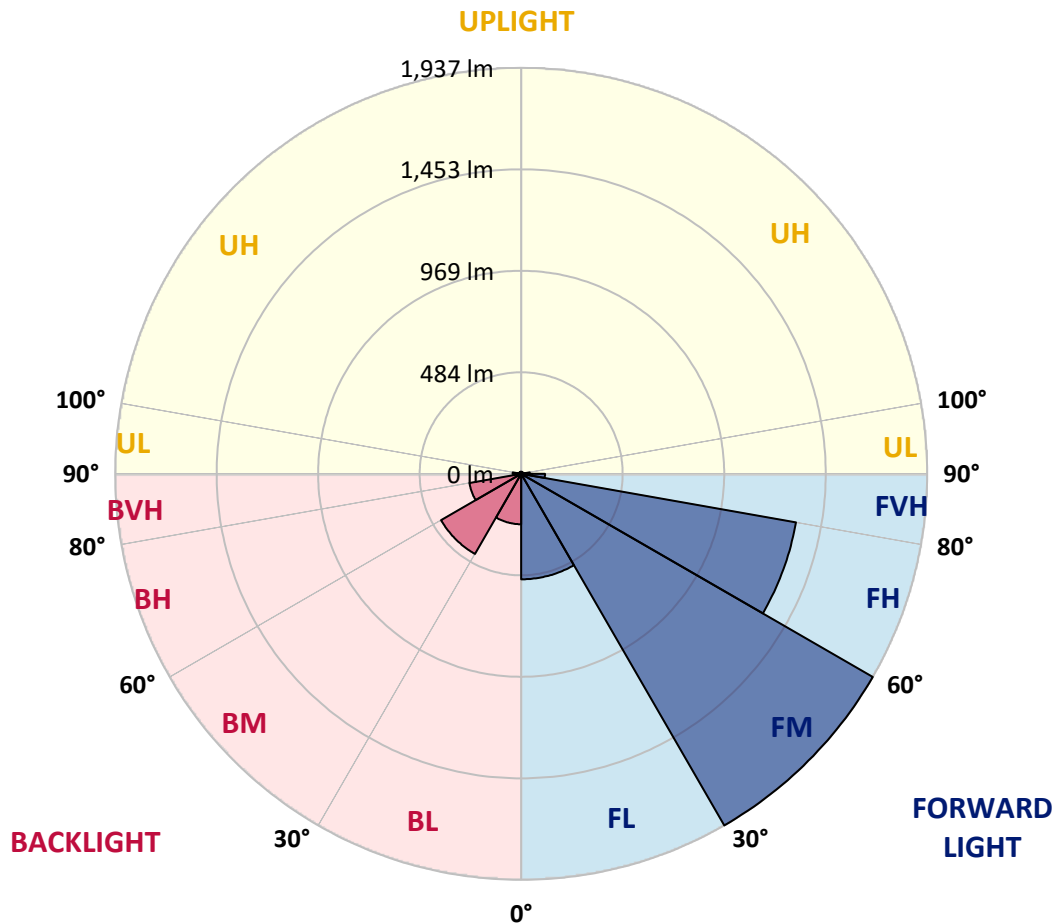
CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-8027-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	503.4	10.3			
FM	(30°-60°)	1937.3	39.6			
FH	(60°-80°)	1331.6	27.2			G1/1800
FVH	(80°-90°)	113.6	2.3			G2/225
BL	(0°-30°)	240.5	4.9	B1/500		
BM	(30°-60°)	441.5	9.0	B1/1000		
BH	(60°-80°)	250.7	5.1	B1/500		G1/500
BVH	(80°-90°)	20.7	0.4			G1/100
UL	(90°-100°)	40.9	0.8		U2/50	
UH	(100°-180°)	9.8	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°	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5
2.5°	943.1	937.7	939.5	930.4	921.4	916.0	910.6	901.5	901.5	894.3	885.3
5°	1009.9	1011.7	1009.9	999.1	988.3	972.0	952.1	935.9	935.9	919.6	897.9
7.5°	1055.1	1053.3	1053.3	1040.7	1033.4	1024.4	1000.9	964.8	963.0	941.3	914.2
10°	1073.2	1075.0	1082.2	1064.1	1056.9	1044.3	1031.6	995.5	991.9	955.7	912.4
12.5°	1112.9	1114.7	1111.1	1096.7	1087.6	1078.6	1058.7	1028.0	1024.4	984.6	925.0
15°	1159.9	1159.9	1154.5	1140.0	1134.6	1122.0	1098.5	1069.6	1065.9	1020.8	948.5
17.5°	1185.2	1188.8	1188.8	1168.9	1170.7	1165.3	1152.7	1114.7	1109.3	1067.8	981.0
20°	1197.8	1199.6	1203.3	1203.3	1201.5	1199.6	1206.9	1172.5	1168.9	1120.2	1019.0
22.5°	1234.0	1237.6	1246.6	1241.2	1246.6	1253.8	1255.7	1253.8	1248.4	1196.0	1082.2
25°	1250.2	1261.1	1273.7	1290.0	1306.2	1317.1	1342.4	1355.0	1351.4	1300.8	1181.6
27.5°	1232.2	1243.0	1288.2	1318.9	1369.5	1400.2	1447.2	1467.0	1465.2	1423.7	1284.6
30°	1262.9	1266.5	1286.4	1329.7	1394.8	1479.7	1544.7	1575.4	1582.7	1544.7	1393.0
32.5°	1217.7	1230.4	1286.4	1367.7	1465.2	1555.6	1618.8	1687.5	1696.5	1680.2	1535.7
35°	1214.1	1223.1	1253.8	1342.4	1467.0	1635.1	1721.8	1815.7	1823.0	1828.4	1680.2
37.5°	1163.5	1176.2	1237.6	1349.6	1521.2	1687.5	1808.5	1944.0	1962.1	1983.7	1801.3
40°	1107.5	1116.5	1168.9	1288.2	1508.6	1748.9	1891.6	2099.4	2117.4	2144.5	1962.1
42.5°	1024.4	1044.3	1132.8	1261.1	1501.4	1766.9	1974.7	2236.7	2252.9	2290.9	2097.6
45°	950.3	959.4	1028.0	1168.9	1443.5	1799.5	2045.2	2397.5	2413.7	2431.8	2204.2
47.5°	892.5	903.3	968.4	1094.9	1385.7	1792.2	2110.2	2556.5	2574.5	2616.1	2336.1
50°	708.2	735.3	899.7	1022.6	1290.0	1777.8	2166.2	2733.5	2775.1	2791.3	2473.4
52.5°	608.9	617.9	702.8	957.5	1196.0	1725.4	2215.0	2926.8	2973.8	2943.1	2657.6
55°	567.3	572.7	614.3	829.3	1111.1	1618.8	2254.8	3112.9	3147.3	3049.7	2793.1
57.5°	536.6	545.6	563.7	672.1	1011.7	1439.9	2256.6	3215.9	3228.6	3138.2	2858.2
60°	496.8	500.5	538.4	585.4	899.7	1253.8	2195.1	3268.3	3324.3	3241.2	2990.1
62.5°	467.9	471.5	495.0	533.0	793.1	1107.5	2014.5	3407.4	3441.8	3340.6	3038.9
65°	431.8	437.2	457.1	495.0	719.1	1019.0	1924.1	3371.3	3271.9	3317.1	3094.9
67.5°	393.9	397.5	419.2	448.1	612.5	934.1	1700.1	3141.8	3069.6	3199.7	2944.9
70°	354.1	357.7	377.6	397.5	504.1	829.3	1416.4	2946.7	3008.1	3015.4	2804.0
72.5°	312.6	316.2	334.2	350.5	417.3	697.4	1125.6	2751.6	2789.5	2679.3	2477.0
75°	271.0	272.8	287.3	303.5	346.9	561.9	805.8	2281.9	2426.4	2560.1	2137.3
77.5°	218.6	222.2	236.7	242.1	278.2	453.5	522.1	1356.8	1546.5	2240.3	1918.7
80°	160.8	162.6	177.1	175.2	207.8	330.6	328.8	645.0	693.8	1383.9	1409.2
82.5°	106.6	110.2	122.9	119.2	140.9	200.5	206.0	346.9	370.4	536.6	617.9
85°	84.9	86.7	93.9	86.7	93.9	101.2	113.8	209.6	213.2	318.0	316.2
87.5°	68.7	70.5	77.7	72.3	74.1	77.7	90.3	133.7	137.3	200.5	207.8
90°	54.2	56.0	65.0	59.6	59.6	65.0	75.9	99.4	104.8	157.2	169.8
92.5°	36.1	36.1	41.6	39.7	39.7	47.0	66.8	74.1	79.5	146.3	153.6
95°	27.1	27.1	28.9	28.9	28.9	34.3	50.6	70.5	77.7	142.7	139.1
97.5°	18.1	18.1	19.9	19.9	19.9	21.7	28.9	57.8	65.0	115.6	113.8
100°	12.6	12.6	12.6	10.8	10.8	10.8	16.3	37.9	43.4	74.1	74.1
102.5°	9.0	7.2	7.2	7.2	5.4	5.4	7.2	18.1	19.9	39.7	37.9
105°	1.8	1.8	3.6	3.6	3.6	1.8	1.8	7.2	7.2	16.3	16.3
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
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-C016-5TLD-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	1.8
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
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	1.8
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°	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5
2.5°	879.9	874.4	861.8	851.0	841.9	832.9	818.4	813.0	809.4	814.8	814.8
5°	885.3	870.8	849.1	831.1	814.8	794.9	773.3	760.6	749.8	755.2	755.2
7.5°	894.3	874.4	847.3	816.6	775.1	740.7	713.6	697.4	688.4	693.8	697.4
10°	888.9	867.2	831.1	784.1	735.3	699.2	664.9	639.6	630.5	626.9	630.5
12.5°	894.3	869.0	807.6	751.6	704.6	646.8	605.2	578.1	567.3	567.3	567.3
15°	912.4	874.4	793.1	728.1	655.8	599.8	556.5	527.6	523.9	511.3	511.3
17.5°	937.7	879.9	787.7	692.0	612.5	554.7	504.1	475.2	466.1	467.9	467.9
20°	963.0	890.7	776.9	661.2	572.7	504.1	451.7	424.6	402.9	395.7	399.3
22.5°	1006.3	921.4	767.8	645.0	527.6	462.5	404.7	359.5	323.4	312.6	307.1
25°	1069.6	970.2	780.5	607.0	500.5	415.5	346.9	283.7	240.3	229.5	227.6
27.5°	1185.2	1046.1	794.9	607.0	457.1	374.0	276.4	209.6	175.2	164.4	168.0
30°	1293.6	1149.1	836.5	574.5	439.0	299.9	206.0	157.2	126.5	113.8	117.4
32.5°	1383.9	1246.6	894.3	567.3	386.6	222.2	150.0	110.2	88.5	81.3	83.1
35°	1514.0	1329.7	939.5	542.0	318.0	162.6	104.8	77.7	68.7	65.0	65.0
37.5°	1638.7	1430.9	984.6	536.6	234.9	119.2	70.5	63.2	61.4	56.0	56.0
40°	1757.9	1533.9	1004.5	505.9	166.2	77.7	59.6	57.8	56.0	50.6	50.6
42.5°	1904.3	1633.3	1022.6	466.1	115.6	57.8	52.4	54.2	52.4	47.0	45.2
45°	2016.3	1700.1	1028.0	365.0	74.1	54.2	48.8	50.6	48.8	43.4	43.4
47.5°	2110.2	1790.4	1006.3	249.3	61.4	50.6	45.2	47.0	45.2	41.6	39.7
50°	2206.0	1873.5	986.5	133.7	57.8	48.8	43.4	39.7	41.6	37.9	36.1
52.5°	2336.1	1935.0	934.1	81.3	54.2	45.2	39.7	36.1	36.1	32.5	34.3
55°	2514.9	2086.7	836.5	75.9	52.4	43.4	37.9	32.5	32.5	28.9	28.9
57.5°	2594.4	2146.4	679.3	68.7	50.6	43.4	34.3	28.9	25.3	23.5	21.7
60°	2692.0	2234.9	534.8	63.2	47.0	41.6	30.7	25.3	19.9	18.1	18.1
62.5°	2746.2	2252.9	417.3	57.8	45.2	36.1	27.1	19.9	16.3	12.6	12.6
65°	2773.3	2240.3	278.2	52.4	41.6	34.3	23.5	16.3	10.8	9.0	9.0
67.5°	2670.3	2173.5	160.8	48.8	39.7	30.7	19.9	12.6	9.0	7.2	5.4
70°	2495.0	1978.3	101.2	43.4	37.9	27.1	18.1	10.8	7.2	5.4	3.6
72.5°	2289.1	1615.2	74.1	39.7	36.1	23.5	14.5	9.0	5.4	3.6	3.6
75°	2090.3	1407.4	63.2	34.3	30.7	19.9	12.6	7.2	5.4	3.6	1.8
77.5°	1495.9	959.4	56.0	30.7	27.1	16.3	9.0	7.2	3.6	1.8	1.8
80°	1062.3	563.7	50.6	25.3	21.7	12.6	9.0	5.4	3.6	1.8	1.8
82.5°	509.5	292.7	48.8	21.7	16.3	10.8	7.2	5.4	3.6	1.8	1.8
85°	231.3	124.7	36.1	19.9	14.5	10.8	7.2	5.4	3.6	3.6	1.8
87.5°	140.9	65.0	28.9	16.3	10.8	9.0	5.4	3.6	3.6	3.6	3.6
90°	131.9	84.9	21.7	12.6	9.0	7.2	5.4	1.8	0.0	0.0	0.0
92.5°	126.5	97.6	16.3	9.0	5.4	5.4	1.8	0.0	0.0	0.0	0.0
95°	119.2	92.1	18.1	5.4	9.0	3.6	1.8	0.0	0.0	0.0	0.0
97.5°	93.9	72.3	19.9	5.4	45.2	3.6	1.8	0.0	0.0	0.0	0.0
100°	59.6	45.2	14.5	5.4	54.2	3.6	0.0	0.0	0.0	0.0	0.0
102.5°	34.3	25.3	7.2	5.4	16.3	1.8	0.0	0.0	0.0	0.0	0.0
105°	14.5	12.6	3.6	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
107.5°	3.6	3.6	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
110°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-8027-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
115°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
117.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
120°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
122.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
125°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
127.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
130°	1.8	1.8	1.8	3.6	1.8	1.8	1.8	0.0	0.0	0.0	0.0
132.5°	1.8	1.8	1.8	3.6	1.8	1.8	1.8	0.0	0.0	0.0	0.0
135°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
137.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
140°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
142.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
145°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
147.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
150°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
152.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
155°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
157.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
160°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
162.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
165°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
167.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
170°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
172.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.8	1.8	1.8	1.8	1.8	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)