

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: P691750

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691750
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-7)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T2-7030-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8099 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B3 - U4 - G2

Input Watts (W): 74.9
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



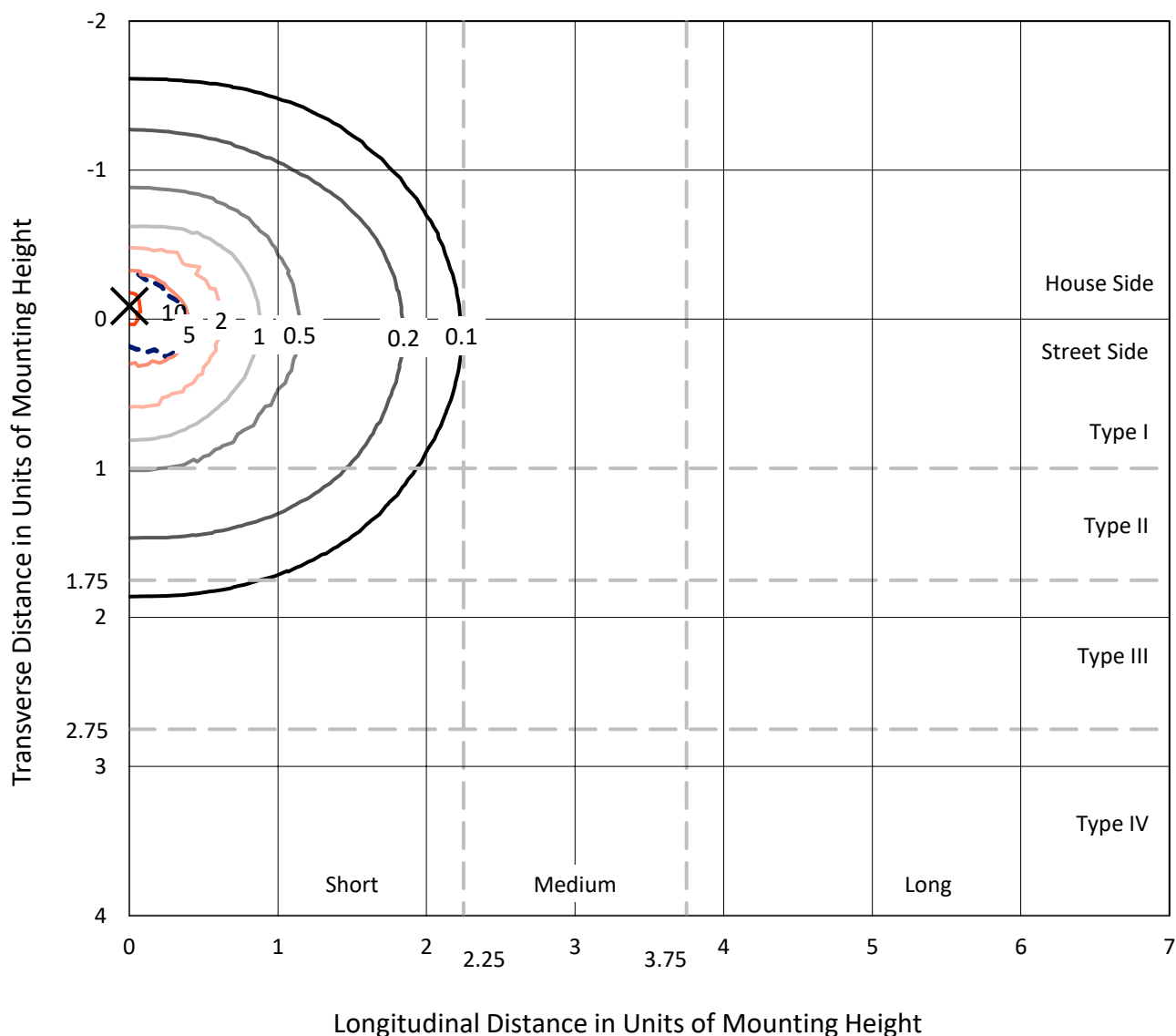
REPORT NUMBER: P691750

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

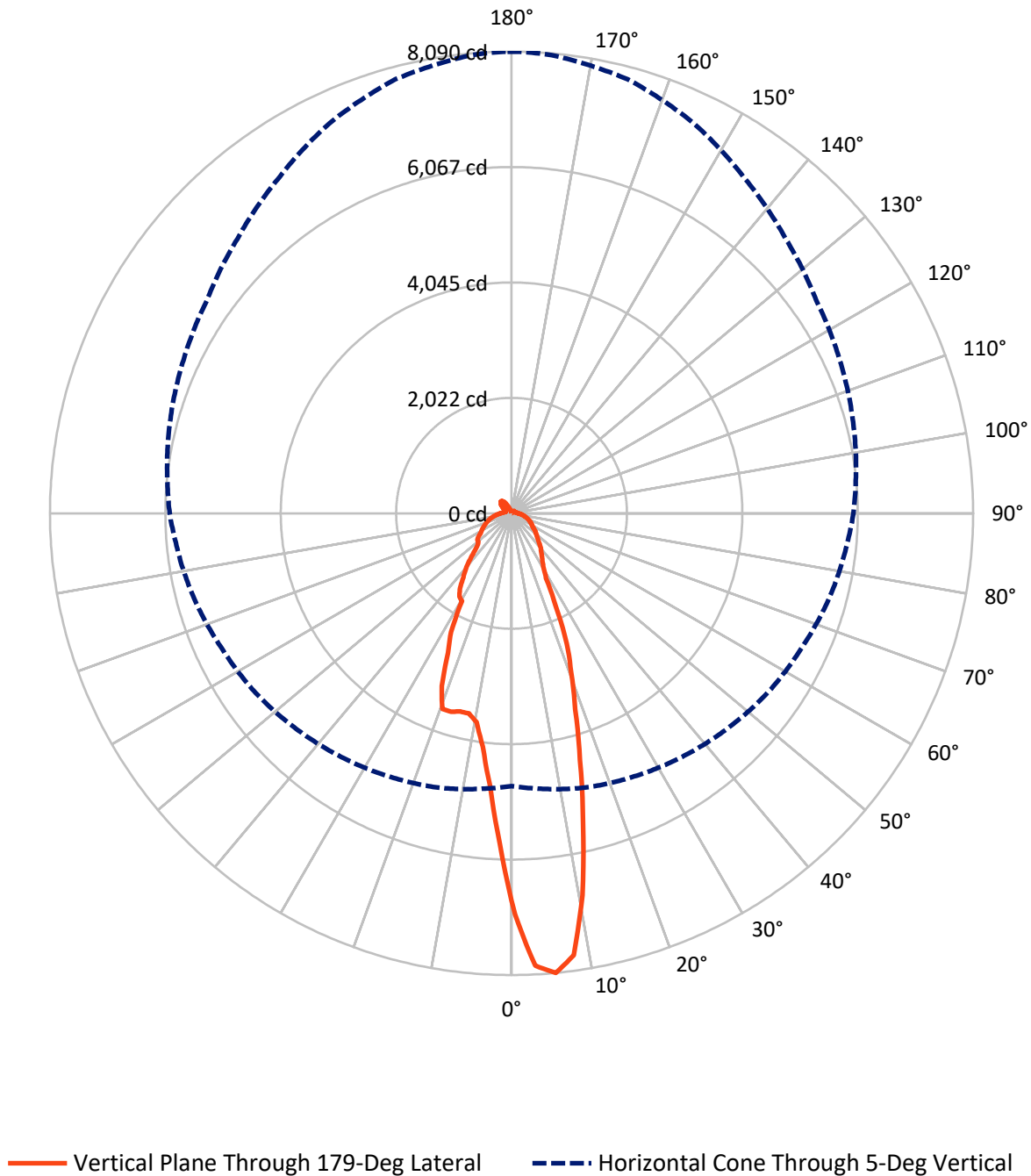


Based on 25 foot mounting height. Maximum calculated value = 12.3 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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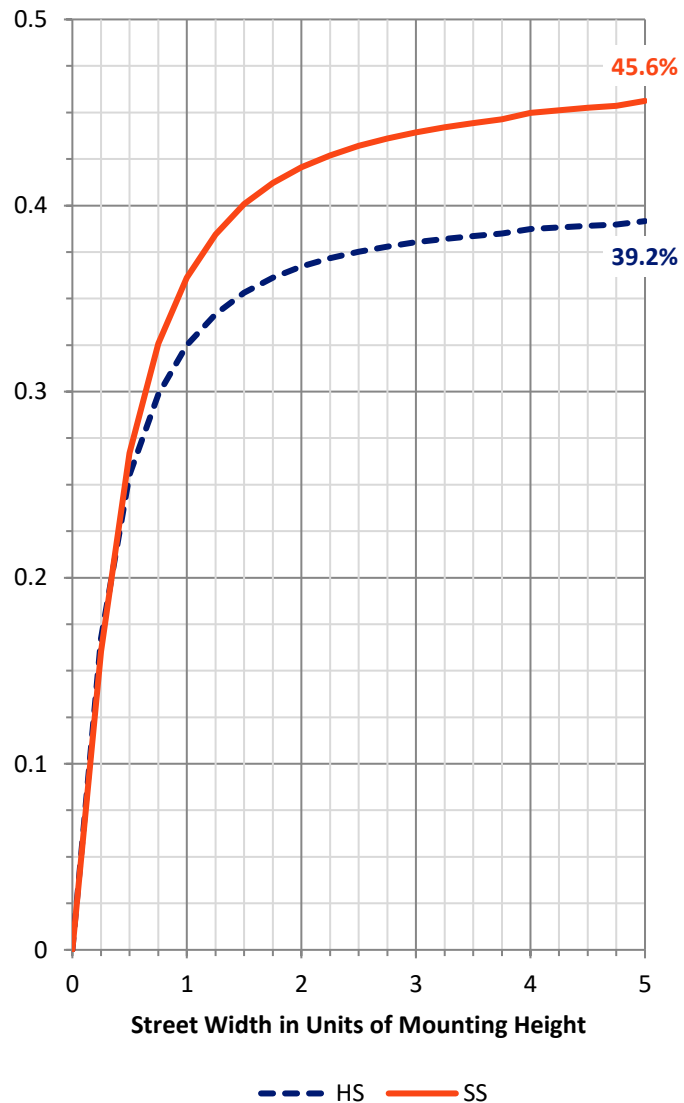
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3259.1	396.3	3655.4
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	3782.8	660.8	4443.6
	% Fixture	46.7	8.2	54.9
Total	Lumens	7042.0	1057.0	8099.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.5	6.8
10°-20°	1172.3	14.5
20°-30°	1273.5	15.7
30°-40°	942.6	11.6
40°-50°	789.4	9.7
50°-60°	793.6	9.8
60°-70°	675.7	8.3
70°-80°	504.7	6.2
80°-90°	340.7	4.2
90°-100°	203.6	2.5
100°-110°	117.6	1.5
110°-120°	108.3	1.3
120°-130°	156.6	1.9
130°-140°	214.3	2.6
140°-150°	176.6	2.2
150°-160°	71.1	0.9
160°-170°	8.8	0.1
170°-180°	0.0	0.0
0°-90°	7042.0	86.9
0°-180°	8099.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691750

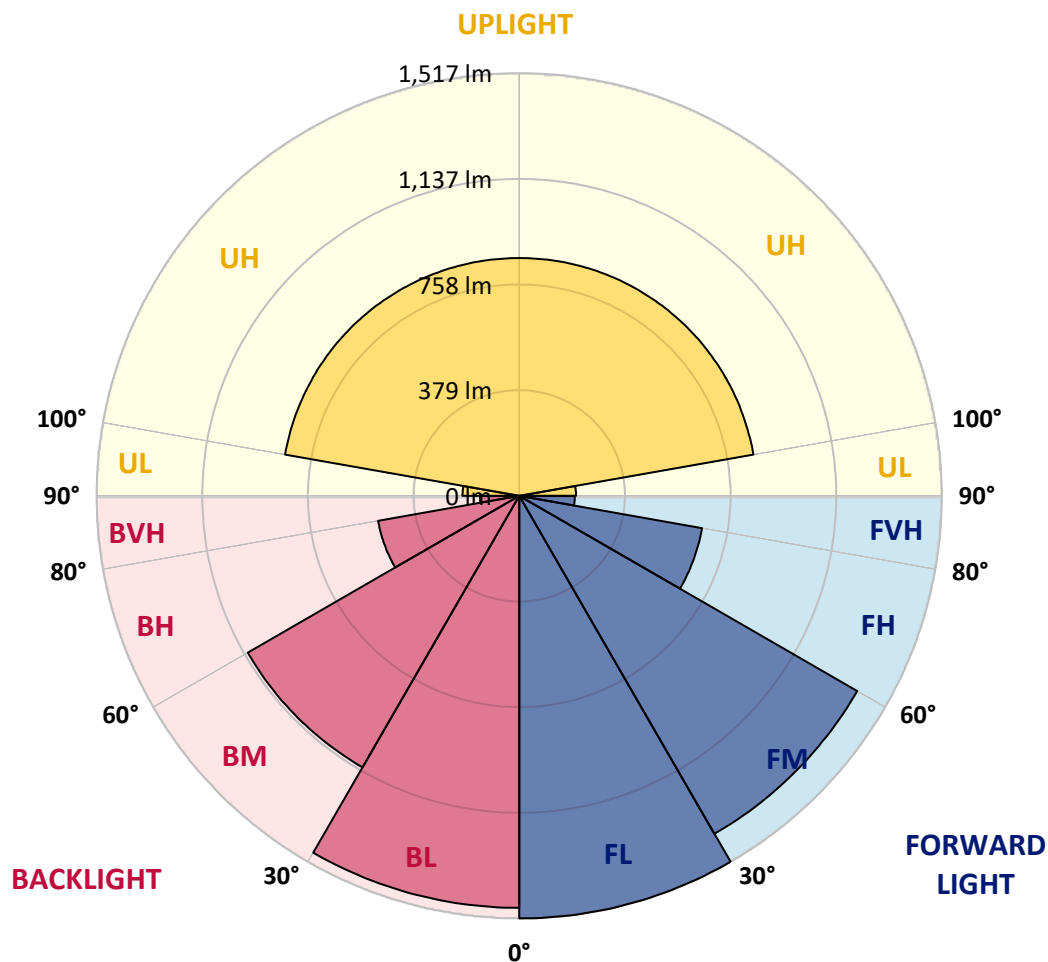
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7030-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1516.6	18.7			
FM	(30°-60°)	1400.6	17.3			
FH	(60°-80°)	666.1	8.2			G1/1800
FVH	(80°-90°)	199.5	2.5			G2/225
BL	(0°-30°)	1478.6	18.3	B3/2500		
BM	(30°-60°)	1125.0	13.9	B2/2500		
BH	(60°-80°)	514.2	6.3	B2/1000		G2/1000
BVH	(80°-90°)	141.2	1.7			G2/225
UL	(90°-100°)	203.6	2.5		U3/500	
UH	(100°-180°)	853.4	10.5		U4/1000	

BUG Rating: B3-U4-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7027.9	7027.9	7027.9	7027.9	7027.9	7027.9	7027.9	7027.9	7027.9	7027.9	7027.9
2.5°	5793.8	5826.3	5897.7	5933.5	5969.2	6014.7	6082.9	6134.8	6255.0	6365.4	6410.9
5°	4780.6	4839.0	4975.4	5085.8	5209.2	5339.2	5478.8	5602.2	5761.3	5907.5	5991.9
7.5°	4108.3	4157.0	4319.4	4533.7	4751.3	4933.2	5076.1	5170.3	5241.7	5300.2	5361.9
10°	3699.1	3741.3	3903.7	4095.3	4280.4	4449.3	4569.5	4660.4	4686.4	4744.8	4774.1
12.5°	3582.2	3601.7	3715.3	3848.5	3962.1	4127.8	4270.7	4368.1	4410.3	4462.3	4478.5
15°	3585.4	3585.4	3650.4	3734.8	3838.7	3965.4	4124.5	4241.4	4303.1	4332.4	4329.1
17.5°	3634.1	3630.9	3660.1	3728.3	3816.0	3942.7	4105.0	4225.2	4296.7	4306.4	4296.7
20°	3634.1	3637.4	3647.1	3725.1	3809.5	3923.2	4088.8	4189.5	4244.7	4215.5	4183.0
22.5°	3263.9	3260.6	3345.1	3510.7	3738.1	3975.1	4124.5	4247.9	4260.9	4153.8	4066.1
25°	2695.6	2672.8	2721.5	2796.2	2948.9	3224.9	3536.7	4004.4	4283.7	4222.0	4088.8
27.5°	2338.3	2309.1	2351.3	2318.8	2302.6	2283.1	2263.6	2208.4	2244.1	2276.6	2419.5
30°	1763.5	1770.0	1779.7	1799.2	1838.2	1916.1	1997.3	2046.0	2088.2	2172.7	2162.9
32.5°	1724.5	1721.3	1724.5	1744.0	1763.5	1812.2	1860.9	1886.9	1919.4	2000.6	1981.1
35°	1594.6	1588.1	1610.8	1620.6	1617.3	1630.3	1679.0	1708.3	1737.5	1789.5	1770.0
37.5°	1403.0	1409.5	1458.2	1484.2	1493.9	1523.2	1562.1	1588.1	1623.8	1662.8	1653.1
40°	1260.1	1256.8	1308.8	1344.5	1367.3	1412.7	1471.2	1510.2	1568.6	1601.1	1578.4
42.5°	1084.7	1097.7	1136.7	1172.4	1178.9	1201.6	1253.6	1299.1	1370.5	1419.2	1406.2
45°	912.6	922.3	954.8	984.0	1006.8	1036.0	1075.0	1113.9	1172.4	1211.4	1208.1
47.5°	805.4	815.2	841.1	876.9	909.3	951.6	990.5	1029.5	1084.7	1113.9	1104.2
50°	763.2	769.7	798.9	837.9	886.6	938.6	990.5	1032.8	1084.7	1104.2	1088.0
52.5°	760.0	760.0	795.7	854.1	922.3	993.8	1062.0	1120.4	1169.2	1169.2	1136.7
55°	714.5	721.0	766.4	844.4	948.3	1065.2	1185.4	1295.8	1360.8	1347.8	1286.1
57.5°	649.5	652.8	701.5	776.2	886.6	1029.5	1191.9	1331.5	1409.5	1425.7	1360.8
60°	610.6	613.8	646.3	717.7	811.9	925.6	1075.0	1185.4	1263.3	1312.1	1260.1
62.5°	578.1	578.1	610.6	659.3	737.2	821.7	906.1	980.8	1042.5	1078.2	1049.0
65°	542.4	542.4	565.1	610.6	672.3	753.5	818.4	873.6	928.8	954.8	928.8
67.5°	506.6	506.6	529.4	571.6	626.8	695.0	760.0	811.9	867.1	886.6	867.1
70°	470.9	470.9	493.6	529.4	581.3	646.3	695.0	750.2	802.2	815.2	798.9
72.5°	435.2	435.2	457.9	490.4	535.9	597.6	643.0	685.3	734.0	743.7	727.5
75°	402.7	402.7	418.9	451.4	493.6	548.9	594.3	633.3	672.3	672.3	659.3
77.5°	367.0	370.2	383.2	412.5	451.4	503.4	545.6	581.3	613.8	613.8	597.6
80°	331.3	334.5	347.5	373.5	409.2	457.9	496.9	529.4	558.6	558.6	542.4
82.5°	295.5	298.8	311.8	334.5	367.0	412.5	451.4	483.9	509.9	506.6	490.4
85°	263.1	266.3	276.1	295.5	324.8	370.2	406.0	435.2	457.9	454.7	441.7
87.5°	230.6	233.8	243.6	259.8	285.8	328.0	363.7	389.7	409.2	406.0	393.0
90°	201.4	201.4	211.1	227.3	250.1	285.8	318.3	341.0	360.5	354.0	341.0
92.5°	175.4	178.6	185.1	198.1	217.6	250.1	279.3	298.8	318.3	315.0	302.0
95°	155.9	155.9	162.4	172.1	188.4	214.3	243.6	259.8	272.8	272.8	263.1
97.5°	136.4	139.6	142.9	149.4	162.4	181.9	204.6	220.8	230.6	230.6	224.1
100°	123.4	126.7	126.7	133.2	139.6	152.6	168.9	181.9	191.6	191.6	188.4
102.5°	116.9	116.9	116.9	120.2	123.4	129.9	139.6	146.1	152.6	155.9	152.6
105°	110.4	110.4	110.4	113.7	113.7	120.2	123.4	129.9	133.2	133.2	129.9
107.5°	107.2	107.2	110.4	110.4	110.4	113.7	120.2	120.2	123.4	120.2	120.2
110°	110.4	110.4	110.4	110.4	110.4	113.7	116.9	116.9	116.9	116.9	113.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	113.7	113.7	113.7	113.7	116.9	116.9	116.9	120.2	120.2	116.9	116.9
115°	123.4	123.4	123.4	123.4	123.4	126.7	126.7	126.7	126.7	123.4	120.2
117.5°	133.2	133.2	133.2	136.4	136.4	139.6	136.4	139.6	136.4	133.2	133.2
120°	149.4	149.4	152.6	155.9	159.1	159.1	155.9	159.1	159.1	152.6	149.4
122.5°	168.9	168.9	172.1	181.9	185.1	188.4	185.1	185.1	185.1	178.6	175.4
125°	188.4	191.6	198.1	211.1	220.8	227.3	220.8	224.1	224.1	214.3	211.1
127.5°	211.1	214.3	227.3	246.8	263.1	269.6	266.3	269.6	272.8	256.6	250.1
130°	233.8	233.8	253.3	282.5	305.3	315.0	318.3	321.5	324.8	308.5	295.5
132.5°	253.3	253.3	279.3	315.0	344.3	360.5	367.0	373.5	380.0	357.2	341.0
135°	266.3	269.6	302.0	344.3	380.0	402.7	412.5	418.9	428.7	402.7	383.2
137.5°	276.1	282.5	315.0	360.5	399.5	431.9	451.4	461.2	467.7	441.7	415.7
140°	279.3	282.5	318.3	363.7	402.7	438.4	467.7	483.9	487.1	461.2	435.2
142.5°	269.6	276.1	308.5	354.0	393.0	431.9	464.4	480.7	483.9	461.2	435.2
145°	256.6	259.8	289.0	331.3	370.2	412.5	448.2	464.4	464.4	444.9	418.9
147.5°	233.8	237.1	263.1	298.8	337.8	380.0	415.7	431.9	435.2	415.7	393.0
150°	201.4	204.6	224.1	253.3	292.3	334.5	367.0	386.5	386.5	367.0	350.7
152.5°	162.4	165.6	181.9	204.6	237.1	276.1	305.3	324.8	324.8	311.8	292.3
155°	126.7	126.7	139.6	159.1	181.9	211.1	233.8	250.1	253.3	240.3	227.3
157.5°	90.9	90.9	100.7	116.9	136.4	159.1	175.4	188.4	188.4	178.6	172.1
160°	61.7	61.7	68.2	77.9	90.9	107.2	120.2	133.2	133.2	126.7	120.2
162.5°	32.5	32.5	39.0	45.5	55.2	68.2	74.7	84.4	84.4	81.2	77.9
165°	9.7	9.7	13.0	16.2	22.7	29.2	32.5	39.0	42.2	39.0	35.7
167.5°	0.0	0.0	3.2	3.2	3.2	3.2	6.5	9.7	9.7	9.7	9.7
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	7027.9	7027.9	7027.9	7027.9	7027.9	7027.9	7027.9	7027.9	7027.9	7027.9	7027.9
2.5°	6459.6	6664.2	6849.3	7040.9	7278.0	7485.9	7709.9	7869.1	7937.3	7937.3	7963.3
5°	6053.6	6196.5	6345.9	6514.8	6797.3	7144.8	7544.3	7872.3	8060.7	8089.9	8086.7
7.5°	5381.4	5478.8	5631.4	5819.8	6079.6	6391.4	6904.5	7417.7	7758.7	7820.4	7797.6
10°	4790.3	4881.2	4972.2	5043.6	5228.7	5475.6	5852.3	6352.4	6745.4	6807.1	6758.4
12.5°	4488.3	4517.5	4514.2	4556.5	4631.2	4754.6	4946.2	5235.2	5504.8	5563.2	5521.0
15°	4329.1	4286.9	4222.0	4147.3	4140.8	4160.3	4209.0	4325.9	4439.5	4488.3	4455.8
17.5°	4264.2	4163.5	4030.3	3884.2	3786.8	3695.8	3634.1	3595.2	3611.4	3614.6	3588.7
20°	4111.5	3991.4	3777.0	3569.2	3413.3	3254.2	3117.8	3017.1	3000.8	2984.6	2965.1
22.5°	3939.4	3734.8	3478.2	3224.9	2994.3	2783.2	2630.6	2510.4	2465.0	2481.2	2471.5
25°	3903.7	3562.7	3250.9	2841.7	2549.4	2312.3	2026.5	1831.7	1744.0	1792.7	1760.2
27.5°	2341.6	2351.3	2175.9	1929.1	1718.0	1578.4	1451.7	1347.8	1289.3	1289.3	1295.8
30°	2120.7	2026.5	1909.6	1757.0	1571.9	1432.2	1292.6	1178.9	1117.2	1101.0	1107.5
32.5°	1938.9	1873.9	1763.5	1617.3	1448.5	1305.6	1159.4	1055.5	997.0	993.8	990.5
35°	1744.0	1675.8	1584.9	1458.2	1312.1	1178.9	1052.2	961.3	909.3	912.6	912.6
37.5°	1610.8	1549.1	1467.9	1347.8	1214.6	1081.5	967.8	883.4	841.1	841.1	837.9
40°	1542.6	1471.2	1383.5	1273.1	1149.7	1010.0	902.8	821.7	785.9	785.9	782.7
42.5°	1393.2	1331.5	1273.1	1159.4	1036.0	922.3	821.7	750.2	714.5	714.5	714.5
45°	1182.1	1146.4	1101.0	1023.0	922.3	828.2	743.7	675.5	646.3	643.0	643.0
47.5°	1091.2	1052.2	997.0	925.6	844.4	756.7	675.5	626.8	597.6	597.6	597.6
50°	1065.2	1019.8	945.1	860.6	776.2	698.2	626.8	581.3	555.3	555.3	558.6
52.5°	1101.0	1026.3	925.6	821.7	734.0	646.3	584.6	539.1	519.6	519.6	516.4
55°	1224.4	1084.7	938.6	811.9	701.5	607.3	542.4	493.6	470.9	470.9	470.9
57.5°	1292.6	1126.9	948.3	798.9	672.3	578.1	509.9	457.9	435.2	435.2	435.2
60°	1214.6	1078.2	909.3	772.9	649.5	552.1	480.7	431.9	409.2	406.0	402.7
62.5°	1016.5	932.1	811.9	698.2	600.8	516.4	457.9	409.2	386.5	386.5	383.2
65°	906.1	834.6	730.7	633.3	552.1	480.7	425.4	386.5	363.7	360.5	360.5
67.5°	844.4	779.4	675.5	584.6	509.9	444.9	393.0	357.2	341.0	334.5	334.5
70°	776.2	704.7	613.8	532.6	464.4	406.0	363.7	328.0	311.8	308.5	305.3
72.5°	708.0	643.0	558.6	480.7	418.9	370.2	331.3	298.8	282.5	279.3	279.3
75°	636.5	574.8	493.6	428.7	376.7	331.3	295.5	269.6	256.6	253.3	250.1
77.5°	578.1	522.9	444.9	383.2	334.5	298.8	266.3	243.6	230.6	230.6	227.3
80°	522.9	470.9	396.2	341.0	298.8	263.1	237.1	217.6	207.9	204.6	204.6
82.5°	470.9	418.9	350.7	302.0	263.1	233.8	207.9	191.6	181.9	181.9	181.9
85°	422.2	373.5	311.8	266.3	230.6	204.6	181.9	165.6	159.1	155.9	159.1
87.5°	373.5	328.0	276.1	233.8	201.4	175.4	155.9	142.9	136.4	136.4	136.4
90°	328.0	285.8	237.1	198.1	172.1	149.4	133.2	120.2	116.9	113.7	113.7
92.5°	289.0	253.3	211.1	178.6	152.6	136.4	120.2	110.4	103.9	103.9	103.9
95°	253.3	220.8	188.4	159.1	139.6	123.4	110.4	100.7	97.4	97.4	97.4
97.5°	217.6	191.6	165.6	142.9	126.7	113.7	100.7	94.2	90.9	87.7	90.9
100°	181.9	162.4	142.9	126.7	113.7	100.7	90.9	84.4	81.2	81.2	81.2
102.5°	146.1	136.4	120.2	107.2	97.4	90.9	81.2	74.7	71.4	71.4	71.4
105°	126.7	116.9	107.2	97.4	90.9	81.2	74.7	68.2	65.0	65.0	65.0
107.5°	116.9	110.4	100.7	94.2	84.4	77.9	71.4	61.7	58.5	58.5	58.5
110°	113.7	107.2	100.7	90.9	84.4	77.9	71.4	58.5	55.2	55.2	55.2



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CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7030-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	113.7	107.2	100.7	94.2	87.7	77.9	71.4	58.5	52.0	52.0	52.0
115°	120.2	113.7	107.2	100.7	90.9	81.2	74.7	58.5	52.0	52.0	52.0
117.5°	129.9	123.4	116.9	107.2	97.4	87.7	74.7	58.5	55.2	55.2	55.2
120°	146.1	139.6	129.9	120.2	107.2	94.2	81.2	61.7	52.0	55.2	55.2
122.5°	168.9	162.4	149.4	133.2	120.2	103.9	84.4	65.0	48.7	55.2	55.2
125°	201.4	191.6	172.1	152.6	133.2	113.7	90.9	68.2	52.0	58.5	58.5
127.5°	237.1	224.1	198.1	172.1	149.4	123.4	97.4	71.4	55.2	58.5	58.5
130°	279.3	256.6	224.1	191.6	162.4	133.2	103.9	74.7	58.5	58.5	58.5
132.5°	321.5	289.0	246.8	211.1	175.4	139.6	107.2	74.7	58.5	58.5	58.5
135°	357.2	318.3	269.6	224.1	181.9	142.9	110.4	74.7	58.5	58.5	58.5
137.5°	389.7	337.8	282.5	230.6	185.1	142.9	107.2	74.7	55.2	55.2	55.2
140°	406.0	347.5	289.0	230.6	181.9	139.6	100.7	68.2	52.0	52.0	52.0
142.5°	406.0	344.3	282.5	224.1	175.4	133.2	94.2	65.0	45.5	48.7	48.7
145°	393.0	331.3	269.6	211.1	162.4	120.2	84.4	55.2	42.2	42.2	42.2
147.5°	363.7	305.3	246.8	191.6	146.1	103.9	74.7	48.7	35.7	32.5	35.7
150°	324.8	269.6	214.3	165.6	123.4	87.7	61.7	39.0	29.2	29.2	29.2
152.5°	272.8	224.1	178.6	136.4	97.4	68.2	45.5	29.2	22.7	22.7	22.7
155°	214.3	175.4	139.6	103.9	74.7	52.0	35.7	22.7	16.2	16.2	16.2
157.5°	162.4	133.2	103.9	74.7	55.2	39.0	26.0	16.2	13.0	13.0	13.0
160°	113.7	90.9	71.4	52.0	35.7	26.0	16.2	9.7	6.5	6.5	6.5
162.5°	71.4	58.5	45.5	29.2	22.7	16.2	9.7	6.5	3.2	3.2	3.2
165°	32.5	29.2	19.5	13.0	9.7	6.5	3.2	3.2	0.0	0.0	0.0
167.5°	9.7	6.5	6.5	3.2	3.2	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

(END OF REPORT)