

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: P691989

Luminaire Tested: **CRTK2-C01HO-D-U-T3-8027-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691989
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-16)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T3-8027-RMARROA5-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND NEMA REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7532 lumens
Efficiency: N/A
Efficacy: 95.3 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): 79
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



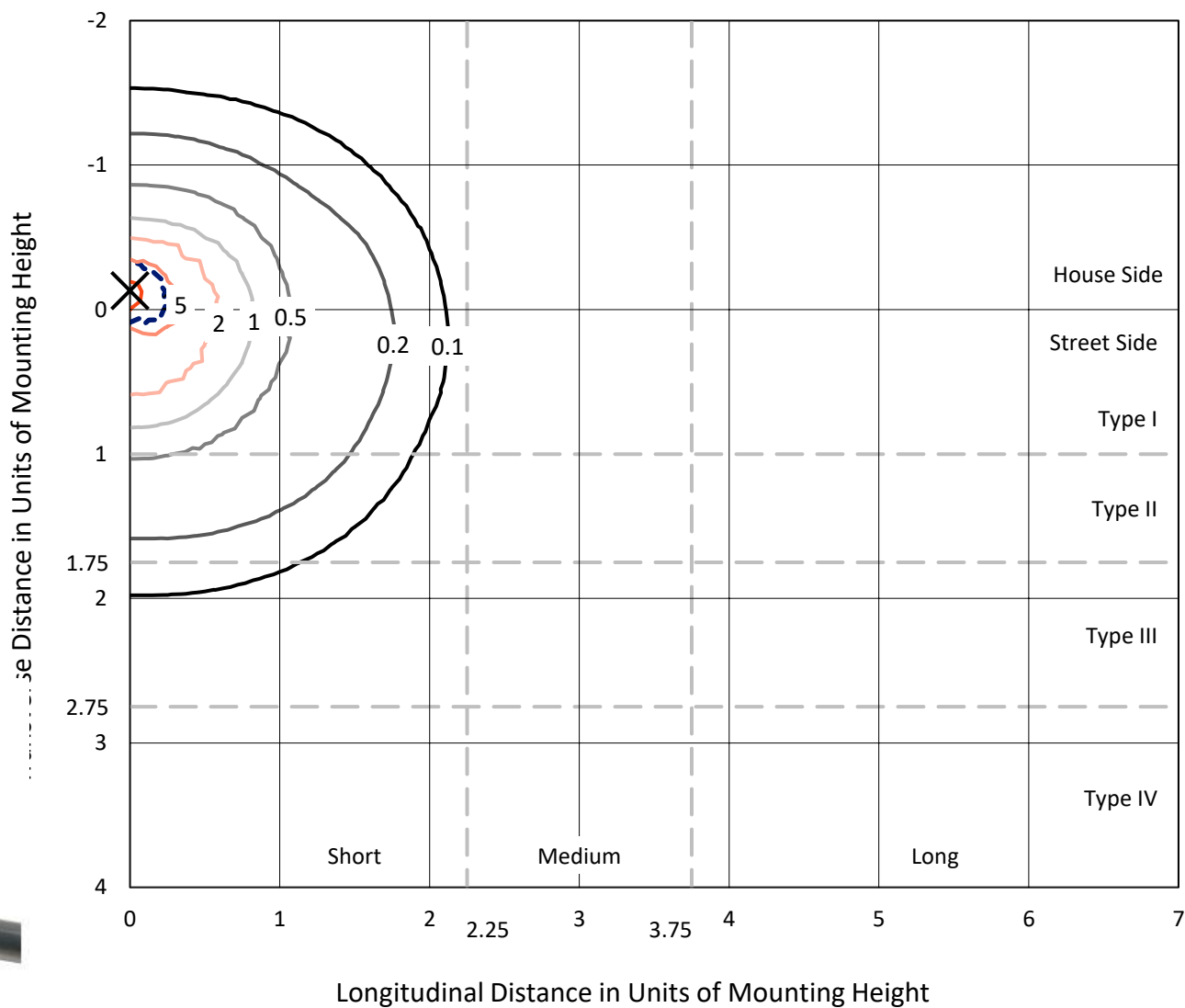
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

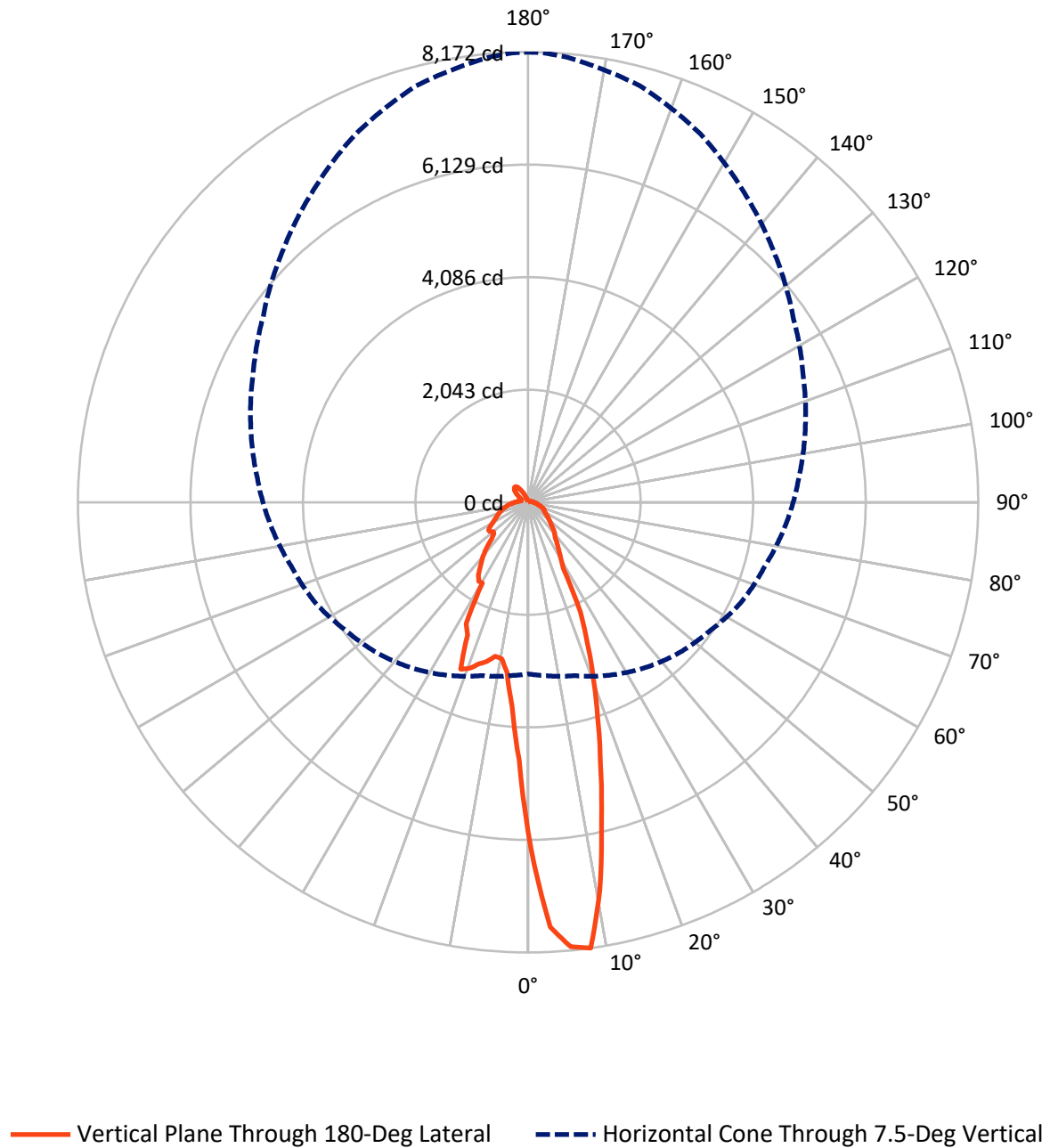


Based on 25 foot mounting height. Maximum calculated value = 12.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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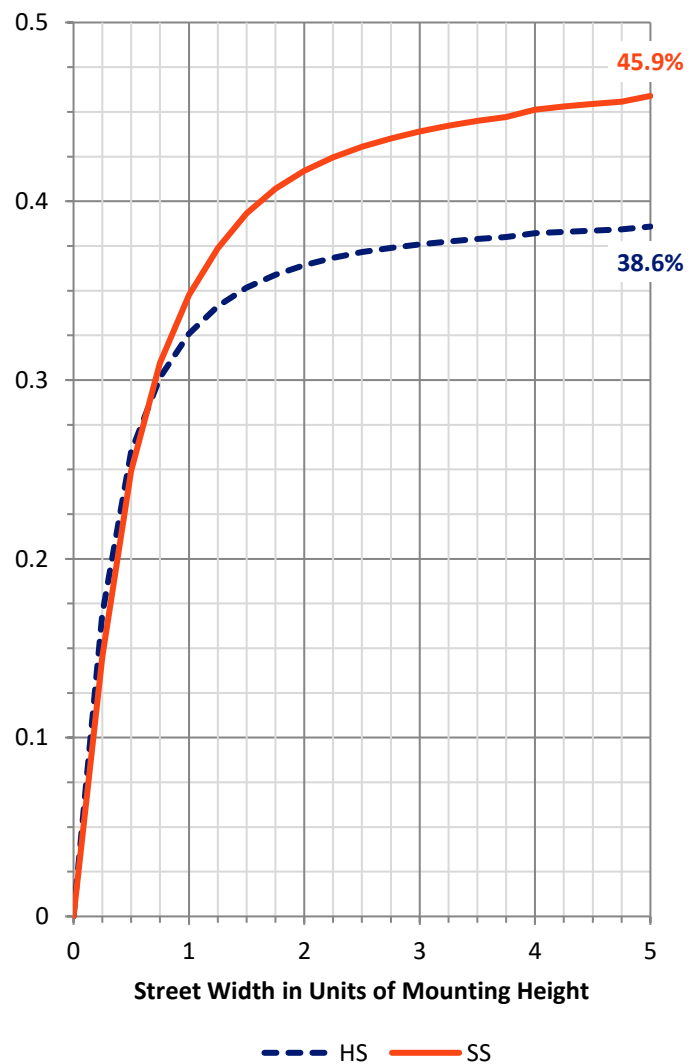
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2982.1	311.0	3293.0
	% Fixture	39.6	4.1	43.7
Street Side	Lumens	3556.0	682.9	4239.0
	% Fixture	47.2	9.1	56.3
Total	Lumens	6538.1	993.9	7532.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.6	6.7
10°-20°	1079.6	14.3
20°-30°	1192.1	15.8
30°-40°	864.6	11.5
40°-50°	728.4	9.7
50°-60°	743.6	9.9
60°-70°	633.8	8.4
70°-80°	472.5	6.3
80°-90°	318.9	4.2
90°-100°	190.6	2.5
100°-110°	109.6	1.5
110°-120°	102.5	1.4
120°-130°	149.3	2.0
130°-140°	202.9	2.7
140°-150°	165.1	2.2
150°-160°	65.9	0.9
160°-170°	8.0	0.1
170°-180°	0.0	0.0
0°-90°	6538.1	86.8
0°-180°	7532.0	100.0

Coefficient of Utilization



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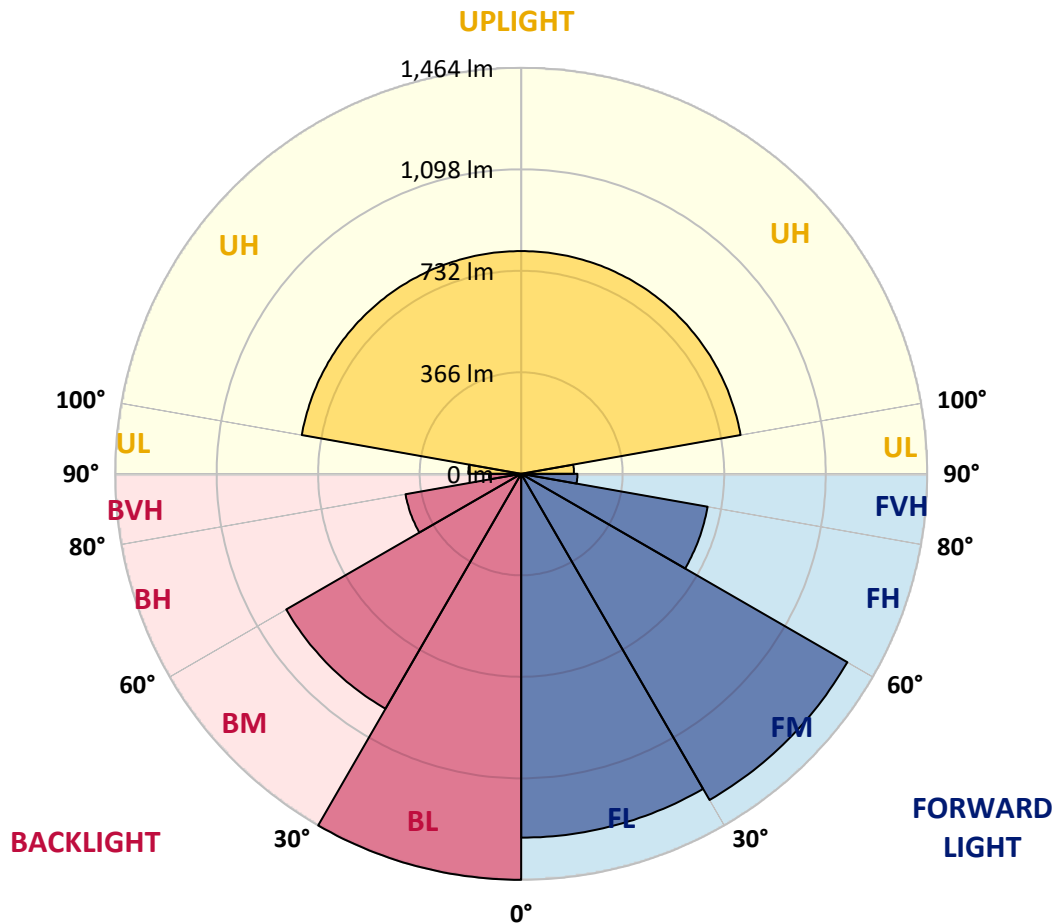
CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1312.1	17.4			
FM	(30°-60°)	1358.3	18.0			
FH	(60°-80°)	682.7	9.1			G1/1800
FVH	(80°-90°)	202.9	2.7			G2/225
BL	(0°-30°)	1464.2	19.4	B3/2500		
BM	(30°-60°)	978.3	13.0	B1/1000		
BH	(60°-80°)	423.5	5.6	B1/500		G1/500
BVH	(80°-90°)	116.0	1.5			G2/225
UL	(90°-100°)	190.6	2.5		U3/500	
UH	(100°-180°)	803.3	10.7		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°	6298.2	6298.2	6298.2	6298.2	6298.2	6298.2	6298.2	6298.2	6298.2	6298.2	6298.2
2.5°	4674.3	4782.8	4792.7	4911.0	4999.8	5082.0	5141.1	5312.1	5486.3	5650.6	5746.0
5°	3711.2	3763.8	3859.1	3987.3	4151.7	4279.9	4464.0	4703.9	4934.0	5223.3	5364.6
7.5°	3116.2	3155.7	3257.6	3464.7	3671.8	3869.0	4046.5	4276.6	4454.1	4694.1	4812.4
10°	2879.6	2902.6	2988.0	3132.7	3329.9	3494.3	3648.7	3823.0	3980.8	4201.0	4286.5
12.5°	2856.5	2866.4	2935.4	3037.3	3152.4	3287.2	3415.4	3563.3	3730.9	3905.1	3970.9
15°	2981.5	2974.9	2997.9	3057.1	3122.8	3228.0	3346.3	3481.1	3642.2	3770.4	3823.0
17.5°	3070.2	3066.9	3109.7	3136.0	3198.4	3260.9	3379.2	3484.4	3642.2	3744.1	3773.7
20°	3198.4	3205.0	3218.1	3267.4	3293.7	3336.5	3408.8	3471.2	3606.0	3665.2	3658.6
22.5°	3267.4	3264.2	3320.0	3435.1	3464.7	3487.7	3500.8	3527.1	3602.7	3599.4	3550.1
25°	2649.5	2656.0	2669.2	2767.8	2892.7	3096.5	3264.2	3527.1	3668.5	3615.9	3510.7
27.5°	2475.2	2455.5	2386.5	2330.6	2163.0	2051.2	1946.0	1900.0	1923.0	1962.4	2070.9
30°	1686.3	1689.6	1696.2	1706.0	1722.5	1765.2	1794.8	1798.1	1821.1	1886.8	1863.8
32.5°	1689.6	1692.9	1683.0	1692.9	1686.3	1702.7	1699.5	1686.3	1706.0	1765.2	1742.2
35°	1587.7	1581.1	1587.7	1591.0	1554.8	1541.7	1538.4	1528.5	1541.7	1571.3	1551.5
37.5°	1429.9	1426.6	1456.2	1472.6	1443.1	1443.1	1436.5	1423.3	1433.2	1459.5	1433.2
40°	1291.9	1295.1	1337.9	1364.2	1354.3	1364.2	1374.0	1370.7	1393.8	1403.6	1370.7
42.5°	1140.6	1134.1	1176.8	1196.5	1176.8	1183.4	1180.1	1183.4	1229.4	1249.1	1226.1
45°	953.3	963.1	982.9	1009.2	1005.9	1015.7	1012.4	1019.0	1048.6	1058.5	1042.0
47.5°	848.1	854.7	877.7	907.3	923.7	940.1	940.1	943.4	963.1	966.4	950.0
50°	825.1	831.7	861.2	894.1	920.4	940.1	950.0	946.7	956.6	950.0	927.0
52.5°	864.5	864.5	910.5	950.0	982.9	1019.0	1032.2	1019.0	1019.0	992.7	956.6
55°	881.0	884.2	940.1	1009.2	1071.6	1137.4	1180.1	1176.8	1173.5	1130.8	1065.0
57.5°	828.4	838.2	894.1	973.0	1058.5	1163.7	1226.1	1236.0	1236.0	1180.1	1107.8
60°	752.8	759.3	802.1	867.8	953.3	1032.2	1097.9	1104.5	1124.2	1094.6	1028.9
62.5°	690.3	696.9	733.0	782.3	844.8	894.1	913.8	913.8	923.7	913.8	867.8
65°	644.3	647.6	677.2	719.9	762.6	802.1	821.8	815.2	828.4	815.2	779.1
67.5°	601.6	601.6	627.8	660.7	700.2	746.2	759.3	765.9	779.1	762.6	729.7
70°	558.8	562.1	588.4	614.7	650.9	683.7	696.9	700.2	716.6	696.9	673.9
72.5°	522.7	522.7	545.7	572.0	598.3	631.1	641.0	647.6	657.4	637.7	618.0
75°	479.9	483.2	502.9	525.9	549.0	581.8	591.7	595.0	604.8	581.8	562.1
77.5°	440.5	443.8	460.2	479.9	502.9	529.2	539.1	545.7	549.0	529.2	509.5
80°	401.0	404.3	417.5	437.2	456.9	483.2	489.8	493.1	499.6	476.6	463.5
82.5°	364.9	364.9	374.7	391.2	410.9	433.9	443.8	447.1	450.3	430.6	417.5
85°	322.1	322.1	332.0	348.4	364.9	387.9	397.7	401.0	401.0	384.6	371.4
87.5°	286.0	286.0	292.6	305.7	318.9	341.9	351.7	358.3	355.0	341.9	328.7
90°	249.8	249.8	256.4	266.3	279.4	299.1	309.0	312.3	312.3	295.8	286.0
92.5°	217.0	217.0	223.5	233.4	243.2	259.7	269.5	276.1	276.1	263.0	253.1
95°	187.4	187.4	190.7	200.5	210.4	223.5	230.1	236.7	236.7	230.1	220.2
97.5°	161.1	161.1	164.4	170.9	177.5	187.4	193.9	200.5	200.5	197.2	190.7
100°	141.3	141.3	141.3	144.6	151.2	154.5	161.1	167.6	167.6	164.4	161.1
102.5°	128.2	128.2	128.2	128.2	128.2	131.5	131.5	134.8	134.8	134.8	131.5
105°	121.6	121.6	121.6	121.6	121.6	121.6	121.6	121.6	118.3	115.1	111.8
107.5°	121.6	118.3	118.3	118.3	118.3	115.1	115.1	115.1	111.8	108.5	105.2
110°	121.6	121.6	121.6	121.6	118.3	115.1	115.1	111.8	108.5	105.2	101.9

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CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	128.2	128.2	128.2	124.9	121.6	121.6	118.3	115.1	111.8	105.2	101.9
115°	138.1	138.1	138.1	138.1	134.8	128.2	124.9	121.6	115.1	111.8	108.5
117.5°	154.5	154.5	154.5	154.5	147.9	144.6	138.1	134.8	128.2	121.6	118.3
120°	174.2	174.2	177.5	177.5	174.2	167.6	157.8	154.5	147.9	138.1	131.5
122.5°	203.8	200.5	207.1	207.1	207.1	200.5	187.4	180.8	174.2	161.1	154.5
125°	233.4	233.4	240.0	246.5	249.8	240.0	226.8	217.0	207.1	190.7	180.8
127.5°	266.3	266.3	279.4	292.6	299.1	289.3	272.8	263.0	249.8	226.8	213.7
130°	299.1	299.1	318.9	338.6	348.4	341.9	325.4	312.3	295.8	266.3	249.8
132.5°	328.7	328.7	351.7	378.0	391.2	387.9	371.4	358.3	345.2	309.0	286.0
135°	351.7	355.0	384.6	414.2	430.6	433.9	417.5	401.0	384.6	345.2	318.9
137.5°	364.9	371.4	401.0	437.2	453.6	463.5	453.6	437.2	417.5	374.7	345.2
140°	368.2	371.4	404.3	440.5	456.9	470.1	470.1	450.3	433.9	391.2	358.3
142.5°	358.3	361.6	394.5	427.3	443.8	460.2	463.5	447.1	430.6	391.2	358.3
145°	335.3	341.9	371.4	397.7	420.8	437.2	443.8	433.9	414.2	378.0	348.4
147.5°	305.7	309.0	335.3	358.3	381.3	401.0	410.9	401.0	384.6	351.7	325.4
150°	259.7	263.0	282.7	302.4	328.7	348.4	361.6	355.0	341.9	315.6	289.3
152.5°	210.4	210.4	226.8	243.2	266.3	286.0	299.1	295.8	286.0	263.0	243.2
155°	161.1	161.1	170.9	184.1	203.8	217.0	230.1	230.1	223.5	207.1	190.7
157.5°	115.1	115.1	124.9	134.8	147.9	161.1	170.9	170.9	167.6	154.5	144.6
160°	75.6	75.6	82.2	88.8	101.9	108.5	118.3	118.3	115.1	108.5	101.9
162.5°	39.4	39.4	46.0	49.3	59.2	65.7	72.3	75.6	75.6	69.0	65.7
165°	13.1	13.1	13.1	16.4	23.0	29.6	32.9	36.2	36.2	32.9	32.9
167.5°	3.3	3.3	3.3	3.3	3.3	3.3	6.6	9.9	9.9	9.9	9.9
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°	178°	180°
0°	6298.2	6298.2	6298.2	6298.2	6298.2	6298.2	6298.2	6298.2	6298.2	6298.2	6298.2
2.5°	5847.9	6147.0	6403.4	6672.9	6972.1	7225.2	7481.6	7622.9	7744.6	7721.5	7721.5
5°	5502.7	5801.8	6114.1	6442.8	6847.2	7261.3	7655.8	7938.5	8086.4	8109.4	8106.1
7.5°	4930.7	5210.1	5506.0	5870.9	6344.2	6850.4	7386.3	7830.0	8109.4	8162.0	8171.9
10°	4365.3	4575.7	4825.6	5075.4	5499.4	5962.9	6442.8	6797.8	7070.7	7110.1	7156.1
12.5°	4026.8	4141.8	4302.9	4477.1	4753.2	5091.8	5486.3	5690.1	5864.3	5884.0	5926.8
15°	3852.6	3908.4	3947.9	4010.3	4174.7	4385.1	4565.9	4766.4	4838.7	4888.0	4911.0
17.5°	3783.5	3776.9	3737.5	3737.5	3750.7	3829.5	3944.6	4013.6	4059.6	4082.7	4089.2
20°	3642.2	3583.0	3504.1	3398.9	3343.0	3316.7	3346.3	3362.8	3349.6	3333.2	3362.8
22.5°	3494.3	3369.3	3228.0	3106.4	2961.7	2873.0	2787.5	2757.9	2721.8	2744.8	2744.8
25°	3448.2	3228.0	3001.2	2797.4	2580.4	2432.5	2274.7	2218.8	2163.0	2209.0	2209.0
27.5°	2038.0	2038.0	1909.8	1738.9	1551.5	1472.6	1410.2	1374.0	1351.0	1360.9	1360.9
30°	1824.4	1738.9	1660.0	1551.5	1406.9	1311.6	1229.4	1180.1	1157.1	1150.5	1157.1
32.5°	1692.9	1627.1	1531.8	1423.3	1295.1	1190.0	1097.9	1048.6	1012.4	1019.0	1022.3
35°	1515.4	1446.4	1364.2	1262.3	1153.8	1055.2	973.0	923.7	890.8	890.8	894.1
37.5°	1403.6	1334.6	1255.7	1163.7	1058.5	963.1	887.5	828.4	798.8	795.5	795.5
40°	1334.6	1265.6	1193.2	1101.2	1002.6	904.0	828.4	775.8	739.6	739.6	742.9
42.5°	1209.7	1143.9	1081.5	999.3	910.5	825.1	752.8	706.7	670.6	664.0	670.6
45°	1019.0	982.9	933.6	877.7	802.1	733.0	667.3	627.8	598.3	598.3	595.0
47.5°	933.6	897.4	844.8	788.9	726.5	657.4	604.8	568.7	542.4	542.4	542.4
50°	900.7	861.2	795.5	733.0	660.7	601.6	555.5	519.4	499.6	499.6	496.4
52.5°	917.1	854.7	769.2	680.4	611.4	552.2	506.2	470.1	453.6	453.6	450.3
55°	1005.9	894.1	769.2	660.7	578.5	512.8	466.8	427.3	410.9	410.9	410.9
57.5°	1042.0	917.1	762.6	641.0	549.0	479.9	424.0	387.9	371.4	371.4	368.2
60°	976.3	871.1	729.7	614.7	525.9	456.9	404.3	368.2	348.4	348.4	345.2
62.5°	831.7	756.0	647.6	562.1	493.1	430.6	384.6	348.4	332.0	332.0	332.0
65°	746.2	680.4	595.0	519.4	456.9	404.3	361.6	332.0	315.6	315.6	315.6
67.5°	696.9	641.0	555.5	483.2	420.8	371.4	332.0	305.7	292.6	289.3	292.6
70°	644.3	585.1	506.2	437.2	381.3	335.3	299.1	272.8	259.7	259.7	259.7
72.5°	588.4	532.5	456.9	394.5	338.6	302.4	266.3	243.2	230.1	230.1	226.8
75°	535.8	479.9	407.6	348.4	302.4	266.3	236.7	217.0	203.8	203.8	203.8
77.5°	486.5	433.9	364.9	312.3	269.5	240.0	210.4	193.9	184.1	184.1	180.8
80°	440.5	391.2	325.4	279.4	240.0	213.7	187.4	174.2	164.4	164.4	164.4
82.5°	394.5	348.4	289.3	246.5	213.7	187.4	167.6	154.5	147.9	144.6	147.9
85°	351.7	309.0	256.4	217.0	187.4	164.4	147.9	134.8	128.2	128.2	128.2
87.5°	312.3	272.8	226.8	190.7	164.4	144.6	128.2	118.3	115.1	111.8	111.8
90°	269.5	233.4	193.9	164.4	141.3	124.9	108.5	101.9	95.3	95.3	95.3
92.5°	240.0	210.4	174.2	147.9	128.2	115.1	101.9	95.3	88.8	88.8	88.8
95°	210.4	184.1	154.5	134.8	118.3	105.2	95.3	88.8	85.5	85.5	85.5
97.5°	180.8	161.1	138.1	121.6	108.5	98.6	88.8	82.2	78.9	78.9	78.9
100°	151.2	138.1	121.6	108.5	98.6	88.8	78.9	75.6	72.3	72.3	72.3
102.5°	124.9	115.1	101.9	92.0	82.2	75.6	69.0	65.7	62.5	62.5	62.5
105°	108.5	101.9	92.0	82.2	75.6	69.0	62.5	55.9	55.9	55.9	55.9
107.5°	101.9	92.0	85.5	78.9	72.3	62.5	59.2	52.6	49.3	49.3	49.3
110°	98.6	92.0	85.5	75.6	69.0	62.5	55.9	49.3	46.0	46.0	46.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	98.6	92.0	85.5	78.9	72.3	62.5	59.2	46.0	42.7	42.7	42.7
115°	105.2	98.6	88.8	82.2	72.3	65.7	59.2	46.0	42.7	42.7	42.7
117.5°	111.8	105.2	95.3	88.8	78.9	69.0	59.2	46.0	42.7	42.7	42.7
120°	128.2	118.3	105.2	95.3	85.5	72.3	62.5	46.0	39.4	42.7	42.7
122.5°	144.6	134.8	118.3	105.2	92.0	78.9	62.5	46.0	39.4	42.7	42.7
125°	170.9	154.5	134.8	118.3	98.6	82.2	65.7	46.0	36.2	39.4	42.7
127.5°	200.5	180.8	154.5	131.5	108.5	85.5	65.7	46.0	36.2	39.4	39.4
130°	233.4	207.1	174.2	141.3	115.1	88.8	65.7	46.0	36.2	39.4	39.4
132.5°	266.3	230.1	190.7	154.5	121.6	92.0	65.7	42.7	36.2	36.2	36.2
135°	292.6	249.8	203.8	161.1	124.9	92.0	62.5	42.7	32.9	32.9	32.9
137.5°	315.6	266.3	213.7	164.4	124.9	88.8	59.2	39.4	29.6	29.6	29.6
140°	328.7	272.8	217.0	161.1	118.3	85.5	55.9	36.2	26.3	26.3	26.3
142.5°	328.7	269.5	210.4	157.8	111.8	78.9	49.3	29.6	23.0	23.0	23.0
145°	315.6	256.4	200.5	147.9	101.9	69.0	42.7	26.3	19.7	19.7	19.7
147.5°	295.8	236.7	184.1	134.8	92.0	59.2	36.2	23.0	16.4	16.4	16.4
150°	263.0	210.4	161.1	115.1	78.9	49.3	29.6	19.7	13.1	13.1	13.1
152.5°	220.2	174.2	134.8	95.3	65.7	39.4	26.3	13.1	9.9	9.9	9.9
155°	174.2	138.1	105.2	75.6	49.3	29.6	19.7	13.1	6.6	6.6	6.6
157.5°	131.5	101.9	78.9	55.9	36.2	23.0	13.1	9.9	6.6	6.6	6.6
160°	92.0	72.3	52.6	36.2	23.0	16.4	9.9	6.6	3.3	3.3	3.3
162.5°	59.2	46.0	32.9	23.0	13.1	9.9	6.6	3.3	3.3	3.3	0.0
165°	29.6	23.0	16.4	9.9	6.6	3.3	3.3	3.3	0.0	0.0	0.0
167.5°	6.6	6.6	6.6	3.3	3.3	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)