

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: P691957

Luminaire Tested: **CRTK2-C01HO-D-U-T2-8027-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691957
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-8)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T2-8027-RMARROA5-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND NEMA REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7384 lumens
Efficiency: N/A
Efficacy: 93.5 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

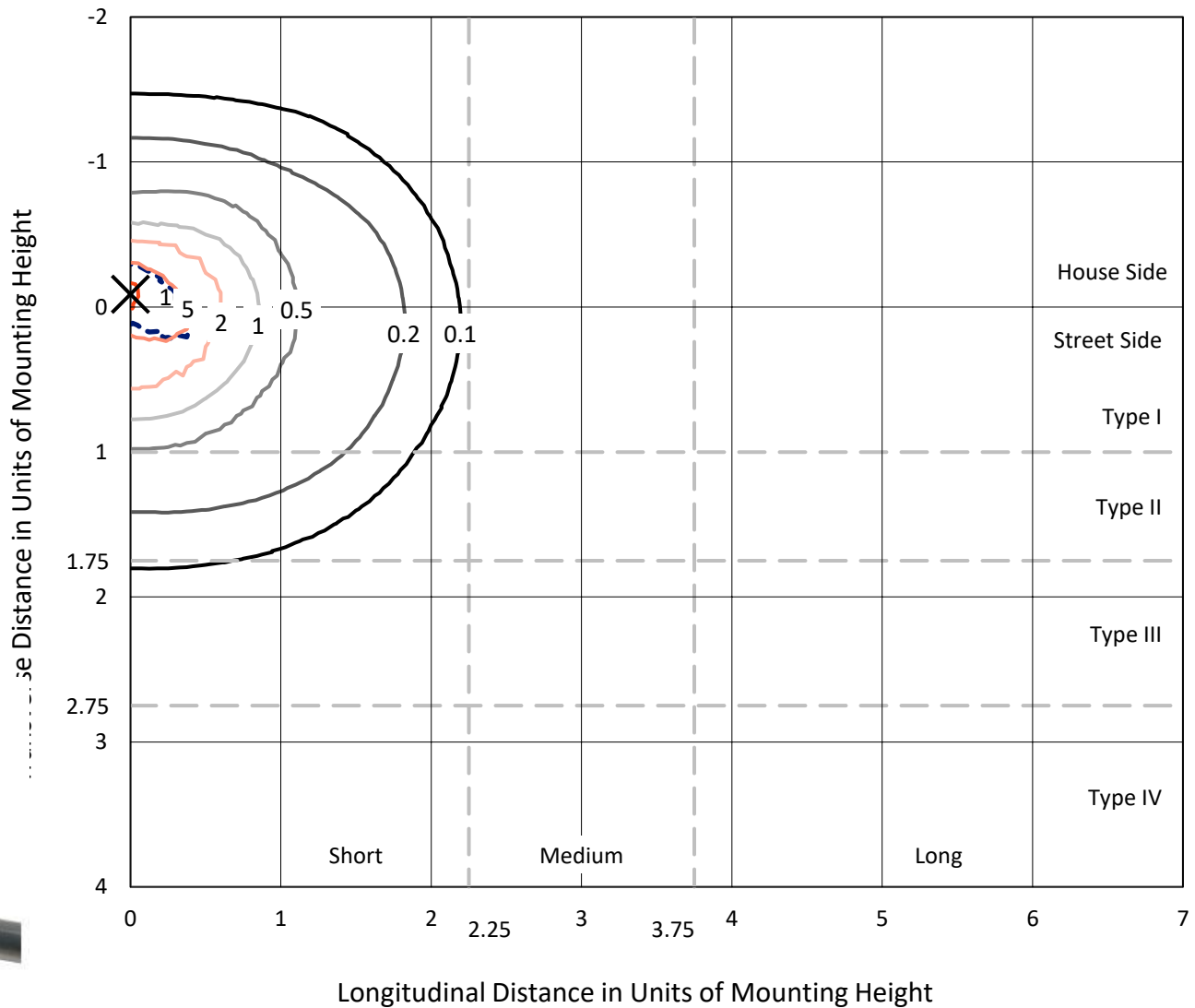


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

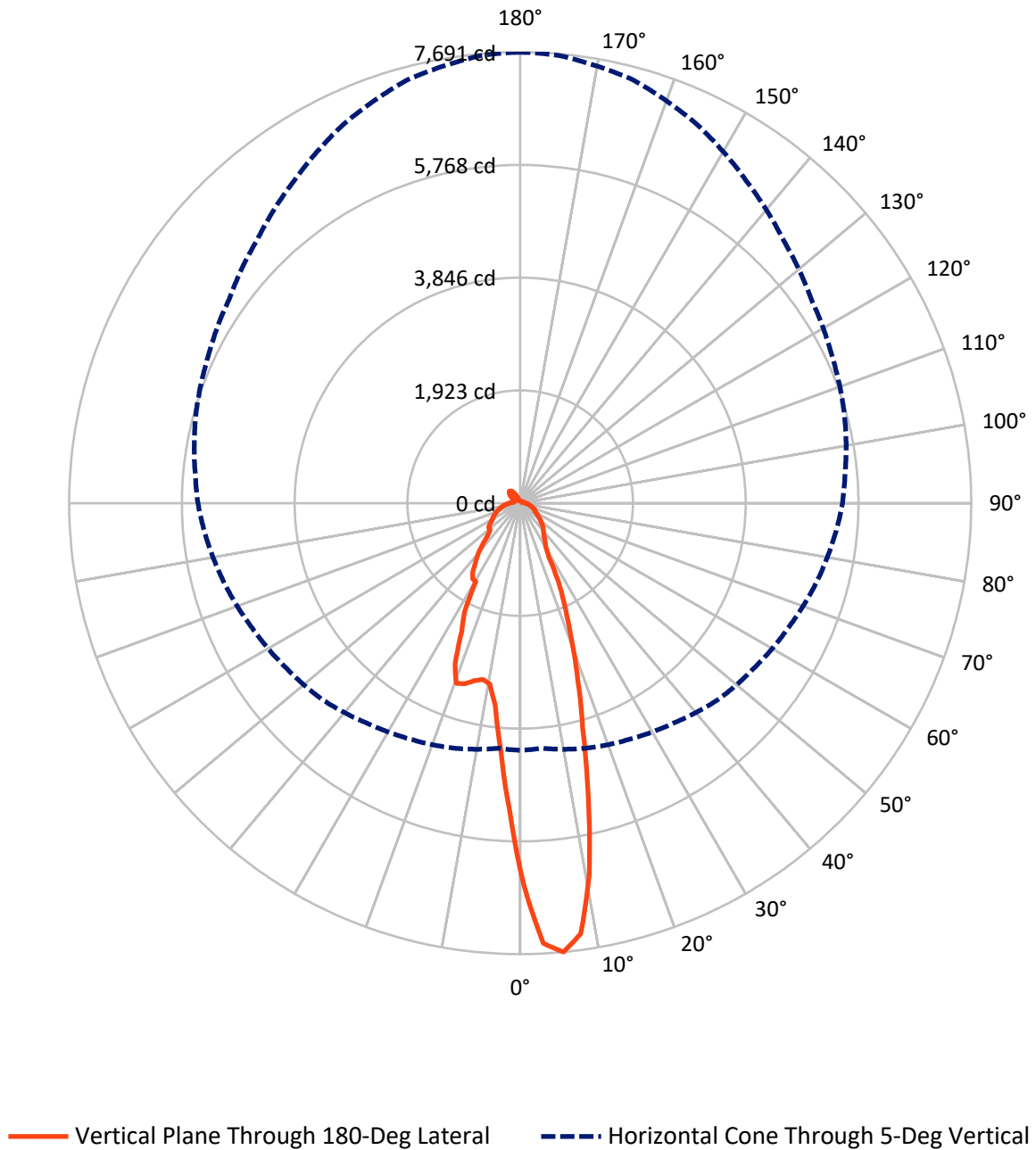


Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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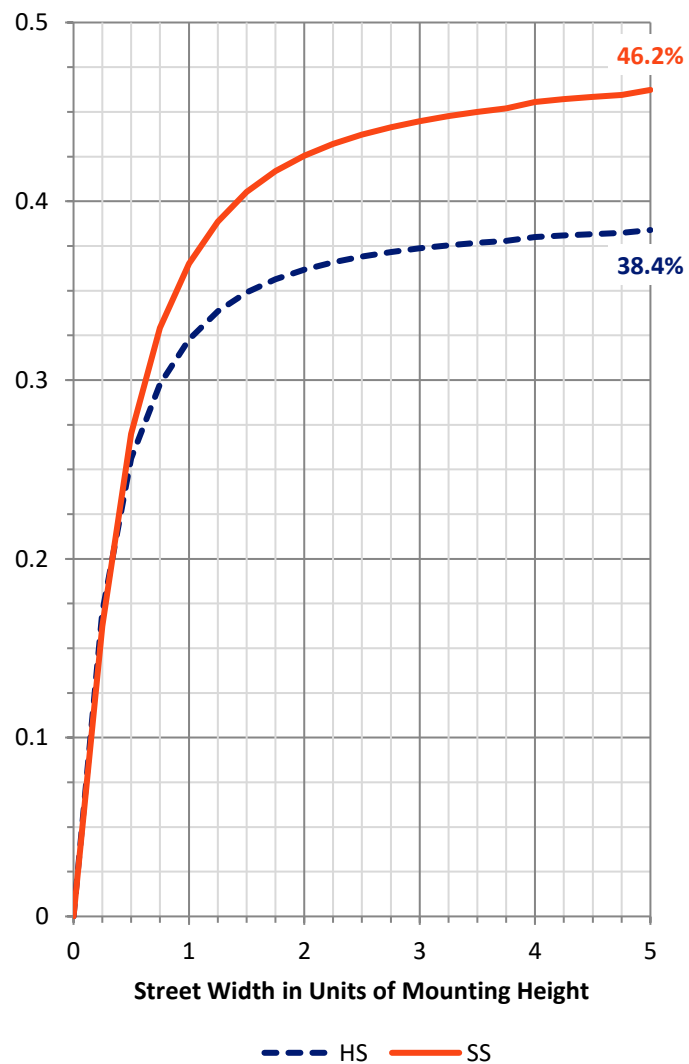
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2909.9	341.6	3251.6
	% Fixture	39.4	4.6	44.0
Street Side	Lumens	3497.3	635.1	4132.4
	% Fixture	47.4	8.6	56.0
Total	Lumens	6407.2	976.8	7384.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	502.5	6.8
10°-20°	1066.2	14.4
20°-30°	1160.3	15.7
30°-40°	849.4	11.5
40°-50°	714.1	9.7
50°-60°	725.2	9.8
60°-70°	616.4	8.3
70°-80°	460.0	6.2
80°-90°	313.1	4.2
90°-100°	188.0	2.5
100°-110°	107.8	1.5
110°-120°	99.2	1.3
120°-130°	144.2	2.0
130°-140°	198.3	2.7
140°-150°	164.1	2.2
150°-160°	66.8	0.9
160°-170°	8.3	0.1
170°-180°	0.0	0.0
0°-90°	6407.2	86.8
0°-180°	7384.0	100.0

Coefficient of Utilization



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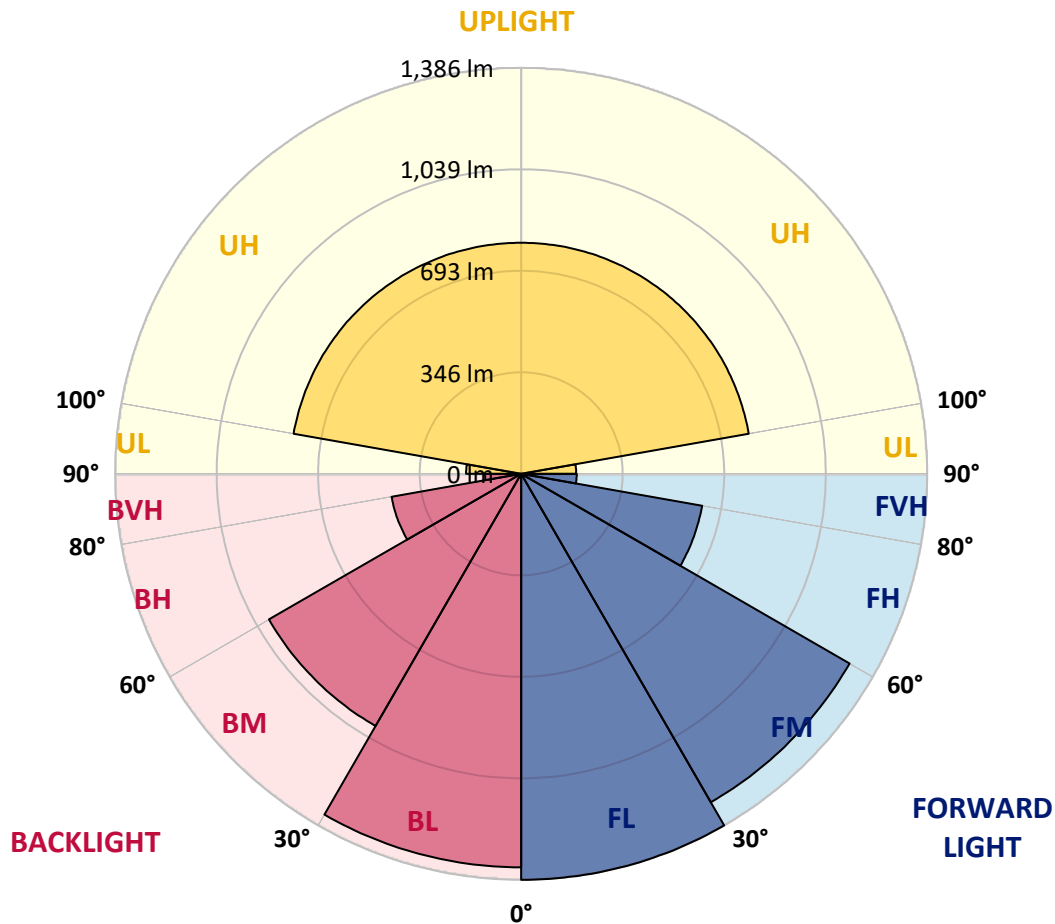
CATALOG NUMBER: CRTK2-C01HO-D-U-T2-8027-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1385.9	18.8			
FM	(30°-60°)	1294.5	17.5			
FH	(60°-80°)	627.3	8.5			G0/660
FVH	(80°-90°)	189.6	2.6			G2/225
BL	(0°-30°)	1343.1	18.2	B3/2500		
BM	(30°-60°)	994.1	13.5	B1/1000		
BH	(60°-80°)	449.2	6.1	B1/500		G1/500
BVH	(80°-90°)	123.5	1.7			G2/225
UL	(90°-100°)	188.0	2.5		U3/500	
UH	(100°-180°)	788.7	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°	6491.1	6491.1	6491.1	6491.1	6491.1	6491.1	6491.1	6491.1	6491.1	6491.1	6491.1
2.5°	5234.9	5225.1	5297.4	5313.9	5320.4	5396.1	5498.0	5567.1	5692.0	5813.7	5863.0
5°	4215.6	4195.9	4327.4	4439.2	4574.0	4751.6	4883.1	5040.9	5228.4	5409.2	5494.7
7.5°	3475.7	3502.0	3689.5	3919.6	4136.7	4347.1	4508.2	4643.1	4751.6	4866.7	4889.7
10°	3127.2	3150.2	3334.3	3554.6	3755.2	3969.0	4107.1	4222.2	4291.2	4376.7	4406.3
12.5°	3071.3	3087.7	3212.7	3367.2	3518.5	3712.5	3886.8	4015.0	4093.9	4163.0	4169.5
15°	3127.2	3133.7	3209.4	3311.3	3442.8	3604.0	3804.5	3949.2	4038.0	4067.6	4061.0
17.5°	3219.2	3219.2	3255.4	3340.9	3465.9	3620.4	3811.1	3959.1	4051.2	4064.3	4038.0
20°	3258.7	3265.3	3288.3	3383.6	3495.4	3636.8	3827.6	3952.5	4024.9	3988.7	3942.7
22.5°	2962.7	2949.6	3012.1	3212.7	3462.6	3715.8	3896.6	4038.0	4077.5	3955.8	3857.2
25°	2397.2	2403.7	2443.2	2541.8	2735.9	2969.3	3370.5	3801.3	4100.5	4054.5	3906.5
27.5°	2091.3	2071.6	2081.5	2097.9	2071.6	2022.3	2068.3	2058.5	2051.9	2170.3	2183.4
30°	1535.6	1538.9	1555.4	1585.0	1647.4	1739.5	1838.2	1894.1	1943.4	2035.4	2022.3
32.5°	1525.8	1529.1	1538.9	1565.2	1598.1	1660.6	1723.1	1746.1	1798.7	1874.3	1851.3
35°	1427.1	1417.3	1443.6	1466.6	1476.4	1502.7	1552.1	1585.0	1617.8	1670.4	1657.3
37.5°	1266.0	1269.3	1321.9	1358.1	1367.9	1404.1	1450.1	1476.4	1512.6	1558.6	1535.6
40°	1127.9	1131.2	1193.6	1233.1	1256.1	1305.4	1374.5	1407.4	1466.6	1502.7	1476.4
42.5°	970.0	983.2	1025.9	1072.0	1085.1	1114.7	1160.8	1203.5	1279.1	1328.5	1312.0
45°	808.9	815.5	845.1	891.1	910.9	943.7	986.5	1025.9	1085.1	1124.6	1121.3
47.5°	713.6	720.1	746.4	785.9	825.4	868.1	914.1	953.6	1009.5	1042.4	1029.2
50°	674.1	680.7	713.6	759.6	808.9	864.8	920.7	963.5	1016.1	1035.8	1019.4
52.5°	680.7	680.7	726.7	785.9	855.0	930.6	999.6	1052.3	1095.0	1108.2	1072.0
55°	644.5	654.4	703.7	785.9	891.1	1009.5	1127.9	1239.7	1302.2	1289.0	1220.0
57.5°	588.6	598.5	634.6	723.4	835.2	976.6	1144.3	1282.4	1358.1	1367.9	1298.9
60°	555.7	562.3	595.2	664.2	762.9	878.0	1029.2	1141.0	1226.5	1252.8	1203.5
62.5°	526.1	532.7	559.0	611.6	684.0	772.7	858.2	930.6	999.6	1025.9	1006.2
65°	493.2	496.5	522.8	568.9	628.1	703.7	776.0	828.6	884.5	901.0	878.0
67.5°	460.4	463.6	486.7	529.4	585.3	654.4	710.3	769.5	825.4	838.5	822.1
70°	430.8	434.1	453.8	493.2	542.6	608.3	660.9	700.4	756.3	769.5	749.7
72.5°	401.2	404.5	424.2	460.4	506.4	565.6	611.6	651.1	697.1	700.4	684.0
75°	371.6	374.9	391.3	424.2	463.6	522.8	565.6	598.5	637.9	637.9	618.2
77.5°	338.7	345.3	358.4	388.0	424.2	480.1	519.5	552.4	585.3	582.0	562.3
80°	309.1	312.4	325.5	351.8	384.7	437.3	476.8	503.1	532.7	529.4	513.0
82.5°	276.2	279.5	289.4	315.7	345.3	394.6	434.1	460.4	486.7	480.1	463.6
85°	243.3	246.6	259.8	279.5	309.1	355.1	391.3	417.6	437.3	430.8	417.6
87.5°	217.0	217.0	226.9	246.6	272.9	315.7	348.6	374.9	391.3	388.0	374.9
90°	187.4	190.7	197.3	213.7	236.8	272.9	305.8	328.8	345.3	338.7	325.5
92.5°	164.4	164.4	171.0	187.4	207.2	240.0	269.6	289.4	302.5	299.2	289.4
95°	141.4	144.7	148.0	161.1	177.6	203.9	230.2	249.9	263.1	259.8	253.2
97.5°	125.0	128.2	131.5	138.1	154.5	171.0	194.0	210.5	223.6	220.3	213.7
100°	115.1	115.1	115.1	121.7	131.5	144.7	161.1	174.3	180.9	184.1	177.6
102.5°	105.2	105.2	108.5	108.5	115.1	121.7	131.5	141.4	144.7	144.7	144.7
105°	101.9	101.9	105.2	105.2	108.5	111.8	118.4	121.7	125.0	125.0	121.7
107.5°	101.9	101.9	101.9	101.9	105.2	108.5	111.8	115.1	115.1	115.1	111.8
110°	105.2	105.2	105.2	105.2	105.2	108.5	108.5	111.8	111.8	108.5	108.5

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CATALOG NUMBER: CRTK2-C01HO-D-U-T2-8027-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	108.5	108.5	108.5	108.5	108.5	111.8	111.8	111.8	111.8	108.5	108.5
115°	115.1	115.1	115.1	118.4	118.4	118.4	118.4	118.4	118.4	115.1	111.8
117.5°	128.2	128.2	128.2	128.2	131.5	131.5	131.5	131.5	131.5	125.0	125.0
120°	144.7	141.4	144.7	148.0	151.3	151.3	151.3	151.3	151.3	144.7	141.4
122.5°	161.1	161.1	164.4	171.0	177.6	180.9	177.6	177.6	177.6	167.7	164.4
125°	180.9	180.9	190.7	203.9	213.7	217.0	213.7	213.7	213.7	203.9	197.3
127.5°	203.9	203.9	217.0	236.8	253.2	263.1	259.8	259.8	259.8	243.3	233.5
130°	226.9	226.9	246.6	272.9	299.2	305.8	309.1	312.4	312.4	292.7	279.5
132.5°	243.3	246.6	269.6	305.8	338.7	348.6	358.4	361.7	361.7	338.7	319.0
135°	259.8	263.1	292.7	335.4	371.6	394.6	404.5	407.7	411.0	384.7	361.7
137.5°	269.6	272.9	305.8	355.1	391.3	420.9	443.9	450.5	450.5	420.9	391.3
140°	269.6	272.9	309.1	355.1	394.6	430.8	457.1	470.2	470.2	440.6	414.3
142.5°	263.1	269.6	302.5	348.6	388.0	424.2	453.8	466.9	466.9	440.6	414.3
145°	249.9	253.2	286.1	325.5	365.0	407.7	440.6	453.8	453.8	427.5	401.2
147.5°	226.9	230.2	256.5	292.7	332.1	374.9	407.7	424.2	420.9	397.9	374.9
150°	197.3	197.3	220.3	249.9	289.4	328.8	361.7	378.2	378.2	355.1	335.4
152.5°	161.1	161.1	177.6	200.6	233.5	272.9	299.2	315.7	315.7	299.2	282.8
155°	125.0	125.0	138.1	154.5	180.9	210.5	230.2	246.6	246.6	233.5	220.3
157.5°	88.8	88.8	101.9	115.1	134.8	157.8	174.3	184.1	187.4	174.3	167.7
160°	59.2	59.2	65.8	75.6	92.1	108.5	118.4	128.2	131.5	121.7	118.4
162.5°	32.9	32.9	36.2	46.0	55.9	65.8	75.6	82.2	82.2	78.9	75.6
165°	9.9	9.9	13.2	16.4	23.0	29.6	32.9	36.2	39.5	39.5	36.2
167.5°	0.0	0.0	3.3	3.3	3.3	3.3	6.6	6.6	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°	179°	180°
0°	6491.1	6491.1	6491.1	6491.1	6491.1	6491.1	6491.1	6491.1	6491.1	6491.1	6491.1
2.5°	5964.9	6149.1	6349.7	6543.7	6780.4	7027.1	7254.0	7408.5	7490.7	7517.0	7517.0
5°	5560.5	5728.2	5876.2	6060.3	6346.4	6718.0	7129.0	7471.0	7665.0	7688.0	7691.3
7.5°	4929.1	5067.2	5221.8	5386.2	5639.4	5971.5	6514.1	7066.5	7382.2	7441.4	7418.4
10°	4412.9	4498.4	4590.4	4652.9	4830.5	5077.1	5445.4	5988.0	6376.0	6422.0	6454.9
12.5°	4172.8	4186.0	4159.7	4172.8	4232.0	4347.1	4528.0	4840.4	5093.6	5136.3	5159.3
15°	4051.2	3985.4	3880.2	3781.5	3728.9	3738.8	3778.2	3906.5	3949.2	4021.6	3988.7
17.5°	3995.3	3847.3	3682.9	3492.2	3373.8	3252.1	3186.3	3163.3	3146.9	3150.2	3179.8
20°	3853.9	3686.2	3423.1	3173.2	2982.5	2814.8	2673.4	2571.4	2515.5	2489.2	2509.0
22.5°	3705.9	3446.1	3137.0	2867.4	2594.5	2380.7	2219.6	2071.6	1989.4	2012.4	1986.1
25°	3709.2	3321.2	2952.9	2597.7	2341.3	2058.5	1802.0	1647.4	1512.6	1538.9	1575.1
27.5°	2338.0	2236.0	1973.0	1765.8	1509.3	1367.9	1239.7	1131.2	1055.5	1058.8	1049.0
30°	1982.8	1877.6	1746.1	1581.7	1387.7	1223.2	1075.3	950.3	878.0	858.2	855.0
32.5°	1831.6	1742.8	1621.1	1460.0	1282.4	1118.0	970.0	855.0	782.6	779.3	779.3
35°	1631.0	1548.8	1446.8	1308.7	1157.5	1006.2	868.1	769.5	710.3	710.3	707.0
37.5°	1506.0	1433.7	1335.0	1206.8	1072.0	920.7	799.1	710.3	647.8	644.5	647.8
40°	1440.3	1364.6	1269.3	1147.6	1012.8	868.1	753.0	660.9	614.9	611.6	608.3
42.5°	1308.7	1249.5	1167.3	1055.5	937.2	808.9	700.4	618.2	578.7	575.4	578.7
45°	1111.4	1068.7	1012.8	930.6	831.9	723.4	628.1	565.6	526.1	526.1	526.1
47.5°	1019.4	979.9	917.4	835.2	749.7	647.8	568.9	516.3	480.1	480.1	480.1
50°	996.4	947.0	864.8	772.7	680.7	591.9	519.5	466.9	440.6	437.3	440.6
52.5°	1029.2	953.6	841.8	733.3	631.4	545.9	476.8	427.5	401.2	401.2	401.2
55°	1147.6	1009.5	861.5	723.4	601.8	506.4	437.3	388.0	361.7	358.4	361.7
57.5°	1226.5	1052.3	868.1	713.6	582.0	480.1	404.5	351.8	325.5	322.3	325.5
60°	1157.5	1016.1	838.5	687.3	565.6	460.4	381.4	328.8	302.5	299.2	299.2
62.5°	960.2	878.0	749.7	621.5	522.8	430.8	358.4	309.1	282.8	279.5	282.8
65°	851.7	779.3	667.5	565.6	480.1	401.2	338.7	295.9	269.6	269.6	269.6
67.5°	792.5	726.7	621.5	522.8	443.9	371.6	312.4	272.9	249.9	249.9	249.9
70°	723.4	657.7	562.3	473.5	401.2	338.7	286.1	246.6	226.9	223.6	226.9
72.5°	664.2	598.5	509.7	427.5	361.7	305.8	259.8	223.6	207.2	203.9	207.2
75°	598.5	536.0	450.5	378.2	322.3	272.9	233.5	200.6	187.4	184.1	184.1
77.5°	542.6	483.4	404.5	338.7	289.4	243.3	207.2	184.1	171.0	167.7	167.7
80°	493.2	437.3	361.7	302.5	256.5	217.0	187.4	164.4	151.3	151.3	151.3
82.5°	440.6	391.3	322.3	266.4	226.9	194.0	164.4	144.7	134.8	134.8	134.8
85°	397.9	348.6	282.8	236.8	197.3	167.7	144.7	128.2	118.4	118.4	118.4
87.5°	351.8	309.1	249.9	207.2	174.3	148.0	125.0	108.5	105.2	101.9	101.9
90°	305.8	266.4	213.7	177.6	148.0	125.0	105.2	92.1	88.8	85.5	85.5
92.5°	272.9	236.8	194.0	161.1	134.8	111.8	98.6	85.5	82.2	82.2	78.9
95°	236.8	207.2	171.0	144.7	121.7	105.2	92.1	82.2	78.9	78.9	75.6
97.5°	203.9	177.6	151.3	131.5	111.8	98.6	85.5	78.9	72.3	72.3	72.3
100°	171.0	151.3	131.5	111.8	101.9	88.8	78.9	72.3	69.1	65.8	65.8
102.5°	138.1	125.0	108.5	98.6	85.5	75.6	69.1	62.5	59.2	59.2	59.2
105°	118.4	108.5	98.6	88.8	78.9	69.1	62.5	55.9	52.6	52.6	52.6
107.5°	108.5	101.9	92.1	82.2	75.6	65.8	59.2	49.3	46.0	49.3	49.3
110°	105.2	98.6	88.8	82.2	72.3	65.8	59.2	46.0	42.7	46.0	46.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	105.2	98.6	92.1	82.2	75.6	65.8	59.2	46.0	42.7	42.7	42.7
115°	108.5	105.2	95.4	88.8	78.9	69.1	59.2	46.0	42.7	42.7	42.7
117.5°	121.7	115.1	105.2	95.4	85.5	72.3	62.5	46.0	42.7	42.7	42.7
120°	134.8	128.2	118.4	105.2	92.1	78.9	65.8	46.0	39.5	42.7	42.7
122.5°	157.8	148.0	134.8	118.4	101.9	85.5	65.8	49.3	36.2	42.7	42.7
125°	187.4	174.3	154.5	131.5	111.8	92.1	69.1	49.3	39.5	42.7	42.7
127.5°	220.3	203.9	177.6	148.0	121.7	95.4	72.3	49.3	39.5	39.5	42.7
130°	263.1	236.8	200.6	164.4	131.5	101.9	72.3	49.3	39.5	39.5	39.5
132.5°	299.2	266.4	220.3	177.6	138.1	105.2	72.3	49.3	36.2	36.2	36.2
135°	335.4	292.7	236.8	187.4	144.7	105.2	72.3	46.0	36.2	36.2	36.2
137.5°	365.0	309.1	249.9	190.7	144.7	101.9	69.1	42.7	32.9	32.9	32.9
140°	381.4	319.0	253.2	190.7	138.1	98.6	62.5	39.5	29.6	29.6	29.6
142.5°	381.4	315.7	249.9	184.1	131.5	92.1	55.9	32.9	26.3	26.3	26.3
145°	368.3	302.5	236.8	174.3	121.7	82.2	49.3	29.6	19.7	19.7	23.0
147.5°	345.3	279.5	217.0	157.8	108.5	69.1	42.7	23.0	16.4	16.4	16.4
150°	305.8	246.6	187.4	138.1	92.1	59.2	36.2	19.7	13.2	13.2	13.2
152.5°	256.5	203.9	157.8	115.1	75.6	46.0	26.3	16.4	9.9	9.9	9.9
155°	203.9	161.1	125.0	88.8	55.9	36.2	19.7	13.2	9.9	9.9	9.9
157.5°	151.3	121.7	92.1	65.8	42.7	26.3	16.4	9.9	6.6	6.6	6.6
160°	105.2	85.5	62.5	42.7	26.3	16.4	9.9	6.6	3.3	3.3	3.3
162.5°	69.1	52.6	39.5	26.3	16.4	9.9	6.6	3.3	3.3	3.3	3.3
165°	32.9	26.3	19.7	13.2	6.6	6.6	3.3	3.3	0.0	0.0	0.0
167.5°	9.9	6.6	3.3	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)