

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: P691926

Luminaire Tested: **CRTK2-C01H-D-U-T5R-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691926
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-23)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T5R-8027-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7540 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B3 - U4 - G2

Input Watts (W): 70.2
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



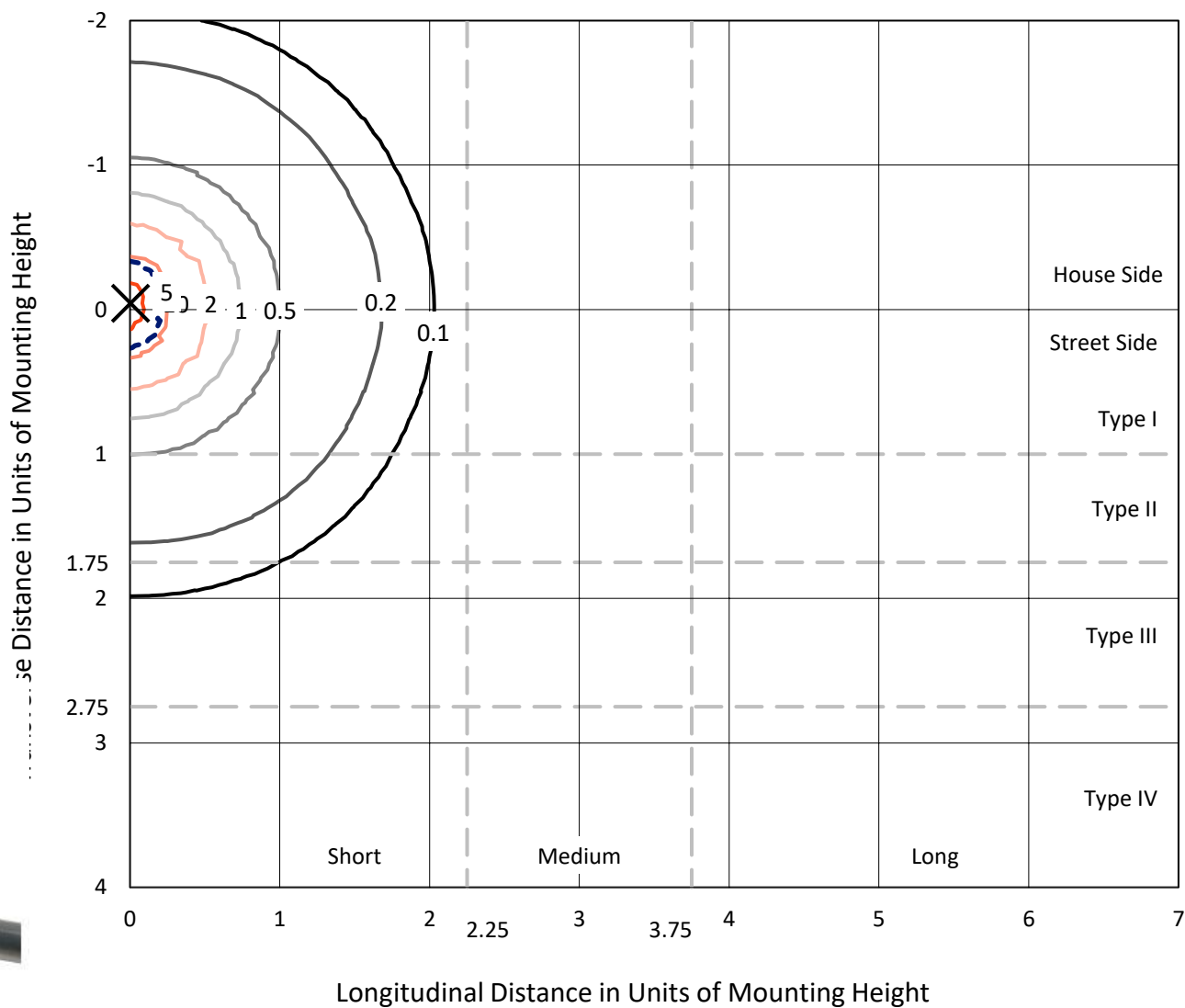
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

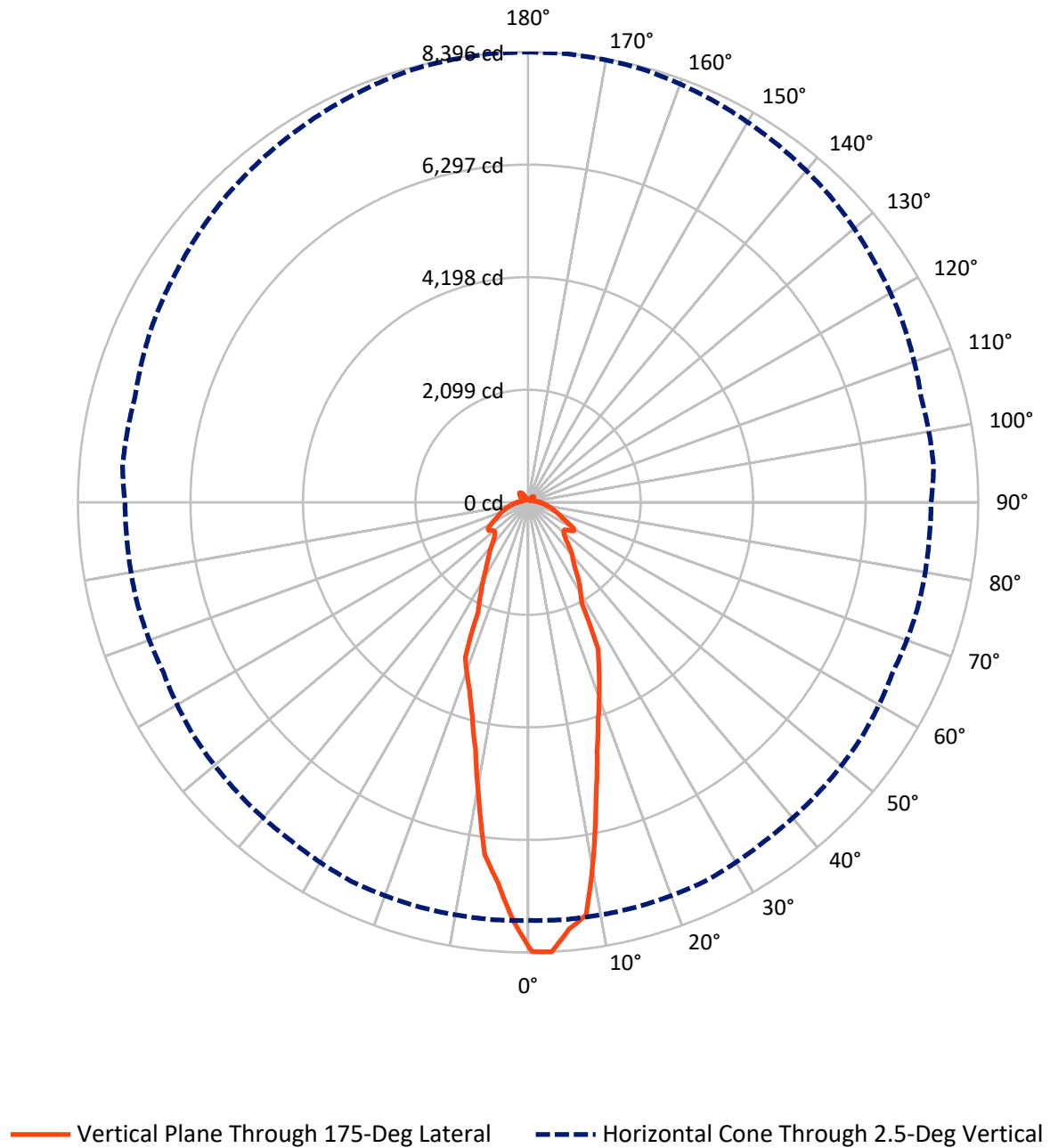


Based on 25 foot mounting height. Maximum calculated value = 13.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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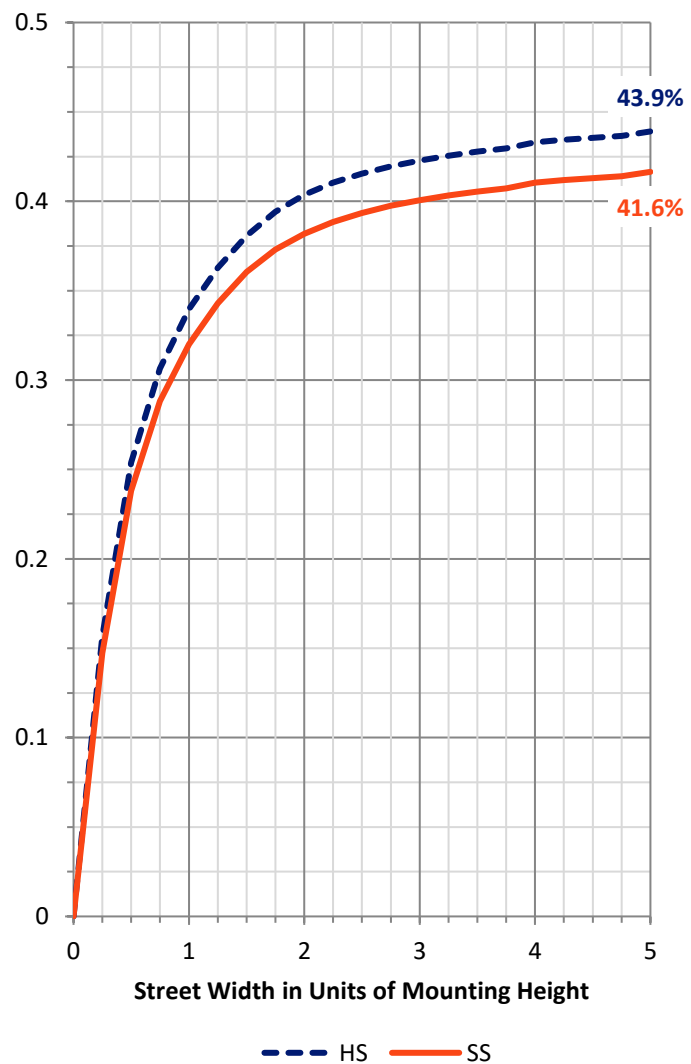
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3412.5	450.8	3863.3
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	3214.0	462.7	3676.7
	% Fixture	42.6	6.1	48.8
Total	Lumens	6626.5	913.5	7540.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	623.8	8.3
10°-20°	1094.9	14.5
20°-30°	1085.7	14.4
30°-40°	836.9	11.1
40°-50°	717.5	9.5
50°-60°	802.5	10.6
60°-70°	687.5	9.1
70°-80°	473.1	6.3
80°-90°	304.5	4.0
90°-100°	182.5	2.4
100°-110°	108.6	1.4
110°-120°	100.5	1.3
120°-130°	143.4	1.9
130°-140°	185.3	2.5
140°-150°	137.2	1.8
150°-160°	50.2	0.7
160°-170°	5.8	0.1
170°-180°	0.0	0.0
0°-90°	6626.5	87.9
0°-180°	7540.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691926

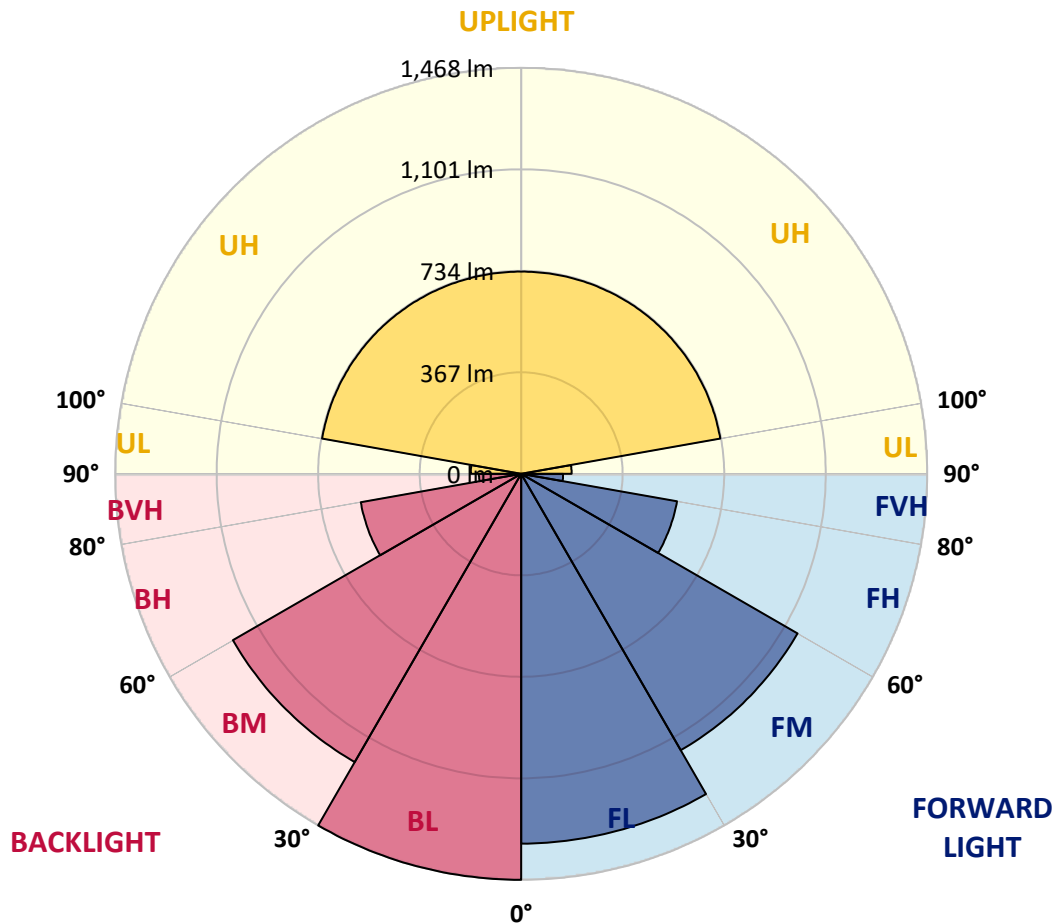
CATALOG NUMBER: CRTK2-C01H-D-U-T5R-8027-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1336.7	17.7			
FM	(30°-60°)	1153.6	15.3			
FH	(60°-80°)	571.9	7.6			G0/660
FVH	(80°-90°)	151.8	2.0			G2/225
BL	(0°-30°)	1467.7	19.5	B3/2500		
BM	(30°-60°)	1203.3	16.0	B2/2500		
BH	(60°-80°)	588.7	7.8	B2/1000		G0/660
BVH	(80°-90°)	152.7	2.0			G2/225
UL	(90°-100°)	182.5	2.4		U3/500	
UH	(100°-180°)	731.0	9.7		U4/1000	

BUG Rating: B3-U4-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8379.2	8379.2	8379.2	8379.2	8379.2	8379.2	8379.2	8379.2	8379.2	8379.2	8379.2
2.5°	7800.5	7811.9	7814.7	7800.5	7706.9	7658.7	7607.7	7505.5	7528.2	7514.1	7516.9
5°	7074.4	7119.8	7048.9	7029.0	6887.2	6782.2	6680.1	6569.5	6543.9	6498.6	6515.6
7.5°	6592.2	6617.7	6501.4	6382.3	6155.3	5993.7	5823.5	5653.3	5525.6	5477.4	5497.3
10°	5488.7	5573.8	5457.5	5335.6	5120.0	4927.1	4748.4	4581.0	4464.7	4427.9	4433.5
12.5°	4666.1	4714.4	4615.1	4532.8	4291.7	4107.3	3942.8	3786.8	3693.2	3653.5	3653.5
15°	4121.5	4141.4	4064.8	3905.9	3724.4	3557.0	3418.1	3304.6	3228.0	3213.8	3219.5
17.5°	3710.2	3710.2	3633.6	3508.8	3369.8	3222.3	3125.9	3040.8	3006.8	3018.1	3020.9
20°	3401.0	3403.9	3335.8	3213.8	3094.7	2961.4	2881.9	2822.4	2802.5	2822.4	2825.2
22.5°	3108.9	3123.1	3049.3	2958.5	2828.1	2723.1	2657.9	2592.6	2581.3	2589.8	2589.8
25°	2249.4	2249.4	2223.9	2153.0	2181.3	2192.7	2269.2	2433.8	2399.7	2430.9	2428.1
27.5°	1940.2	1951.6	1900.5	1838.1	1772.9	1696.3	1682.1	1667.9	1653.7	1719.0	1741.6
30°	1713.3	1719.0	1676.4	1633.9	1580.0	1537.4	1526.1	1526.1	1511.9	1562.9	1560.1
32.5°	1497.7	1489.2	1477.8	1438.1	1404.1	1367.2	1375.7	1370.1	1370.1	1415.4	1418.3
35°	1327.5	1324.7	1316.2	1287.8	1253.8	1225.4	1233.9	1239.6	1236.7	1265.1	1265.1
37.5°	1202.7	1205.5	1199.9	1188.5	1154.5	1131.8	1137.5	1131.8	1140.3	1160.2	1160.2
40°	1080.7	1080.7	1083.6	1080.7	1058.0	1049.5	1066.5	1058.0	1077.9	1092.1	1086.4
42.5°	964.4	967.3	972.9	967.3	953.1	944.6	953.1	955.9	984.3	1004.1	1001.3
45°	890.7	890.7	893.5	890.7	879.3	870.8	870.8	862.3	882.2	893.5	890.7
47.5°	842.5	842.5	848.1	845.3	839.6	831.1	825.4	814.1	822.6	831.1	822.6
50°	825.4	825.4	836.8	836.8	833.9	825.4	816.9	802.7	805.6	811.3	799.9
52.5°	851.0	851.0	870.8	879.3	879.3	865.2	853.8	833.9	833.9	839.6	822.6
55°	904.9	904.9	936.1	953.1	955.9	955.9	941.7	921.9	924.7	936.1	919.0
57.5°	885.0	887.8	913.4	936.1	950.2	958.8	958.8	947.4	955.9	984.3	975.8
60°	791.4	797.1	814.1	833.9	859.5	868.0	868.0	865.2	879.3	913.4	913.4
62.5°	703.5	706.3	714.8	731.8	746.0	751.7	751.7	740.3	757.4	774.4	768.7
65°	635.4	632.6	649.6	663.8	672.3	680.8	672.3	660.9	669.4	680.8	677.9
67.5°	578.7	578.7	592.8	604.2	609.9	618.4	612.7	607.0	618.4	624.0	618.4
70°	524.8	527.6	538.9	547.5	553.1	561.6	553.1	550.3	561.6	567.3	564.5
72.5°	470.9	473.7	482.2	493.6	499.2	502.1	499.2	496.4	504.9	510.6	510.6
75°	422.6	425.5	431.2	442.5	442.5	448.2	445.3	442.5	451.0	456.7	456.7
77.5°	377.3	382.9	385.8	394.3	397.1	400.0	397.1	397.1	402.8	408.5	411.3
80°	337.6	340.4	343.2	351.7	351.7	354.6	351.7	351.7	357.4	365.9	365.9
82.5°	300.7	303.5	306.3	312.0	309.2	312.0	312.0	312.0	317.7	326.2	326.2
85°	263.8	269.5	269.5	275.1	275.1	275.1	275.1	278.0	280.8	289.3	289.3
87.5°	232.6	235.4	238.3	241.1	241.1	243.9	243.9	246.8	249.6	255.3	258.1
90°	201.4	204.2	207.1	207.1	207.1	209.9	209.9	212.7	215.6	221.3	224.1
92.5°	178.7	181.5	181.5	184.4	184.4	184.4	187.2	190.0	192.9	198.6	198.6
95°	158.8	161.7	161.7	161.7	161.7	164.5	164.5	167.4	170.2	175.9	175.9
97.5°	141.8	141.8	141.8	141.8	141.8	144.7	144.7	147.5	150.3	153.2	153.2
100°	124.8	124.8	124.8	124.8	124.8	124.8	124.8	127.6	127.6	133.3	133.3
102.5°	110.6	110.6	107.8	107.8	107.8	105.0	105.0	107.8	107.8	110.6	110.6
105°	99.3	99.3	99.3	99.3	96.4	96.4	96.4	96.4	96.4	99.3	99.3
107.5°	96.4	96.4	93.6	93.6	93.6	90.8	90.8	90.8	90.8	93.6	93.6
110°	93.6	93.6	93.6	93.6	90.8	90.8	87.9	87.9	87.9	90.8	90.8

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CATALOG NUMBER: CRTK2-C01H-D-U-T5R-8027-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	96.4	96.4	96.4	93.6	93.6	90.8	90.8	90.8	90.8	90.8	93.6
115°	102.1	99.3	99.3	99.3	99.3	96.4	93.6	93.6	96.4	96.4	96.4
117.5°	110.6	107.8	107.8	110.6	107.8	105.0	102.1	102.1	105.0	105.0	107.8
120°	122.0	119.1	122.0	122.0	122.0	119.1	116.3	113.5	116.3	119.1	119.1
122.5°	136.2	133.3	136.2	139.0	139.0	136.2	130.5	130.5	133.3	136.2	139.0
125°	153.2	153.2	156.0	158.8	161.7	156.0	153.2	150.3	156.0	158.8	158.8
127.5°	173.0	170.2	175.9	184.4	187.2	181.5	175.9	173.0	178.7	184.4	184.4
130°	192.9	190.0	198.6	207.1	212.7	207.1	201.4	198.6	204.2	209.9	209.9
132.5°	209.9	207.1	218.4	229.8	235.4	232.6	226.9	221.3	229.8	235.4	232.6
135°	224.1	224.1	238.3	249.6	255.3	252.5	246.8	241.1	252.5	258.1	252.5
137.5°	232.6	232.6	249.6	261.0	266.6	266.6	263.8	258.1	269.5	272.3	263.8
140°	232.6	235.4	249.6	261.0	263.8	266.6	266.6	263.8	275.1	275.1	266.6
142.5°	224.1	226.9	241.1	252.5	255.3	258.1	261.0	258.1	266.6	266.6	261.0
145°	209.9	212.7	226.9	238.3	238.3	241.1	246.8	243.9	249.6	252.5	246.8
147.5°	190.0	192.9	204.2	209.9	212.7	218.4	224.1	224.1	226.9	229.8	226.9
150°	164.5	164.5	173.0	178.7	181.5	187.2	192.9	195.7	195.7	198.6	195.7
152.5°	130.5	130.5	136.2	141.8	144.7	153.2	156.0	158.8	161.7	164.5	161.7
155°	99.3	99.3	102.1	105.0	107.8	116.3	119.1	122.0	124.8	127.6	124.8
157.5°	70.9	70.9	73.8	76.6	79.4	85.1	87.9	90.8	90.8	93.6	93.6
160°	45.4	48.2	48.2	51.1	51.1	56.7	59.6	59.6	62.4	65.2	65.2
162.5°	22.7	25.5	25.5	28.4	31.2	34.0	36.9	36.9	39.7	39.7	39.7
165°	5.7	8.5	8.5	11.3	11.3	14.2	17.0	17.0	19.9	19.9	19.9
167.5°	0.0	2.8	2.8	2.8	2.8	2.8	2.8	5.7	5.7	5.7	5.7
170°	0.0	0.0	0.0	0.0	2.8	0.0	0.0	2.8	2.8	2.8	2.8
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°	8379.2	8379.2	8379.2	8379.2	8379.2	8379.2	8379.2	8379.2	8379.2	8379.2	8379.2
2.5°	7593.5	7587.8	7743.8	7868.6	8016.1	8132.4	8245.9	8353.7	8396.2	8393.4	8396.2
5°	6592.2	6691.4	6895.7	7097.1	7335.3	7559.4	7769.3	7908.3	7996.3	7996.3	8004.8
7.5°	5588.0	5746.9	5999.3	6319.9	6677.3	6969.4	7324.0	7573.6	7772.2	7766.5	7803.4
10°	4513.0	4637.8	4890.2	5233.5	5627.7	5965.3	6274.5	6507.1	6700.0	6688.6	6736.8
12.5°	3707.4	3795.3	4013.7	4325.8	4686.0	5012.2	5315.7	5497.3	5633.4	5630.6	5656.1
15°	3233.7	3324.5	3466.3	3681.9	3979.7	4269.0	4572.5	4737.1	4813.6	4805.1	4847.7
17.5°	3040.8	3077.7	3165.6	3310.3	3525.8	3761.3	4002.4	4144.2	4232.1	4220.8	4252.0
20°	2833.7	2867.8	2927.3	3035.1	3188.3	3367.0	3571.2	3727.2	3792.5	3789.6	3809.5
22.5°	2595.5	2612.5	2677.7	2762.8	2873.4	3018.1	3174.1	3315.9	3381.2	3378.3	3398.2
25°	2430.9	2459.3	2499.0	2550.1	2626.7	2740.1	2870.6	2969.9	3029.4	3023.8	3049.3
27.5°	1775.7	1804.1	1823.9	1855.1	1857.9	1951.6	1996.9	2079.2	2133.1	2130.3	2147.3
30°	1560.1	1565.8	1582.8	1625.3	1650.9	1724.6	1815.4	1877.8	1923.2	1940.2	1951.6
32.5°	1424.0	1441.0	1460.8	1480.7	1511.9	1557.3	1628.2	1684.9	1733.1	1741.6	1761.5
35°	1267.9	1279.3	1293.5	1313.3	1333.2	1370.1	1424.0	1469.3	1506.2	1520.4	1531.7
37.5°	1157.3	1160.2	1174.3	1197.0	1214.0	1245.3	1293.5	1327.5	1364.4	1367.2	1378.6
40°	1083.6	1086.4	1100.6	1120.4	1140.3	1160.2	1202.7	1233.9	1259.4	1262.3	1270.8
42.5°	998.5	1007.0	1012.7	1021.2	1035.3	1052.4	1089.2	1106.3	1123.3	1126.1	1137.5
45°	882.2	885.0	890.7	899.2	916.2	933.2	958.8	978.6	990.0	990.0	987.1
47.5°	816.9	819.8	819.8	831.1	845.3	862.3	885.0	902.0	907.7	907.7	907.7
50°	794.2	794.2	788.6	797.1	811.3	822.6	845.3	859.5	862.3	865.2	868.0
52.5°	811.3	805.6	788.6	797.1	811.3	822.6	845.3	851.0	851.0	856.6	859.5
55°	904.9	896.4	862.3	868.0	885.0	899.2	916.2	919.0	924.7	933.2	930.4
57.5°	964.4	970.1	930.4	938.9	970.1	981.5	1001.3	998.5	1009.8	1021.2	1024.0
60°	907.7	924.7	893.5	904.9	941.7	947.4	967.3	955.9	972.9	972.9	972.9
62.5°	771.5	777.2	760.2	777.2	811.3	811.3	825.4	816.9	822.6	816.9	819.8
65°	675.1	672.3	652.4	675.1	686.4	692.1	703.5	706.3	706.3	700.6	700.6
67.5°	615.5	609.9	592.8	598.5	609.9	612.7	629.7	632.6	629.7	629.7	632.6
70°	561.6	553.1	536.1	538.9	547.5	550.3	564.5	570.1	567.3	564.5	567.3
72.5°	507.7	499.2	482.2	482.2	490.7	496.4	507.7	513.4	507.7	507.7	510.6
75°	456.7	448.2	431.2	431.2	436.8	439.7	453.8	456.7	453.8	451.0	453.8
77.5°	411.3	405.6	388.6	388.6	391.4	394.3	402.8	405.6	402.8	400.0	402.8
80°	368.8	360.2	348.9	346.1	348.9	348.9	357.4	360.2	354.6	354.6	357.4
82.5°	329.0	320.5	309.2	309.2	306.3	309.2	314.9	317.7	314.9	312.0	314.9
85°	292.2	286.5	275.1	272.3	272.3	272.3	278.0	278.0	275.1	275.1	275.1
87.5°	258.1	252.5	241.1	241.1	238.3	241.1	243.9	243.9	241.1	241.1	241.1
90°	224.1	218.4	209.9	209.9	207.1	209.9	212.7	212.7	209.9	209.9	209.9
92.5°	198.6	195.7	187.2	187.2	184.4	187.2	187.2	187.2	184.4	184.4	184.4
95°	175.9	173.0	167.4	164.5	164.5	164.5	164.5	164.5	161.7	161.7	161.7
97.5°	153.2	150.3	144.7	144.7	141.8	144.7	144.7	144.7	141.8	141.8	141.8
100°	133.3	130.5	127.6	127.6	124.8	124.8	124.8	124.8	124.8	124.8	124.8
102.5°	110.6	110.6	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8
105°	99.3	99.3	99.3	99.3	102.1	102.1	102.1	99.3	99.3	99.3	99.3
107.5°	93.6	93.6	93.6	96.4	96.4	96.4	99.3	93.6	90.8	90.8	90.8
110°	90.8	90.8	93.6	93.6	96.4	96.4	99.3	87.9	85.1	85.1	85.1

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	93.6	93.6	93.6	96.4	99.3	99.3	102.1	87.9	85.1	85.1	85.1
115°	99.3	99.3	99.3	102.1	105.0	107.8	107.8	93.6	87.9	87.9	90.8
117.5°	107.8	107.8	107.8	110.6	116.3	116.3	116.3	99.3	96.4	96.4	96.4
120°	119.1	122.0	122.0	124.8	130.5	133.3	127.6	113.5	96.4	105.0	105.0
122.5°	136.2	139.0	141.8	144.7	153.2	153.2	144.7	130.5	105.0	116.3	119.1
125°	158.8	161.7	164.5	170.2	178.7	178.7	167.4	147.5	119.1	130.5	133.3
127.5°	181.5	187.2	190.0	198.6	209.9	209.9	195.7	170.2	133.3	141.8	144.7
130°	207.1	212.7	218.4	229.8	243.9	238.3	226.9	192.9	144.7	150.3	150.3
132.5°	229.8	238.3	241.1	258.1	272.3	266.6	252.5	207.1	150.3	150.3	147.5
135°	246.8	252.5	255.3	272.3	286.5	278.0	261.0	212.7	147.5	141.8	141.8
137.5°	258.1	263.8	266.6	278.0	289.3	275.1	252.5	201.4	141.8	139.0	136.2
140°	263.8	263.8	263.8	272.3	278.0	261.0	232.6	181.5	127.6	133.3	133.3
142.5°	258.1	255.3	252.5	258.1	261.0	241.1	215.6	161.7	116.3	122.0	122.0
145°	243.9	238.3	235.4	238.3	238.3	215.6	187.2	139.0	102.1	105.0	105.0
147.5°	224.1	215.6	209.9	209.9	207.1	184.4	158.8	116.3	87.9	85.1	85.1
150°	192.9	184.4	178.7	178.7	170.2	150.3	127.6	90.8	70.9	70.9	70.9
152.5°	158.8	150.3	144.7	144.7	136.2	116.3	96.4	68.1	53.9	53.9	53.9
155°	124.8	116.3	110.6	107.8	102.1	87.9	70.9	51.1	39.7	39.7	39.7
157.5°	93.6	87.9	82.3	79.4	73.8	65.2	51.1	36.9	25.5	28.4	28.4
160°	65.2	59.6	56.7	53.9	51.1	42.5	34.0	22.7	14.2	14.2	14.2
162.5°	39.7	36.9	36.9	34.0	31.2	28.4	19.9	11.3	5.7	5.7	5.7
165°	19.9	19.9	17.0	17.0	14.2	11.3	8.5	2.8	0.0	0.0	0.0
167.5°	5.7	5.7	5.7	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
170°	2.8	2.8	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)