

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: P691530

Luminaire Tested: **CRTK2-C016-D-U-T3-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-15)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-D-U-T3-8027-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4329 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 41.6
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



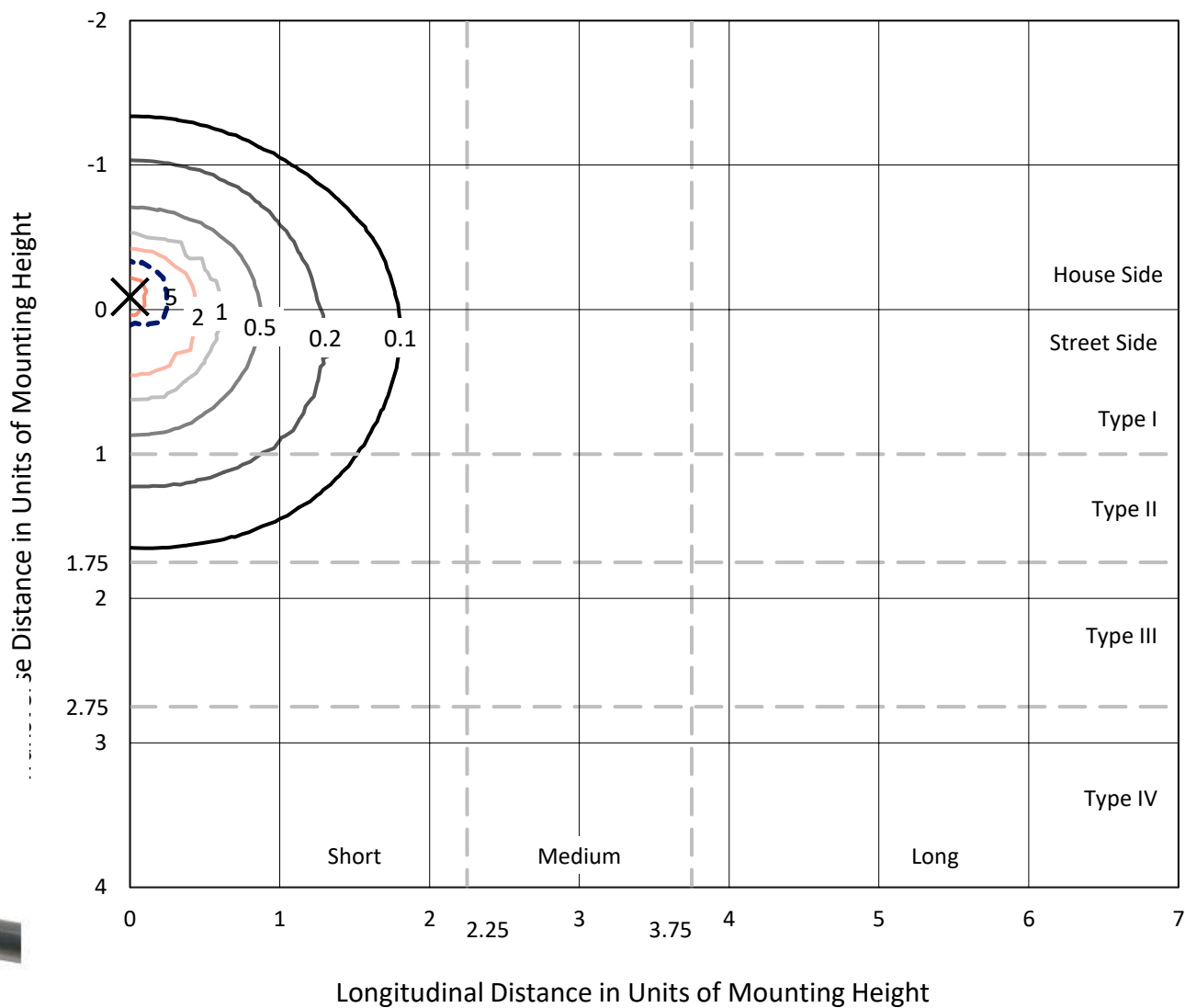
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



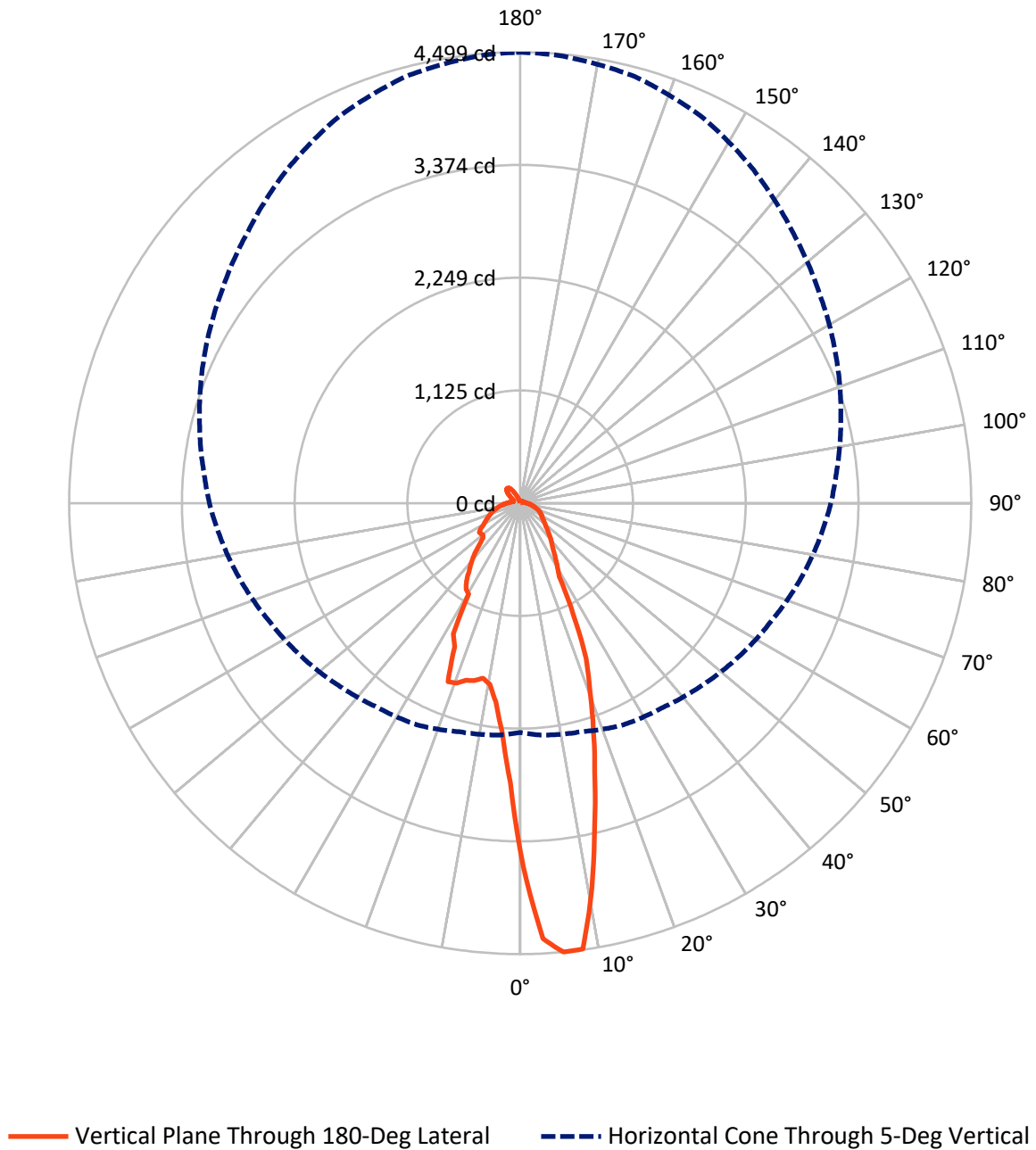
Based on 25 foot mounting height. Maximum calculated value = 7 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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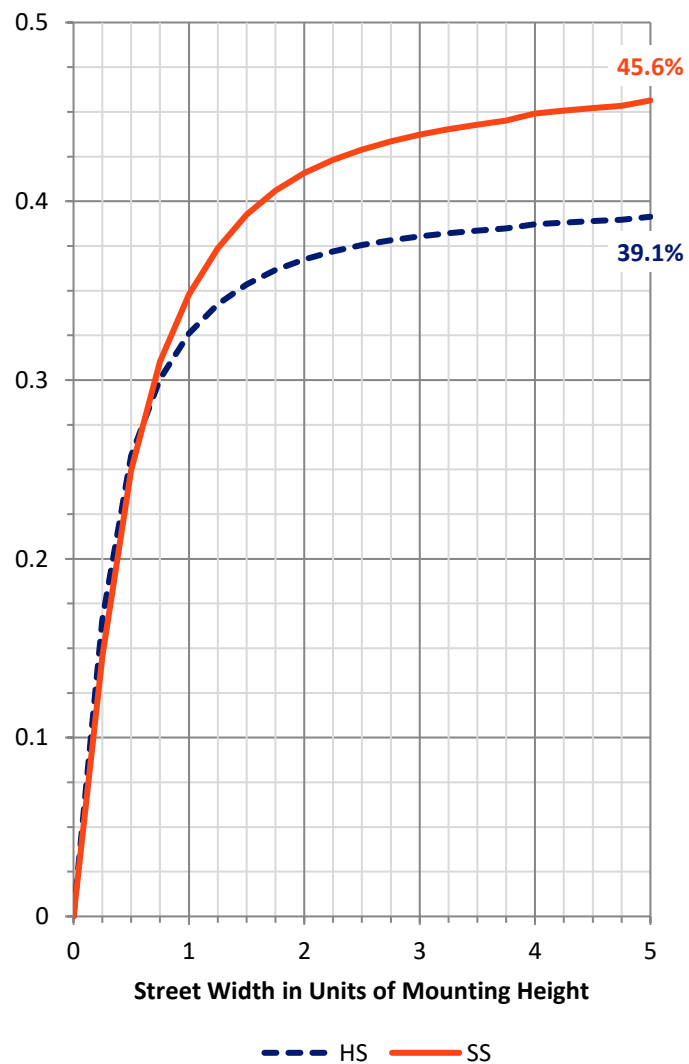
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1739.9	186.6	1926.5
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	2030.4	372.1	2402.5
	% Fixture	46.9	8.6	55.5
Total	Lumens	3770.3	558.6	4329.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.0	6.7
10°-20°	624.1	14.4
20°-30°	687.2	15.9
30°-40°	504.9	11.7
40°-50°	423.1	9.8
50°-60°	424.5	9.8
60°-70°	363.5	8.4
70°-80°	270.9	6.3
80°-90°	181.2	4.2
90°-100°	107.6	2.5
100°-110°	62.5	1.4
110°-120°	58.1	1.3
120°-130°	84.3	1.9
130°-140°	113.5	2.6
140°-150°	91.9	2.1
150°-160°	36.3	0.8
160°-170°	4.4	0.1
170°-180°	0.0	0.0
0°-90°	3770.3	87.1
0°-180°	4329.0	100.0

Coefficient of Utilization



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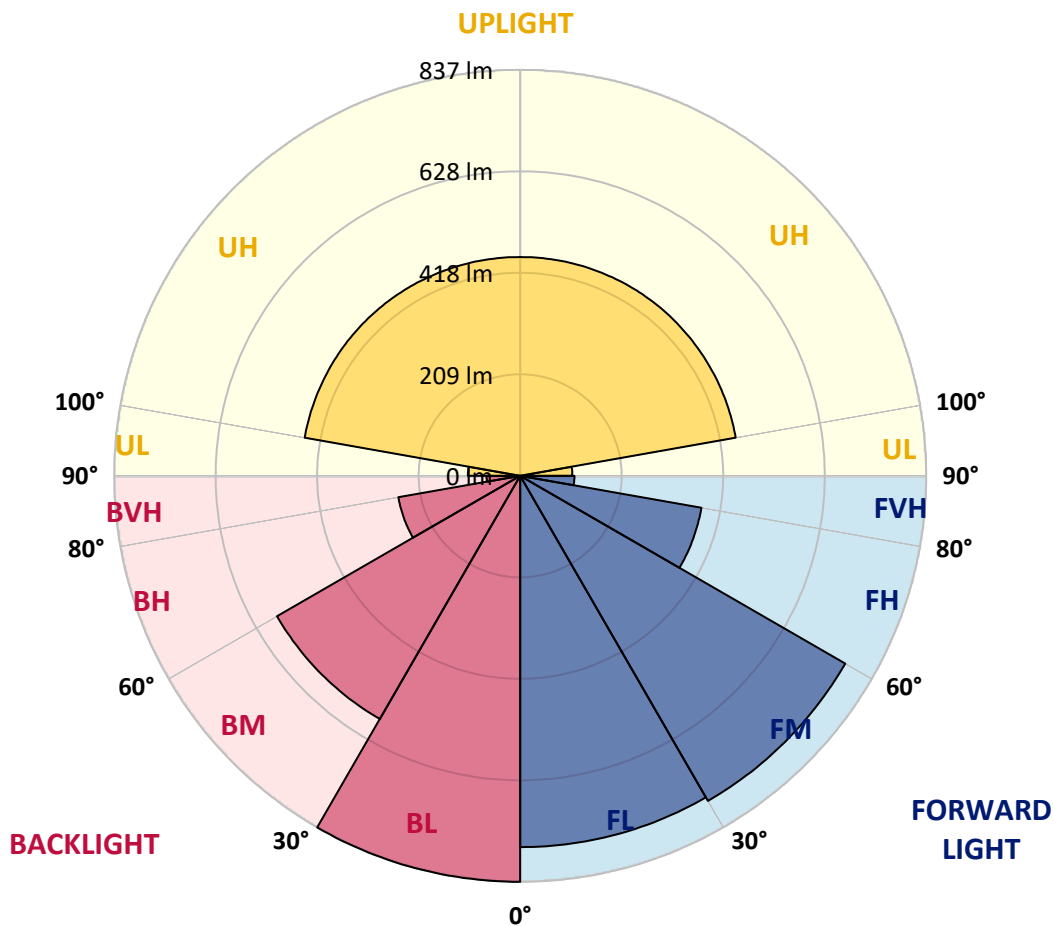
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	765.4	17.7			
FM	(30°-60°)	773.8	17.9			
FH	(60°-80°)	379.4	8.8			G0/660
FVH	(80°-90°)	111.9	2.6			G2/225
BL	(0°-30°)	836.8	19.3	B2/1000		
BM	(30°-60°)	578.7	13.4	B1/1000		
BH	(60°-80°)	255.0	5.9	B1/500		G1/500
BVH	(80°-90°)	69.4	1.6			G1/100
UL	(90°-100°)	107.6	2.5		U3/500	
UH	(100°-180°)	451.0	10.4		U3/500	

BUG Rating: B2-U3-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3623.8	3623.8	3623.8	3623.8	3623.8	3623.8	3623.8	3623.8	3623.8	3623.8	3623.8
2.5°	2791.8	2833.0	2853.6	2915.5	2936.2	2975.7	3035.9	3096.0	3197.5	3273.1	3331.5
5°	2288.1	2322.5	2360.3	2439.4	2485.8	2568.3	2664.6	2767.7	2898.3	3030.7	3099.5
7.5°	1994.1	2002.7	2057.7	2154.0	2238.2	2325.9	2430.8	2520.1	2609.5	2717.8	2786.6
10°	1832.5	1844.6	1880.7	1954.6	2026.8	2099.0	2181.5	2250.3	2341.4	2432.5	2473.7
12.5°	1784.4	1789.5	1820.5	1863.5	1909.9	1956.3	2019.9	2081.8	2162.6	2241.7	2269.2
15°	1827.4	1827.4	1832.5	1849.7	1873.8	1909.9	1958.0	2011.3	2085.2	2143.7	2172.9
17.5°	1848.0	1849.7	1863.5	1866.9	1889.3	1904.7	1947.7	1989.0	2059.4	2107.6	2123.0
20°	1903.0	1903.0	1904.7	1913.3	1916.8	1925.4	1944.3	1966.6	2025.1	2050.8	2047.4
22.5°	1920.2	1913.3	1940.8	1990.7	1989.0	1990.7	1973.5	1978.6	2011.3	2001.0	1976.9
25°	1576.4	1567.8	1598.7	1629.7	1674.4	1731.1	1872.1	1982.1	2023.3	1990.7	1937.4
27.5°	1466.4	1428.5	1419.9	1346.0	1279.0	1169.0	1158.6	1089.9	1083.0	1126.0	1165.5
30°	1041.8	1043.5	1041.8	1034.9	1029.7	1034.9	1040.0	1028.0	1031.4	1058.9	1046.9
32.5°	1016.0	1016.0	1009.1	1005.7	990.2	985.0	976.4	954.1	957.5	978.1	973.0
35°	947.2	943.8	945.5	936.9	909.4	887.0	883.6	864.7	864.7	876.7	871.6
37.5°	844.1	838.9	859.5	857.8	835.5	826.9	818.3	806.2	806.2	816.6	806.2
40°	763.3	759.8	782.2	789.1	775.3	778.7	780.5	770.1	780.5	782.2	768.4
42.5°	677.3	675.6	694.5	692.8	680.7	679.0	677.3	670.4	687.6	701.4	691.1
45°	575.9	570.7	584.5	589.6	586.2	581.0	579.3	579.3	589.6	596.5	586.2
47.5°	508.8	510.6	520.9	532.9	536.3	539.8	538.1	534.6	541.5	543.2	534.6
50°	486.5	488.2	503.7	517.4	527.8	534.6	534.6	529.5	534.6	529.5	517.4
52.5°	496.8	496.8	517.4	538.1	555.3	567.3	569.0	562.1	562.1	548.4	529.5
55°	500.2	503.7	531.2	565.6	596.5	629.2	644.6	639.5	644.6	615.4	584.5
57.5°	467.6	476.2	503.7	544.9	586.2	637.8	670.4	673.9	672.2	646.4	608.5
60°	424.6	431.5	450.4	486.5	526.0	567.3	600.0	606.8	613.7	601.7	567.3
62.5°	395.4	398.8	414.3	440.1	467.6	489.9	502.0	500.2	507.1	503.7	477.9
65°	369.6	371.3	388.5	409.1	426.3	448.7	452.1	452.1	457.3	450.4	429.8
67.5°	342.1	342.1	355.8	374.8	395.4	414.3	419.5	421.2	428.0	421.2	405.7
70°	318.0	318.0	330.1	345.5	361.0	379.9	385.1	386.8	395.4	386.8	371.3
72.5°	295.7	295.7	306.0	319.7	333.5	349.0	354.1	355.8	362.7	354.1	342.1
75°	271.6	273.3	281.9	294.0	306.0	319.7	326.6	326.6	331.8	321.5	311.2
77.5°	247.5	249.3	257.9	268.2	278.5	292.2	295.7	297.4	302.6	292.2	281.9
80°	223.5	226.9	233.8	242.4	252.7	263.0	269.9	269.9	273.3	263.0	256.1
82.5°	201.1	204.6	209.7	216.6	226.9	237.2	244.1	244.1	245.8	237.2	228.6
85°	178.8	182.2	187.4	192.5	201.1	211.4	218.3	218.3	220.0	211.4	204.6
87.5°	158.2	161.6	165.0	170.2	177.1	187.4	194.3	194.3	194.3	187.4	180.5
90°	137.5	139.2	142.7	147.8	154.7	163.3	168.5	170.2	170.2	161.6	158.2
92.5°	122.1	122.1	125.5	128.9	135.8	142.7	147.8	149.6	149.6	144.4	139.2
95°	104.9	106.6	108.3	111.7	116.9	122.1	128.9	128.9	128.9	125.5	122.1
97.5°	92.8	91.1	92.8	94.5	99.7	103.1	108.3	110.0	110.0	106.6	104.9
100°	79.1	80.8	80.8	82.5	84.2	86.0	89.4	91.1	91.1	89.4	89.4
102.5°	73.9	72.2	72.2	72.2	72.2	72.2	73.9	73.9	75.6	73.9	72.2
105°	68.8	68.8	68.8	68.8	67.0	67.0	67.0	67.0	65.3	63.6	63.6
107.5°	67.0	67.0	67.0	67.0	65.3	65.3	63.6	63.6	61.9	60.2	58.4
110°	67.0	67.0	67.0	67.0	65.3	63.6	63.6	61.9	60.2	58.4	56.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	70.5	70.5	70.5	70.5	67.0	65.3	63.6	63.6	60.2	58.4	56.7
115°	77.4	77.4	75.6	75.6	73.9	70.5	68.8	67.0	65.3	61.9	60.2
117.5°	84.2	84.2	84.2	84.2	82.5	79.1	75.6	73.9	72.2	67.0	65.3
120°	96.3	96.3	96.3	98.0	94.5	91.1	87.7	84.2	82.5	77.4	73.9
122.5°	111.7	110.0	113.5	115.2	113.5	108.3	103.1	99.7	96.3	89.4	86.0
125°	127.2	127.2	130.6	135.8	135.8	130.6	123.8	118.6	115.2	104.9	99.7
127.5°	146.1	146.1	151.3	159.9	161.6	156.4	149.6	142.7	137.5	123.8	118.6
130°	163.3	163.3	173.6	183.9	189.1	183.9	177.1	168.5	161.6	146.1	137.5
132.5°	177.1	178.8	190.8	204.6	211.4	209.7	201.1	194.3	187.4	168.5	158.2
135°	190.8	192.5	206.3	223.5	232.1	232.1	225.2	216.6	208.0	187.4	175.3
137.5°	197.7	199.4	216.6	233.8	244.1	247.5	244.1	235.5	226.9	204.6	189.1
140°	197.7	201.1	218.3	235.5	245.8	251.0	251.0	242.4	233.8	213.2	197.7
142.5°	192.5	196.0	211.4	228.6	238.9	245.8	247.5	240.7	232.1	211.4	196.0
145°	182.2	183.9	199.4	214.9	225.2	233.8	237.2	232.1	221.8	204.6	189.1
147.5°	165.0	165.0	178.8	190.8	204.6	213.2	218.3	214.9	206.3	190.8	177.1
150°	141.0	141.0	151.3	163.3	175.3	185.7	190.8	190.8	182.2	170.2	156.4
152.5°	111.7	113.5	120.3	130.6	142.7	151.3	158.2	158.2	153.0	142.7	130.6
155°	86.0	86.0	91.1	98.0	108.3	116.9	122.1	122.1	118.6	110.0	103.1
157.5°	61.9	61.9	65.3	72.2	79.1	86.0	91.1	91.1	87.7	82.5	77.4
160°	41.3	41.3	43.0	48.1	53.3	58.4	61.9	63.6	61.9	58.4	53.3
162.5°	22.3	22.3	24.1	27.5	30.9	36.1	37.8	39.5	39.5	36.1	34.4
165°	6.9	6.9	6.9	10.3	12.0	15.5	17.2	18.9	18.9	18.9	17.2
167.5°	1.7	1.7	1.7	1.7	1.7	1.7	3.4	5.2	5.2	5.2	5.2
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	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°	3623.8	3623.8	3623.8	3623.8	3623.8	3623.8	3623.8	3623.8	3623.8	3623.8	3623.8
2.5°	3386.6	3513.8	3654.7	3799.1	3947.0	4086.2	4203.1	4295.9	4345.8	4357.8	4351.0
5°	3161.4	3310.9	3475.9	3644.4	3837.0	4058.7	4261.6	4407.7	4483.3	4495.4	4498.8
7.5°	2839.9	2970.5	3132.1	3326.4	3568.8	3806.0	4118.9	4337.2	4459.3	4491.9	4491.9
10°	2501.2	2616.4	2717.8	2888.0	3099.5	3321.2	3587.7	3788.8	3912.6	3952.1	3917.7
12.5°	2310.4	2360.3	2429.0	2554.5	2686.9	2855.4	3085.7	3216.4	3297.2	3321.2	3300.6
15°	2188.4	2214.2	2243.4	2296.7	2389.5	2494.4	2630.2	2711.0	2760.8	2790.0	2779.7
17.5°	2129.9	2129.9	2124.8	2136.8	2160.9	2209.0	2301.8	2331.1	2353.4	2365.4	2358.6
20°	2040.5	2013.0	1990.7	1956.3	1942.5	1940.8	1963.2	1994.1	1992.4	1994.1	1980.4
22.5°	1951.1	1894.4	1839.4	1787.8	1729.4	1700.2	1679.5	1689.8	1681.2	1689.8	1681.2
25°	1908.2	1793.0	1683.0	1557.5	1452.6	1371.8	1318.5	1285.9	1230.9	1251.5	1232.6
27.5°	1184.4	1136.3	1089.9	997.1	909.4	878.4	852.7	838.9	828.6	833.7	830.3
30°	1026.3	986.7	950.6	902.5	835.5	794.2	763.3	735.8	727.2	728.9	727.2
32.5°	952.4	921.4	876.7	826.9	766.7	715.1	679.0	653.2	639.5	648.1	641.2
35°	852.7	821.7	783.9	737.5	685.9	639.5	605.1	581.0	565.6	569.0	567.3
37.5°	787.3	758.1	725.4	675.6	630.9	586.2	551.8	527.8	512.3	515.7	512.3
40°	749.5	716.8	682.5	637.8	593.1	546.7	514.0	486.5	471.0	471.0	471.0
42.5°	672.2	646.4	617.1	570.7	531.2	491.7	459.0	438.4	421.2	422.9	419.5
45°	574.2	555.3	532.9	502.0	469.3	438.4	410.9	395.4	381.6	383.4	381.6
47.5°	524.3	507.1	481.3	457.3	428.0	400.5	376.5	357.6	347.3	349.0	345.5
50°	505.4	484.8	455.6	422.9	395.4	367.9	343.8	330.1	319.7	321.5	319.7
52.5°	512.3	479.6	438.4	398.8	366.2	338.7	319.7	304.3	297.4	299.1	295.7
55°	557.0	500.2	438.4	388.5	347.3	316.3	297.4	280.2	273.3	273.3	273.3
57.5°	572.4	510.6	433.2	376.5	331.8	300.8	278.5	261.3	254.4	254.4	254.4
60°	536.3	483.1	412.6	359.3	318.0	288.8	269.9	257.9	252.7	252.7	252.7
62.5°	459.0	424.6	371.3	328.3	297.4	271.6	252.7	237.2	232.1	230.4	230.4
65°	416.0	383.4	338.7	302.6	275.1	254.4	237.2	225.2	218.3	218.3	218.3
67.5°	388.5	357.6	316.3	281.9	256.1	233.8	218.3	206.3	202.8	201.1	201.1
70°	357.6	328.3	287.1	256.1	232.1	213.2	197.7	187.4	183.9	183.9	182.2
72.5°	326.6	299.1	259.6	230.4	208.0	190.8	177.1	168.5	165.0	163.3	163.3
75°	297.4	269.9	233.8	206.3	185.7	170.2	158.2	149.6	146.1	146.1	146.1
77.5°	269.9	244.1	209.7	183.9	166.7	151.3	141.0	134.1	130.6	130.6	130.6
80°	244.1	218.3	187.4	163.3	146.1	134.1	125.5	118.6	115.2	116.9	115.2
82.5°	216.6	196.0	166.7	144.4	130.6	118.6	110.0	104.9	101.4	103.1	101.4
85°	194.3	173.6	146.1	127.2	113.5	103.1	96.3	91.1	87.7	89.4	87.7
87.5°	171.9	153.0	128.9	111.7	99.7	91.1	82.5	79.1	77.4	77.4	75.6
90°	147.8	130.6	110.0	96.3	84.2	77.4	70.5	67.0	65.3	63.6	63.6
92.5°	130.6	116.9	98.0	86.0	75.6	70.5	63.6	60.2	58.4	58.4	58.4
95°	115.2	103.1	87.7	77.4	70.5	63.6	58.4	56.7	55.0	55.0	53.3
97.5°	99.7	89.4	79.1	70.5	63.6	58.4	53.3	51.6	49.9	49.9	49.9
100°	84.2	77.4	68.8	61.9	56.7	53.3	48.1	46.4	44.7	44.7	44.7
102.5°	70.5	65.3	58.4	53.3	49.9	46.4	43.0	41.3	39.5	39.5	39.5
105°	61.9	56.7	53.3	48.1	44.7	41.3	39.5	36.1	34.4	34.4	34.4
107.5°	56.7	53.3	49.9	46.4	43.0	39.5	36.1	32.7	30.9	30.9	30.9
110°	55.0	51.6	48.1	44.7	41.3	37.8	36.1	30.9	29.2	29.2	29.2

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CATALOG NUMBER: CRTK2-C016-D-U-T3-8027-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	55.0	53.3	49.9	46.4	43.0	39.5	36.1	29.2	27.5	27.5	27.5
115°	58.4	55.0	51.6	48.1	44.7	41.3	37.8	29.2	27.5	27.5	27.5
117.5°	63.6	60.2	55.0	51.6	48.1	43.0	37.8	30.9	27.5	27.5	27.5
120°	72.2	67.0	61.9	56.7	51.6	46.4	39.5	30.9	25.8	27.5	27.5
122.5°	82.5	77.4	68.8	61.9	56.7	49.9	41.3	32.7	25.8	27.5	27.5
125°	96.3	89.4	79.1	70.5	61.9	53.3	43.0	32.7	25.8	27.5	29.2
127.5°	111.7	101.4	89.4	77.4	67.0	56.7	46.4	34.4	25.8	29.2	29.2
130°	128.9	116.9	101.4	86.0	73.9	60.2	48.1	34.4	27.5	27.5	27.5
132.5°	147.8	130.6	110.0	92.8	77.4	61.9	48.1	34.4	27.5	27.5	27.5
135°	161.6	141.0	118.6	98.0	80.8	63.6	49.9	34.4	25.8	25.8	25.8
137.5°	173.6	149.6	125.5	101.4	82.5	63.6	48.1	32.7	25.8	24.1	24.1
140°	180.5	153.0	125.5	101.4	80.8	61.9	44.7	30.9	22.3	22.3	22.3
142.5°	180.5	151.3	123.8	98.0	75.6	58.4	43.0	27.5	20.6	20.6	20.6
145°	173.6	144.4	116.9	92.8	70.5	53.3	37.8	25.8	18.9	18.9	18.9
147.5°	161.6	132.4	106.6	84.2	61.9	46.4	32.7	20.6	15.5	15.5	15.5
150°	144.4	116.9	92.8	72.2	53.3	37.8	27.5	17.2	12.0	12.0	12.0
152.5°	120.3	98.0	75.6	60.2	43.0	30.9	20.6	13.8	10.3	10.3	10.3
155°	94.5	77.4	60.2	46.4	32.7	22.3	15.5	10.3	6.9	6.9	6.9
157.5°	72.2	58.4	44.7	34.4	24.1	17.2	12.0	6.9	5.2	5.2	5.2
160°	49.9	39.5	30.9	24.1	15.5	12.0	8.6	5.2	3.4	3.4	3.4
162.5°	32.7	25.8	18.9	13.8	10.3	6.9	5.2	3.4	1.7	1.7	1.7
165°	15.5	12.0	10.3	6.9	5.2	3.4	1.7	1.7	0.0	0.0	0.0
167.5°	5.2	3.4	3.4	1.7	1.7	1.7	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)