

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: P691312

Luminaire Tested: **CRTK2-C015-D-U-T2-8027-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T2-8027-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3484 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

Input Watts (W): 29.9
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

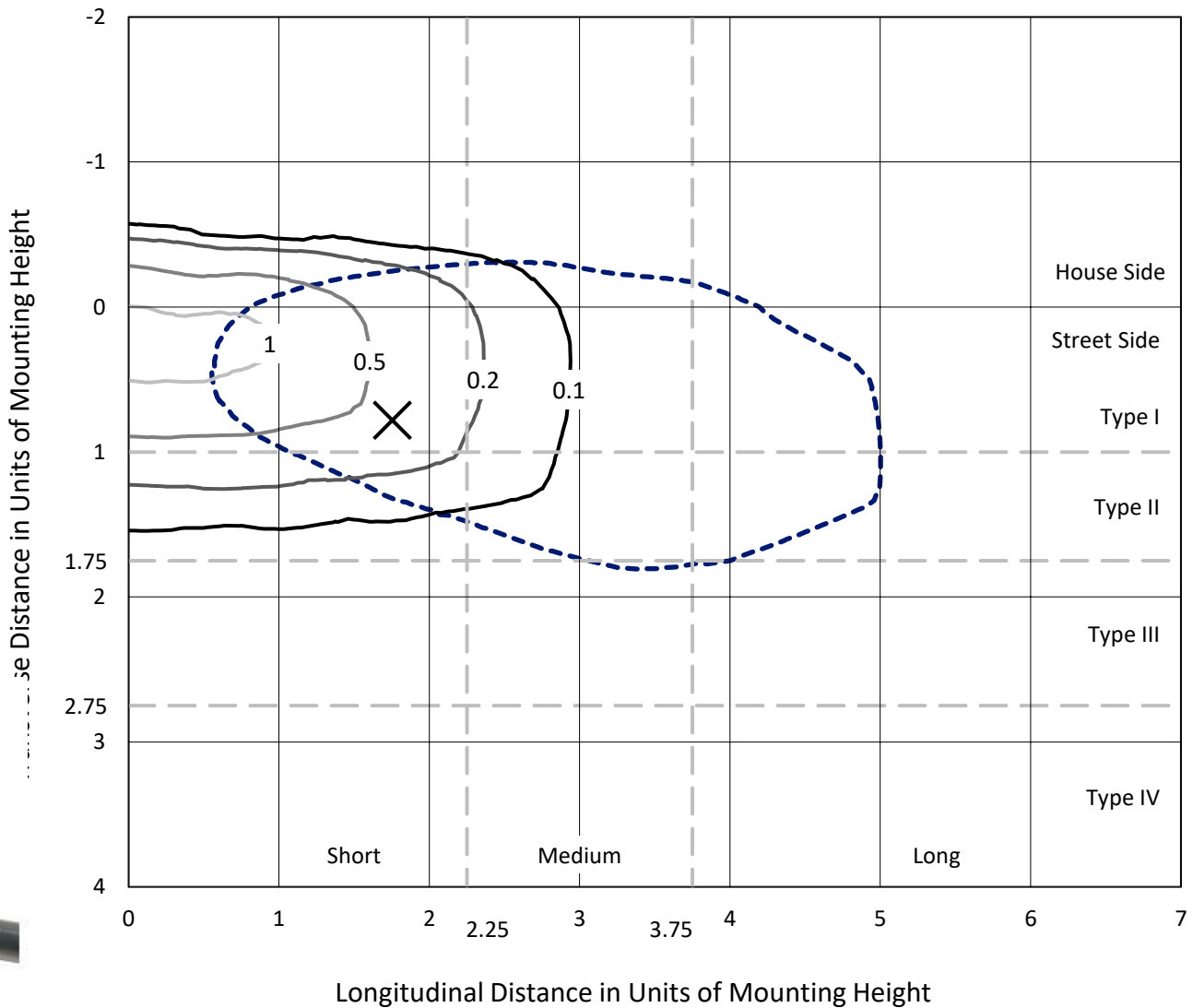


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

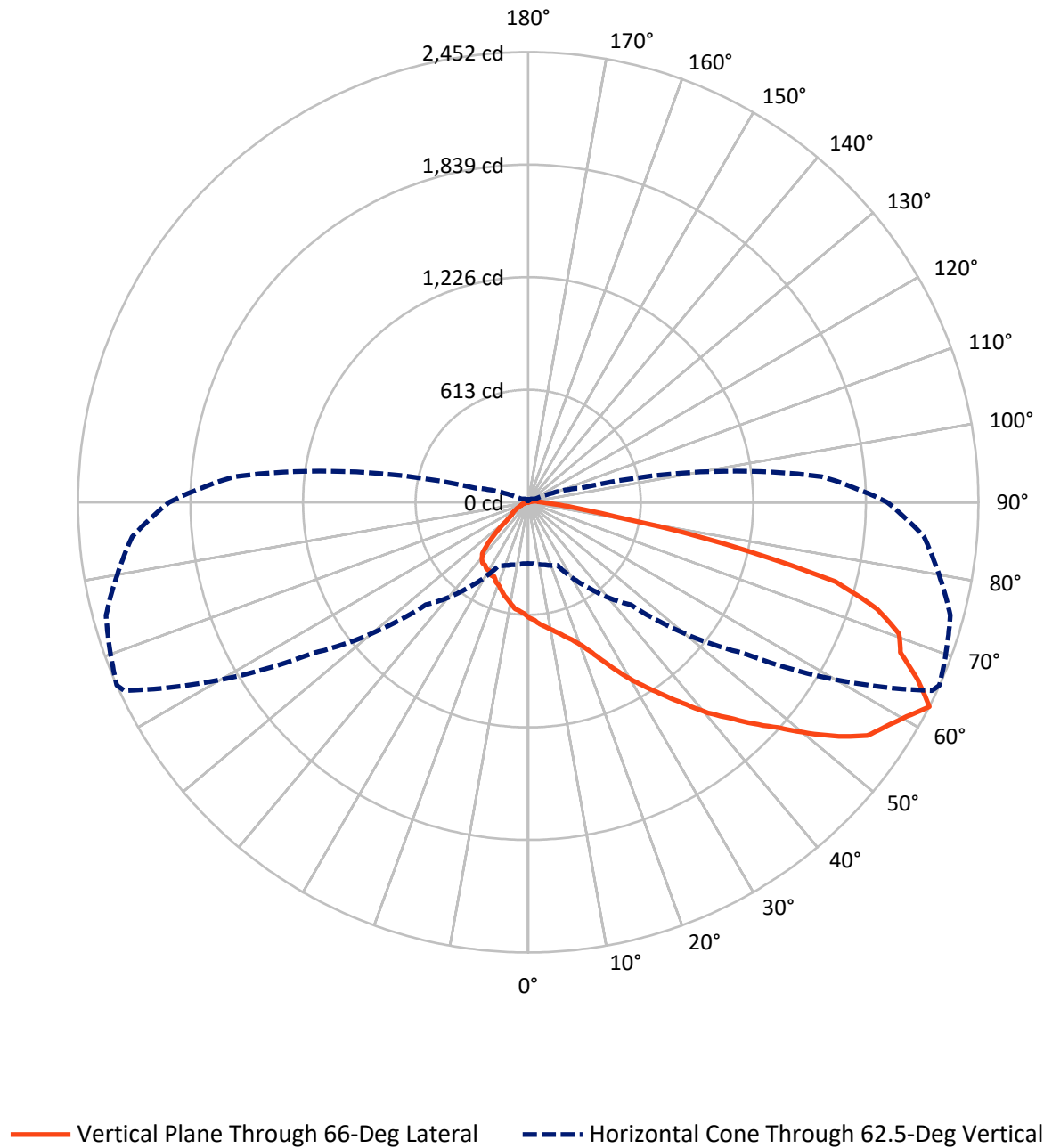


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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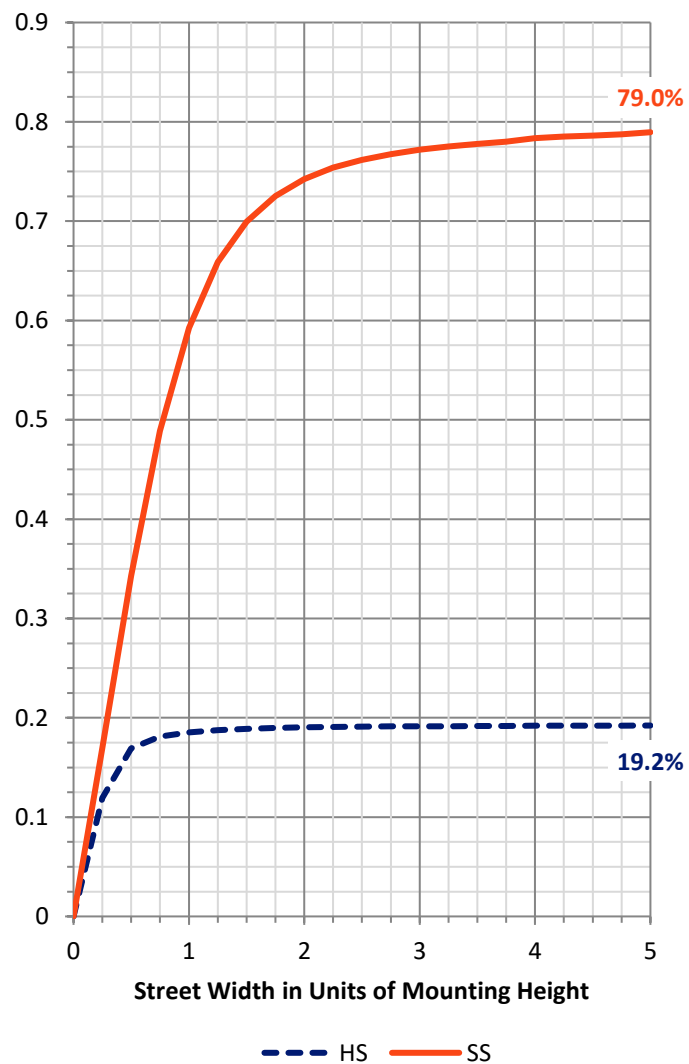
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	679.3	9.6	688.9
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	2768.6	26.6	2795.2
	% Fixture	79.5	0.8	80.2
Total	Lumens	3447.9	36.2	3484.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.8	1.7
10°-20°	175.3	5.0
20°-30°	295.0	8.5
30°-40°	438.7	12.6
40°-50°	580.4	16.7
50°-60°	675.8	19.4
60°-70°	674.6	19.4
70°-80°	452.7	13.0
80°-90°	95.7	2.7
90°-100°	29.1	0.8
100°-110°	5.1	0.1
110°-120°	0.4	0.0
120°-130°	0.4	0.0
130°-140°	0.4	0.0
140°-150°	0.3	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3447.9	99.0
0°-180°	3484.0	100.0

Coefficient of Utilization



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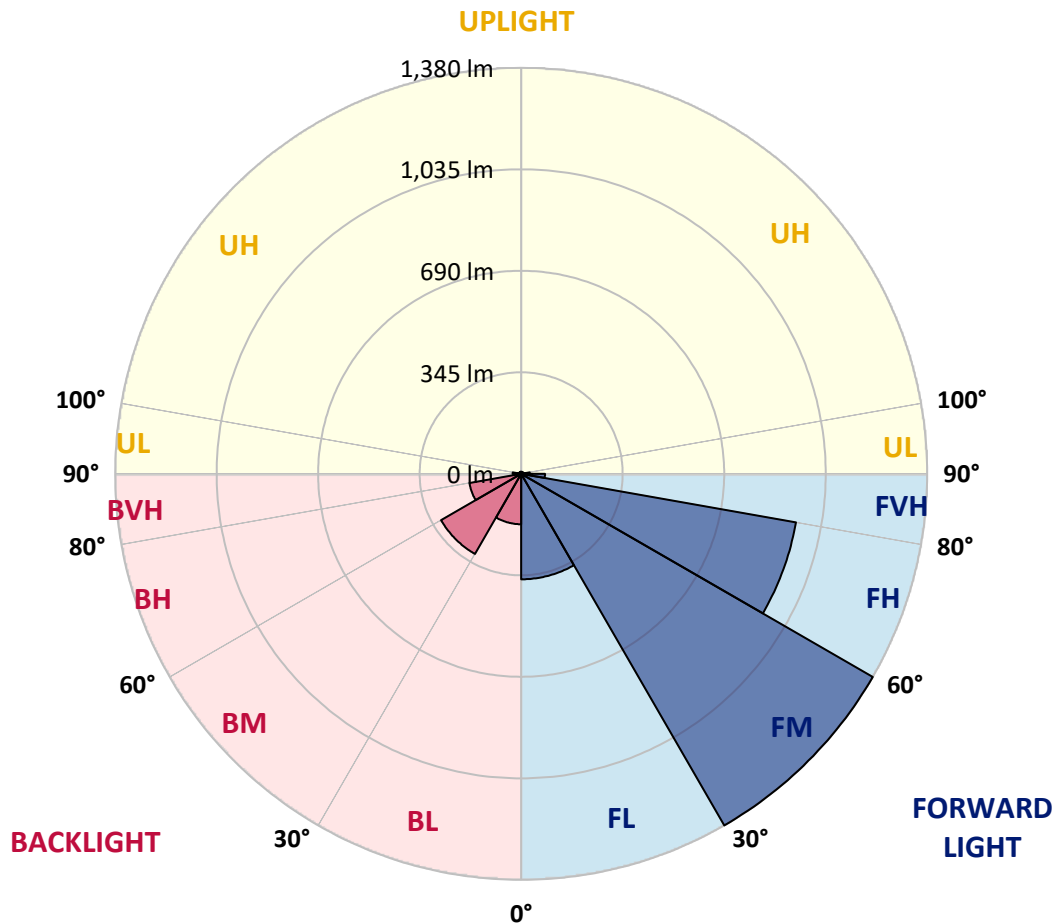
CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	358.7	10.3			
FM	(30°-60°)	1380.2	39.6			
FH	(60°-80°)	948.7	27.2			G1/1800
FVH	(80°-90°)	80.9	2.3			G1/100
BL	(0°-30°)	171.4	4.9	B1/500		
BM	(30°-60°)	314.5	9.0	B1/1000		
BH	(60°-80°)	178.6	5.1	B1/500		G1/500
BVH	(80°-90°)	14.7	0.4			G1/100
UL	(90°-100°)	29.1	0.8		U2/50	
UH	(100°-180°)	7.0	0.2		U1/10	

BUG Rating: B1-U2-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5
2.5°	671.9	668.1	669.4	662.9	656.5	652.6	648.8	642.3	642.3	637.2	630.7
5°	719.6	720.8	719.6	711.8	704.1	692.5	678.4	666.8	666.8	655.2	639.7
7.5°	751.7	750.5	750.5	741.4	736.3	729.9	713.1	687.4	686.1	670.6	651.3
10°	764.6	765.9	771.0	758.2	753.0	744.0	735.0	709.3	706.7	680.9	650.0
12.5°	792.9	794.2	791.6	781.3	774.9	768.5	754.3	732.4	729.9	701.5	659.1
15°	826.4	826.4	822.5	812.2	808.4	799.4	782.6	762.0	759.5	727.3	675.8
17.5°	844.4	847.0	847.0	832.8	834.1	830.3	821.2	794.2	790.4	760.7	699.0
20°	853.4	854.7	857.3	857.3	856.0	854.7	859.9	835.4	832.8	798.1	726.0
22.5°	879.2	881.7	888.2	884.3	888.2	893.3	894.6	893.3	889.5	852.1	771.0
25°	890.8	898.5	907.5	919.1	930.7	938.4	956.4	965.4	962.8	926.8	841.8
27.5°	877.9	885.6	917.8	939.7	975.7	997.6	1031.1	1045.2	1043.9	1014.3	915.2
30°	899.8	902.3	916.5	947.4	993.7	1054.2	1100.6	1122.5	1127.6	1100.6	992.4
32.5°	867.6	876.6	916.5	974.4	1043.9	1108.3	1153.4	1202.3	1208.7	1197.1	1094.1
35°	865.0	871.5	893.3	956.4	1045.2	1164.9	1226.7	1293.7	1298.8	1302.7	1197.1
37.5°	829.0	838.0	881.7	961.6	1083.8	1202.3	1288.5	1385.1	1397.9	1413.4	1283.4
40°	789.1	795.5	832.8	917.8	1074.8	1246.0	1347.7	1495.8	1508.6	1527.9	1397.9
42.5°	729.9	744.0	807.1	898.5	1069.7	1258.9	1406.9	1593.6	1605.2	1632.2	1494.5
45°	677.1	683.5	732.4	832.8	1028.5	1282.1	1457.1	1708.1	1719.7	1732.6	1570.4
47.5°	635.9	643.6	690.0	780.1	987.3	1276.9	1503.5	1821.4	1834.3	1863.9	1664.4
50°	504.6	523.9	641.0	728.6	919.1	1266.6	1543.4	1947.6	1977.2	1988.8	1762.2
52.5°	433.8	440.2	500.7	682.2	852.1	1229.3	1578.1	2085.3	2118.8	2096.9	1893.5
55°	404.2	408.0	437.7	590.8	791.6	1153.4	1606.5	2217.9	2242.3	2172.8	1990.0
57.5°	382.3	388.7	401.6	478.8	720.8	1025.9	1607.7	2291.3	2300.3	2235.9	2036.4
60°	354.0	356.6	383.6	417.1	641.0	893.3	1564.0	2328.6	2368.5	2309.3	2130.4
62.5°	333.4	336.0	352.7	379.7	565.1	789.1	1435.3	2427.7	2452.2	2380.1	2165.1
65°	307.6	311.5	325.7	352.7	512.3	726.0	1370.9	2402.0	2331.2	2363.3	2205.0
67.5°	280.6	283.2	298.6	319.2	436.4	665.5	1211.3	2238.5	2187.0	2279.7	2098.2
70°	252.3	254.9	269.0	283.2	359.1	590.8	1009.2	2099.5	2143.2	2148.4	1997.8
72.5°	222.7	225.3	238.1	249.7	297.3	496.9	801.9	1960.4	1987.5	1909.0	1764.8
75°	193.1	194.4	204.7	216.3	247.1	400.3	574.1	1625.8	1728.7	1824.0	1522.8
77.5°	155.8	158.3	168.6	172.5	198.2	323.1	372.0	966.7	1101.9	1596.2	1367.0
80°	114.6	115.9	126.1	124.9	148.0	235.6	234.3	459.5	494.3	986.0	1004.0
82.5°	75.9	78.5	87.5	85.0	100.4	142.9	146.7	247.1	263.9	382.3	440.2
85°	60.5	61.8	66.9	61.8	66.9	72.1	81.1	149.3	151.9	226.6	225.3
87.5°	48.9	50.2	55.4	51.5	52.8	55.4	64.4	95.3	97.8	142.9	148.0
90°	38.6	39.9	46.3	42.5	42.5	46.3	54.1	70.8	74.7	112.0	121.0
92.5°	25.7	25.7	29.6	28.3	28.3	33.5	47.6	52.8	56.6	104.3	109.4
95°	19.3	19.3	20.6	20.6	20.6	24.5	36.0	50.2	55.4	101.7	99.1
97.5°	12.9	12.9	14.2	14.2	14.2	15.4	20.6	41.2	46.3	82.4	81.1
100°	9.0	9.0	9.0	7.7	7.7	7.7	11.6	27.0	30.9	52.8	52.8
102.5°	6.4	5.1	5.1	5.1	3.9	3.9	5.1	12.9	14.2	28.3	27.0
105°	1.3	1.3	2.6	2.6	2.6	1.3	1.3	5.1	5.1	11.6	11.6
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
167.5°	0.0	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5	629.5
2.5°	626.9	623.0	614.0	606.3	599.8	593.4	583.1	579.3	576.7	580.5	580.5
5°	630.7	620.4	605.0	592.1	580.5	566.4	550.9	541.9	534.2	538.1	538.1
7.5°	637.2	623.0	603.7	581.8	552.2	527.8	508.5	496.9	490.4	494.3	496.9
10°	633.3	617.9	592.1	558.7	523.9	498.2	473.7	455.7	449.2	446.7	449.2
12.5°	637.2	619.2	575.4	535.5	502.0	460.8	431.2	411.9	404.2	404.2	404.2
15°	650.0	623.0	565.1	518.8	467.3	427.4	396.5	375.9	373.3	364.3	364.3
17.5°	668.1	626.9	561.2	493.0	436.4	395.2	359.1	338.5	332.1	333.4	333.4
20°	686.1	634.6	553.5	471.1	408.0	359.1	321.8	302.5	287.1	281.9	284.5
22.5°	717.0	656.5	547.1	459.5	375.9	329.5	288.3	256.2	230.4	222.7	218.8
25°	762.0	691.2	556.1	432.5	356.6	296.1	247.1	202.1	171.2	163.5	162.2
27.5°	844.4	745.3	566.4	432.5	325.7	266.5	196.9	149.3	124.9	117.1	119.7
30°	921.7	818.7	596.0	409.3	312.8	213.7	146.7	112.0	90.1	81.1	83.7
32.5°	986.0	888.2	637.2	404.2	275.5	158.3	106.8	78.5	63.1	57.9	59.2
35°	1078.7	947.4	669.4	386.2	226.6	115.9	74.7	55.4	48.9	46.3	46.3
37.5°	1167.5	1019.5	701.5	382.3	167.3	85.0	50.2	45.1	43.8	39.9	39.9
40°	1252.5	1092.9	715.7	360.4	118.4	55.4	42.5	41.2	39.9	36.0	36.0
42.5°	1356.7	1163.6	728.6	332.1	82.4	41.2	37.3	38.6	37.3	33.5	32.2
45°	1436.5	1211.3	732.4	260.0	52.8	38.6	34.8	36.0	34.8	30.9	30.9
47.5°	1503.5	1275.6	717.0	177.6	43.8	36.0	32.2	33.5	32.2	29.6	28.3
50°	1571.7	1334.9	702.8	95.3	41.2	34.8	30.9	28.3	29.6	27.0	25.7
52.5°	1664.4	1378.6	665.5	57.9	38.6	32.2	28.3	25.7	25.7	23.2	24.5
55°	1791.8	1486.7	596.0	54.1	37.3	30.9	27.0	23.2	23.2	20.6	20.6
57.5°	1848.5	1529.2	484.0	48.9	36.0	30.9	24.5	20.6	18.0	16.7	15.4
60°	1918.0	1592.3	381.0	45.1	33.5	29.6	21.9	18.0	14.2	12.9	12.9
62.5°	1956.6	1605.2	297.3	41.2	32.2	25.7	19.3	14.2	11.6	9.0	9.0
65°	1975.9	1596.2	198.2	37.3	29.6	24.5	16.7	11.6	7.7	6.4	6.4
67.5°	1902.5	1548.5	114.6	34.8	28.3	21.9	14.2	9.0	6.4	5.1	3.9
70°	1777.7	1409.5	72.1	30.9	27.0	19.3	12.9	7.7	5.1	3.9	2.6
72.5°	1630.9	1150.8	52.8	28.3	25.7	16.7	10.3	6.4	3.9	2.6	2.6
75°	1489.3	1002.7	45.1	24.5	21.9	14.2	9.0	5.1	3.9	2.6	1.3
77.5°	1065.8	683.5	39.9	21.9	19.3	11.6	6.4	5.1	2.6	1.3	1.3
80°	756.9	401.6	36.0	18.0	15.4	9.0	6.4	3.9	2.6	1.3	1.3
82.5°	363.0	208.5	34.8	15.4	11.6	7.7	5.1	3.9	2.6	1.3	1.3
85°	164.8	88.8	25.7	14.2	10.3	7.7	5.1	3.9	2.6	2.6	1.3
87.5°	100.4	46.3	20.6	11.6	7.7	6.4	3.9	2.6	2.6	2.6	2.6
90°	94.0	60.5	15.4	9.0	6.4	5.1	3.9	1.3	0.0	0.0	0.0
92.5°	90.1	69.5	11.6	6.4	3.9	3.9	1.3	0.0	0.0	0.0	0.0
95°	85.0	65.6	12.9	3.9	6.4	2.6	1.3	0.0	0.0	0.0	0.0
97.5°	66.9	51.5	14.2	3.9	32.2	2.6	1.3	0.0	0.0	0.0	0.0
100°	42.5	32.2	10.3	3.9	38.6	2.6	0.0	0.0	0.0	0.0	0.0
102.5°	24.5	18.0	5.1	3.9	11.6	1.3	0.0	0.0	0.0	0.0	0.0
105°	10.3	9.0	2.6	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
107.5°	2.6	2.6	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
110°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P691312

CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
115°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
117.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
120°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
122.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
125°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
127.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
130°	1.3	1.3	1.3	2.6	1.3	1.3	1.3	0.0	0.0	0.0	0.0
132.5°	1.3	1.3	1.3	2.6	1.3	1.3	1.3	0.0	0.0	0.0	0.0
135°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
137.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
140°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
142.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
145°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
147.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
150°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
152.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
155°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
157.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
160°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
162.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
165°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
167.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
170°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
172.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.3	1.3	1.3	1.3	1.3	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)