

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: P691128

Luminaire Tested: **CRTK2-C013-D-U-T2-8027-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691128
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-C013-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: 2377 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): 20.4
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



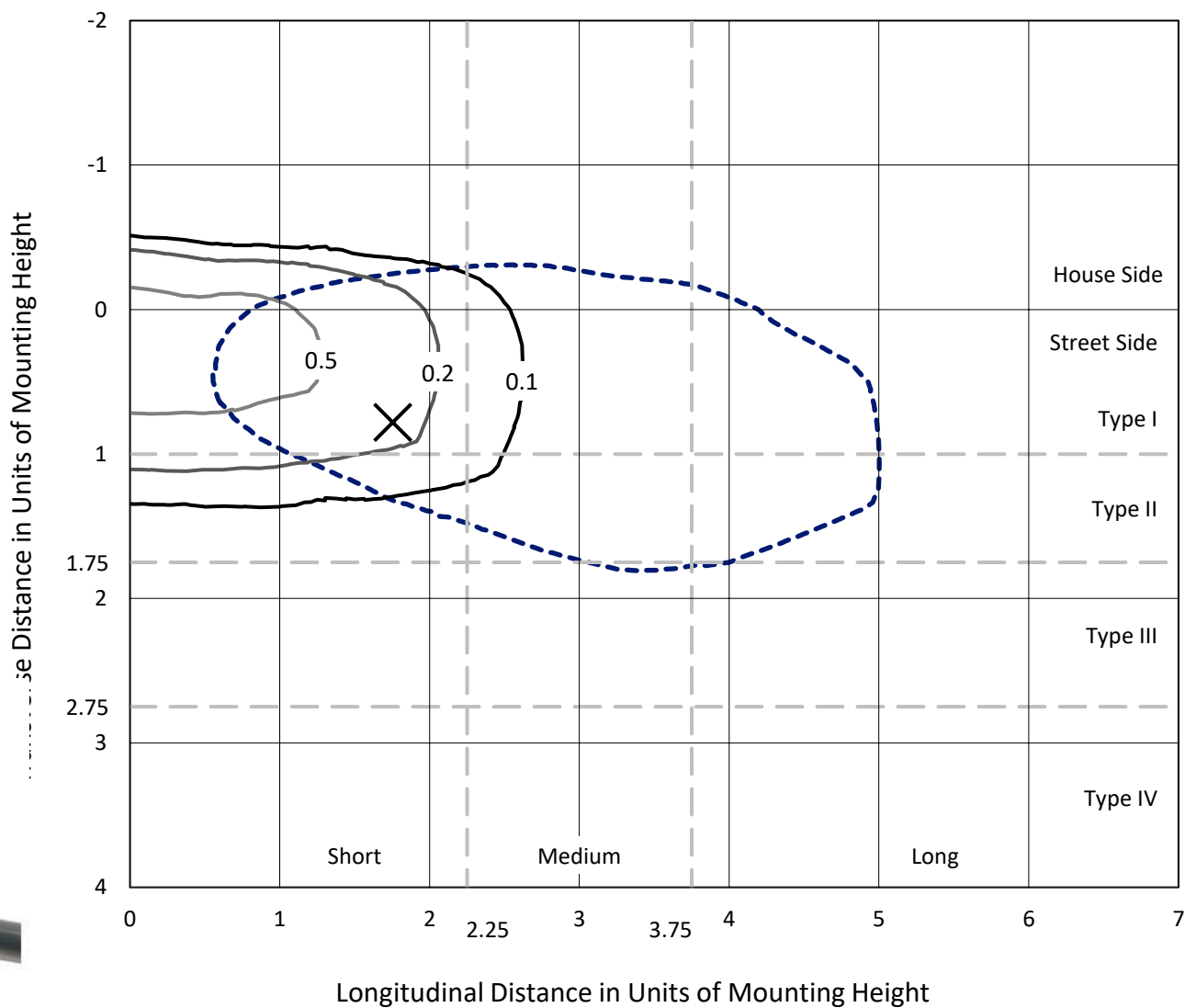
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

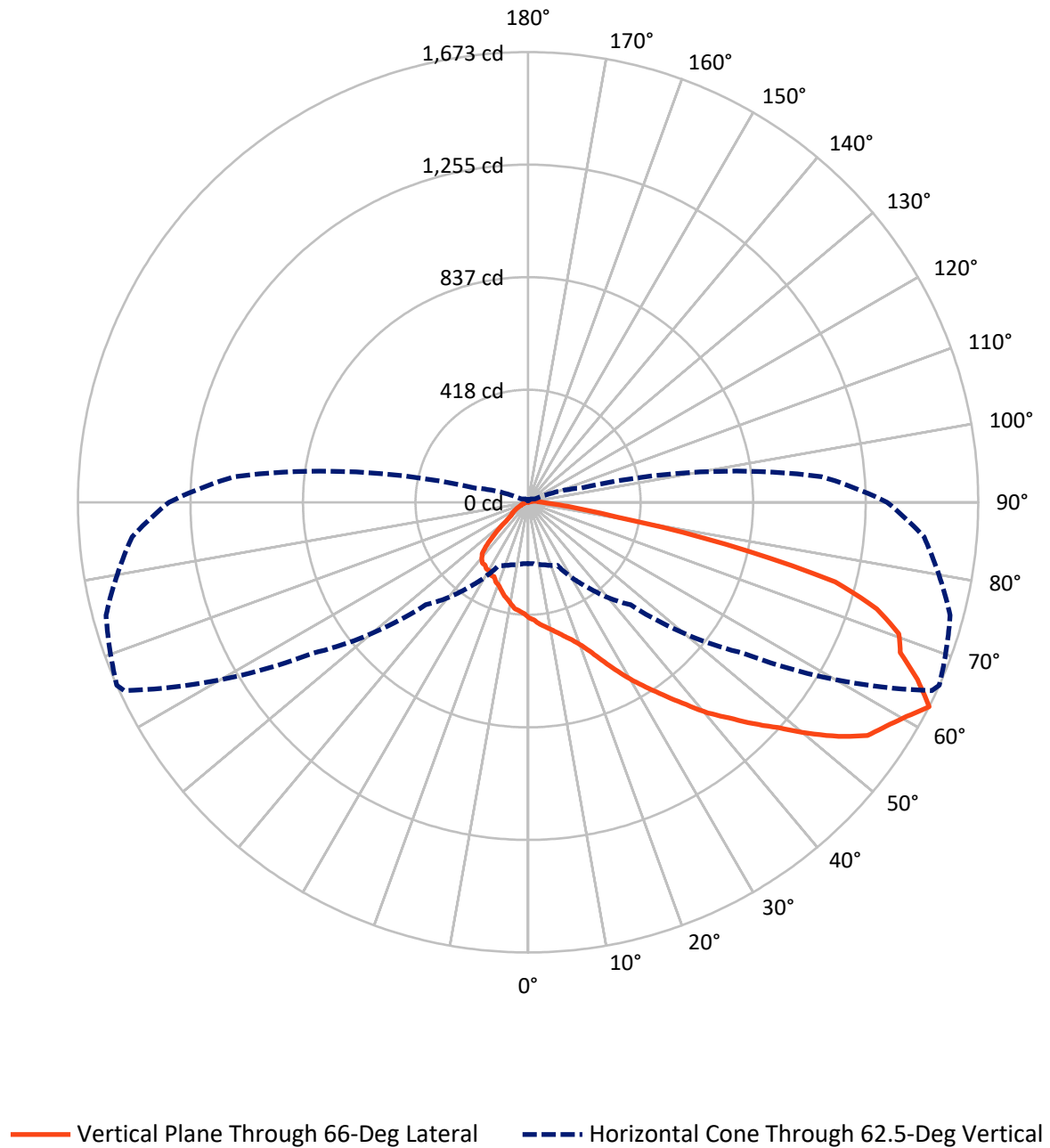


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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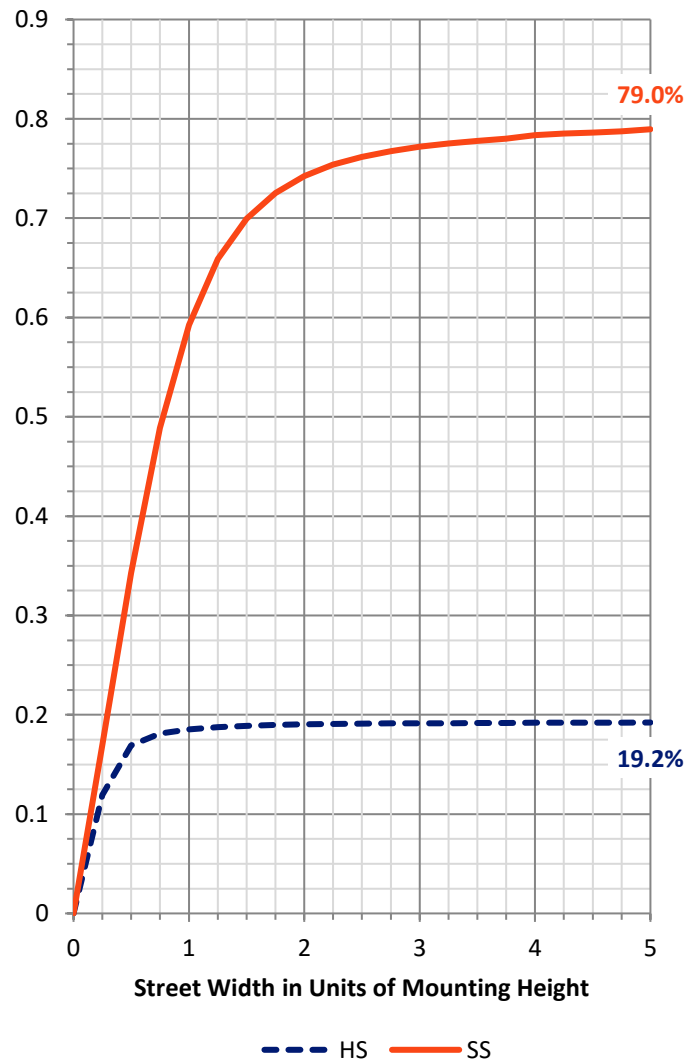
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	463.4	6.6	470.0
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	1888.9	18.1	1907.0
	% Fixture	79.5	0.8	80.2
Total	Lumens	2352.3	24.7	2377.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.8	1.7
10°-20°	119.6	5.0
20°-30°	201.2	8.5
30°-40°	299.3	12.6
40°-50°	396.0	16.7
50°-60°	461.0	19.4
60°-70°	460.3	19.4
70°-80°	308.9	13.0
80°-90°	65.3	2.7
90°-100°	19.9	0.8
100°-110°	3.5	0.1
110°-120°	0.3	0.0
120°-130°	0.3	0.0
130°-140°	0.3	0.0
140°-150°	0.2	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2352.3	99.0
0°-180°	2377.0	100.0

Coefficient of Utilization



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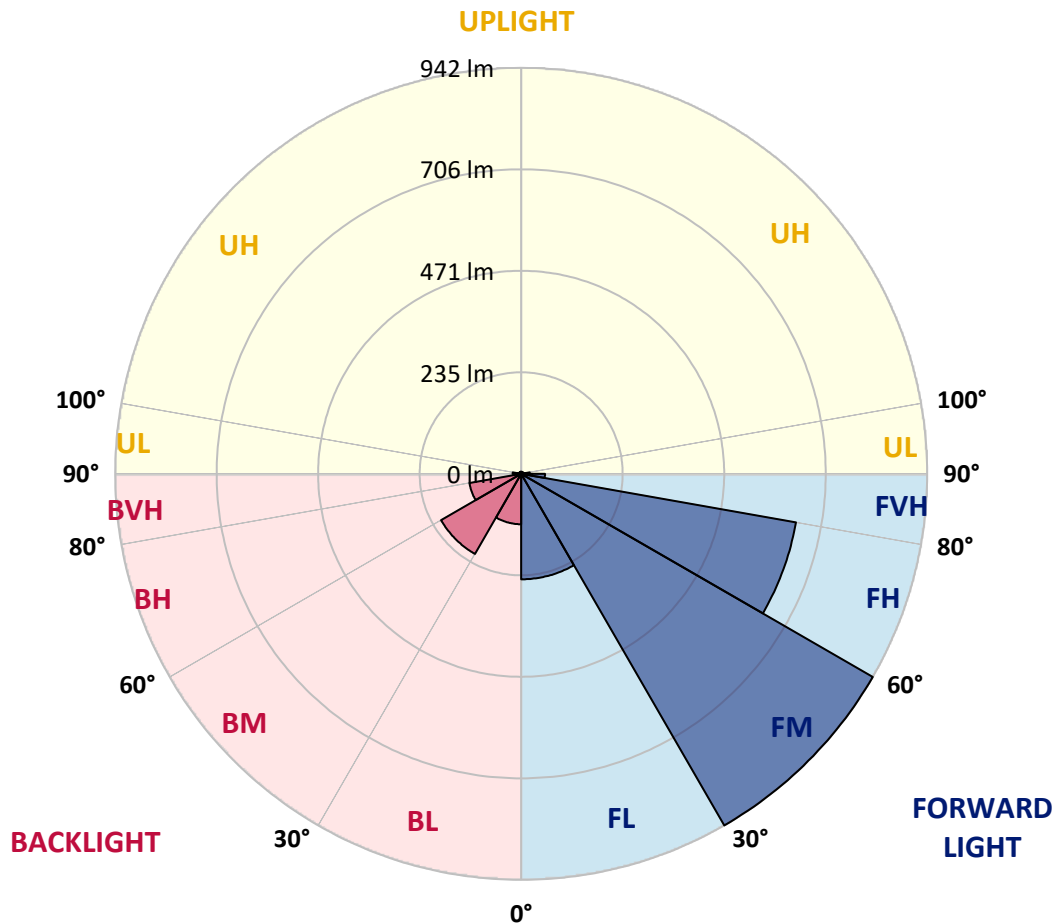
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	244.7	10.3			
FM	(30°-60°)	941.7	39.6			
FH	(60°-80°)	647.3	27.2			G0/660
FVH	(80°-90°)	55.2	2.3			G1/100
BL	(0°-30°)	116.9	4.9	B1/500		
BM	(30°-60°)	214.6	9.0	B0/220		
BH	(60°-80°)	121.9	5.1	B1/500		G1/500
BVH	(80°-90°)	10.0	0.4			G1/100
UL	(90°-100°)	19.9	0.8		U2/50	
UH	(100°-180°)	4.8	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°	429.5	429.5	429.5	429.5	429.5	429.5	429.5	429.5	429.5	429.5	429.5
2.5°	458.4	455.8	456.7	452.3	447.9	445.3	442.6	438.2	438.2	434.7	430.3
5°	490.9	491.8	490.9	485.7	480.4	472.5	462.8	454.9	454.9	447.0	436.5
7.5°	512.9	512.0	512.0	505.9	502.3	498.0	486.5	469.0	468.1	457.6	444.4
10°	521.7	522.5	526.1	517.3	513.8	507.6	501.5	483.9	482.1	464.6	443.5
12.5°	541.0	541.9	540.1	533.1	528.7	524.3	514.6	499.7	498.0	478.6	449.7
15°	563.8	563.8	561.2	554.2	551.5	545.4	534.0	519.9	518.2	496.2	461.1
17.5°	576.1	577.9	577.9	568.2	569.1	566.5	560.3	541.9	539.2	519.0	476.9
20°	582.3	583.1	584.9	584.9	584.0	583.1	586.7	570.0	568.2	544.5	495.3
22.5°	599.8	601.6	606.0	603.3	606.0	609.5	610.4	609.5	606.9	581.4	526.1
25°	607.7	613.0	619.1	627.1	635.0	640.2	652.5	658.7	656.9	632.3	574.4
27.5°	598.9	604.2	626.2	641.1	665.7	680.6	703.5	713.1	712.2	692.0	624.4
30°	613.9	615.6	625.3	646.4	678.0	719.3	750.9	765.8	769.3	750.9	677.1
32.5°	591.9	598.1	625.3	664.8	712.2	756.2	786.9	820.3	824.7	816.7	746.5
35°	590.2	594.6	609.5	652.5	713.1	794.8	836.9	882.6	886.1	888.8	816.7
37.5°	565.6	571.7	601.6	656.0	739.5	820.3	879.1	945.0	953.8	964.3	875.6
40°	538.4	542.7	568.2	626.2	733.3	850.1	919.5	1020.5	1029.3	1042.5	953.8
42.5°	498.0	507.6	550.6	613.0	729.8	858.9	959.9	1087.2	1095.1	1113.6	1019.6
45°	461.9	466.3	499.7	568.2	701.7	874.7	994.1	1165.4	1173.3	1182.1	1071.4
47.5°	433.8	439.1	470.7	532.2	673.6	871.2	1025.8	1242.7	1251.5	1271.7	1135.5
50°	344.3	357.4	437.4	497.1	627.1	864.2	1053.0	1328.8	1349.0	1356.9	1202.3
52.5°	296.0	300.4	341.6	465.5	581.4	838.7	1076.7	1422.7	1445.6	1430.6	1291.9
55°	275.8	278.4	298.6	403.1	540.1	786.9	1096.0	1513.2	1529.9	1482.4	1357.7
57.5°	260.8	265.2	274.0	326.7	491.8	699.9	1096.9	1563.2	1569.4	1525.5	1389.3
60°	241.5	243.3	261.7	284.5	437.4	609.5	1067.0	1588.7	1615.9	1575.5	1453.5
62.5°	227.5	229.2	240.6	259.1	385.5	538.4	979.2	1656.3	1673.0	1623.8	1477.2
65°	209.9	212.5	222.2	240.6	349.5	495.3	935.3	1638.8	1590.5	1612.4	1504.4
67.5°	191.5	193.2	203.7	217.8	297.7	454.0	826.4	1527.2	1492.1	1555.3	1431.5
70°	172.1	173.9	183.5	193.2	245.0	403.1	688.5	1432.4	1462.2	1465.8	1363.0
72.5°	151.9	153.7	162.5	170.4	202.9	339.0	547.1	1337.5	1356.0	1302.4	1204.0
75°	131.7	132.6	139.6	147.5	168.6	273.1	391.7	1109.2	1179.5	1244.4	1038.9
77.5°	106.3	108.0	115.0	117.7	135.2	220.4	253.8	659.5	751.8	1089.0	932.7
80°	78.2	79.0	86.1	85.2	101.0	160.7	159.8	313.5	337.2	672.7	685.0
82.5°	51.8	53.6	59.7	58.0	68.5	97.5	100.1	168.6	180.0	260.8	300.4
85°	41.3	42.2	45.7	42.2	45.7	49.2	55.3	101.9	103.6	154.6	153.7
87.5°	33.4	34.3	37.8	35.1	36.0	37.8	43.9	65.0	66.7	97.5	101.0
90°	26.3	27.2	31.6	29.0	29.0	31.6	36.9	48.3	50.9	76.4	82.6
92.5°	17.6	17.6	20.2	19.3	19.3	22.8	32.5	36.0	38.6	71.1	74.6
95°	13.2	13.2	14.1	14.1	14.1	16.7	24.6	34.3	37.8	69.4	67.6
97.5°	8.8	8.8	9.7	9.7	9.7	10.5	14.1	28.1	31.6	56.2	55.3
100°	6.1	6.1	6.1	5.3	5.3	5.3	7.9	18.4	21.1	36.0	36.0
102.5°	4.4	3.5	3.5	3.5	2.6	2.6	3.5	8.8	9.7	19.3	18.4
105°	0.9	0.9	1.8	1.8	1.8	0.9	0.9	3.5	3.5	7.9	7.9
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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	0.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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	0.9
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°	429.5	429.5	429.5	429.5	429.5	429.5	429.5	429.5	429.5	429.5	429.5
2.5°	427.7	425.1	418.9	413.6	409.3	404.9	397.8	395.2	393.4	396.1	396.1
5°	430.3	423.3	412.8	404.0	396.1	386.4	375.9	369.7	364.5	367.1	367.1
7.5°	434.7	425.1	411.9	397.0	376.8	360.1	346.9	339.0	334.6	337.2	339.0
10°	432.1	421.5	404.0	381.1	357.4	339.9	323.2	310.9	306.5	304.7	306.5
12.5°	434.7	422.4	392.6	365.3	342.5	314.4	294.2	281.0	275.8	275.8	275.8
15°	443.5	425.1	385.5	353.9	318.8	291.6	270.5	256.4	254.7	248.5	248.5
17.5°	455.8	427.7	382.9	336.4	297.7	269.6	245.0	231.0	226.6	227.5	227.5
20°	468.1	433.0	377.6	321.4	278.4	245.0	219.6	206.4	195.8	192.3	194.1
22.5°	489.2	447.9	373.2	313.5	256.4	224.8	196.7	174.8	157.2	151.9	149.3
25°	519.9	471.6	379.4	295.1	243.3	202.0	168.6	137.9	116.8	111.5	110.7
27.5°	576.1	508.5	386.4	295.1	222.2	181.8	134.4	101.9	85.2	79.9	81.7
30°	628.8	558.5	406.6	279.3	213.4	145.8	100.1	76.4	61.5	55.3	57.1
32.5°	672.7	606.0	434.7	275.8	187.9	108.0	72.9	53.6	43.0	39.5	40.4
35°	736.0	646.4	456.7	263.5	154.6	79.0	50.9	37.8	33.4	31.6	31.6
37.5°	796.5	695.6	478.6	260.8	114.2	58.0	34.3	30.7	29.9	27.2	27.2
40°	854.5	745.6	488.3	245.9	80.8	37.8	29.0	28.1	27.2	24.6	24.6
42.5°	925.6	793.9	497.1	226.6	56.2	28.1	25.5	26.3	25.5	22.8	22.0
45°	980.1	826.4	499.7	177.4	36.0	26.3	23.7	24.6	23.7	21.1	21.1
47.5°	1025.8	870.3	489.2	121.2	29.9	24.6	22.0	22.8	22.0	20.2	19.3
50°	1072.3	910.7	479.5	65.0	28.1	23.7	21.1	19.3	20.2	18.4	17.6
52.5°	1135.5	940.6	454.0	39.5	26.3	22.0	19.3	17.6	17.6	15.8	16.7
55°	1222.5	1014.3	406.6	36.9	25.5	21.1	18.4	15.8	15.8	14.1	14.1
57.5°	1261.1	1043.3	330.2	33.4	24.6	21.1	16.7	14.1	12.3	11.4	10.5
60°	1308.6	1086.4	260.0	30.7	22.8	20.2	14.9	12.3	9.7	8.8	8.8
62.5°	1334.9	1095.1	202.9	28.1	22.0	17.6	13.2	9.7	7.9	6.1	6.1
65°	1348.1	1089.0	135.2	25.5	20.2	16.7	11.4	7.9	5.3	4.4	4.4
67.5°	1298.0	1056.5	78.2	23.7	19.3	14.9	9.7	6.1	4.4	3.5	2.6
70°	1212.8	961.7	49.2	21.1	18.4	13.2	8.8	5.3	3.5	2.6	1.8
72.5°	1112.7	785.1	36.0	19.3	17.6	11.4	7.0	4.4	2.6	1.8	1.8
75°	1016.1	684.1	30.7	16.7	14.9	9.7	6.1	3.5	2.6	1.8	0.9
77.5°	727.2	466.3	27.2	14.9	13.2	7.9	4.4	3.5	1.8	0.9	0.9
80°	516.4	274.0	24.6	12.3	10.5	6.1	4.4	2.6	1.8	0.9	0.9
82.5°	247.7	142.3	23.7	10.5	7.9	5.3	3.5	2.6	1.8	0.9	0.9
85°	112.4	60.6	17.6	9.7	7.0	5.3	3.5	2.6	1.8	1.8	0.9
87.5°	68.5	31.6	14.1	7.9	5.3	4.4	2.6	1.8	1.8	1.8	1.8
90°	64.1	41.3	10.5	6.1	4.4	3.5	2.6	0.9	0.0	0.0	0.0
92.5°	61.5	47.4	7.9	4.4	2.6	2.6	0.9	0.0	0.0	0.0	0.0
95°	58.0	44.8	8.8	2.6	4.4	1.8	0.9	0.0	0.0	0.0	0.0
97.5°	45.7	35.1	9.7	2.6	22.0	1.8	0.9	0.0	0.0	0.0	0.0
100°	29.0	22.0	7.0	2.6	26.3	1.8	0.0	0.0	0.0	0.0	0.0
102.5°	16.7	12.3	3.5	2.6	7.9	0.9	0.0	0.0	0.0	0.0	0.0
105°	7.0	6.1	1.8	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
107.5°	1.8	1.8	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
110°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C013-D-U-T2-8027-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
115°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
117.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
120°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
122.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
125°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
127.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
130°	0.9	0.9	0.9	1.8	0.9	0.9	0.9	0.0	0.0	0.0	0.0
132.5°	0.9	0.9	0.9	1.8	0.9	0.9	0.9	0.0	0.0	0.0	0.0
135°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
145°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
147.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
150°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
152.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
155°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
160°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
162.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
165°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
167.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
170°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
172.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.9	0.9	0.9	0.9	0.9	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)