

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: P691116

Luminaire Tested: **CRTK2-C013-D-U-T2-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691116
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-D-U-T2-7040-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2969 lumens
Efficiency: N/A
Efficacy: 145.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B1 - U3 - 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

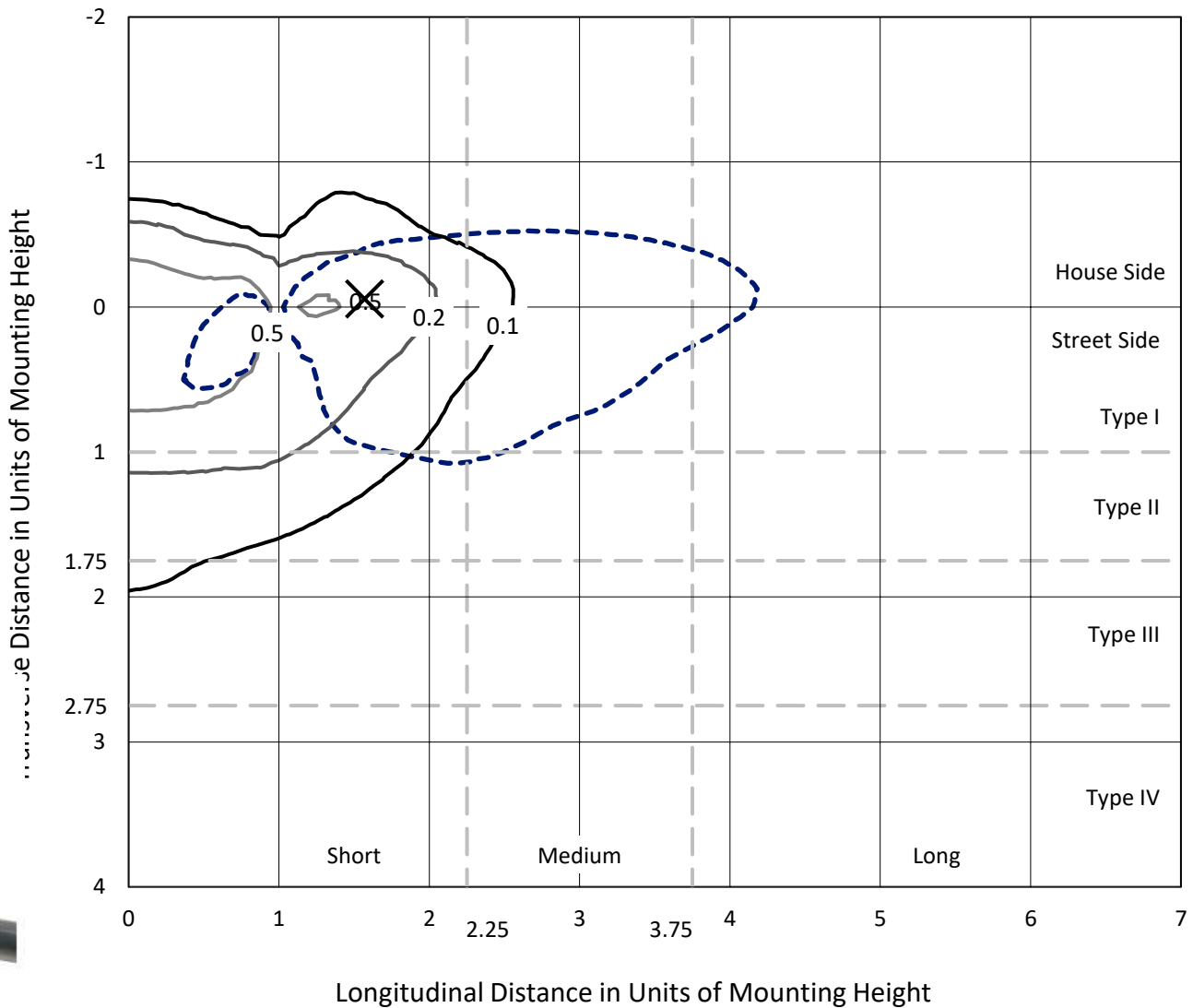


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

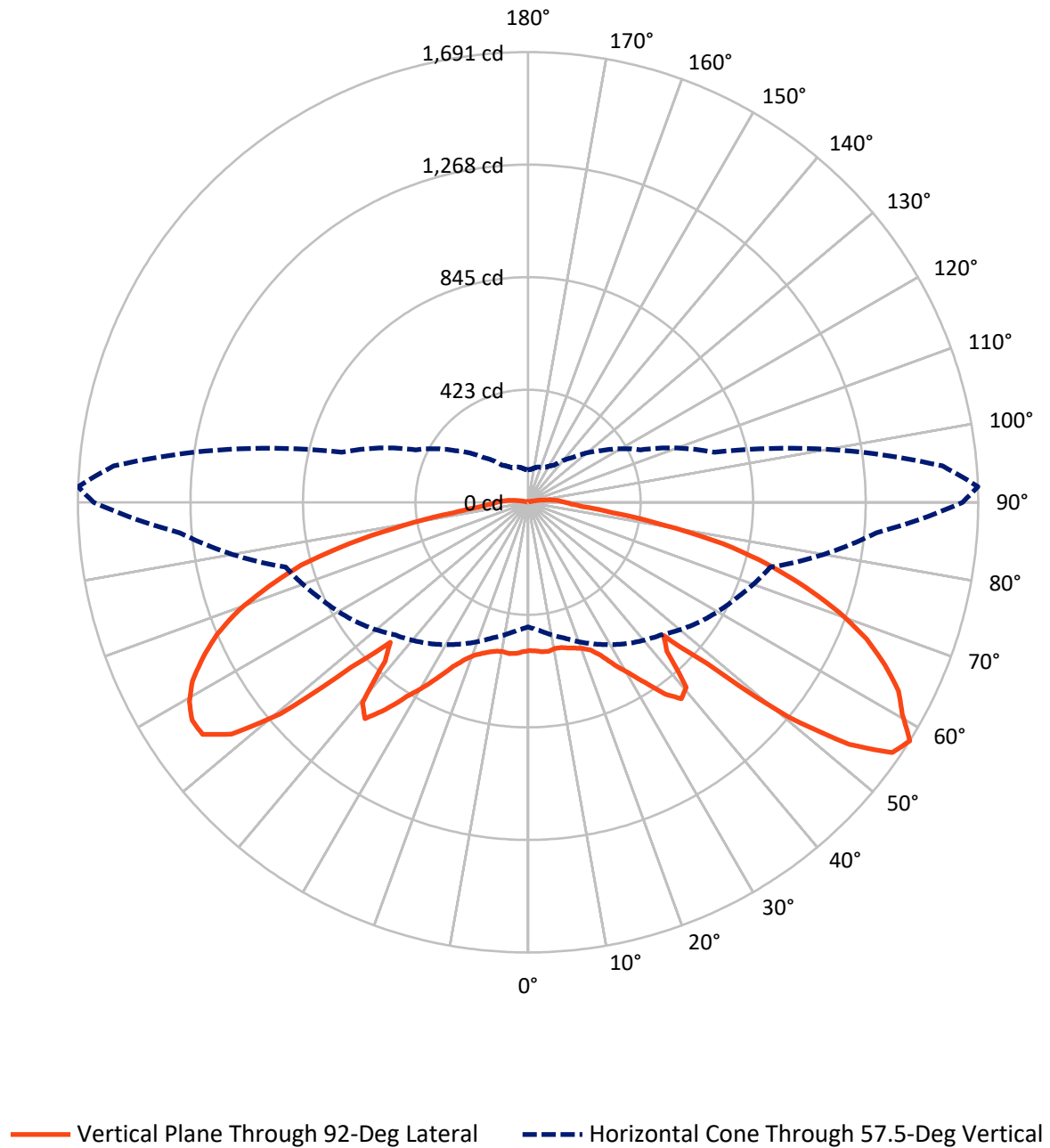


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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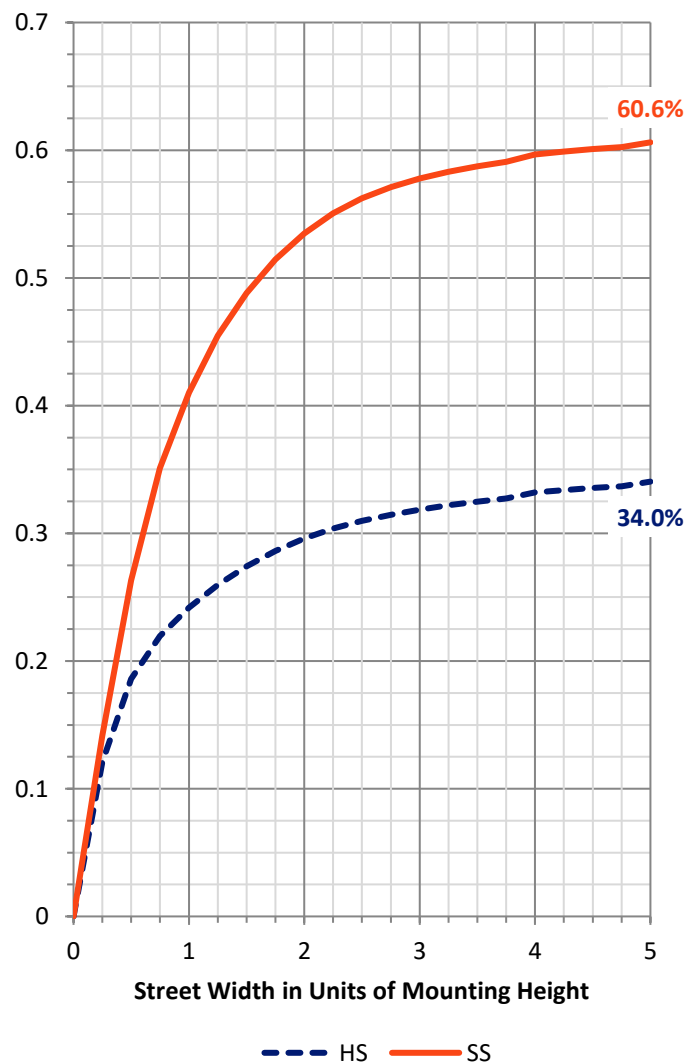
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1059.4	46.3	1105.7
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	1825.5	37.8	1863.3
	% Fixture	61.5	1.3	62.8
Total	Lumens	2884.9	84.1	2969.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	1.8
10°-20°	157.3	5.3
20°-30°	260.9	8.8
30°-40°	361.1	12.2
40°-50°	337.2	11.4
50°-60°	503.9	17.0
60°-70°	598.5	20.2
70°-80°	439.3	14.8
80°-90°	173.2	5.8
90°-100°	61.0	2.1
100°-110°	14.4	0.5
110°-120°	5.6	0.2
120°-130°	2.8	0.1
130°-140°	0.3	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2884.9	97.2
0°-180°	2969.0	100.0

Coefficient of Utilization



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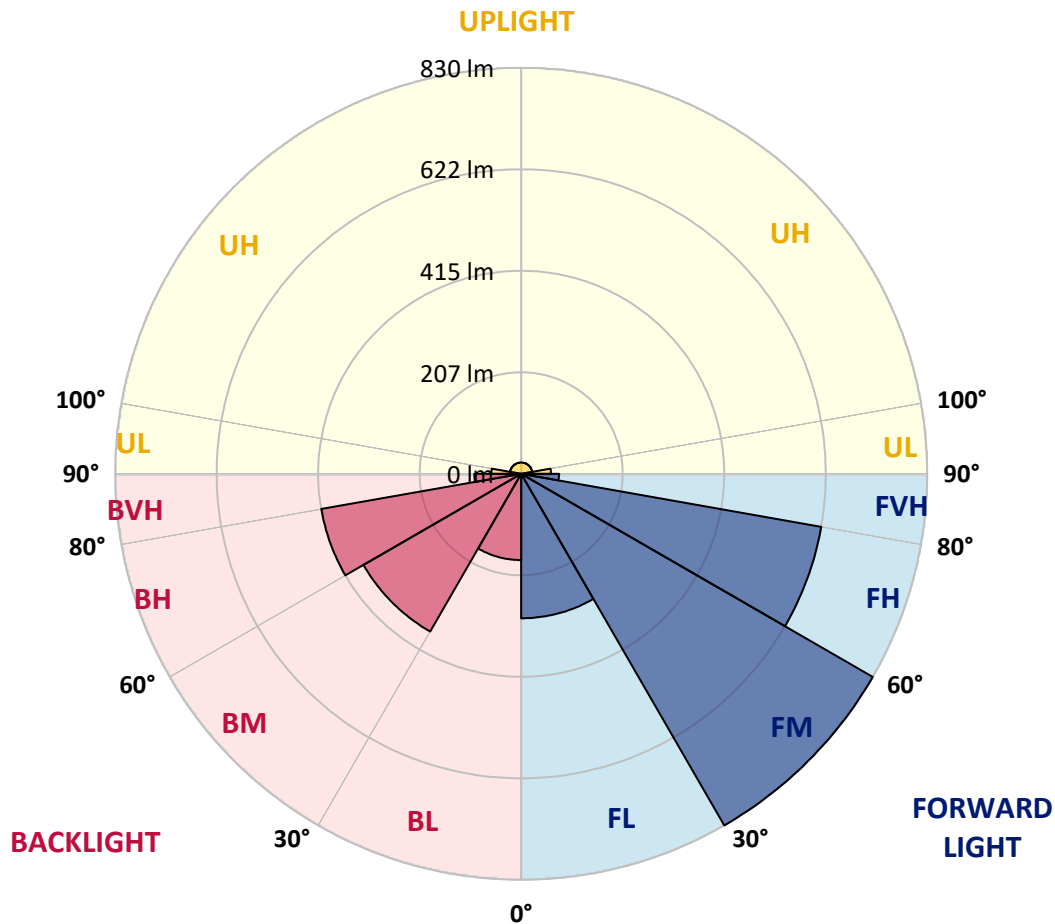
CATALOG NUMBER: CRTK2-C013-D-U-T2-7040-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	295.3	9.9			
FM	(30°-60°)	829.9	28.0			
FH	(60°-80°)	622.8	21.0			G0/660
FVH	(80°-90°)	77.4	2.6			G1/100
BL	(0°-30°)	176.3	5.9	B1/500		
BM	(30°-60°)	372.3	12.5	B1/1000		
BH	(60°-80°)	415.0	14.0	B1/500		G1/500
BVH	(80°-90°)	95.8	3.2			G1/100
UL	(90°-100°)	61.0	2.1		U3/500	
UH	(100°-180°)	23.1	0.8		U2/50	

BUG Rating: B1-U3-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	556.9	556.9	556.9	556.9	556.9	556.9	556.9	556.9	556.9	556.9	556.9
2.5°	580.9	576.9	577.9	576.9	574.9	572.9	570.9	568.9	565.9	562.9	560.9
5°	614.9	610.9	610.9	610.9	606.9	600.9	592.9	587.9	580.9	572.9	566.9
7.5°	637.9	634.9	633.9	632.9	627.9	623.9	614.9	598.9	587.9	577.9	568.9
10°	645.9	645.9	644.9	641.9	636.9	631.9	625.9	610.9	592.9	575.9	563.9
12.5°	660.9	662.9	659.9	654.9	652.9	646.9	637.9	625.9	605.9	579.9	565.9
15°	683.9	682.9	678.9	677.9	675.9	668.9	660.9	645.9	622.9	589.9	573.9
17.5°	693.9	692.9	692.9	692.9	692.9	687.9	686.9	669.9	645.9	605.9	585.9
20°	695.9	695.9	698.9	705.9	706.9	705.9	710.9	699.9	671.9	625.9	598.9
22.5°	708.9	709.9	714.9	721.9	726.9	728.9	732.9	737.9	711.9	657.9	623.9
25°	701.9	706.9	717.9	728.9	740.9	747.9	769.9	786.9	764.9	704.9	658.9
27.5°	689.9	693.9	715.9	735.9	762.9	791.9	823.9	845.9	832.9	762.9	714.9
30°	700.9	700.9	714.9	747.9	782.9	835.9	882.9	906.9	900.9	823.9	779.9
32.5°	677.9	683.9	713.9	761.9	814.9	883.9	931.9	976.9	982.9	902.9	831.9
35°	609.9	622.9	642.9	705.9	795.9	915.9	989.9	1046.9	1071.9	992.9	909.9
37.5°	503.9	508.9	550.9	613.9	720.9	839.9	967.9	1106.9	1158.9	1060.9	987.9
40°	444.9	447.9	474.9	529.9	619.9	736.9	844.9	987.9	1028.9	1018.9	949.9
42.5°	425.0	430.0	461.9	514.9	590.9	671.9	699.9	761.9	745.9	788.9	810.9
45°	448.9	451.9	474.9	520.9	568.9	603.9	583.9	627.9	649.9	734.9	739.9
47.5°	465.9	467.9	492.9	550.9	558.9	559.9	586.9	612.9	673.9	857.9	939.9
50°	400.0	410.0	457.9	507.9	511.9	590.9	667.9	719.9	794.9	1129.9	1286.9
52.5°	371.0	376.0	428.0	514.9	572.9	664.9	719.9	771.9	843.9	1247.9	1523.8
55°	407.0	415.0	476.9	573.9	631.9	694.9	763.9	827.9	898.9	1308.8	1629.8
57.5°	467.9	482.9	527.9	586.9	647.9	704.9	784.9	858.9	941.9	1312.8	1631.8
60°	588.9	577.9	552.9	578.9	637.9	702.9	794.9	873.9	965.9	1311.8	1585.8
62.5°	671.9	655.9	572.9	560.9	615.9	681.9	772.9	871.9	960.9	1267.9	1533.8
65°	655.9	644.9	580.9	536.9	576.9	647.9	742.9	859.9	936.9	1220.9	1439.8
67.5°	565.9	552.9	525.9	508.9	528.9	611.9	714.9	835.9	908.9	1166.9	1336.8
70°	461.9	454.9	445.9	463.9	488.9	566.9	663.9	783.9	855.9	1063.9	1226.9
72.5°	392.0	388.0	377.0	396.0	437.9	507.9	588.9	708.9	789.9	924.9	1090.9
75°	330.0	331.0	325.0	337.0	364.0	433.0	496.9	613.9	703.9	793.9	943.9
77.5°	271.0	268.0	274.0	281.0	299.0	349.0	392.0	493.9	600.9	629.9	723.9
80°	198.0	203.0	214.0	213.0	228.0	250.0	279.0	333.0	422.0	450.9	486.9
82.5°	140.0	146.0	156.0	145.0	147.0	153.0	166.0	191.0	238.0	267.0	297.0
85°	99.0	102.0	104.0	96.0	96.0	100.0	109.0	127.0	156.0	174.0	190.0
87.5°	72.0	73.0	77.0	73.0	74.0	76.0	84.0	96.0	120.0	133.0	146.0
90°	55.0	55.0	57.0	56.0	58.0	62.0	70.0	80.0	98.0	114.0	126.0
92.5°	40.0	40.0	42.0	43.0	44.0	49.0	56.0	64.0	76.0	96.0	108.0
95°	31.0	31.0	33.0	33.0	34.0	38.0	44.0	52.0	61.0	75.0	86.0
97.5°	23.0	23.0	25.0	25.0	26.0	29.0	34.0	39.0	47.0	56.0	61.0
100°	18.0	18.0	19.0	19.0	20.0	23.0	26.0	29.0	31.0	36.0	38.0
102.5°	15.0	15.0	15.0	15.0	15.0	17.0	18.0	18.0	19.0	22.0	23.0
105°	12.0	12.0	12.0	11.0	11.0	12.0	12.0	12.0	13.0	13.0	14.0
107.5°	9.0	9.0	9.0	9.0	9.0	10.0	10.0	10.0	10.0	11.0	11.0
110°	8.0	8.0	8.0	8.0	8.0	8.0	9.0	9.0	9.0	9.0	9.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7.0	7.0	7.0	7.0	7.0	7.0	8.0	8.0	8.0	8.0	8.0
115°	6.0	6.0	6.0	6.0	6.0	7.0	8.0	7.0	7.0	7.0	7.0
117.5°	5.0	5.0	5.0	6.0	6.0	6.0	7.0	6.0	6.0	6.0	7.0
120°	4.0	4.0	5.0	5.0	5.0	5.0	5.0	5.0	6.0	6.0	6.0
122.5°	4.0	4.0	4.0	4.0	4.0	5.0	5.0	5.0	5.0	5.0	6.0
125°	3.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0
127.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0
130°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0
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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	556.9	556.9	556.9	556.9	556.9	556.9	556.9	556.9	556.9	556.9	556.9
2.5°	558.9	558.9	552.9	546.9	540.9	534.9	529.9	526.9	522.9	523.9	523.9
5°	563.9	560.9	547.9	539.9	530.9	522.9	514.9	507.9	505.9	504.9	500.9
7.5°	564.9	559.9	545.9	533.9	516.9	497.9	488.9	480.9	475.9	479.9	477.9
10°	557.9	551.9	535.9	517.9	493.9	477.9	463.9	455.9	451.9	452.9	451.9
12.5°	559.9	552.9	526.9	499.9	479.9	452.9	436.0	429.0	424.0	424.0	421.0
15°	567.9	555.9	518.9	490.9	457.9	435.0	415.0	410.0	408.0	406.0	403.0
17.5°	575.9	558.9	517.9	474.9	437.9	413.0	393.0	384.0	379.0	379.0	378.0
20°	585.9	564.9	511.9	457.9	419.0	386.0	362.0	354.0	350.0	349.0	347.0
22.5°	602.9	580.9	508.9	450.9	394.0	360.0	337.0	322.0	314.0	313.0	313.0
25°	636.9	609.9	514.9	432.0	377.0	333.0	305.0	290.0	281.0	281.0	280.0
27.5°	690.9	647.9	523.9	425.0	345.0	304.0	275.0	252.0	244.0	244.0	245.0
30°	743.9	705.9	546.9	410.0	327.0	266.0	231.0	214.0	204.0	200.0	201.0
32.5°	806.9	766.9	578.9	400.0	291.0	221.0	189.0	180.0	165.0	161.0	158.0
35°	883.9	825.9	614.9	386.0	263.0	188.0	162.0	144.0	137.0	132.0	131.0
37.5°	935.9	884.9	646.9	389.0	224.0	170.0	141.0	122.0	115.0	116.0	116.0
40°	913.9	854.9	654.9	369.0	191.0	148.0	118.0	107.0	103.0	104.0	105.0
42.5°	763.9	732.9	541.9	330.0	158.0	119.0	99.0	99.0	102.0	99.0	99.0
45°	713.9	635.9	394.0	232.0	119.0	98.0	94.0	97.0	104.0	104.0	104.0
47.5°	903.9	815.9	353.0	194.0	133.0	110.0	102.0	97.0	98.0	97.0	97.0
50°	1267.9	1129.9	473.9	242.0	161.0	131.0	116.0	106.0	106.0	104.0	102.0
52.5°	1509.8	1364.8	576.9	303.0	202.0	153.0	133.0	115.0	109.0	105.0	104.0
55°	1659.8	1549.8	665.9	388.0	263.0	182.0	148.0	129.0	120.0	112.0	111.0
57.5°	1690.8	1562.8	724.9	465.9	339.0	239.0	170.0	143.0	137.0	124.0	122.0
60°	1614.8	1529.8	747.9	516.9	405.0	315.0	222.0	166.0	153.0	144.0	142.0
62.5°	1561.8	1463.8	739.9	533.9	445.9	378.0	292.0	204.0	167.0	168.0	177.0
65°	1472.8	1406.8	680.9	508.9	443.9	399.0	328.0	236.0	172.0	170.0	181.0
67.5°	1370.8	1318.8	621.9	453.9	409.0	370.0	305.0	225.0	163.0	153.0	154.0
70°	1239.9	1195.9	561.9	423.0	377.0	328.0	265.0	195.0	161.0	145.0	145.0
72.5°	1088.9	1036.9	511.9	400.0	360.0	315.0	254.0	188.0	173.0	167.0	172.0
75°	928.9	862.9	472.9	378.0	348.0	315.0	253.0	188.0	173.0	168.0	168.0
77.5°	748.9	709.9	431.0	343.0	324.0	300.0	233.0	175.0	170.0	168.0	168.0
80°	517.9	511.9	351.0	298.0	293.0	284.0	219.0	169.0	169.0	166.0	162.0
82.5°	318.0	303.0	251.0	223.0	240.0	253.0	199.0	159.0	155.0	152.0	150.0
85°	206.0	207.0	176.0	156.0	166.0	193.0	168.0	144.0	138.0	140.0	140.0
87.5°	158.0	163.0	138.0	127.0	125.0	131.0	132.0	129.0	125.0	122.0	123.0
90°	136.0	138.0	111.0	102.0	101.0	103.0	103.0	109.0	109.0	99.0	93.0
92.5°	114.0	117.0	92.0	83.0	83.0	86.0	88.0	88.0	80.0	65.0	58.0
95°	90.0	92.0	73.0	66.0	67.0	67.0	66.0	63.0	49.0	29.0	26.0
97.5°	63.0	64.0	54.0	50.0	51.0	49.0	43.0	39.0	30.0	17.0	16.0
100°	40.0	41.0	34.0	33.0	36.0	32.0	28.0	26.0	18.0	11.0	13.0
102.5°	24.0	24.0	21.0	20.0	22.0	19.0	17.0	14.0	11.0	7.0	9.0
105°	14.0	14.0	13.0	13.0	13.0	12.0	11.0	9.0	6.0	5.0	5.0
107.5°	11.0	11.0	10.0	10.0	9.0	9.0	8.0	6.0	4.0	3.0	3.0
110°	9.0	9.0	8.0	8.0	8.0	7.0	6.0	5.0	3.0	2.0	2.0



REPORT NUMBER: P691116

CATALOG NUMBER: CRTK2-C013-D-U-T2-7040-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.0	8.0	7.0	7.0	6.0	6.0	5.0	4.0	3.0	2.0	2.0
115°	7.0	7.0	6.0	5.0	5.0	5.0	4.0	3.0	2.0	1.0	2.0
117.5°	7.0	7.0	5.0	4.0	4.0	4.0	3.0	3.0	2.0	1.0	1.0
120°	6.0	6.0	4.0	4.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0
122.5°	5.0	5.0	4.0	3.0	3.0	3.0	2.0	2.0	1.0	1.0	1.0
125°	5.0	5.0	3.0	3.0	3.0	2.0	2.0	2.0	1.0	0.0	0.0
127.5°	4.0	4.0	3.0	3.0	2.0	2.0	2.0	1.0	1.0	0.0	0.0
130°	3.0	3.0	3.0	3.0	2.0	2.0	2.0	1.0	1.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0
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

(END OF REPORT)