

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: P691039

Luminaire Tested: **CRTK2-C013-5TLD-U-T2-8027-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691039
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T2-8027-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2614 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B1 - U2 - G1

Input Watts (W): 23.2
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

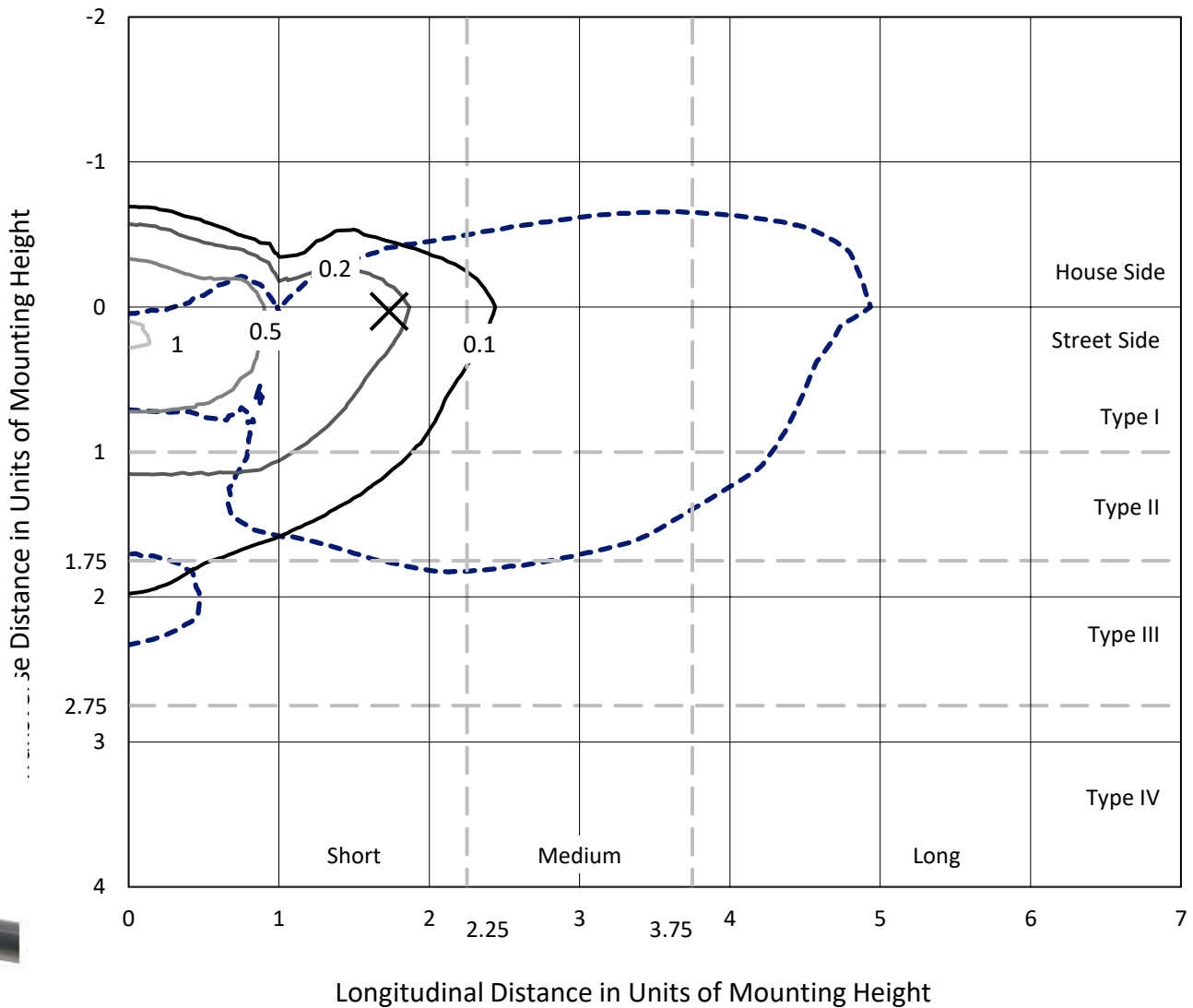


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

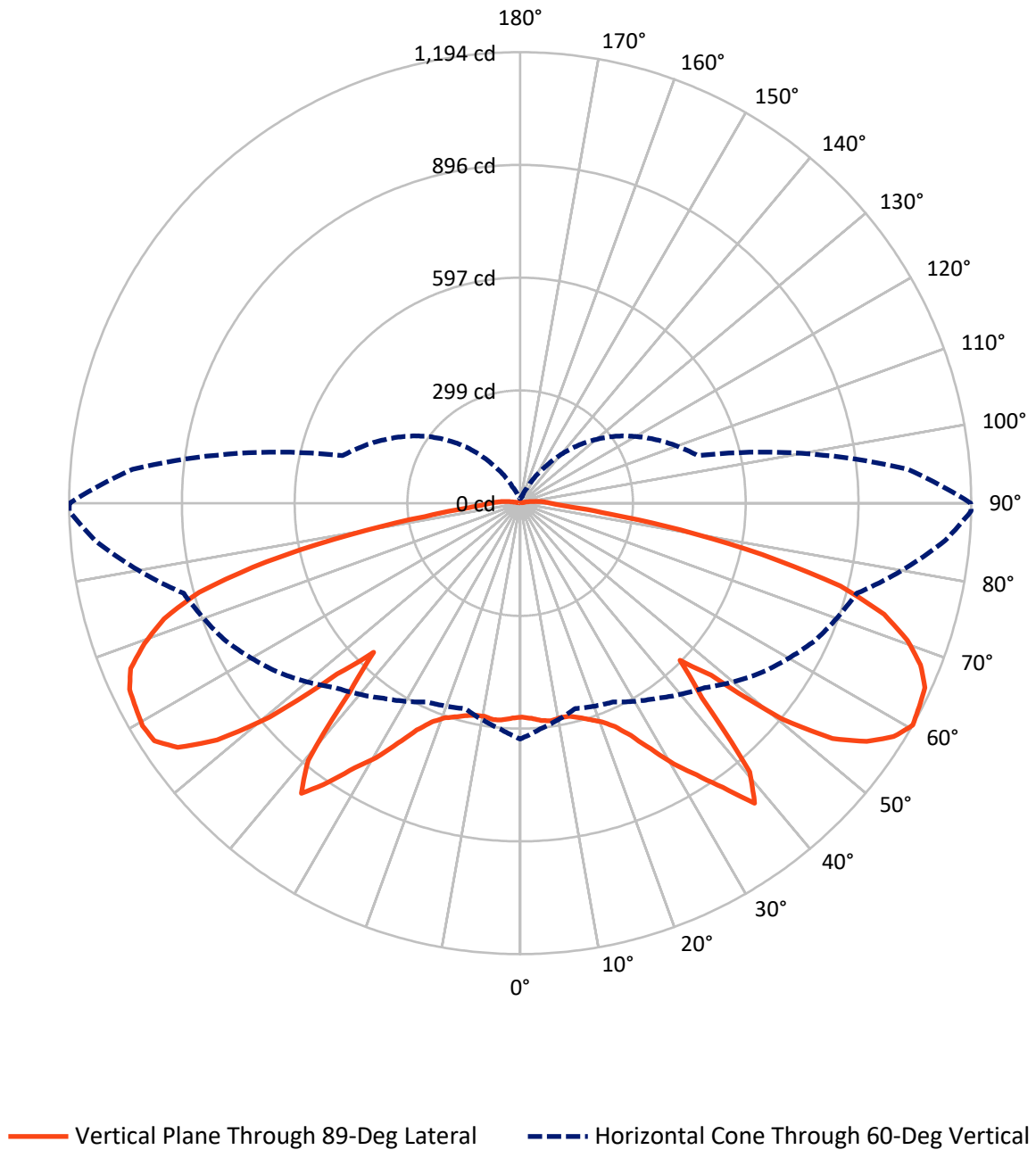


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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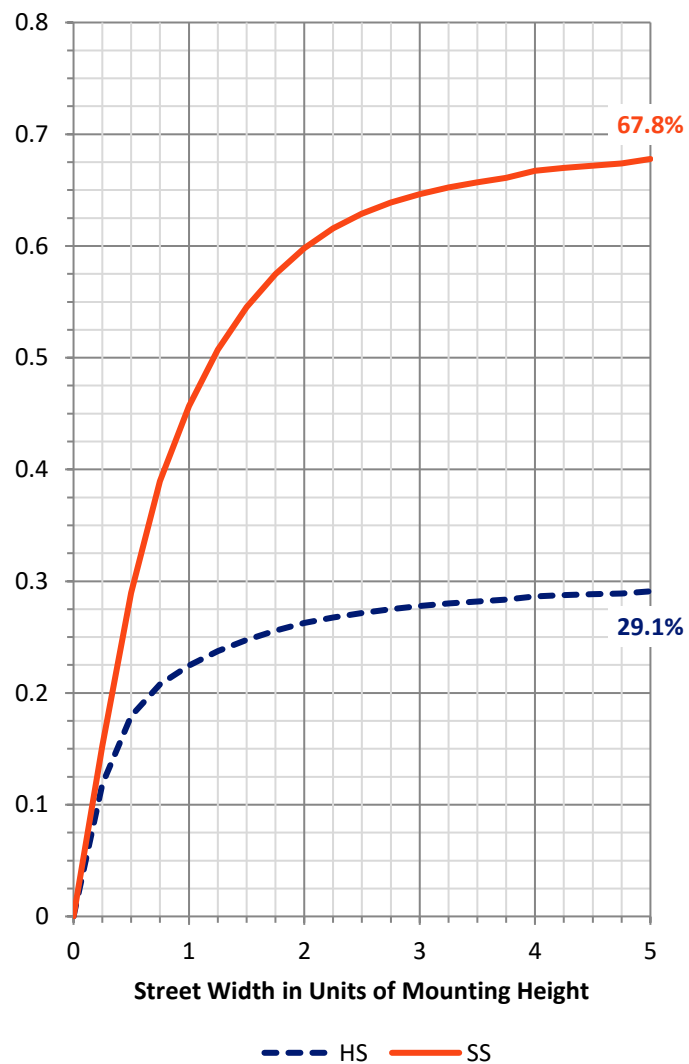
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	776.0	14.6	790.6
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	1795.3	28.1	1823.5
	% Fixture	68.7	1.1	69.8
Total	Lumens	2571.4	42.7	2614.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	2.1
10°-20°	160.8	6.2
20°-30°	265.4	10.2
30°-40°	360.0	13.8
40°-50°	299.9	11.5
50°-60°	415.3	15.9
60°-70°	511.8	19.6
70°-80°	387.5	14.8
80°-90°	116.3	4.4
90°-100°	30.1	1.2
100°-110°	6.9	0.3
110°-120°	3.2	0.1
120°-130°	2.2	0.1
130°-140°	0.2	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°	2571.4	98.4
0°-180°	2614.0	100.0

Coefficient of Utilization



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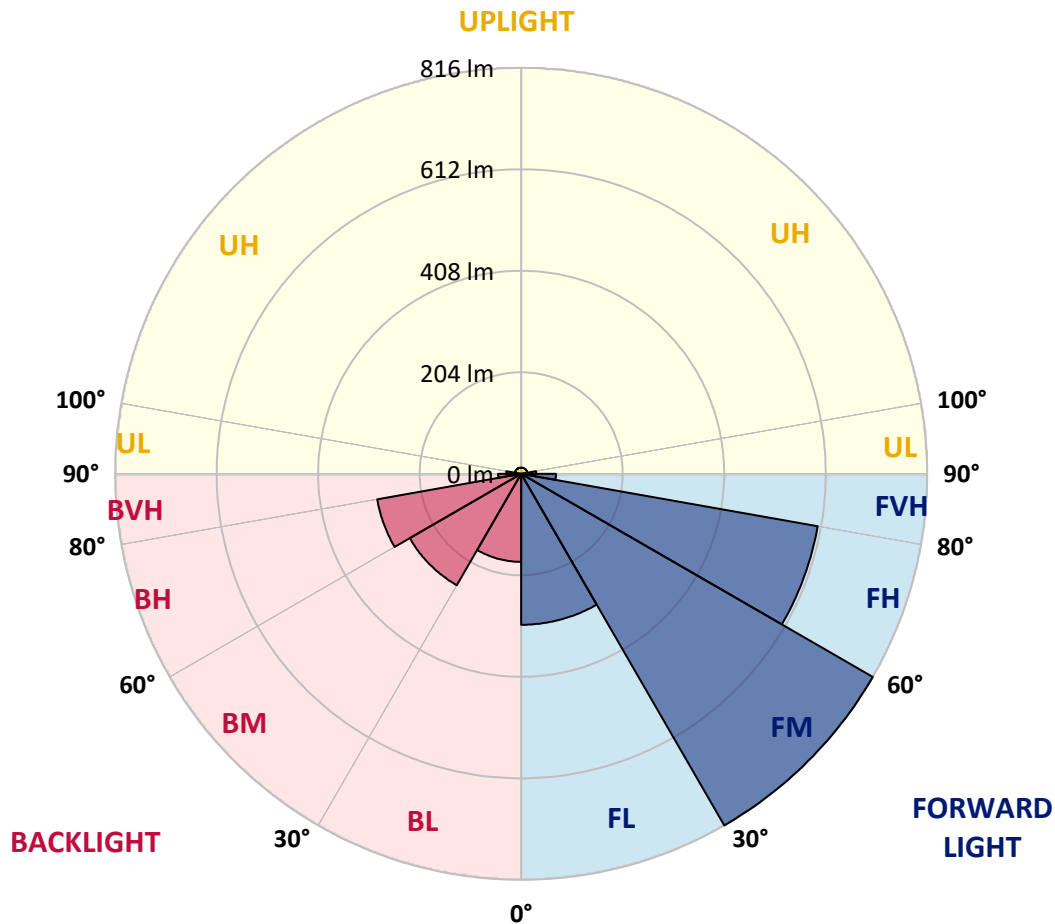
CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-8027-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	303.6	11.6			
FM	(30°-60°)	816.4	31.2			
FH	(60°-80°)	605.4	23.2			G0/660
FVH	(80°-90°)	69.9	2.7			G1/100
BL	(0°-30°)	177.0	6.8	B1/500		
BM	(30°-60°)	258.7	9.9	B1/1000		
BH	(60°-80°)	293.9	11.2	B1/500		G1/500
BVH	(80°-90°)	46.4	1.8			G1/100
UL	(90°-100°)	30.1	1.2		U2/50	
UH	(100°-180°)	12.5	0.5		U2/50	

BUG Rating: B1-U2-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6
2.5°	594.6	591.5	591.5	591.5	585.2	585.2	581.1	579.0	574.9	571.7	570.7
5°	628.8	626.7	626.7	625.7	619.5	615.3	607.0	599.8	593.5	583.2	578.0
7.5°	655.8	652.7	652.7	651.6	645.4	640.2	630.9	614.3	601.8	590.4	582.1
10°	665.1	664.1	663.1	659.9	654.8	650.6	642.3	626.7	607.0	588.3	578.0
12.5°	682.8	682.8	679.7	675.5	671.4	667.2	655.8	643.3	621.6	592.5	579.0
15°	705.6	703.5	701.5	699.4	696.3	690.0	679.7	664.1	639.2	603.9	589.4
17.5°	714.9	713.9	713.9	714.9	713.9	709.8	707.7	690.0	664.1	619.5	602.9
20°	717.0	718.1	720.1	727.4	729.5	727.4	730.5	720.1	690.0	640.2	618.4
22.5°	729.5	731.5	735.7	743.0	746.1	749.2	752.3	760.6	730.5	672.4	642.3
25°	724.3	726.4	738.8	750.2	761.6	771.0	790.7	809.4	787.6	720.1	681.7
27.5°	710.8	714.9	736.7	759.6	787.6	812.5	848.8	871.6	854.0	780.3	736.7
30°	722.2	722.2	736.7	769.9	806.3	862.3	910.0	936.0	923.5	838.4	801.1
32.5°	698.3	704.6	734.7	784.5	840.5	912.1	958.8	1004.4	1008.6	916.2	858.1
35°	624.7	635.0	659.9	726.4	812.5	937.0	1019.0	1080.2	1099.9	1009.6	924.5
37.5°	514.7	521.9	565.5	631.9	734.7	854.0	985.8	1124.8	1179.8	1069.8	1008.6
40°	455.5	460.7	486.7	541.7	636.1	751.3	855.0	988.9	1019.0	976.4	936.0
42.5°	435.8	444.1	476.3	527.1	603.9	684.8	701.5	751.3	735.7	740.9	705.6
45°	462.8	465.9	489.8	534.4	581.1	602.9	581.1	615.3	631.9	628.8	593.5
47.5°	476.3	481.5	507.4	564.5	564.5	565.5	592.5	613.3	661.0	705.6	680.7
50°	408.8	416.1	463.8	509.5	516.8	602.9	673.4	713.9	763.7	883.0	897.6
52.5°	385.0	390.2	442.0	533.4	586.3	674.5	718.1	755.4	798.0	995.1	1035.6
55°	421.3	430.6	491.8	586.3	644.4	697.3	753.3	807.3	852.9	1083.3	1113.4
57.5°	486.7	504.3	541.7	594.6	649.6	697.3	772.0	838.4	898.6	1117.5	1166.3
60°	624.7	600.8	563.4	581.1	630.9	691.1	781.4	861.3	922.5	1130.0	1194.3
62.5°	689.0	671.4	580.0	556.2	599.8	669.3	763.7	861.3	914.2	1106.1	1186.0
65°	666.2	651.6	586.3	527.1	561.4	639.2	736.7	848.8	895.5	1076.0	1177.7
67.5°	567.6	553.1	532.3	510.5	525.1	609.1	711.8	826.0	874.7	1051.1	1143.5
70°	461.8	453.5	446.2	462.8	489.8	563.4	662.0	775.1	833.2	991.0	1087.5
72.5°	393.3	388.1	375.6	392.2	434.8	502.2	587.3	700.4	769.9	889.3	1007.6
75°	334.1	331.0	326.9	335.2	362.1	425.4	492.9	603.9	688.0	776.2	875.8
77.5°	270.8	266.7	276.0	278.1	298.8	344.5	388.1	480.4	573.8	609.1	653.7
80°	197.2	201.3	216.9	210.6	226.2	241.8	272.9	313.4	387.0	426.5	429.6
82.5°	138.0	142.2	156.7	141.1	145.3	146.3	157.7	172.3	202.3	235.5	239.7
85°	97.5	99.6	102.7	91.3	91.3	91.3	98.6	106.9	122.4	135.9	139.0
87.5°	69.5	69.5	73.7	69.5	68.5	67.4	71.6	74.7	84.0	93.4	95.5
90°	51.9	51.9	54.0	51.9	51.9	51.9	56.0	59.1	67.4	75.7	76.8
92.5°	37.4	37.4	40.5	39.4	39.4	40.5	44.6	46.7	54.0	62.3	63.3
95°	29.1	29.1	31.1	30.1	30.1	32.2	35.3	37.4	42.5	46.7	47.7
97.5°	20.8	20.8	21.8	21.8	21.8	21.8	23.9	27.0	33.2	33.2	32.2
100°	14.5	14.5	15.6	14.5	14.5	15.6	15.6	17.6	20.8	19.7	19.7
102.5°	10.4	10.4	10.4	10.4	10.4	9.3	9.3	10.4	11.4	10.4	10.4
105°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	6.2
107.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.2	5.2
110°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	4.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	4.2	4.2
115°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	4.2	4.2
117.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
120°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
122.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
125°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.2	4.2	3.1
127.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
130°	3.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.1
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6
2.5°	569.7	567.6	561.4	554.1	547.9	542.7	537.5	533.4	532.3	530.2	532.3
5°	576.9	569.7	555.1	545.8	537.5	529.2	520.9	516.8	513.6	511.6	511.6
7.5°	580.0	569.7	553.1	540.6	523.0	505.3	495.0	486.7	483.5	486.7	486.7
10°	574.9	562.4	542.7	524.0	500.1	485.6	471.1	463.8	459.7	459.7	456.6
12.5°	576.9	562.4	533.4	505.3	485.6	459.7	442.0	433.7	427.5	429.6	429.6
15°	585.2	565.5	525.1	497.0	462.8	442.0	420.2	415.1	414.0	410.9	408.8
17.5°	597.7	568.6	523.0	478.4	443.1	418.2	397.4	388.1	382.9	379.8	378.7
20°	611.2	572.8	516.8	460.7	422.3	390.2	365.3	352.8	348.7	348.7	346.6
22.5°	634.0	587.3	511.6	452.4	394.3	362.1	337.2	319.6	311.3	310.3	309.2
25°	671.4	615.3	516.8	433.7	377.7	330.0	302.0	286.4	277.1	273.9	273.9
27.5°	728.4	653.7	524.0	423.4	343.5	299.9	268.8	244.9	231.4	232.4	233.5
30°	789.7	710.8	544.8	406.8	321.7	257.3	220.0	201.3	188.9	184.7	182.6
32.5°	839.5	769.9	574.9	393.3	281.2	205.5	173.3	159.8	146.3	134.9	130.7
35°	916.2	819.7	600.8	373.6	248.0	168.1	140.1	119.3	107.9	102.7	100.7
37.5°	985.8	868.5	620.5	369.4	201.3	144.2	111.0	89.2	77.8	76.8	76.8
40°	901.7	807.3	606.0	336.2	158.8	112.1	79.9	63.3	55.0	50.8	50.8
42.5°	690.0	618.4	461.8	280.2	114.1	75.7	50.8	47.7	46.7	42.5	42.5
45°	578.0	456.6	280.2	146.3	54.0	41.5	36.3	36.3	37.4	40.5	40.5
47.5°	694.2	539.6	206.5	104.8	52.9	36.3	32.2	29.1	27.0	25.9	25.9
50°	898.6	767.9	263.6	124.5	63.3	37.4	29.1	25.9	24.9	23.9	21.8
52.5°	1048.0	899.6	347.6	189.9	101.7	47.7	29.1	21.8	16.6	14.5	13.5
55°	1138.3	1014.8	409.9	272.9	165.0	79.9	36.3	19.7	14.5	12.5	11.4
57.5°	1187.1	1028.3	461.8	347.6	242.8	142.2	63.3	23.9	14.5	11.4	11.4
60°	1193.3	1030.4	486.7	397.4	309.2	215.8	120.4	46.7	18.7	13.5	12.5
62.5°	1188.1	1012.7	492.9	417.1	349.7	276.0	189.9	92.4	29.1	15.6	14.5
65°	1178.8	1013.8	464.9	399.5	349.7	295.7	220.0	121.4	41.5	17.6	16.6
67.5°	1147.6	1010.7	449.3	361.1	316.5	264.6	197.2	113.1	47.7	21.8	20.8
70°	1084.3	973.3	440.0	345.5	296.8	235.5	166.0	90.3	54.0	37.4	40.5
72.5°	1012.7	905.9	430.6	332.0	289.5	234.5	167.1	97.5	72.6	61.2	65.4
75°	905.9	788.6	414.0	318.6	285.4	241.8	169.1	92.4	68.5	55.0	54.0
77.5°	697.3	655.8	377.7	285.4	259.4	223.1	144.2	70.6	50.8	38.4	37.4
80°	455.5	450.3	294.7	230.4	218.9	197.2	120.4	55.0	40.5	31.1	29.1
82.5°	257.3	247.0	183.7	145.3	154.6	159.8	97.5	41.5	31.1	24.9	22.8
85°	146.3	148.4	106.9	78.9	79.9	94.4	63.3	29.1	19.7	14.5	13.5
87.5°	100.7	103.8	69.5	52.9	47.7	44.6	33.2	17.6	11.4	7.3	5.2
90°	82.0	82.0	51.9	38.4	33.2	29.1	18.7	10.4	8.3	4.2	3.1
92.5°	66.4	69.5	43.6	31.1	25.9	22.8	14.5	7.3	5.2	3.1	2.1
95°	49.8	52.9	35.3	25.9	20.8	17.6	12.5	6.2	4.2	2.1	2.1
97.5°	34.2	34.2	24.9	19.7	16.6	13.5	9.3	5.2	3.1	2.1	2.1
100°	19.7	20.8	14.5	12.5	11.4	10.4	6.2	4.2	2.1	1.0	1.0
102.5°	10.4	10.4	7.3	7.3	6.2	6.2	5.2	3.1	2.1	1.0	1.0
105°	6.2	6.2	5.2	5.2	4.2	4.2	3.1	2.1	1.0	0.0	1.0
107.5°	5.2	5.2	4.2	4.2	3.1	3.1	2.1	2.1	1.0	0.0	0.0
110°	4.2	4.2	3.1	3.1	3.1	2.1	2.1	1.0	1.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.2	4.2	3.1	3.1	2.1	2.1	2.1	1.0	1.0	0.0	0.0
115°	4.2	3.1	3.1	2.1	2.1	2.1	1.0	1.0	0.0	0.0	0.0
117.5°	4.2	3.1	2.1	2.1	2.1	1.0	1.0	1.0	0.0	0.0	0.0
120°	4.2	3.1	2.1	2.1	2.1	2.1	1.0	1.0	0.0	0.0	0.0
122.5°	4.2	3.1	2.1	2.1	2.1	1.0	1.0	1.0	0.0	0.0	0.0
125°	3.1	3.1	2.1	2.1	1.0	1.0	1.0	1.0	0.0	0.0	0.0
127.5°	3.1	3.1	2.1	2.1	1.0	1.0	1.0	1.0	0.0	0.0	0.0
130°	3.1	3.1	2.1	2.1	1.0	1.0	1.0	1.0	0.0	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)