

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: P691300

Luminaire Tested: **CRTK2-C015-D-U-T2-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691300
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-C015-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: 4351 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: B2 - U3 - G2

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



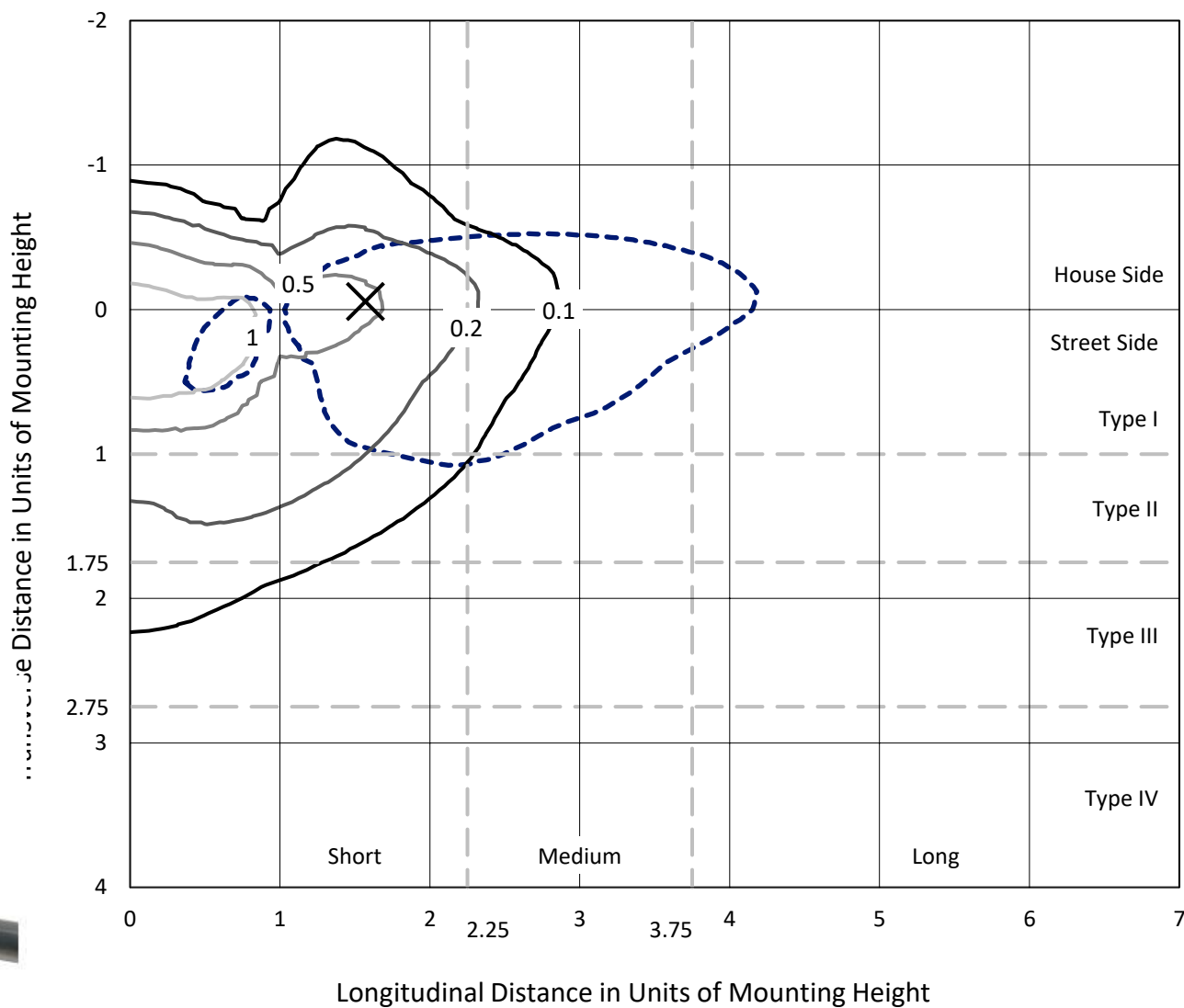
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

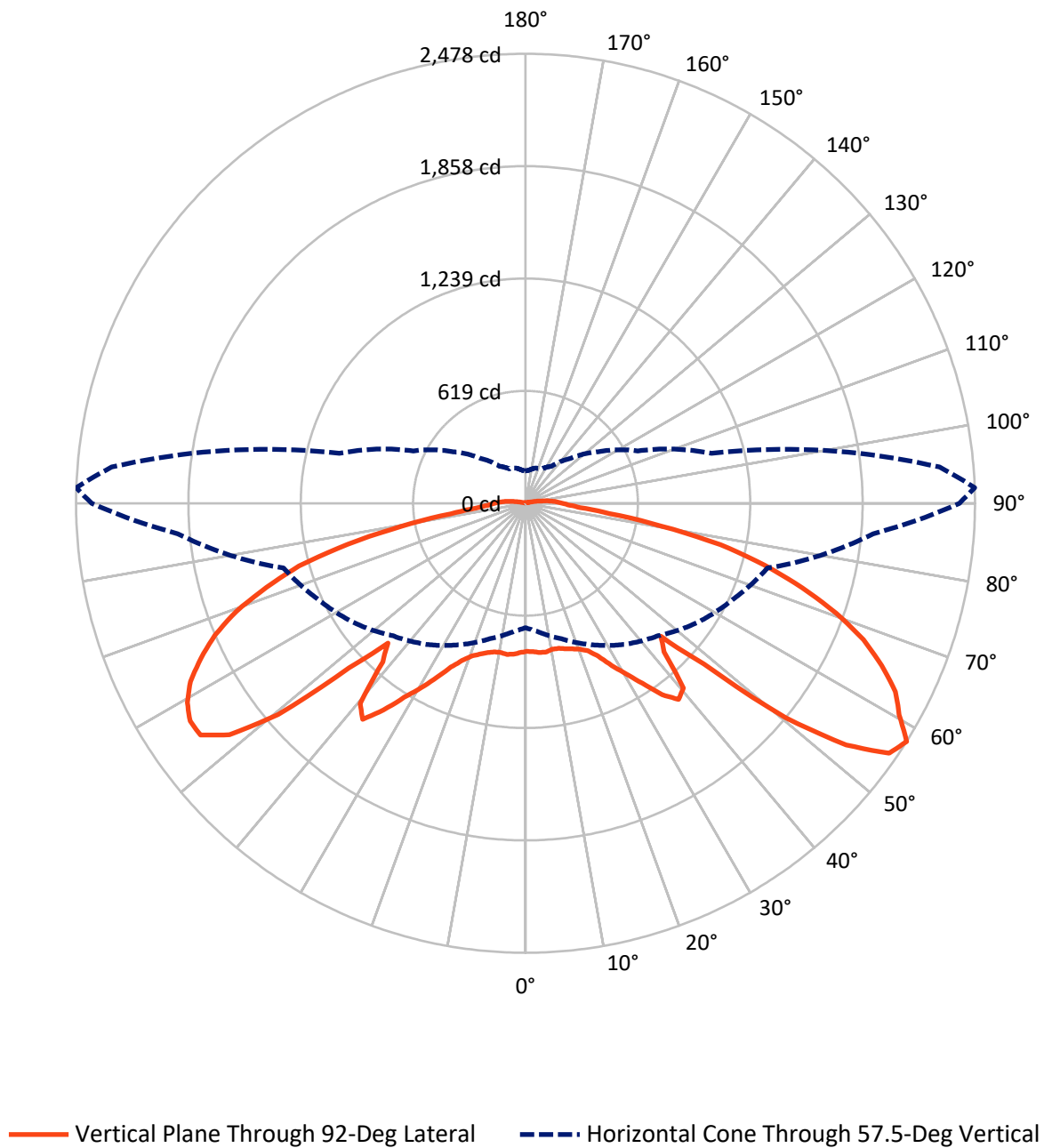


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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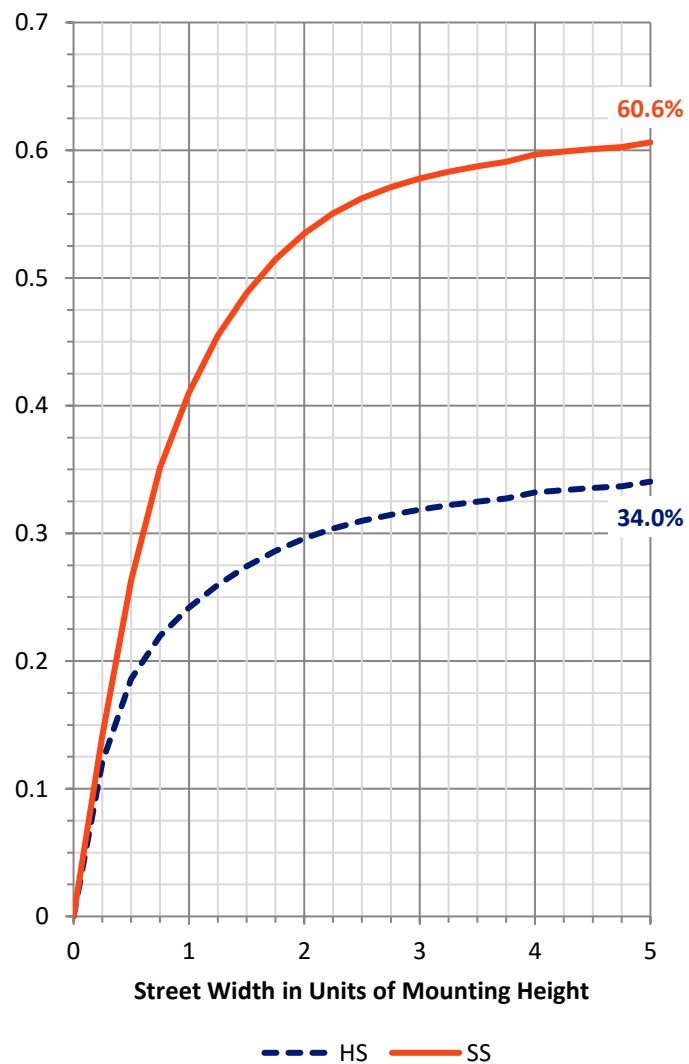
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1552.5	67.8	1620.3
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	2675.3	55.4	2730.7
	% Fixture	61.5	1.3	62.8
Total	Lumens	4227.8	123.2	4351.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.3	1.8
10°-20°	230.6	5.3
20°-30°	382.4	8.8
30°-40°	529.3	12.2
40°-50°	494.2	11.4
50°-60°	738.4	17.0
60°-70°	877.1	20.2
70°-80°	643.8	14.8
80°-90°	253.8	5.8
90°-100°	89.4	2.1
100°-110°	21.1	0.5
110°-120°	8.2	0.2
120°-130°	4.2	0.1
130°-140°	0.4	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°	4227.8	97.2
0°-180°	4351.0	100.0

Coefficient of Utilization



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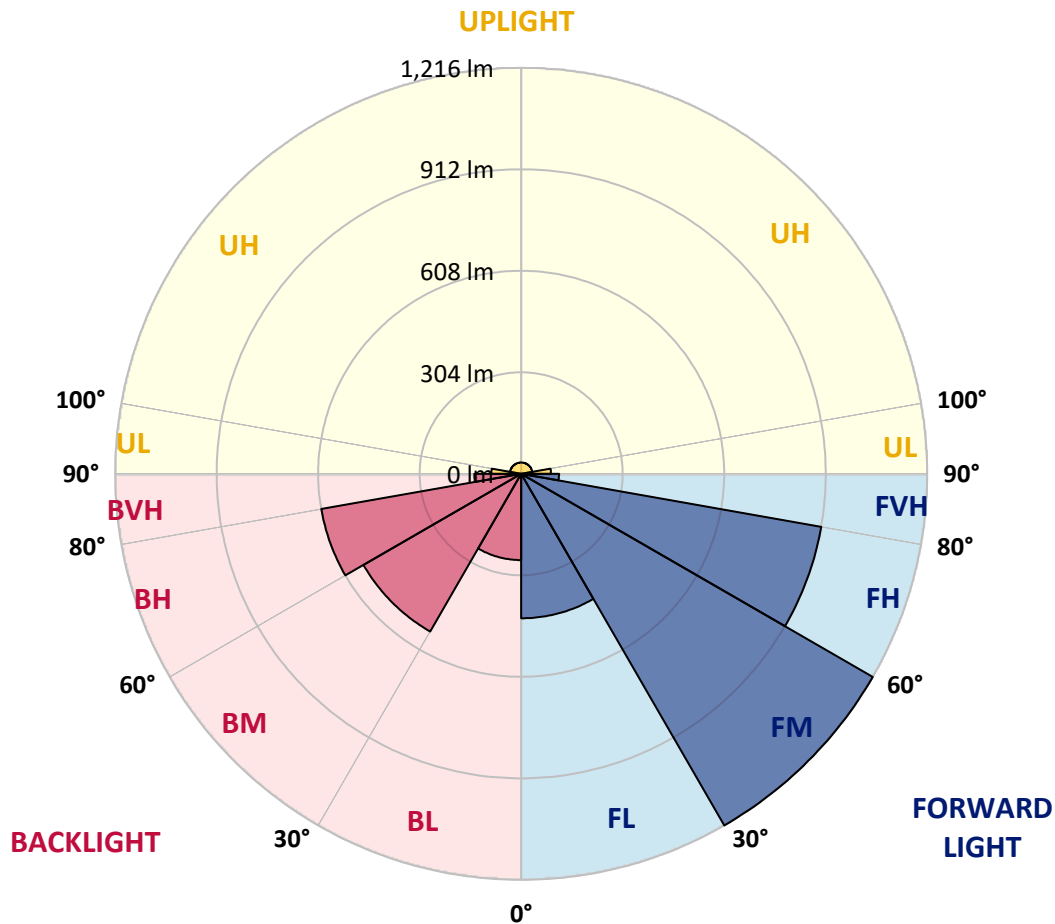
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	432.8	9.9			
FM	(30°-60°)	1216.3	28.0			
FH	(60°-80°)	912.8	21.0			G1/1800
FVH	(80°-90°)	113.4	2.6			G2/225
BL	(0°-30°)	258.4	5.9	B1/500		
BM	(30°-60°)	545.6	12.5	B1/1000		
BH	(60°-80°)	608.1	14.0	B2/1000		G2/1000
BVH	(80°-90°)	140.4	3.2			G2/225
UL	(90°-100°)	89.4	2.1		U3/500	
UH	(100°-180°)	33.8	0.8		U2/50	

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°	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2
2.5°	851.3	845.5	846.9	845.5	842.6	839.6	836.7	833.8	829.4	825.0	822.0
5°	901.2	895.3	895.3	895.3	889.4	880.7	868.9	861.6	851.3	839.6	830.8
7.5°	934.9	930.5	929.0	927.5	920.2	914.4	901.2	877.7	861.6	846.9	833.8
10°	946.6	946.6	945.1	940.7	933.4	926.1	917.3	895.3	868.9	844.0	826.4
12.5°	968.6	971.5	967.1	959.8	956.8	948.1	934.9	917.3	888.0	849.9	829.4
15°	1002.3	1000.8	994.9	993.5	990.5	980.3	968.6	946.6	912.9	864.5	841.1
17.5°	1016.9	1015.5	1015.5	1015.5	1015.5	1008.1	1006.7	981.8	946.6	888.0	858.7
20°	1019.9	1019.9	1024.3	1034.5	1036.0	1034.5	1041.8	1025.7	984.7	917.3	877.7
22.5°	1038.9	1040.4	1047.7	1058.0	1065.3	1068.2	1074.1	1081.4	1043.3	964.2	914.4
25°	1028.6	1036.0	1052.1	1068.2	1085.8	1096.1	1128.3	1153.2	1121.0	1033.0	965.6
27.5°	1011.1	1016.9	1049.2	1078.5	1118.0	1160.5	1207.4	1239.7	1220.6	1118.0	1047.7
30°	1027.2	1027.2	1047.7	1096.1	1147.3	1225.0	1293.9	1329.0	1320.2	1207.4	1142.9
32.5°	993.5	1002.3	1046.2	1116.6	1194.2	1295.3	1365.7	1431.6	1440.4	1323.2	1219.1
35°	893.8	912.9	942.2	1034.5	1166.4	1342.2	1450.7	1534.2	1570.8	1455.1	1333.4
37.5°	738.5	745.8	807.4	899.7	1056.5	1230.9	1418.4	1622.1	1698.3	1554.7	1447.7
40°	652.1	656.5	696.0	776.6	908.5	1079.9	1238.2	1447.7	1507.8	1493.1	1392.0
42.5°	622.8	630.1	677.0	754.6	866.0	984.7	1025.7	1116.6	1093.1	1156.1	1188.4
45°	657.9	662.3	696.0	763.4	833.8	885.0	855.7	920.2	952.5	1077.0	1084.3
47.5°	682.8	685.8	722.4	807.4	819.1	820.6	860.1	898.2	987.6	1257.2	1377.4
50°	586.1	600.8	671.1	744.4	750.2	866.0	978.8	1055.0	1164.9	1655.8	1885.9
52.5°	543.6	551.0	627.2	754.6	839.6	974.4	1055.0	1131.2	1236.7	1828.7	2233.1
55°	596.4	608.1	699.0	841.1	926.1	1018.4	1119.5	1213.3	1317.3	1918.1	2388.5
57.5°	685.8	707.7	773.7	860.1	949.5	1033.0	1150.3	1258.7	1380.3	1924.0	2391.4
60°	863.1	846.9	810.3	848.4	934.9	1030.1	1164.9	1280.7	1415.5	1922.5	2324.0
62.5°	984.7	961.2	839.6	822.0	902.6	999.3	1132.7	1277.7	1408.2	1858.0	2247.8
65°	961.2	945.1	851.3	786.9	845.5	949.5	1088.7	1260.2	1373.0	1789.1	2110.0
67.5°	829.4	810.3	770.8	745.8	775.1	896.8	1047.7	1225.0	1332.0	1710.0	1959.1
70°	677.0	666.7	653.5	679.9	716.5	830.8	973.0	1148.8	1254.3	1559.1	1797.9
72.5°	574.4	568.5	552.4	580.3	641.8	744.4	863.1	1038.9	1157.6	1355.4	1598.7
75°	483.6	485.0	476.2	493.8	533.4	634.5	728.3	899.7	1031.6	1163.5	1383.3
77.5°	397.1	392.7	401.5	411.8	438.1	511.4	574.4	723.9	880.7	923.1	1060.9
80°	290.1	297.5	313.6	312.1	334.1	366.3	408.8	487.9	618.4	660.9	713.6
82.5°	205.1	213.9	228.6	212.5	215.4	224.2	243.2	279.9	348.7	391.2	435.2
85°	145.1	149.5	152.4	140.7	140.7	146.5	159.7	186.1	228.6	255.0	278.4
87.5°	105.5	107.0	112.8	107.0	108.4	111.4	123.1	140.7	175.8	194.9	213.9
90°	80.6	80.6	83.5	82.1	85.0	90.8	102.6	117.2	143.6	167.0	184.6
92.5°	58.6	58.6	61.5	63.0	64.5	71.8	82.1	93.8	111.4	140.7	158.3
95°	45.4	45.4	48.4	48.4	49.8	55.7	64.5	76.2	89.4	109.9	126.0
97.5°	33.7	33.7	36.6	36.6	38.1	42.5	49.8	57.1	68.9	82.1	89.4
100°	26.4	26.4	27.8	27.8	29.3	33.7	38.1	42.5	45.4	52.8	55.7
102.5°	22.0	22.0	22.0	22.0	22.0	24.9	26.4	26.4	27.8	32.2	33.7
105°	17.6	17.6	17.6	16.1	16.1	17.6	17.6	17.6	19.0	19.0	20.5
107.5°	13.2	13.2	13.2	13.2	13.2	14.7	14.7	14.7	14.7	16.1	16.1
110°	11.7	11.7	11.7	11.7	11.7	11.7	13.2	13.2	13.2	13.2	13.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	10.3	10.3	10.3	10.3	10.3	10.3	11.7	11.7	11.7	11.7	11.7
115°	8.8	8.8	8.8	8.8	8.8	10.3	11.7	10.3	10.3	10.3	10.3
117.5°	7.3	7.3	7.3	8.8	8.8	8.8	10.3	8.8	8.8	8.8	10.3
120°	5.9	5.9	7.3	7.3	7.3	7.3	7.3	7.3	8.8	8.8	8.8
122.5°	5.9	5.9	5.9	5.9	5.9	7.3	7.3	7.3	7.3	7.3	8.8
125°	4.4	4.4	4.4	5.9	5.9	5.9	5.9	5.9	5.9	7.3	7.3
127.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	5.9	5.9	5.9
130°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
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°	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2
2.5°	819.1	819.1	810.3	801.5	792.7	783.9	776.6	772.2	766.4	767.8	767.8
5°	826.4	822.0	803.0	791.3	778.1	766.4	754.6	744.4	741.4	740.0	734.1
7.5°	827.9	820.6	800.1	782.5	757.6	729.7	716.5	704.8	697.5	703.3	700.4
10°	817.6	808.9	785.4	759.0	723.9	700.4	679.9	668.2	662.3	663.8	662.3
12.5°	820.6	810.3	772.2	732.7	703.3	663.8	638.9	628.6	621.3	621.3	616.9
15°	832.3	814.7	760.5	719.5	671.1	637.4	608.1	600.8	597.8	594.9	590.5
17.5°	844.0	819.1	759.0	696.0	641.8	605.2	575.9	562.7	555.4	555.4	553.9
20°	858.7	827.9	750.2	671.1	614.0	565.6	530.4	518.7	512.9	511.4	508.5
22.5°	883.6	851.3	745.8	660.9	577.3	527.5	493.8	471.8	460.1	458.6	458.6
25°	933.4	893.8	754.6	633.0	552.4	487.9	446.9	424.9	411.8	411.8	410.3
27.5°	1012.5	949.5	767.8	622.8	505.5	445.5	403.0	369.3	357.5	357.5	359.0
30°	1090.2	1034.5	801.5	600.8	479.2	389.8	338.5	313.6	298.9	293.1	294.5
32.5°	1182.5	1123.9	848.4	586.1	426.4	323.8	276.9	263.8	241.8	235.9	231.5
35°	1295.3	1210.3	901.2	565.6	385.4	275.5	237.4	211.0	200.7	193.4	192.0
37.5°	1371.5	1296.8	948.1	570.0	328.2	249.1	206.6	178.8	168.5	170.0	170.0
40°	1339.3	1252.8	959.8	540.7	279.9	216.9	172.9	156.8	150.9	152.4	153.9
42.5°	1119.5	1074.1	794.2	483.6	231.5	174.4	145.1	145.1	149.5	145.1	145.1
45°	1046.2	931.9	577.3	340.0	174.4	143.6	137.7	142.1	152.4	152.4	152.4
47.5°	1324.6	1195.7	517.3	284.3	194.9	161.2	149.5	142.1	143.6	142.1	142.1
50°	1858.0	1655.8	694.6	354.6	235.9	192.0	170.0	155.3	155.3	152.4	149.5
52.5°	2212.6	2000.1	845.5	444.0	296.0	224.2	194.9	168.5	159.7	153.9	152.4
55°	2432.4	2271.2	975.9	568.5	385.4	266.7	216.9	189.0	175.8	164.1	162.6
57.5°	2477.8	2290.3	1062.3	682.8	496.7	350.2	249.1	209.5	200.7	181.7	178.8
60°	2366.5	2241.9	1096.1	757.6	593.4	461.6	325.3	243.2	224.2	211.0	208.1
62.5°	2288.8	2145.2	1084.3	782.5	653.5	553.9	427.9	298.9	244.7	246.2	259.4
65°	2158.4	2061.7	997.9	745.8	650.6	584.7	480.6	345.8	252.0	249.1	265.2
67.5°	2008.9	1932.7	911.4	665.3	599.3	542.2	446.9	329.7	238.8	224.2	225.7
70°	1817.0	1752.5	823.5	619.8	552.4	480.6	388.3	285.7	235.9	212.5	212.5
72.5°	1595.7	1519.5	750.2	586.1	527.5	461.6	372.2	275.5	253.5	244.7	252.0
75°	1361.3	1264.6	693.1	553.9	509.9	461.6	370.7	275.5	253.5	246.2	246.2
77.5°	1097.5	1040.4	631.5	502.6	474.8	439.6	341.4	256.4	249.1	246.2	246.2
80°	759.0	750.2	514.3	436.7	429.3	416.1	320.9	247.6	247.6	243.2	237.4
82.5°	466.0	444.0	367.8	326.8	351.7	370.7	291.6	233.0	227.1	222.7	219.8
85°	301.9	303.3	257.9	228.6	243.2	282.8	246.2	211.0	202.2	205.1	205.1
87.5°	231.5	238.8	202.2	186.1	183.2	192.0	193.4	189.0	183.2	178.8	180.2
90°	199.3	202.2	162.6	149.5	148.0	150.9	150.9	159.7	159.7	145.1	136.3
92.5°	167.0	171.4	134.8	121.6	121.6	126.0	128.9	128.9	117.2	95.2	85.0
95°	131.9	134.8	107.0	96.7	98.2	98.2	96.7	92.3	71.8	42.5	38.1
97.5°	92.3	93.8	79.1	73.3	74.7	71.8	63.0	57.1	44.0	24.9	23.4
100°	58.6	60.1	49.8	48.4	52.8	46.9	41.0	38.1	26.4	16.1	19.0
102.5°	35.2	35.2	30.8	29.3	32.2	27.8	24.9	20.5	16.1	10.3	13.2
105°	20.5	20.5	19.0	19.0	19.0	17.6	16.1	13.2	8.8	7.3	7.3
107.5°	16.1	16.1	14.7	14.7	13.2	13.2	11.7	8.8	5.9	4.4	4.4
110°	13.2	13.2	11.7	11.7	11.7	10.3	8.8	7.3	4.4	2.9	2.9

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CATALOG NUMBER: CRTK2-C015-D-U-T2-7040-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.7	11.7	10.3	10.3	8.8	8.8	7.3	5.9	4.4	2.9	2.9
115°	10.3	10.3	8.8	7.3	7.3	7.3	5.9	4.4	2.9	1.5	2.9
117.5°	10.3	10.3	7.3	5.9	5.9	5.9	4.4	4.4	2.9	1.5	1.5
120°	8.8	8.8	5.9	5.9	4.4	4.4	4.4	2.9	1.5	1.5	1.5
122.5°	7.3	7.3	5.9	4.4	4.4	4.4	2.9	2.9	1.5	1.5	1.5
125°	7.3	7.3	4.4	4.4	4.4	2.9	2.9	2.9	1.5	0.0	0.0
127.5°	5.9	5.9	4.4	4.4	2.9	2.9	2.9	1.5	1.5	0.0	0.0
130°	4.4	4.4	4.4	4.4	2.9	2.9	2.9	1.5	1.5	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)