

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: P691559

Luminaire Tested: **CRTK2-C016-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691559
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-22)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3324 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - G2

Input Watts (W): 41.6
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

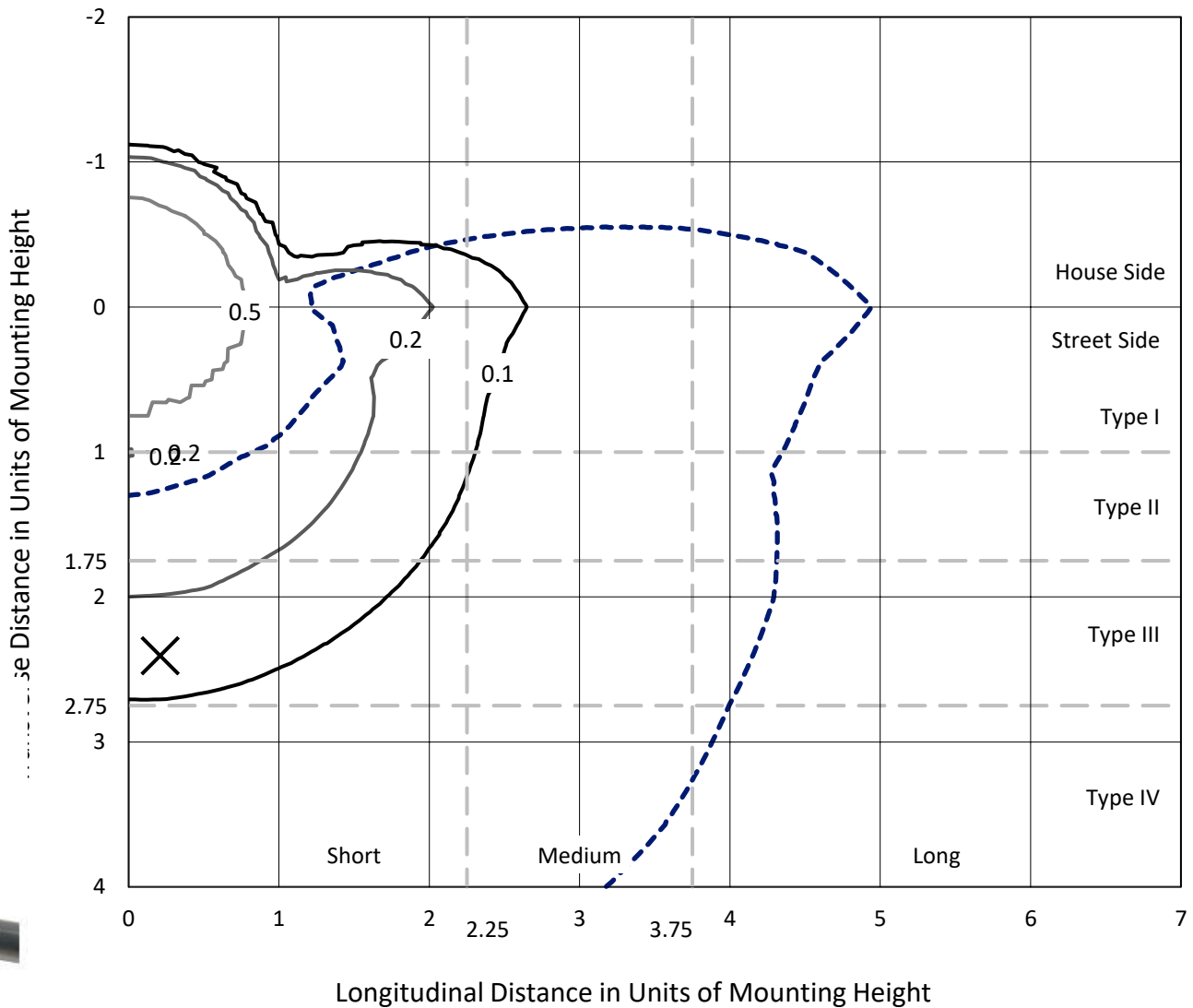


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

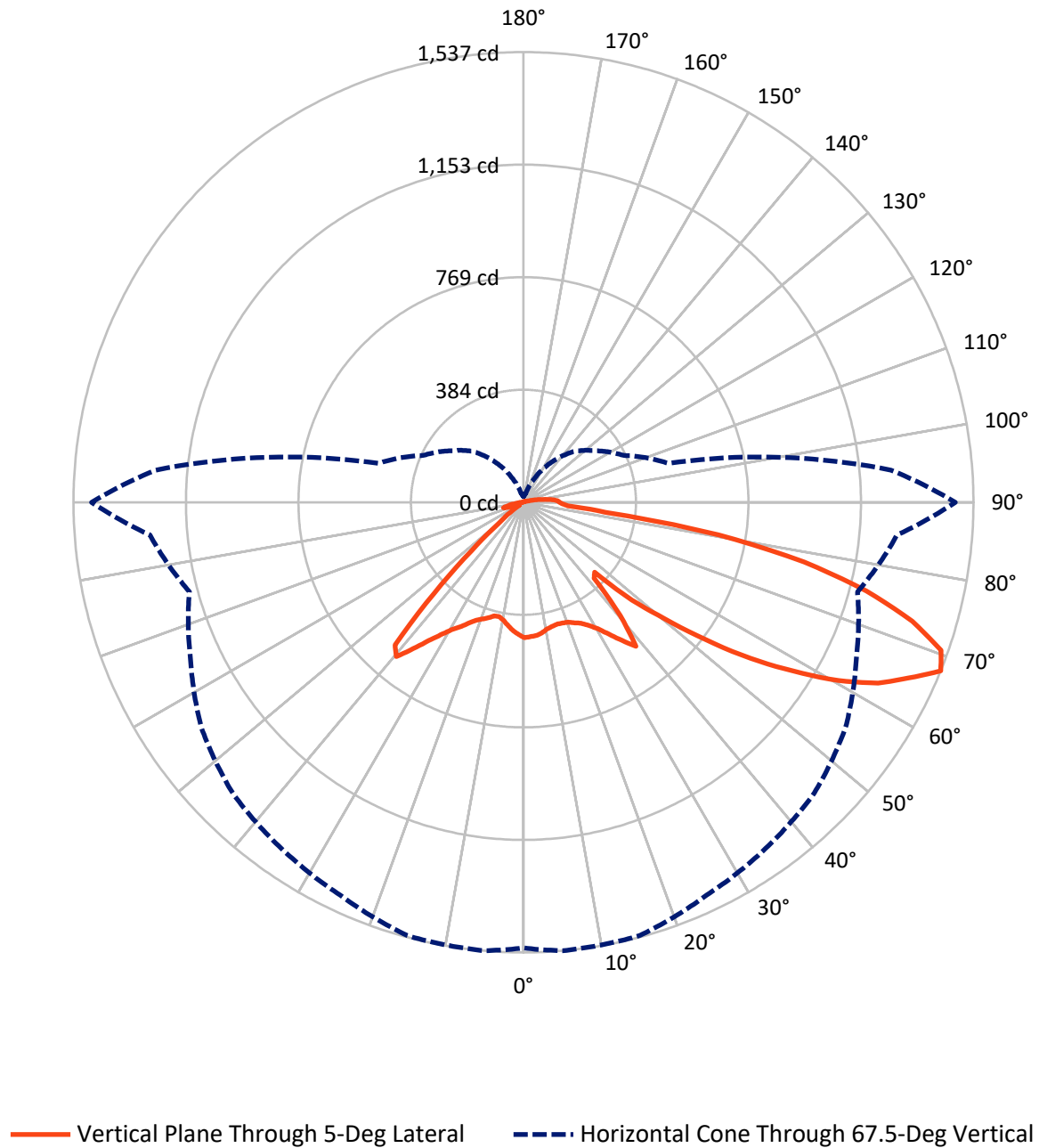


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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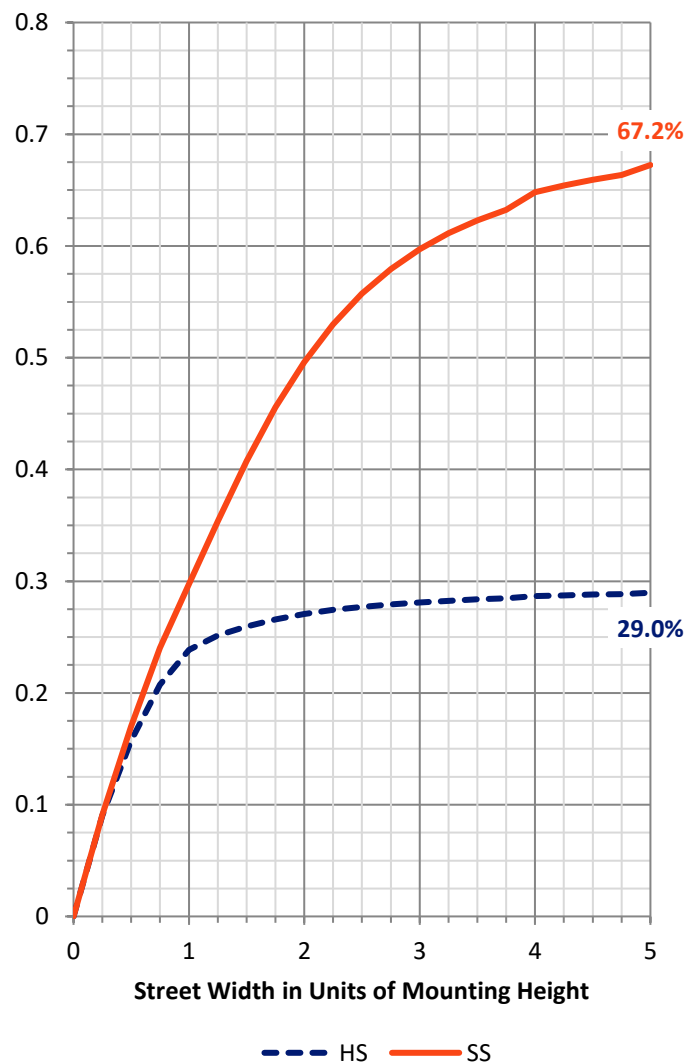
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	974.2	14.6	988.8
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	2277.9	57.2	2335.2
	% Fixture	68.5	1.7	70.3
Total	Lumens	3252.1	71.9	3324.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.7	1.3
10°-20°	123.3	3.7
20°-30°	219.1	6.6
30°-40°	366.4	11.0
40°-50°	334.6	10.1
50°-60°	496.7	14.9
60°-70°	814.8	24.5
70°-80°	699.3	21.0
80°-90°	155.1	4.7
90°-100°	52.3	1.6
100°-110°	12.9	0.4
110°-120°	4.1	0.1
120°-130°	2.3	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°	3252.1	97.8
0°-180°	3324.0	100.0

Coefficient of Utilization



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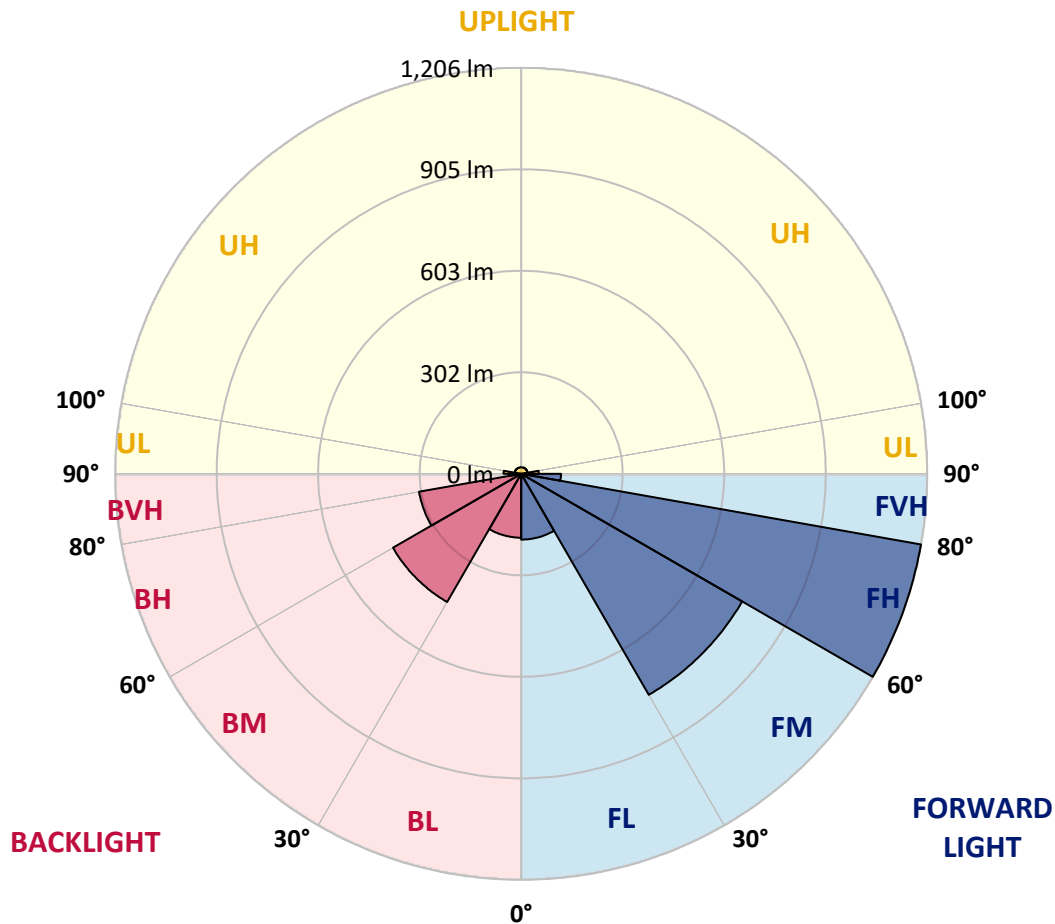
CATALOG NUMBER: CRTK2-C016-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	195.4	5.9			
FM	(30°-60°)	758.1	22.8			
FH	(60°-80°)	1206.2	36.3			G1/1800
FVH	(80°-90°)	118.3	3.6			G2/225
BL	(0°-30°)	189.8	5.7	B1/500		
BM	(30°-60°)	439.6	13.2	B1/1000		
BH	(60°-80°)	307.9	9.3	B1/500		G1/500
BVH	(80°-90°)	36.8	1.1			G1/100
UL	(90°-100°)	52.3	1.6		U3/500	
UH	(100°-180°)	19.5	0.6		U2/50	

BUG Rating: B1-U3-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	462.5	462.5	462.5	462.5	462.5	462.5	462.5	462.5	462.5	462.5	462.5
2.5°	459.0	459.0	459.0	460.8	462.5	460.8	459.0	457.3	455.6	457.3	457.3
5°	457.3	457.3	459.0	459.0	460.8	462.5	460.8	459.0	457.3	457.3	457.3
7.5°	448.7	450.4	450.4	452.2	453.9	457.3	457.3	453.9	453.9	453.9	453.9
10°	440.1	440.1	441.8	443.6	445.3	448.7	448.7	445.3	447.0	448.7	448.7
12.5°	435.0	435.0	436.7	440.1	441.8	443.6	445.3	445.3	447.0	445.3	447.0
15°	431.5	431.5	431.5	436.7	441.8	443.6	447.0	448.7	450.4	450.4	450.4
17.5°	433.2	433.2	433.2	440.1	443.6	448.7	452.2	453.9	453.9	455.6	455.6
20°	436.7	436.7	438.4	443.6	450.4	455.6	459.0	460.8	460.8	464.2	464.2
22.5°	443.6	447.0	445.3	450.4	455.6	462.5	467.6	471.1	471.1	474.5	474.5
25°	459.0	457.3	459.0	464.2	469.3	474.5	477.9	483.1	484.8	488.3	488.3
27.5°	476.2	476.2	476.2	481.4	484.8	490.0	493.4	496.9	500.3	505.5	507.2
30°	502.0	500.3	498.6	503.7	507.2	512.3	515.8	517.5	517.5	520.9	524.4
32.5°	536.4	536.4	536.4	539.8	541.6	546.7	548.4	550.2	548.4	553.6	555.3
35°	579.4	579.4	581.1	584.5	589.7	593.1	594.9	593.1	594.9	598.3	601.7
37.5°	622.4	624.1	629.2	634.4	637.8	644.7	649.9	649.9	651.6	661.9	661.9
40°	503.7	508.9	514.0	526.1	541.6	562.2	596.6	610.3	649.9	670.5	675.7
42.5°	342.1	354.2	367.9	383.4	395.4	397.1	429.8	448.7	488.3	526.1	536.4
45°	326.7	340.4	354.2	343.8	352.4	324.9	357.6	361.0	379.9	409.2	486.5
47.5°	479.7	498.6	517.5	491.7	496.9	436.7	448.7	435.0	392.0	440.1	569.1
50°	625.8	624.1	651.6	639.6	653.3	588.0	593.1	565.6	498.6	565.6	749.6
52.5°	766.8	780.5	809.8	806.3	816.6	732.4	716.9	692.8	588.0	691.1	907.7
55°	930.1	940.4	967.9	959.3	954.2	869.9	842.4	818.3	716.9	851.0	1076.2
57.5°	1083.1	1088.3	1120.9	1091.7	1074.5	1010.9	973.1	933.5	833.8	997.1	1193.1
60°	1229.2	1236.1	1255.0	1215.5	1188.0	1138.1	1091.7	1048.7	955.9	1127.8	1301.5
62.5°	1366.8	1359.9	1368.5	1318.6	1299.7	1255.0	1205.2	1151.9	1071.1	1231.0	1406.3
65°	1445.9	1445.9	1456.2	1392.6	1363.3	1335.8	1280.8	1218.9	1145.0	1280.8	1471.7
67.5°	1521.5	1537.0	1531.8	1480.2	1442.4	1404.6	1342.7	1255.0	1181.1	1280.8	1475.1
70°	1494.0	1512.9	1492.3	1451.0	1413.2	1368.5	1311.8	1225.8	1143.3	1218.9	1396.0
72.5°	1375.4	1389.1	1380.5	1344.4	1298.0	1268.8	1208.6	1143.3	1047.0	1112.3	1267.1
75°	1213.8	1210.3	1225.8	1184.5	1145.0	1117.5	1059.0	1017.8	928.4	976.5	1124.4
77.5°	978.2	980.0	1012.6	966.2	935.3	916.3	863.0	828.7	747.9	790.8	904.3
80°	656.7	675.7	706.6	656.7	651.6	625.8	581.1	558.7	496.9	517.5	577.7
82.5°	273.4	282.0	292.3	276.8	271.6	263.0	244.1	237.3	213.2	223.5	223.5
85°	153.0	151.3	156.4	156.4	153.0	146.1	139.3	127.2	116.9	115.2	106.6
87.5°	128.9	130.7	134.1	134.1	127.2	122.1	113.5	104.9	96.3	91.1	82.5
90°	120.3	122.1	123.8	118.6	111.7	106.6	99.7	92.8	86.0	82.5	73.9
92.5°	115.2	115.2	115.2	108.3	101.4	96.3	91.1	84.2	79.1	75.6	68.8
95°	96.3	94.6	92.8	89.4	82.5	77.4	73.9	67.0	63.6	60.2	56.7
97.5°	72.2	70.5	68.8	67.0	60.2	56.7	55.0	51.6	48.1	43.0	41.3
100°	51.6	49.9	49.9	48.1	44.7	41.3	39.5	36.1	32.7	29.2	27.5
102.5°	34.4	32.7	32.7	30.9	29.2	27.5	24.1	22.3	18.9	17.2	15.5
105°	18.9	18.9	18.9	17.2	17.2	15.5	13.8	12.0	10.3	10.3	8.6
107.5°	13.8	13.8	13.8	13.8	12.0	12.0	10.3	8.6	8.6	6.9	6.9
110°	10.3	10.3	10.3	10.3	10.3	8.6	8.6	6.9	6.9	5.2	5.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	8.6	8.6	8.6	8.6	8.6	8.6	6.9	6.9	5.2	5.2	5.2
115°	8.6	8.6	8.6	8.6	6.9	6.9	5.2	5.2	5.2	5.2	3.4
117.5°	6.9	6.9	6.9	6.9	6.9	5.2	5.2	5.2	5.2	3.4	5.2
120°	6.9	6.9	6.9	6.9	5.2	5.2	5.2	3.4	3.4	3.4	3.4
122.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	3.4	3.4	3.4	3.4
125°	5.2	5.2	5.2	5.2	5.2	3.4	3.4	3.4	3.4	3.4	3.4
127.5°	5.2	5.2	3.4	5.2	3.4	3.4	3.4	3.4	3.4	1.7	3.4
130°	5.2	5.2	3.4	3.4	3.4	3.4	3.4	3.4	1.7	1.7	1.7
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	462.5	462.5	462.5	462.5	462.5	462.5	462.5	462.5	462.5	462.5
2.5°	459.0	459.0	460.8	459.0	459.0	455.6	453.9	452.2	452.2	452.2
5°	457.3	457.3	455.6	452.2	450.4	447.0	443.6	441.8	440.1	441.8
7.5°	453.9	450.4	447.0	440.1	435.0	433.2	426.4	424.6	424.6	424.6
10°	447.0	443.6	435.0	426.4	422.9	417.8	412.6	407.5	409.2	410.9
12.5°	445.3	436.7	429.8	421.2	416.1	407.5	405.7	400.6	398.9	398.9
15°	447.0	440.1	431.5	424.6	417.8	414.3	407.5	405.7	400.6	404.0
17.5°	453.9	443.6	436.7	429.8	422.9	419.5	414.3	410.9	412.6	412.6
20°	460.8	450.4	443.6	438.4	431.5	426.4	424.6	421.2	422.9	419.5
22.5°	471.1	460.8	455.6	448.7	443.6	440.1	436.7	438.4	435.0	436.7
25°	484.8	476.2	469.3	464.2	459.0	455.6	455.6	455.6	453.9	455.6
27.5°	503.7	495.1	490.0	486.5	481.4	477.9	474.5	476.2	477.9	476.2
30°	520.9	510.6	508.9	505.5	502.0	500.3	500.3	500.3	500.3	503.7
32.5°	548.4	538.1	534.7	534.7	531.2	529.5	527.8	531.2	533.0	531.2
35°	591.4	577.7	574.2	572.5	570.8	570.8	572.5	572.5	572.5	572.5
37.5°	644.7	625.8	622.4	620.6	620.6	620.6	618.9	620.6	625.8	627.5
40°	668.8	656.7	661.9	670.5	675.7	675.7	673.9	677.4	682.5	682.5
42.5°	541.6	515.8	534.7	569.1	591.4	618.9	624.1	641.3	655.0	655.0
45°	440.1	333.5	340.4	362.8	373.1	397.1	410.9	426.4	435.0	422.9
47.5°	495.1	214.9	177.1	184.0	158.2	190.8	213.2	237.3	242.4	247.6
50°	777.1	221.8	149.6	108.3	72.2	96.3	101.4	115.2	111.7	113.5
52.5°	943.9	254.4	149.6	96.3	60.2	63.6	58.5	65.3	68.8	75.6
55°	1059.0	306.0	194.3	122.1	70.5	43.0	29.2	22.3	20.6	20.6
57.5°	1114.1	374.8	252.7	173.6	110.0	60.2	25.8	18.9	17.2	15.5
60°	1165.6	448.7	319.8	237.3	173.6	106.6	48.1	18.9	15.5	15.5
62.5°	1212.1	522.6	386.8	307.7	244.1	166.8	89.4	32.7	17.2	17.2
65°	1249.9	538.1	392.0	333.5	263.0	196.0	116.9	39.5	18.9	18.9
67.5°	1260.2	512.3	378.2	306.0	245.8	166.8	91.1	32.7	22.3	20.6
70°	1191.4	486.5	379.9	290.5	221.8	147.9	60.2	37.8	29.2	27.5
72.5°	1078.0	450.4	361.0	282.0	213.2	149.6	70.5	61.9	55.0	51.6
75°	949.0	407.5	333.5	269.9	206.3	144.4	82.5	77.4	70.5	68.8
77.5°	761.6	338.7	280.2	228.7	173.6	115.2	68.8	65.3	56.7	56.7
80°	500.3	252.7	211.5	175.4	132.4	80.8	51.6	46.4	41.3	39.5
82.5°	204.6	147.9	127.2	110.0	86.0	51.6	34.4	29.2	24.1	22.3
85°	99.7	73.9	63.6	51.6	43.0	29.2	22.3	18.9	13.8	13.8
87.5°	80.8	58.5	48.1	39.5	29.2	20.6	15.5	12.0	8.6	6.9
90°	73.9	51.6	41.3	32.7	24.1	17.2	10.3	8.6	5.2	3.4
92.5°	67.0	44.7	36.1	25.8	18.9	13.8	6.9	5.2	3.4	3.4
95°	55.0	34.4	27.5	20.6	15.5	10.3	6.9	3.4	1.7	1.7
97.5°	39.5	25.8	20.6	15.5	12.0	6.9	5.2	3.4	1.7	1.7
100°	27.5	17.2	15.5	12.0	8.6	5.2	3.4	1.7	1.7	1.7
102.5°	13.8	10.3	10.3	8.6	6.9	5.2	1.7	1.7	0.0	0.0
105°	8.6	6.9	6.9	5.2	3.4	3.4	1.7	1.7	0.0	0.0
107.5°	5.2	5.2	5.2	3.4	3.4	1.7	1.7	0.0	0.0	0.0
110°	5.2	3.4	3.4	3.4	1.7	1.7	1.7	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.4	3.4	3.4	1.7	1.7	1.7	1.7	0.0	0.0	0.0
115°	3.4	3.4	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
117.5°	3.4	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
120°	3.4	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
122.5°	3.4	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
125°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
127.5°	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	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
135°	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
140°	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
145°	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
150°	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
155°	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
160°	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
165°	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)