

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: P691269

Luminaire Tested: **CRTK2-C015-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691269
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-C015-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K 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: 3149 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G2

Input Watts (W): 32.7
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



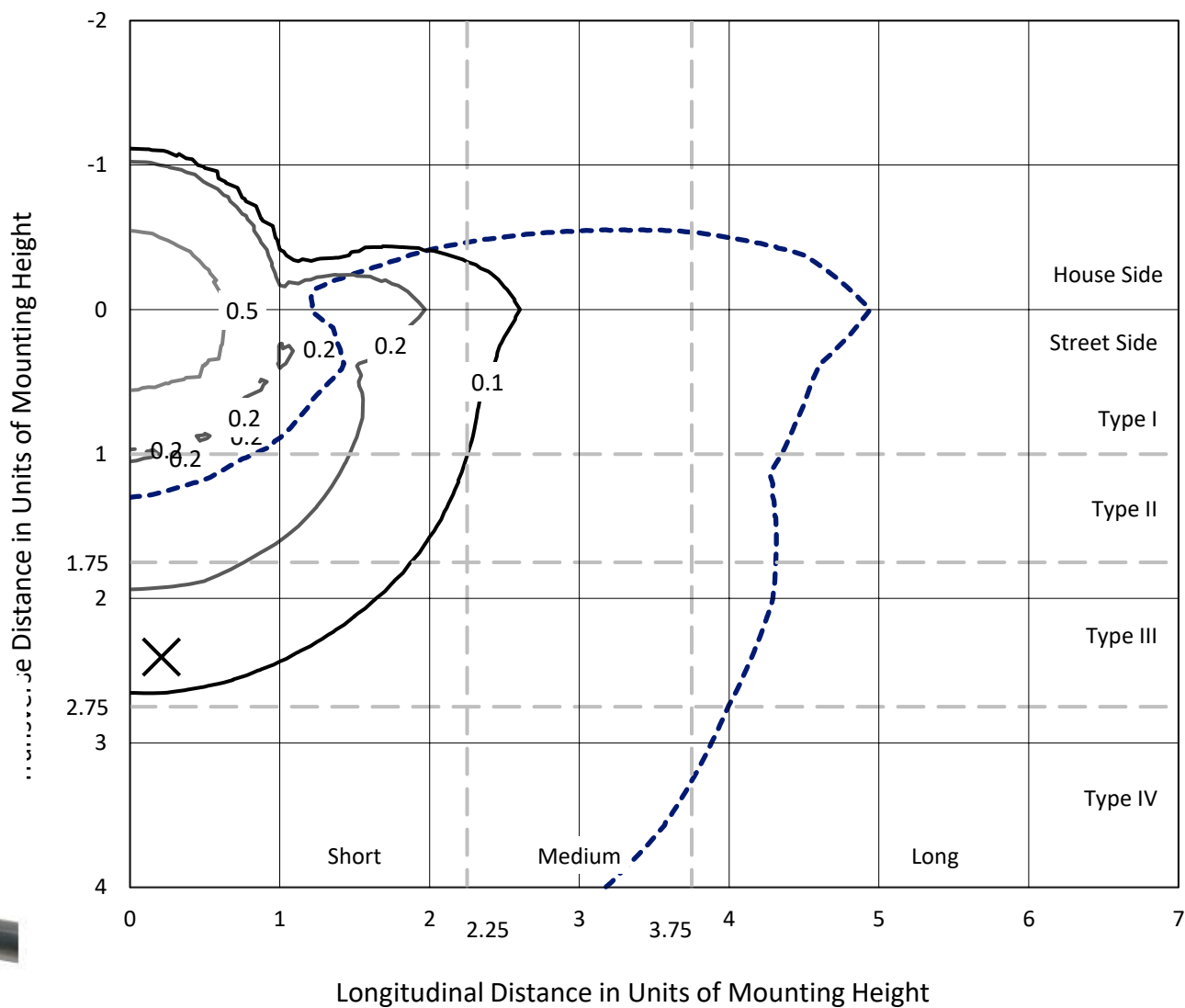
REPORT NUMBER: P691269

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

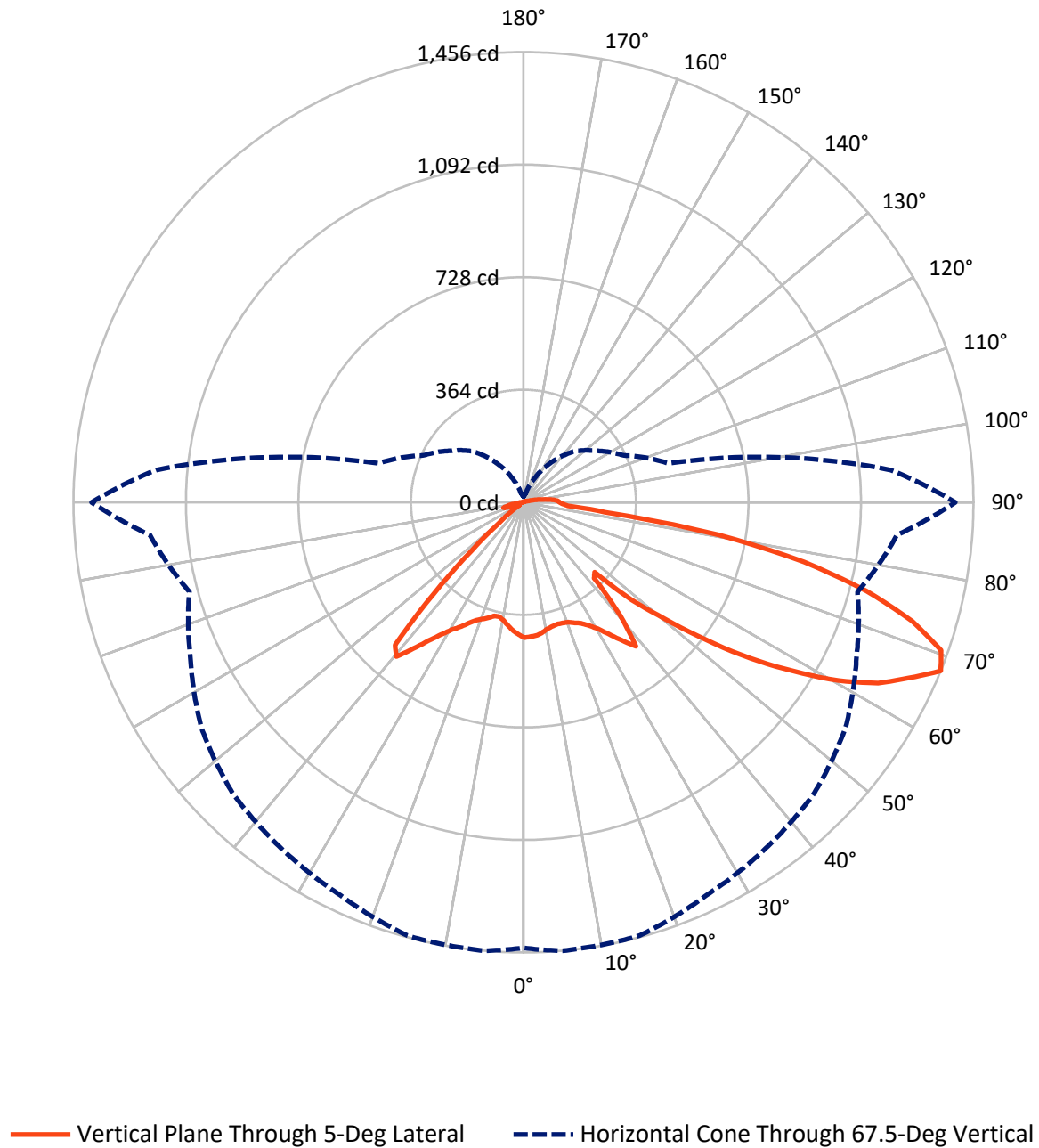


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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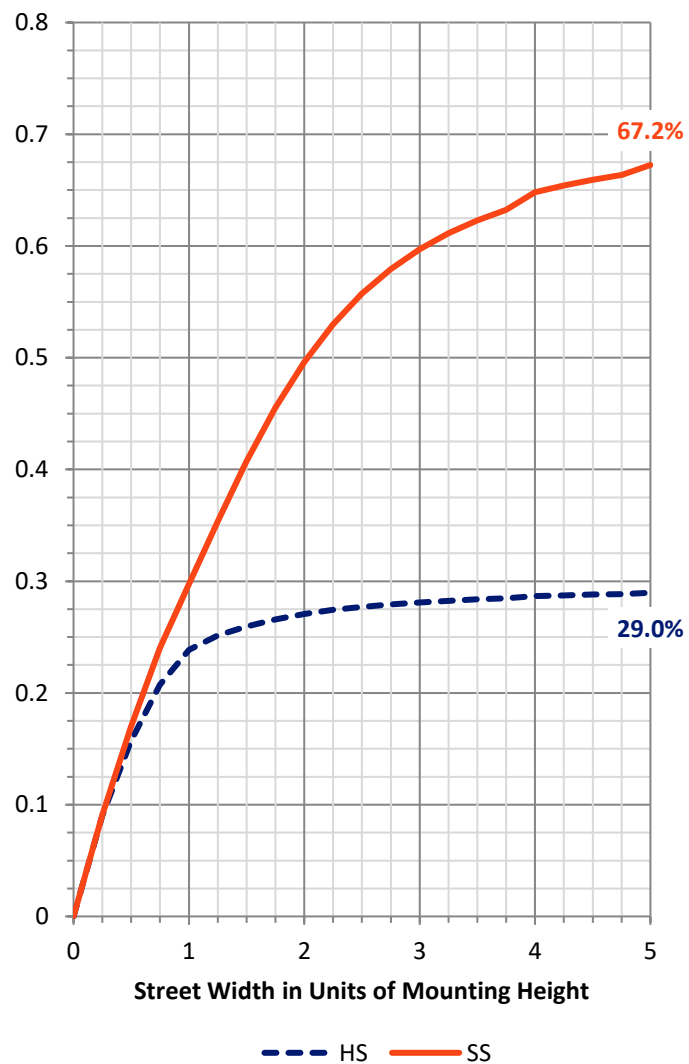
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	922.9	13.9	936.8
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	2158.0	54.2	2212.3
	% Fixture	68.5	1.7	70.3
Total	Lumens	3080.9	68.1	3149.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	1.3
10°-20°	116.8	3.7
20°-30°	207.6	6.6
30°-40°	347.1	11.0
40°-50°	317.0	10.1
50°-60°	470.5	14.9
60°-70°	771.9	24.5
70°-80°	662.5	21.0
80°-90°	147.0	4.7
90°-100°	49.6	1.6
100°-110°	12.2	0.4
110°-120°	3.9	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°	3080.9	97.8
0°-180°	3149.0	100.0

Coefficient of Utilization



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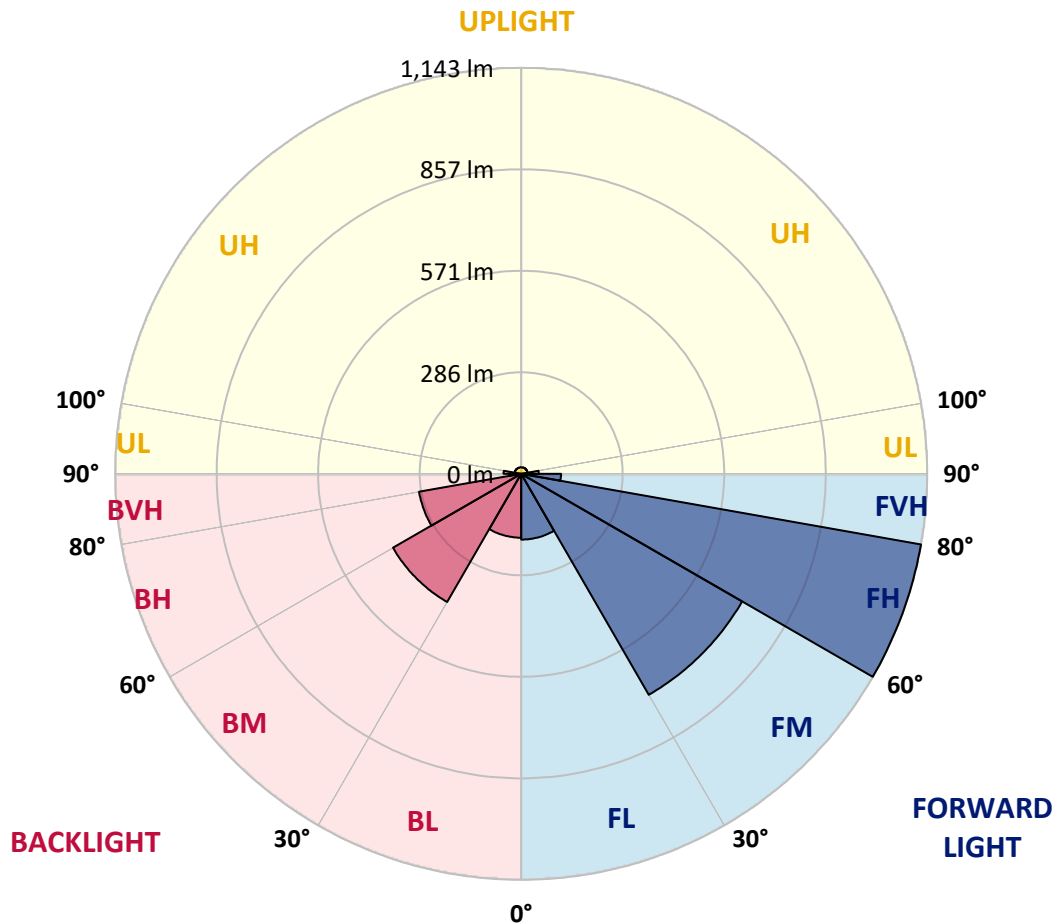
CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	185.1	5.9			
FM	(30°-60°)	718.2	22.8			
FH	(60°-80°)	1142.7	36.3			G1/1800
FVH	(80°-90°)	112.0	3.6			G2/225
BL	(0°-30°)	179.8	5.7	B1/500		
BM	(30°-60°)	416.5	13.2	B1/1000		
BH	(60°-80°)	291.7	9.3	B1/500		G1/500
BVH	(80°-90°)	34.9	1.1			G1/100
UL	(90°-100°)	49.6	1.6		U2/50	
UH	(100°-180°)	18.5	0.6		U2/50	

BUG Rating: B1-U2-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	438.1	438.1	438.1	438.1	438.1	438.1	438.1	438.1	438.1	438.1	438.1
2.5°	434.9	434.9	434.9	436.5	438.1	436.5	434.9	433.2	431.6	433.2	433.2
5°	433.2	433.2	434.9	434.9	436.5	438.1	436.5	434.9	433.2	433.2	433.2
7.5°	425.1	426.7	426.7	428.4	430.0	433.2	433.2	430.0	430.0	430.0	430.0
10°	416.9	416.9	418.6	420.2	421.8	425.1	425.1	421.8	423.5	425.1	425.1
12.5°	412.1	412.1	413.7	416.9	418.6	420.2	421.8	421.8	423.5	421.8	423.5
15°	408.8	408.8	408.8	413.7	418.6	420.2	423.5	425.1	426.7	426.7	426.7
17.5°	410.4	410.4	410.4	416.9	420.2	425.1	428.4	430.0	430.0	431.6	431.6
20°	413.7	413.7	415.3	420.2	426.7	431.6	434.9	436.5	436.5	439.8	439.8
22.5°	420.2	423.5	421.8	426.7	431.6	438.1	443.0	446.3	446.3	449.5	449.5
25°	434.9	433.2	434.9	439.8	444.6	449.5	452.8	457.7	459.3	462.6	462.6
27.5°	451.2	451.2	451.2	456.0	459.3	464.2	467.4	470.7	474.0	478.8	480.5
30°	475.6	474.0	472.3	477.2	480.5	485.4	488.6	490.2	490.2	493.5	496.8
32.5°	508.2	508.2	508.2	511.4	513.0	517.9	519.6	521.2	519.6	524.4	526.1
35°	548.9	548.9	550.5	553.8	558.6	561.9	563.5	561.9	563.5	566.8	570.0
37.5°	589.6	591.2	596.1	601.0	604.3	610.8	615.7	615.7	617.3	627.1	627.1
40°	477.2	482.1	487.0	498.4	513.0	532.6	565.2	578.2	615.7	635.2	640.1
42.5°	324.1	335.5	348.5	363.2	374.6	376.2	407.2	425.1	462.6	498.4	508.2
45°	309.5	322.5	335.5	325.7	333.9	307.8	338.8	342.0	359.9	387.6	460.9
47.5°	454.4	472.3	490.2	465.8	470.7	413.7	425.1	412.1	371.3	416.9	539.1
50°	592.9	591.2	617.3	605.9	618.9	557.0	561.9	535.8	472.3	535.8	710.1
52.5°	726.4	739.4	767.1	763.9	773.6	693.8	679.2	656.4	557.0	654.7	860.0
55°	881.1	890.9	917.0	908.8	903.9	824.1	798.1	775.3	679.2	806.2	1019.6
57.5°	1026.1	1031.0	1061.9	1034.2	1017.9	957.7	921.8	884.4	789.9	944.7	1130.3
60°	1164.5	1171.0	1189.0	1151.5	1125.4	1078.2	1034.2	993.5	905.6	1068.4	1232.9
62.5°	1294.8	1288.3	1296.5	1249.2	1231.3	1189.0	1141.7	1091.2	1014.7	1166.2	1332.3
65°	1369.7	1369.7	1379.5	1319.3	1291.6	1265.5	1213.4	1154.8	1084.7	1213.4	1394.2
67.5°	1441.4	1456.1	1451.2	1402.3	1366.5	1330.7	1272.0	1189.0	1118.9	1213.4	1397.4
70°	1415.3	1433.3	1413.7	1374.6	1338.8	1296.5	1242.7	1161.3	1083.1	1154.8	1322.5
72.5°	1303.0	1316.0	1307.9	1273.7	1229.7	1202.0	1145.0	1083.1	991.9	1053.8	1200.4
75°	1149.9	1146.6	1161.3	1122.2	1084.7	1058.7	1003.3	964.2	879.5	925.1	1065.2
77.5°	926.7	928.4	959.3	915.3	886.0	868.1	817.6	785.0	708.5	749.2	856.7
80°	622.2	640.1	669.4	622.2	617.3	592.9	550.5	529.3	470.7	490.2	547.2
82.5°	259.0	267.1	276.9	262.2	257.3	249.2	231.3	224.8	202.0	211.7	211.7
85°	145.0	143.3	148.2	148.2	145.0	138.4	131.9	120.5	110.8	109.1	101.0
87.5°	122.2	123.8	127.0	127.0	120.5	115.6	107.5	99.4	91.2	86.3	78.2
90°	114.0	115.6	117.3	112.4	105.9	101.0	94.5	88.0	81.4	78.2	70.0
92.5°	109.1	109.1	109.1	102.6	96.1	91.2	86.3	79.8	74.9	71.7	65.1
95°	91.2	89.6	88.0	84.7	78.2	73.3	70.0	63.5	60.3	57.0	53.7
97.5°	68.4	66.8	65.1	63.5	57.0	53.7	52.1	48.9	45.6	40.7	39.1
100°	48.9	47.2	47.2	45.6	42.3	39.1	37.5	34.2	30.9	27.7	26.1
102.5°	32.6	30.9	30.9	29.3	27.7	26.1	22.8	21.2	17.9	16.3	14.7
105°	17.9	17.9	17.9	16.3	16.3	14.7	13.0	11.4	9.8	9.8	8.1
107.5°	13.0	13.0	13.0	13.0	11.4	11.4	9.8	8.1	8.1	6.5	6.5
110°	9.8	9.8	9.8	9.8	9.8	8.1	8.1	6.5	6.5	4.9	4.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	8.1	8.1	8.1	8.1	8.1	8.1	6.5	6.5	4.9	4.9	4.9
115°	8.1	8.1	8.1	8.1	6.5	6.5	4.9	4.9	4.9	4.9	3.3
117.5°	6.5	6.5	6.5	6.5	6.5	4.9	4.9	4.9	4.9	3.3	4.9
120°	6.5	6.5	6.5	6.5	4.9	4.9	4.9	3.3	3.3	3.3	3.3
122.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3
125°	4.9	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3
127.5°	4.9	4.9	3.3	4.9	3.3	3.3	3.3	3.3	3.3	1.6	3.3
130°	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3	1.6	1.6	1.6
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°	438.1	438.1	438.1	438.1	438.1	438.1	438.1	438.1	438.1	438.1
2.5°	434.9	434.9	436.5	434.9	434.9	431.6	430.0	428.4	428.4	428.4
5°	433.2	433.2	431.6	428.4	426.7	423.5	420.2	418.6	416.9	418.6
7.5°	430.0	426.7	423.5	416.9	412.1	410.4	403.9	402.3	402.3	402.3
10°	423.5	420.2	412.1	403.9	400.7	395.8	390.9	386.0	387.6	389.3
12.5°	421.8	413.7	407.2	399.0	394.1	386.0	384.4	379.5	377.9	377.9
15°	423.5	416.9	408.8	402.3	395.8	392.5	386.0	384.4	379.5	382.7
17.5°	430.0	420.2	413.7	407.2	400.7	397.4	392.5	389.3	390.9	390.9
20°	436.5	426.7	420.2	415.3	408.8	403.9	402.3	399.0	400.7	397.4
22.5°	446.3	436.5	431.6	425.1	420.2	416.9	413.7	415.3	412.1	413.7
25°	459.3	451.2	444.6	439.8	434.9	431.6	431.6	431.6	430.0	431.6
27.5°	477.2	469.1	464.2	460.9	456.0	452.8	449.5	451.2	452.8	451.2
30°	493.5	483.7	482.1	478.8	475.6	474.0	474.0	474.0	474.0	477.2
32.5°	519.6	509.8	506.5	506.5	503.3	501.6	500.0	503.3	504.9	503.3
35°	560.3	547.2	544.0	542.4	540.7	540.7	542.4	542.4	542.4	542.4
37.5°	610.8	592.9	589.6	588.0	588.0	588.0	586.3	588.0	592.9	594.5
40°	633.6	622.2	627.1	635.2	640.1	640.1	638.5	641.7	646.6	646.6
42.5°	513.0	488.6	506.5	539.1	560.3	586.3	591.2	607.5	620.5	620.5
45°	416.9	316.0	322.5	343.7	353.4	376.2	389.3	403.9	412.1	400.7
47.5°	469.1	203.6	167.8	174.3	149.8	180.8	202.0	224.8	229.6	234.5
50°	736.2	210.1	141.7	102.6	68.4	91.2	96.1	109.1	105.9	107.5
52.5°	894.2	241.0	141.7	91.2	57.0	60.3	55.4	61.9	65.1	71.7
55°	1003.3	289.9	184.0	115.6	66.8	40.7	27.7	21.2	19.5	19.5
57.5°	1055.4	355.1	239.4	164.5	104.2	57.0	24.4	17.9	16.3	14.7
60°	1104.3	425.1	302.9	224.8	164.5	101.0	45.6	17.9	14.7	14.7
62.5°	1148.2	495.1	366.5	291.5	231.3	158.0	84.7	30.9	16.3	16.3
65°	1184.1	509.8	371.3	316.0	249.2	185.7	110.8	37.5	17.9	17.9
67.5°	1193.8	485.4	358.3	289.9	232.9	158.0	86.3	30.9	21.2	19.5
70°	1128.7	460.9	359.9	275.3	210.1	140.1	57.0	35.8	27.7	26.1
72.5°	1021.2	426.7	342.0	267.1	202.0	141.7	66.8	58.6	52.1	48.9
75°	899.0	386.0	316.0	255.7	195.4	136.8	78.2	73.3	66.8	65.1
77.5°	721.5	320.9	265.5	216.6	164.5	109.1	65.1	61.9	53.7	53.7
80°	474.0	239.4	200.3	166.1	125.4	76.5	48.9	44.0	39.1	37.5
82.5°	193.8	140.1	120.5	104.2	81.4	48.9	32.6	27.7	22.8	21.2
85°	94.5	70.0	60.3	48.9	40.7	27.7	21.2	17.9	13.0	13.0
87.5°	76.5	55.4	45.6	37.5	27.7	19.5	14.7	11.4	8.1	6.5
90°	70.0	48.9	39.1	30.9	22.8	16.3	9.8	8.1	4.9	3.3
92.5°	63.5	42.3	34.2	24.4	17.9	13.0	6.5	4.9	3.3	3.3
95°	52.1	32.6	26.1	19.5	14.7	9.8	6.5	3.3	1.6	1.6
97.5°	37.5	24.4	19.5	14.7	11.4	6.5	4.9	3.3	1.6	1.6
100°	26.1	16.3	14.7	11.4	8.1	4.9	3.3	1.6	1.6	1.6
102.5°	13.0	9.8	9.8	8.1	6.5	4.9	1.6	1.6	0.0	0.0
105°	8.1	6.5	6.5	4.9	3.3	3.3	1.6	1.6	0.0	0.0
107.5°	4.9	4.9	4.9	3.3	3.3	1.6	1.6	0.0	0.0	0.0
110°	4.9	3.3	3.3	3.3	1.6	1.6	1.6	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°	3.3	3.3	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0
115°	3.3	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
117.5°	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
120°	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
122.5°	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
125°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
127.5°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.6	1.6	1.6	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)