

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: P691374

Luminaire Tested: **CRTK2-C015-D-U-T5R-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691374
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-23)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T5R-8027-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3421 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - G1

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



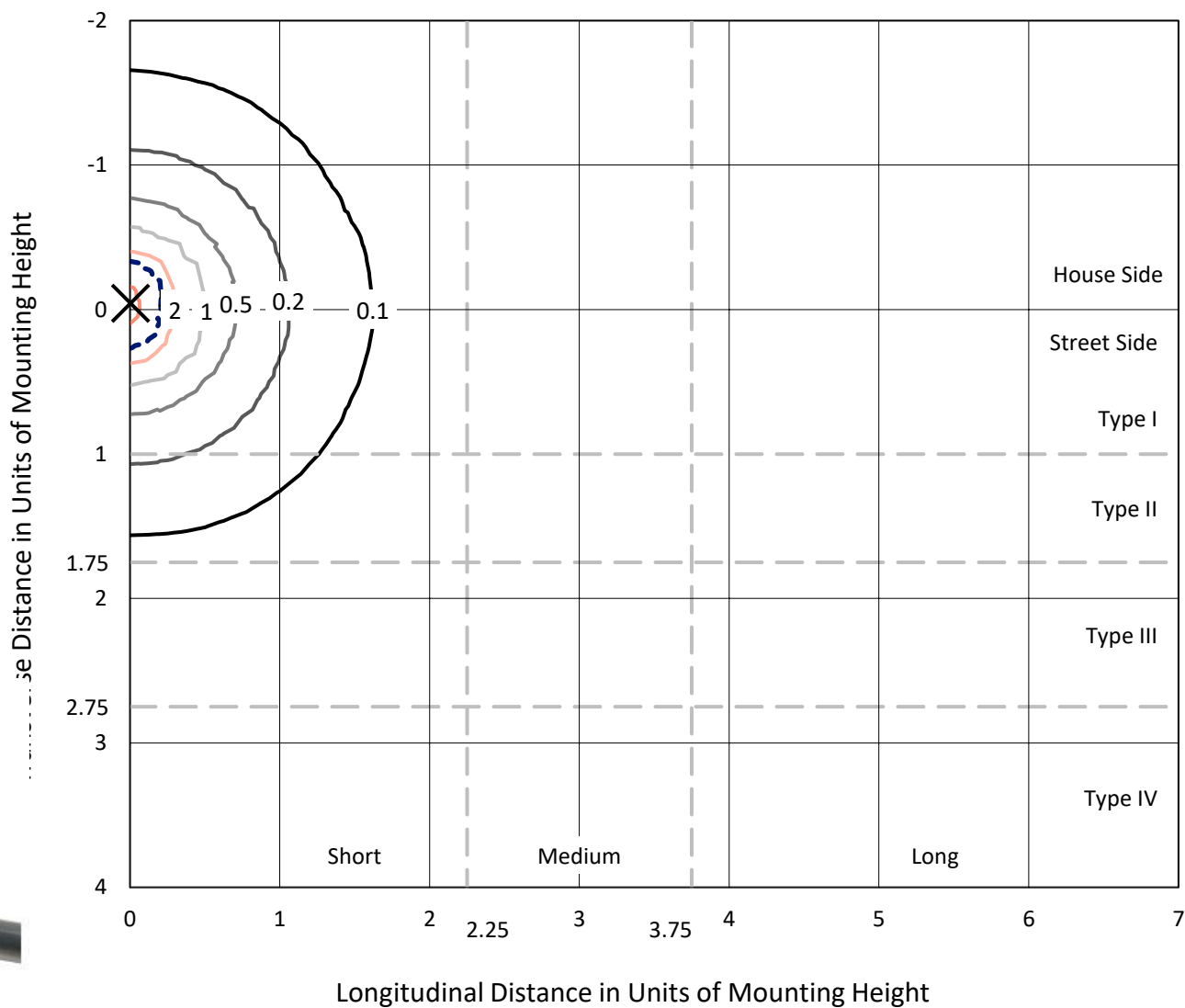
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

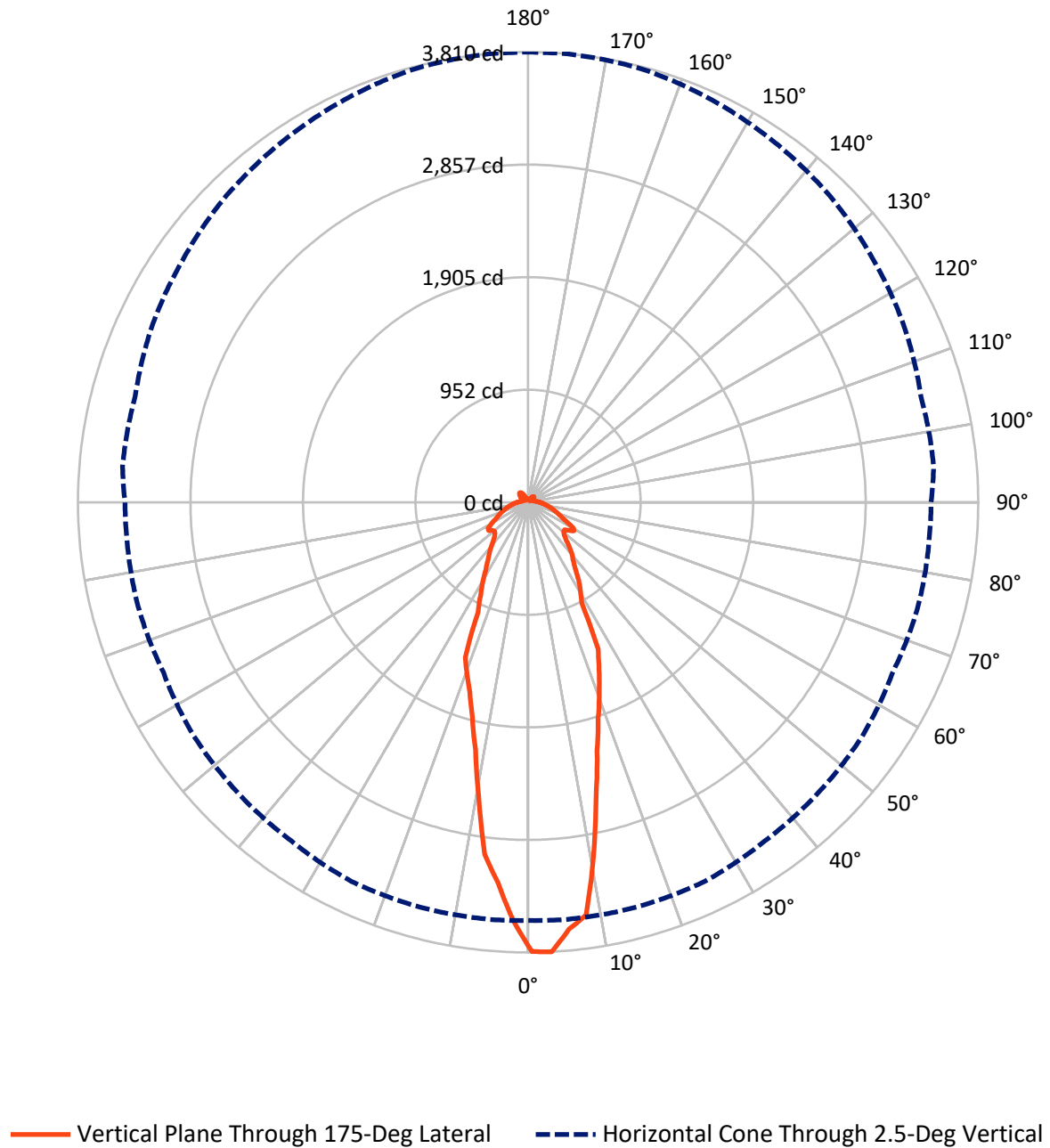


Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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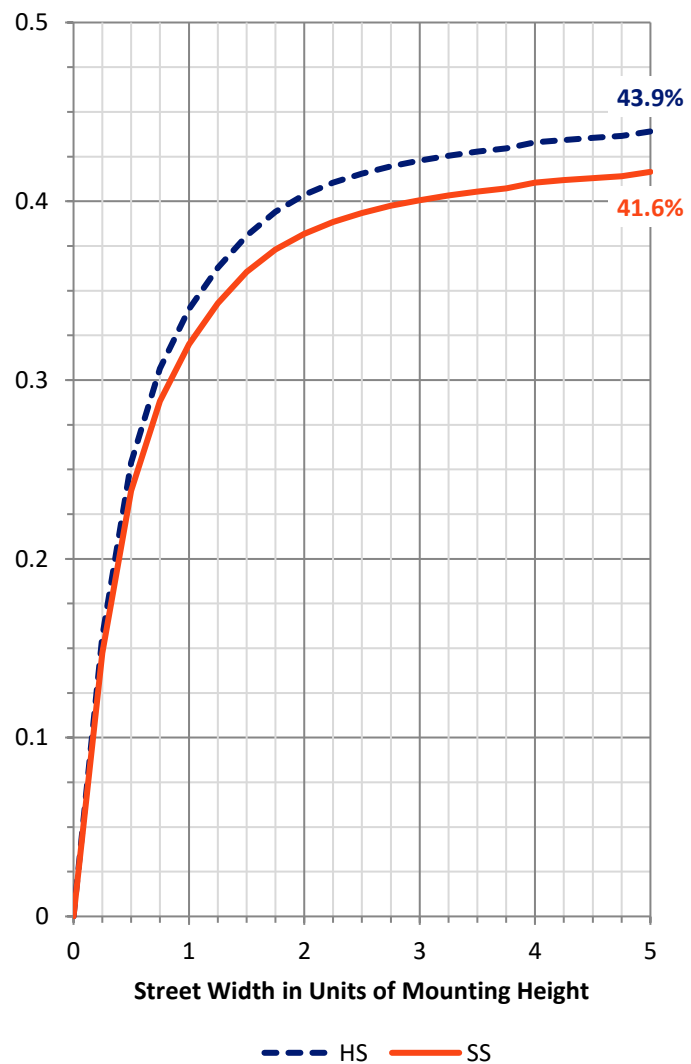
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1548.3	204.5	1752.8
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	1458.3	209.9	1668.2
	% Fixture	42.6	6.1	48.8
Total	Lumens	3006.5	414.5	3421.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.0	8.3
10°-20°	496.8	14.5
20°-30°	492.6	14.4
30°-40°	379.7	11.1
40°-50°	325.5	9.5
50°-60°	364.1	10.6
60°-70°	311.9	9.1
70°-80°	214.7	6.3
80°-90°	138.2	4.0
90°-100°	82.8	2.4
100°-110°	49.3	1.4
110°-120°	45.6	1.3
120°-130°	65.1	1.9
130°-140°	84.1	2.5
140°-150°	62.2	1.8
150°-160°	22.8	0.7
160°-170°	2.7	0.1
170°-180°	0.0	0.0
0°-90°	3006.5	87.9
0°-180°	3421.0	100.0

Coefficient of Utilization



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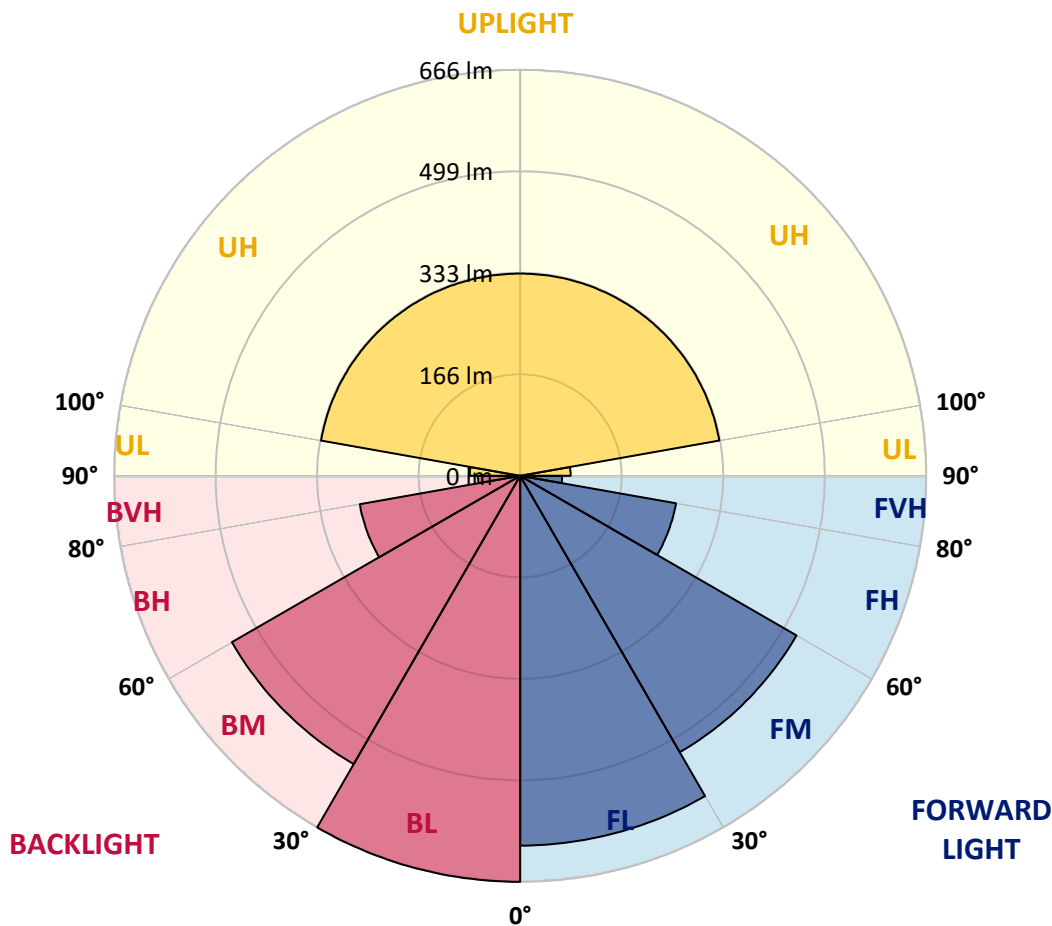
CATALOG NUMBER: CRTK2-C015-D-U-T5R-8027-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	606.5	17.7			
FM	(30°-60°)	523.4	15.3			
FH	(60°-80°)	259.5	7.6			G0/660
FVH	(80°-90°)	68.9	2.0			G1/100
BL	(0°-30°)	665.9	19.5	B2/1000		
BM	(30°-60°)	546.0	16.0	B1/1000		
BH	(60°-80°)	267.1	7.8	B1/500		G0/660
BVH	(80°-90°)	69.3	2.0			G1/100
UL	(90°-100°)	82.8	2.4		U3/500	
UH	(100°-180°)	331.7	9.7		U3/500	

BUG Rating: B2-U3-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3801.8	3801.8	3801.8	3801.8	3801.8	3801.8	3801.8	3801.8	3801.8	3801.8	3801.8
2.5°	3539.2	3544.4	3545.6	3539.2	3496.7	3474.9	3451.7	3405.4	3415.7	3409.2	3410.5
5°	3209.7	3230.3	3198.2	3189.2	3124.8	3077.2	3030.9	2980.7	2969.1	2948.5	2956.2
7.5°	2991.0	3002.5	2949.8	2895.7	2792.8	2719.4	2642.2	2565.0	2507.0	2485.2	2494.2
10°	2490.3	2528.9	2476.2	2420.8	2323.0	2235.5	2154.4	2078.5	2025.7	2009.0	2011.6
12.5°	2117.1	2139.0	2093.9	2056.6	1947.2	1863.6	1788.9	1718.1	1675.7	1657.6	1657.6
15°	1870.0	1879.0	1844.3	1772.2	1689.8	1613.9	1550.8	1499.3	1464.6	1458.2	1460.7
17.5°	1683.4	1683.4	1648.6	1592.0	1528.9	1462.0	1418.3	1379.6	1364.2	1369.4	1370.6
20°	1543.1	1544.4	1513.5	1458.2	1404.1	1343.6	1307.6	1280.6	1271.5	1280.6	1281.8
22.5°	1410.5	1417.0	1383.5	1342.3	1283.1	1235.5	1205.9	1176.3	1171.2	1175.0	1175.0
25°	1020.6	1020.6	1009.0	976.8	989.7	994.8	1029.6	1104.2	1088.8	1102.9	1101.7
27.5°	880.3	885.4	862.3	834.0	804.4	769.6	763.2	756.7	750.3	779.9	790.2
30°	777.3	779.9	760.6	741.3	716.9	697.5	692.4	692.4	686.0	709.1	707.8
32.5°	679.5	675.7	670.5	652.5	637.1	620.3	624.2	621.6	621.6	642.2	643.5
35°	602.3	601.0	597.2	584.3	568.8	556.0	559.8	562.4	561.1	574.0	574.0
37.5°	545.7	547.0	544.4	539.2	523.8	513.5	516.1	513.5	517.4	526.4	526.4
40°	490.3	490.3	491.6	490.3	480.0	476.2	483.9	480.0	489.1	495.5	492.9
42.5°	437.6	438.9	441.4	438.9	432.4	428.6	432.4	433.7	446.6	455.6	454.3
45°	404.1	404.1	405.4	404.1	399.0	395.1	395.1	391.2	400.3	405.4	404.1
47.5°	382.2	382.2	384.8	383.5	380.9	377.1	374.5	369.4	373.2	377.1	373.2
50°	374.5	374.5	379.7	379.7	378.4	374.5	370.7	364.2	365.5	368.1	362.9
52.5°	386.1	386.1	395.1	399.0	399.0	392.5	387.4	378.4	378.4	380.9	373.2
55°	410.5	410.5	424.7	432.4	433.7	433.7	427.3	418.3	419.6	424.7	417.0
57.5°	401.5	402.8	414.4	424.7	431.1	435.0	435.0	429.9	433.7	446.6	442.7
60°	359.1	361.6	369.4	378.4	390.0	393.8	393.8	392.5	399.0	414.4	414.4
62.5°	319.2	320.5	324.3	332.0	338.5	341.1	341.1	335.9	343.6	351.3	348.8
65°	288.3	287.0	294.7	301.2	305.0	308.9	305.0	299.9	303.7	308.9	307.6
67.5°	262.5	262.5	269.0	274.1	276.7	280.6	278.0	275.4	280.6	283.1	280.6
70°	238.1	239.4	244.5	248.4	251.0	254.8	251.0	249.7	254.8	257.4	256.1
72.5°	213.6	214.9	218.8	223.9	226.5	227.8	226.5	225.2	229.1	231.7	231.7
75°	191.8	193.0	195.6	200.8	200.8	203.3	202.1	200.8	204.6	207.2	207.2
77.5°	171.2	173.7	175.0	178.9	180.2	181.5	180.2	180.2	182.8	185.3	186.6
80°	153.2	154.4	155.7	159.6	159.6	160.9	159.6	159.6	162.2	166.0	166.0
82.5°	136.4	137.7	139.0	141.6	140.3	141.6	141.6	141.6	144.1	148.0	148.0
85°	119.7	122.3	122.3	124.8	124.8	124.8	124.8	126.1	127.4	131.3	131.3
87.5°	105.5	106.8	108.1	109.4	109.4	110.7	110.7	112.0	113.3	115.8	117.1
90°	91.4	92.7	94.0	94.0	94.0	95.2	95.2	96.5	97.8	100.4	101.7
92.5°	81.1	82.4	82.4	83.7	83.7	83.7	84.9	86.2	87.5	90.1	90.1
95°	72.1	73.4	73.4	73.4	73.4	74.6	74.6	75.9	77.2	79.8	79.8
97.5°	64.3	64.3	64.3	64.3	64.3	65.6	65.6	66.9	68.2	69.5	69.5
100°	56.6	56.6	56.6	56.6	56.6	56.6	56.6	57.9	57.9	60.5	60.5
102.5°	50.2	50.2	48.9	48.9	48.9	47.6	47.6	48.9	48.9	50.2	50.2
105°	45.0	45.0	45.0	45.0	43.8	43.8	43.8	43.8	43.8	45.0	45.0
107.5°	43.8	43.8	42.5	42.5	42.5	41.2	41.2	41.2	41.2	42.5	42.5
110°	42.5	42.5	42.5	42.5	41.2	41.2	39.9	39.9	39.9	41.2	41.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	43.8	43.8	43.8	42.5	42.5	41.2	41.2	41.2	41.2	41.2	42.5
115°	46.3	45.0	45.0	45.0	45.0	43.8	42.5	42.5	43.8	43.8	43.8
117.5°	50.2	48.9	48.9	50.2	48.9	47.6	46.3	46.3	47.6	47.6	48.9
120°	55.3	54.1	55.3	55.3	55.3	54.1	52.8	51.5	52.8	54.1	54.1
122.5°	61.8	60.5	61.8	63.1	63.1	61.8	59.2	59.2	60.5	61.8	63.1
125°	69.5	69.5	70.8	72.1	73.4	70.8	69.5	68.2	70.8	72.1	72.1
127.5°	78.5	77.2	79.8	83.7	84.9	82.4	79.8	78.5	81.1	83.7	83.7
130°	87.5	86.2	90.1	94.0	96.5	94.0	91.4	90.1	92.7	95.2	95.2
132.5°	95.2	94.0	99.1	104.2	106.8	105.5	103.0	100.4	104.2	106.8	105.5
135°	101.7	101.7	108.1	113.3	115.8	114.5	112.0	109.4	114.5	117.1	114.5
137.5°	105.5	105.5	113.3	118.4	121.0	121.0	119.7	117.1	122.3	123.6	119.7
140°	105.5	106.8	113.3	118.4	119.7	121.0	121.0	119.7	124.8	124.8	121.0
142.5°	101.7	103.0	109.4	114.5	115.8	117.1	118.4	117.1	121.0	121.0	118.4
145°	95.2	96.5	103.0	108.1	108.1	109.4	112.0	110.7	113.3	114.5	112.0
147.5°	86.2	87.5	92.7	95.2	96.5	99.1	101.7	101.7	103.0	104.2	103.0
150°	74.6	74.6	78.5	81.1	82.4	84.9	87.5	88.8	88.8	90.1	88.8
152.5°	59.2	59.2	61.8	64.3	65.6	69.5	70.8	72.1	73.4	74.6	73.4
155°	45.0	45.0	46.3	47.6	48.9	52.8	54.1	55.3	56.6	57.9	56.6
157.5°	32.2	32.2	33.5	34.7	36.0	38.6	39.9	41.2	41.2	42.5	42.5
160°	20.6	21.9	21.9	23.2	23.2	25.7	27.0	27.0	28.3	29.6	29.6
162.5°	10.3	11.6	11.6	12.9	14.2	15.4	16.7	16.7	18.0	18.0	18.0
165°	2.6	3.9	3.9	5.1	5.1	6.4	7.7	7.7	9.0	9.0	9.0
167.5°	0.0	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6	2.6
170°	0.0	0.0	0.0	0.0	1.3	0.0	0.0	1.3	1.3	1.3	1.3
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°	178°	180°
0°	3801.8	3801.8	3801.8	3801.8	3801.8	3801.8	3801.8	3801.8	3801.8	3801.8	3801.8
2.5°	3445.3	3442.7	3513.5	3570.1	3637.0	3689.8	3741.3	3790.2	3809.5	3808.2	3809.5
5°	2991.0	3036.0	3128.7	3220.0	3328.1	3429.8	3525.1	3588.1	3628.0	3628.0	3631.9
7.5°	2535.4	2607.4	2722.0	2867.4	3029.6	3162.1	3323.0	3436.3	3526.3	3523.8	3540.5
10°	2047.6	2104.2	2218.8	2374.5	2553.4	2706.5	2846.8	2952.3	3039.9	3034.7	3056.6
12.5°	1682.1	1722.0	1821.1	1962.7	2126.1	2274.1	2411.8	2494.2	2556.0	2554.7	2566.3
15°	1467.2	1508.3	1572.7	1670.5	1805.6	1936.9	2074.6	2149.3	2184.0	2180.2	2199.5
17.5°	1379.6	1396.4	1436.3	1501.9	1599.7	1706.5	1815.9	1880.3	1920.2	1915.0	1929.2
20°	1285.7	1301.1	1328.2	1377.1	1446.6	1527.7	1620.3	1691.1	1720.7	1719.4	1728.4
22.5°	1177.6	1185.3	1214.9	1253.5	1303.7	1369.4	1440.1	1504.5	1534.1	1532.8	1541.8
25°	1102.9	1115.8	1133.8	1157.0	1191.7	1243.2	1302.4	1347.5	1374.5	1371.9	1383.5
27.5°	805.7	818.5	827.5	841.7	843.0	885.4	906.0	943.4	967.8	966.5	974.2
30°	707.8	710.4	718.1	737.4	749.0	782.5	823.7	852.0	872.6	880.3	885.4
32.5°	646.1	653.8	662.8	671.8	686.0	706.6	738.7	764.5	786.3	790.2	799.2
35°	575.3	580.4	586.9	595.9	604.9	621.6	646.1	666.7	683.4	689.8	695.0
37.5°	525.1	526.4	532.8	543.1	550.8	565.0	586.9	602.3	619.0	620.3	625.5
40°	491.6	492.9	499.4	508.4	517.4	526.4	545.7	559.8	571.4	572.7	576.6
42.5°	453.0	456.9	459.5	463.3	469.8	477.5	494.2	501.9	509.6	510.9	516.1
45°	400.3	401.5	404.1	408.0	415.7	423.4	435.0	444.0	449.2	449.2	447.9
47.5°	370.7	371.9	371.9	377.1	383.5	391.2	401.5	409.3	411.8	411.8	411.8
50°	360.4	360.4	357.8	361.6	368.1	373.2	383.5	390.0	391.2	392.5	393.8
52.5°	368.1	365.5	357.8	361.6	368.1	373.2	383.5	386.1	386.1	388.7	390.0
55°	410.5	406.7	391.2	393.8	401.5	408.0	415.7	417.0	419.6	423.4	422.1
57.5°	437.6	440.1	422.1	426.0	440.1	445.3	454.3	453.0	458.2	463.3	464.6
60°	411.8	419.6	405.4	410.5	427.3	429.9	438.9	433.7	441.4	441.4	441.4
62.5°	350.1	352.6	344.9	352.6	368.1	368.1	374.5	370.7	373.2	370.7	371.9
65°	306.3	305.0	296.0	306.3	311.5	314.0	319.2	320.5	320.5	317.9	317.9
67.5°	279.3	276.7	269.0	271.6	276.7	278.0	285.7	287.0	285.7	285.7	287.0
70°	254.8	251.0	243.2	244.5	248.4	249.7	256.1	258.7	257.4	256.1	257.4
72.5°	230.4	226.5	218.8	218.8	222.6	225.2	230.4	232.9	230.4	230.4	231.7
75°	207.2	203.3	195.6	195.6	198.2	199.5	205.9	207.2	205.9	204.6	205.9
77.5°	186.6	184.0	176.3	176.3	177.6	178.9	182.8	184.0	182.8	181.5	182.8
80°	167.3	163.4	158.3	157.0	158.3	158.3	162.2	163.4	160.9	160.9	162.2
82.5°	149.3	145.4	140.3	140.3	139.0	140.3	142.9	144.1	142.9	141.6	142.9
85°	132.6	130.0	124.8	123.6	123.6	123.6	126.1	126.1	124.8	124.8	124.8
87.5°	117.1	114.5	109.4	109.4	108.1	109.4	110.7	110.7	109.4	109.4	109.4
90°	101.7	99.1	95.2	95.2	94.0	95.2	96.5	96.5	95.2	95.2	95.2
92.5°	90.1	88.8	84.9	84.9	83.7	84.9	84.9	84.9	83.7	83.7	83.7
95°	79.8	78.5	75.9	74.6	74.6	74.6	74.6	74.6	73.4	73.4	73.4
97.5°	69.5	68.2	65.6	65.6	64.3	65.6	65.6	65.6	64.3	64.3	64.3
100°	60.5	59.2	57.9	57.9	56.6	56.6	56.6	56.6	56.6	56.6	56.6
102.5°	50.2	50.2	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
105°	45.0	45.0	45.0	45.0	46.3	46.3	46.3	45.0	45.0	45.0	45.0
107.5°	42.5	42.5	42.5	43.8	43.8	43.8	45.0	42.5	41.2	41.2	41.2
110°	41.2	41.2	42.5	42.5	43.8	43.8	45.0	39.9	38.6	38.6	38.6

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	42.5	42.5	42.5	43.8	45.0	45.0	46.3	39.9	38.6	38.6	38.6
115°	45.0	45.0	45.0	46.3	47.6	48.9	48.9	42.5	39.9	39.9	41.2
117.5°	48.9	48.9	48.9	50.2	52.8	52.8	52.8	45.0	43.8	43.8	43.8
120°	54.1	55.3	55.3	56.6	59.2	60.5	57.9	51.5	43.8	47.6	47.6
122.5°	61.8	63.1	64.3	65.6	69.5	69.5	65.6	59.2	47.6	52.8	54.1
125°	72.1	73.4	74.6	77.2	81.1	81.1	75.9	66.9	54.1	59.2	60.5
127.5°	82.4	84.9	86.2	90.1	95.2	95.2	88.8	77.2	60.5	64.3	65.6
130°	94.0	96.5	99.1	104.2	110.7	108.1	103.0	87.5	65.6	68.2	68.2
132.5°	104.2	108.1	109.4	117.1	123.6	121.0	114.5	94.0	68.2	68.2	66.9
135°	112.0	114.5	115.8	123.6	130.0	126.1	118.4	96.5	66.9	64.3	64.3
137.5°	117.1	119.7	121.0	126.1	131.3	124.8	114.5	91.4	64.3	63.1	61.8
140°	119.7	119.7	119.7	123.6	126.1	118.4	105.5	82.4	57.9	60.5	60.5
142.5°	117.1	115.8	114.5	117.1	118.4	109.4	97.8	73.4	52.8	55.3	55.3
145°	110.7	108.1	106.8	108.1	108.1	97.8	84.9	63.1	46.3	47.6	47.6
147.5°	101.7	97.8	95.2	95.2	94.0	83.7	72.1	52.8	39.9	38.6	38.6
150°	87.5	83.7	81.1	81.1	77.2	68.2	57.9	41.2	32.2	32.2	32.2
152.5°	72.1	68.2	65.6	65.6	61.8	52.8	43.8	30.9	24.5	24.5	24.5
155°	56.6	52.8	50.2	48.9	46.3	39.9	32.2	23.2	18.0	18.0	18.0
157.5°	42.5	39.9	37.3	36.0	33.5	29.6	23.2	16.7	11.6	12.9	12.9
160°	29.6	27.0	25.7	24.5	23.2	19.3	15.4	10.3	6.4	6.4	6.4
162.5°	18.0	16.7	16.7	15.4	14.2	12.9	9.0	5.1	2.6	2.6	2.6
165°	9.0	9.0	7.7	7.7	6.4	5.1	3.9	1.3	0.0	0.0	0.0
167.5°	2.6	2.6	2.6	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
170°	1.3	1.3	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)