

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: McGRAW-EDISON

Report Number: P271555

Luminaire Tested: **ISS-AF-XXX-LED-E1-SLL-7027-XXB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P271555  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29764)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: ISS-AF-XXX-LED-E1-SLL-7027-XXB  
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE, EMERGENCY MODE WITH BATTERY BACKPACK BOX  
LIGHT SQUARE WITH ACCUELED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (16) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 460.3 lumens  
Efficiency: N/A  
Efficacy: 35.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1

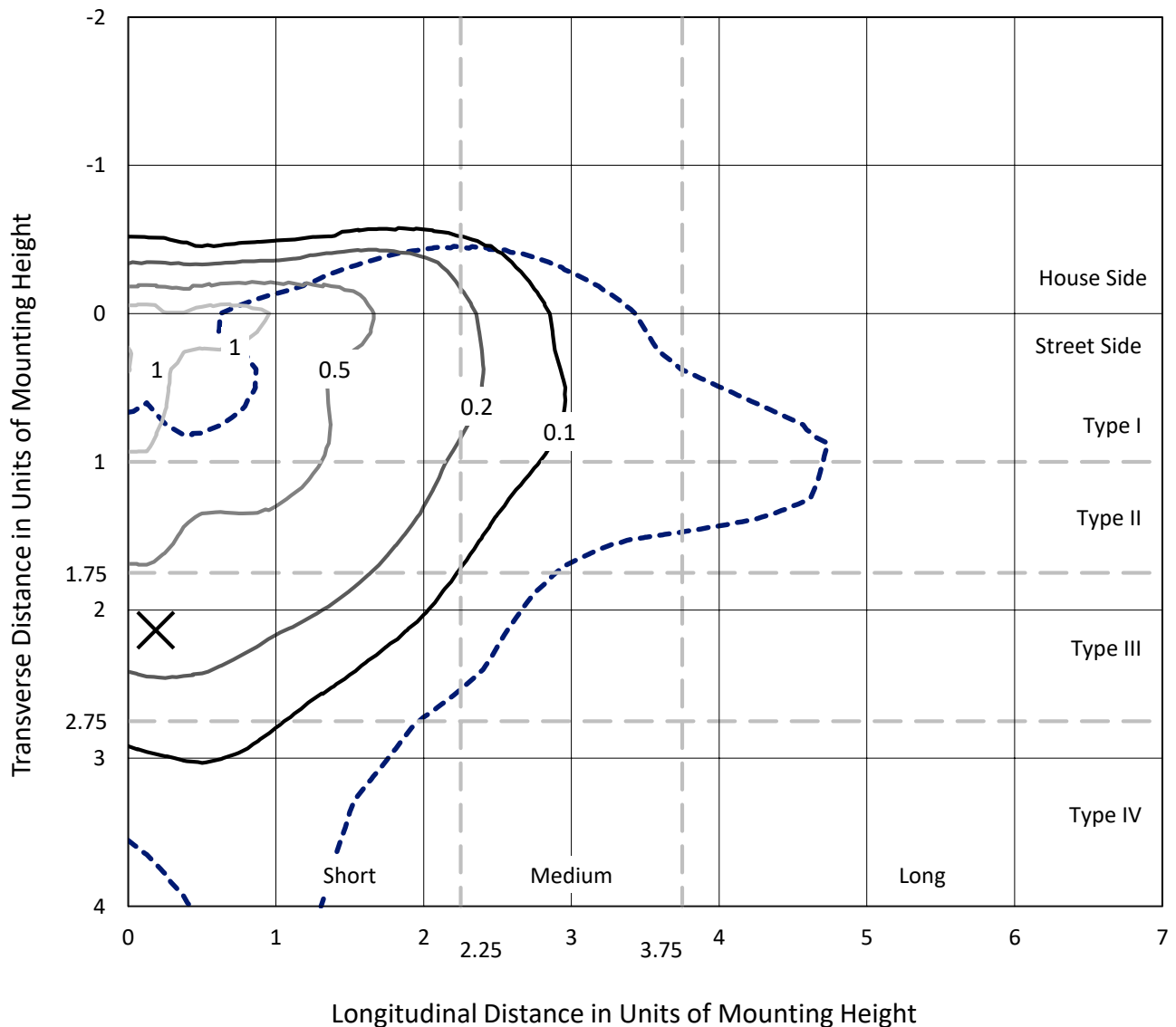
Input Watts (W): 13  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

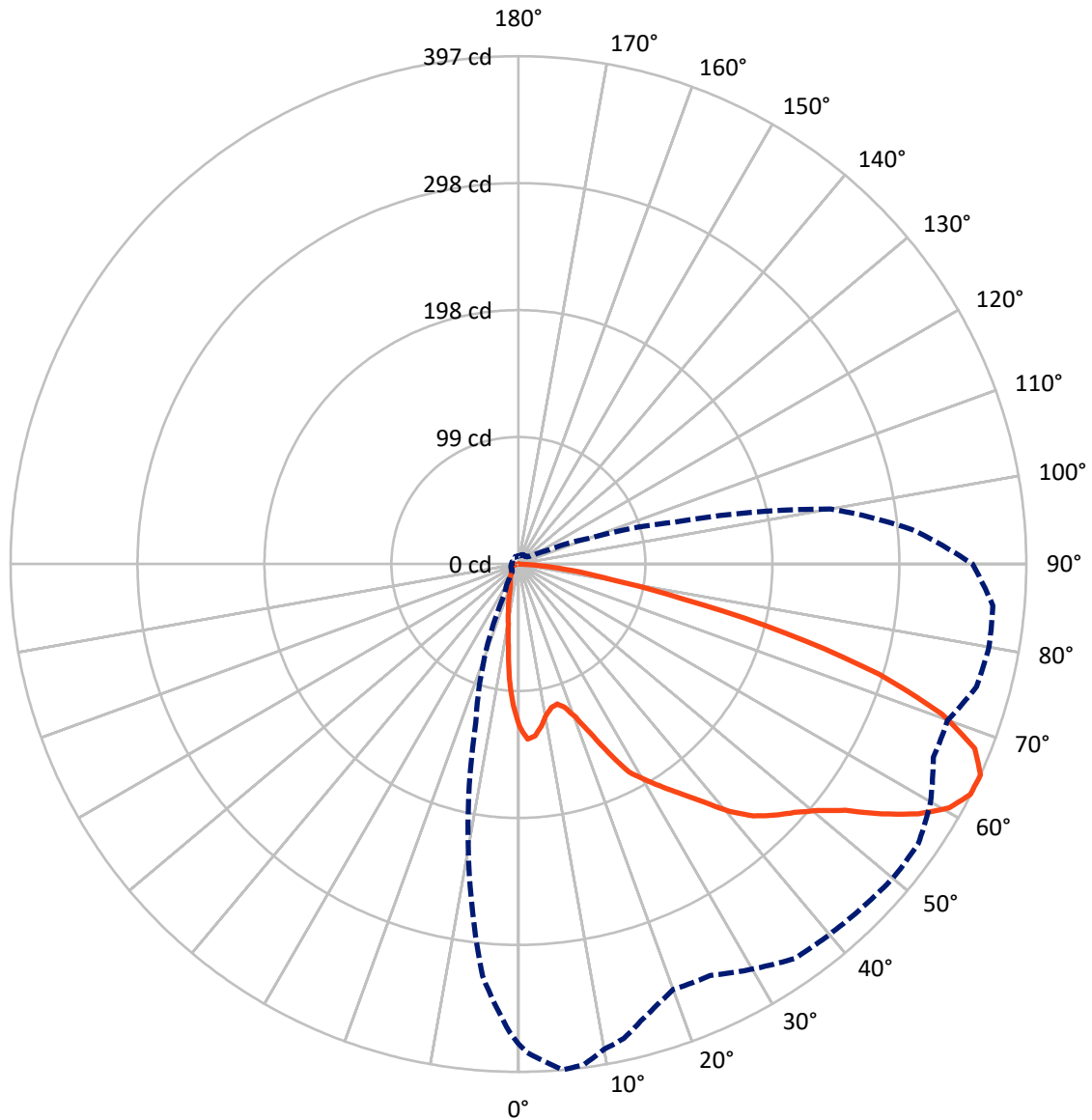
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.7 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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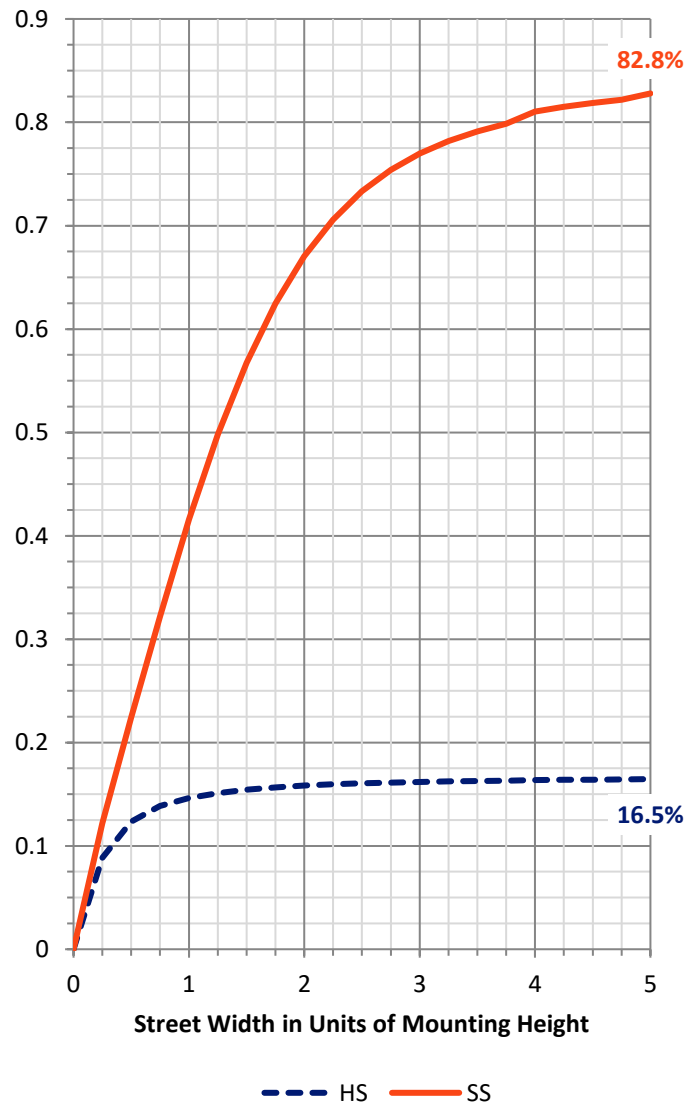
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	76.5	0.0	76.5
	% Fixture	16.6	0.0	16.6
<b>Street Side</b>	Lumens	383.8	0.0	383.8
	% Fixture	83.4	0.0	83.4
<b>Total</b>	Lumens	460.3	0.0	460.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.8	2.1
10°-20°	20.2	4.4
20°-30°	29.3	6.4
30°-40°	43.3	9.4
40°-50°	63.1	13.7
50°-60°	94.7	20.6
60°-70°	118.0	25.6
70°-80°	69.1	15.0
80°-90°	12.9	2.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	460.3	100.0
0°-180°	460.3	100.0



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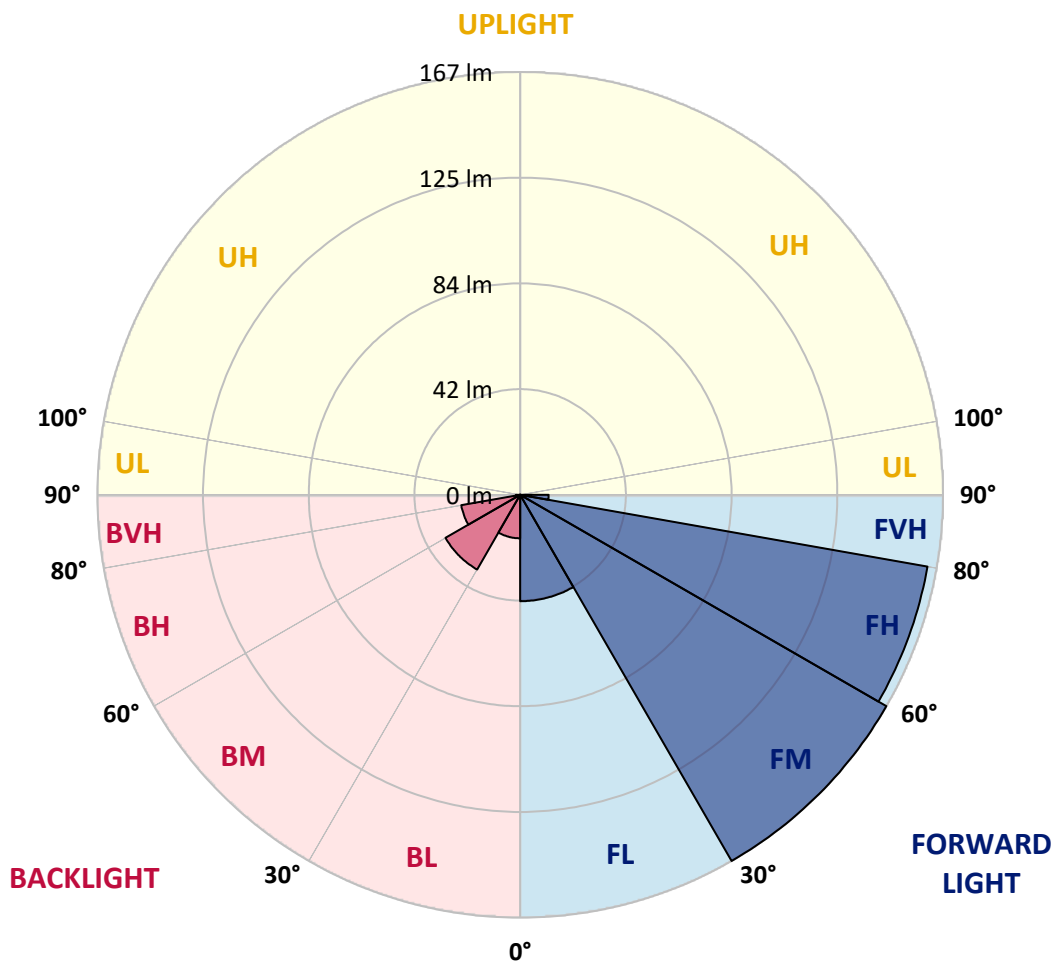
CATALOG NUMBER: ISS-AF-XXX-LED-E1-SLL-7027-XXB

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	42.0	9.1			
FM	(30°-60°)	167.1	36.3			
FH	(60°-80°)	163.4	35.5			G0/660
FVH	(80°-90°)	11.3	2.4			G1/100
BL	(0°-30°)	17.2	3.7	B0/110		
BM	(30°-60°)	34.1	7.4	B0/220		
BH	(60°-80°)	23.6	5.1	B0/110		G0/110
BVH	(80°-90°)	1.7	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	7.5°	10°	12.5°	15°	17.5°	20°	25°	35°
0°	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4
2.5°	135.3	134.8	137.0	137.4	138.9	138.9	140.6	141.9	142.5	143.8	147.1
5°	130.8	131.9	135.0	138.1	140.3	142.5	144.9	147.8	150.2	154.1	162.5
7.5°	121.2	122.8	128.1	131.2	134.7	138.5	141.4	144.9	148.5	155.2	170.2
10°	111.7	113.0	119.7	123.6	128.5	132.5	136.7	140.6	144.4	152.9	170.2
12.5°	105.7	107.3	115.1	118.7	124.2	128.5	133.6	138.1	142.9	151.8	168.6
15°	104.5	106.3	113.5	118.0	123.0	127.0	131.6	136.4	141.0	149.7	164.7
17.5°	107.9	110.1	117.9	123.0	126.8	131.4	134.7	139.2	142.3	149.3	156.3
20°	116.2	118.7	127.9	132.9	135.9	138.9	141.4	144.2	145.4	147.1	145.7
22.5°	129.2	132.3	142.9	148.5	150.7	152.9	153.1	153.4	152.5	148.2	138.2
25°	148.0	151.1	163.1	168.6	168.6	168.6	166.5	165.1	161.0	152.7	136.4
27.5°	165.5	169.5	184.0	187.4	186.3	184.6	180.8	177.1	171.1	157.5	136.1
30°	178.7	182.6	195.9	198.6	195.9	191.9	185.9	180.6	173.6	159.8	137.4
32.5°	190.6	195.3	208.0	208.5	203.6	199.1	192.2	186.3	178.9	164.2	141.2
35°	203.4	208.0	221.1	218.5	211.4	205.3	198.3	193.0	185.5	169.9	147.4
37.5°	221.1	225.3	236.2	230.1	221.1	213.1	205.5	198.6	191.2	177.5	157.8
40°	238.2	244.2	254.2	244.6	233.5	222.7	214.4	207.1	199.1	187.8	171.1
42.5°	254.2	259.9	269.2	256.7	243.8	233.1	224.6	216.7	208.9	199.7	187.2
45°	266.4	272.3	280.1	267.0	252.2	241.1	231.9	224.8	218.0	211.8	207.4
47.5°	278.3	284.1	290.2	275.9	261.4	250.1	239.1	232.8	227.2	223.9	229.2
50°	293.6	297.6	302.7	287.4	271.8	259.0	248.0	243.1	238.1	239.1	256.7
52.5°	314.4	317.8	319.7	304.7	287.4	272.6	260.6	254.0	249.7	256.1	285.9
55°	343.7	348.6	344.6	329.9	308.0	291.2	276.5	268.4	265.9	274.4	315.0
57.5°	369.0	371.2	368.3	353.8	331.4	312.5	296.9	288.4	285.6	296.9	341.7
60°	380.2	382.9	386.9	374.3	353.3	334.8	321.3	313.1	308.2	321.3	363.1
62.5°	382.0	386.5	396.4	390.0	373.4	359.5	347.4	336.1	332.2	342.3	377.1
65°	374.9	381.8	396.9	394.5	385.2	379.9	369.7	361.0	353.8	354.8	376.3
67.5°	358.9	366.9	384.6	383.5	384.6	384.6	375.6	368.3	358.9	345.4	348.6
70°	320.2	330.8	351.1	356.4	365.8	365.8	358.0	346.8	335.9	308.2	291.4
72.5°	256.6	263.7	295.0	320.8	332.6	327.8	320.2	301.7	277.6	247.1	224.4
75°	173.7	177.9	216.3	263.3	284.9	280.8	268.2	245.1	220.4	186.5	157.7
77.5°	96.7	102.2	131.1	167.8	196.8	196.3	194.7	179.9	160.2	132.1	117.2
80°	56.9	58.7	73.8	100.6	125.5	119.6	115.3	103.8	93.6	80.8	92.3
82.5°	34.9	33.0	42.0	61.3	74.2	71.7	64.5	60.2	55.3	51.9	61.4
85°	9.5	8.5	17.2	25.7	31.5	34.0	34.0	33.8	30.3	22.7	27.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	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):**

	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
0°	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4
2.5°	148.3	148.5	148.0	149.3	147.8	147.1	144.9	144.9	143.1	141.7	140.0
5°	165.6	166.7	165.8	166.1	163.1	160.2	155.9	153.3	148.7	143.8	138.7
7.5°	177.3	179.1	178.4	175.3	170.8	164.6	157.2	150.4	142.9	134.8	127.4
10°	180.4	182.4	180.8	175.0	167.4	158.7	149.9	140.7	131.6	123.0	115.1
12.5°	176.1	177.5	174.0	167.6	160.3	151.6	142.5	134.5	123.8	114.6	105.3
15°	164.9	164.0	163.6	159.1	154.0	147.0	138.2	130.2	120.1	110.9	101.0
17.5°	152.9	151.8	152.2	150.4	149.6	146.3	140.0	132.9	124.1	112.7	102.2
20°	142.3	141.2	141.8	142.7	145.4	145.6	144.4	140.0	133.4	121.5	108.7
22.5°	133.2	133.4	135.3	137.8	142.3	148.2	152.7	153.6	149.1	135.3	118.9
25°	130.4	129.5	131.6	135.7	143.4	154.7	164.9	170.0	167.4	153.6	133.8
27.5°	129.5	128.3	130.4	135.9	148.2	164.0	178.7	186.3	187.2	172.9	149.6
30°	129.5	129.1	131.2	138.2	151.3	167.2	183.3	194.8	198.4	186.6	163.5
32.5°	131.2	131.6	135.5	144.4	157.8	174.0	190.8	203.2	209.8	200.8	174.6
35°	134.8	135.6	141.0	151.6	166.1	182.4	197.8	210.3	220.8	216.1	185.1
37.5°	142.7	143.8	150.6	161.2	174.5	189.1	204.2	217.6	232.9	231.0	195.9
40°	156.6	156.6	163.3	172.6	183.3	194.7	209.3	225.3	244.0	246.8	209.3
42.5°	174.0	173.4	177.7	184.4	191.9	201.4	214.7	232.3	254.4	260.4	219.5
45°	198.1	194.4	196.8	198.4	202.1	208.0	219.7	239.1	262.8	270.6	227.2
47.5°	226.4	221.3	219.3	216.1	214.9	217.0	227.2	244.4	270.7	279.4	239.7
50°	257.5	252.6	247.3	238.9	231.7	229.4	235.6	251.4	279.4	290.3	253.3
52.5°	290.0	286.5	279.6	266.4	252.6	244.8	247.7	263.3	293.0	307.3	269.5
55°	319.7	320.8	312.4	297.1	277.1	265.2	268.6	284.3	317.8	334.6	296.7
57.5°	351.6	348.6	342.1	326.3	304.5	291.6	293.0	312.0	345.6	358.2	323.7
60°	372.7	372.7	365.6	353.6	332.9	321.0	323.1	340.5	367.8	369.0	335.7
62.5°	386.3	388.3	382.7	374.1	354.1	344.1	351.6	363.9	378.6	368.1	329.7
65°	379.8	382.0	381.4	372.0	357.7	357.0	370.6	373.4	372.2	354.8	308.8
67.5°	350.1	345.7	345.6	340.5	337.8	352.9	369.9	370.9	349.4	328.8	276.0
70°	293.6	286.1	283.1	284.7	298.0	326.3	350.6	343.7	309.5	291.8	235.1
72.5°	226.4	217.4	215.6	221.3	241.8	281.6	314.9	305.2	254.4	233.8	182.1
75°	160.5	156.8	156.9	168.1	190.4	228.5	267.3	266.4	188.5	161.2	125.3
77.5°	116.8	117.6	120.8	125.2	144.4	181.4	217.7	215.4	134.2	110.9	87.7
80°	96.4	97.5	97.5	95.1	100.0	119.7	148.0	158.0	89.8	74.5	61.3
82.5°	69.3	74.6	77.8	74.0	72.1	78.9	92.7	99.4	56.0	47.0	42.8
85°	33.0	37.7	38.8	37.9	43.6	49.8	53.0	54.3	30.6	21.9	28.0
87.5°	0.0	0.0	0.2	1.4	4.0	7.0	7.0	10.6	1.7	0.6	1.3
90°	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):**

	100°	105°	110°	115°	120°	125°	130°	135°	145°	155°	165°
0°	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4
2.5°	137.8	135.5	133.6	131.4	129.5	127.8	126.5	123.8	121.5	116.6	115.3
5°	134.5	129.4	125.9	122.7	118.5	115.5	112.5	108.7	104.5	97.4	95.1
7.5°	121.5	115.3	110.4	105.7	100.3	95.3	90.8	85.7	78.3	70.7	67.8
10°	107.5	100.8	94.2	88.6	82.0	76.5	72.5	68.9	63.0	57.2	53.4
12.5°	96.1	88.4	80.8	75.3	71.9	69.1	66.1	63.2	57.0	50.5	45.9
15°	90.8	81.8	75.3	70.6	67.5	64.2	60.6	57.4	50.1	42.5	37.0
17.5°	91.4	81.3	72.9	66.6	62.3	57.9	53.8	49.6	41.5	32.5	27.5
20°	95.5	81.8	70.3	62.9	56.9	51.0	45.9	40.6	30.8	23.6	20.2
22.5°	100.6	83.6	68.9	59.2	51.7	44.5	37.9	31.7	22.7	18.5	17.0
25°	109.3	87.9	68.5	56.0	46.8	38.1	31.4	24.8	18.4	16.3	15.5
27.5°	120.2	92.5	68.9	53.6	42.6	33.0	25.5	20.6	16.6	15.5	14.7
30°	131.2	97.5	67.2	49.9	37.7	28.3	21.9	18.8	16.3	15.1	13.8
32.5°	140.9	101.1	64.5	46.2	33.3	24.1	18.5	16.0	14.5	12.9	12.6
35°	147.8	102.8	61.4	43.7	30.5	21.5	16.3	14.5	12.8	11.3	10.6
37.5°	154.4	102.9	58.1	41.5	29.4	20.4	15.1	13.4	11.9	10.6	9.8
40°	161.1	102.2	56.3	39.3	27.7	19.9	14.6	12.4	11.5	10.0	9.3
42.5°	166.1	101.0	55.5	38.1	26.2	18.4	14.2	12.1	10.9	9.8	8.9
45°	170.6	99.7	55.5	37.0	25.2	17.4	13.5	12.4	10.6	9.6	8.5
47.5°	176.1	100.3	55.8	36.1	24.3	16.6	12.8	12.0	10.8	9.5	8.4
50°	185.3	106.4	56.6	35.6	23.5	15.9	12.1	11.5	11.9	9.3	8.3
52.5°	201.4	116.3	58.1	35.1	22.7	15.3	11.5	11.0	12.0	9.3	8.1
55°	222.3	126.3	59.6	34.2	21.6	14.2	11.0	10.4	11.0	9.3	7.8
57.5°	242.7	133.8	60.8	33.0	19.9	13.1	10.6	9.8	10.2	9.2	7.5
60°	254.6	139.6	62.2	30.8	17.7	11.9	10.0	9.3	9.2	9.2	7.3
62.5°	257.8	137.4	61.4	28.0	15.9	10.9	9.5	8.7	8.3	9.3	7.3
65°	247.6	125.9	58.7	25.7	14.6	10.6	8.9	8.4	7.8	8.1	7.0
67.5°	215.6	105.9	51.2	23.5	14.5	10.4	8.5	8.1	7.3	7.1	6.6
70°	175.9	83.1	42.5	21.9	14.2	10.4	8.3	7.5	7.0	6.4	6.0
72.5°	135.3	62.2	35.8	21.1	14.5	10.2	7.6	6.7	6.2	5.7	5.5
75°	95.1	43.8	29.7	19.0	13.5	9.6	7.1	6.0	5.5	5.1	4.7
77.5°	68.9	29.9	22.1	15.3	11.5	8.4	6.2	5.1	4.5	4.4	4.0
80°	43.8	18.4	14.7	11.3	8.4	6.6	4.7	4.0	3.6	3.2	3.1
82.5°	25.3	10.8	8.9	7.6	5.5	4.4	3.4	3.1	2.3	2.2	2.0
85°	15.5	6.7	4.9	4.0	3.4	2.8	2.0	1.9	1.3	1.1	0.9
87.5°	3.4	1.4	1.3	0.9	1.1	0.9	0.6	0.4	0.0	0.0	0.0
90°	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):**

	175°	180°	185°	195°	205°	215°	225°	230°	232.5°	235°	237.5°
0°	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4
2.5°	113.4	110.6	110.9	110.2	108.9	106.4	105.7	104.5	104.7	105.3	104.7
5°	92.5	89.3	89.7	89.5	88.0	86.3	85.1	83.5	82.9	83.5	82.6
7.5°	65.6	63.4	64.2	65.8	65.6	64.7	63.6	61.7	61.4	61.6	60.0
10°	50.1	47.9	47.4	47.3	46.8	46.4	44.8	43.4	42.8	43.0	42.0
12.5°	42.0	40.1	37.9	35.9	34.0	33.3	31.5	30.6	30.5	30.5	29.9
15°	33.1	31.7	30.5	28.5	26.9	25.9	24.6	23.9	23.6	23.9	23.9
17.5°	24.8	24.1	23.5	23.4	22.5	21.9	21.1	20.8	20.6	20.6	20.8
20°	19.0	18.8	18.8	18.8	19.8	20.4	20.6	20.0	19.9	19.8	19.5
22.5°	16.3	16.2	16.3	17.4	17.0	16.3	16.3	16.3	16.3	16.3	16.6
25°	15.1	15.3	15.5	14.9	14.5	14.0	13.8	13.8	13.7	13.7	13.8
27.5°	14.5	14.2	14.0	13.7	13.4	12.8	12.6	12.4	12.4	12.4	12.4
30°	13.5	13.4	13.1	12.8	12.1	11.5	11.3	11.3	11.0	11.3	11.3
32.5°	12.4	12.1	12.0	11.7	11.0	10.8	10.6	10.2	10.2	10.2	10.4
35°	10.0	9.8	9.8	10.0	10.0	9.8	9.8	9.5	9.5	9.5	9.5
37.5°	9.3	9.2	9.2	8.9	9.2	9.3	9.2	8.9	8.9	8.7	8.7
40°	8.7	8.7	8.5	8.4	8.4	8.7	8.5	8.4	8.3	8.3	8.3
42.5°	8.4	8.3	8.3	8.1	8.1	8.1	7.8	7.6	7.5	7.5	7.5
45°	8.1	8.1	7.8	7.6	7.5	7.5	7.1	7.0	7.0	7.0	7.1
47.5°	7.8	7.6	7.6	7.5	7.3	7.0	6.7	6.6	6.6	6.6	6.6
50°	7.6	7.5	7.3	7.3	7.0	6.7	6.6	6.4	6.4	6.4	6.4
52.5°	7.5	7.3	7.1	7.0	6.7	6.6	6.4	6.2	6.2	6.2	6.2
55°	7.1	7.0	7.0	6.7	6.7	6.6	6.4	6.2	6.2	6.2	6.0
57.5°	7.0	6.7	6.6	6.6	6.6	6.4	6.2	6.0	6.0	6.0	6.0
60°	6.7	6.6	6.6	6.4	6.4	6.2	6.2	6.0	5.7	5.7	5.7
62.5°	6.6	6.4	6.4	6.2	6.4	6.2	6.0	5.7	5.7	5.7	5.5
65°	6.4	6.2	6.2	6.2	6.0	6.0	5.7	5.5	5.5	5.5	5.3
67.5°	6.0	5.7	5.7	6.0	5.7	5.7	5.7	5.3	5.3	5.1	5.1
70°	5.5	5.5	5.5	5.7	5.5	5.3	5.3	5.1	4.9	4.7	4.7
72.5°	5.1	4.9	5.1	5.1	5.1	4.9	5.1	4.7	4.5	4.4	4.4
75°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.2	4.0	3.9
77.5°	3.4	3.6	3.6	3.6	3.6	3.9	3.6	3.6	3.6	3.4	3.2
80°	2.5	2.5	2.8	3.0	2.8	3.0	2.8	3.0	2.8	2.8	2.8
82.5°	1.4	1.4	1.7	1.9	1.9	2.0	1.7	1.9	1.9	2.0	1.9
85°	0.6	0.6	0.6	0.6	0.7	0.7	0.6	0.7	0.7	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	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):**

	240°	242.5°	245°	247.5°	250°	252.5°	255°	257.5°	260°	265°	270°
0°	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4
2.5°	106.1	106.1	103.8	104.2	104.7	105.3	105.0	104.8	104.7	105.7	106.3
5°	83.4	83.1	80.4	80.2	80.8	80.8	80.4	79.5	78.9	79.1	79.6
7.5°	60.5	60.0	57.4	57.0	56.9	57.0	56.5	55.5	54.9	55.1	55.5
10°	42.3	40.9	40.4	40.6	41.1	41.3	41.3	41.3	41.5	42.6	43.8
12.5°	30.6	30.0	30.5	30.8	31.5	32.1	32.6	32.8	33.0	34.5	35.6
15°	24.3	24.3	24.6	24.8	25.2	25.5	25.9	25.9	26.1	26.6	27.5
17.5°	21.0	21.0	21.0	21.0	21.0	20.8	20.6	20.2	20.0	19.9	20.0
20°	19.3	19.1	18.8	18.5	18.2	17.9	17.7	17.2	17.0	16.3	16.2
22.5°	16.6	16.3	16.3	16.3	16.3	16.2	16.0	15.9	15.5	14.9	14.6
25°	13.7	13.7	13.7	13.8	13.8	14.0	14.5	14.5	14.5	14.5	13.8
27.5°	12.4	12.4	12.4	12.4	12.6	12.6	12.8	12.8	12.8	12.9	13.1
30°	11.3	11.5	11.5	11.7	11.7	11.9	11.9	12.0	12.0	12.1	12.1
32.5°	10.4	10.4	10.6	10.8	10.8	10.8	11.0	11.0	10.9	11.0	11.0
35°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	8.9	8.7	8.9
37.5°	8.5	8.4	8.4	8.3	8.1	8.1	8.1	8.3	8.1	8.3	8.3
40°	7.8	7.8	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.8	8.1
42.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.5	7.5
45°	7.0	7.0	7.0	7.0	7.1	7.1	7.1	7.1	7.1	7.1	7.3
47.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	7.0	7.1
50°	6.4	6.4	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.7	7.0
52.5°	6.2	6.2	6.2	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.6
55°	6.0	6.2	6.2	6.2	6.2	6.2	6.0	6.0	6.0	6.0	6.2
57.5°	5.7	5.7	6.0	6.0	6.0	5.7	5.7	5.7	5.7	5.7	6.0
60°	5.7	5.7	5.7	5.7	5.7	5.5	5.5	5.5	5.5	5.7	5.7
62.5°	5.5	5.5	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
65°	5.3	5.3	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
67.5°	4.9	4.9	4.9	4.7	4.7	4.7	4.7	4.9	4.7	4.7	4.7
70°	4.5	4.5	4.5	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
72.5°	4.2	4.2	4.2	4.2	4.0	4.0	4.0	4.0	4.0	4.0	4.0
75°	3.9	3.6	3.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
77.5°	3.2	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0
80°	2.8	2.5	2.5	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2
82.5°	2.0	1.9	1.9	1.9	1.9	1.7	1.7	1.7	1.7	1.4	1.3
85°	0.9	0.9	0.7	0.9	0.9	1.1	0.9	0.9	0.9	0.7	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	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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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°	302.5°	
0°	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	0°
2.5°	105.9	107.7	107.9	106.8	109.0	109.3	108.9	108.9	109.1	110.6	110.6	2.5°
5°	78.9	81.3	81.0	79.6	82.6	83.5	82.9	83.1	83.8	85.5	86.3	5°
7.5°	55.8	57.9	57.6	57.4	59.2	60.0	60.4	60.8	63.0	63.2	64.3	7.5°
10°	45.2	47.0	47.6	48.9	49.4	50.5	51.2	52.1	54.0	54.9	56.1	10°
12.5°	36.7	38.8	39.3	40.9	41.5	42.8	43.6	45.4	46.4	47.6	49.1	12.5°
15°	28.3	30.0	30.6	31.7	32.5	33.9	34.7	35.8	37.9	39.0	41.2	15°
17.5°	20.8	21.9	22.3	23.0	23.5	24.1	25.5	27.4	28.7	30.5	31.5	17.5°
20°	16.2	16.6	16.8	17.0	17.2	17.7	18.4	19.8	20.4	21.9	23.0	20°
22.5°	14.6	14.7	14.7	14.9	14.9	15.1	15.5	15.9	16.2	16.8	17.2	22.5°
25°	13.5	13.7	13.7	13.8	13.8	14.0	14.2	14.5	14.7	14.9	15.1	25°
27.5°	12.9	12.9	12.9	12.9	13.1	13.1	13.4	13.7	13.7	14.0	14.2	27.5°
30°	12.4	12.4	12.4	12.6	12.8	13.1	13.5	14.0	14.2	14.6	14.7	30°
32.5°	11.5	11.0	11.5	11.3	10.9	10.9	11.0	11.5	11.5	11.7	11.9	32.5°
35°	8.9	8.9	9.2	9.3	9.3	9.5	9.6	9.8	10.0	10.4	10.6	35°
37.5°	8.4	8.5	8.5	8.7	8.9	8.9	9.2	9.5	9.6	9.8	10.0	37.5°
40°	8.1	8.3	8.4	8.5	8.5	8.7	8.9	9.2	9.3	9.6	9.8	40°
42.5°	7.6	8.1	8.1	8.3	8.4	8.5	8.7	8.9	9.3	9.5	9.6	42.5°
45°	7.5	7.6	7.8	8.1	8.3	8.4	8.5	8.9	9.2	9.5	9.6	45°
47.5°	7.3	7.5	7.6	7.8	8.1	8.3	8.4	8.7	9.2	9.5	9.8	47.5°
50°	7.0	7.3	7.5	7.6	7.8	8.1	8.4	8.7	9.2	9.6	10.6	50°
52.5°	6.7	7.1	7.1	7.5	7.6	8.1	8.4	8.7	9.3	10.0	10.9	52.5°
55°	6.4	6.7	6.7	7.1	7.5	7.8	8.1	8.5	9.2	9.8	10.0	55°
57.5°	6.0	6.4	6.6	6.7	7.1	7.5	7.6	8.3	8.9	9.2	8.9	57.5°
60°	5.7	6.0	6.2	6.4	6.7	7.0	7.5	8.5	9.3	8.5	7.6	60°
62.5°	5.5	5.7	6.0	6.2	6.6	6.7	7.1	7.8	8.1	7.1	7.0	62.5°
65°	5.3	5.7	5.7	6.0	6.2	6.2	6.4	6.4	6.4	6.4	6.4	65°
67.5°	4.9	5.3	5.3	5.5	5.7	5.7	5.7	5.7	5.7	5.7	5.7	67.5°
70°	4.5	4.7	4.9	5.1	5.1	5.1	5.3	5.3	5.3	5.5	5.5	70°
72.5°	4.2	4.4	4.4	4.5	4.5	4.7	4.7	4.9	4.9	4.9	5.1	72.5°
75°	3.4	3.6	3.9	4.0	4.0	4.2	4.2	4.2	4.2	4.4	4.4	75°
77.5°	3.0	3.0	3.2	3.2	3.4	3.4	3.6	3.6	3.6	3.6	3.6	77.5°
80°	2.2	2.2	2.3	2.5	2.8	2.8	2.8	2.8	2.8	2.8	2.8	80°
82.5°	1.3	1.3	1.4	1.4	1.7	1.7	1.9	1.7	1.7	1.4	1.4	82.5°
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.0	0.0	85°
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



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REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	335°	345°		355°
127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	0°	127.4
113.4	113.4	113.7	115.3	115.5	116.4	116.3	117.9	118.7	123.0	127.6	2.5°	131.9
89.7	90.4	91.4	93.3	94.4	96.4	96.1	99.4	99.9	107.9	115.7	5°	124.9
66.8	68.0	68.9	70.9	72.5	74.5	75.1	78.9	79.9	90.5	101.5	7.5°	114.1
57.9	58.9	60.2	61.4	63.0	64.0	65.5	67.2	68.5	76.4	88.9	10°	103.3
51.6	52.8	54.1	56.0	57.6	59.2	60.6	62.5	64.2	70.6	80.4	12.5°	96.9
43.7	45.2	46.6	48.7	51.0	52.7	54.3	56.3	58.3	66.1	77.6	15°	94.4
33.9	35.6	37.5	40.2	42.8	44.8	46.4	49.1	51.7	61.3	76.4	17.5°	96.9
25.0	26.4	28.3	30.6	32.5	35.9	37.7	41.1	44.1	56.0	74.5	20°	101.9
18.4	19.3	20.8	22.5	24.6	27.7	29.7	32.6	36.1	51.0	74.5	22.5°	110.2
15.5	15.9	16.3	17.4	18.8	21.0	23.0	25.9	29.4	46.6	76.5	25°	124.0
14.5	14.6	14.9	15.5	16.2	17.2	18.8	21.1	24.6	43.2	79.5	27.5°	138.5
15.1	15.1	15.1	15.3	15.7	16.2	17.0	18.4	20.6	38.1	81.5	30°	151.3
12.1	12.4	12.4	12.8	12.9	13.7	14.5	15.5	17.4	35.0	82.7	32.5°	160.3
10.9	11.0	11.3	11.5	11.9	12.0	12.8	14.0	16.0	33.0	82.6	35°	171.1
10.4	10.6	10.8	10.8	10.9	11.3	11.9	13.1	15.5	32.2	82.6	37.5°	183.5
10.2	10.2	10.2	10.2	10.6	10.9	11.9	13.1	15.1	31.5	83.1	40°	197.2
9.8	9.8	9.8	10.0	10.6	11.3	11.7	12.4	14.0	31.2	84.0	42.5°	209.6
9.8	9.8	10.0	10.8	10.9	10.9	11.0	11.7	13.4	31.2	85.9	45°	219.3
10.2	10.6	10.8	10.6	10.4	10.4	10.4	11.0	12.8	31.7	89.3	47.5°	230.3
11.0	10.9	10.2	10.0	10.0	9.6	9.8	10.6	12.6	31.7	96.4	50°	245.7
10.9	10.2	10.0	9.6	9.3	9.2	9.3	10.4	12.4	31.4	106.6	52.5°	268.1
9.8	9.6	9.2	8.7	8.5	8.7	9.2	10.0	12.0	31.0	119.1	55°	295.3
8.5	8.4	8.1	8.1	8.3	8.4	8.9	9.6	11.0	30.0	129.2	57.5°	320.2
7.5	7.5	7.5	7.6	7.8	8.1	8.5	9.2	10.2	28.5	135.9	60°	336.2
6.7	7.0	7.0	7.3	7.5	7.6	8.1	8.5	9.3	26.6	137.4	62.5°	336.4
6.4	6.6	6.7	6.7	7.0	7.1	7.6	8.3	9.3	25.2	128.5	65°	323.1
6.0	6.0	6.2	6.4	6.6	6.7	7.1	8.1	9.5	23.9	109.0	67.5°	289.4
5.5	5.7	5.7	6.0	6.0	6.2	6.7	8.1	9.6	23.4	86.6	70°	244.4
5.1	5.1	5.3	5.5	5.5	5.7	6.4	7.8	9.8	22.4	65.3	72.5°	190.6
4.4	4.5	4.5	4.5	4.7	5.1	5.7	7.1	8.5	18.5	44.1	75°	129.2
3.9	3.6	3.9	3.9	4.0	4.2	4.7	5.5	6.4	11.9	23.4	77.5°	82.1
2.8	2.5	2.5	2.8	2.8	2.8	3.1	3.2	3.6	7.3	12.9	80°	48.5
1.4	1.3	1.4	1.3	1.3	1.4	1.4	1.9	1.9	3.4	5.7	82.5°	30.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.3	85°	12.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.5°	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°	0.0

'271555

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**TION (continued):**

359°	360°
127.4	127.4
134.2	135.3
129.4	130.8
119.1	121.2
109.8	111.7
104.7	105.7
102.2	104.5
105.7	107.9
112.6	116.2
124.9	129.2
144.2	148.0
159.4	165.5
173.7	178.7
185.1	190.6
197.9	203.4
213.5	221.1
229.8	238.2
245.0	254.2
259.1	266.4
270.1	278.3
284.0	293.6
307.4	314.4
335.9	343.7
362.3	369.0
374.5	380.2
374.9	382.0
366.9	374.9
346.5	358.9
306.3	320.2
240.7	256.6
159.8	173.7
92.3	96.7
54.4	56.9
32.5	34.9
8.7	9.5
0.0	0.0
0.0	0.0

(END OF REPORT)