

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: P271556

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271556
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-SLR-7027-XXB
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE, EMERGENCY MODE WITH BATTERY BACKPACK BOX LIGHT SQUARE WITH ACCUELED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT
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

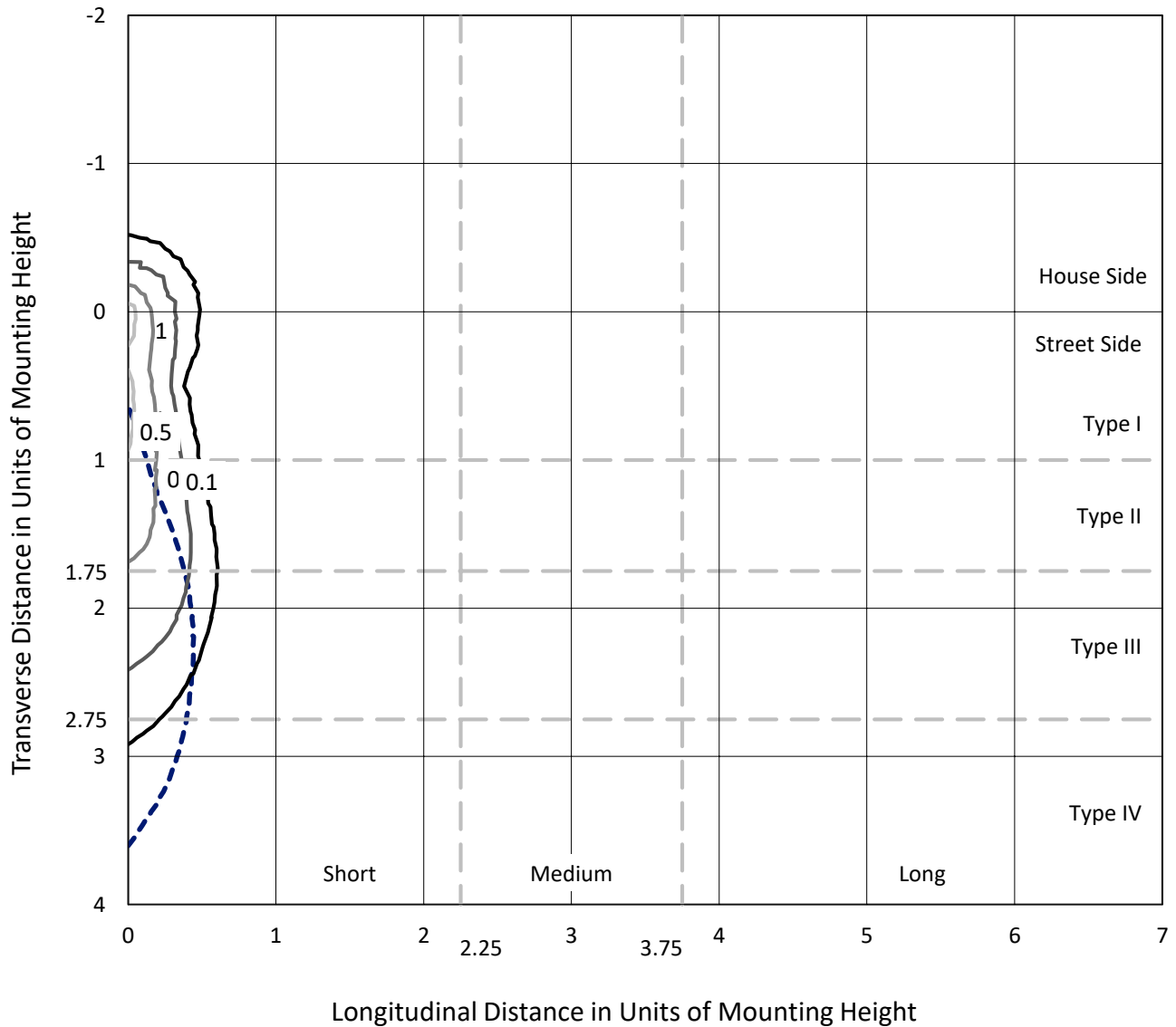


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

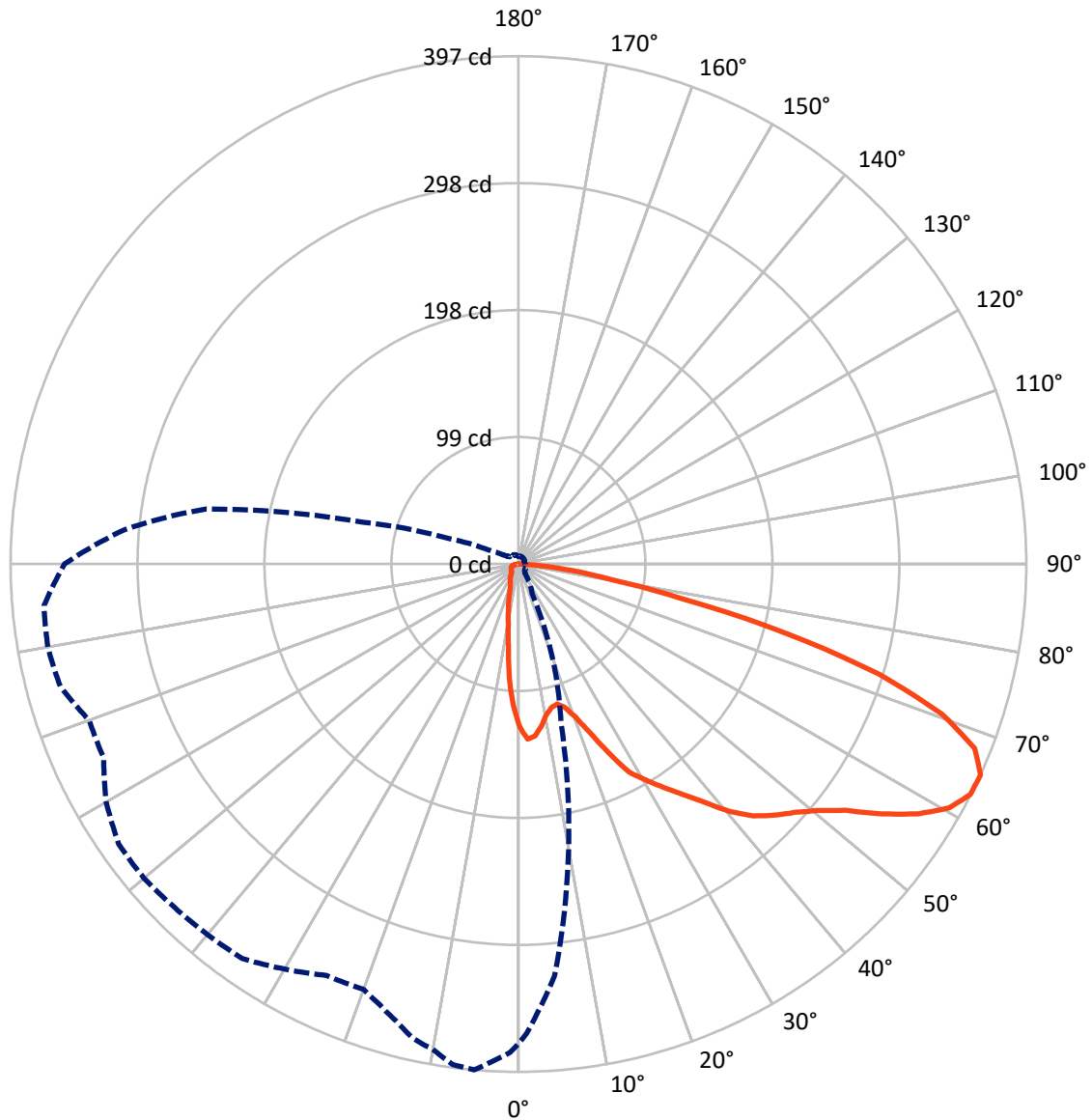


Based on 10 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 355-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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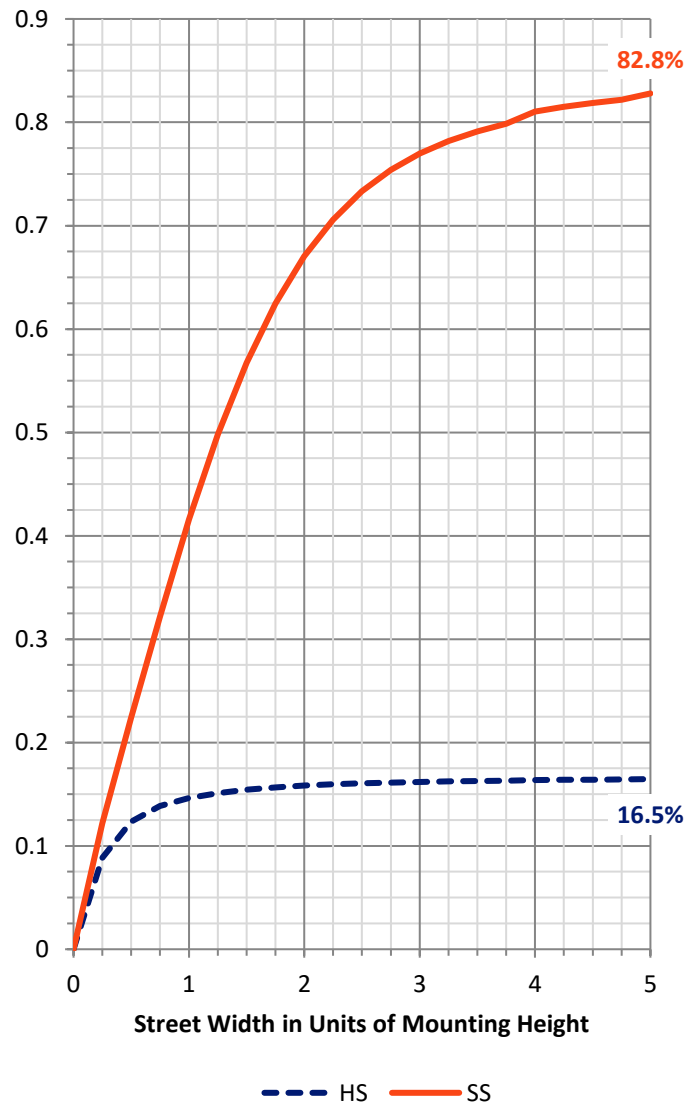
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	76.5	0.0	76.5
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	383.8	0.0	383.8
	% Fixture	83.4	0.0	83.4
Total	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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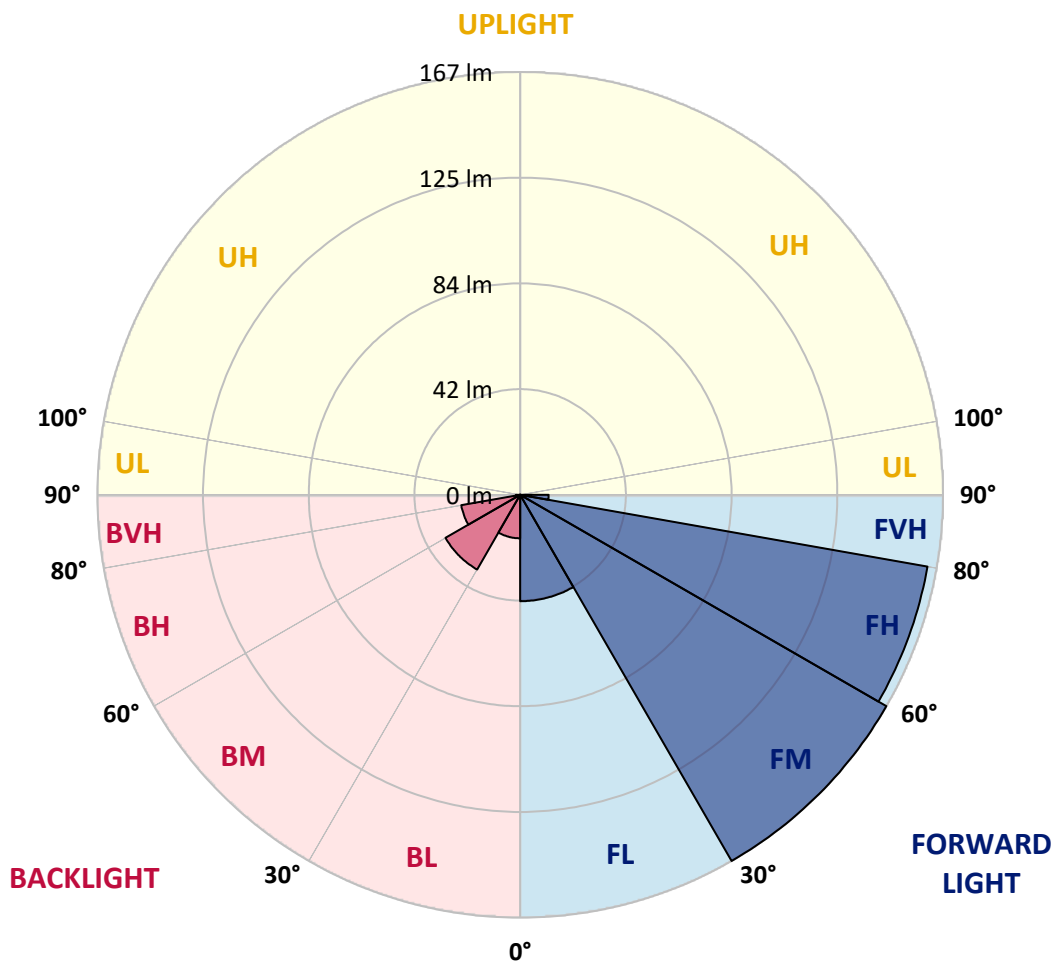
CATALOG NUMBER: ISS-AF-XXX-LED-E1-SLR-7027-XXB

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°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°
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°	135.3	134.2	131.9	127.6	123.0	118.7	117.9	116.3	116.4	115.5	115.3
5°	130.8	129.4	124.9	115.7	107.9	99.9	99.4	96.1	96.4	94.4	93.3
7.5°	121.2	119.1	114.1	101.5	90.5	79.9	78.9	75.1	74.5	72.5	70.9
10°	111.7	109.8	103.3	88.9	76.4	68.5	67.2	65.5	64.0	63.0	61.4
12.5°	105.7	104.7	96.9	80.4	70.6	64.2	62.5	60.6	59.2	57.6	56.0
15°	104.5	102.2	94.4	77.6	66.1	58.3	56.3	54.3	52.7	51.0	48.7
17.5°	107.9	105.7	96.9	76.4	61.3	51.7	49.1	46.4	44.8	42.8	40.2
20°	116.2	112.6	101.9	74.5	56.0	44.1	41.1	37.7	35.9	32.5	30.6
22.5°	129.2	124.9	110.2	74.5	51.0	36.1	32.6	29.7	27.7	24.6	22.5
25°	148.0	144.2	124.0	76.5	46.6	29.4	25.9	23.0	21.0	18.8	17.4
27.5°	165.5	159.4	138.5	79.5	43.2	24.6	21.1	18.8	17.2	16.2	15.5
30°	178.7	173.7	151.3	81.5	38.1	20.6	18.4	17.0	16.2	15.7	15.3
32.5°	190.6	185.1	160.3	82.7	35.0	17.4	15.5	14.5	13.7	12.9	12.8
35°	203.4	197.9	171.1	82.6	33.0	16.0	14.0	12.8	12.0	11.9	11.5
37.5°	221.1	213.5	183.5	82.6	32.2	15.5	13.1	11.9	11.3	10.9	10.8
40°	238.2	229.8	197.2	83.1	31.5	15.1	13.1	11.9	10.9	10.6	10.2
42.5°	254.2	245.0	209.6	84.0	31.2	14.0	12.4	11.7	11.3	10.6	10.0
45°	266.4	259.1	219.3	85.9	31.2	13.4	11.7	11.0	10.9	10.9	10.8
47.5°	278.3	270.1	230.3	89.3	31.7	12.8	11.0	10.4	10.4	10.4	10.6
50°	293.6	284.0	245.7	96.4	31.7	12.6	10.6	9.8	9.6	10.0	10.0
52.5°	314.4	307.4	268.1	106.6	31.4	12.4	10.4	9.3	9.2	9.3	9.6
55°	343.7	335.9	295.3	119.1	31.0	12.0	10.0	9.2	8.7	8.5	8.7
57.5°	369.0	362.3	320.2	129.2	30.0	11.0	9.6	8.9	8.4	8.3	8.1
60°	380.2	374.5	336.2	135.9	28.5	10.2	9.2	8.5	8.1	7.8	7.6
62.5°	382.0	374.9	336.4	137.4	26.6	9.3	8.5	8.1	7.6	7.5	7.3
65°	374.9	366.9	323.1	128.5	25.2	9.3	8.3	7.6	7.1	7.0	6.7
67.5°	358.9	346.5	289.4	109.0	23.9	9.5	8.1	7.1	6.7	6.6	6.4
70°	320.2	306.3	244.4	86.6	23.4	9.6	8.1	6.7	6.2	6.0	6.0
72.5°	256.6	240.7	190.6	65.3	22.4	9.8	7.8	6.4	5.7	5.5	5.5
75°	173.7	159.8	129.2	44.1	18.5	8.5	7.1	5.7	5.1	4.7	4.5
77.5°	96.7	92.3	82.1	23.4	11.9	6.4	5.5	4.7	4.2	4.0	3.9
80°	56.9	54.4	48.5	12.9	7.3	3.6	3.2	3.1	2.8	2.8	2.8
82.5°	34.9	32.5	30.0	5.7	3.4	1.9	1.9	1.4	1.4	1.3	1.3
85°	9.5	8.7	12.1	1.3	0.4	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
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):

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
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°	113.7	113.4	113.4	110.6	110.6	109.1	108.9	108.9	109.3	109.0	106.8
5°	91.4	90.4	89.7	86.3	85.5	83.8	83.1	82.9	83.5	82.6	79.6
7.5°	68.9	68.0	66.8	64.3	63.2	63.0	60.8	60.4	60.0	59.2	57.4
10°	60.2	58.9	57.9	56.1	54.9	54.0	52.1	51.2	50.5	49.4	48.9
12.5°	54.1	52.8	51.6	49.1	47.6	46.4	45.4	43.6	42.8	41.5	40.9
15°	46.6	45.2	43.7	41.2	39.0	37.9	35.8	34.7	33.9	32.5	31.7
17.5°	37.5	35.6	33.9	31.5	30.5	28.7	27.4	25.5	24.1	23.5	23.0
20°	28.3	26.4	25.0	23.0	21.9	20.4	19.8	18.4	17.7	17.2	17.0
22.5°	20.8	19.3	18.4	17.2	16.8	16.2	15.9	15.5	15.1	14.9	14.9
25°	16.3	15.9	15.5	15.1	14.9	14.7	14.5	14.2	14.0	13.8	13.8
27.5°	14.9	14.6	14.5	14.2	14.0	13.7	13.7	13.4	13.1	13.1	12.9
30°	15.1	15.1	15.1	14.7	14.6	14.2	14.0	13.5	13.1	12.8	12.6
32.5°	12.4	12.4	12.1	11.9	11.7	11.5	11.5	11.0	10.9	10.9	11.3
35°	11.3	11.0	10.9	10.6	10.4	10.0	9.8	9.6	9.5	9.3	9.3
37.5°	10.8	10.6	10.4	10.0	9.8	9.6	9.5	9.2	8.9	8.9	8.7
40°	10.2	10.2	10.2	9.8	9.6	9.3	9.2	8.9	8.7	8.5	8.5
42.5°	9.8	9.8	9.8	9.6	9.5	9.3	8.9	8.7	8.5	8.4	8.3
45°	10.0	9.8	9.8	9.6	9.5	9.2	8.9	8.5	8.4	8.3	8.1
47.5°	10.8	10.6	10.2	9.8	9.5	9.2	8.7	8.4	8.3	8.1	7.8
50°	10.2	10.9	11.0	10.6	9.6	9.2	8.7	8.4	8.1	7.8	7.6
52.5°	10.0	10.2	10.9	10.9	10.0	9.3	8.7	8.4	8.1	7.6	7.5
55°	9.2	9.6	9.8	10.0	9.8	9.2	8.5	8.1	7.8	7.5	7.1
57.5°	8.1	8.4	8.5	8.9	9.2	8.9	8.3	7.6	7.5	7.1	6.7
60°	7.5	7.5	7.5	7.6	8.5	9.3	8.5	7.5	7.0	6.7	6.4
62.5°	7.0	7.0	6.7	7.0	7.1	8.1	7.8	7.1	6.7	6.6	6.2
65°	6.7	6.6	6.4	6.4	6.4	6.4	6.4	6.4	6.2	6.2	6.0
67.5°	6.2	6.0	6.0	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.5
70°	5.7	5.7	5.5	5.5	5.5	5.3	5.3	5.3	5.1	5.1	5.1
72.5°	5.3	5.1	5.1	5.1	4.9	4.9	4.9	4.7	4.7	4.5	4.5
75°	4.5	4.5	4.4	4.4	4.4	4.2	4.2	4.2	4.2	4.0	4.0
77.5°	3.9	3.6	3.9	3.6	3.6	3.6	3.6	3.6	3.4	3.4	3.2
80°	2.5	2.5	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.5
82.5°	1.4	1.3	1.4	1.4	1.4	1.7	1.7	1.9	1.7	1.7	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.4	0.4	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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CANDELA DISTRIBUTION (continued):

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
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°	107.9	107.7	105.9	106.3	105.7	104.7	104.8	105.0	105.3	104.7	104.2
5°	81.0	81.3	78.9	79.6	79.1	78.9	79.5	80.4	80.8	80.8	80.2
7.5°	57.6	57.9	55.8	55.5	55.1	54.9	55.5	56.5	57.0	56.9	57.0
10°	47.6	47.0	45.2	43.8	42.6	41.5	41.3	41.3	41.3	41.1	40.6
12.5°	39.3	38.8	36.7	35.6	34.5	33.0	32.8	32.6	32.1	31.5	30.8
15°	30.6	30.0	28.3	27.5	26.6	26.1	25.9	25.9	25.5	25.2	24.8
17.5°	22.3	21.9	20.8	20.0	19.9	20.0	20.2	20.6	20.8	21.0	21.0
20°	16.8	16.6	16.2	16.2	16.3	17.0	17.2	17.7	17.9	18.2	18.5
22.5°	14.7	14.7	14.6	14.6	14.9	15.5	15.9	16.0	16.2	16.3	16.3
25°	13.7	13.7	13.5	13.8	14.5	14.5	14.5	14.5	14.0	13.8	13.8
27.5°	12.9	12.9	12.9	13.1	12.9	12.8	12.8	12.8	12.6	12.6	12.4
30°	12.4	12.4	12.4	12.1	12.1	12.0	12.0	11.9	11.9	11.7	11.7
32.5°	11.5	11.0	11.5	11.0	11.0	10.9	11.0	11.0	10.8	10.8	10.8
35°	9.2	8.9	8.9	8.9	8.7	8.9	9.3	9.3	9.3	9.3	9.3
37.5°	8.5	8.5	8.4	8.3	8.3	8.1	8.3	8.1	8.1	8.1	8.3
40°	8.4	8.3	8.1	8.1	7.8	7.6	7.6	7.6	7.6	7.6	7.6
42.5°	8.1	8.1	7.6	7.5	7.5	7.3	7.3	7.3	7.3	7.3	7.3
45°	7.8	7.6	7.5	7.3	7.1	7.1	7.1	7.1	7.1	7.1	7.0
47.5°	7.6	7.5	7.3	7.1	7.0	6.7	6.7	6.7	6.7	6.7	6.7
50°	7.5	7.3	7.0	7.0	6.7	6.6	6.6	6.6	6.6	6.6	6.6
52.5°	7.1	7.1	6.7	6.6	6.4	6.4	6.4	6.4	6.4	6.4	6.4
55°	6.7	6.7	6.4	6.2	6.0	6.0	6.0	6.0	6.2	6.2	6.2
57.5°	6.6	6.4	6.0	6.0	5.7	5.7	5.7	5.7	5.7	6.0	6.0
60°	6.2	6.0	5.7	5.7	5.7	5.5	5.5	5.5	5.5	5.7	5.7
62.5°	6.0	5.7	5.5	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
65°	5.7	5.7	5.3	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
67.5°	5.3	5.3	4.9	4.7	4.7	4.7	4.9	4.7	4.7	4.7	4.7
70°	4.9	4.7	4.5	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
72.5°	4.4	4.4	4.2	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.2
75°	3.9	3.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
77.5°	3.2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1
80°	2.3	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3
82.5°	1.4	1.3	1.3	1.3	1.4	1.7	1.7	1.7	1.7	1.9	1.9
85°	0.4	0.4	0.4	0.4	0.7	0.9	0.9	0.9	1.1	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):

	115°	117.5°	120°	122.5°	125°	127.5°	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°	103.8	106.1	106.1	104.7	105.3	104.7	104.5	105.7	106.4	108.9	110.2
5°	80.4	83.1	83.4	82.6	83.5	82.9	83.5	85.1	86.3	88.0	89.5
7.5°	57.4	60.0	60.5	60.0	61.6	61.4	61.7	63.6	64.7	65.6	65.8
10°	40.4	40.9	42.3	42.0	43.0	42.8	43.4	44.8	46.4	46.8	47.3
12.5°	30.5	30.0	30.6	29.9	30.5	30.5	30.6	31.5	33.3	34.0	35.9
15°	24.6	24.3	24.3	23.9	23.9	23.6	23.9	24.6	25.9	26.9	28.5
17.5°	21.0	21.0	21.0	20.8	20.6	20.6	20.8	21.1	21.9	22.5	23.4
20°	18.8	19.1	19.3	19.5	19.8	19.9	20.0	20.6	20.4	19.8	18.8
22.5°	16.3	16.3	16.6	16.6	16.3	16.3	16.3	16.3	16.3	17.0	17.4
25°	13.7	13.7	13.7	13.8	13.7	13.7	13.8	13.8	14.0	14.5	14.9
27.5°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.6	12.8	13.4	13.7
30°	11.5	11.5	11.3	11.3	11.3	11.0	11.3	11.3	11.5	12.1	12.8
32.5°	10.6	10.4	10.4	10.4	10.2	10.2	10.2	10.6	10.8	11.0	11.7
35°	9.3	9.3	9.3	9.5	9.5	9.5	9.5	9.8	9.8	10.0	10.0
37.5°	8.4	8.4	8.5	8.7	8.7	8.9	8.9	9.2	9.3	9.2	8.9
40°	7.6	7.8	7.8	8.3	8.3	8.3	8.4	8.5	8.7	8.4	8.4
42.5°	7.3	7.3	7.3	7.5	7.5	7.5	7.6	7.8	8.1	8.1	8.1
45°	7.0	7.0	7.0	7.1	7.0	7.0	7.0	7.1	7.5	7.5	7.6
47.5°	6.7	6.7	6.7	6.6	6.6	6.6	6.6	6.7	7.0	7.3	7.5
50°	6.6	6.4	6.4	6.4	6.4	6.4	6.4	6.6	6.7	7.0	7.3
52.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.4	6.6	6.7	7.0
55°	6.2	6.2	6.0	6.0	6.2	6.2	6.2	6.4	6.6	6.7	6.7
57.5°	6.0	5.7	5.7	6.0	6.0	6.0	6.0	6.2	6.4	6.6	6.6
60°	5.7	5.7	5.7	5.7	5.7	5.7	6.0	6.2	6.2	6.4	6.4
62.5°	5.3	5.5	5.5	5.5	5.7	5.7	5.7	6.0	6.2	6.4	6.2
65°	5.1	5.3	5.3	5.3	5.5	5.5	5.5	5.7	6.0	6.0	6.2
67.5°	4.9	4.9	4.9	5.1	5.1	5.3	5.3	5.7	5.7	5.7	6.0
70°	4.5	4.5	4.5	4.7	4.7	4.9	5.1	5.3	5.3	5.5	5.7
72.5°	4.2	4.2	4.2	4.4	4.4	4.5	4.7	5.1	4.9	5.1	5.1
75°	3.6	3.6	3.9	3.9	4.0	4.2	4.4	4.4	4.4	4.4	4.4
77.5°	3.1	3.1	3.2	3.2	3.4	3.6	3.6	3.6	3.9	3.6	3.6
80°	2.5	2.5	2.8	2.8	2.8	2.8	3.0	2.8	3.0	2.8	3.0
82.5°	1.9	1.9	2.0	1.9	2.0	1.9	1.9	1.7	2.0	1.9	1.9
85°	0.7	0.9	0.9	0.9	0.9	0.7	0.7	0.6	0.7	0.7	0.6
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):

	175°	180°	185°	195°	205°	215°	225°	230°	235°	240°	245°
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°	110.9	110.6	113.4	115.3	116.6	121.5	123.8	126.5	127.8	129.5	131.4
5°	89.7	89.3	92.5	95.1	97.4	104.5	108.7	112.5	115.5	118.5	122.7
7.5°	64.2	63.4	65.6	67.8	70.7	78.3	85.7	90.8	95.3	100.3	105.7
10°	47.4	47.9	50.1	53.4	57.2	63.0	68.9	72.5	76.5	82.0	88.6
12.5°	37.9	40.1	42.0	45.9	50.5	57.0	63.2	66.1	69.1	71.9	75.3
15°	30.5	31.7	33.1	37.0	42.5	50.1	57.4	60.6	64.2	67.5	70.6
17.5°	23.5	24.1	24.8	27.5	32.5	41.5	49.6	53.8	57.9	62.3	66.6
20°	18.8	18.8	19.0	20.2	23.6	30.8	40.6	45.9	51.0	56.9	62.9
22.5°	16.3	16.2	16.3	17.0	18.5	22.7	31.7	37.9	44.5	51.7	59.2
25°	15.5	15.3	15.1	15.5	16.3	18.4	24.8	31.4	38.1	46.8	56.0
27.5°	14.0	14.2	14.5	14.7	15.5	16.6	20.6	25.5	33.0	42.6	53.6
30°	13.1	13.4	13.5	13.8	15.1	16.3	18.8	21.9	28.3	37.7	49.9
32.5°	12.0	12.1	12.4	12.6	12.9	14.5	16.0	18.5	24.1	33.3	46.2
35°	9.8	9.8	10.0	10.6	11.3	12.8	14.5	16.3	21.5	30.5	43.7
37.5°	9.2	9.2	9.3	9.8	10.6	11.9	13.4	15.1	20.4	29.4	41.5
40°	8.5	8.7	8.7	9.3	10.0	11.5	12.4	14.6	19.9	27.7	39.3
42.5°	8.3	8.3	8.4	8.9	9.8	10.9	12.1	14.2	18.4	26.2	38.1
45°	7.8	8.1	8.1	8.5	9.6	10.6	12.4	13.5	17.4	25.2	37.0
47.5°	7.6	7.6	7.8	8.4	9.5	10.8	12.0	12.8	16.6	24.3	36.1
50°	7.3	7.5	7.6	8.3	9.3	11.9	11.5	12.1	15.9	23.5	35.6
52.5°	7.1	7.3	7.5	8.1	9.3	12.0	11.0	11.5	15.3	22.7	35.1
55°	7.0	7.0	7.1	7.8	9.3	11.0	10.4	11.0	14.2	21.6	34.2
57.5°	6.6	6.7	7.0	7.5	9.2	10.2	9.8	10.6	13.1	19.9	33.0
60°	6.6	6.6	6.7	7.3	9.2	9.2	9.3	10.0	11.9	17.7	30.8
62.5°	6.4	6.4	6.6	7.3	9.3	8.3	8.7	9.5	10.9	15.9	28.0
65°	6.2	6.2	6.4	7.0	8.1	7.8	8.4	8.9	10.6	14.6	25.7
67.5°	5.7	5.7	6.0	6.6	7.1	7.3	8.1	8.5	10.4	14.5	23.5
70°	5.5	5.5	5.5	6.0	6.4	7.0	7.5	8.3	10.4	14.2	21.9
72.5°	5.1	4.9	5.1	5.5	5.7	6.2	6.7	7.6	10.2	14.5	21.1
75°	4.4	4.4	4.4	4.7	5.1	5.5	6.0	7.1	9.6	13.5	19.0
77.5°	3.6	3.6	3.4	4.0	4.4	4.5	5.1	6.2	8.4	11.5	15.3
80°	2.8	2.5	2.5	3.1	3.2	3.6	4.0	4.7	6.6	8.4	11.3
82.5°	1.7	1.4	1.4	2.0	2.2	2.3	3.1	3.4	4.4	5.5	7.6
85°	0.6	0.6	0.6	0.9	1.1	1.3	1.9	2.0	2.8	3.4	4.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.6	0.9	1.1	0.9
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

	250°	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	
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°	133.6	135.5	137.8	140.0	141.7	143.1	144.9	144.9	147.1	147.8	149.3	2.5°
5°	125.9	129.4	134.5	138.7	143.8	148.7	153.3	155.9	160.2	163.1	166.1	5°
7.5°	110.4	115.3	121.5	127.4	134.8	142.9	150.4	157.2	164.6	170.8	175.3	7.5°
10°	94.2	100.8	107.5	115.1	123.0	131.6	140.7	149.9	158.7	167.4	175.0	10°
12.5°	80.8	88.4	96.1	105.3	114.6	123.8	134.5	142.5	151.6	160.3	167.6	12.5°
15°	75.3	81.8	90.8	101.0	110.9	120.1	130.2	138.2	147.0	154.0	159.1	15°
17.5°	72.9	81.3	91.4	102.2	112.7	124.1	132.9	140.0	146.3	149.6	150.4	17.5°
20°	70.3	81.8	95.5	108.7	121.5	133.4	140.0	144.4	145.6	145.4	142.7	20°
22.5°	68.9	83.6	100.6	118.9	135.3	149.1	153.6	152.7	148.2	142.3	137.8	22.5°
25°	68.5	87.9	109.3	133.8	153.6	167.4	170.0	164.9	154.7	143.4	135.7	25°
27.5°	68.9	92.5	120.2	149.6	172.9	187.2	186.3	178.7	164.0	148.2	135.9	27.5°
30°	67.2	97.5	131.2	163.5	186.6	198.4	194.8	183.3	167.2	151.3	138.2	30°
32.5°	64.5	101.1	140.9	174.6	200.8	209.8	203.2	190.8	174.0	157.8	144.4	32.5°
35°	61.4	102.8	147.8	185.1	216.1	220.8	210.3	197.8	182.4	166.1	151.6	35°
37.5°	58.1	102.9	154.4	195.9	231.0	232.9	217.6	204.2	189.1	174.5	161.2	37.5°
40°	56.3	102.2	161.1	209.3	246.8	244.0	225.3	209.3	194.7	183.3	172.6	40°
42.5°	55.5	101.0	166.1	219.5	260.4	254.4	232.3	214.7	201.4	191.9	184.4	42.5°
45°	55.5	99.7	170.6	227.2	270.6	262.8	239.1	219.7	208.0	202.1	198.4	45°
47.5°	55.8	100.3	176.1	239.7	279.4	270.7	244.4	227.2	217.0	214.9	216.1	47.5°
50°	56.6	106.4	185.3	253.3	290.3	279.4	251.4	235.6	229.4	231.7	238.9	50°
52.5°	58.1	116.3	201.4	269.5	307.3	293.0	263.3	247.7	244.8	252.6	266.4	52.5°
55°	59.6	126.3	222.3	296.7	334.6	317.8	284.3	268.6	265.2	277.1	297.1	55°
57.5°	60.8	133.8	242.7	323.7	358.2	345.6	312.0	293.0	291.6	304.5	326.3	57.5°
60°	62.2	139.6	254.6	335.7	369.0	367.8	340.5	323.1	321.0	332.9	353.6	60°
62.5°	61.4	137.4	257.8	329.7	368.1	378.6	363.9	351.6	344.1	354.1	374.1	62.5°
65°	58.7	125.9	247.6	308.8	354.8	372.2	373.4	370.6	357.0	357.7	372.0	65°
67.5°	51.2	105.9	215.6	276.0	328.8	349.4	370.9	369.9	352.9	337.8	340.5	67.5°
70°	42.5	83.1	175.9	235.1	291.8	309.5	343.7	350.6	326.3	298.0	284.7	70°
72.5°	35.8	62.2	135.3	182.1	233.8	254.4	305.2	314.9	281.6	241.8	221.3	72.5°
75°	29.7	43.8	95.1	125.3	161.2	188.5	266.4	267.3	228.5	190.4	168.1	75°
77.5°	22.1	29.9	68.9	87.7	110.9	134.2	215.4	217.7	181.4	144.4	125.2	77.5°
80°	14.7	18.4	43.8	61.3	74.5	89.8	158.0	148.0	119.7	100.0	95.1	80°
82.5°	8.9	10.8	25.3	42.8	47.0	56.0	99.4	92.7	78.9	72.1	74.0	82.5°
85°	4.9	6.7	15.5	28.0	21.9	30.6	54.3	53.0	49.8	43.6	37.9	85°
87.5°	1.3	1.4	3.4	1.3	0.6	1.7	10.6	7.0	7.0	4.0	1.4	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°	310°	315°	325°	335°	340°	342.5°	345°	347.5°	350°	352.5°		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
148.0	148.5	148.3	147.1	143.8	142.5	141.9	140.6	138.9	138.9	137.4	2.5°	137.0
165.8	166.7	165.6	162.5	154.1	150.2	147.8	144.9	142.5	140.3	138.1	5°	135.0
178.4	179.1	177.3	170.2	155.2	148.5	144.9	141.4	138.5	134.7	131.2	7.5°	128.1
180.8	182.4	180.4	170.2	152.9	144.4	140.6	136.7	132.5	128.5	123.6	10°	119.7
174.0	177.5	176.1	168.6	151.8	142.9	138.1	133.6	128.5	124.2	118.7	12.5°	115.1
163.6	164.0	164.9	164.7	149.7	141.0	136.4	131.6	127.0	123.0	118.0	15°	113.5
152.2	151.8	152.9	156.3	149.3	142.3	139.2	134.7	131.4	126.8	123.0	17.5°	117.9
141.8	141.2	142.3	145.7	147.1	145.4	144.2	141.4	138.9	135.9	132.9	20°	127.9
135.3	133.4	133.2	138.2	148.2	152.5	153.4	153.1	152.9	150.7	148.5	22.5°	142.9
131.6	129.5	130.4	136.4	152.7	161.0	165.1	166.5	168.6	168.6	168.6	25°	163.1
130.4	128.3	129.5	136.1	157.5	171.1	177.1	180.8	184.6	186.3	187.4	27.5°	184.0
131.2	129.1	129.5	137.4	159.8	173.6	180.6	185.9	191.9	195.9	198.6	30°	195.9
135.5	131.6	131.2	141.2	164.2	178.9	186.3	192.2	199.1	203.6	208.5	32.5°	208.0
141.0	135.6	134.8	147.4	169.9	185.5	193.0	198.3	205.3	211.4	218.5	35°	221.1
150.6	143.8	142.7	157.8	177.5	191.2	198.6	205.5	213.1	221.1	230.1	37.5°	236.2
163.3	156.6	156.6	171.1	187.8	199.1	207.1	214.4	222.7	233.5	244.6	40°	254.2
177.7	173.4	174.0	187.2	199.7	208.9	216.7	224.6	233.1	243.8	256.7	42.5°	269.2
196.8	194.4	198.1	207.4	211.8	218.0	224.8	231.9	241.1	252.2	267.0	45°	280.1
219.3	221.3	226.4	229.2	223.9	227.2	232.8	239.1	250.1	261.4	275.9	47.5°	290.2
247.3	252.6	257.5	256.7	239.1	238.1	243.1	248.0	259.0	271.8	287.4	50°	302.7
279.6	286.5	290.0	285.9	256.1	249.7	254.0	260.6	272.6	287.4	304.7	52.5°	319.7
312.4	320.8	319.7	315.0	274.4	265.9	268.4	276.5	291.2	308.0	329.9	55°	344.6
342.1	348.6	351.6	341.7	296.9	285.6	288.4	296.9	312.5	331.4	353.8	57.5°	368.3
365.6	372.7	372.7	363.1	321.3	308.2	313.1	321.3	334.8	353.3	374.3	60°	386.9
382.7	388.3	386.3	377.1	342.3	332.2	336.1	347.4	359.5	373.4	390.0	62.5°	396.4
381.4	382.0	379.8	376.3	354.8	353.8	361.0	369.7	379.9	385.2	394.5	65°	396.9
345.6	345.7	350.1	348.6	345.4	358.9	368.3	375.6	384.6	384.6	383.5	67.5°	384.6
283.1	286.1	293.6	291.4	308.2	335.9	346.8	358.0	365.8	365.8	356.4	70°	351.1
215.6	217.4	226.4	224.4	247.1	277.6	301.7	320.2	327.8	332.6	320.8	72.5°	295.0
156.9	156.8	160.5	157.7	186.5	220.4	245.1	268.2	280.8	284.9	263.3	75°	216.3
120.8	117.6	116.8	117.2	132.1	160.2	179.9	194.7	196.3	196.8	167.8	77.5°	131.1
97.5	97.5	96.4	92.3	80.8	93.6	103.8	115.3	119.6	125.5	100.6	80°	73.8
77.8	74.6	69.3	61.4	51.9	55.3	60.2	64.5	71.7	74.2	61.3	82.5°	42.0
38.8	37.7	33.0	27.4	22.7	30.3	33.8	34.0	34.0	31.5	25.7	85°	17.2
0.2	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

'271556

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TION (continued):

359°	360°
127.4	127.4
134.8	135.3
131.9	130.8
122.8	121.2
113.0	111.7
107.3	105.7
106.3	104.5
110.1	107.9
118.7	116.2
132.3	129.2
151.1	148.0
169.5	165.5
182.6	178.7
195.3	190.6
208.0	203.4
225.3	221.1
244.2	238.2
259.9	254.2
272.3	266.4
284.1	278.3
297.6	293.6
317.8	314.4
348.6	343.7
371.2	369.0
382.9	380.2
386.5	382.0
381.8	374.9
366.9	358.9
330.8	320.2
263.7	256.6
177.9	173.7
102.2	96.7
58.7	56.9
33.0	34.9
8.5	9.5
0.0	0.0
0.0	0.0

(END OF REPORT)