

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: P228611

Luminaire Tested: **ISS-AF-600-LED-E1-SLR-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P228611  
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-600-LED-E1-SLR-8030  
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (16) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

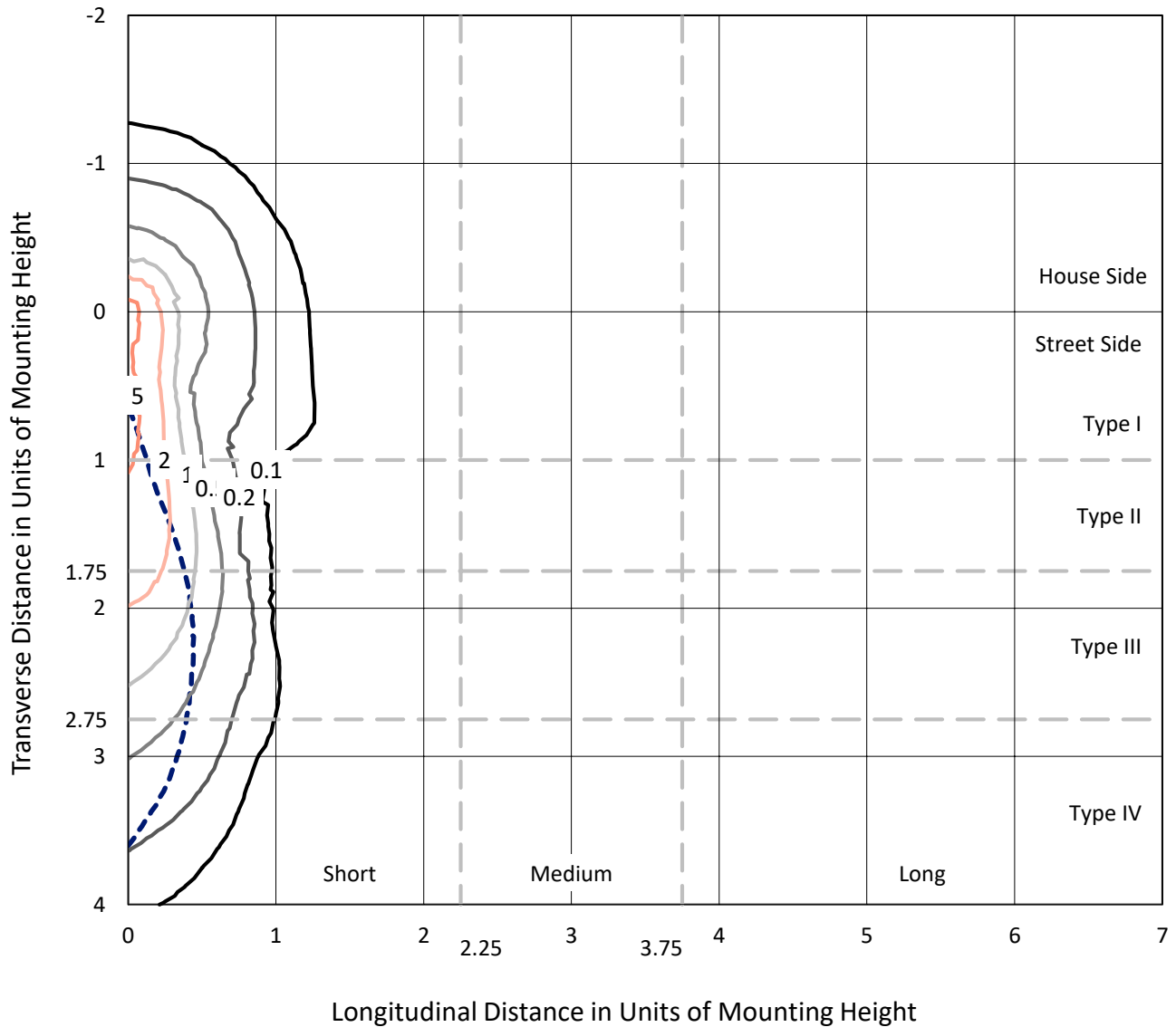
Lumens per Lamp: N/A  
Luminaire Lumens: 2660 lumens  
Efficiency: N/A  
Efficacy: 78.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 33.7  
Input Voltage (V): 120  
Input Current (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

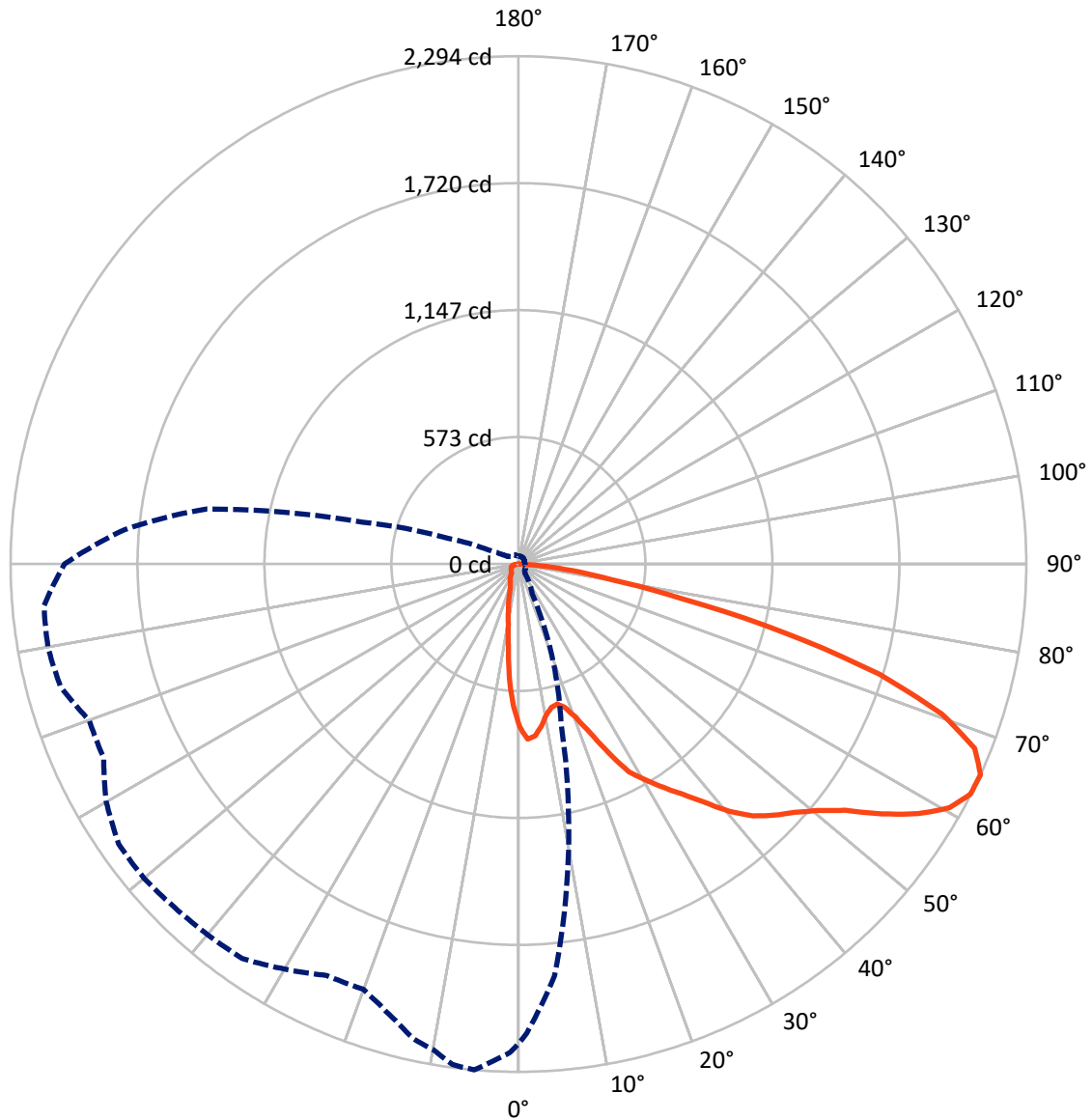
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 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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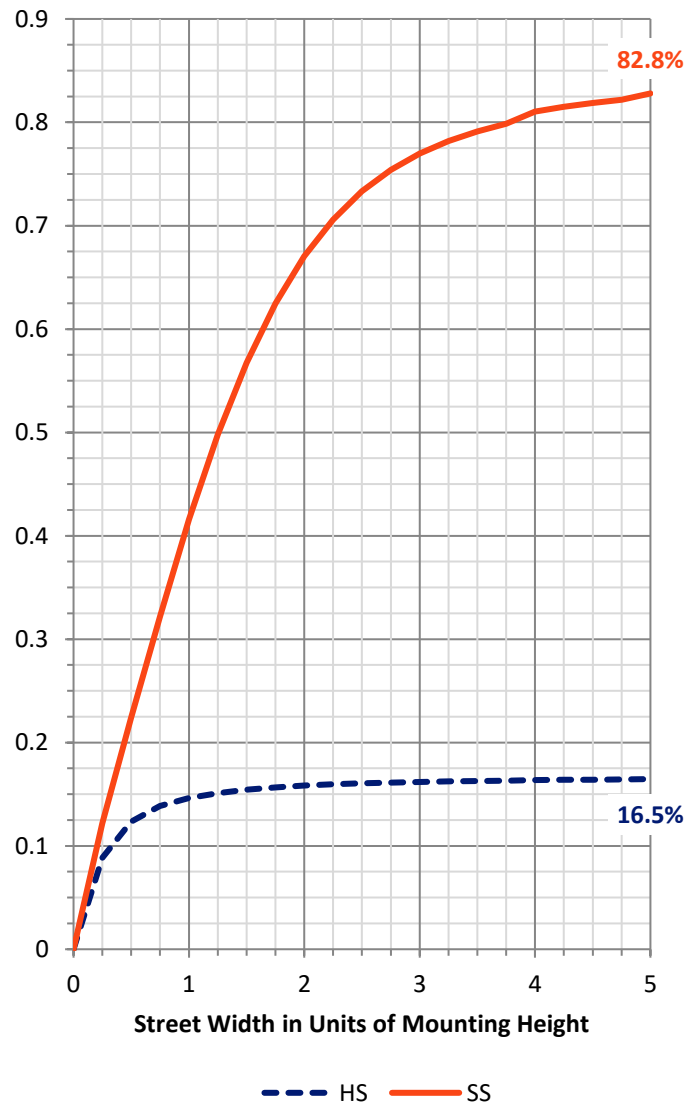
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	442.3	0.0	442.3
	% Fixture	16.6	0.0	16.6
<b>Street Side</b>	Lumens	2217.7	0.0	2217.7
	% Fixture	83.4	0.0	83.4
<b>Total</b>	Lumens	2660.0	0.0	2660.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.5	2.1
10°-20°	116.5	4.4
20°-30°	169.3	6.4
30°-40°	250.4	9.4
40°-50°	364.9	13.7
50°-60°	546.9	20.6
60°-70°	681.6	25.6
70°-80°	399.2	15.0
80°-90°	74.7	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°	2660.0	100.0
0°-180°	2660.0	100.0



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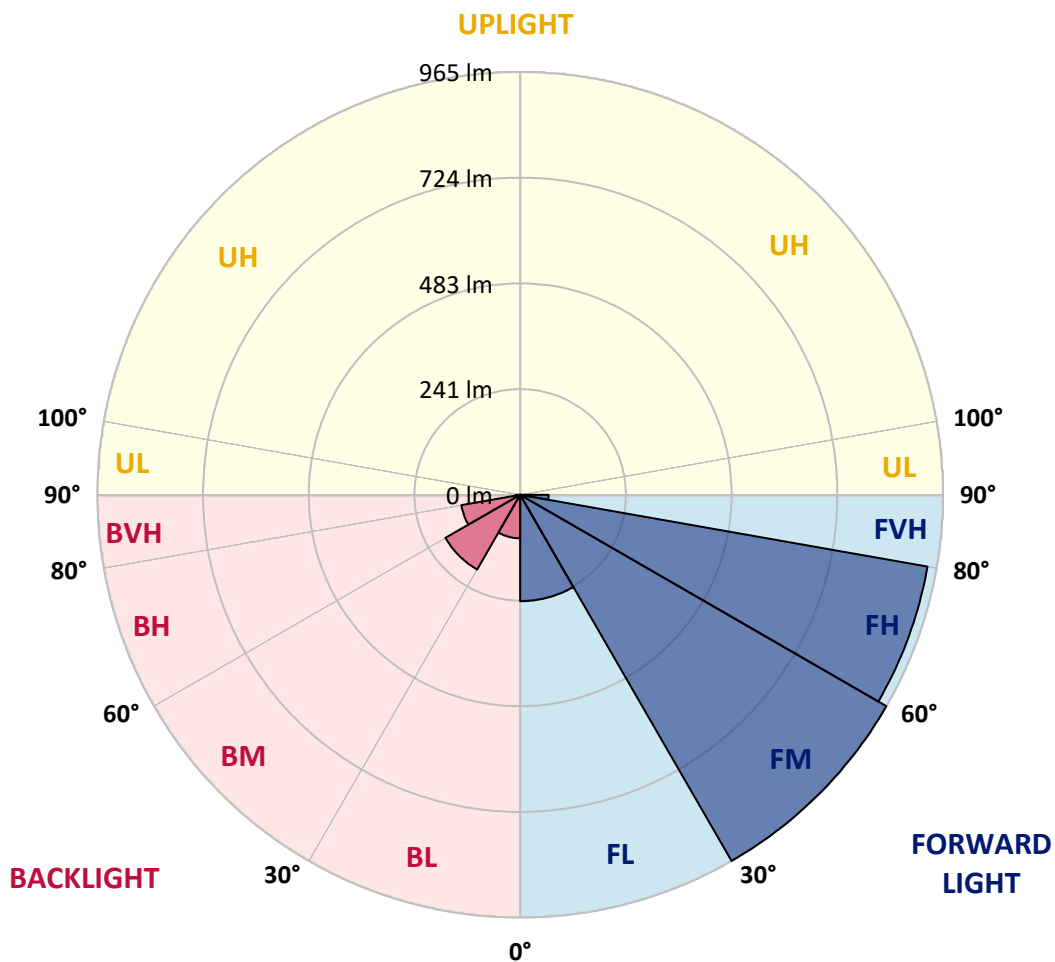
CATALOG NUMBER: ISS-AF-600-LED-E1-SLR-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	243.0	9.1			
FM	(30°-60°)	965.4	36.3			
FH	(60°-80°)	944.3	35.5			G1/1800
FVH	(80°-90°)	65.0	2.4			G1/100
BL	(0°-30°)	99.3	3.7	B0/110		
BM	(30°-60°)	196.9	7.4	B0/220		
BH	(60°-80°)	136.5	5.1	B1/500		G1/500
BVH	(80°-90°)	9.6	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-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°	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1
2.5°	781.4	775.1	762.5	737.2	710.9	685.6	681.4	671.9	672.9	667.7	665.6
5°	756.1	747.7	721.4	668.7	623.4	577.1	573.9	555.0	557.1	545.5	539.2
7.5°	700.3	688.7	659.2	586.6	523.4	462.3	456.0	433.9	430.7	419.1	409.7
10°	645.6	634.0	597.1	513.9	441.3	396.0	388.6	378.1	369.6	364.4	354.9
12.5°	610.8	604.5	560.3	464.4	407.6	370.7	361.2	350.7	342.3	332.8	323.3
15°	603.4	590.8	545.5	448.6	382.3	337.0	325.4	313.8	304.4	294.9	281.2
17.5°	623.4	610.8	560.3	441.3	353.8	299.1	284.3	268.5	259.1	247.5	232.7
20°	670.8	650.8	588.7	430.7	323.3	254.9	237.0	218.0	207.5	187.5	176.9
22.5°	746.7	721.4	637.1	430.7	294.9	208.5	188.5	171.7	160.1	142.2	130.6
25°	855.1	833.0	716.1	442.3	269.6	169.6	149.5	132.7	121.1	108.5	101.1
27.5°	956.2	921.5	800.4	459.2	249.6	142.2	122.2	108.5	100.0	93.7	89.5
30°	1032.1	1003.6	874.1	470.7	220.1	119.0	106.4	97.9	93.7	90.6	88.5
32.5°	1101.6	1068.9	926.7	478.1	202.2	101.1	89.5	83.2	79.0	74.8	73.7
35°	1175.3	1143.7	988.9	477.1	190.6	92.7	81.1	73.7	69.5	68.5	66.3
37.5°	1277.4	1234.3	1060.5	477.1	186.4	89.5	75.8	68.5	65.3	63.2	62.1
40°	1376.4	1328.0	1139.5	480.2	182.2	87.4	75.8	68.5	63.2	61.1	59.0
42.5°	1469.1	1415.4	1211.1	485.5	180.1	81.1	71.6	67.4	65.3	61.1	57.9
45°	1539.7	1497.5	1266.9	496.0	180.1	76.9	67.4	64.2	63.2	63.2	62.1
47.5°	1608.1	1560.7	1331.1	516.0	183.2	73.7	64.2	60.0	60.0	60.0	61.1
50°	1696.6	1640.8	1419.6	557.1	183.2	72.7	61.1	56.9	55.8	57.9	57.9
52.5°	1816.6	1776.6	1549.1	616.1	181.1	71.6	60.0	53.7	52.7	53.7	55.8
55°	1986.2	1940.9	1706.0	688.7	179.0	69.5	57.9	52.7	50.5	49.5	50.5
57.5°	2132.6	2093.6	1850.3	746.7	173.8	64.2	55.8	51.6	48.4	47.4	46.3
60°	2196.8	2164.2	1943.0	785.6	164.3	59.0	52.7	49.5	46.3	45.3	44.2
62.5°	2207.3	2166.3	1944.0	794.0	153.8	53.7	49.5	46.3	44.2	43.2	42.1
65°	2166.3	2119.9	1867.2	742.4	145.3	53.7	47.4	44.2	41.1	40.0	39.0
67.5°	2073.6	2002.0	1672.3	629.8	138.0	54.8	46.3	41.1	39.0	37.9	36.9
70°	1850.3	1770.3	1412.2	500.2	134.8	55.8	46.3	39.0	35.8	34.8	34.8
72.5°	1482.8	1391.2	1101.6	377.0	129.5	56.9	45.3	36.9	33.7	31.6	31.6
75°	1003.6	923.6	746.7	254.9	107.4	49.5	41.1	33.7	29.5	27.4	26.3
77.5°	559.2	532.9	475.0	134.8	68.5	36.9	31.6	27.4	24.2	23.2	22.1
80°	328.6	314.9	280.1	74.8	42.1	21.1	19.0	17.9	15.8	15.8	15.8
82.5°	201.1	187.5	173.8	33.7	20.0	10.5	10.5	8.4	8.4	7.4	7.4
85°	54.8	50.5	70.6	7.4	2.1	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°	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1
2.5°	657.1	655.0	655.0	639.2	639.2	630.8	628.7	628.7	631.9	629.8	617.1
5°	528.7	522.3	518.1	499.2	493.9	484.4	480.2	479.2	482.3	477.1	460.2
7.5°	398.1	392.8	386.5	371.7	365.4	364.4	351.7	348.6	346.5	342.3	331.7
10°	347.5	340.2	334.9	324.4	317.0	311.7	301.2	295.9	291.7	285.4	282.2
12.5°	312.8	305.4	298.0	284.3	274.9	268.5	262.2	251.7	247.5	240.1	235.9
15°	269.6	261.2	252.7	238.0	225.4	219.0	206.4	200.1	195.9	187.5	183.2
17.5°	216.9	205.4	195.9	182.2	175.9	165.3	158.0	147.4	139.0	135.9	132.7
20°	163.2	152.7	144.3	132.7	126.4	117.9	113.7	106.4	102.2	100.0	97.9
22.5°	120.1	111.6	106.4	100.0	96.9	93.7	91.6	89.5	87.4	86.4	86.4
25°	94.8	91.6	89.5	87.4	86.4	85.3	83.2	82.1	81.1	80.0	80.0
27.5°	86.4	84.2	83.2	82.1	81.1	79.0	79.0	76.9	75.8	75.8	74.8
30°	87.4	87.4	87.4	85.3	84.2	82.1	81.1	77.9	75.8	73.7	72.7
32.5°	71.6	71.6	70.6	68.5	67.4	66.3	66.3	64.2	63.2	63.2	65.3
35°	65.3	64.2	63.2	61.1	60.0	57.9	56.9	55.8	54.8	53.7	53.7
37.5°	62.1	61.1	60.0	57.9	56.9	55.8	54.8	52.7	51.6	51.6	50.5
40°	59.0	59.0	59.0	56.9	55.8	53.7	52.7	51.6	50.5	49.5	49.5
42.5°	56.9	56.9	56.9	55.8	54.8	53.7	51.6	50.5	49.5	48.4	47.4
45°	57.9	56.9	56.9	55.8	54.8	52.7	51.6	49.5	48.4	47.4	46.3
47.5°	62.1	61.1	59.0	56.9	54.8	52.7	50.5	48.4	47.4	46.3	45.3
50°	59.0	63.2	64.2	61.1	55.8	52.7	50.5	48.4	46.3	45.3	44.2
52.5°	57.9	59.0	63.2	63.2	57.9	53.7	50.5	48.4	46.3	44.2	43.2
55°	52.7	55.8	56.9	57.9	56.9	52.7	49.5	46.3	45.3	43.2	41.1
57.5°	46.3	48.4	49.5	51.6	52.7	51.6	47.4	44.2	43.2	41.1	39.0
60°	43.2	43.2	43.2	44.2	49.5	53.7	49.5	43.2	40.0	39.0	36.9
62.5°	40.0	40.0	39.0	40.0	41.1	46.3	45.3	41.1	39.0	37.9	35.8
65°	39.0	37.9	36.9	36.9	36.9	36.9	36.9	36.9	35.8	35.8	34.8
67.5°	35.8	34.8	34.8	33.7	33.7	33.7	33.7	33.7	32.6	32.6	31.6
70°	33.7	32.6	31.6	31.6	31.6	30.5	30.5	30.5	29.5	29.5	29.5
72.5°	30.5	29.5	29.5	29.5	28.4	28.4	28.4	27.4	27.4	26.3	26.3
75°	26.3	26.3	25.3	25.3	25.3	24.2	24.2	24.2	24.2	23.2	23.2
77.5°	22.1	21.1	22.1	21.1	21.1	21.1	21.1	21.1	20.0	20.0	19.0
80°	14.7	14.7	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7
82.5°	8.4	7.4	8.4	8.4	8.4	9.5	9.5	10.5	9.5	9.5	8.4
85°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.1	2.1	2.1	2.1
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°	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1
2.5°	623.4	622.4	611.9	614.0	610.8	604.5	605.5	606.6	608.7	604.5	602.4
5°	468.6	469.7	456.0	460.2	457.1	456.0	459.2	464.4	467.6	466.5	463.4
7.5°	332.8	333.8	322.3	321.2	318.0	317.0	321.2	326.5	329.6	328.6	329.6
10°	274.9	271.7	261.2	253.8	246.4	240.1	239.1	239.1	239.1	237.0	234.8
12.5°	227.5	224.3	211.7	205.4	199.0	190.6	189.6	188.5	185.3	182.2	178.0
15°	176.9	173.8	163.2	159.0	153.8	150.6	149.5	149.5	147.4	145.3	143.2
17.5°	128.5	126.4	120.1	115.8	114.8	115.8	116.9	119.0	120.1	121.1	121.1
20°	96.9	95.8	93.7	93.7	94.8	97.9	99.0	102.2	103.2	105.3	107.4
22.5°	85.3	85.3	84.2	84.2	86.4	89.5	91.6	92.7	93.7	94.8	94.8
25°	79.0	79.0	77.9	80.0	83.2	83.2	83.2	83.2	81.1	80.0	80.0
27.5°	74.8	74.8	74.8	75.8	74.8	73.7	73.7	73.7	72.7	72.7	71.6
30°	71.6	71.6	71.6	70.6	70.6	69.5	69.5	68.5	68.5	67.4	67.4
32.5°	66.3	64.2	66.3	64.2	64.2	63.2	64.2	64.2	62.1	62.1	62.1
35°	52.7	51.6	51.6	51.6	50.5	51.6	53.7	53.7	53.7	53.7	53.7
37.5°	49.5	49.5	48.4	47.4	47.4	46.3	47.4	46.3	46.3	46.3	47.4
40°	48.4	47.4	46.3	46.3	45.3	44.2	44.2	44.2	44.2	44.2	44.2
42.5°	46.3	46.3	44.2	43.2	43.2	42.1	42.1	42.1	42.1	42.1	42.1
45°	45.3	44.2	43.2	42.1	41.1	41.1	41.1	41.1	41.1	41.1	40.0
47.5°	44.2	43.2	42.1	41.1	40.0	39.0	39.0	39.0	39.0	39.0	39.0
50°	43.2	42.1	40.0	40.0	39.0	37.9	37.9	37.9	37.9	37.9	37.9
52.5°	41.1	41.1	39.0	37.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
55°	39.0	39.0	36.9	35.8	34.8	34.8	34.8	34.8	35.8	35.8	35.8
57.5°	37.9	36.9	34.8	34.8	32.6	32.6	32.6	33.7	33.7	34.8	34.8
60°	35.8	34.8	33.7	32.6	32.6	31.6	31.6	31.6	31.6	32.6	32.6
62.5°	34.8	33.7	31.6	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
65°	32.6	32.6	30.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
67.5°	30.5	30.5	28.4	27.4	27.4	27.4	28.4	27.4	27.4	27.4	27.4
70°	28.4	27.4	26.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
72.5°	25.3	25.3	24.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	24.2
75°	22.1	21.1	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
77.5°	19.0	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	17.9
80°	13.7	12.6	12.6	12.6	12.6	13.7	13.7	13.7	13.7	13.7	13.7
82.5°	8.4	7.4	7.4	7.4	8.4	9.5	9.5	9.5	9.5	10.5	10.5
85°	2.1	2.1	2.1	2.1	4.2	5.3	5.3	5.3	6.3	5.3	5.3
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°	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1
2.5°	600.3	612.9	612.9	604.5	608.7	604.5	603.4	610.8	615.0	628.7	637.1
5°	464.4	480.2	481.3	477.1	482.3	479.2	482.3	491.8	499.2	508.7	517.1
7.5°	331.7	346.5	349.6	346.5	356.0	354.9	357.0	367.5	373.9	379.1	380.2
10°	233.8	235.9	244.3	242.2	248.5	247.5	250.6	259.1	267.5	270.7	272.8
12.5°	175.9	173.8	176.9	172.7	175.9	175.9	176.9	182.2	192.7	196.9	207.5
15°	142.2	140.1	140.1	138.0	138.0	136.9	138.0	142.2	149.5	155.9	164.3
17.5°	121.1	121.1	121.1	120.1	119.0	119.0	120.1	122.2	126.4	130.6	134.8
20°	108.5	110.6	111.6	112.7	113.7	114.8	115.8	119.0	117.9	113.7	108.5
22.5°	94.8	94.8	95.8	95.8	94.8	94.8	94.8	94.8	94.8	97.9	101.1
25°	79.0	79.0	79.0	80.0	79.0	79.0	80.0	80.0	81.1	83.2	86.4
27.5°	71.6	71.6	71.6	71.6	71.6	71.6	71.6	72.7	73.7	76.9	79.0
30°	66.3	66.3	65.3	65.3	65.3	64.2	65.3	65.3	66.3	70.6	73.7
32.5°	61.1	60.0	60.0	60.0	59.0	59.0	59.0	61.1	62.1	64.2	67.4
35°	53.7	53.7	53.7	54.8	54.8	54.8	54.8	56.9	56.9	57.9	57.9
37.5°	48.4	48.4	49.5	50.5	50.5	51.6	51.6	52.7	53.7	52.7	51.6
40°	44.2	45.3	45.3	47.4	47.4	47.4	48.4	49.5	50.5	48.4	48.4
42.5°	42.1	42.1	42.1	43.2	43.2	43.2	44.2	45.3	46.3	46.3	46.3
45°	40.0	40.0	40.0	41.1	40.0	40.0	40.0	41.1	43.2	43.2	44.2
47.5°	39.0	39.0	39.0	37.9	37.9	37.9	37.9	39.0	40.0	42.1	43.2
50°	37.9	36.9	36.9	36.9	36.9	36.9	36.9	37.9	39.0	40.0	42.1
52.5°	35.8	35.8	35.8	35.8	35.8	35.8	35.8	36.9	37.9	39.0	40.0
55°	35.8	35.8	34.8	34.8	35.8	35.8	35.8	36.9	37.9	39.0	39.0
57.5°	34.8	33.7	33.7	34.8	34.8	34.8	34.8	35.8	36.9	37.9	37.9
60°	32.6	32.6	32.6	32.6	33.7	33.7	34.8	35.8	35.8	36.9	36.9
62.5°	30.5	31.6	31.6	31.6	32.6	32.6	33.7	34.8	35.8	36.9	35.8
65°	29.5	30.5	30.5	30.5	31.6	31.6	31.6	33.7	34.8	34.8	35.8
67.5°	28.4	28.4	28.4	29.5	29.5	30.5	30.5	32.6	32.6	33.7	34.8
70°	26.3	26.3	26.3	27.4	27.4	28.4	29.5	30.5	30.5	31.6	32.6
72.5°	24.2	24.2	24.2	25.3	25.3	26.3	27.4	29.5	28.4	29.5	29.5
75°	21.1	21.1	22.1	22.1	23.2	24.2	25.3	25.3	25.3	25.3	25.3
77.5°	17.9	17.9	19.0	19.0	20.0	21.1	21.1	21.1	22.1	21.1	21.1
80°	14.7	14.7	15.8	15.8	15.8	15.8	16.8	15.8	16.8	15.8	16.8
82.5°	10.5	10.5	11.6	10.5	11.6	10.5	10.5	9.5	11.6	10.5	10.5
85°	4.2	5.3	5.3	5.3	5.3	4.2	4.2	3.2	4.2	4.2	3.2
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°	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1
2.5°	640.3	639.2	655.0	666.6	674.0	702.4	715.1	730.9	738.2	748.8	759.3
5°	518.1	516.0	535.0	549.7	562.4	603.4	627.7	649.8	667.7	684.5	708.7
7.5°	370.7	366.5	379.1	391.8	408.6	452.8	495.0	524.5	550.8	579.2	610.8
10°	273.8	277.0	289.6	308.6	330.7	364.4	398.1	419.1	442.3	473.9	511.8
12.5°	219.0	231.7	242.2	265.4	291.7	329.6	365.4	382.3	399.1	414.9	434.9
15°	175.9	183.2	191.7	213.8	245.4	289.6	331.7	350.7	370.7	389.7	407.6
17.5°	135.9	139.0	143.2	159.0	187.5	240.1	286.4	310.7	333.8	360.2	384.4
20°	108.5	108.5	109.5	116.9	136.9	178.0	234.8	265.4	294.9	328.6	363.3
22.5°	94.8	93.7	94.8	97.9	107.4	131.6	183.2	219.0	257.0	299.1	342.3
25°	89.5	88.5	87.4	89.5	94.8	106.4	143.2	181.1	220.1	270.7	323.3
27.5°	81.1	82.1	83.2	85.3	89.5	95.8	119.0	147.4	190.6	246.4	309.6
30°	75.8	76.9	77.9	80.0	87.4	94.8	108.5	126.4	163.2	218.0	288.6
32.5°	69.5	70.6	71.6	72.7	74.8	83.2	92.7	107.4	139.0	192.7	266.4
35°	56.9	56.9	57.9	61.1	65.3	73.7	83.2	94.8	124.3	175.9	252.7
37.5°	52.7	52.7	53.7	56.9	61.1	68.5	76.9	87.4	117.9	169.6	240.1
40°	49.5	50.5	50.5	53.7	57.9	66.3	71.6	84.2	114.8	160.1	227.5
42.5°	47.4	47.4	48.4	51.6	56.9	63.2	70.6	82.1	106.4	151.6	220.1
45°	45.3	46.3	46.3	49.5	55.8	61.1	71.6	77.9	101.1	145.3	213.8
47.5°	44.2	44.2	45.3	48.4	54.8	62.1	69.5	73.7	95.8	140.1	208.5
50°	42.1	43.2	44.2	47.4	53.7	68.5	66.3	70.6	91.6	135.9	205.4
52.5°	41.1	42.1	43.2	46.3	53.7	69.5	64.2	66.3	88.5	131.6	203.3
55°	40.0	40.0	41.1	45.3	53.7	64.2	60.0	64.2	82.1	125.3	198.0
57.5°	37.9	39.0	40.0	43.2	52.7	59.0	56.9	61.1	75.8	114.8	190.6
60°	37.9	37.9	39.0	42.1	52.7	52.7	53.7	57.9	68.5	102.2	178.0
62.5°	36.9	36.9	37.9	42.1	53.7	47.4	50.5	54.8	63.2	91.6	162.2
65°	35.8	35.8	36.9	40.0	46.3	45.3	48.4	51.6	61.1	84.2	148.5
67.5°	33.7	33.7	34.8	37.9	41.1	42.1	46.3	49.5	60.0	83.2	135.9
70°	31.6	31.6	31.6	34.8	36.9	40.0	43.2	47.4	60.0	82.1	126.4
72.5°	29.5	28.4	29.5	31.6	33.7	35.8	39.0	44.2	59.0	83.2	122.2
75°	25.3	25.3	25.3	27.4	29.5	31.6	34.8	41.1	55.8	77.9	109.5
77.5°	21.1	21.1	20.0	23.2	25.3	26.3	29.5	35.8	48.4	66.3	88.5
80°	15.8	14.7	14.7	17.9	19.0	21.1	23.2	27.4	37.9	48.4	65.3
82.5°	9.5	8.4	8.4	11.6	12.6	13.7	17.9	20.0	25.3	31.6	44.2
85°	3.2	3.2	3.2	5.3	6.3	7.4	10.5	11.6	15.8	20.0	23.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	3.2	5.3	6.3	5.3
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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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	250°	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	
0°	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	0°
2.5°	771.9	782.5	796.2	808.8	818.3	826.7	837.2	837.2	849.9	854.1	862.5	2.5°
5°	727.7	747.7	777.2	801.4	830.9	859.3	885.7	900.4	925.7	942.5	959.4	5°
7.5°	638.2	665.6	702.4	736.1	779.3	825.6	868.8	908.8	951.0	986.8	1013.1	7.5°
10°	544.5	582.4	621.3	664.5	710.9	760.3	813.0	866.7	917.3	967.8	1011.0	10°
12.5°	467.6	510.8	555.0	608.7	662.4	715.1	777.2	823.5	876.2	926.7	968.9	12.5°
15°	434.9	472.8	524.5	583.4	640.3	694.0	751.9	799.3	848.8	889.9	919.4	15°
17.5°	421.2	469.7	528.7	590.8	651.9	717.2	768.8	808.8	845.7	864.6	868.8	17.5°
20°	406.5	472.8	551.8	627.7	702.4	770.9	808.8	835.1	841.4	840.4	824.6	20°
22.5°	398.1	483.4	581.3	687.7	781.4	861.4	887.8	882.5	856.2	822.5	796.2	22.5°
25°	396.0	507.6	631.9	773.0	887.8	967.8	982.6	953.1	894.1	828.8	784.6	25°
27.5°	398.1	535.0	695.1	864.6	999.4	1081.5	1076.3	1032.1	947.8	856.2	785.6	27.5°
30°	388.6	563.4	758.2	944.6	1078.4	1146.8	1125.8	1059.4	965.7	874.1	799.3	30°
32.5°	372.8	584.5	814.1	1008.9	1160.5	1212.1	1174.2	1102.6	1005.7	912.0	835.1	32.5°
35°	354.9	594.0	854.1	1068.9	1249.0	1276.4	1215.3	1142.6	1054.2	959.4	876.2	35°
37.5°	335.9	595.0	892.0	1132.1	1334.3	1345.9	1257.4	1179.5	1093.1	1007.8	932.0	37.5°
40°	325.4	590.8	931.0	1210.0	1425.9	1410.1	1301.6	1210.0	1124.7	1059.4	997.3	40°
42.5°	321.2	583.4	959.4	1269.0	1504.9	1470.1	1342.7	1240.6	1163.7	1108.9	1065.8	42.5°
45°	321.2	576.1	985.7	1313.2	1563.9	1518.6	1381.7	1270.1	1201.6	1167.9	1146.8	45°
47.5°	322.3	579.2	1017.3	1384.8	1614.4	1564.9	1412.2	1313.2	1254.3	1241.6	1249.0	47.5°
50°	327.5	615.0	1071.0	1463.8	1677.6	1614.4	1453.3	1361.7	1325.9	1338.5	1380.6	50°
52.5°	335.9	671.9	1163.7	1557.6	1775.6	1693.4	1521.8	1431.2	1414.3	1459.6	1539.7	52.5°
55°	344.4	729.8	1284.8	1714.5	1933.5	1836.6	1642.9	1552.3	1532.3	1601.8	1716.6	55°
57.5°	351.7	773.0	1402.7	1870.3	2070.4	1996.7	1802.9	1693.4	1685.0	1759.8	1885.1	57.5°
60°	359.1	806.7	1471.2	1939.8	2132.6	2125.2	1968.3	1867.2	1854.5	1924.0	2043.0	60°
62.5°	354.9	794.0	1490.2	1905.1	2127.3	2188.4	2103.1	2031.5	1988.3	2046.2	2162.0	62.5°
65°	339.1	727.7	1430.1	1785.0	2050.4	2150.5	2157.8	2141.0	2063.1	2067.3	2149.4	65°
67.5°	295.9	611.9	1245.8	1595.5	1899.8	2018.8	2143.1	2137.8	2038.8	1951.4	1968.3	67.5°
70°	245.4	480.2	1016.3	1358.5	1686.0	1788.2	1986.2	2026.2	1885.1	1721.8	1645.0	70°
72.5°	206.4	359.1	781.4	1052.1	1351.1	1470.1	1764.0	1819.8	1627.1	1397.5	1278.5	72.5°
75°	171.7	253.8	549.7	724.5	932.0	1088.9	1539.7	1544.9	1320.6	1099.5	971.0	75°
77.5°	127.4	172.7	398.1	506.5	640.3	775.1	1244.8	1258.5	1047.8	834.1	723.5	77.5°
80°	85.3	106.4	253.8	353.8	430.7	519.2	913.1	855.1	691.9	578.2	549.7	80°
82.5°	51.6	62.1	146.4	247.5	271.7	323.3	573.9	536.0	456.0	417.0	427.6	82.5°
85°	28.4	39.0	89.5	162.2	126.4	176.9	313.8	306.5	287.5	251.7	219.0	85°
87.5°	7.4	8.4	20.0	7.4	3.2	9.5	61.1	40.0	40.0	23.2	8.4	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°

NUMBER: P228611  
 NUMBER: ISS-AF-600-LED-E1-SLR-8030

REPORT NUMBER: P  
 CATALOG NUMBER:

<b>DISTRIBUTION (continued):</b>											<b>CANDELA DISTRIBUTION</b>	
305°	310°	315°	325°	335°	340°	342.5°	345°	347.5°	350°	352.5°		355°
736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	0°	736.1
855.1	858.3	857.2	849.9	830.9	823.5	820.4	812.0	802.5	802.5	794.0	2.5°	791.9
958.3	963.6	957.3	939.4	890.9	867.8	854.1	837.2	823.5	810.9	798.3	5°	780.4
1031.0	1035.2	1024.7	983.6	897.3	858.3	837.2	817.2	800.4	778.3	758.2	7.5°	740.3
1044.7	1054.2	1042.6	983.6	883.6	835.1	812.0	789.8	765.6	742.4	714.0	10°	691.9
1005.7	1025.7	1017.3	974.1	877.2	825.6	798.3	771.9	742.4	718.2	685.6	12.5°	664.5
945.7	947.8	953.1	952.0	865.7	815.1	787.7	760.3	734.0	710.9	682.4	15°	656.1
879.4	877.2	883.6	903.6	862.5	822.5	804.6	778.3	759.3	733.0	710.9	17.5°	681.4
819.3	816.2	822.5	842.5	849.9	840.4	833.0	817.2	802.5	785.6	767.7	20°	739.3
781.4	770.9	769.8	799.3	856.2	881.5	886.7	884.6	883.6	870.9	858.3	22.5°	825.6
760.3	748.8	754.0	787.7	882.5	929.9	954.1	962.5	974.1	974.1	974.1	25°	942.5
754.0	741.4	748.8	786.7	909.9	988.9	1023.6	1044.7	1066.8	1076.3	1082.6	27.5°	1062.6
758.2	745.6	748.8	794.0	923.6	1002.6	1043.6	1074.2	1108.9	1132.1	1147.9	30°	1132.1
782.5	760.3	758.2	816.2	948.9	1033.1	1076.3	1111.0	1150.0	1176.3	1204.8	32.5°	1202.7
815.1	783.5	779.3	852.0	981.5	1072.1	1115.2	1145.8	1185.8	1221.6	1262.7	35°	1277.4
869.9	830.9	824.6	912.0	1025.7	1104.7	1147.9	1187.9	1231.1	1277.4	1330.1	37.5°	1364.8
943.6	904.6	904.6	988.9	1085.8	1150.0	1197.4	1239.5	1286.9	1349.0	1413.3	40°	1469.1
1026.8	1001.5	1005.7	1081.5	1154.2	1206.9	1252.2	1297.4	1346.9	1409.1	1483.8	42.5°	1555.5
1137.4	1123.7	1144.7	1198.4	1223.7	1259.5	1299.5	1339.6	1393.3	1457.5	1542.8	45°	1618.6
1266.9	1278.5	1308.0	1324.8	1294.3	1313.2	1344.8	1381.7	1444.9	1510.2	1594.4	47.5°	1676.6
1429.1	1459.6	1488.1	1483.8	1381.7	1375.4	1404.9	1433.3	1496.5	1571.2	1660.8	50°	1749.2
1615.5	1655.5	1675.5	1652.3	1479.6	1442.8	1467.0	1506.0	1575.5	1660.8	1760.8	52.5°	1847.2
1805.0	1853.5	1847.2	1820.8	1586.0	1536.5	1551.2	1597.6	1682.9	1779.8	1906.1	55°	1991.4
1976.7	2014.6	2031.5	1974.6	1715.5	1650.2	1667.1	1715.5	1806.1	1914.6	2044.1	57.5°	2128.3
2112.5	2153.6	2153.6	2097.8	1856.6	1780.8	1809.3	1856.6	1934.6	2042.0	2163.1	60°	2235.8
2211.5	2244.2	2232.6	2178.9	1977.7	1919.8	1941.9	2007.2	2077.8	2157.8	2253.7	62.5°	2290.5
2204.2	2207.3	2194.7	2174.7	2050.4	2044.1	2086.2	2136.8	2195.7	2226.3	2280.0	65°	2293.7
1996.7	1997.8	2023.0	2014.6	1995.7	2073.6	2128.3	2170.5	2222.1	2222.1	2215.8	67.5°	2222.1
1636.5	1653.4	1696.6	1683.9	1780.8	1940.9	2004.1	2068.3	2113.6	2113.6	2059.9	70°	2029.4
1245.8	1256.4	1308.0	1296.4	1428.0	1603.9	1742.9	1850.3	1894.6	1921.9	1853.5	72.5°	1705.0
906.7	905.7	927.8	910.9	1077.3	1273.2	1416.4	1550.2	1622.8	1646.0	1521.8	75°	1250.0
698.2	679.3	675.0	677.2	763.5	925.7	1039.4	1124.7	1134.2	1137.4	969.9	77.5°	757.2
563.4	563.4	557.1	533.9	467.6	541.3	599.2	666.6	690.8	725.6	581.3	80°	426.5
449.7	431.8	400.2	354.9	300.1	320.1	347.5	372.8	413.9	428.6	353.8	82.5°	242.2
224.3	218.0	190.6	158.0	131.6	174.8	194.8	196.9	196.9	182.2	148.5	85°	99.0
1.1	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

'228611  
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**TION (continued):**

359°	360°
736.1	736.1
779.3	781.4
762.5	756.1
709.8	700.3
652.9	645.6
620.3	610.8
614.0	603.4
636.1	623.4
685.6	670.8
764.6	746.7
873.0	855.1
979.4	956.2
1055.2	1032.1
1128.9	1101.6
1202.7	1175.3
1301.6	1277.4
1411.2	1376.4
1501.7	1469.1
1573.4	1539.7
1641.8	1608.1
1719.7	1696.6
1836.6	1816.6
2014.6	1986.2
2145.2	2132.6
2212.6	2196.8
2233.7	2207.3
2206.3	2166.3
2119.9	2073.6
1911.4	1850.3
1523.9	1482.8
1027.8	1003.6
590.8	559.2
339.1	328.6
190.6	201.1
49.5	54.8
0.0	0.0
0.0	0.0

(END OF REPORT)