

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: P227171

Luminaire Tested: **ISW-AF-XXX-LED-E1-SLL-8030-XXB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P227171  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35948)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: ISW-AF-XXX-LED-E1-SLL-8030-XXB  
Description: IMPACT ELITE LED WEDGE LUMINAIRE, EMERGENCY MODE WITH BATTERY  
BACKPACK BOX  
LIGHT SQUARE WITH ACCUED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (16) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 467.6 lumens  
Efficiency: N/A  
Efficacy: 36.0 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 - U1 - 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

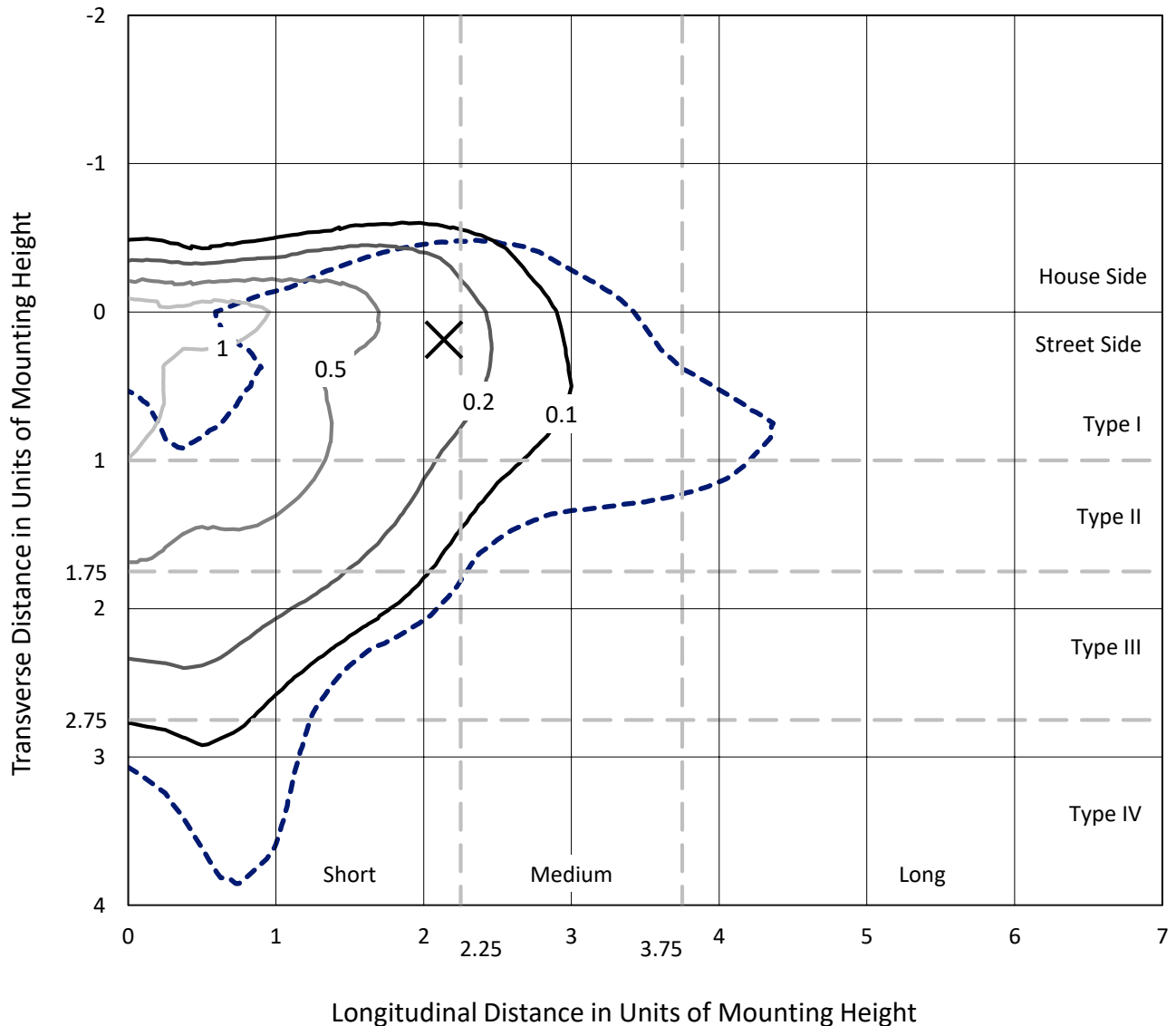


REPORT NUMBER: P227171

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLL-8030-XXB

### Iso-Footcandle Lines of Horizontal Illumination

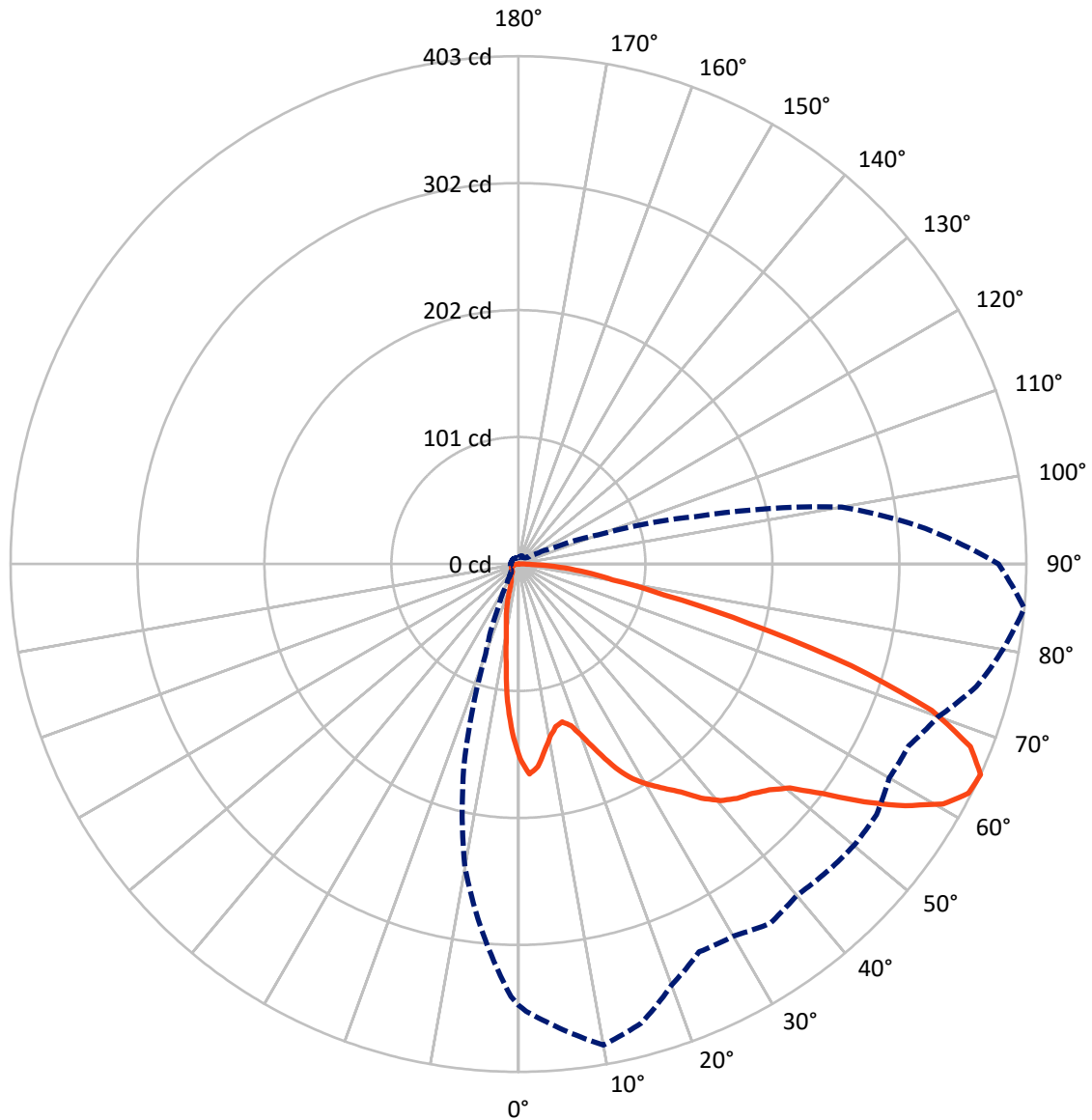
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P227171  
CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLL-8030-XXB

### Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P227171

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLL-8030-XXB

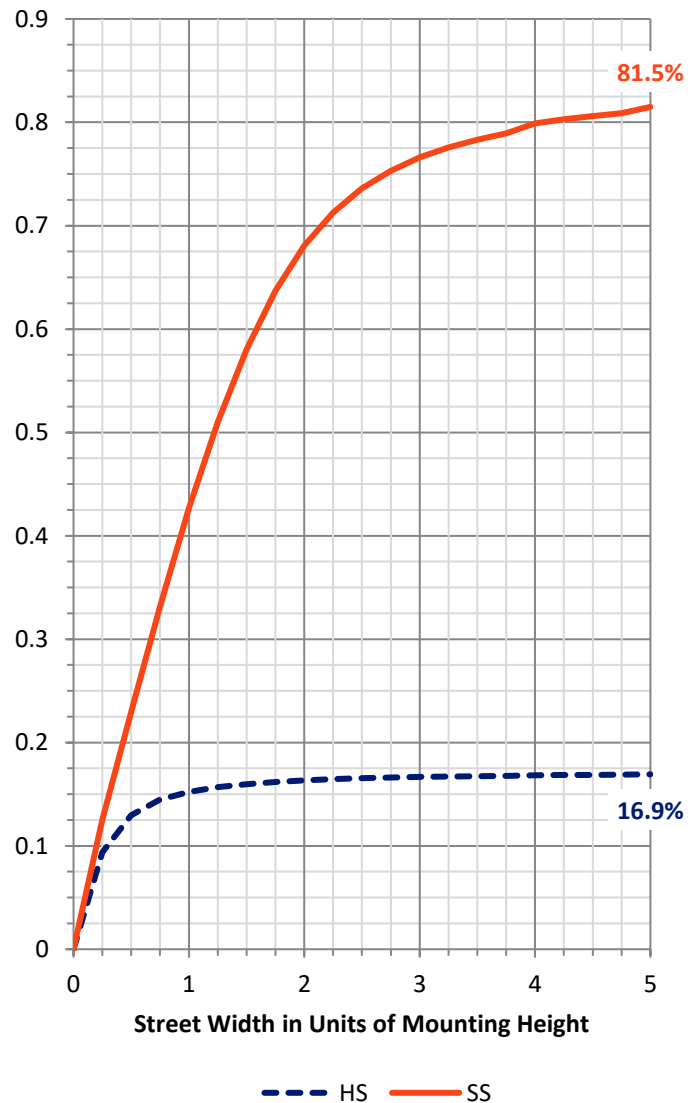
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	80.2	0.0	80.2
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	387.4	0.0	387.4
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	467.6	0.0	467.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.4	2.4
10°-20°	22.0	4.7
20°-30°	31.4	6.7
30°-40°	45.6	9.7
40°-50°	65.2	13.9
50°-60°	100.1	21.4
60°-70°	115.8	24.8
70°-80°	59.1	12.6
80°-90°	17.1	3.6
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°	467.6	100.0
0°-180°	467.6	100.0



REPORT NUMBER: P227171

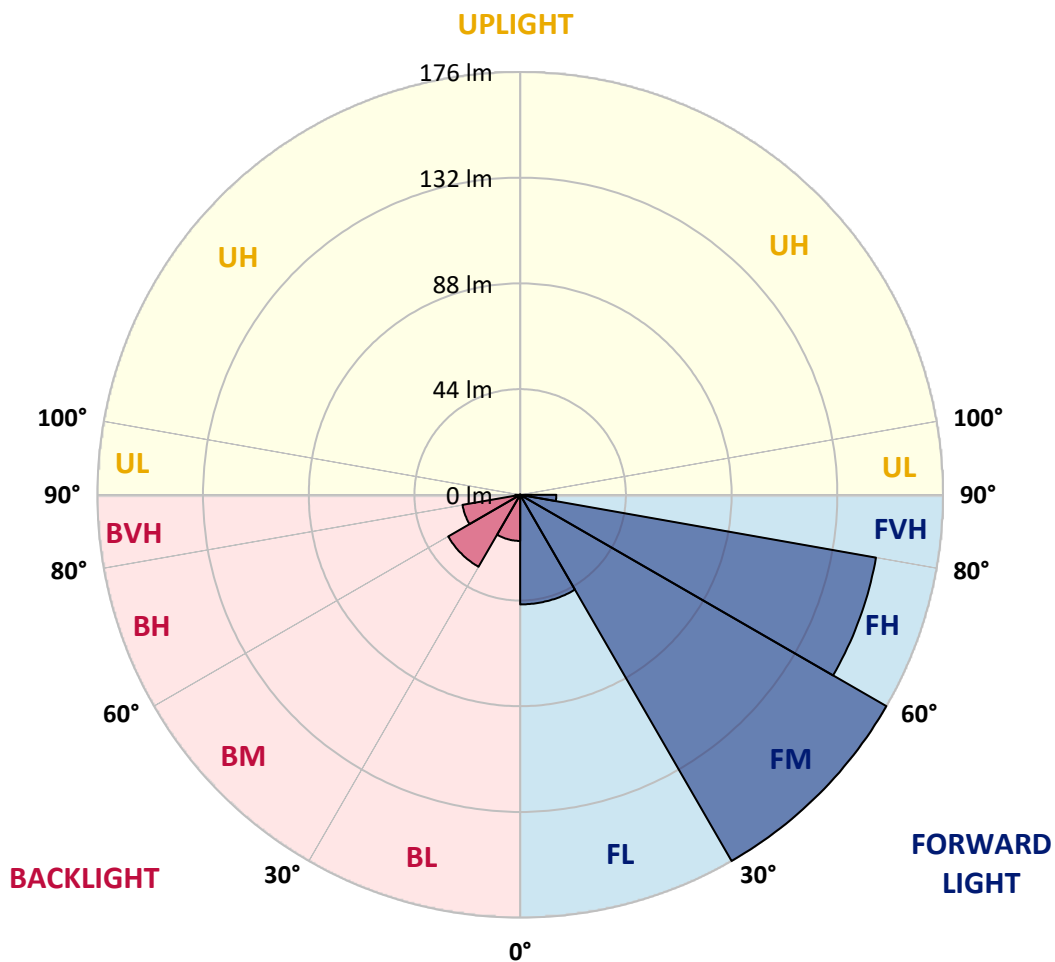
CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLL-8030-XXB

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	45.7	9.8			
FM	(30°-60°)	176.2	37.7			
FH	(60°-80°)	150.5	32.2			G0/660
FVH	(80°-90°)	15.1	3.2			G1/100
BL	(0°-30°)	19.2	4.1	B0/110		
BM	(30°-60°)	34.6	7.4	B0/220		
BH	(60°-80°)	24.4	5.2	B0/110		G0/110
BVH	(80°-90°)	2.0	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U1/10	
UH	(100°-180°)	0.0	0.0		U1/10	

**BUG Rating: B0-U1-G1**

Type IV Short





REPORT NUMBER: P227171

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLL-8030-XXB

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5
2.5°	159.9	160.1	162.3	164.4	167.1	166.7	168.9	170.5	172.0	172.3	173.4
5°	150.2	151.7	156.7	160.9	166.3	170.5	175.0	178.5	181.1	183.5	183.8
7.5°	136.5	137.6	143.4	150.1	157.8	163.3	170.1	176.0	180.1	184.1	184.9
10°	124.7	125.8	132.2	140.9	147.6	154.8	161.8	166.6	172.0	175.4	177.1
12.5°	119.1	120.4	126.5	134.3	141.3	148.2	153.5	157.6	160.7	161.3	161.8
15°	121.3	122.0	128.7	135.7	141.2	144.7	146.1	148.6	148.4	149.6	149.8
17.5°	130.2	129.9	136.9	141.8	144.5	144.1	141.9	140.6	138.2	137.5	139.5
20°	145.4	146.5	151.1	154.1	151.3	145.0	138.9	134.7	131.4	130.3	130.1
22.5°	163.3	164.7	169.7	168.1	161.1	149.5	138.4	131.7	127.7	126.5	126.0
25°	182.0	183.0	185.5	180.1	170.3	155.2	141.7	132.4	126.9	125.2	125.0
27.5°	197.1	198.1	196.9	190.8	176.5	161.7	146.3	135.2	128.1	126.4	125.6
30°	209.5	210.0	206.0	198.4	184.2	168.8	152.3	140.2	131.9	128.0	127.4
32.5°	223.4	223.0	215.4	204.9	190.8	175.3	159.1	145.8	135.5	130.7	129.9
35°	238.5	235.8	222.3	211.2	195.3	180.2	165.3	151.7	141.3	135.0	133.9
37.5°	252.1	249.2	231.2	216.3	199.7	184.1	170.2	159.3	150.2	144.4	143.9
40°	262.6	259.2	238.0	219.7	201.9	186.9	176.0	168.9	162.9	158.2	158.2
42.5°	271.1	267.3	244.6	223.6	203.9	191.2	185.6	183.1	181.9	179.3	180.2
45°	279.3	275.5	250.0	226.1	208.3	199.7	200.4	202.6	206.4	204.9	206.2
47.5°	287.1	283.3	256.2	230.1	216.8	214.8	218.9	227.4	234.8	240.6	244.7
50°	300.2	295.7	267.2	241.9	230.2	231.2	243.0	259.7	271.8	277.1	276.8
52.5°	325.0	318.6	290.9	264.0	249.3	255.0	268.9	289.9	305.7	309.8	311.5
55°	355.3	350.2	325.1	293.2	282.5	284.5	301.8	325.6	337.7	342.0	343.4
57.5°	373.0	371.7	356.0	324.4	314.1	313.3	335.9	355.3	365.8	369.9	368.6
59°	377.2	377.6	368.6	346.5	332.4	330.6	353.6	371.6	380.4	381.6	381.0
60°	376.8	379.0	377.9	358.6	343.9	341.7	361.1	378.2	385.6	387.5	385.3
62.5°	368.7	372.5	383.0	380.9	370.1	358.9	368.0	380.4	385.2	383.3	381.6
65°	350.3	355.3	369.8	387.9	377.5	355.8	339.8	341.2	348.4	343.7	346.0
67.5°	318.5	324.2	331.9	373.0	357.9	321.4	293.9	280.5	277.1	281.7	288.9
70°	259.1	262.8	282.3	340.4	314.3	264.2	229.7	211.8	205.8	216.3	223.7
72.5°	182.7	188.3	214.0	281.7	258.5	211.6	173.8	157.3	151.3	151.8	158.3
75°	111.2	118.7	149.5	222.7	203.8	162.1	132.5	120.6	118.8	117.7	116.6
77.5°	73.3	76.2	98.3	153.7	137.4	115.3	99.4	104.3	109.7	110.9	112.3
80°	49.7	50.6	63.7	107.8	90.5	85.2	80.4	91.8	102.2	104.0	103.0
82.5°	30.6	33.2	44.5	72.7	72.2	69.6	63.5	72.5	79.3	80.5	82.6
85°	10.6	11.1	27.3	64.2	73.3	74.1	52.3	41.3	46.4	45.6	32.7
87.5°	4.6	5.1	8.5	43.0	49.7	41.1	23.9	21.2	16.4	9.2	8.9
90°	0.3	0.3	0.2	0.4	1.2	0.8	0.7	0.2	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227171

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLL-8030-XXB

**CANDELA DISTRIBUTION (continued):**

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	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	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





REPORT NUMBER: P227171

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLL-8030-XXB

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5
2.5°	173.1	172.1	172.7	171.9	170.5	169.5	168.4	167.0	165.3	163.1	160.9
5°	183.1	182.3	180.4	177.5	173.6	170.3	166.4	161.7	157.9	152.9	148.3
7.5°	184.0	182.7	179.1	173.8	167.8	161.7	157.0	149.5	144.6	136.7	131.4
10°	176.1	176.2	172.6	167.6	161.3	154.1	147.4	139.1	132.0	124.0	115.1
12.5°	164.6	165.7	165.8	161.4	155.3	147.6	140.2	132.3	123.4	114.8	106.7
15°	151.4	154.6	154.8	153.7	150.5	144.0	137.2	130.1	121.0	111.7	102.5
17.5°	139.7	142.7	145.4	148.0	148.1	145.0	140.9	134.8	125.8	114.7	104.0
20°	130.8	134.0	138.7	143.4	148.5	150.1	150.4	146.5	136.9	123.4	108.9
22.5°	127.1	130.9	135.7	144.4	153.5	159.1	162.2	162.2	152.0	136.3	116.9
25°	126.3	129.4	136.7	147.6	159.7	169.4	175.4	179.4	172.1	152.9	126.9
27.5°	126.9	131.0	140.1	151.2	163.9	176.4	186.2	193.2	186.4	164.2	136.1
30°	129.1	135.3	144.7	156.1	169.2	182.4	194.3	203.2	198.2	174.6	144.8
32.5°	132.9	140.5	151.1	161.5	174.5	188.8	200.5	212.3	208.6	181.7	149.5
35°	138.7	147.6	157.2	167.7	180.1	194.5	207.0	222.3	221.0	190.7	154.1
37.5°	148.0	157.1	166.0	175.0	186.8	200.7	216.3	235.9	234.8	204.0	161.6
40°	164.3	169.7	176.3	182.0	193.1	206.4	223.1	247.0	251.0	215.4	168.2
42.5°	184.6	187.8	189.7	191.2	196.9	209.4	228.1	254.5	261.0	223.9	173.3
45°	210.5	209.6	205.8	202.2	201.6	211.2	230.4	260.0	268.8	232.2	178.5
47.5°	241.1	239.1	228.8	216.9	210.3	214.3	234.4	268.1	278.5	243.0	184.9
50°	276.5	271.7	254.8	234.8	222.6	223.2	244.5	279.4	291.3	257.2	197.0
52.5°	309.2	300.6	280.6	254.0	236.6	238.7	262.8	302.7	317.4	280.6	217.2
55°	338.1	327.1	305.4	276.4	260.6	264.3	292.0	333.5	347.5	308.6	237.7
57.5°	362.7	350.9	329.6	304.0	284.3	287.4	318.0	362.2	371.5	333.7	257.3
59°	373.8	362.3	342.6	319.0	300.6	307.0	336.4	376.4	380.4	343.4	264.7
60°	379.3	367.7	350.4	327.3	310.5	319.0	346.2	387.2	383.7	344.8	267.6
62.5°	378.9	370.8	359.3	343.6	340.5	354.7	377.9	401.1	386.0	340.7	269.4
65°	347.8	347.1	340.0	341.8	354.6	376.5	390.7	403.3	381.3	324.4	260.7
67.5°	290.1	293.0	293.9	305.0	335.0	372.2	384.7	387.1	360.8	289.5	233.5
70°	224.0	217.5	228.2	247.7	291.0	338.8	356.6	348.1	318.7	242.5	190.7
72.5°	158.6	160.5	175.7	201.2	245.2	294.7	322.6	276.2	239.8	181.5	135.2
75°	119.3	128.2	135.6	157.9	199.1	252.5	275.5	189.9	156.2	125.1	88.5
77.5°	114.4	113.6	108.0	112.7	143.5	176.8	196.5	118.5	97.8	81.8	53.4
80°	105.7	99.6	89.3	84.8	90.4	113.6	124.7	76.2	65.1	57.2	30.1
82.5°	82.0	77.9	67.1	66.7	75.4	80.7	85.8	54.0	49.0	46.4	18.5
85°	52.0	53.4	54.8	66.8	83.7	84.6	66.7	32.9	25.8	36.4	11.8
87.5°	15.4	25.1	30.5	51.7	75.4	75.6	50.2	10.8	9.7	11.3	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227171

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLL-8030-XXB

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	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	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



REPORT NUMBER: P227171

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLL-8030-XXB

**CANDELA DISTRIBUTION (continued):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5
2.5°	158.7	158.3	156.1	152.4	152.8	151.0	148.8	145.3	144.6	142.6	142.3
5°	144.3	140.6	135.8	130.0	127.8	124.8	121.7	119.5	116.8	114.3	117.7
7.5°	125.2	119.8	114.2	108.1	104.5	99.6	97.0	92.0	88.3	87.6	84.7
10°	109.2	102.4	96.0	90.5	83.9	79.3	76.0	73.3	70.8	67.7	65.8
12.5°	98.6	90.9	84.1	77.3	74.1	70.4	68.3	65.7	62.1	59.5	57.0
15°	93.8	85.5	78.1	72.1	67.5	64.0	60.4	57.2	53.3	50.4	47.5
17.5°	93.2	82.3	73.0	66.3	61.3	57.5	52.7	48.5	43.7	40.5	38.0
20°	93.9	80.0	68.2	59.5	54.5	47.7	43.2	38.1	33.4	29.1	25.3
22.5°	96.7	78.7	63.6	54.0	46.5	38.8	34.0	27.5	23.5	19.4	17.9
25°	100.6	77.9	59.6	47.9	38.5	30.9	24.3	18.9	17.1	16.1	15.5
27.5°	104.7	76.5	55.1	42.3	32.0	22.7	18.2	15.9	15.2	14.6	14.2
30°	107.7	73.7	49.6	36.4	25.5	19.4	16.2	14.7	14.2	13.6	13.2
32.5°	109.1	69.5	44.6	30.7	21.5	16.7	14.2	13.3	12.8	12.3	12.0
35°	108.8	64.7	42.1	28.5	19.7	14.8	12.4	11.9	11.3	10.7	10.2
37.5°	109.1	60.3	40.1	27.9	18.9	13.4	11.3	10.9	10.5	9.9	9.4
40°	110.0	57.8	39.2	26.8	18.3	12.8	10.5	10.1	10.0	9.4	9.0
42.5°	110.4	58.1	38.7	25.1	16.7	12.7	10.5	9.6	9.6	9.1	8.7
45°	109.9	59.8	39.0	24.2	15.5	11.9	11.0	9.6	9.4	9.0	8.5
47.5°	111.4	61.1	39.0	24.0	14.7	11.1	10.5	10.5	9.5	9.1	8.3
50°	117.2	62.3	38.2	23.8	14.5	10.3	9.9	10.4	10.7	9.2	8.4
52.5°	127.5	63.7	37.4	23.4	14.2	9.7	9.2	9.8	10.9	9.7	8.4
55°	138.0	66.4	36.8	22.7	13.7	9.3	8.3	9.4	10.0	9.6	8.3
57.5°	149.3	69.3	36.3	21.2	12.6	8.9	8.0	8.2	9.0	9.3	8.1
59°	152.7	70.8	35.8	20.1	11.6	8.6	7.8	7.6	8.0	8.9	7.9
60°	155.1	70.8	35.3	19.2	11.1	8.4	7.6	7.3	7.5	9.1	8.0
62.5°	155.4	70.8	33.5	17.2	10.0	8.1	7.4	7.0	6.8	7.6	8.2
65°	145.6	67.4	30.4	16.2	10.1	7.8	7.0	6.7	6.4	6.5	7.1
67.5°	127.3	58.9	27.1	16.4	10.6	7.6	6.7	6.4	6.1	6.0	6.2
70°	96.3	49.0	26.1	17.0	11.1	7.4	6.2	5.9	5.7	5.7	5.7
72.5°	66.7	40.3	25.1	17.4	11.5	7.3	5.7	5.4	5.4	5.3	5.3
75°	43.0	29.3	20.8	14.8	10.5	6.7	5.2	4.9	4.8	4.7	4.8
77.5°	25.4	20.5	15.3	10.4	7.6	5.4	4.5	4.2	4.2	4.2	4.3
80°	14.1	12.1	10.2	6.7	5.4	4.0	3.7	3.5	3.5	3.5	3.7
82.5°	8.4	6.7	5.7	4.2	3.7	2.8	2.8	2.6	2.7	2.8	2.9
85°	5.5	4.2	3.5	2.8	2.5	1.8	1.6	1.7	1.7	1.9	2.0
87.5°	3.1	2.4	1.9	1.7	1.5	0.8	0.6	0.6	0.8	0.9	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227171  
 CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLL-8030-XXB

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°



NUMBER: P227171  
 NUMBER: ISW-AF-XXX-LED-E1-SLL-8030-XXB

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

160°	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°		160°
154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	110°	0.0
143.4	141.1	138.7	136.9	137.6	135.0	135.3	134.6	134.3	134.1	132.5	112.5°	0.0
113.6	114.4	110.8	111.2	112.3	109.6	107.8	110.8	110.4	107.7	109.2	115°	0.0
81.8	82.1	80.4	76.7	76.7	78.7	79.4	80.8	81.8	85.1	83.0	117.5°	0.0
62.6	60.4	58.7	57.1	56.1	54.1	54.6	56.3	57.5	59.3	60.8	120°	0.0
54.4	51.9	49.0	46.5	45.2	43.4	42.2	41.8	42.2	41.0	41.1	122.5°	0.0
45.2	43.0	39.7	38.4	35.9	34.5	33.7	32.7	31.9	30.2	29.5	125°	0.0
35.0	32.1	28.8	28.8	27.0	25.8	25.5	25.3	24.8	23.9	23.1	127.5°	0.0
23.3	21.4	19.5	18.6	18.7	18.6	18.1	18.9	18.9	19.2	19.0	130°	0.0
17.0	16.7	16.0	15.4	15.1	15.0	15.1	15.3	15.8	16.2	16.6	132.5°	0.0
15.3	15.1	14.5	13.9	13.9	13.7	13.7	13.9	14.0	14.1	14.0	135°	0.0
14.2	13.9	13.3	12.9	12.7	12.7	12.7	12.5	12.4	12.4	12.4	137.5°	0.0
12.8	12.6	12.0	11.7	11.6	11.6	11.4	11.3	11.2	11.3	11.2	140°	0.0
11.8	11.5	10.9	10.5	10.5	10.5	10.5	10.5	10.4	10.3	10.3	142.5°	0.0
9.9	9.8	9.3	9.1	9.2	9.4	9.4	9.4	9.5	9.4	9.4	145°	0.0
9.2	9.1	8.6	8.2	8.1	8.1	8.1	8.3	8.5	8.6	8.7	147.5°	0.0
8.7	8.7	8.1	7.8	7.6	7.6	7.5	7.5	7.6	7.9	8.1	150°	0.0
8.4	8.3	7.7	7.3	7.2	7.2	7.1	7.1	7.1	7.2	7.4	152.5°	0.0
8.3	8.0	7.4	7.0	6.8	6.8	6.8	6.8	6.8	6.8	6.8	155°	0.0
8.0	7.9	7.2	6.8	6.6	6.6	6.5	6.5	6.5	6.4	6.4	157.5°	0.0
7.9	7.7	7.1	6.6	6.5	6.4	6.3	6.4	6.2	6.1	6.1	160°	0.0
7.8	7.5	6.8	6.4	6.3	6.1	6.1	6.1	6.1	5.9	5.9	162.5°	0.0
7.7	7.3	6.6	6.2	6.1	5.9	5.8	5.8	6.0	5.8	5.8	165°	0.0
7.6	7.1	6.4	5.9	5.8	5.7	5.6	5.7	5.9	5.7	5.7	167.5°	0.0
7.3	6.9	6.2	5.8	5.7	5.5	5.4	5.5	5.7	5.7	5.7	170°	0.0
7.2	6.8	6.1	5.7	5.6	5.4	5.4	5.4	5.6	5.6	5.5	172.5°	0.0
6.9	6.6	5.9	5.4	5.3	5.3	5.2	5.2	5.3	5.3	5.4	175°	0.0
6.6	6.5	5.7	5.2	5.1	5.0	5.0	5.0	5.0	5.2	5.2	177.5°	0.0
6.3	6.2	5.5	5.0	4.9	4.9	4.9	4.9	4.9	5.0	5.0	180°	0.0
5.8	5.8	5.2	4.7	4.6	4.6	4.6	4.6	4.6	4.6	4.7		
5.4	5.4	4.8	4.3	4.2	4.2	4.2	4.2	4.3	4.3	4.4		
4.9	5.0	4.3	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.0		
4.4	4.4	3.7	3.2	3.3	3.4	3.5	3.4	3.4	3.5	3.7		
3.8	3.7	3.1	2.7	2.7	2.8	2.9	2.8	2.9	2.9	3.2		
3.0	3.0	2.4	2.0	2.0	2.3	2.3	2.3	2.4	2.4	2.7		
2.3	2.2	1.7	1.3	1.3	1.6	1.7	1.7	1.8	1.9	2.0		
1.3	1.3	0.9	0.6	0.6	0.7	0.9	0.9	0.9	1.1	1.3		
0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'227171  
 ISW-AF-XXX-LED-E1-SLL-8030-XXB

REPORT NUMBER: P227171  
 CATALOG NUMBER: ISW-AF-X

**TION (continued):**

**CANDELA DISTRIBUTION (con**

165°	170°	175°	180°	185°	190°	195°	200°	205°	210°		215°	220°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	154.5	154.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	133.9	133.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	109.9	109.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	85.2	87.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	61.4	63.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	42.7	43.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	29.4	31.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	22.9	23.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	18.9	19.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	16.8	17.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	14.1	14.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	12.4	12.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	11.4	11.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	10.4	10.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	9.5	9.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	8.9	9.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	8.3	8.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	7.6	7.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	6.8	6.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	6.4	6.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	6.1	6.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	5.9	6.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	5.8	6.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	5.8	5.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	5.7	5.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	5.7	5.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	5.5	5.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	5.4	5.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	5.1	5.4
										70°	4.9	5.1
										72.5°	4.6	4.9
										75°	4.2	4.5
										77.5°	3.9	4.1
										80°	3.4	3.5
										82.5°	2.8	2.8
										85°	2.1	1.9
										87.5°	1.2	1.3
										90°	0.0	0.0
										92.5°	0.0	0.0
										95°	0.0	0.0
										97.5°	0.0	0.0
										100°	0.0	0.0
										102.5°	0.0	0.0
										105°	0.0	0.0
										107.5°	0.0	0.0



REPORT NUMBER: P227171

CATALOG NUMBER: ISW-AF-XXX-LED-E1-

XX-LED-E1-SLL-8030-XXB

**tinued):**

**CANDELA DISTRIBUTION (continued):**

225°	230°	235°	240°	245°	250°	255°	260°	265°		215°	220°	225°
154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	110°	0.0	0.0	0.0
132.1	132.1	134.5	134.7	132.0	132.7	134.0	132.5	134.2	112.5°	0.0	0.0	0.0
110.9	109.9	110.0	109.4	110.5	109.2	110.6	110.1	109.7	115°	0.0	0.0	0.0
86.1	87.8	86.6	84.3	86.1	84.7	82.0	82.2	79.3	117.5°	0.0	0.0	0.0
64.7	63.5	62.9	61.8	58.9	59.4	56.4	56.9	57.9	120°	0.0	0.0	0.0
44.6	43.8	44.8	44.1	42.9	43.1	43.8	44.4	46.0	122.5°	0.0	0.0	0.0
31.3	30.9	30.7	31.2	32.5	33.2	34.2	36.1	37.1	125°	0.0	0.0	0.0
23.5	23.6	23.4	24.1	25.2	25.7	26.0	26.1	27.2	127.5°	0.0	0.0	0.0
19.4	19.8	19.7	19.9	19.6	19.3	19.5	19.0	18.7	130°	0.0	0.0	0.0
17.0	17.1	16.7	16.6	16.1	15.7	15.4	15.4	15.3	132.5°	0.0	0.0	0.0
14.4	14.5	14.1	14.1	14.0	14.2	14.1	13.8	13.7	135°	0.0	0.0	0.0
12.9	12.7	12.5	12.5	12.4	12.4	12.4	12.5	12.4	137.5°	0.0	0.0	0.0
11.6	11.4	11.3	11.4	11.3	11.4	11.5	11.4	11.5	140°	0.0	0.0	0.0
10.6	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	142.5°	0.0	0.0	0.0
9.8	9.7	9.7	9.7	9.6	9.4	9.3	9.1	8.8	145°	0.0	0.0	0.0
9.2	9.1	9.0	8.9	8.7	8.2	8.0	8.0	8.0	147.5°	0.0	0.0	0.0
8.7	8.5	8.4	8.1	7.8	7.6	7.6	7.6	7.6	150°	0.0	0.0	0.0
7.9	7.7	7.6	7.5	7.4	7.4	7.3	7.3	7.3	152.5°	0.0	0.0	0.0
7.1	7.0	7.0	7.1	7.1	7.1	7.1	7.0	7.1	155°	0.0	0.0	0.0
6.5	6.5	6.6	6.7	6.8	6.8	6.9	6.8	6.9	157.5°	0.0	0.0	0.0
6.3	6.3	6.3	6.5	6.5	6.6	6.8	6.8	6.8	160°	0.0	0.0	0.0
6.1	6.1	6.2	6.3	6.4	6.5	6.5	6.6	6.7	162.5°	0.0	0.0	0.0
6.1	6.1	6.1	6.1	6.2	6.4	6.5	6.5	6.5	165°	0.0	0.0	0.0
6.1	6.1	6.1	6.1	6.2	6.3	6.2	6.3	6.4	167.5°	0.0	0.0	0.0
6.1	6.1	6.0	6.1	6.1	6.2	6.1	6.1	6.3	170°	0.0	0.0	0.0
6.0	6.1	6.0	6.0	6.1	6.1	6.1	6.1	6.2	172.5°	0.0	0.0	0.0
5.8	5.9	5.8	5.9	5.9	6.0	6.0	6.0	6.1	175°	0.0	0.0	0.0
5.7	5.7	5.7	5.7	5.7	5.8	5.8	5.9	5.8	177.5°	0.0	0.0	0.0
5.5	5.5	5.5	5.6	5.6	5.7	5.7	5.7	5.7	180°	0.0	0.0	0.0
5.4	5.3	5.2	5.3	5.4	5.4	5.4	5.4	5.4				
5.1	5.0	5.0	5.0	5.0	5.0	5.1	5.0	5.0				
4.7	4.7	4.6	4.6	4.6	4.6	4.6	4.6	4.5				
4.2	4.2	4.1	4.1	4.1	4.1	4.0	4.0	4.0				
3.5	3.6	3.6	3.5	3.5	3.5	3.5	3.4	3.3				
2.7	2.8	2.9	2.9	2.9	2.9	2.9	2.8	2.6				
1.9	2.1	2.4	2.4	2.3	2.3	2.3	2.0	1.8				
1.2	1.4	1.5	1.7	1.4	1.3	1.3	1.2	1.1				
0.0	0.0	0.2	0.1	0.2	0.2	0.3	0.2	0.1				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				



REPORT NUMBER: P227171

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLL-8030-

-SLL-8030-XXB

**CANDELA DISTRIBUTION (continued):**

230°	235°	240°	245°	250°	255°	260°	265°		270°	275°	280°	285°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	154.5	154.5	154.5	154.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	132.7	135.6	136.0	136.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	109.1	112.0	110.3	111.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	79.6	77.8	80.2	81.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	58.2	60.4	61.3	63.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	48.2	49.7	51.4	54.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	39.1	40.1	42.3	45.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	28.5	30.0	31.4	33.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	19.1	19.8	21.5	22.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	15.3	15.6	15.9	16.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	13.8	13.9	14.2	14.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	12.5	12.6	12.8	13.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	11.4	11.3	11.4	11.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	10.2	10.2	10.4	10.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	8.8	8.7	8.9	9.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	8.1	8.2	8.3	8.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	7.7	7.8	7.9	8.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	7.3	7.5	7.6	7.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	7.1	7.2	7.5	7.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	7.0	7.2	7.4	7.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	6.8	7.1	7.3	7.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	6.8	7.0	7.2	7.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	6.6	6.8	7.1	7.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	6.5	6.6	6.9	7.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	6.4	6.5	6.8	7.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	6.2	6.5	6.8	7.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	6.1	6.3	6.6	7.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	5.8	6.1	6.5	6.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	5.7	5.8	6.1	6.5
								70°	5.4	5.5	5.7	6.0
								72.5°	5.0	5.0	5.2	5.4
								75°	4.4	4.5	4.6	4.8
								77.5°	3.9	3.9	3.9	4.2
								80°	3.2	3.2	3.3	3.5
								82.5°	2.4	2.4	2.6	2.8
								85°	1.7	1.7	1.9	2.0
								87.5°	1.0	0.9	1.0	1.0
								90°	0.1	0.2	0.2	0.2
								92.5°	0.0	0.0	0.0	0.0
								95°	0.0	0.0	0.0	0.0
								97.5°	0.0	0.0	0.0	0.0
								100°	0.0	0.0	0.0	0.0
								102.5°	0.0	0.0	0.0	0.0
								105°	0.0	0.0	0.0	0.0
								107.5°	0.0	0.0	0.0	0.0







REPORT NUMBER: P227171

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLL-8030-XXB

**CANDELA DISTRIBUTION (continued):**

295°	300°	305°	310°	315°	320°		325°	330°	335°	340°	345°	350°
0.0	0.0	0.0	0.0	0.0	0.0	0°	154.5	154.5	154.5	154.5	154.5	154.5
0.0	0.0	0.0	0.0	0.0	0.0	2.5°	145.4	147.5	150.7	151.3	153.9	155.7
0.0	0.0	0.0	0.0	0.0	0.0	5°	123.2	128.1	129.9	133.2	139.1	142.1
0.0	0.0	0.0	0.0	0.0	0.0	7.5°	101.7	105.4	109.6	115.0	119.3	124.4
0.0	0.0	0.0	0.0	0.0	0.0	10°	83.7	88.9	94.4	98.8	104.8	111.0
0.0	0.0	0.0	0.0	0.0	0.0	12.5°	74.3	77.2	82.6	88.8	96.3	103.2
0.0	0.0	0.0	0.0	0.0	0.0	15°	69.4	72.9	78.6	85.2	93.3	101.8
0.0	0.0	0.0	0.0	0.0	0.0	17.5°	63.4	68.9	75.4	84.8	95.2	107.0
0.0	0.0	0.0	0.0	0.0	0.0	20°	57.4	64.1	72.6	85.1	99.5	114.8
0.0	0.0	0.0	0.0	0.0	0.0	22.5°	52.1	60.0	70.9	86.5	104.9	125.4
0.0	0.0	0.0	0.0	0.0	0.0	25°	45.9	56.5	69.6	89.4	113.2	139.5
0.0	0.0	0.0	0.0	0.0	0.0	27.5°	40.9	53.1	67.6	91.9	120.9	153.2
0.0	0.0	0.0	0.0	0.0	0.0	30°	35.4	49.2	64.8	92.8	130.2	164.3
0.0	0.0	0.0	0.0	0.0	0.0	32.5°	31.0	45.5	61.7	92.0	134.3	172.1
0.0	0.0	0.0	0.0	0.0	0.0	35°	28.9	42.8	59.0	89.2	137.8	180.5
0.0	0.0	0.0	0.0	0.0	0.0	37.5°	27.5	39.9	56.4	84.7	141.7	188.9
0.0	0.0	0.0	0.0	0.0	0.0	40°	25.7	37.6	54.3	81.4	144.8	195.8
0.0	0.0	0.0	0.0	0.0	0.0	42.5°	24.0	35.6	52.7	78.5	145.6	202.0
0.0	0.0	0.0	0.0	0.0	0.0	45°	22.6	34.3	51.4	78.6	146.1	210.7
0.0	0.0	0.0	0.0	0.0	0.0	47.5°	21.5	33.1	50.9	81.3	152.0	222.7
0.0	0.0	0.0	0.0	0.0	0.0	50°	20.5	32.1	50.1	86.5	161.3	239.0
0.0	0.0	0.0	0.0	0.0	0.0	52.5°	19.3	30.7	49.1	91.8	171.6	260.8
0.0	0.0	0.0	0.0	0.0	0.0	55°	17.7	28.8	48.0	96.3	185.5	287.3
0.0	0.0	0.0	0.0	0.0	0.0	57.5°	15.3	26.6	47.3	98.6	194.1	302.6
0.0	0.0	0.0	0.0	0.0	0.0	59°	14.0	24.5	46.9	97.5	196.4	305.2
0.0	0.0	0.0	0.0	0.0	0.0	60°	13.3	23.2	46.3	96.2	197.0	303.5
0.0	0.0	0.0	0.0	0.0	0.0	62.5°	12.4	20.2	43.7	89.5	188.2	283.6
0.0	0.0	0.0	0.0	0.0	0.0	65°	12.6	19.1	37.8	76.2	167.9	244.5
0.0	0.0	0.0	0.0	0.0	0.0	67.5°	12.9	18.7	32.7	61.5	133.9	202.3
						70°	12.7	18.4	29.7	49.0	100.3	151.5
						72.5°	12.4	17.4	25.7	39.4	63.6	106.1
						75°	10.9	14.6	20.2	27.0	40.1	77.3
						77.5°	8.6	11.3	14.3	16.8	20.4	54.5
						80°	6.3	8.2	9.4	10.1	11.3	37.2
						82.5°	4.5	5.5	6.0	6.4	7.6	27.9
						85°	3.4	3.9	4.2	4.2	5.1	19.7
						87.5°	1.9	2.0	2.0	2.1	2.5	5.4
						90°	0.6	0.6	0.5	0.6	0.4	0.3
						92.5°	0.0	0.0	0.0	0.0	0.0	0.0
						95°	0.0	0.0	0.0	0.0	0.0	0.0
						97.5°	0.0	0.0	0.0	0.0	0.0	0.0
						100°	0.0	0.0	0.0	0.0	0.0	0.0
						102.5°	0.0	0.0	0.0	0.0	0.0	0.0
						105°	0.0	0.0	0.0	0.0	0.0	0.0
						107.5°	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P227171  
 CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLL-8030-XXB

**CANDELA DISTRIBUTION (continued):**

355°	359°	360°		325°	330°	335°	340°	345°	350°	355°
154.5	154.5	154.5	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.8	159.0	159.9	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146.7	149.6	150.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.1	134.8	136.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.9	123.0	124.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111.2	117.2	119.1	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111.4	118.5	121.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.6	126.8	130.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131.0	142.9	145.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.9	159.5	163.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163.7	179.1	182.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179.3	194.5	197.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
191.3	207.3	209.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
202.9	220.9	223.4	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
215.8	235.7	238.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
227.4	250.3	252.1	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.4	262.2	262.6	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250.9	271.0	271.1	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
261.1	279.2	279.3	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
271.8	288.3	287.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
288.8	299.0	300.2	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
314.5	323.6	325.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
344.4	357.1	355.3	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
357.1	371.5	373.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
354.9	374.7	377.2	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
351.6	373.7	376.8	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
332.4	363.9	368.7	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>300.1</b>	<b>343.5</b>	<b>350.3</b>	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
258.6	313.1	318.5	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
201.8	254.4	259.1								
134.1	174.7	182.7								
85.2	112.7	111.2								
62.9	73.3	73.3								
45.6	50.3	49.7								
35.3	30.7	30.6								
12.4	10.9	10.6								
5.4	4.5	4.6								
0.2	0.2	0.3								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								

