

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: P227320

Luminaire Tested: **ISW-AF-350-LED-E1-SLR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227320
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-350-LED-E1-SLR
Description: IMPACT ELITE LED WEDGE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2203.9 lumens
Efficiency: N/A
Efficacy: 109.7 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 - U1 - G1

Input Watts (W): 20.09
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

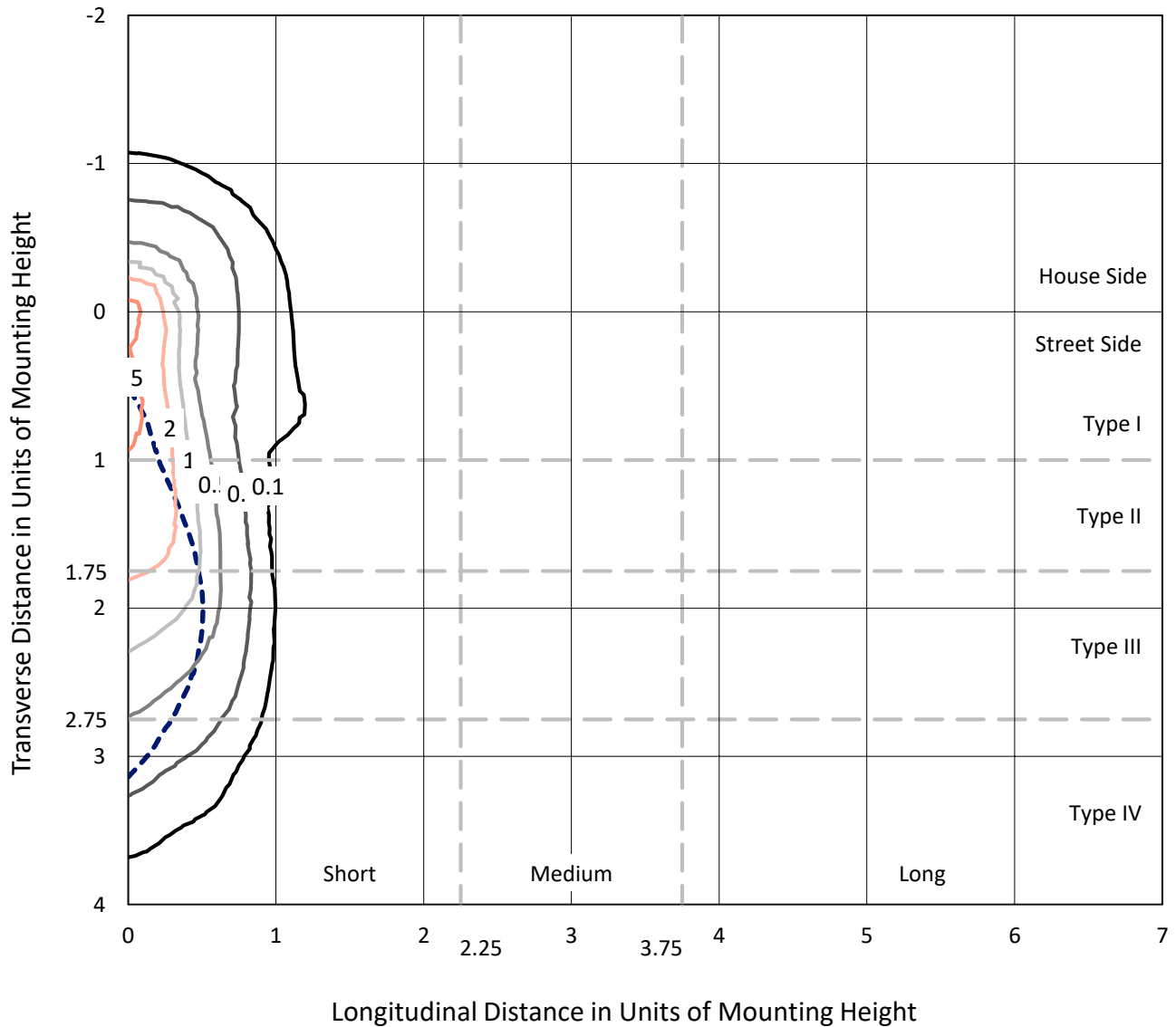


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

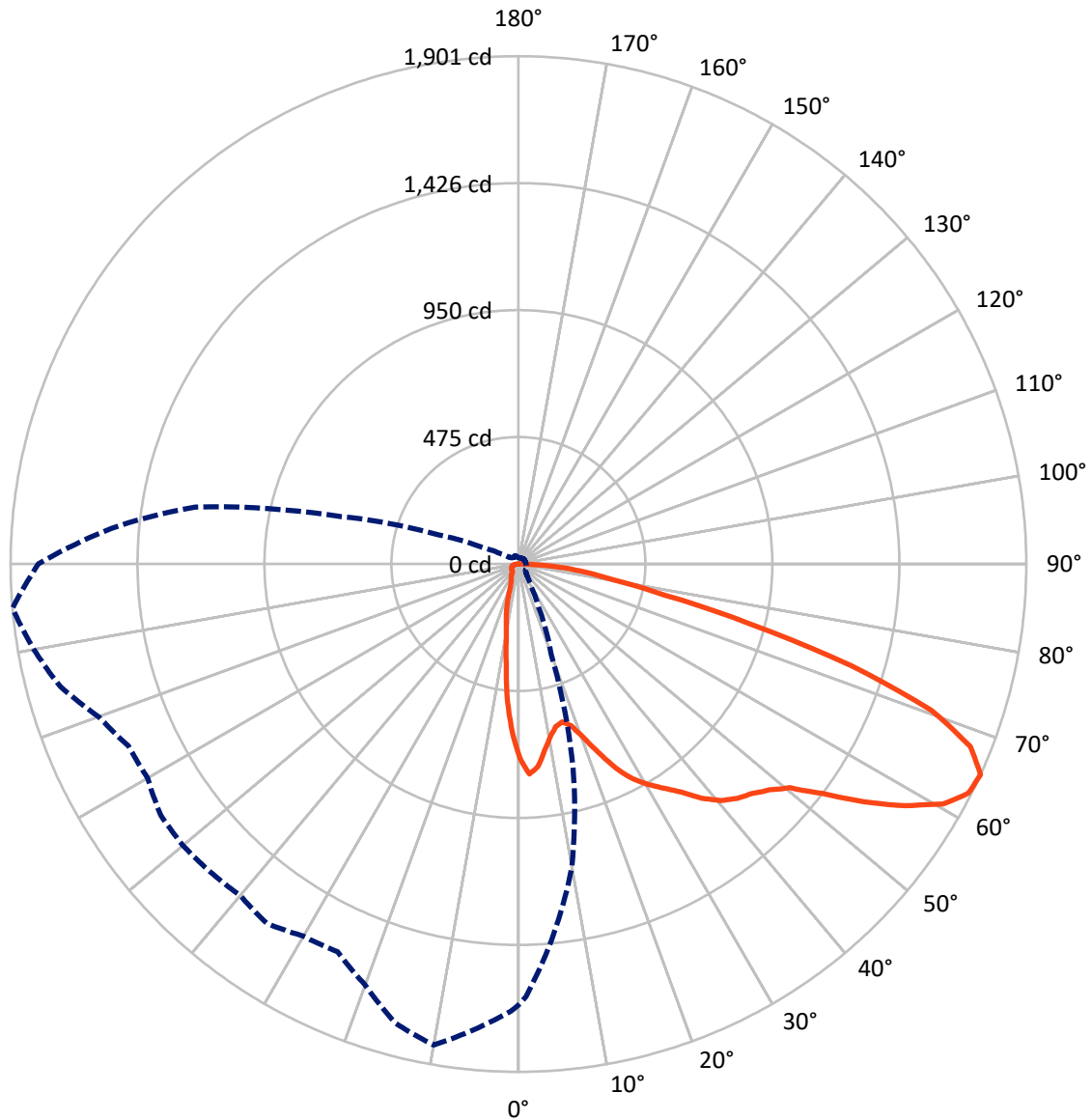


Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	378.0	0.0	378.0
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	1825.8	0.1	1825.9
	% Fixture	82.8	0.0	82.8
Total	Lumens	2203.8	0.1	2203.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.9	2.4
10°-20°	103.8	4.7
20°-30°	148.0	6.7
30°-40°	214.7	9.7
40°-50°	307.1	13.9
50°-60°	471.6	21.4
60°-70°	545.8	24.8
70°-80°	278.5	12.6
80°-90°	80.4	3.6
90°-100°	0.1	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°	2203.8	100.0
0°-180°	2203.9	100.0



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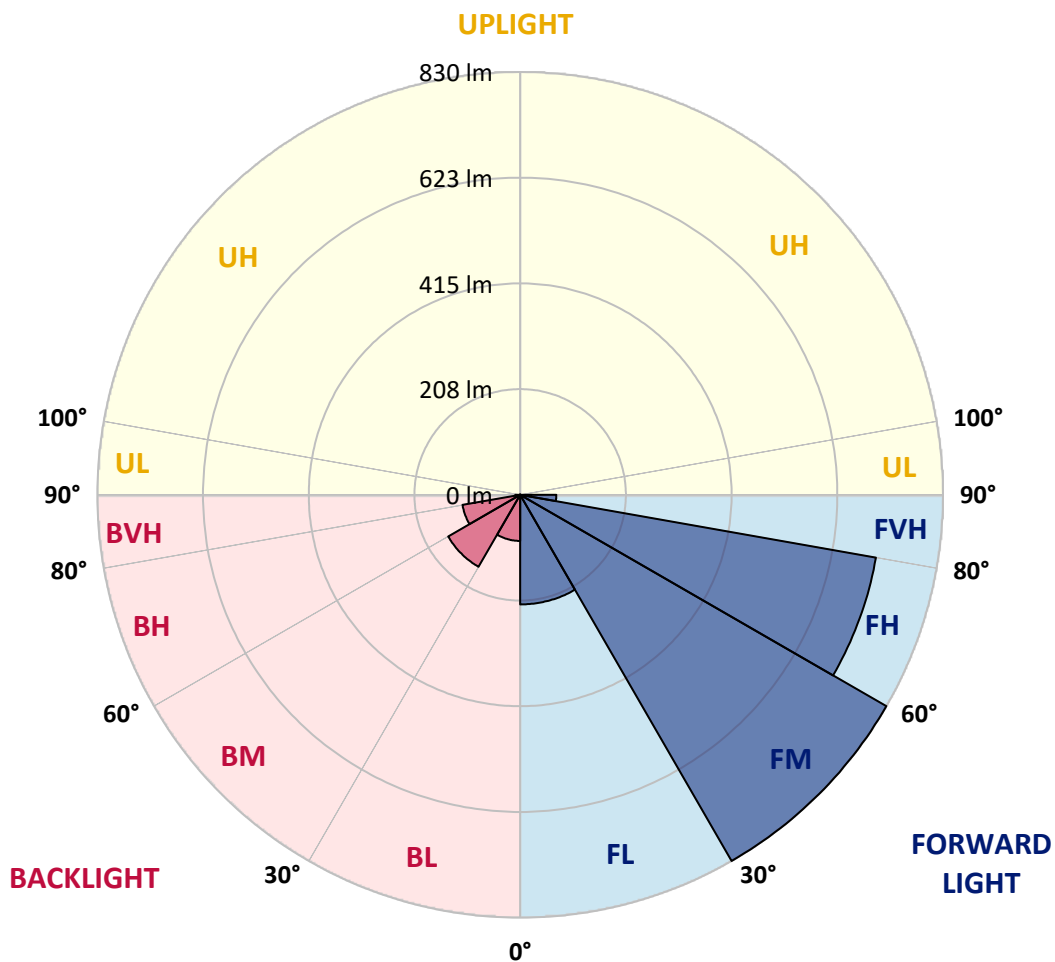
CATALOG NUMBER: ISW-AF-350-LED-E1-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	215.2	9.8			
FM	(30°-60°)	830.2	37.7			
FH	(60°-80°)	709.3	32.2			G1/1800
FVH	(80°-90°)	71.0	3.2			G1/100
BL	(0°-30°)	90.5	4.1	B0/110		
BM	(30°-60°)	163.2	7.4	B0/220		
BH	(60°-80°)	115.0	5.2	B1/500		G1/500
BVH	(80°-90°)	9.3	0.4			G0/10
UL	(90°-100°)	0.1	0.0		U1/10	
UH	(100°-180°)	0.0	0.0		U1/10	

BUG Rating: B1-U1-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0
2.5°	753.7	749.2	743.7	734.0	725.5	713.2	710.2	695.1	685.4	687.6	670.2
5°	707.7	705.1	691.4	669.8	655.7	627.9	612.0	603.8	580.8	577.9	571.5
7.5°	643.1	635.4	613.1	586.4	562.3	541.9	516.3	496.6	479.3	468.4	449.5
10°	587.9	579.7	555.6	522.9	494.1	465.4	444.7	419.1	394.2	375.0	359.8
12.5°	561.2	552.3	524.1	486.2	454.0	418.4	389.0	363.9	350.2	340.4	327.9
15°	571.5	558.5	524.9	479.6	439.6	401.7	370.5	343.4	327.1	312.3	297.5
17.5°	613.5	597.5	558.9	504.4	448.8	399.9	355.4	324.6	298.6	276.3	256.2
20°	685.4	673.5	617.6	541.1	468.8	401.0	342.4	301.9	270.4	242.2	215.5
22.5°	769.7	751.9	696.9	590.9	494.4	407.6	334.2	282.9	245.5	207.7	178.8
25°	857.8	844.1	771.5	657.7	533.8	421.4	327.9	266.3	216.3	174.3	142.4
27.5°	929.1	916.9	845.0	721.8	569.7	433.2	318.6	250.3	192.8	142.4	107.2
30°	987.4	976.9	901.6	774.5	613.5	437.3	305.7	231.8	166.9	115.0	88.7
32.5°	1052.6	1041.2	956.2	811.2	633.1	433.6	290.8	214.4	146.2	101.6	76.0
35°	1124.2	1110.8	1017.0	850.9	649.5	420.6	278.1	201.7	136.2	92.4	67.5
37.5°	1188.0	1179.5	1072.0	890.2	668.0	399.1	266.0	188.0	129.4	85.7	60.9
40°	1237.7	1235.5	1132.7	922.8	682.4	383.5	255.9	177.3	120.9	83.1	58.6
42.5°	1277.8	1277.1	1182.4	952.1	686.2	369.8	248.2	167.7	113.1	76.8	59.7
45°	1316.3	1315.9	1230.6	992.9	688.8	370.5	242.2	161.7	106.5	72.7	56.4
47.5°	1353.1	1358.6	1281.1	1049.6	716.2	383.1	240.0	156.1	101.3	68.2	53.4
50°	1414.6	1409.0	1360.8	1126.5	760.4	407.6	236.3	151.3	96.5	64.1	50.4
52.5°	1531.5	1525.1	1482.2	1229.2	808.5	432.8	231.5	144.6	90.8	59.7	47.1
55°	1674.3	1682.8	1623.1	1354.2	874.2	454.0	226.3	135.7	83.5	54.5	44.9
57.5°	1758.0	1751.0	1682.8	1426.1	914.6	464.7	222.9	125.4	71.9	50.0	42.7
59°	1777.8	1765.8	1672.7	1438.4	925.4	459.5	221.1	115.4	66.0	47.9	41.5
60°	1775.8	1761.4	1656.8	1430.6	928.3	453.3	218.1	109.5	62.7	46.7	41.1
62.5°	1737.7	1715.1	1566.3	1336.4	886.8	421.8	205.8	95.3	58.2	45.2	39.0
65°	1650.8	1619.0	1414.2	1152.4	791.5	359.1	178.0	90.1	59.3	44.5	37.4
67.5°	1501.1	1475.4	1218.7	953.6	631.0	290.0	154.0	87.9	60.9	45.2	35.2
70°	1221.0	1199.1	951.0	714.0	472.5	230.7	139.8	86.7	59.7	43.4	33.3
72.5°	861.2	823.4	632.0	500.0	299.7	185.5	121.3	81.9	58.2	41.9	30.4
75°	524.1	531.1	401.7	364.3	189.1	127.3	95.3	68.9	51.6	37.4	27.4
77.5°	345.7	345.3	296.3	257.1	96.1	79.0	67.5	53.0	40.4	30.8	23.7
80°	234.5	237.0	215.1	175.4	53.4	47.5	44.1	38.6	29.7	23.3	19.6
82.5°	144.2	144.6	166.5	131.3	35.6	30.1	28.2	26.0	21.2	18.2	15.2
85°	50.0	51.1	58.2	92.7	24.1	19.6	19.6	18.2	16.0	12.3	10.0
87.5°	21.5	21.2	25.3	25.3	11.9	10.0	9.3	9.3	8.9	6.6	5.5
90°	1.5	1.1	1.1	1.5	1.8	2.6	2.3	2.6	2.6	2.3	1.5
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



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CATALOG NUMBER: ISW-AF-350-LED-E1-SLR

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



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CATALOG NUMBER: ISW-AF-350-LED-E1-SLR

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0
2.5°	665.0	660.9	649.5	646.5	650.2	642.8	640.9	639.0	625.3	632.4	624.2
5°	556.0	554.8	531.5	536.3	531.5	523.3	520.0	527.8	514.0	517.0	518.9
7.5°	427.3	422.8	407.2	396.9	390.6	385.0	378.0	366.4	375.3	373.5	387.6
10°	346.8	337.2	327.5	313.0	304.8	297.1	289.0	284.5	274.0	273.0	268.1
12.5°	317.8	304.1	292.0	279.3	270.8	255.2	242.2	234.1	227.4	217.0	209.2
15°	279.3	267.8	251.9	239.6	226.3	212.2	199.6	189.1	184.3	174.7	170.2
17.5°	240.4	222.9	203.7	191.4	172.9	158.4	148.0	141.3	134.3	128.4	123.2
20°	193.6	170.9	150.2	134.6	120.2	106.1	101.3	93.1	90.1	87.9	89.7
22.5°	147.2	123.9	102.4	90.5	82.8	79.0	74.9	73.4	72.3	71.9	72.7
25°	107.9	88.3	77.8	73.4	70.5	68.2	66.8	65.7	65.0	64.5	65.0
27.5°	83.5	73.0	67.9	65.0	62.7	61.2	60.5	59.3	59.0	58.6	59.0
30°	72.3	66.8	63.0	60.0	57.5	54.9	53.8	53.4	53.8	54.1	53.8
32.5°	63.0	59.0	54.9	52.3	50.4	49.0	49.0	48.2	48.2	49.3	49.7
35°	57.1	53.0	50.0	46.7	44.5	43.1	41.9	41.1	41.5	41.5	42.7
37.5°	52.3	49.3	46.7	43.8	41.5	40.1	39.3	38.6	38.2	37.8	37.8
40°	49.0	47.1	44.9	41.9	39.7	38.2	37.4	36.7	36.3	36.0	36.0
42.5°	49.0	45.2	43.8	41.1	38.6	37.1	36.0	35.2	34.5	34.5	34.5
45°	53.8	46.3	43.8	40.8	38.2	36.3	35.2	34.2	33.3	33.3	33.0
47.5°	52.3	52.0	44.5	40.8	38.6	36.3	34.9	33.8	33.0	32.6	32.2
50°	49.7	54.1	49.7	41.9	38.6	36.0	34.5	33.3	32.2	31.9	31.9
52.5°	48.2	50.4	51.6	43.4	39.0	36.0	34.2	33.0	32.2	31.5	31.2
55°	44.5	47.5	49.3	42.7	39.0	35.2	33.3	32.2	31.2	30.8	30.4
57.5°	40.8	43.1	47.5	42.7	37.8	34.9	32.6	31.2	30.4	30.1	29.7
59°	39.7	39.7	42.2	43.8	37.1	34.5	32.2	30.8	30.1	29.7	28.9
60°	38.6	38.6	40.1	44.9	36.7	34.2	31.9	30.4	29.3	29.3	28.9
62.5°	37.1	36.0	36.7	41.9	35.6	33.3	31.2	29.7	28.5	28.5	28.2
65°	35.2	33.8	33.8	34.9	33.3	31.9	30.4	28.9	27.4	27.4	27.8
67.5°	33.3	31.9	31.5	31.5	30.8	30.4	28.9	27.4	26.7	26.7	26.7
70°	30.8	29.7	29.3	28.5	28.5	28.2	27.1	26.0	25.3	25.6	25.3
72.5°	27.8	27.1	26.3	26.3	26.0	25.6	24.4	23.7	23.3	23.7	23.7
75°	24.9	23.7	23.7	23.0	23.0	22.6	21.5	21.2	20.8	21.2	21.5
77.5°	21.2	20.4	20.0	20.0	20.0	20.0	18.5	18.2	18.2	18.9	18.9
80°	17.4	17.1	16.7	16.7	16.7	16.4	15.5	15.2	15.2	15.5	16.0
82.5°	13.4	12.6	12.6	13.0	13.4	13.4	12.3	11.5	11.5	12.3	13.0
85°	8.9	8.9	8.9	9.3	9.3	9.6	8.9	7.8	8.2	8.5	9.6
87.5°	4.8	5.2	4.8	4.5	5.2	4.8	4.8	4.5	4.8	5.2	5.5
90°	1.5	1.5	1.1	0.7	0.4	0.7	0.7	1.1	0.4	0.4	0.7
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: P227320

CATALOG NUMBER: ISW-AF-350-LED-E1-SLR

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: P227320

CATALOG NUMBER: ISW-AF-350-LED-E1-SLR

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0
2.5°	631.7	625.3	622.0	634.9	633.9	622.8	622.8	630.5	631.0	624.2	632.0
5°	521.1	514.9	520.8	515.6	518.5	518.1	522.6	514.4	517.8	514.9	507.8
7.5°	386.5	399.1	405.8	397.2	408.0	413.6	405.8	413.6	401.3	391.3	401.0
10°	266.0	280.0	277.4	291.1	296.3	299.3	304.8	297.9	289.3	286.7	279.7
12.5°	206.2	203.3	202.1	207.7	211.0	206.2	210.3	205.8	201.4	193.6	193.2
15°	161.3	156.5	153.1	146.9	144.6	145.8	147.6	147.6	138.7	139.1	142.4
17.5°	122.4	121.3	118.7	113.4	110.2	111.3	110.9	109.0	107.9	108.6	112.7
20°	92.0	90.8	92.4	93.8	92.7	93.1	91.7	89.7	89.0	89.7	90.5
22.5°	72.7	74.2	76.0	78.3	78.7	80.5	80.1	80.5	79.0	78.3	76.4
25°	66.4	67.1	66.0	66.4	66.4	68.2	67.9	67.9	66.4	66.0	66.4
27.5°	58.6	58.2	58.2	59.0	59.0	60.0	60.9	60.0	58.6	58.2	58.6
30°	54.1	53.8	53.4	53.8	53.4	53.8	54.5	54.5	53.8	52.7	53.0
32.5°	49.7	49.7	49.3	49.7	49.3	49.3	50.0	49.0	49.0	48.6	48.6
35°	43.8	44.5	45.2	45.6	45.6	45.6	46.3	45.2	44.9	44.5	44.5
37.5°	37.8	38.6	40.8	41.9	42.2	43.1	43.4	42.7	41.9	41.1	40.4
40°	36.0	36.0	36.7	38.2	39.7	40.1	40.8	39.7	39.3	38.2	37.1
42.5°	34.5	34.9	34.9	35.2	35.6	36.3	37.4	36.3	35.6	34.9	33.8
45°	33.3	33.3	33.3	33.3	33.0	33.0	33.3	32.6	32.2	31.9	31.9
47.5°	32.6	32.2	31.9	31.5	31.2	30.8	30.8	30.1	30.1	30.1	30.1
50°	31.9	31.2	30.8	30.4	29.7	29.7	29.7	28.9	28.5	28.5	28.9
52.5°	30.8	30.4	30.1	29.7	29.3	28.9	28.9	28.2	27.8	27.8	27.8
55°	30.4	30.1	29.3	28.9	28.5	28.9	28.5	28.2	27.4	27.4	27.4
57.5°	29.3	29.7	29.3	28.5	28.5	28.5	28.5	27.8	27.4	26.7	27.1
59°	28.9	29.3	28.9	28.5	28.2	28.5	28.5	27.4	27.1	26.7	26.7
60°	28.5	28.9	28.5	28.2	28.2	28.5	28.2	27.8	27.1	26.0	26.3
62.5°	28.2	28.2	27.8	27.8	27.4	27.8	27.4	26.7	26.0	25.3	24.9
65°	27.4	27.4	27.1	27.1	26.7	26.7	26.7	26.0	25.3	24.4	24.4
67.5°	27.1	26.7	26.3	26.3	26.0	26.0	26.0	25.3	24.1	23.7	23.3
70°	25.6	25.3	25.3	24.9	24.4	24.9	25.3	24.1	23.0	22.3	21.9
72.5°	24.1	23.7	23.7	23.3	23.3	23.7	24.1	23.0	21.5	20.8	20.4
75°	21.9	21.5	21.5	21.5	21.5	22.3	22.3	21.2	20.0	18.9	18.2
77.5°	18.9	19.3	19.3	19.3	19.3	20.0	20.0	19.3	18.2	17.4	16.4
80°	16.4	16.4	16.7	16.7	17.1	17.1	16.7	16.4	16.0	15.2	13.7
82.5°	13.7	13.7	13.7	13.7	13.7	13.4	12.6	13.4	13.4	12.6	11.5
85°	10.7	10.7	10.7	11.2	11.2	10.0	8.9	8.9	10.0	9.6	8.9
87.5°	6.3	6.3	6.6	7.8	7.1	6.6	5.5	5.9	5.5	6.3	5.2
90°	1.5	1.1	1.1	0.4	0.7	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: P227320
 CATALOG NUMBER: ISW-AF-350-LED-E1-SLR

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: P227320
 NUMBER: ISW-AF-350-LED-E1-SLR

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

160°	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	110°	160°
728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0	110°	0.0
632.8	634.2	637.6	636.5	648.8	645.0	653.6	665.0	675.8	670.5	672.1	112.5°	0.0
520.4	522.2	508.1	516.7	529.3	524.1	522.2	539.3	535.2	554.5	538.6	115°	0.0
385.3	380.9	374.2	370.9	361.6	361.6	379.1	386.9	385.8	399.1	412.9	117.5°	0.0
270.8	265.6	257.4	255.2	264.4	268.9	276.7	284.5	294.9	310.1	319.0	120°	0.0
198.8	196.9	198.8	204.4	212.9	219.2	231.1	244.8	256.2	268.5	280.4	122.5°	0.0
150.2	154.0	158.8	162.4	169.1	181.0	187.3	202.5	212.9	223.6	237.4	125°	0.0
116.8	119.1	120.2	121.6	127.3	135.7	135.7	151.3	165.0	179.1	190.7	127.5°	0.0
89.0	89.0	85.3	87.6	88.3	87.6	92.0	100.9	109.8	119.1	137.3	130°	0.0
74.6	72.3	71.2	70.9	71.2	72.7	75.3	78.7	80.1	84.2	91.2	132.5°	0.0
66.0	65.7	64.5	64.5	65.3	65.7	68.2	71.2	71.9	73.0	75.7	135°	0.0
58.2	59.0	60.0	59.7	60.0	60.9	62.7	65.3	66.8	67.1	68.9	137.5°	0.0
52.7	53.4	53.8	54.9	54.9	55.2	56.8	59.3	60.5	62.3	64.1	140°	0.0
49.0	49.3	49.7	49.3	49.7	49.7	51.6	54.1	55.6	56.8	57.9	142.5°	0.0
44.9	44.5	44.5	44.5	43.4	43.1	43.8	46.3	46.7	47.9	50.4	145°	0.0
40.1	39.0	38.2	38.2	38.2	38.6	40.4	43.1	43.4	44.5	46.7	147.5°	0.0
35.6	35.2	35.2	35.6	36.0	36.7	38.2	40.8	41.1	42.2	44.1	150°	0.0
33.3	33.3	33.3	33.8	34.2	34.5	36.3	39.0	39.7	40.8	43.1	152.5°	0.0
31.9	32.2	31.9	31.9	32.2	33.0	34.9	37.8	39.0	40.1	42.2	155°	0.0
30.8	30.8	30.8	31.2	31.2	31.9	34.2	37.1	37.8	39.3	42.7	157.5°	0.0
29.3	30.1	29.7	30.1	30.4	31.2	33.3	36.3	37.4	39.7	43.4	160°	0.0
28.5	28.5	28.5	28.9	29.7	30.1	31.9	35.2	36.7	39.7	45.6	162.5°	0.0
28.2	27.4	27.4	27.8	28.5	29.3	31.2	34.5	36.3	39.3	45.2	165°	0.0
27.8	26.7	26.3	26.7	27.4	27.8	30.1	33.3	36.0	38.2	43.8	167.5°	0.0
26.7	26.0	25.6	26.0	26.7	27.4	29.3	32.6	34.5	37.4	41.9	170°	0.0
26.3	25.3	25.3	25.6	26.3	26.7	28.5	31.9	33.8	37.8	43.1	172.5°	0.0
24.9	24.4	24.4	24.9	24.9	25.6	27.8	31.2	32.6	38.6	36.0	175°	0.0
23.7	23.7	23.7	23.7	24.1	24.4	27.1	30.4	31.2	33.3	30.8	177.5°	0.0
23.0	23.0	23.0	23.0	23.0	23.7	26.0	29.3	29.7	29.3	28.2	180°	0.0
21.5	21.5	21.5	21.5	21.9	22.3	24.4	27.4	27.4	26.7	26.7		
20.4	20.0	20.0	20.0	20.0	20.4	22.6	25.6	25.3	24.9	24.9		
18.2	18.2	18.2	18.2	18.2	18.2	20.4	23.3	23.0	22.6	22.3		
16.0	16.0	16.4	16.0	15.5	15.2	17.4	20.8	20.8	20.4	20.0		
13.7	13.4	13.7	13.4	12.6	12.6	14.4	17.4	17.8	17.4	16.7		
11.2	10.7	10.7	10.7	9.3	9.3	11.2	14.1	14.1	13.7	13.0		
8.5	8.2	7.8	7.5	6.3	6.3	7.8	10.4	10.7	9.3	8.9		
4.5	4.5	4.5	3.4	3.0	2.6	4.1	6.3	6.3	5.2	4.5		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'227320
 ISW-AF-350-LED-E1-SLR

REPORT NUMBER: P227320
 CATALOG NUMBER: ISW-AF-3!

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°	728.0	728.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	681.4	684.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	550.4	563.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	416.1	433.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	333.5	345.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	292.7	309.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	251.1	269.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	205.8	228.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	157.2	179.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	110.5	129.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	80.5	89.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	71.6	74.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	67.1	69.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	60.5	62.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	53.0	56.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	49.3	51.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	47.1	47.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	45.2	45.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	44.1	45.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	44.9	49.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	50.4	49.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	51.6	46.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	47.1	44.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	42.2	38.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	37.8	35.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	35.2	34.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	32.2	33.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	30.1	31.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	28.9	30.1
										70°	27.1	27.8
										72.5°	25.3	25.6
										75°	22.6	23.0
										77.5°	20.0	20.0
										80°	16.4	16.4
										82.5°	12.6	12.3
										85°	8.2	7.8
										87.5°	3.7	3.0
										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: P227320

CATALOG NUMBER: ISW-AF-350-LED-E1-

50-LED-E1-SLR

tinued):										CANDELA DISTRIBUTION (continued):		
225°	230°	235°	240°	245°	250°	255°	260°	265°		215°	220°	225°
728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0	728.0	110°	0.0	0.0	0.0
701.3	711.8	720.0	718.4	735.9	746.2	747.8	758.5	768.8	112.5°	0.0	0.0	0.0
573.8	588.3	602.3	612.7	640.2	662.8	680.3	698.8	720.7	115°	0.0	0.0	0.0
457.4	469.5	492.6	509.2	538.2	564.5	590.1	619.4	644.3	117.5°	0.0	0.0	0.0
358.3	373.9	395.4	426.6	452.5	482.5	514.9	542.7	584.2	120°	0.0	0.0	0.0
321.9	331.5	349.4	364.3	396.5	428.4	464.7	503.0	541.1	122.5°	0.0	0.0	0.0
284.5	301.6	318.2	339.7	368.0	402.8	442.1	483.2	526.3	125°	0.0	0.0	0.0
248.2	270.8	289.0	312.3	343.8	388.0	439.2	490.3	540.7	127.5°	0.0	0.0	0.0
203.7	224.7	256.7	280.4	321.6	376.9	442.5	513.3	581.5	130°	0.0	0.0	0.0
160.2	182.9	219.2	254.4	299.7	370.9	455.8	551.2	642.4	132.5°	0.0	0.0	0.0
114.6	145.4	181.4	225.9	280.8	367.2	474.0	597.9	720.7	135°	0.0	0.0	0.0
85.7	107.2	151.0	199.6	259.6	360.5	493.3	641.3	774.1	137.5°	0.0	0.0	0.0
76.4	91.7	120.2	171.3	233.6	347.5	507.8	682.4	822.7	140°	0.0	0.0	0.0
66.8	78.7	101.3	144.6	210.3	327.5	514.0	704.3	856.4	142.5°	0.0	0.0	0.0
58.6	69.8	92.7	134.3	198.5	304.8	512.9	726.2	898.7	145°	0.0	0.0	0.0
53.4	63.0	89.0	131.7	189.1	284.1	514.0	761.5	961.4	147.5°	0.0	0.0	0.0
49.3	60.5	86.0	126.1	184.7	272.6	518.5	792.6	1015.2	150°	0.0	0.0	0.0
49.3	59.7	78.7	118.4	182.5	273.7	520.4	816.7	1055.2	152.5°	0.0	0.0	0.0
52.0	56.0	73.0	113.9	183.9	281.9	518.1	841.2	1094.1	155°	0.0	0.0	0.0
49.3	52.3	69.4	113.1	183.9	287.9	524.9	871.7	1145.4	157.5°	0.0	0.0	0.0
46.7	48.6	68.2	112.0	180.2	293.4	552.3	928.3	1212.1	160°	0.0	0.0	0.0
43.4	45.6	66.8	110.2	176.2	300.4	600.9	1023.7	1322.7	162.5°	0.0	0.0	0.0
39.3	43.8	64.5	107.2	173.6	313.0	650.6	1120.1	1454.3	165°	0.0	0.0	0.0
37.8	41.9	59.3	100.1	170.9	326.7	703.6	1212.5	1572.6	167.5°	0.0	0.0	0.0
36.7	40.4	54.9	94.9	168.8	333.5	719.5	1247.7	1618.2	170°	0.0	0.0	0.0
36.0	39.7	52.3	90.5	166.1	333.8	731.0	1261.1	1625.0	172.5°	0.0	0.0	0.0
34.9	38.2	47.1	81.2	158.0	333.5	732.1	1269.6	1605.6	175°	0.0	0.0	0.0
33.0	36.7	47.5	76.4	143.2	317.8	686.2	1228.5	1528.9	177.5°	0.0	0.0	0.0
31.5	35.6	50.0	77.5	127.6	277.8	600.2	1100.5	1364.5	180°	0.0	0.0	0.0
29.3	34.9	52.3	80.1	123.2	230.7	454.0	898.7	1142.7				
27.1	34.5	54.1	81.9	118.4	189.9	314.6	637.2	855.3				
24.4	31.5	49.3	69.8	97.9	138.0	202.5	416.9	589.7				
21.2	25.3	36.0	49.0	71.9	96.5	119.8	251.9	385.8				
17.4	18.9	25.6	31.5	47.9	57.1	66.4	142.1	269.6				
13.0	13.4	17.4	20.0	27.1	31.5	39.7	87.2	218.5				
7.5	8.5	11.9	13.4	16.4	20.0	26.0	55.6	171.3				
3.0	3.7	7.1	7.8	8.9	11.2	14.4	32.2	53.4				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	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: P227320

CATALOG NUMBER: ISW-AF-350-LED-E1-SLR

-SLR

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°	728.0	728.0	728.0	728.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	779.3	787.1	793.7	798.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	744.0	762.2	784.1	802.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	681.4	704.3	739.9	761.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	622.0	655.7	694.7	726.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	581.5	623.5	660.6	695.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	570.4	613.1	646.5	678.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	592.7	635.4	663.9	683.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	645.0	690.6	708.8	707.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	716.6	764.5	764.5	749.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	811.2	845.7	826.7	798.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	878.3	910.5	877.6	831.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	934.0	957.7	915.7	859.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	982.9	1000.3	945.1	889.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	1041.5	1047.8	975.5	916.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	1106.4	1111.6	1019.3	945.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	1182.8	1164.2	1051.5	972.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	1229.9	1199.5	1074.9	986.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	1267.0	1225.5	1085.7	995.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	1312.7	1263.7	1104.6	1010.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	1372.7	1316.7	1152.4	1051.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	1495.9	1426.5	1238.5	1124.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	1637.5	1571.9	1376.1	1245.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	1751.0	1706.9	1498.8	1354.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	1792.9	1774.0	1585.6	1446.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	1808.5	1824.8	1631.6	1503.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	1819.3	1890.1	1781.1	1671.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	1797.0	1900.8	1841.5	1774.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	1700.2	1824.4	1813.0	1754.0
								70°	1502.2	1640.5	1680.6	1596.7
								72.5°	1130.2	1301.9	1520.3	1389.1
								75°	736.2	895.0	1298.1	1189.9
								77.5°	461.0	558.5	926.2	833.4
								80°	306.8	359.1	587.9	535.2
								82.5°	230.7	254.4	404.3	380.1
								85°	121.6	155.1	314.6	398.7
								87.5°	45.6	50.8	236.6	356.4
								90°	0.0	0.0	0.4	0.0
								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: P227320

CATALOG NUMBER: ISW-AF-350-LED-E1-SLR

CANDELA DISTRIBUTION (continued):

290°	295°	300°	305°	310°	315°	320°		270°	275°	280°	285°	290°
728.0	728.0	728.0	728.0	728.0	728.0	728.0	110°	0.0	0.0	0.0	0.0	0.0
803.4	810.1	814.2	811.2	816.0	817.1	811.9	112.5°	0.0	0.0	0.0	0.0	0.0
818.3	836.8	850.1	859.4	863.1	866.4	864.9	115°	0.0	0.0	0.0	0.0	0.0
790.7	819.3	844.1	861.2	867.2	871.7	867.6	117.5°	0.0	0.0	0.0	0.0	0.0
760.4	790.0	813.3	830.4	830.1	834.5	826.7	120°	0.0	0.0	0.0	0.0	0.0
731.8	760.8	781.5	780.7	775.6	762.6	760.4	122.5°	0.0	0.0	0.0	0.0	0.0
709.2	724.4	729.6	728.4	713.6	706.2	705.1	125°	0.0	0.0	0.0	0.0	0.0
698.1	697.3	685.4	672.5	658.4	657.7	647.9	127.5°	0.0	0.0	0.0	0.0	0.0
699.9	675.8	653.9	631.7	616.4	613.1	614.2	130°	0.0	0.0	0.0	0.0	0.0
723.2	680.6	639.4	616.8	599.0	593.8	596.1	132.5°	0.0	0.0	0.0	0.0	0.0
752.6	695.4	644.3	609.8	595.3	589.0	590.1	135°	0.0	0.0	0.0	0.0	0.0
772.2	712.5	660.2	617.6	597.9	592.0	595.7	137.5°	0.0	0.0	0.0	0.0	0.0
797.4	735.9	681.7	637.6	608.2	600.5	603.1	140°	0.0	0.0	0.0	0.0	0.0
822.2	761.1	712.2	662.1	626.5	612.0	616.0	142.5°	0.0	0.0	0.0	0.0	0.0
848.9	790.4	741.0	695.4	653.6	631.0	636.1	145°	0.0	0.0	0.0	0.0	0.0
880.1	824.5	782.3	740.3	697.3	678.4	680.6	147.5°	0.0	0.0	0.0	0.0	0.0
910.2	857.8	830.8	799.6	774.5	745.5	745.5	150°	0.0	0.0	0.0	0.0	0.0
928.0	901.3	893.9	885.0	870.1	849.4	845.0	152.5°	0.0	0.0	0.0	0.0	0.0
949.9	952.9	969.9	987.8	992.2	971.8	965.5	155°	0.0	0.0	0.0	0.0	0.0
991.0	1022.2	1078.2	1126.8	1136.4	1153.2	1133.8	157.5°	0.0	0.0	0.0	0.0	0.0
1048.9	1106.4	1200.9	1280.3	1302.9	1304.5	1305.9	160°	0.0	0.0	0.0	0.0	0.0
1114.9	1197.3	1322.3	1416.9	1457.3	1468.0	1460.3	162.5°	0.0	0.0	0.0	0.0	0.0
1228.1	1302.6	1439.5	1541.5	1593.3	1618.6	1612.0	165°	0.0	0.0	0.0	0.0	0.0
1340.1	1432.8	1553.4	1653.8	1709.1	1737.3	1743.2	167.5°	0.0	0.0	0.0	0.0	0.0
1416.5	1503.2	1614.5	1707.3	1761.8	1795.6	1798.6	170°	0.0	0.0	0.0	0.0	0.0
1463.2	1542.6	1651.2	1732.9	1787.4	1815.9	1826.3	172.5°	0.0	0.0	0.0	0.0	0.0
1604.9	1619.3	1693.5	1747.3	1785.6	1798.6	1806.3	175°	0.0	0.0	0.0	0.0	0.0
1671.3	1610.8	1602.2	1635.7	1639.0	1630.5	1619.7	177.5°	0.0	0.0	0.0	0.0	0.0
1578.9	1437.7	1385.3	1380.9	1367.2	1361.5	1327.5	180°	0.0	0.0	0.0	0.0	0.0
1371.3	1167.6	1075.2	1025.2	1055.6	1054.5	1019.6						
1155.3	948.1	828.2	756.3	747.4	745.9	715.5						
938.4	744.0	639.0	604.2	562.3	549.6	554.8						
676.5	531.1	508.9	535.6	538.9	529.3	522.6						
426.2	399.5	420.9	469.5	498.1	485.5	490.3						
355.4	314.6	316.0	367.2	386.5	389.4	379.4						
394.2	314.9	258.2	251.9	245.2	154.3	214.7						
355.4	243.7	143.5	118.4	72.7	41.9	43.4						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	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: P227320

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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°	728.0	728.0	728.0	728.0	728.0	728.0
0.0	0.0	0.0	0.0	0.0	0.0	2.5°	810.8	803.7	796.0	785.5	787.5	774.8
0.0	0.0	0.0	0.0	0.0	0.0	5°	853.4	841.2	824.5	803.4	783.7	758.5
0.0	0.0	0.0	0.0	0.0	0.0	7.5°	848.9	829.3	801.5	769.7	743.7	707.3
0.0	0.0	0.0	0.0	0.0	0.0	10°	810.8	785.2	762.6	729.6	695.8	663.9
0.0	0.0	0.0	0.0	0.0	0.0	12.5°	757.4	742.9	723.2	698.4	665.7	633.1
0.0	0.0	0.0	0.0	0.0	0.0	15°	699.2	700.3	688.4	681.7	665.4	639.4
0.0	0.0	0.0	0.0	0.0	0.0	17.5°	651.3	662.5	668.7	679.1	681.0	668.4
0.0	0.0	0.0	0.0	0.0	0.0	20°	619.4	634.9	654.7	683.2	713.2	726.2
0.0	0.0	0.0	0.0	0.0	0.0	22.5°	601.6	620.9	652.4	704.3	759.2	792.3
0.0	0.0	0.0	0.0	0.0	0.0	25°	598.2	623.9	668.0	731.4	802.6	848.9
0.0	0.0	0.0	0.0	0.0	0.0	27.5°	603.8	637.2	689.5	761.8	832.0	899.1
0.0	0.0	0.0	0.0	0.0	0.0	30°	621.6	660.6	717.7	795.5	868.3	935.1
0.0	0.0	0.0	0.0	0.0	0.0	32.5°	638.7	686.9	749.9	826.0	899.1	965.5
0.0	0.0	0.0	0.0	0.0	0.0	35°	666.1	714.7	779.3	849.4	920.2	995.5
0.0	0.0	0.0	0.0	0.0	0.0	37.5°	708.1	750.7	802.3	867.6	941.3	1019.3
0.0	0.0	0.0	0.0	0.0	0.0	40°	767.7	796.0	829.3	880.9	951.8	1035.2
0.0	0.0	0.0	0.0	0.0	0.0	42.5°	857.1	863.1	874.6	901.3	961.0	1053.7
0.0	0.0	0.0	0.0	0.0	0.0	45°	972.5	954.7	944.7	941.0	981.8	1065.6
0.0	0.0	0.0	0.0	0.0	0.0	47.5°	1106.4	1071.5	1031.4	1012.2	1021.8	1084.5
0.0	0.0	0.0	0.0	0.0	0.0	50°	1280.7	1224.0	1145.4	1089.7	1084.8	1140.2
0.0	0.0	0.0	0.0	0.0	0.0	52.5°	1440.6	1366.4	1267.3	1201.8	1175.1	1244.0
0.0	0.0	0.0	0.0	0.0	0.0	55°	1591.5	1534.4	1422.4	1340.8	1331.6	1381.6
0.0	0.0	0.0	0.0	0.0	0.0	57.5°	1724.0	1674.7	1583.0	1476.5	1480.3	1528.9
0.0	0.0	0.0	0.0	0.0	0.0	59°	1792.6	1751.4	1666.5	1558.2	1566.3	1633.0
0.0	0.0	0.0	0.0	0.0	0.0	60°	1817.1	1782.6	1701.7	1610.4	1620.9	1690.2
0.0	0.0	0.0	0.0	0.0	0.0	62.5°	1815.2	1792.9	1734.3	1691.3	1744.3	1795.2
0.0	0.0	0.0	0.0	0.0	0.0	65°	1641.9	1608.3	1601.5	1676.8	1779.2	1828.2
0.0	0.0	0.0	0.0	0.0	0.0	67.5°	1305.9	1321.9	1385.3	1514.8	1686.5	1757.7
						70°	969.9	998.1	1082.7	1245.1	1481.0	1604.2
						72.5°	713.2	741.4	819.3	997.4	1218.4	1327.5
						75°	559.7	568.2	624.2	764.0	960.2	1049.6
						77.5°	517.0	491.4	468.4	543.4	647.6	724.4
						80°	481.4	432.8	378.7	401.3	426.6	508.1
						82.5°	373.9	341.6	299.3	328.3	340.1	342.7
						85°	218.8	194.8	246.6	349.4	345.7	302.7
						87.5°	77.1	100.1	112.7	193.6	234.1	202.5
						90°	0.0	1.1	3.4	3.7	5.5	1.8
						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



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CANDELA DISTRIBUTION (continued):

355°	359°	360°		325°	330°	335°	340°	345°	350°	355°
728.0	728.0	728.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
764.8	754.4	753.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
738.5	715.1	707.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
675.8	648.8	643.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
623.1	593.1	587.9	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
596.1	567.4	561.2	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
606.4	574.9	571.5	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
645.4	612.0	613.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
712.2	690.6	685.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
799.6	776.3	769.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
874.2	862.3	857.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
928.0	933.5	929.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
971.0	989.6	987.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1015.2	1051.2	1052.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1047.8	1111.2	1124.2	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1089.7	1174.7	1188.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1121.6	1221.4	1237.7	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1152.8	1260.0	1277.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1178.3	1298.1	1316.3	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1207.3	1335.3	1353.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1259.3	1393.5	1414.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1370.9	1501.4	1531.5	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1532.2	1650.5	1674.3	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1677.6	1751.8	1758.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1737.3	1779.6	1777.8	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1781.1	1786.3	1775.8	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1804.8	1755.5	1737.7	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1742.9	1674.3	1650.8	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1564.1	1527.8	1501.1	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1330.4	1238.5	1221.0								
1008.5	887.2	861.2								
704.7	559.3	524.1								
463.3	359.1	345.7								
300.4	238.4	234.5								
209.6	156.5	144.2								
128.7	52.3	50.0								
40.1	24.1	21.5								
1.1	1.5	1.5								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								

