

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: P227303

Luminaire Tested: **ISW-AF-XXX-LED-E1-SLR-7050-XXB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P227303  
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-SLR-7050-XXB  
Description: IMPACT ELITE LED WEDGE LUMINAIRE, EMERGENCY MODE WITH BATTERY  
BACKPACK BOX  
LIGHT SQUARE WITH ACCUED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (16) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 573.1 lumens  
Efficiency: N/A  
Efficacy: 44.1 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

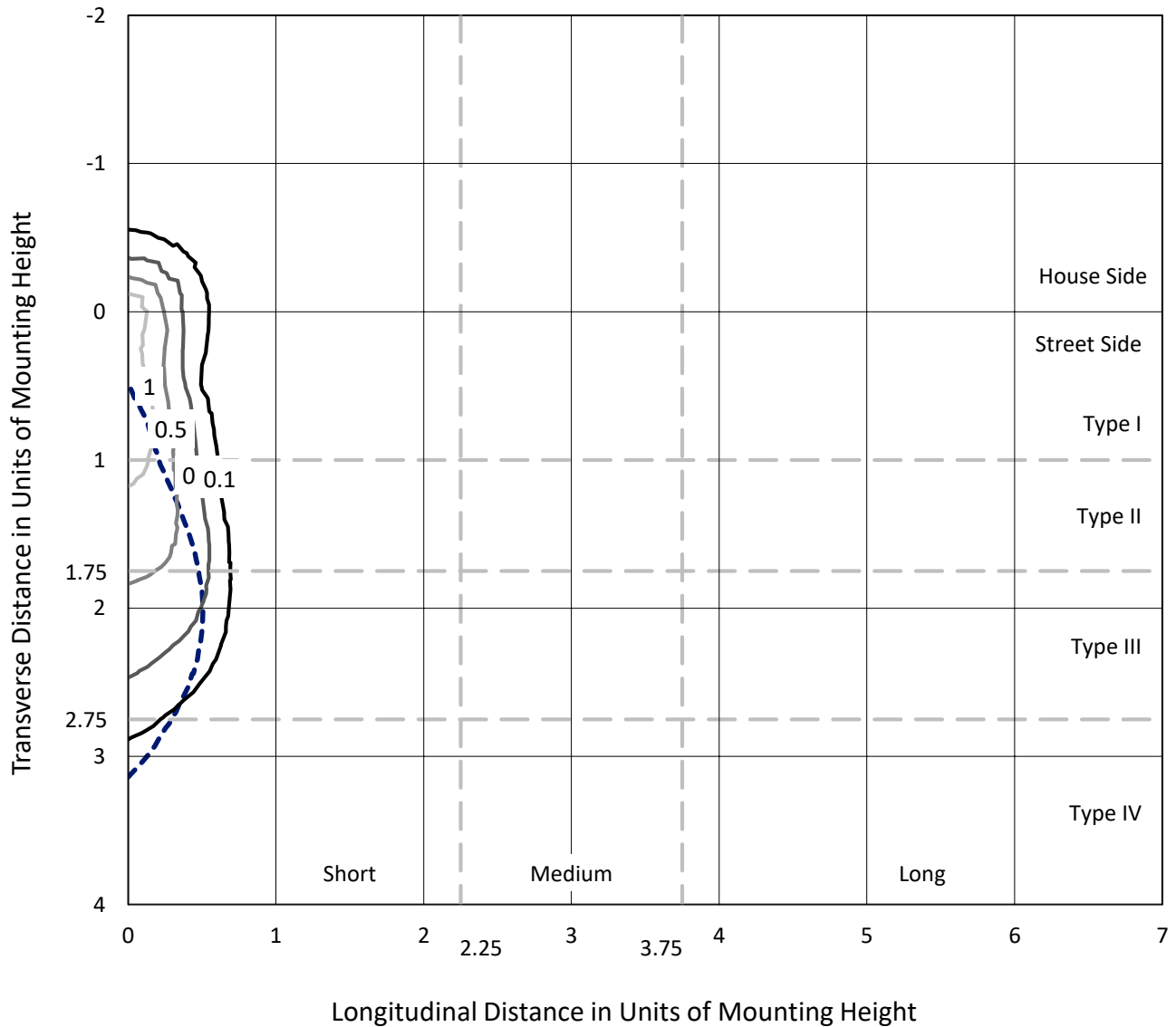


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### Iso-Footcandle Lines of Horizontal Illumination

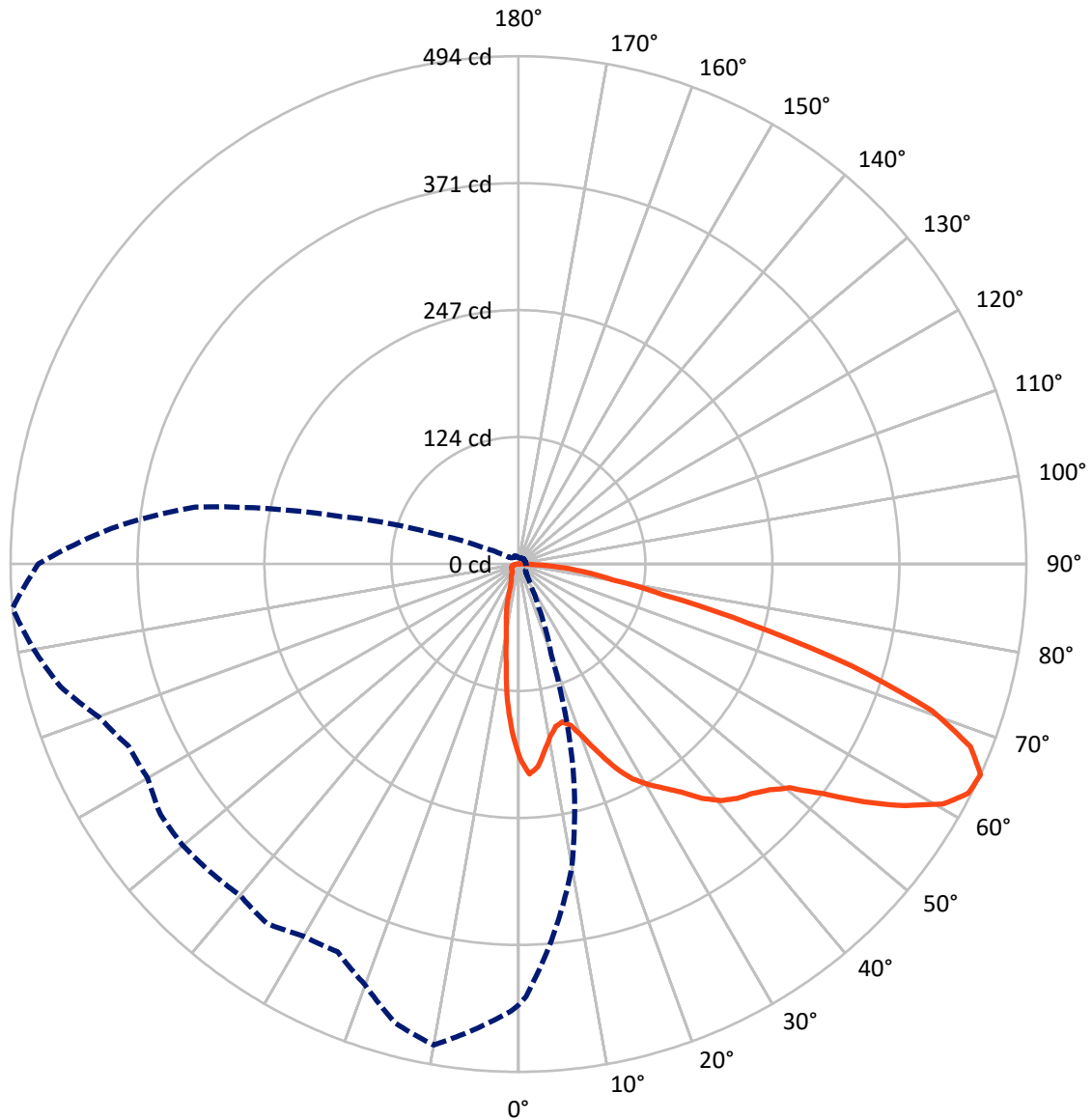
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.9 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
<b>House Side</b>	Lumens	98.3	0.0	98.3
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	474.8	0.0	474.8
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	573.1	0.0	573.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.0	2.4
10°-20°	27.0	4.7
20°-30°	38.5	6.7
30°-40°	55.8	9.7
40°-50°	79.9	13.9
50°-60°	122.6	21.4
60°-70°	141.9	24.8
70°-80°	72.4	12.6
80°-90°	20.9	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°	573.1	100.0
0°-180°	573.1	100.0



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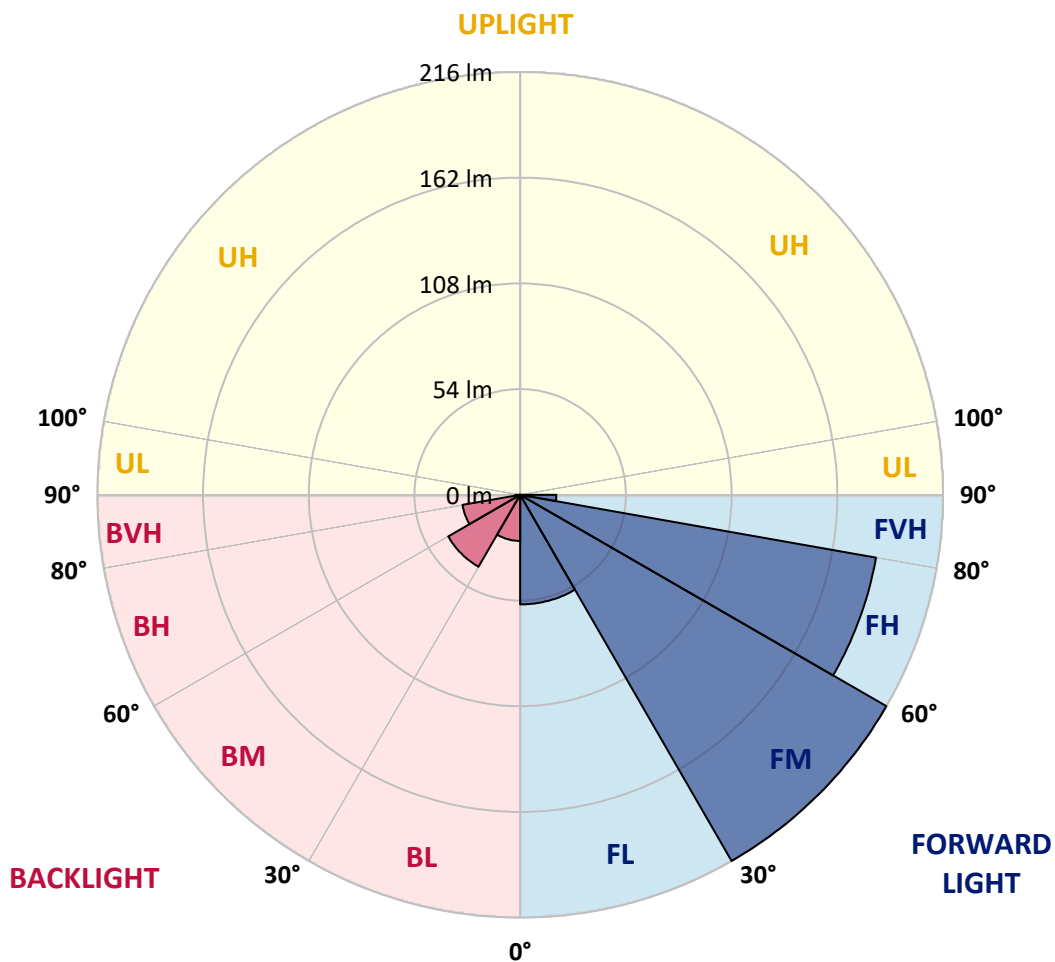
CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLR-7050-XXB

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	56.0	9.8			
FM	(30°-60°)	215.9	37.7			
FH	(60°-80°)	184.4	32.2			G0/660
FVH	(80°-90°)	18.5	3.2			G1/100
BL	(0°-30°)	23.5	4.1	B0/110		
BM	(30°-60°)	42.4	7.4	B0/220		
BH	(60°-80°)	29.9	5.2	B0/110		G0/110
BVH	(80°-90°)	2.4	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	189.3	189.3	189.3	189.3	189.3	189.3	189.3	189.3	189.3	189.3	189.3
2.5°	196.0	194.8	193.4	190.9	188.6	185.5	184.7	180.7	178.2	178.8	174.3
5°	184.0	183.3	179.8	174.2	170.5	163.3	159.1	157.0	151.0	150.3	148.6
7.5°	167.2	165.2	159.4	152.5	146.2	140.9	134.3	129.1	124.6	121.8	116.9
10°	152.9	150.7	144.5	136.0	128.5	121.0	115.6	109.0	102.5	97.5	93.6
12.5°	145.9	143.6	136.3	126.4	118.1	108.8	101.2	94.6	91.0	88.5	85.3
15°	148.6	145.2	136.5	124.7	114.3	104.5	96.4	89.3	85.1	81.2	77.4
17.5°	159.5	155.4	145.3	131.2	116.7	104.0	92.4	84.4	77.6	71.9	66.6
20°	178.2	175.1	160.6	140.7	121.9	104.3	89.0	78.5	70.3	63.0	56.0
22.5°	200.1	195.5	181.2	153.6	128.6	106.0	86.9	73.6	63.8	54.0	46.5
25°	223.1	219.5	200.6	171.0	138.8	109.6	85.3	69.2	56.2	45.3	37.0
27.5°	241.6	238.4	219.7	187.7	148.1	112.6	82.8	65.1	50.2	37.0	27.9
30°	256.7	254.0	234.5	201.4	159.5	113.7	79.5	60.3	43.4	29.9	23.1
32.5°	273.7	270.7	248.6	210.9	164.6	112.7	75.6	55.7	38.0	26.4	19.8
35°	292.3	288.9	264.5	221.2	168.9	109.4	72.3	52.5	35.4	24.0	17.6
37.5°	308.9	306.7	278.7	231.5	173.7	103.8	69.2	48.9	33.7	22.3	15.8
40°	321.8	321.3	294.5	240.0	177.5	99.7	66.5	46.1	31.4	21.6	15.2
42.5°	332.3	332.1	307.5	247.6	178.4	96.2	64.5	43.6	29.4	20.0	15.5
45°	342.3	342.2	320.0	258.2	179.1	96.4	63.0	42.1	27.7	18.9	14.7
47.5°	351.8	353.3	333.1	272.9	186.2	99.6	62.4	40.6	26.3	17.7	13.9
50°	367.8	366.4	353.9	292.9	197.7	106.0	61.4	39.4	25.1	16.7	13.1
52.5°	398.2	396.6	385.4	319.6	210.3	112.6	60.2	37.6	23.6	15.5	12.2
55°	435.4	437.6	422.1	352.1	227.3	118.1	58.8	35.3	21.7	14.2	11.7
57.5°	457.2	455.3	437.6	370.8	237.8	120.8	58.0	32.6	18.7	13.0	11.1
59°	462.3	459.2	435.0	374.0	240.6	119.5	57.5	30.0	17.2	12.4	10.8
60°	461.8	458.0	430.8	372.0	241.4	117.9	56.7	28.5	16.3	12.2	10.7
62.5°	451.9	446.0	407.3	347.5	230.6	109.7	53.5	24.8	15.1	11.8	10.1
65°	429.3	421.0	367.8	299.7	205.8	93.4	46.3	23.4	15.4	11.6	9.7
67.5°	390.3	383.7	316.9	248.0	164.1	75.4	40.0	22.9	15.8	11.8	9.2
70°	317.5	311.8	247.3	185.7	122.9	60.0	36.4	22.6	15.5	11.3	8.7
72.5°	223.9	214.1	164.3	130.0	77.9	48.2	31.5	21.3	15.1	10.9	7.9
75°	136.3	138.1	104.5	94.7	49.2	33.1	24.8	17.9	13.4	9.7	7.1
77.5°	89.9	89.8	77.1	66.8	25.0	20.5	17.6	13.8	10.5	8.0	6.2
80°	61.0	61.6	55.9	45.6	13.9	12.3	11.5	10.0	7.7	6.1	5.1
82.5°	37.5	37.6	43.3	34.1	9.3	7.8	7.3	6.8	5.5	4.7	4.0
85°	13.0	13.3	15.1	24.1	6.3	5.1	5.1	4.7	4.1	3.2	2.6
87.5°	5.6	5.5	6.6	6.6	3.1	2.6	2.4	2.4	2.3	1.7	1.4
90°	0.4	0.3	0.3	0.4	0.5	0.7	0.6	0.7	0.7	0.6	0.4
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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**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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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	189.3	189.3	189.3	189.3	189.3	189.3	189.3	189.3	189.3	189.3	189.3
2.5°	172.9	171.9	168.9	168.1	169.1	167.1	166.7	166.2	162.6	164.4	162.3
5°	144.6	144.3	138.2	139.5	138.2	136.1	135.2	137.2	133.7	134.4	134.9
7.5°	111.1	109.9	105.9	103.2	101.6	100.1	98.3	95.3	97.6	97.1	100.8
10°	90.2	87.7	85.2	81.4	79.3	77.3	75.1	74.0	71.3	71.0	69.7
12.5°	82.7	79.1	75.9	72.6	70.4	66.4	63.0	60.9	59.1	56.4	54.4
15°	72.6	69.6	65.5	62.3	58.8	55.2	51.9	49.2	47.9	45.4	44.3
17.5°	62.5	58.0	52.9	49.8	44.9	41.2	38.5	36.7	34.9	33.4	32.0
20°	50.3	44.5	39.1	35.0	31.2	27.6	26.3	24.2	23.4	22.9	23.3
22.5°	38.3	32.2	26.6	23.5	21.5	20.5	19.5	19.1	18.8	18.7	18.9
25°	28.1	23.0	20.3	19.1	18.3	17.7	17.4	17.1	16.9	16.8	16.9
27.5°	21.7	19.0	17.6	16.9	16.3	15.9	15.7	15.4	15.3	15.2	15.3
30°	18.8	17.4	16.4	15.6	14.9	14.3	14.0	13.9	14.0	14.1	14.0
32.5°	16.4	15.3	14.3	13.6	13.1	12.7	12.7	12.5	12.5	12.8	12.9
35°	14.9	13.8	13.0	12.2	11.6	11.2	10.9	10.7	10.8	10.8	11.1
37.5°	13.6	12.8	12.2	11.4	10.8	10.4	10.2	10.0	9.9	9.8	9.8
40°	12.7	12.2	11.7	10.9	10.3	9.9	9.7	9.5	9.5	9.4	9.4
42.5°	12.7	11.8	11.4	10.7	10.0	9.6	9.4	9.2	9.0	9.0	9.0
45°	14.0	12.1	11.4	10.6	9.9	9.5	9.2	8.9	8.7	8.7	8.6
47.5°	13.6	13.5	11.6	10.6	10.0	9.5	9.1	8.8	8.6	8.5	8.4
50°	12.9	14.1	12.9	10.9	10.0	9.4	9.0	8.7	8.4	8.3	8.3
52.5°	12.5	13.1	13.4	11.3	10.1	9.4	8.9	8.6	8.4	8.2	8.1
55°	11.6	12.3	12.8	11.1	10.1	9.2	8.7	8.4	8.1	8.0	7.9
57.5°	10.6	11.2	12.3	11.1	9.8	9.1	8.5	8.1	7.9	7.8	7.7
59°	10.3	10.3	11.0	11.4	9.6	9.0	8.4	8.0	7.8	7.7	7.5
60°	10.0	10.0	10.4	11.7	9.5	8.9	8.3	7.9	7.6	7.6	7.5
62.5°	9.6	9.4	9.5	10.9	9.3	8.7	8.1	7.7	7.4	7.4	7.3
65°	9.2	8.8	8.8	9.1	8.7	8.3	7.9	7.5	7.1	7.1	7.2
67.5°	8.7	8.3	8.2	8.2	8.0	7.9	7.5	7.1	6.9	6.9	6.9
70°	8.0	7.7	7.6	7.4	7.4	7.3	7.0	6.8	6.6	6.7	6.6
72.5°	7.2	7.0	6.8	6.8	6.8	6.7	6.4	6.2	6.1	6.2	6.2
75°	6.5	6.2	6.2	6.0	6.0	5.9	5.6	5.5	5.4	5.5	5.6
77.5°	5.5	5.3	5.2	5.2	5.2	5.2	4.8	4.7	4.7	4.9	4.9
80°	4.5	4.4	4.3	4.3	4.3	4.2	4.1	4.0	4.0	4.1	4.1
82.5°	3.5	3.3	3.3	3.4	3.5	3.5	3.2	3.0	3.0	3.2	3.4
85°	2.3	2.3	2.3	2.4	2.4	2.5	2.3	2.0	2.1	2.2	2.5
87.5°	1.3	1.4	1.3	1.2	1.4	1.3	1.3	1.2	1.3	1.4	1.4
90°	0.4	0.4	0.3	0.2	0.1	0.2	0.2	0.3	0.1	0.1	0.2
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-XXX-LED-E1-SLR-7050-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: P227303

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLR-7050-XXB

**CANDELA DISTRIBUTION (continued):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	189.3	189.3	189.3	189.3	189.3	189.3	189.3	189.3	189.3	189.3	189.3
2.5°	164.2	162.6	161.7	165.1	164.8	161.9	161.9	164.0	164.1	162.3	164.3
5°	135.5	133.9	135.4	134.1	134.8	134.7	135.9	133.8	134.6	133.9	132.0
7.5°	100.5	103.8	105.5	103.3	106.1	107.5	105.5	107.5	104.4	101.8	104.3
10°	69.2	72.8	72.1	75.7	77.1	77.8	79.3	77.4	75.2	74.6	72.7
12.5°	53.6	52.9	52.6	54.0	54.9	53.6	54.7	53.5	52.4	50.3	50.2
15°	42.0	40.7	39.8	38.2	37.6	37.9	38.4	38.4	36.1	36.2	37.0
17.5°	31.8	31.5	30.9	29.5	28.6	28.9	28.8	28.4	28.1	28.3	29.3
20°	23.9	23.6	24.0	24.4	24.1	24.2	23.8	23.3	23.1	23.3	23.5
22.5°	18.9	19.3	19.8	20.4	20.4	20.9	20.8	20.9	20.5	20.4	19.9
25°	17.3	17.5	17.2	17.3	17.3	17.7	17.6	17.6	17.3	17.2	17.3
27.5°	15.2	15.1	15.1	15.3	15.3	15.6	15.8	15.6	15.2	15.1	15.2
30°	14.1	14.0	13.9	14.0	13.9	14.0	14.2	14.2	14.0	13.7	13.8
32.5°	12.9	12.9	12.8	12.9	12.8	12.8	13.0	12.7	12.7	12.6	12.6
35°	11.4	11.6	11.8	11.9	11.9	11.9	12.1	11.8	11.7	11.6	11.6
37.5°	9.8	10.0	10.6	10.9	11.0	11.2	11.3	11.1	10.9	10.7	10.5
40°	9.4	9.4	9.5	9.9	10.3	10.4	10.6	10.3	10.2	9.9	9.6
42.5°	9.0	9.1	9.1	9.2	9.3	9.5	9.7	9.5	9.3	9.1	8.8
45°	8.7	8.7	8.7	8.7	8.6	8.6	8.7	8.5	8.4	8.3	8.3
47.5°	8.5	8.4	8.3	8.2	8.1	8.0	8.0	7.8	7.8	7.8	7.8
50°	8.3	8.1	8.0	7.9	7.7	7.7	7.7	7.5	7.4	7.4	7.5
52.5°	8.0	7.9	7.8	7.7	7.6	7.5	7.5	7.3	7.2	7.2	7.2
55°	7.9	7.8	7.6	7.5	7.4	7.5	7.4	7.3	7.1	7.1	7.1
57.5°	7.6	7.7	7.6	7.4	7.4	7.4	7.4	7.2	7.1	6.9	7.0
59°	7.5	7.6	7.5	7.4	7.3	7.4	7.4	7.1	7.0	6.9	6.9
60°	7.4	7.5	7.4	7.3	7.3	7.4	7.3	7.2	7.0	6.8	6.8
62.5°	7.3	7.3	7.2	7.2	7.1	7.2	7.1	6.9	6.8	6.6	6.5
65°	7.1	7.1	7.0	7.0	6.9	6.9	6.9	6.8	6.6	6.4	6.4
67.5°	7.0	6.9	6.8	6.8	6.8	6.8	6.8	6.6	6.3	6.2	6.1
70°	6.7	6.6	6.6	6.5	6.4	6.5	6.6	6.3	6.0	5.8	5.7
72.5°	6.3	6.2	6.2	6.1	6.1	6.2	6.3	6.0	5.6	5.4	5.3
75°	5.7	5.6	5.6	5.6	5.6	5.8	5.8	5.5	5.2	4.9	4.7
77.5°	4.9	5.0	5.0	5.0	5.0	5.2	5.2	5.0	4.7	4.5	4.2
80°	4.2	4.2	4.3	4.3	4.4	4.4	4.3	4.2	4.1	4.0	3.6
82.5°	3.6	3.6	3.6	3.6	3.6	3.5	3.3	3.5	3.5	3.3	3.0
85°	2.8	2.8	2.8	2.9	2.9	2.6	2.3	2.3	2.6	2.5	2.3
87.5°	1.6	1.6	1.7	2.0	1.8	1.7	1.4	1.5	1.4	1.6	1.4
90°	0.4	0.3	0.3	0.1	0.2	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: P227303  
 CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLR-7050-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: P227303  
 NUMBER: ISW-AF-XXX-LED-E1-SLR-7050-XXB

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION:**

160°	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	110°	160°
189.3	189.3	189.3	189.3	189.3	189.3	189.3	189.3	189.3	189.3	189.3	110°	0.0
164.5	164.9	165.8	165.5	168.7	167.7	169.9	172.9	175.7	174.4	174.8	112.5°	0.0
135.3	135.8	132.1	134.4	137.6	136.3	135.8	140.2	139.2	144.2	140.0	115°	0.0
100.2	99.1	97.3	96.4	94.0	94.0	98.6	100.6	100.3	103.8	107.3	117.5°	0.0
70.4	69.1	66.9	66.4	68.8	69.9	71.9	74.0	76.7	80.6	82.9	120°	0.0
51.7	51.2	51.7	53.1	55.4	57.0	60.1	63.7	66.6	69.8	72.9	122.5°	0.0
39.1	40.0	41.3	42.2	44.0	47.1	48.7	52.7	55.4	58.2	61.7	125°	0.0
30.4	31.0	31.2	31.6	33.1	35.3	35.3	39.4	42.9	46.6	49.6	127.5°	0.0
23.1	23.1	22.2	22.8	23.0	22.8	23.9	26.2	28.5	31.0	35.7	130°	0.0
19.4	18.8	18.5	18.4	18.5	18.9	19.6	20.4	20.8	21.9	23.7	132.5°	0.0
17.2	17.1	16.8	16.8	17.0	17.1	17.7	18.5	18.7	19.0	19.7	135°	0.0
15.1	15.3	15.6	15.5	15.6	15.8	16.3	17.0	17.4	17.5	17.9	137.5°	0.0
13.7	13.9	14.0	14.3	14.3	14.4	14.8	15.4	15.7	16.2	16.7	140°	0.0
12.7	12.8	12.9	12.8	12.9	12.9	13.4	14.1	14.5	14.8	15.0	142.5°	0.0
11.7	11.6	11.6	11.6	11.3	11.2	11.4	12.1	12.2	12.4	13.1	145°	0.0
10.4	10.1	9.9	9.9	9.9	10.0	10.5	11.2	11.3	11.6	12.2	147.5°	0.0
9.3	9.2	9.2	9.3	9.4	9.5	9.9	10.6	10.7	11.0	11.5	150°	0.0
8.7	8.7	8.7	8.8	8.9	9.0	9.5	10.1	10.3	10.6	11.2	152.5°	0.0
8.3	8.4	8.3	8.3	8.4	8.6	9.1	9.8	10.1	10.4	11.0	155°	0.0
8.0	8.0	8.0	8.1	8.1	8.3	8.9	9.6	9.8	10.2	11.1	157.5°	0.0
7.6	7.8	7.7	7.8	7.9	8.1	8.7	9.5	9.7	10.3	11.3	160°	0.0
7.4	7.4	7.4	7.5	7.7	7.8	8.3	9.2	9.5	10.3	11.9	162.5°	0.0
7.3	7.1	7.1	7.2	7.4	7.6	8.1	9.0	9.5	10.2	11.8	165°	0.0
7.2	6.9	6.8	6.9	7.1	7.2	7.8	8.7	9.4	9.9	11.4	167.5°	0.0
6.9	6.8	6.7	6.8	6.9	7.1	7.6	8.5	9.0	9.7	10.9	170°	0.0
6.8	6.6	6.6	6.7	6.8	6.9	7.4	8.3	8.8	9.8	11.2	172.5°	0.0
6.5	6.4	6.4	6.5	6.5	6.7	7.2	8.1	8.5	10.0	9.4	175°	0.0
6.2	6.2	6.2	6.2	6.3	6.4	7.0	7.9	8.1	8.7	8.0	177.5°	0.0
6.0	6.0	6.0	6.0	6.0	6.2	6.8	7.6	7.7	7.6	7.3	180°	0.0
5.6	5.6	5.6	5.6	5.7	5.8	6.4	7.1	7.1	6.9	6.9		
5.3	5.2	5.2	5.2	5.2	5.3	5.9	6.7	6.6	6.5	6.5		
4.7	4.7	4.7	4.7	4.7	4.7	5.3	6.1	6.0	5.9	5.8		
4.1	4.1	4.2	4.1	4.1	4.0	4.5	5.4	5.4	5.3	5.2		
3.6	3.5	3.6	3.5	3.3	3.3	3.8	4.5	4.6	4.5	4.3		
2.9	2.8	2.8	2.8	2.4	2.4	2.9	3.7	3.7	3.6	3.4		
2.2	2.1	2.0	1.9	1.6	1.6	2.0	2.7	2.8	2.4	2.3		
1.2	1.2	1.2	0.9	0.8	0.7	1.1	1.6	1.6	1.4	1.2		
0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'227303  
 ISW-AF-XXX-LED-E1-SLR-7050-XXB

REPORT NUMBER: P227303  
 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°	189.3	189.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	177.2	178.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	143.1	146.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	108.2	112.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	86.7	89.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	76.1	80.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	65.3	70.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	53.5	59.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	40.9	46.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	28.7	33.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	20.9	23.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	18.6	19.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	17.5	18.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	15.7	16.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	13.8	14.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	12.8	13.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	12.2	12.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	11.8	11.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	11.5	11.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	11.7	12.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	13.1	12.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	13.4	12.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	12.2	11.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	11.0	10.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	9.8	9.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	9.2	9.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	8.4	8.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	7.8	8.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	7.5	7.8
										70°	7.0	7.2
										72.5°	6.6	6.7
										75°	5.9	6.0
										77.5°	5.2	5.2
										80°	4.2	4.2
										82.5°	3.3	3.2
										85°	2.1	2.0
										87.5°	1.0	0.8
										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: P227303

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

XX-LED-E1-SLR-7050-XXB

<u>tinued):</u>										<u>CANDELA DISTRIBUTION (continued):</u>		
225°	230°	235°	240°	245°	250°	255°	260°	265°		215°	220°	225°
189.3	189.3	189.3	189.3	189.3	189.3	189.3	189.3	189.3	110°	0.0	0.0	0.0
182.4	185.1	187.2	186.8	191.3	194.1	194.4	197.2	199.9	112.5°	0.0	0.0	0.0
149.2	153.0	156.6	159.3	166.5	172.3	176.9	181.7	187.4	115°	0.0	0.0	0.0
118.9	122.1	128.1	132.4	139.9	146.8	153.4	161.1	167.5	117.5°	0.0	0.0	0.0
93.2	97.2	102.8	110.9	117.7	125.5	133.9	141.1	151.9	120°	0.0	0.0	0.0
83.7	86.2	90.9	94.7	103.1	111.4	120.8	130.8	140.7	122.5°	0.0	0.0	0.0
74.0	78.4	82.8	88.3	95.7	104.7	115.0	125.7	136.9	125°	0.0	0.0	0.0
64.5	70.4	75.1	81.2	89.4	100.9	114.2	127.5	140.6	127.5°	0.0	0.0	0.0
52.9	58.4	66.7	72.9	83.6	98.0	115.1	133.5	151.2	130°	0.0	0.0	0.0
41.7	47.5	57.0	66.2	77.9	96.4	118.5	143.3	167.0	132.5°	0.0	0.0	0.0
29.8	37.8	47.2	58.7	73.0	95.5	123.3	155.5	187.4	135°	0.0	0.0	0.0
22.3	27.9	39.3	51.9	67.5	93.7	128.3	166.8	201.3	137.5°	0.0	0.0	0.0
19.9	23.8	31.2	44.6	60.8	90.4	132.0	177.5	213.9	140°	0.0	0.0	0.0
17.4	20.4	26.3	37.6	54.7	85.2	133.7	183.2	222.7	142.5°	0.0	0.0	0.0
15.2	18.1	24.1	34.9	51.6	79.3	133.4	188.8	233.7	145°	0.0	0.0	0.0
13.9	16.4	23.1	34.2	49.2	73.9	133.7	198.0	250.0	147.5°	0.0	0.0	0.0
12.8	15.7	22.4	32.8	48.0	70.9	134.8	206.1	264.0	150°	0.0	0.0	0.0
12.8	15.5	20.4	30.8	47.5	71.2	135.3	212.4	274.4	152.5°	0.0	0.0	0.0
13.5	14.6	19.0	29.6	47.8	73.3	134.7	218.7	284.5	155°	0.0	0.0	0.0
12.8	13.6	18.0	29.4	47.8	74.8	136.5	226.6	297.8	157.5°	0.0	0.0	0.0
12.2	12.6	17.7	29.1	46.9	76.3	143.6	241.4	315.2	160°	0.0	0.0	0.0
11.3	11.9	17.4	28.6	45.8	78.1	156.2	266.2	343.9	162.5°	0.0	0.0	0.0
10.2	11.4	16.8	27.9	45.1	81.4	169.2	291.3	378.2	165°	0.0	0.0	0.0
9.8	10.9	15.4	26.0	44.5	85.0	183.0	315.3	408.9	167.5°	0.0	0.0	0.0
9.5	10.5	14.3	24.7	43.9	86.7	187.1	324.4	420.8	170°	0.0	0.0	0.0
9.4	10.3	13.6	23.5	43.2	86.8	190.1	327.9	422.5	172.5°	0.0	0.0	0.0
9.1	9.9	12.2	21.1	41.1	86.7	190.4	330.1	417.5	175°	0.0	0.0	0.0
8.6	9.5	12.3	19.9	37.2	82.7	178.4	319.4	397.6	177.5°	0.0	0.0	0.0
8.2	9.3	13.0	20.2	33.2	72.2	156.1	286.2	354.8	180°	0.0	0.0	0.0
7.6	9.1	13.6	20.8	32.0	60.0	118.1	233.7	297.2				
7.0	9.0	14.1	21.3	30.8	49.4	81.8	165.7	222.4				
6.4	8.2	12.8	18.1	25.5	35.9	52.7	108.4	153.4				
5.5	6.6	9.4	12.7	18.7	25.1	31.2	65.5	100.3				
4.5	4.9	6.7	8.2	12.4	14.9	17.3	36.9	70.1				
3.4	3.5	4.5	5.2	7.0	8.2	10.3	22.7	56.8				
1.9	2.2	3.1	3.5	4.2	5.2	6.8	14.5	44.6				
0.8	1.0	1.8	2.0	2.3	2.9	3.8	8.4	13.9				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	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: P227303

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLR-7050-

-SLR-7050-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°	189.3	189.3	189.3	189.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	202.6	204.7	206.4	207.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	193.5	198.2	203.9	208.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	177.2	183.2	192.4	198.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	161.7	170.5	180.6	188.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	151.2	162.1	171.8	180.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	148.3	159.4	168.1	176.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	154.1	165.2	172.6	177.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	167.7	179.6	184.3	183.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	186.3	198.8	198.8	194.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	210.9	219.9	215.0	207.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	228.4	236.8	228.2	216.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	242.9	249.0	238.1	223.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	255.6	260.1	245.7	231.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	270.8	272.5	253.7	238.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	287.7	289.1	265.0	245.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	307.6	302.7	273.4	253.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	319.8	311.9	279.5	256.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	329.5	318.7	282.3	258.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	341.3	328.6	287.2	262.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	356.9	342.4	299.7	273.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	389.0	370.9	322.0	292.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	425.8	408.7	357.8	323.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	455.3	443.8	389.7	352.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	466.2	461.3	412.3	376.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	470.3	474.5	424.3	390.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	473.1	491.5	463.1	434.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	467.3	494.3	478.9	461.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	442.1	474.4	471.4	456.1
								70°	390.6	426.6	437.0	415.2
								72.5°	293.9	338.5	395.3	361.2
								75°	191.4	232.7	337.6	309.4
								77.5°	119.9	145.2	240.8	216.7
								80°	79.8	93.4	152.9	139.2
								82.5°	60.0	66.2	105.1	98.9
								85°	31.6	40.3	81.8	103.7
								87.5°	11.9	13.2	61.5	92.7
								90°	0.0	0.0	0.1	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: P227303

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLR-7050-XXB

-XXB

**CANDELA DISTRIBUTION (continued):**

290°	295°	300°	305°	310°	315°	320°		270°	275°	280°	285°	290°
189.3	189.3	189.3	189.3	189.3	189.3	189.3	110°	0.0	0.0	0.0	0.0	0.0
208.9	210.6	211.7	210.9	212.2	212.5	211.1	112.5°	0.0	0.0	0.0	0.0	0.0
212.8	217.6	221.1	223.5	224.4	225.3	224.9	115°	0.0	0.0	0.0	0.0	0.0
205.6	213.1	219.5	223.9	225.5	226.6	225.6	117.5°	0.0	0.0	0.0	0.0	0.0
197.7	205.4	211.5	215.9	215.8	217.0	215.0	120°	0.0	0.0	0.0	0.0	0.0
190.3	197.8	203.2	203.0	201.7	198.3	197.7	122.5°	0.0	0.0	0.0	0.0	0.0
184.4	188.4	189.7	189.4	185.6	183.6	183.3	125°	0.0	0.0	0.0	0.0	0.0
181.5	181.3	178.2	174.9	171.2	171.0	168.5	127.5°	0.0	0.0	0.0	0.0	0.0
182.0	175.7	170.0	164.2	160.3	159.4	159.7	130°	0.0	0.0	0.0	0.0	0.0
188.1	177.0	166.3	160.4	155.8	154.4	155.0	132.5°	0.0	0.0	0.0	0.0	0.0
195.7	180.8	167.5	158.6	154.8	153.2	153.4	135°	0.0	0.0	0.0	0.0	0.0
200.8	185.3	171.7	160.6	155.5	153.9	154.9	137.5°	0.0	0.0	0.0	0.0	0.0
207.4	191.3	177.3	165.8	158.2	156.1	156.8	140°	0.0	0.0	0.0	0.0	0.0
213.8	197.9	185.2	172.2	162.9	159.1	160.2	142.5°	0.0	0.0	0.0	0.0	0.0
220.8	205.5	192.7	180.8	169.9	164.1	165.4	145°	0.0	0.0	0.0	0.0	0.0
228.9	214.4	203.4	192.5	181.3	176.4	177.0	147.5°	0.0	0.0	0.0	0.0	0.0
236.7	223.1	216.0	207.9	201.4	193.9	193.9	150°	0.0	0.0	0.0	0.0	0.0
241.3	234.4	232.4	230.1	226.3	220.9	219.7	152.5°	0.0	0.0	0.0	0.0	0.0
247.0	247.8	252.2	256.8	258.0	252.7	251.1	155°	0.0	0.0	0.0	0.0	0.0
257.7	265.8	280.4	293.0	295.5	299.9	294.8	157.5°	0.0	0.0	0.0	0.0	0.0
272.8	287.7	312.3	332.9	338.8	339.2	339.6	160°	0.0	0.0	0.0	0.0	0.0
289.9	311.3	343.8	368.4	378.9	381.7	379.7	162.5°	0.0	0.0	0.0	0.0	0.0
319.3	338.7	374.3	400.8	414.3	420.9	419.2	165°	0.0	0.0	0.0	0.0	0.0
348.5	372.6	403.9	430.1	444.4	451.8	453.3	167.5°	0.0	0.0	0.0	0.0	0.0
368.3	390.9	419.8	443.9	458.1	466.9	467.7	170°	0.0	0.0	0.0	0.0	0.0
380.5	401.1	429.4	450.6	464.8	472.2	474.9	172.5°	0.0	0.0	0.0	0.0	0.0
417.3	421.1	440.4	454.4	464.3	467.7	469.7	175°	0.0	0.0	0.0	0.0	0.0
434.6	418.9	416.6	425.3	426.2	424.0	421.2	177.5°	0.0	0.0	0.0	0.0	0.0
410.6	373.8	360.2	359.1	355.5	354.1	345.2	180°	0.0	0.0	0.0	0.0	0.0
356.6	303.6	279.6	266.6	274.5	274.2	265.1						
300.4	246.5	215.4	196.7	194.3	194.0	186.0						
244.0	193.5	166.2	157.1	146.2	142.9	144.3						
175.9	138.1	132.3	139.3	140.1	137.6	135.9						
110.8	103.9	109.5	122.1	129.5	126.2	127.5						
92.4	81.8	82.2	95.5	100.5	101.3	98.7						
102.5	81.9	67.1	65.5	63.8	40.1	55.8						
92.4	63.4	37.3	30.8	18.9	10.9	11.3						
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	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	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: P227303

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLR-7050-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°	189.3	189.3	189.3	189.3	189.3	189.3
0.0	0.0	0.0	0.0	0.0	0.0	2.5°	210.8	209.0	207.0	204.3	204.8	201.5
0.0	0.0	0.0	0.0	0.0	0.0	5°	221.9	218.7	214.4	208.9	203.8	197.2
0.0	0.0	0.0	0.0	0.0	0.0	7.5°	220.8	215.7	208.4	200.1	193.4	183.9
0.0	0.0	0.0	0.0	0.0	0.0	10°	210.8	204.2	198.3	189.7	180.9	172.6
0.0	0.0	0.0	0.0	0.0	0.0	12.5°	196.9	193.2	188.1	181.6	173.1	164.6
0.0	0.0	0.0	0.0	0.0	0.0	15°	181.8	182.1	179.0	177.3	173.0	166.3
0.0	0.0	0.0	0.0	0.0	0.0	17.5°	169.4	172.3	173.9	176.6	177.1	173.8
0.0	0.0	0.0	0.0	0.0	0.0	20°	161.1	165.1	170.2	177.7	185.5	188.8
0.0	0.0	0.0	0.0	0.0	0.0	22.5°	156.4	161.5	169.6	183.2	197.4	206.0
0.0	0.0	0.0	0.0	0.0	0.0	25°	155.6	162.2	173.7	190.2	208.7	220.8
0.0	0.0	0.0	0.0	0.0	0.0	27.5°	157.0	165.7	179.3	198.1	216.3	233.8
0.0	0.0	0.0	0.0	0.0	0.0	30°	161.6	171.8	186.6	206.9	225.8	243.1
0.0	0.0	0.0	0.0	0.0	0.0	32.5°	166.1	178.6	195.0	214.8	233.8	251.1
0.0	0.0	0.0	0.0	0.0	0.0	35°	173.2	185.9	202.6	220.9	239.3	258.9
0.0	0.0	0.0	0.0	0.0	0.0	37.5°	184.1	195.2	208.6	225.6	244.8	265.0
0.0	0.0	0.0	0.0	0.0	0.0	40°	199.6	207.0	215.7	229.1	247.5	269.2
0.0	0.0	0.0	0.0	0.0	0.0	42.5°	222.9	224.4	227.4	234.4	249.9	274.0
0.0	0.0	0.0	0.0	0.0	0.0	45°	252.9	248.3	245.6	244.7	255.3	277.1
0.0	0.0	0.0	0.0	0.0	0.0	47.5°	287.7	278.6	268.2	263.2	265.7	282.0
0.0	0.0	0.0	0.0	0.0	0.0	50°	333.0	318.3	297.8	283.4	282.1	296.5
0.0	0.0	0.0	0.0	0.0	0.0	52.5°	374.6	355.3	329.6	312.5	305.5	323.5
0.0	0.0	0.0	0.0	0.0	0.0	55°	413.9	399.0	369.9	348.7	346.2	359.3
0.0	0.0	0.0	0.0	0.0	0.0	57.5°	448.3	435.5	411.6	384.0	384.9	397.6
0.0	0.0	0.0	0.0	0.0	0.0	59°	466.1	455.4	433.3	405.2	407.3	424.7
0.0	0.0	0.0	0.0	0.0	0.0	60°	472.5	463.5	442.5	418.8	421.5	439.5
0.0	0.0	0.0	0.0	0.0	0.0	62.5°	472.0	466.2	451.0	439.8	453.6	466.8
0.0	0.0	0.0	0.0	0.0	0.0	65°	427.0	418.2	416.5	436.0	462.7	475.4
0.0	0.0	0.0	0.0	0.0	0.0	67.5°	339.6	343.7	360.2	393.9	438.5	457.1
						70°	252.2	259.5	281.5	323.8	385.1	417.1
						72.5°	185.5	192.8	213.1	259.3	316.8	345.2
						75°	145.5	147.8	162.3	198.7	249.7	272.9
						77.5°	134.4	127.8	121.8	141.3	168.4	188.4
						80°	125.2	112.6	98.5	104.4	110.9	132.1
						82.5°	97.2	88.8	77.8	85.4	88.4	89.1
						85°	56.9	50.6	64.1	90.9	89.9	78.7
						87.5°	20.1	26.0	29.3	50.3	60.9	52.7
						90°	0.0	0.3	0.9	1.0	1.4	0.5
						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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CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLR-7050-XXB

**CANDELA DISTRIBUTION (continued):**

355°	359°	360°		325°	330°	335°	340°	345°	350°	355°
189.3	189.3	189.3	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
198.9	196.2	196.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
192.0	185.9	184.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175.7	168.7	167.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.0	154.2	152.9	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155.0	147.6	145.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.7	149.5	148.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.8	159.1	159.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
185.2	179.6	178.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
207.9	201.9	200.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
227.3	224.2	223.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
241.3	242.8	241.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
252.5	257.3	256.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
264.0	273.3	273.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
272.5	289.0	292.3	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
283.4	305.4	308.9	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
291.7	317.6	321.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
299.8	327.6	332.3	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
306.4	337.6	342.3	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
313.9	347.2	351.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
327.4	362.3	367.8	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
356.5	390.4	398.2	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
398.4	429.2	435.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
436.2	455.5	457.2	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
451.8	462.8	462.3	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
463.1	464.5	461.8	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
469.3	456.5	451.9	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
453.2	435.4	429.3	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
406.7	397.3	390.3	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
346.0	322.0	317.5								
262.2	230.7	223.9								
183.2	145.4	136.3								
120.5	93.4	89.9								
78.1	62.0	61.0								
54.5	40.7	37.5								
33.5	13.6	13.0								
10.4	6.3	5.6								
0.3	0.4	0.4								
0.0	0.0	0.0								
0.0	0.0	0.0								
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359°	360°
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