

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: P271816

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271816
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-7027-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) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 497.9 lumens
Efficiency: N/A
Efficacy: 38.3 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

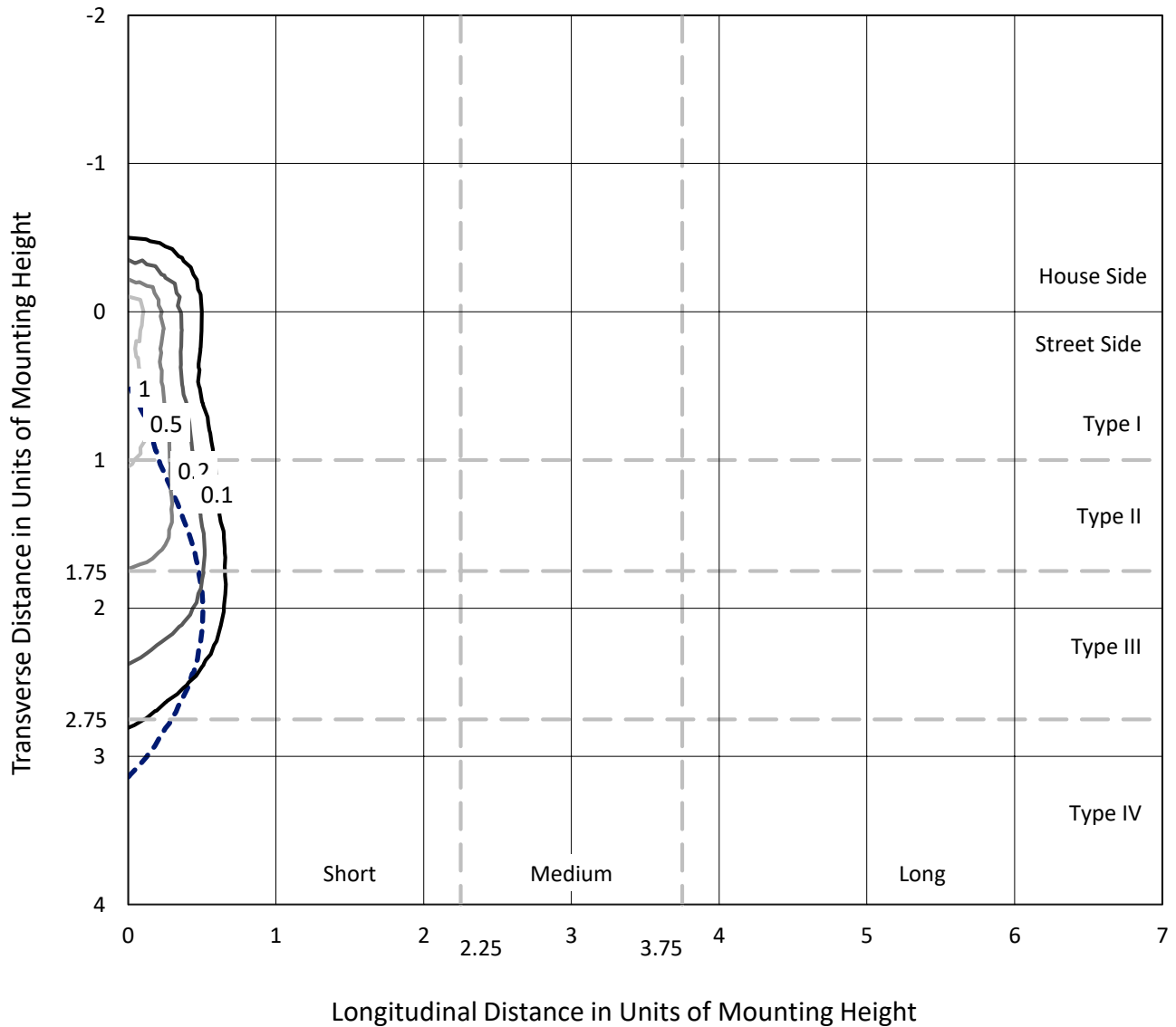


REPORT NUMBER: P271816

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLR-7027-XXB

Iso-Footcandle Lines of Horizontal Illumination

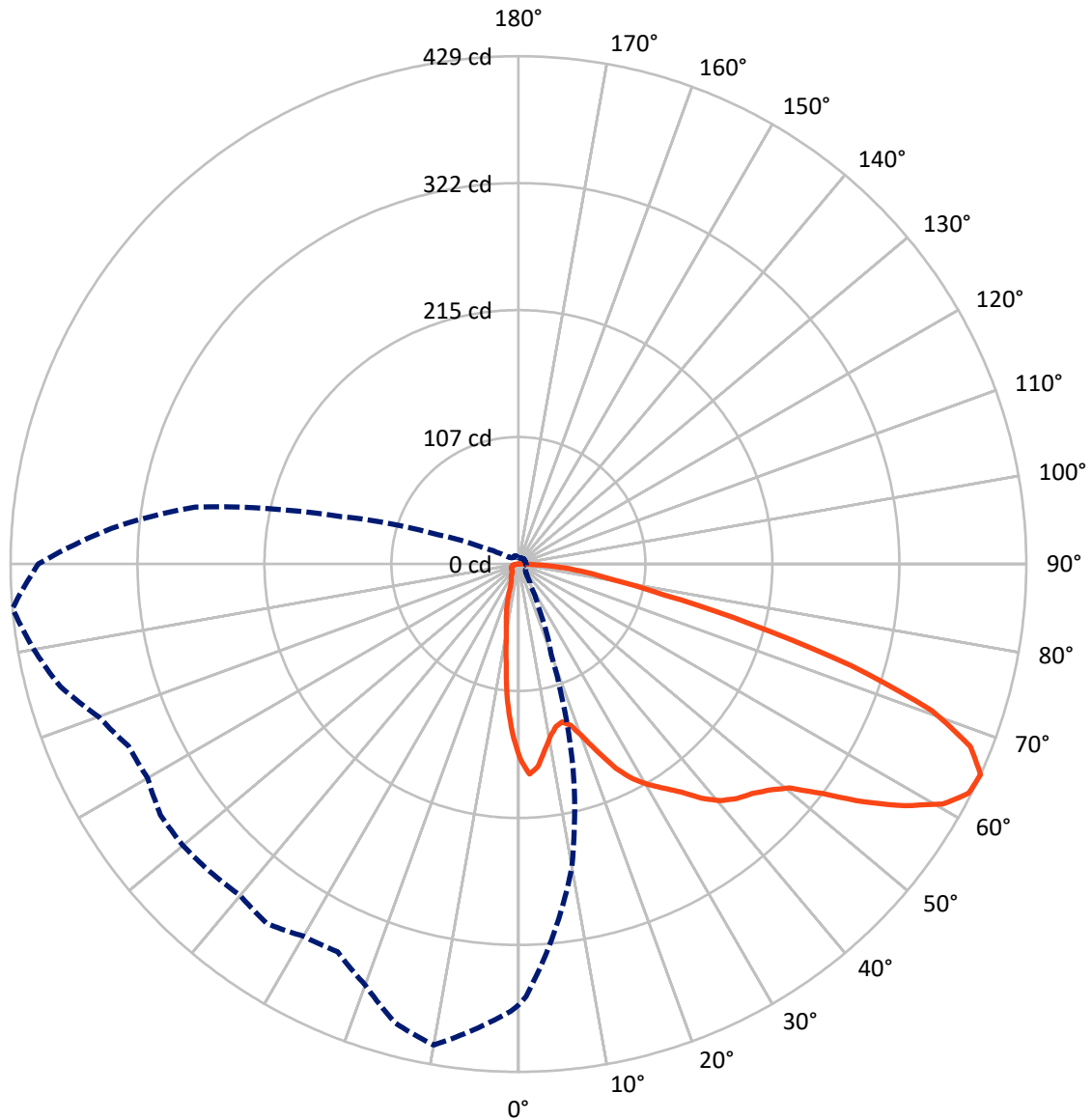
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P271816
CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLR-7027-XXB

Luminous Intensity Polar Plot



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

REPORT NUMBER: P271816

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLR-7027-XXB

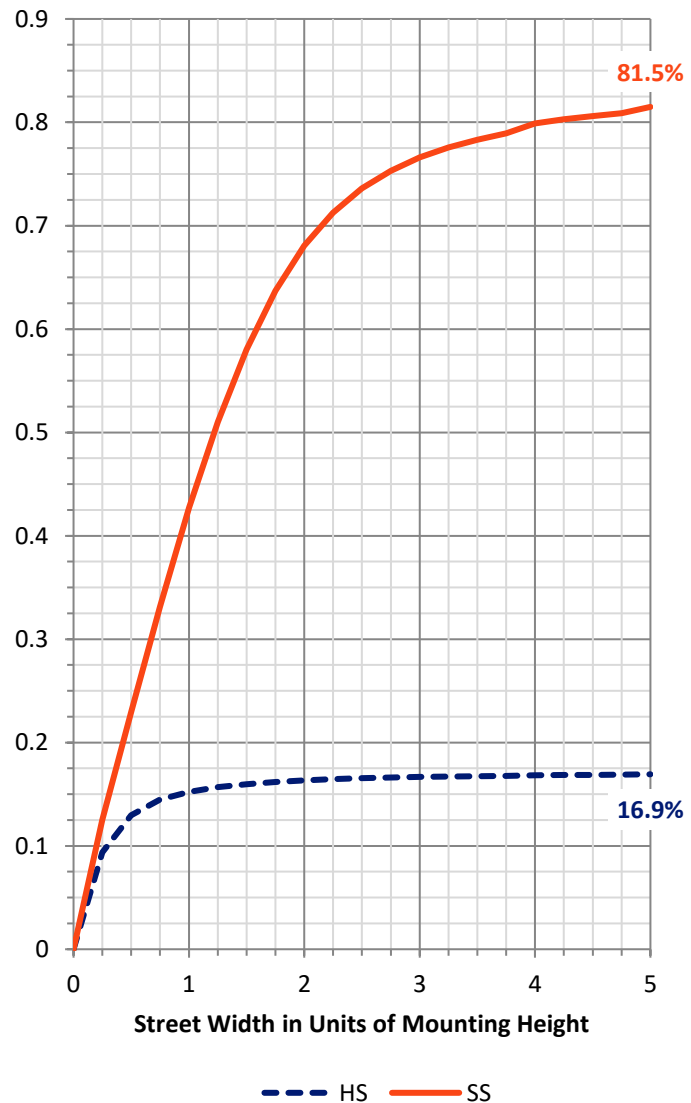
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	85.4	0.0	85.4
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	412.5	0.0	412.5
	% Fixture	82.8	0.0	82.8
Total	Lumens	497.9	0.0	497.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	2.4
10°-20°	23.4	4.7
20°-30°	33.4	6.7
30°-40°	48.5	9.7
40°-50°	69.4	13.9
50°-60°	106.5	21.4
60°-70°	123.3	24.8
70°-80°	62.9	12.6
80°-90°	18.2	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°	497.9	100.0
0°-180°	497.9	100.0



REPORT NUMBER: P271816

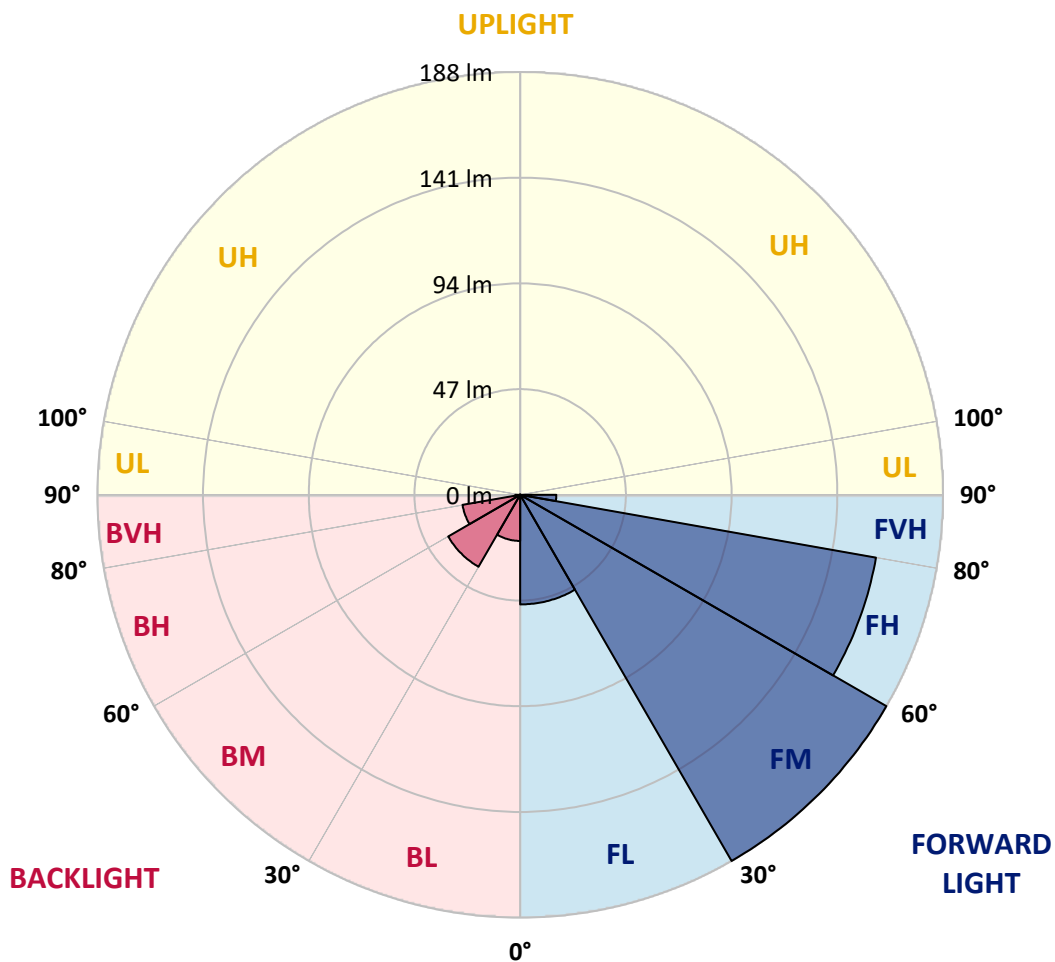
CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLR-7027-XXB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	48.6	9.8			
FM	(30°-60°)	187.5	37.7			
FH	(60°-80°)	160.2	32.2			G0/660
FVH	(80°-90°)	16.0	3.2			G1/100
BL	(0°-30°)	20.4	4.1	B0/110		
BM	(30°-60°)	36.9	7.4	B0/220		
BH	(60°-80°)	26.0	5.2	B0/110		G0/110
BVH	(80°-90°)	2.1	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: P271816

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLR-7027-XXB

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5
2.5°	170.3	169.3	168.1	165.8	163.9	161.2	160.4	157.0	154.9	155.4	151.5
5°	159.9	159.3	156.1	151.4	148.1	141.8	138.2	136.5	131.2	130.5	129.2
7.5°	145.3	143.5	138.5	132.5	127.0	122.3	116.6	112.2	108.2	105.8	101.6
10°	132.8	131.0	125.5	118.1	111.6	105.1	100.5	94.7	89.1	84.7	81.3
12.5°	126.8	124.8	118.4	109.9	102.6	94.5	87.9	82.3	79.1	77.0	74.1
15°	129.2	126.2	118.6	108.3	99.4	90.8	83.7	77.6	73.9	70.6	67.2
17.5°	138.6	134.9	126.3	113.9	101.4	90.3	80.3	73.3	67.5	62.4	57.9
20°	154.9	152.2	139.5	122.3	105.9	90.5	77.3	68.2	61.1	54.7	48.7
22.5°	173.9	169.9	157.5	133.5	111.7	92.1	75.5	63.9	55.4	46.9	40.4
25°	193.9	190.7	174.3	148.6	120.6	95.2	74.1	60.2	48.9	39.3	32.2
27.5°	209.9	207.1	190.9	163.0	128.6	97.8	72.0	56.5	43.6	32.2	24.3
30°	223.0	220.7	203.6	175.0	138.6	98.8	69.0	52.4	37.7	26.1	20.0
32.5°	237.8	235.2	216.0	183.3	143.0	97.9	65.7	48.4	33.0	23.0	17.2
35°	254.0	251.0	229.8	192.1	146.7	95.0	62.8	45.5	30.7	20.9	15.2
37.5°	268.4	266.4	242.1	201.1	150.9	90.2	60.1	42.5	29.3	19.3	13.7
40°	279.6	279.1	255.8	208.5	154.1	86.7	57.9	40.1	27.3	18.8	13.3
42.5°	288.6	288.4	267.2	215.1	155.0	83.5	56.1	37.9	25.5	17.3	13.5
45°	297.4	297.2	278.0	224.3	155.6	83.7	54.7	36.5	24.1	16.3	12.8
47.5°	305.6	307.0	289.4	237.2	161.9	86.6	54.2	35.2	22.9	15.5	12.0
50°	319.5	318.3	307.4	254.5	171.8	92.1	53.4	34.1	21.8	14.6	11.4
52.5°	345.9	344.6	334.9	277.7	182.6	97.7	52.3	32.7	20.5	13.5	10.6
55°	378.3	380.2	366.7	306.0	197.4	102.6	51.1	30.6	18.9	12.4	10.2
57.5°	397.2	395.6	380.2	322.2	206.6	105.0	50.3	28.4	16.3	11.3	9.6
59°	401.6	398.9	377.8	325.0	209.0	103.8	49.9	26.1	14.9	10.8	9.4
60°	401.3	397.9	374.3	323.2	209.8	102.4	49.2	24.7	14.1	10.6	9.3
62.5°	392.6	387.5	353.8	301.9	200.3	95.3	46.5	21.5	13.1	10.2	8.8
65°	373.0	365.8	319.4	260.4	178.9	81.0	40.2	20.3	13.5	10.0	8.4
67.5°	339.1	333.3	275.3	215.4	142.5	65.6	34.8	19.9	13.7	10.2	7.9
70°	275.9	270.9	214.9	161.2	106.8	52.1	31.6	19.7	13.5	9.8	7.5
72.5°	194.6	185.9	142.8	113.0	67.7	42.0	27.4	18.5	13.1	9.4	6.8
75°	118.4	120.0	90.8	82.3	42.7	28.7	21.5	15.6	11.7	8.4	6.2
77.5°	78.2	78.1	66.9	58.1	21.6	17.9	15.2	11.9	9.2	7.0	5.4
80°	53.0	53.6	48.6	39.6	12.0	10.7	10.0	8.7	6.6	5.3	4.4
82.5°	32.6	32.7	37.5	29.6	8.1	6.7	6.4	5.9	4.9	4.1	3.4
85°	11.3	11.6	13.1	20.9	5.4	4.4	4.4	4.1	3.6	2.8	2.2
87.5°	4.9	4.9	5.7	5.7	2.7	2.2	2.1	2.1	2.0	1.4	1.3
90°	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.6	0.6	0.4	0.3
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: P271816

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLR-7027-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: P271816

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLR-7027-XXB

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5
2.5°	150.3	149.3	146.7	146.1	147.0	145.3	144.8	144.4	141.2	142.9	141.0
5°	125.7	125.3	120.0	121.2	120.0	118.3	117.5	119.3	116.2	116.8	117.2
7.5°	96.6	95.5	92.0	89.7	88.2	87.0	85.4	82.7	84.8	84.4	87.6
10°	78.3	76.2	74.0	70.8	68.9	67.1	65.3	64.3	61.9	61.6	60.5
12.5°	71.9	68.7	65.9	63.2	61.2	57.6	54.7	52.9	51.3	49.0	47.3
15°	63.2	60.5	57.0	54.2	51.1	47.9	45.1	42.7	41.6	39.4	38.4
17.5°	54.3	50.3	46.0	43.3	39.1	35.8	33.5	31.9	30.4	28.9	27.8
20°	43.7	38.6	34.0	30.5	27.2	24.0	22.9	21.0	20.3	19.9	20.3
22.5°	33.2	27.9	23.2	20.4	18.7	17.9	16.9	16.6	16.3	16.3	16.3
25°	24.3	19.9	17.6	16.6	15.9	15.5	15.1	14.8	14.6	14.6	14.6
27.5°	18.9	16.5	15.3	14.6	14.1	13.8	13.7	13.5	13.4	13.3	13.4
30°	16.3	15.1	14.2	13.6	12.9	12.4	12.1	12.0	12.1	12.3	12.1
32.5°	14.2	13.4	12.4	11.8	11.4	11.0	11.0	10.9	10.9	11.2	11.2
35°	12.8	11.9	11.3	10.6	10.0	9.7	9.4	9.3	9.4	9.4	9.6
37.5°	11.8	11.2	10.6	9.9	9.4	9.1	8.8	8.7	8.6	8.5	8.5
40°	11.0	10.6	10.2	9.4	8.9	8.6	8.4	8.4	8.3	8.2	8.2
42.5°	11.0	10.2	9.9	9.3	8.7	8.4	8.2	7.9	7.7	7.7	7.7
45°	12.1	10.5	9.9	9.3	8.6	8.3	7.9	7.7	7.5	7.5	7.5
47.5°	11.8	11.8	10.0	9.3	8.7	8.3	7.8	7.6	7.5	7.4	7.3
50°	11.2	12.3	11.2	9.4	8.7	8.2	7.7	7.5	7.3	7.2	7.2
52.5°	10.9	11.4	11.7	9.8	8.8	8.2	7.7	7.5	7.3	7.2	7.1
55°	10.0	10.7	11.2	9.6	8.8	7.9	7.5	7.3	7.1	7.0	6.8
57.5°	9.3	9.7	10.7	9.6	8.5	7.8	7.4	7.1	6.8	6.7	6.6
59°	8.9	8.9	9.5	9.9	8.4	7.7	7.3	7.0	6.7	6.6	6.6
60°	8.7	8.7	9.1	10.2	8.4	7.7	7.2	6.8	6.6	6.6	6.6
62.5°	8.4	8.2	8.4	9.4	8.1	7.5	7.1	6.6	6.5	6.5	6.4
65°	7.9	7.6	7.6	7.8	7.5	7.2	6.8	6.6	6.2	6.2	6.3
67.5°	7.5	7.2	7.2	7.2	7.0	6.8	6.6	6.2	6.0	6.0	6.0
70°	7.0	6.6	6.6	6.5	6.5	6.4	6.1	5.9	5.7	5.7	5.7
72.5°	6.3	6.1	6.0	6.0	5.9	5.7	5.5	5.4	5.3	5.4	5.4
75°	5.6	5.4	5.4	5.2	5.2	5.1	4.9	4.9	4.7	4.9	4.9
77.5°	4.9	4.6	4.5	4.5	4.5	4.5	4.2	4.1	4.1	4.3	4.3
80°	4.0	3.9	3.8	3.8	3.8	3.8	3.5	3.4	3.4	3.5	3.6
82.5°	3.1	2.9	2.9	3.0	3.1	3.1	2.8	2.5	2.5	2.8	3.0
85°	2.0	2.0	2.0	2.1	2.1	2.2	2.0	1.8	1.9	2.0	2.2
87.5°	1.1	1.2	1.1	1.0	1.2	1.1	1.1	1.0	1.1	1.2	1.3
90°	0.3	0.3	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



REPORT NUMBER: P271816

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLR-7027-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: P271816

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLR-7027-XXB

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5
2.5°	142.7	141.2	140.6	143.5	143.2	140.7	140.7	142.4	142.5	141.0	142.8
5°	117.8	116.3	117.7	116.5	117.2	117.0	118.0	116.2	117.0	116.3	114.7
7.5°	87.3	90.2	91.6	89.7	92.2	93.4	91.6	93.4	90.7	88.4	90.5
10°	60.1	63.3	62.7	65.8	66.9	67.6	68.9	67.4	65.4	64.8	63.2
12.5°	46.6	45.9	45.6	46.9	47.7	46.6	47.5	46.5	45.5	43.7	43.7
15°	36.4	35.3	34.7	33.1	32.7	33.0	33.3	33.3	31.4	31.4	32.2
17.5°	27.7	27.4	26.8	25.6	25.0	25.2	25.1	24.6	24.3	24.5	25.5
20°	20.8	20.5	20.9	21.2	20.9	21.0	20.8	20.3	20.1	20.3	20.4
22.5°	16.3	16.8	17.2	17.7	17.8	18.1	18.1	18.1	17.9	17.7	17.2
25°	15.0	15.2	14.9	15.0	15.0	15.5	15.3	15.3	15.0	14.9	15.0
27.5°	13.3	13.1	13.1	13.4	13.4	13.6	13.7	13.6	13.3	13.1	13.3
30°	12.3	12.1	12.0	12.1	12.0	12.1	12.4	12.4	12.1	11.9	11.9
32.5°	11.2	11.2	11.2	11.2	11.2	11.2	11.3	11.0	11.0	11.0	11.0
35°	9.9	10.0	10.2	10.3	10.3	10.3	10.5	10.2	10.2	10.0	10.0
37.5°	8.5	8.7	9.3	9.4	9.5	9.7	9.8	9.6	9.4	9.3	9.2
40°	8.2	8.2	8.4	8.6	8.9	9.1	9.3	8.9	8.8	8.6	8.4
42.5°	7.7	7.8	7.8	7.9	8.1	8.3	8.4	8.3	8.1	7.8	7.6
45°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.4	7.3	7.2	7.2
47.5°	7.4	7.3	7.2	7.2	7.1	7.0	7.0	6.7	6.7	6.7	6.7
50°	7.2	7.1	7.0	6.8	6.6	6.6	6.6	6.6	6.5	6.5	6.6
52.5°	7.0	6.8	6.7	6.6	6.6	6.6	6.6	6.4	6.3	6.3	6.3
55°	6.8	6.7	6.6	6.6	6.5	6.6	6.5	6.4	6.2	6.2	6.2
57.5°	6.6	6.6	6.6	6.5	6.5	6.5	6.5	6.3	6.2	6.0	6.1
59°	6.6	6.6	6.6	6.5	6.4	6.5	6.5	6.2	6.1	6.0	6.0
60°	6.5	6.6	6.5	6.4	6.4	6.5	6.4	6.3	6.1	5.9	6.0
62.5°	6.4	6.4	6.3	6.3	6.2	6.3	6.2	6.0	5.9	5.7	5.6
65°	6.2	6.2	6.1	6.1	6.0	6.0	6.0	5.9	5.7	5.5	5.5
67.5°	6.1	6.0	6.0	6.0	5.9	5.9	5.9	5.7	5.4	5.4	5.3
70°	5.7	5.7	5.7	5.6	5.5	5.6	5.7	5.4	5.2	5.0	4.9
72.5°	5.4	5.4	5.4	5.3	5.3	5.4	5.4	5.2	4.9	4.7	4.6
75°	4.9	4.9	4.9	4.9	4.9	5.0	5.0	4.9	4.5	4.3	4.1
77.5°	4.3	4.3	4.3	4.3	4.3	4.5	4.5	4.3	4.1	4.0	3.8
80°	3.8	3.8	3.8	3.8	3.9	3.9	3.8	3.8	3.6	3.4	3.1
82.5°	3.1	3.1	3.1	3.1	3.1	3.1	2.9	3.1	3.1	2.9	2.5
85°	2.4	2.4	2.4	2.5	2.5	2.2	2.0	2.0	2.2	2.2	2.0
87.5°	1.4	1.4	1.4	1.8	1.5	1.4	1.3	1.3	1.3	1.4	1.2
90°	0.3	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: P271816
 CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLR-7027-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: P271816
 NUMBER: ISW-AF-XXX-LED-E1-SLR-7027-XXB

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION:

160°	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	110°	160°
164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	110°	0.0
142.9	143.3	144.1	143.8	146.5	145.7	147.6	150.3	152.7	151.5	151.8	112.5°	0.0
117.6	117.9	114.8	116.7	119.6	118.4	117.9	121.8	120.9	125.2	121.7	115°	0.0
87.0	86.1	84.5	83.8	81.7	81.7	85.7	87.3	87.1	90.2	93.2	117.5°	0.0
61.2	60.0	58.1	57.6	59.7	60.7	62.5	64.3	66.7	70.1	72.0	120°	0.0
44.9	44.5	44.9	46.2	48.1	49.6	52.2	55.2	57.9	60.6	63.3	122.5°	0.0
34.0	34.8	35.8	36.7	38.2	41.0	42.3	45.7	48.1	50.6	53.6	125°	0.0
26.4	26.9	27.2	27.5	28.7	30.6	30.6	34.1	37.3	40.4	43.1	127.5°	0.0
20.1	20.1	19.2	19.8	19.9	19.8	20.8	22.7	24.8	26.9	31.0	130°	0.0
16.9	16.3	16.1	16.0	16.1	16.3	17.0	17.8	18.1	19.0	20.6	132.5°	0.0
14.9	14.8	14.6	14.6	14.7	14.8	15.5	16.1	16.3	16.5	17.1	135°	0.0
13.1	13.4	13.6	13.5	13.6	13.7	14.1	14.7	15.1	15.2	15.6	137.5°	0.0
11.9	12.0	12.1	12.4	12.4	12.5	12.8	13.5	13.7	14.0	14.6	140°	0.0
11.0	11.2	11.2	11.2	11.2	11.2	11.7	12.3	12.6	12.8	13.0	142.5°	0.0
10.2	10.0	10.0	10.0	9.8	9.7	9.9	10.5	10.6	10.8	11.4	145°	0.0
9.1	8.8	8.6	8.6	8.6	8.7	9.2	9.7	9.8	10.0	10.6	147.5°	0.0
8.1	7.9	7.9	8.1	8.2	8.4	8.6	9.3	9.3	9.5	10.0	150°	0.0
7.5	7.5	7.5	7.6	7.7	7.7	8.3	8.8	8.9	9.3	9.7	152.5°	0.0
7.2	7.3	7.2	7.2	7.3	7.5	7.8	8.5	8.8	9.1	9.5	155°	0.0
7.0	7.0	7.0	7.1	7.1	7.2	7.7	8.4	8.5	8.8	9.6	157.5°	0.0
6.6	6.7	6.6	6.7	6.8	7.1	7.5	8.3	8.4	8.9	9.8	160°	0.0
6.5	6.5	6.5	6.6	6.6	6.7	7.2	7.9	8.4	8.9	10.3	162.5°	0.0
6.4	6.2	6.2	6.3	6.5	6.6	7.1	7.7	8.3	8.8	10.2	165°	0.0
6.3	6.0	6.0	6.0	6.2	6.3	6.7	7.5	8.2	8.6	9.9	167.5°	0.0
6.0	5.9	5.7	5.9	6.0	6.2	6.6	7.4	7.7	8.4	9.4	170°	0.0
6.0	5.7	5.7	5.7	6.0	6.0	6.5	7.2	7.6	8.5	9.7	172.5°	0.0
5.6	5.5	5.5	5.6	5.6	5.7	6.3	7.1	7.4	8.7	8.2	175°	0.0
5.4	5.4	5.4	5.4	5.4	5.5	6.1	6.8	7.1	7.5	7.0	177.5°	0.0
5.2	5.2	5.2	5.2	5.2	5.4	5.9	6.6	6.6	6.6	6.4	180°	0.0
4.9	4.9	4.9	4.9	4.9	5.0	5.5	6.2	6.2	6.0	6.0		
4.6	4.5	4.5	4.5	4.5	4.6	5.1	5.7	5.7	5.6	5.6		
4.1	4.1	4.1	4.1	4.1	4.1	4.6	5.3	5.2	5.1	5.0		
3.6	3.6	3.8	3.6	3.5	3.4	4.0	4.7	4.7	4.6	4.5		
3.1	3.1	3.1	3.1	2.9	2.9	3.2	4.0	4.0	4.0	3.8		
2.5	2.4	2.4	2.4	2.1	2.1	2.5	3.1	3.1	3.1	3.0		
2.0	1.9	1.8	1.7	1.4	1.4	1.8	2.3	2.4	2.1	2.0		
1.0	1.0	1.0	0.8	0.7	0.6	0.9	1.4	1.4	1.2	1.0		
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		

'271816
 ISW-AF-XXX-LED-E1-SLR-7027-XXB

REPORT NUMBER: P271816
 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°	164.5	164.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	153.9	154.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	124.3	127.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	94.1	97.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	75.4	78.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	66.1	70.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	56.8	60.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	46.5	51.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	35.6	40.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	25.0	29.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	18.1	20.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	16.2	16.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	15.2	15.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	13.7	14.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	11.9	12.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	11.2	11.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	10.6	10.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	10.2	10.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	10.0	10.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	10.2	11.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	11.4	11.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	11.7	10.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	10.6	10.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	9.5	8.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	8.5	8.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	7.9	7.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	7.3	7.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	6.7	7.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	6.6	6.7
										70°	6.1	6.3
										72.5°	5.7	5.7
										75°	5.1	5.2
										77.5°	4.5	4.5
										80°	3.8	3.8
										82.5°	2.9	2.8
										85°	1.9	1.8
										87.5°	0.9	0.7
										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: P271816

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

XX-LED-E1-SLR-7027-XXB

tinued):

CANDELA DISTRIBUTION (continued):

225°	230°	235°	240°	245°	250°	255°	260°	265°		215°	220°	225°
164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	110°	0.0	0.0	0.0
158.4	160.8	162.6	162.3	166.3	168.6	168.9	171.4	173.7	112.5°	0.0	0.0	0.0
129.6	132.9	136.0	138.4	144.6	149.7	153.7	157.8	162.9	115°	0.0	0.0	0.0
103.3	106.1	111.3	115.1	121.6	127.5	133.3	140.0	145.5	117.5°	0.0	0.0	0.0
80.9	84.5	89.3	96.4	102.2	109.1	116.3	122.6	132.1	120°	0.0	0.0	0.0
72.8	74.9	78.9	82.3	89.7	96.7	105.0	113.6	122.3	122.5°	0.0	0.0	0.0
64.3	68.1	72.0	76.7	83.1	91.0	99.9	109.1	118.8	125°	0.0	0.0	0.0
56.1	61.2	65.3	70.6	77.6	87.7	99.3	110.9	122.2	127.5°	0.0	0.0	0.0
46.0	50.8	58.0	63.3	72.7	85.1	100.0	116.0	131.4	130°	0.0	0.0	0.0
36.2	41.3	49.6	57.5	67.7	83.8	102.9	124.5	145.2	132.5°	0.0	0.0	0.0
25.9	32.9	41.0	51.0	63.4	82.9	107.1	135.0	162.9	135°	0.0	0.0	0.0
19.3	24.3	34.0	45.1	58.7	81.5	111.4	144.9	174.9	137.5°	0.0	0.0	0.0
17.2	20.8	27.2	38.6	52.8	78.5	114.7	154.1	185.9	140°	0.0	0.0	0.0
15.1	17.8	22.9	32.7	47.5	74.0	116.2	159.1	193.5	142.5°	0.0	0.0	0.0
13.3	15.8	20.9	30.4	44.8	68.9	115.9	164.1	203.1	145°	0.0	0.0	0.0
12.0	14.2	20.1	29.7	42.7	64.2	116.2	172.0	217.2	147.5°	0.0	0.0	0.0
11.2	13.7	19.4	28.5	41.7	61.6	117.2	179.0	229.3	150°	0.0	0.0	0.0
11.2	13.5	17.8	26.7	41.2	61.8	117.6	184.5	238.4	152.5°	0.0	0.0	0.0
11.8	12.7	16.5	25.7	41.5	63.7	117.0	190.0	247.2	155°	0.0	0.0	0.0
11.2	11.8	15.7	25.5	41.5	65.0	118.6	196.9	258.7	157.5°	0.0	0.0	0.0
10.6	11.0	15.5	25.3	40.7	66.3	124.8	209.8	273.8	160°	0.0	0.0	0.0
9.8	10.3	15.1	25.0	39.9	67.9	135.7	231.2	298.8	162.5°	0.0	0.0	0.0
8.8	9.9	14.6	24.3	39.3	70.8	147.0	253.1	328.6	165°	0.0	0.0	0.0
8.5	9.4	13.5	22.6	38.6	73.8	159.0	273.9	355.3	167.5°	0.0	0.0	0.0
8.4	9.2	12.4	21.5	38.1	75.4	162.5	281.9	365.6	170°	0.0	0.0	0.0
8.2	8.9	11.8	20.4	37.5	75.4	165.2	284.9	367.0	172.5°	0.0	0.0	0.0
7.8	8.6	10.6	18.3	35.8	75.4	165.4	286.8	362.7	175°	0.0	0.0	0.0
7.5	8.4	10.7	17.2	32.4	71.9	155.0	277.6	345.4	177.5°	0.0	0.0	0.0
7.2	8.1	11.3	17.4	28.8	62.7	135.6	248.7	308.3	180°	0.0	0.0	0.0
6.6	7.8	11.8	18.1	27.8	52.1	102.6	203.1	258.2				
6.1	7.7	12.3	18.5	26.7	42.8	71.1	144.0	193.2				
5.5	7.2	11.2	15.8	22.1	31.2	45.7	94.2	133.2				
4.9	5.7	8.2	11.0	16.3	21.8	27.1	57.0	87.1				
4.0	4.3	5.7	7.2	10.8	12.8	15.0	32.1	60.9				
3.0	3.1	4.0	4.5	6.1	7.2	8.9	19.8	49.4				
1.7	2.0	2.7	3.1	3.8	4.5	5.9	12.6	38.6				
0.7	0.9	1.5	1.8	2.0	2.5	3.2	7.3	12.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	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: P271816

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLR-7027-

-SLR-7027-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°	164.5	164.5	164.5	164.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	176.1	177.9	179.3	180.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	168.2	172.1	177.1	181.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	153.9	159.1	167.2	172.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	140.6	148.1	156.9	164.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	131.4	140.9	149.3	157.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	128.9	138.5	146.1	153.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	133.8	143.5	149.9	154.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	145.7	156.0	160.2	159.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	161.9	172.7	172.7	169.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	183.3	191.1	186.8	180.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	198.4	205.7	198.3	187.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	211.0	216.3	206.9	194.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	222.0	226.0	213.4	201.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	235.3	236.7	220.4	207.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	250.0	251.2	230.2	213.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	267.2	263.0	237.5	219.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	277.8	271.0	242.8	223.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	286.2	276.9	245.2	224.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	296.5	285.5	249.5	228.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	310.2	297.5	260.4	237.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	337.9	322.3	279.8	254.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	369.9	355.1	310.8	281.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	395.6	385.6	338.6	306.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	405.0	400.7	358.2	326.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	408.5	412.2	368.7	339.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	411.1	427.1	402.4	377.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	405.9	429.4	416.1	400.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	384.1	412.2	409.5	396.2
								70°	339.4	370.6	379.6	360.7
								72.5°	255.3	294.1	343.4	313.8
								75°	166.4	202.2	293.3	268.9
								77.5°	104.1	126.2	209.2	188.3
								80°	69.3	81.0	132.8	120.9
								82.5°	52.1	57.5	91.4	85.9
								85°	27.5	35.0	71.1	90.1
								87.5°	10.3	11.5	53.4	80.5
								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: P271816

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLR-7027-XXB

-XXB

CANDELA DISTRIBUTION (continued):

290°	295°	300°	305°	310°	315°	320°		270°	275°	280°	285°	290°
164.5	164.5	164.5	164.5	164.5	164.5	164.5	110°	0.0	0.0	0.0	0.0	0.0
181.5	183.1	184.0	183.3	184.3	184.6	183.4	112.5°	0.0	0.0	0.0	0.0	0.0
184.8	189.0	192.1	194.1	195.0	195.7	195.4	115°	0.0	0.0	0.0	0.0	0.0
178.7	185.1	190.7	194.6	195.9	196.9	196.0	117.5°	0.0	0.0	0.0	0.0	0.0
171.8	178.4	183.7	187.7	187.6	188.6	186.8	120°	0.0	0.0	0.0	0.0	0.0
165.3	171.8	176.6	176.3	175.2	172.3	171.8	122.5°	0.0	0.0	0.0	0.0	0.0
160.2	163.6	164.7	164.6	161.2	159.6	159.3	125°	0.0	0.0	0.0	0.0	0.0
157.7	157.6	154.9	151.9	148.7	148.6	146.3	127.5°	0.0	0.0	0.0	0.0	0.0
158.1	152.7	147.7	142.7	139.2	138.5	138.8	130°	0.0	0.0	0.0	0.0	0.0
163.4	153.8	144.4	139.3	135.4	134.2	134.7	132.5°	0.0	0.0	0.0	0.0	0.0
170.0	157.1	145.5	137.8	134.5	133.1	133.3	135°	0.0	0.0	0.0	0.0	0.0
174.5	161.0	149.2	139.5	135.0	133.8	134.6	137.5°	0.0	0.0	0.0	0.0	0.0
180.2	166.3	154.0	144.1	137.4	135.6	136.3	140°	0.0	0.0	0.0	0.0	0.0
185.8	171.9	160.9	149.6	141.6	138.2	139.1	142.5°	0.0	0.0	0.0	0.0	0.0
191.8	178.5	167.4	157.1	147.6	142.5	143.7	145°	0.0	0.0	0.0	0.0	0.0
198.9	186.3	176.8	167.3	157.6	153.3	153.8	147.5°	0.0	0.0	0.0	0.0	0.0
205.6	193.9	187.7	180.6	175.0	168.4	168.4	150°	0.0	0.0	0.0	0.0	0.0
209.7	203.6	202.0	200.0	196.5	191.9	190.9	152.5°	0.0	0.0	0.0	0.0	0.0
214.5	215.2	219.2	223.2	224.1	219.5	218.1	155°	0.0	0.0	0.0	0.0	0.0
223.9	231.0	243.6	254.6	256.7	260.5	256.2	157.5°	0.0	0.0	0.0	0.0	0.0
237.0	250.0	271.3	289.3	294.4	294.7	295.0	160°	0.0	0.0	0.0	0.0	0.0
251.9	270.5	298.8	320.1	329.2	331.7	329.9	162.5°	0.0	0.0	0.0	0.0	0.0
277.5	294.3	325.2	348.3	360.0	365.7	364.2	165°	0.0	0.0	0.0	0.0	0.0
302.8	323.7	350.9	373.7	386.1	392.5	393.9	167.5°	0.0	0.0	0.0	0.0	0.0
320.0	339.6	364.7	385.7	397.9	405.7	406.3	170°	0.0	0.0	0.0	0.0	0.0
330.6	348.5	373.1	391.5	403.8	410.3	412.6	172.5°	0.0	0.0	0.0	0.0	0.0
362.6	365.8	382.6	394.7	403.4	406.3	408.1	175°	0.0	0.0	0.0	0.0	0.0
377.6	363.9	361.9	369.6	370.3	368.3	365.9	177.5°	0.0	0.0	0.0	0.0	0.0
356.6	324.7	313.0	311.9	308.8	307.6	299.9	180°	0.0	0.0	0.0	0.0	0.0
309.7	263.8	242.9	231.7	238.5	238.2	230.3						
261.0	214.2	187.0	170.9	168.8	168.5	161.7						
212.0	168.2	144.4	136.5	127.0	124.1	125.3						
152.8	120.0	114.9	121.0	121.7	119.6	118.0						
96.3	90.2	95.1	106.1	112.6	109.8	110.9						
80.3	71.1	71.3	82.9	87.3	87.9	85.7						
89.1	71.1	58.3	57.0	55.3	34.9	48.5						
80.3	55.1	32.4	26.7	16.3	9.4	9.8						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	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: P271816

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLR-7027-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°	164.5	164.5	164.5	164.5	164.5	164.5
0.0	0.0	0.0	0.0	0.0	0.0	2.5°	183.2	181.5	179.8	177.4	178.0	175.0
0.0	0.0	0.0	0.0	0.0	0.0	5°	192.8	190.0	186.3	181.5	177.1	171.4
0.0	0.0	0.0	0.0	0.0	0.0	7.5°	191.8	187.4	181.1	173.9	168.1	159.8
0.0	0.0	0.0	0.0	0.0	0.0	10°	183.2	177.3	172.3	164.7	157.2	149.9
0.0	0.0	0.0	0.0	0.0	0.0	12.5°	171.0	167.8	163.4	157.8	150.4	143.0
0.0	0.0	0.0	0.0	0.0	0.0	15°	157.9	158.2	155.6	154.0	150.4	144.4
0.0	0.0	0.0	0.0	0.0	0.0	17.5°	147.1	149.7	151.1	153.4	153.8	150.9
0.0	0.0	0.0	0.0	0.0	0.0	20°	140.0	143.5	148.0	154.4	161.2	164.1
0.0	0.0	0.0	0.0	0.0	0.0	22.5°	135.9	140.2	147.4	159.1	171.6	179.0
0.0	0.0	0.0	0.0	0.0	0.0	25°	135.1	140.9	150.9	165.3	181.4	191.8
0.0	0.0	0.0	0.0	0.0	0.0	27.5°	136.5	144.0	155.8	172.1	187.9	203.1
0.0	0.0	0.0	0.0	0.0	0.0	30°	140.5	149.3	162.1	179.8	196.2	211.2
0.0	0.0	0.0	0.0	0.0	0.0	32.5°	144.3	155.1	169.4	186.6	203.1	218.1
0.0	0.0	0.0	0.0	0.0	0.0	35°	150.5	161.4	176.1	191.9	207.9	224.8
0.0	0.0	0.0	0.0	0.0	0.0	37.5°	160.0	169.6	181.3	196.0	212.7	230.2
0.0	0.0	0.0	0.0	0.0	0.0	40°	173.5	179.8	187.4	199.1	215.1	233.9
0.0	0.0	0.0	0.0	0.0	0.0	42.5°	193.7	195.0	197.5	203.6	217.1	238.1
0.0	0.0	0.0	0.0	0.0	0.0	45°	219.7	215.8	213.3	212.6	221.8	240.7
0.0	0.0	0.0	0.0	0.0	0.0	47.5°	250.0	242.0	233.0	228.7	230.9	245.0
0.0	0.0	0.0	0.0	0.0	0.0	50°	289.3	276.5	258.7	246.1	245.1	257.5
0.0	0.0	0.0	0.0	0.0	0.0	52.5°	325.5	308.7	286.3	271.5	265.4	281.0
0.0	0.0	0.0	0.0	0.0	0.0	55°	359.5	346.7	321.3	302.9	300.8	312.1
0.0	0.0	0.0	0.0	0.0	0.0	57.5°	389.4	378.4	357.6	333.6	334.3	345.4
0.0	0.0	0.0	0.0	0.0	0.0	59°	405.0	395.6	376.5	352.0	353.8	368.9
0.0	0.0	0.0	0.0	0.0	0.0	60°	410.4	402.7	384.5	363.8	366.1	381.9
0.0	0.0	0.0	0.0	0.0	0.0	62.5°	410.1	405.0	391.8	382.0	394.1	405.6
0.0	0.0	0.0	0.0	0.0	0.0	65°	371.0	363.4	361.7	378.8	401.9	413.0
0.0	0.0	0.0	0.0	0.0	0.0	67.5°	295.0	298.7	313.0	342.3	381.0	397.1
						70°	219.2	225.5	244.6	281.3	334.6	362.4
						72.5°	161.2	167.5	185.1	225.4	275.3	299.9
						75°	126.4	128.4	141.0	172.7	216.9	237.2
						77.5°	116.8	111.0	105.8	122.8	146.3	163.6
						80°	108.8	97.7	85.6	90.7	96.4	114.8
						82.5°	84.5	77.2	67.6	74.2	76.9	77.4
						85°	49.5	43.9	55.8	78.9	78.2	68.5
						87.5°	17.4	22.6	25.5	43.7	52.9	45.7
						90°	0.0	0.3	0.8	0.9	1.3	0.4
						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: P271816

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SLR-7027-XXB

CANDELA DISTRIBUTION (continued):

355°	359°	360°		325°	330°	335°	340°	345°	350°	355°
164.5	164.5	164.5	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.7	170.5	170.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166.8	161.5	159.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.7	146.5	145.3	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.8	133.9	132.8	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134.7	128.2	126.8	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.0	129.9	129.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145.9	138.2	138.6	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160.9	156.0	154.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.6	175.3	173.9	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
197.4	194.8	193.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
209.7	210.9	209.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
219.4	223.6	223.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
229.3	237.5	237.8	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
236.7	251.1	254.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
246.1	265.4	268.4	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
253.4	275.9	279.6	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.4	284.7	288.6	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
266.2	293.3	297.4	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
272.7	301.7	305.6	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
284.4	314.9	319.5	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
309.6	339.2	345.9	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
346.2	372.9	378.3	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
378.9	395.7	397.2	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
392.5	402.0	401.6	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
402.4	403.6	401.3	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
407.7	396.6	392.6	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
393.7	378.3	373.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
353.3	345.2	339.1	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.6	279.8	275.9								
227.8	200.4	194.6								
159.2	126.3	118.4								
104.7	81.0	78.2								
67.9	53.9	53.0								
47.3	35.3	32.6								
29.0	11.8	11.3								
9.1	5.4	4.9								
0.3	0.3	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								
0.0	0.0	0.0								

