

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: P271826

Luminaire Tested: **ISW-AF-350-LED-E1-SLR-7027-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271826
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35948)-DOWNLIGHT AND
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-7027-ULG
Description: IMPACT ELITE LED WEDGE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT, WITH
UPLIGHT GLOW
Light Source: (16) 2700K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3575.9 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B0 - U5 - G1

Input Watts (W): 36.79
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

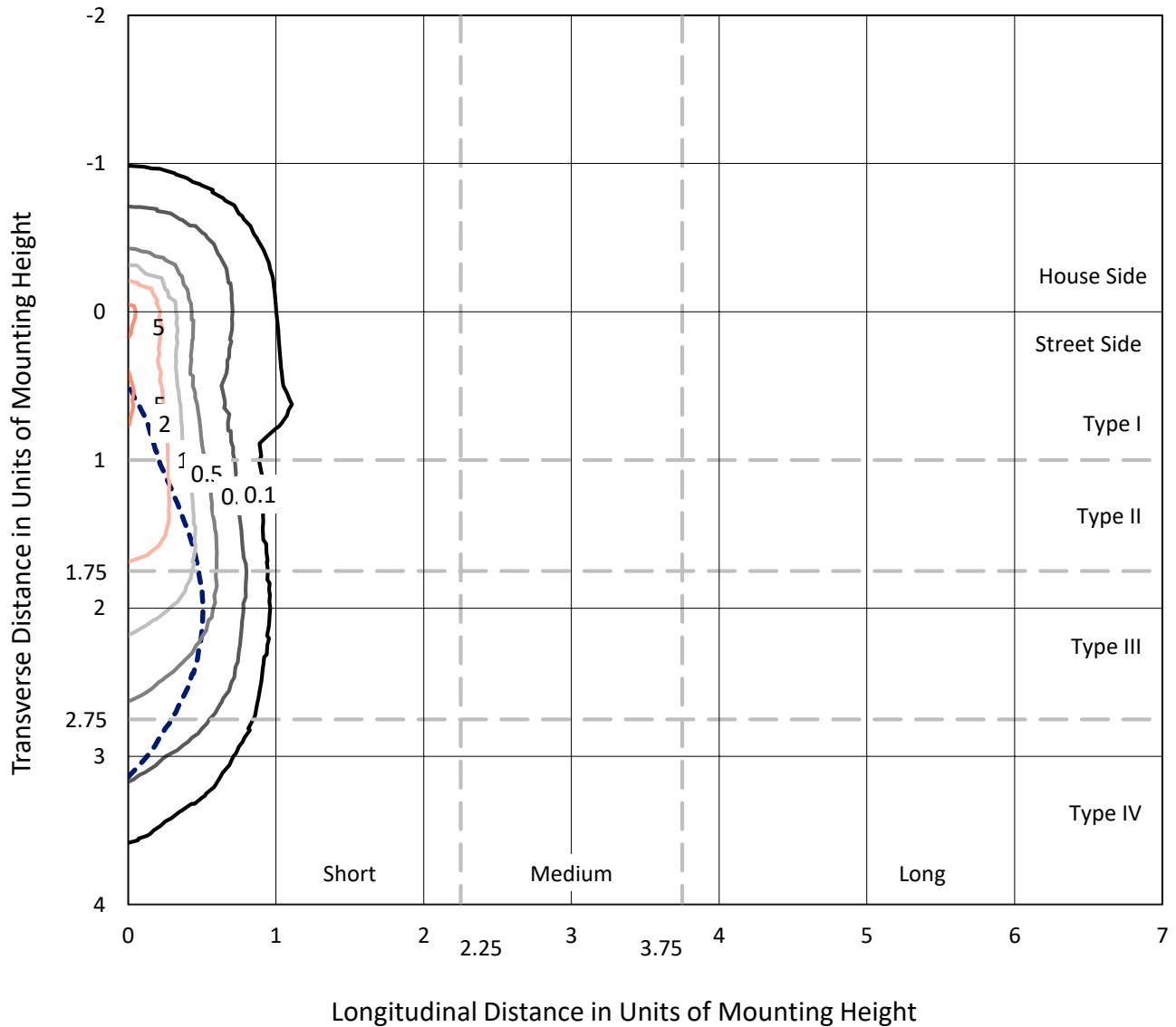


REPORT NUMBER: P271826

CATALOG NUMBER: ISW-AF-350-LED-E1-SLR-7027-ULG

Iso-Footcandle Lines of Horizontal Illumination

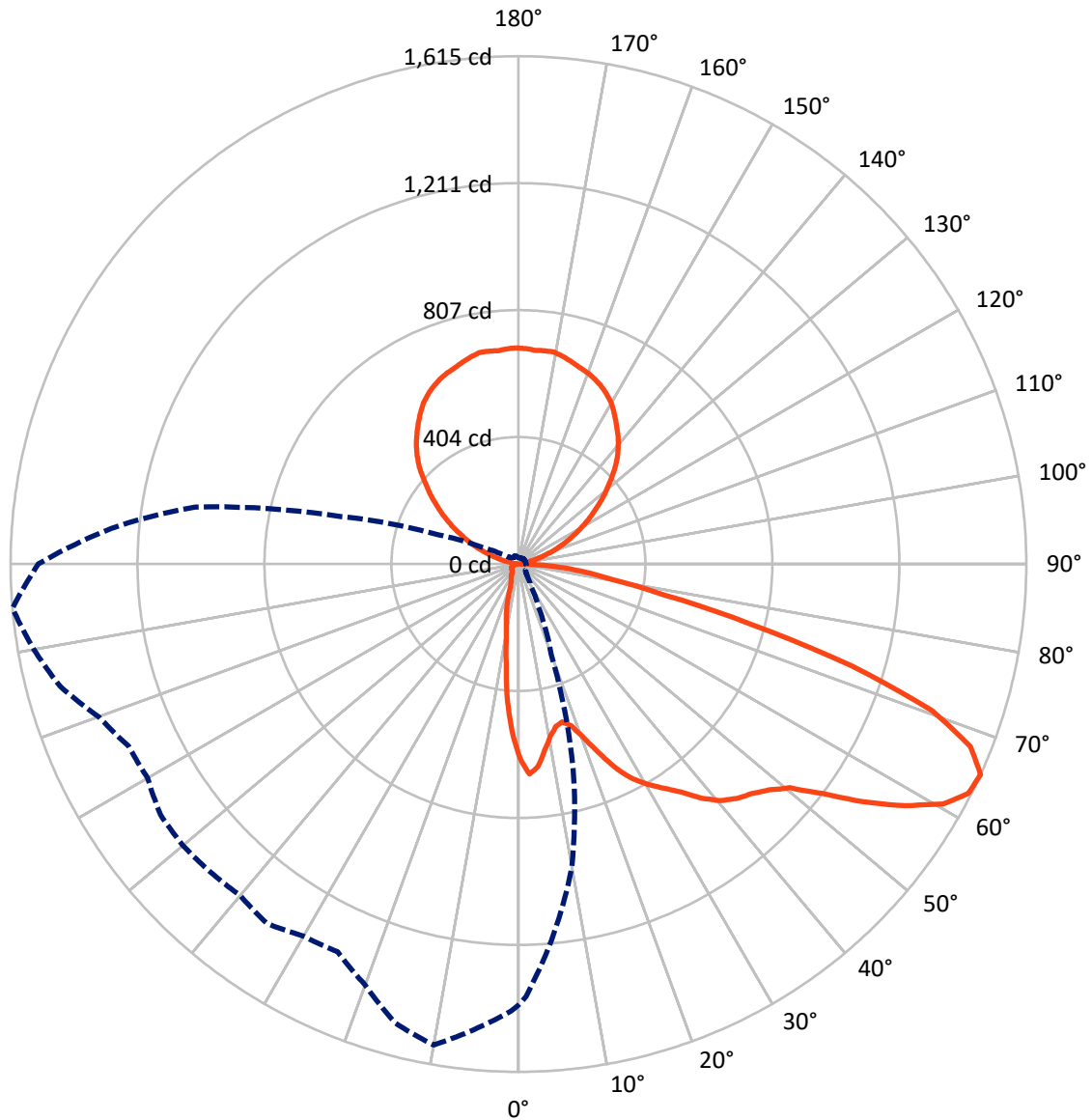
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P271826
CATALOG NUMBER: ISW-AF-350-LED-E1-SLR-7027-ULG

Luminous Intensity Polar Plot



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

REPORT NUMBER: P271826

CATALOG NUMBER: ISW-AF-350-LED-E1-SLR-7027-ULG

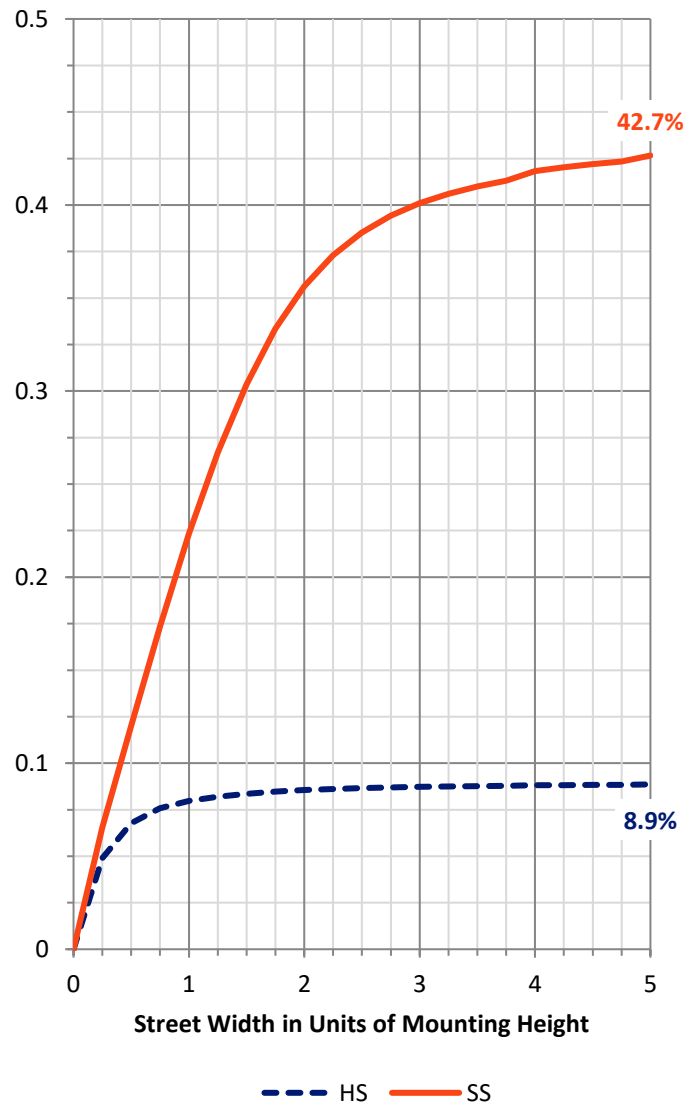
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	321.6	851.5	1173.1
	% Fixture	9.0	23.8	32.8
Street Side	Lumens	1551.2	851.6	2402.8
	% Fixture	43.4	23.8	67.2
Total	Lumens	1872.8	1703.1	3575.9
	% Fixture	52.4	47.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.8	1.3
10°-20°	88.2	2.5
20°-30°	125.7	3.5
30°-40°	182.4	5.1
40°-50°	260.9	7.3
50°-60°	400.5	11.2
60°-70°	463.6	13.0
70°-80°	236.5	6.6
80°-90°	69.3	1.9
90°-100°	9.2	0.3
100°-110°	56.3	1.6
110°-120°	163.0	4.6
120°-130°	268.1	7.5
130°-140°	330.6	9.2
140°-150°	338.2	9.5
150°-160°	284.9	8.0
160°-170°	187.6	5.2
170°-180°	65.0	1.8
0°-90°	1872.8	52.4
0°-180°	3575.9	100.0



REPORT NUMBER: P271826

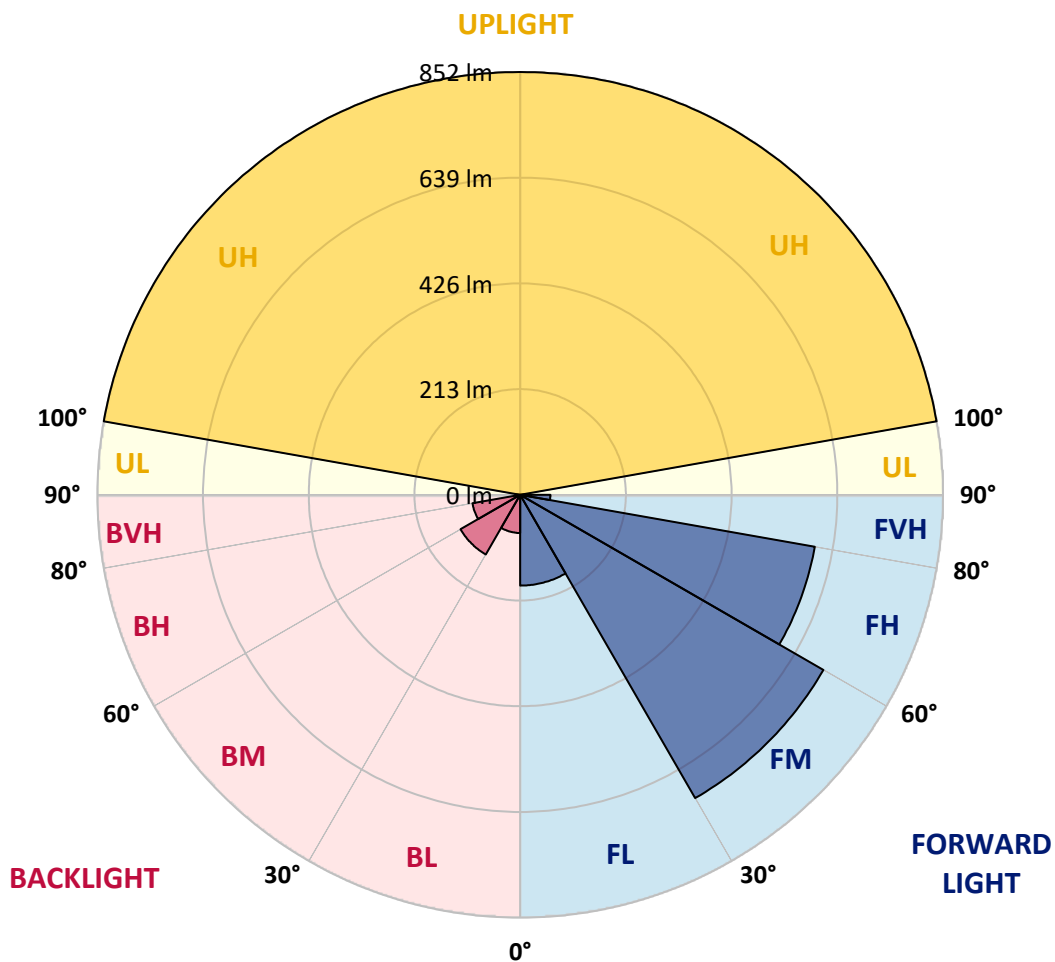
CATALOG NUMBER: ISW-AF-350-LED-E1-SLR-7027-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	182.8	5.1			
FM	(30°-60°)	705.1	19.7			
FH	(60°-80°)	602.5	16.8			G0/660
FVH	(80°-90°)	60.8	1.7			G1/100
BL	(0°-30°)	76.9	2.1	B0/110		
BM	(30°-60°)	138.6	3.9	B0/220		
BH	(60°-80°)	97.7	2.7	B0/110		G0/110
BVH	(80°-90°)	8.4	0.2			G0/10
UL	(90°-100°)	9.2	0.3		U1/10	
UH	(100°-180°)	851.5	23.8		U4/1000	

BUG Rating: B0-U5-G1

Type IV Short





REPORT NUMBER: P271826

CATALOG NUMBER: ISW-AF-350-LED-E1-SLR-7027-ULG

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4
2.5°	640.1	636.4	631.6	623.4	616.1	605.7	603.3	590.4	582.2	584.1	569.3
5°	601.1	598.9	587.2	569.0	556.9	533.3	519.8	512.8	493.3	490.8	485.4
7.5°	546.3	539.6	520.7	498.1	477.6	460.2	438.6	421.8	407.0	397.9	381.8
10°	499.3	492.5	471.9	444.2	419.6	395.3	377.6	356.0	334.9	318.4	305.5
12.5°	476.6	469.1	445.1	413.0	385.6	355.4	330.5	309.1	297.4	289.3	278.5
15°	485.4	474.5	445.8	407.3	373.3	341.2	314.7	291.7	277.8	265.3	252.6
17.5°	521.1	507.5	474.8	428.4	381.2	339.6	301.8	275.6	253.6	234.6	217.7
20°	582.2	572.1	524.5	459.7	398.2	340.5	290.8	256.5	229.7	205.7	183.1
22.5°	653.7	638.5	591.9	501.8	420.0	346.2	283.9	240.4	208.6	176.3	151.8
25°	728.6	716.9	655.2	558.6	453.4	357.9	278.5	226.2	183.6	148.1	121.0
27.5°	789.1	778.7	717.7	613.0	483.8	367.9	270.6	212.7	163.9	121.0	91.1
30°	838.6	829.8	765.9	657.8	521.1	371.4	259.6	196.9	141.8	97.6	75.3
32.5°	894.0	884.3	812.2	689.0	537.7	368.2	246.9	182.1	124.1	86.2	64.6
35°	954.9	943.5	863.8	722.7	551.6	357.3	236.3	171.4	115.6	78.4	57.3
37.5°	1009.1	1001.8	910.4	756.0	567.4	339.0	225.8	159.7	110.0	72.8	51.7
40°	1051.3	1049.4	962.1	783.8	579.7	325.7	217.4	150.6	102.7	70.6	49.8
42.5°	1085.2	1084.6	1004.3	808.7	582.8	314.0	210.7	142.4	96.1	65.1	50.8
45°	1118.0	1117.7	1045.3	843.3	585.0	314.7	205.7	137.4	90.4	61.7	47.9
47.5°	1149.2	1154.0	1088.0	891.5	608.3	325.5	203.8	132.6	86.0	58.0	45.4
50°	1201.6	1196.8	1155.8	956.8	645.8	346.2	200.7	128.5	81.9	54.4	42.8
52.5°	1300.7	1295.4	1258.9	1044.0	686.8	367.7	196.5	122.9	77.2	50.8	40.1
55°	1422.1	1429.2	1378.6	1150.2	742.4	385.6	192.1	115.3	70.9	46.4	38.1
57.5°	1493.3	1487.2	1429.2	1211.3	776.9	394.7	189.4	106.4	61.2	42.5	36.2
59°	1509.9	1499.8	1420.8	1221.7	785.9	390.3	187.7	97.9	56.1	40.6	35.2
60°	1508.3	1496.0	1407.3	1215.0	788.5	384.9	185.2	93.0	53.2	39.6	34.9
62.5°	1475.8	1456.7	1330.4	1135.1	753.2	358.2	174.8	80.9	49.5	38.4	33.1
65°	1402.2	1375.0	1201.2	978.8	672.3	305.0	151.3	76.5	50.5	37.8	31.8
67.5°	1275.0	1253.1	1035.2	809.9	535.9	246.3	130.7	74.6	51.7	38.4	29.9
70°	1037.0	1018.5	807.8	606.4	401.4	195.9	118.8	73.8	50.8	36.9	28.4
72.5°	731.5	699.4	536.7	424.7	254.5	157.6	103.0	69.6	49.5	35.7	25.8
75°	445.1	451.1	341.2	309.4	160.7	108.1	80.9	58.6	43.7	31.8	23.4
77.5°	293.6	293.3	251.7	218.3	81.6	67.1	57.3	45.1	34.3	26.1	20.1
80°	199.2	201.3	182.7	149.0	45.4	40.3	37.5	32.8	25.2	19.9	16.7
82.5°	122.6	122.9	141.4	111.5	30.3	25.5	24.0	22.1	18.0	15.5	12.9
85°	42.5	43.5	49.5	78.7	20.5	16.7	16.7	15.5	13.6	10.4	8.5
87.5°	18.2	18.0	21.4	21.4	10.2	8.5	7.8	7.8	7.5	5.7	4.7
90°	6.2	5.9	5.9	7.2	8.4	9.5	9.7	10.0	10.0	9.3	8.2
92.5°	4.0	4.0	4.0	4.4	4.9	5.4	5.9	5.9	5.9	5.9	5.9
95°	4.9	4.9	4.9	5.4	5.9	6.4	6.8	6.8	6.8	6.8	6.8
97.5°	6.8	6.8	6.8	7.4	7.8	7.8	7.8	8.4	8.8	8.8	8.8
100°	7.8	7.8	7.8	8.4	8.8	9.3	9.8	10.8	11.8	16.2	20.6
102.5°	10.8	10.8	10.8	11.8	12.8	15.2	17.7	22.1	26.5	32.9	39.3
105°	20.6	20.8	21.6	24.1	26.5	30.9	35.3	41.2	47.1	54.4	61.8
107.5°	40.2	40.4	41.2	44.6	48.1	52.6	57.0	64.3	71.7	79.1	86.3



REPORT NUMBER: P271826

CATALOG NUMBER: ISW-AF-350-LED-E1-SLR-7027-ULG

CANDELA DISTRIBUTION (continued):

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
110°	64.8	65.1	66.7	69.7	72.7	79.1	85.4	92.7	100.1	106.0	111.9
112.5°	97.2	97.2	97.2	100.6	104.0	111.4	118.8	125.1	131.5	135.9	140.3
115°	137.4	137.2	136.5	140.3	144.3	150.2	156.0	160.4	164.9	167.8	170.8
117.5°	180.6	180.6	180.6	183.1	185.5	189.5	193.3	195.8	198.3	199.7	201.2
120°	220.8	220.4	218.8	220.4	221.8	225.3	228.7	230.7	232.6	235.5	238.5
122.5°	258.2	257.5	255.2	255.7	256.2	259.1	262.0	264.0	266.0	269.0	271.8
125°	292.5	291.7	288.5	289.5	290.5	291.9	293.5	296.4	299.3	301.8	304.3
127.5°	323.9	323.7	322.9	322.9	322.9	324.8	326.8	329.8	332.7	333.2	333.7
130°	356.3	355.9	354.3	354.8	355.3	357.3	359.2	361.2	363.2	364.2	365.1
132.5°	388.7	388.2	386.7	386.2	385.7	389.7	393.5	395.1	396.5	397.1	397.5
135°	421.0	420.5	418.1	418.1	418.1	421.0	424.0	425.4	427.0	428.0	428.9
137.5°	451.5	450.9	448.5	449.5	450.5	450.9	451.5	453.5	455.4	457.3	459.3
140°	479.0	478.3	476.0	477.0	478.0	479.0	480.0	481.0	481.9	484.8	487.8
142.5°	508.4	507.8	505.5	506.5	507.5	507.9	508.4	509.9	511.3	513.3	515.3
145°	539.8	539.1	535.9	534.9	534.0	535.4	536.8	538.4	539.8	540.3	540.8
147.5°	564.3	563.8	561.4	560.9	560.5	561.9	563.3	563.3	563.3	563.9	564.3
150°	584.0	583.4	581.0	581.6	582.0	582.0	582.0	582.0	582.0	582.0	582.0
152.5°	599.7	599.1	596.7	596.7	596.7	597.2	597.7	598.2	598.7	598.7	598.7
155°	617.3	616.6	613.5	613.5	613.5	614.4	615.4	616.9	618.3	617.3	616.3
157.5°	634.0	633.5	631.1	631.1	631.1	631.6	632.0	633.0	634.0	633.6	633.0
160°	650.7	650.1	647.8	647.3	646.8	645.3	643.8	643.4	642.8	642.8	642.8
162.5°	660.5	659.7	656.6	656.6	656.6	654.7	652.7	650.7	648.8	649.7	650.7
165°	668.4	667.8	665.5	664.5	663.5	663.5	663.5	662.1	660.5	660.5	660.5
167.5°	677.2	676.6	674.3	672.8	671.3	672.3	673.3	674.3	675.3	673.8	672.3
170°	685.0	684.5	682.2	680.6	679.2	679.2	679.2	679.7	680.2	679.2	678.2
172.5°	686.0	685.7	684.1	683.1	682.2	681.2	680.2	678.7	677.2	677.2	677.2
175°	687.0	686.7	685.0	684.6	684.1	683.1	682.2	680.2	678.2	677.7	677.2
177.5°	693.9	693.5	692.0	689.4	687.0	686.6	686.0	685.0	684.1	683.1	682.2
180°	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0



REPORT NUMBER: P271826

CATALOG NUMBER: ISW-AF-350-LED-E1-SLR-7027-ULG

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4
2.5°	564.9	561.4	551.6	549.1	552.3	545.9	544.4	542.8	531.2	537.2	530.2
5°	472.1	471.3	451.5	455.5	451.5	444.5	441.7	448.3	436.7	439.1	440.7
7.5°	362.9	359.1	345.8	337.0	331.7	327.1	321.1	311.3	318.8	317.2	329.2
10°	294.6	286.4	278.1	265.9	258.9	252.3	245.3	241.6	232.8	231.9	227.8
12.5°	270.0	258.4	247.9	237.2	230.0	216.7	205.7	198.7	193.1	184.3	177.7
15°	237.2	227.5	213.9	203.5	192.1	180.2	169.5	160.7	156.6	148.4	144.5
17.5°	204.2	189.4	172.9	162.5	146.9	134.6	125.8	120.0	114.1	109.1	104.7
20°	164.4	145.3	127.6	114.4	102.0	90.1	86.0	79.1	76.5	74.6	76.3
22.5°	125.0	105.2	87.0	76.9	70.2	67.1	63.6	62.4	61.4	61.2	61.7
25°	91.6	75.0	66.1	62.4	59.8	58.0	56.8	55.8	55.2	54.8	55.2
27.5°	70.9	62.1	57.6	55.2	53.2	52.0	51.3	50.5	50.0	49.8	50.0
30°	61.4	56.8	53.6	51.0	48.9	46.6	45.6	45.4	45.6	46.0	45.6
32.5°	53.6	50.0	46.6	44.5	42.8	41.6	41.6	41.0	41.0	42.0	42.2
35°	48.5	45.1	42.5	39.6	37.8	36.5	35.7	34.9	35.2	35.2	36.2
37.5°	44.5	42.0	39.6	37.2	35.2	34.0	33.3	32.8	32.5	32.1	32.1
40°	41.6	40.1	38.1	35.7	33.7	32.5	31.8	31.2	30.9	30.5	30.5
42.5°	41.6	38.4	37.2	34.9	32.8	31.5	30.5	29.9	29.4	29.4	29.4
45°	45.6	39.3	37.2	34.7	32.5	30.9	29.9	28.9	28.4	28.4	28.0
47.5°	44.5	44.1	37.8	34.7	32.8	30.9	29.6	28.7	28.0	27.7	27.4
50°	42.2	46.0	42.2	35.7	32.8	30.5	29.4	28.4	27.4	27.1	27.1
52.5°	41.0	42.8	43.7	36.9	33.1	30.5	28.9	28.0	27.4	26.8	26.5
55°	37.8	40.3	42.0	36.2	33.1	29.9	28.4	27.4	26.5	26.1	25.8
57.5°	34.7	36.5	40.3	36.2	32.1	29.6	27.7	26.5	25.8	25.5	25.2
59°	33.7	33.7	35.9	37.2	31.5	29.4	27.4	26.1	25.5	25.2	24.5
60°	32.8	32.8	34.0	38.1	31.2	28.9	27.1	25.8	25.0	25.0	24.5
62.5°	31.5	30.5	31.2	35.7	30.3	28.4	26.5	25.2	24.3	24.3	24.0
65°	29.9	28.7	28.7	29.6	28.4	27.1	25.8	24.5	23.4	23.4	23.6
67.5°	28.4	27.1	26.8	26.8	26.1	25.8	24.5	23.4	22.6	22.6	22.6
70°	26.1	25.2	25.0	24.3	24.3	24.0	23.0	22.1	21.4	21.6	21.4
72.5°	23.6	23.0	22.4	22.4	22.1	21.6	20.8	20.1	19.9	20.1	20.1
75°	21.1	20.1	20.1	19.5	19.5	19.2	18.2	18.0	17.7	18.0	18.2
77.5°	18.0	17.3	17.0	17.0	17.0	17.0	15.7	15.5	15.5	16.1	16.1
80°	14.8	14.6	14.1	14.1	14.1	13.8	13.3	12.9	12.9	13.3	13.6
82.5°	11.4	10.7	10.7	11.0	11.4	11.4	10.4	9.8	9.8	10.4	11.0
85°	7.5	7.5	7.5	7.8	7.8	8.2	7.5	6.6	7.0	7.3	8.2
87.5°	4.1	4.4	4.1	3.9	4.4	4.1	4.1	3.9	4.1	4.4	4.7
90°	8.2	8.2	8.8	9.4	9.2	9.4	8.4	7.8	7.2	7.2	8.4
92.5°	6.4	6.8	6.8	6.8	6.4	5.9	5.9	5.9	5.9	5.9	5.9
95°	6.8	6.8	7.4	7.8	7.4	6.8	6.8	6.8	6.8	6.8	6.8
97.5°	10.3	11.8	10.8	9.8	9.3	8.8	8.4	7.8	7.8	7.8	8.4
100°	24.5	28.5	26.9	25.5	24.1	22.5	20.6	18.7	18.7	18.7	20.6
102.5°	44.2	49.0	47.6	46.2	43.7	41.2	39.7	38.3	37.3	38.3	39.7
105°	66.3	70.7	69.7	68.7	66.3	63.8	61.8	59.8	59.8	59.8	61.8
107.5°	89.8	93.2	92.7	92.3	90.3	88.3	86.9	85.4	84.4	85.4	86.9



REPORT NUMBER: P271826

CATALOG NUMBER: ISW-AF-350-LED-E1-SLR-7027-ULG

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
110°	114.8	117.8	118.3	118.8	117.8	116.8	115.3	113.8	114.8	113.8	115.3
112.5°	142.8	145.3	146.2	147.2	146.7	146.2	145.3	144.3	144.3	144.3	145.3
115°	173.2	175.7	177.1	178.7	177.1	175.7	174.7	173.7	174.7	173.7	174.7
117.5°	204.2	207.1	209.0	211.0	208.6	206.1	205.2	204.2	205.2	204.2	205.2
120°	239.9	241.5	243.4	245.3	242.9	240.5	239.5	238.5	238.5	238.5	239.5
122.5°	272.8	273.8	275.8	277.8	275.3	272.8	271.8	270.9	271.8	270.9	271.8
125°	305.7	307.2	308.2	309.2	306.7	304.3	304.3	304.3	304.3	304.3	304.3
127.5°	336.1	338.6	339.1	339.6	339.6	339.6	339.1	338.6	340.5	338.6	339.1
130°	367.6	370.0	372.0	374.0	374.0	374.0	373.0	372.0	373.0	372.0	373.0
132.5°	400.5	403.4	405.9	408.3	407.3	406.3	406.3	406.3	407.3	406.3	406.3
135°	431.8	434.8	437.3	439.7	439.2	438.7	440.2	441.7	442.7	441.7	440.2
137.5°	461.8	464.2	465.2	466.2	466.7	467.2	469.6	472.1	473.0	472.1	469.6
140°	489.3	490.7	491.7	492.7	493.7	494.7	497.1	499.5	501.5	499.5	497.1
142.5°	516.3	517.2	520.2	523.2	523.2	523.2	523.6	524.1	526.0	524.1	523.6
145°	543.3	545.7	548.7	551.6	551.1	550.6	549.1	547.7	549.7	547.7	549.1
147.5°	566.8	569.3	571.7	574.2	574.6	575.2	573.7	572.2	574.2	572.2	573.7
150°	584.0	586.0	587.4	588.9	590.4	591.8	593.3	594.8	598.7	594.8	593.3
152.5°	599.2	599.7	601.1	602.7	604.6	606.5	609.1	611.5	616.3	611.5	609.1
155°	615.4	614.4	616.9	619.3	621.8	624.2	625.2	626.2	629.2	626.2	625.2
157.5°	632.6	632.0	634.0	636.0	637.0	638.0	638.0	638.0	642.8	638.0	638.0
160°	644.4	645.8	648.8	651.7	650.2	648.8	648.3	647.8	653.7	647.8	648.3
162.5°	652.7	654.7	656.6	658.5	658.1	657.6	656.6	655.7	661.5	655.7	656.6
165°	660.1	659.5	662.1	664.5	665.9	667.4	666.5	665.5	669.3	665.5	666.5
167.5°	668.9	665.5	668.4	671.3	673.3	675.3	675.3	675.3	681.2	675.3	675.3
170°	675.7	673.3	674.8	676.2	678.7	681.2	682.2	683.1	688.0	683.1	682.2
172.5°	676.7	676.2	677.7	679.2	680.2	681.2	682.2	683.1	688.0	683.1	682.2
175°	677.2	677.2	679.7	682.2	682.6	683.1	682.2	681.2	686.0	681.2	682.2
177.5°	681.6	681.2	683.6	686.0	687.0	688.0	686.6	685.0	689.0	685.0	686.6
180°	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0



REPORT NUMBER: P271826

CATALOG NUMBER: ISW-AF-350-LED-E1-SLR-7027-ULG

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4
2.5°	536.5	531.2	528.3	539.3	538.4	528.9	528.9	535.6	535.9	530.2	536.7
5°	442.7	437.3	442.2	437.8	440.3	440.1	443.9	436.9	439.8	437.3	431.3
7.5°	328.3	339.0	344.6	337.4	346.6	351.2	344.6	351.2	340.9	332.4	340.5
10°	225.8	237.8	235.6	247.3	251.7	254.2	258.9	253.0	245.8	243.5	237.5
12.5°	175.2	172.7	171.7	176.3	179.2	175.2	178.7	174.8	171.0	164.4	164.1
15°	137.0	132.9	130.2	124.8	122.9	123.8	125.3	125.3	117.8	118.1	121.0
17.5°	103.9	103.0	100.8	96.4	93.5	94.5	94.2	92.6	91.6	92.3	95.8
20°	78.2	77.2	78.4	79.7	78.7	79.1	77.8	76.3	75.5	76.3	76.9
22.5°	61.7	63.0	64.6	66.5	66.7	68.5	68.0	68.5	67.1	66.5	64.9
25°	56.4	57.0	56.1	56.4	56.4	58.0	57.6	57.6	56.4	56.1	56.4
27.5°	49.8	49.5	49.5	50.0	50.0	51.0	51.7	51.0	49.8	49.5	49.8
30°	46.0	45.6	45.4	45.6	45.4	45.6	46.4	46.4	45.6	44.7	45.1
32.5°	42.2	42.2	42.0	42.2	42.0	42.0	42.5	41.6	41.6	41.2	41.2
35°	37.2	37.8	38.4	38.8	38.8	38.8	39.3	38.4	38.1	37.8	37.8
37.5°	32.1	32.8	34.7	35.7	35.9	36.5	36.9	36.2	35.7	34.9	34.3
40°	30.5	30.5	31.2	32.5	33.7	34.0	34.7	33.7	33.3	32.5	31.5
42.5°	29.4	29.6	29.6	29.9	30.3	30.9	31.8	30.9	30.3	29.6	28.7
45°	28.4	28.4	28.4	28.4	28.0	28.0	28.4	27.7	27.4	27.1	27.1
47.5°	27.7	27.4	27.1	26.8	26.5	26.1	26.1	25.5	25.5	25.5	25.5
50°	27.1	26.5	26.1	25.8	25.2	25.2	25.2	24.5	24.3	24.3	24.5
52.5°	26.1	25.8	25.5	25.2	25.0	24.5	24.5	24.0	23.6	23.6	23.6
55°	25.8	25.5	25.0	24.5	24.3	24.5	24.3	24.0	23.4	23.4	23.4
57.5°	25.0	25.2	25.0	24.3	24.3	24.3	24.3	23.6	23.4	22.6	23.0
59°	24.5	25.0	24.5	24.3	24.0	24.3	24.3	23.4	23.0	22.6	22.6
60°	24.3	24.5	24.3	24.0	24.0	24.3	24.0	23.6	23.0	22.1	22.4
62.5°	24.0	24.0	23.6	23.6	23.4	23.6	23.4	22.6	22.1	21.4	21.1
65°	23.4	23.4	23.0	23.0	22.6	22.6	22.6	22.1	21.4	20.8	20.8
67.5°	23.0	22.6	22.4	22.4	22.1	22.1	22.1	21.4	20.5	20.1	19.9
70°	21.6	21.4	21.4	21.1	20.8	21.1	21.4	20.5	19.5	19.0	18.5
72.5°	20.5	20.1	20.1	19.9	19.9	20.1	20.5	19.5	18.2	17.7	17.3
75°	18.5	18.2	18.2	18.2	18.2	19.0	19.0	18.0	17.0	16.1	15.5
77.5°	16.1	16.3	16.3	16.3	16.3	17.0	17.0	16.3	15.5	14.8	13.8
80°	13.8	13.8	14.1	14.1	14.6	14.6	14.1	13.8	13.6	12.9	11.7
82.5°	11.7	11.7	11.7	11.7	11.7	11.4	10.7	11.4	11.4	10.7	9.8
85°	9.2	9.2	9.2	9.4	9.4	8.5	7.5	7.5	8.5	8.2	7.5
87.5°	5.4	5.4	5.7	6.6	6.0	5.7	4.7	5.0	4.7	5.4	4.4
90°	10.2	9.8	9.8	8.2	7.5	6.8	6.8	7.4	7.8	7.8	7.8
92.5°	5.9	6.4	6.8	6.8	6.8	6.4	5.9	5.9	5.9	5.9	5.9
95°	6.8	7.4	7.8	7.4	6.8	6.8	6.8	6.8	6.8	6.8	6.8
97.5°	8.8	9.3	9.8	10.8	11.8	10.3	8.8	8.8	8.8	8.4	7.8
100°	22.5	24.1	25.5	26.9	28.5	24.5	20.6	16.2	11.8	10.8	9.8
102.5°	41.2	43.7	46.2	47.6	49.0	44.2	39.3	32.9	26.5	22.1	17.7
105°	63.8	66.3	68.7	69.7	70.7	66.3	61.8	54.4	47.1	41.2	35.3
107.5°	88.3	90.3	92.3	92.7	93.2	89.8	86.3	79.1	71.7	64.3	57.0



REPORT NUMBER: P271826
 CATALOG NUMBER: ISW-AF-350-LED-E1-SLR-7027-ULG

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	
110°	116.8	117.8	118.8	118.3	117.8	114.8	111.9	106.0	100.1	92.7	85.4	0°
112.5°	146.2	146.7	147.2	146.2	145.3	142.8	140.3	135.9	131.5	125.1	118.8	2.5°
115°	175.7	177.1	178.7	177.1	175.7	173.2	170.8	167.8	164.9	160.4	156.0	5°
117.5°	206.1	208.6	211.0	209.0	207.1	204.2	201.2	199.7	198.3	195.8	193.3	7.5°
120°	240.5	242.9	245.3	243.4	241.5	239.9	238.5	235.5	232.6	230.7	228.7	10°
122.5°	272.8	275.3	277.8	275.8	273.8	272.8	271.8	269.0	266.0	264.0	262.0	12.5°
125°	304.3	306.7	309.2	308.2	307.2	305.7	304.3	301.8	299.3	296.4	293.5	15°
127.5°	339.6	339.6	339.6	339.1	338.6	336.1	333.7	333.2	332.7	329.8	326.8	17.5°
130°	374.0	374.0	374.0	372.0	370.0	367.6	365.1	364.2	363.2	361.2	359.2	20°
132.5°	406.3	407.3	408.3	405.9	403.4	400.5	397.5	397.1	396.5	395.1	393.5	22.5°
135°	438.7	439.2	439.7	437.3	434.8	431.8	428.9	428.0	427.0	425.4	424.0	25°
137.5°	467.2	466.7	466.2	465.2	464.2	461.8	459.3	457.3	455.4	453.5	451.5	27.5°
140°	494.7	493.7	492.7	491.7	490.7	489.3	487.8	484.8	481.9	481.0	480.0	30°
142.5°	523.2	523.2	523.2	520.2	517.2	516.3	515.3	513.3	511.3	509.9	508.4	32.5°
145°	550.6	551.1	551.6	548.7	545.7	543.3	540.8	540.3	539.8	538.4	536.8	35°
147.5°	575.2	574.6	574.2	571.7	569.3	566.8	564.3	563.9	563.3	563.3	563.3	37.5°
150°	591.8	590.4	588.9	587.4	586.0	584.0	582.0	582.0	582.0	582.0	582.0	40°
152.5°	606.5	604.6	602.7	601.1	599.7	599.2	598.7	598.7	598.7	598.2	597.7	42.5°
155°	624.2	621.8	619.3	616.9	614.4	615.4	616.3	617.3	618.3	616.9	615.4	45°
157.5°	638.0	637.0	636.0	634.0	632.0	632.6	633.0	633.6	634.0	633.0	632.0	47.5°
160°	648.8	650.2	651.7	648.8	645.8	644.4	642.8	642.8	642.8	643.4	643.8	50°
162.5°	657.6	658.1	658.5	656.6	654.7	652.7	650.7	649.7	648.8	650.7	652.7	52.5°
165°	667.4	665.9	664.5	662.1	659.5	660.1	660.5	660.5	660.5	662.1	663.5	55°
167.5°	675.3	673.3	671.3	668.4	665.5	668.9	672.3	673.8	675.3	674.3	673.3	57.5°
170°	681.2	678.7	676.2	674.8	673.3	675.7	678.2	679.2	680.2	679.7	679.2	59°
172.5°	681.2	680.2	679.2	677.7	676.2	676.7	677.2	677.2	677.2	678.7	680.2	60°
175°	683.1	682.6	682.2	679.7	677.2	677.2	677.2	677.7	678.2	680.2	682.2	62.5°
177.5°	688.0	687.0	686.0	683.6	681.2	681.6	682.2	683.1	684.1	685.0	686.0	65°
180°	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	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: P271826
 NUMBER: ISW-AF-350-LED-E1-SLR-7027-ULG

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

160°	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	110°	160°
618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	110°	79.1
537.5	538.7	541.5	540.6	551.0	547.9	555.2	564.9	573.9	569.5	570.9	112.5°	111.4
442.0	443.5	431.5	438.8	449.5	445.1	443.5	458.0	454.6	471.0	457.3	115°	150.2
327.3	323.5	317.9	315.0	307.1	307.1	322.0	328.6	327.6	339.0	350.6	117.5°	189.5
230.0	225.6	218.6	216.7	224.7	228.3	235.0	241.6	250.4	263.3	270.9	120°	225.3
168.8	167.3	168.8	173.6	180.8	186.2	196.3	207.9	217.7	228.1	238.2	122.5°	259.1
127.6	130.7	134.8	138.0	143.7	153.7	159.1	172.0	180.8	189.9	201.6	125°	291.9
99.3	101.1	102.0	103.3	108.1	115.3	115.3	128.5	140.1	152.2	162.0	127.5°	324.8
75.5	75.5	72.4	74.3	75.0	74.3	78.2	85.7	93.2	101.1	116.6	130°	357.3
63.3	61.4	60.5	60.2	60.5	61.7	64.0	66.7	68.0	71.5	77.5	132.5°	389.7
56.1	55.8	54.8	54.8	55.4	55.8	58.0	60.5	61.2	62.1	64.3	135°	421.0
49.5	50.0	51.0	50.8	51.0	51.7	53.2	55.4	56.8	57.0	58.6	137.5°	450.9
44.7	45.4	45.6	46.6	46.6	46.9	48.1	50.5	51.3	52.9	54.4	140°	479.0
41.6	42.0	42.2	42.0	42.2	42.2	43.7	46.0	47.3	48.1	49.1	142.5°	507.9
38.1	37.8	37.8	37.8	36.9	36.5	37.2	39.3	39.6	40.6	42.8	145°	535.4
34.0	33.1	32.5	32.5	32.5	32.8	34.3	36.5	36.9	37.8	39.6	147.5°	561.9
30.3	29.9	29.9	30.3	30.5	31.2	32.5	34.7	34.9	35.9	37.5	150°	582.0
28.4	28.4	28.4	28.7	28.9	29.4	30.9	33.1	33.7	34.7	36.5	152.5°	597.2
27.1	27.4	27.1	27.1	27.4	28.0	29.6	32.1	33.1	34.0	35.9	155°	614.4
26.1	26.1	26.1	26.5	26.5	27.1	28.9	31.5	32.1	33.3	36.2	157.5°	631.6
25.0	25.5	25.2	25.5	25.8	26.5	28.4	30.9	31.8	33.7	36.9	160°	645.3
24.3	24.3	24.3	24.5	25.2	25.5	27.1	29.9	31.2	33.7	38.8	162.5°	654.7
24.0	23.4	23.4	23.6	24.3	25.0	26.5	29.4	30.9	33.3	38.4	165°	663.5
23.6	22.6	22.4	22.6	23.4	23.6	25.5	28.4	30.5	32.5	37.2	167.5°	672.3
22.6	22.1	21.6	22.1	22.6	23.4	25.0	27.7	29.4	31.8	35.7	170°	679.2
22.4	21.4	21.4	21.6	22.4	22.6	24.3	27.1	28.7	32.1	36.5	172.5°	681.2
21.1	20.8	20.8	21.1	21.1	21.6	23.6	26.5	27.7	32.8	30.5	175°	683.1
20.1	20.1	20.1	20.1	20.5	20.8	23.0	25.8	26.5	28.4	26.1	177.5°	686.6
19.5	19.5	19.5	19.5	19.5	20.1	22.1	25.0	25.2	25.0	24.0	180°	687.0
18.2	18.2	18.2	18.2	18.5	19.0	20.8	23.4	23.4	22.6	22.6		
17.3	17.0	17.0	17.0	17.0	17.3	19.2	21.6	21.4	21.1	21.1		
15.5	15.5	15.5	15.5	15.5	15.5	17.3	19.9	19.5	19.2	19.0		
13.6	13.6	13.8	13.6	13.3	12.9	14.8	17.7	17.7	17.3	17.0		
11.7	11.4	11.7	11.4	10.7	10.7	12.3	14.8	15.1	14.8	14.1		
9.4	9.2	9.2	9.2	7.8	7.8	9.4	11.9	11.9	11.7	11.0		
7.3	7.0	6.6	6.3	5.4	5.4	6.6	8.8	9.2	7.8	7.5		
3.9	3.9	3.9	2.9	2.5	2.2	3.4	5.4	5.4	4.4	3.9		
7.4	6.8	5.9	4.9	4.9	4.9	5.9	7.2	7.4	7.8	7.8		
5.4	4.9	4.4	4.0	4.0	4.0	4.4	4.9	5.4	5.9	5.9		
6.4	5.9	5.4	4.9	4.9	4.9	5.4	5.9	6.4	6.8	6.8		
7.8	7.8	7.4	6.8	6.8	6.8	7.4	7.8	7.8	7.8	8.4		
9.3	8.8	8.4	7.8	7.8	7.8	8.4	8.8	9.3	9.8	10.8		
15.2	12.8	11.8	10.8	10.8	10.8	11.8	12.8	15.2	17.7	22.1		
30.9	26.5	24.1	21.6	20.6	21.6	24.1	26.5	30.9	35.3	41.2		
52.6	48.1	44.6	41.2	40.2	41.2	44.6	48.1	52.6	57.0	64.3		

271826
 ISW-AF-350-LED-E1-SLR-7027-ULG

REPORT NUMBER: P271826
 CATALOG NUMBER: ISW-AF-31

TION (continued):

CANDELA DISTRIBUTION (con

165°	170°	175°	180°	185°	190°	195°	200°	205°	210°		215°	220°
72.7	69.7	66.7	64.8	66.7	69.7	72.7	79.1	85.4	92.7	0°	618.4	618.4
104.0	100.6	97.2	97.2	97.2	100.6	104.0	111.4	118.8	125.1	2.5°	578.7	581.6
144.3	140.3	136.5	137.4	136.5	140.3	144.3	150.2	156.0	160.4	5°	467.5	478.5
185.5	183.1	180.6	180.6	180.6	183.1	185.5	189.5	193.3	195.8	7.5°	353.4	368.2
221.8	220.4	218.8	220.8	218.8	220.4	221.8	225.3	228.7	230.7	10°	283.2	293.3
256.2	255.7	255.2	258.2	255.2	255.7	256.2	259.1	262.0	264.0	12.5°	248.5	263.0
290.5	289.5	288.5	292.5	288.5	289.5	290.5	291.9	293.5	296.4	15°	213.3	229.0
322.9	322.9	322.9	323.9	322.9	322.9	322.9	324.8	326.8	329.8	17.5°	174.8	194.0
355.3	354.8	354.3	356.3	354.3	354.8	355.3	357.3	359.2	361.2	20°	133.6	152.4
385.7	386.2	386.7	388.7	386.7	386.2	385.7	389.7	393.5	395.1	22.5°	93.9	110.0
418.1	418.1	418.1	421.0	418.1	418.1	418.1	421.0	424.0	425.4	25°	68.5	75.5
450.5	449.5	448.5	451.5	448.5	449.5	450.5	450.9	451.5	453.5	27.5°	60.7	63.6
478.0	477.0	476.0	479.0	476.0	477.0	478.0	479.0	480.0	481.0	30°	57.0	58.9
507.5	506.5	505.5	508.4	505.5	506.5	507.5	507.9	508.4	509.9	32.5°	51.3	53.2
534.0	534.9	535.9	539.8	535.9	534.9	534.0	535.4	536.8	538.4	35°	45.1	47.6
560.5	560.9	561.4	564.3	561.4	560.9	560.5	561.9	563.3	563.3	37.5°	42.0	43.7
582.0	581.6	581.0	584.0	581.0	581.6	582.0	582.0	582.0	582.0	40°	40.1	40.3
596.7	596.7	596.7	599.7	596.7	596.7	596.7	597.2	597.7	598.2	42.5°	38.4	38.4
613.5	613.5	613.5	617.3	613.5	613.5	613.5	614.4	615.4	616.9	45°	37.5	38.4
631.1	631.1	631.1	634.0	631.1	631.1	631.1	631.6	632.0	633.0	47.5°	38.1	42.2
646.8	647.3	647.8	650.7	647.8	647.3	646.8	645.3	643.8	643.4	50°	42.8	41.6
656.6	656.6	656.6	660.5	656.6	656.6	656.6	654.7	652.7	650.7	52.5°	43.7	39.1
663.5	664.5	665.5	668.4	665.5	664.5	663.5	663.5	663.5	662.1	55°	40.1	37.5
671.3	672.8	674.3	677.2	674.3	672.8	671.3	672.3	673.3	674.3	57.5°	35.9	32.8
679.2	680.6	682.2	685.0	682.2	680.6	679.2	679.2	679.2	679.7	59°	32.1	30.3
682.2	683.1	684.1	686.0	684.1	683.1	682.2	681.2	680.2	678.7	60°	29.9	29.4
684.1	684.6	685.0	687.0	685.0	684.6	684.1	683.1	682.2	680.2	62.5°	27.4	28.0
687.0	689.4	692.0	693.9	692.0	689.4	687.0	686.6	686.0	685.0	65°	25.5	26.8
687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	67.5°	24.5	25.5
										70°	23.0	23.6
										72.5°	21.4	21.6
										75°	19.2	19.5
										77.5°	17.0	17.0
										80°	13.8	13.8
										82.5°	10.7	10.4
										85°	7.0	6.6
										87.5°	3.1	2.5
										90°	7.8	7.4
										92.5°	5.9	5.9
										95°	6.8	6.8
										97.5°	8.8	8.8
										100°	11.8	16.2
										102.5°	26.5	32.9
										105°	47.1	54.4
										107.5°	71.7	79.1



REPORT NUMBER: P271826

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

50-LED-E1-SLR-7027-ULG

tinued):

CANDELA DISTRIBUTION (continued):

225°	230°	235°	240°	245°	250°	255°	260°	265°		215°	220°	225°
618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	110°	100.1	106.0	111.9
595.8	604.5	611.5	610.2	625.0	633.8	635.1	644.3	653.1	112.5°	131.5	135.9	140.3
487.3	499.6	511.7	520.4	543.7	563.0	577.8	593.5	612.0	115°	164.9	167.8	170.8
388.4	398.8	418.3	432.5	457.1	479.4	501.3	526.0	547.2	117.5°	198.3	199.7	201.2
304.3	317.6	335.9	362.3	384.4	409.9	437.3	460.9	496.1	120°	232.6	235.5	238.5
273.4	281.6	296.8	309.4	336.8	363.8	394.7	427.1	459.7	122.5°	266.0	269.0	271.8
241.6	256.1	270.3	288.5	312.5	342.2	375.5	410.4	447.1	125°	299.3	301.8	304.3
210.7	230.0	245.3	265.3	291.9	329.5	373.0	416.5	459.3	127.5°	332.7	333.2	333.7
172.9	190.9	218.0	238.2	273.2	320.1	375.9	435.9	494.0	130°	363.2	364.2	365.1
136.1	155.2	186.2	216.1	254.5	315.0	387.2	468.2	545.6	132.5°	396.5	397.1	397.5
97.4	123.4	154.1	191.9	238.5	311.9	402.6	507.8	612.0	135°	427.0	428.0	428.9
72.8	91.1	128.2	169.5	220.5	306.2	419.0	544.7	657.5	137.5°	455.4	457.3	459.3
64.9	77.8	102.0	145.5	198.4	295.1	431.3	579.7	698.7	140°	481.9	484.8	487.8
56.8	66.7	86.0	122.9	178.7	278.1	436.7	598.2	727.4	142.5°	511.3	513.3	515.3
49.8	59.2	78.7	114.1	168.5	258.9	435.7	616.9	763.3	145°	539.8	540.3	540.8
45.4	53.6	75.5	111.7	160.7	241.4	436.7	646.8	816.6	147.5°	563.3	563.9	564.3
42.0	51.3	73.1	107.1	156.8	231.5	440.3	673.2	862.2	150°	582.0	582.0	582.0
42.0	50.8	66.7	100.5	155.0	232.5	442.0	693.7	896.3	152.5°	598.7	598.7	598.7
44.1	47.6	62.1	96.7	156.2	239.4	440.1	714.5	929.4	155°	618.3	617.3	616.3
42.0	44.5	58.9	96.1	156.2	244.5	445.8	740.3	972.9	157.5°	634.0	633.6	633.0
39.6	41.2	58.0	95.1	153.1	249.2	469.1	788.5	1029.5	160°	642.8	642.8	642.8
36.9	38.8	56.8	93.5	149.7	255.2	510.3	869.5	1123.4	162.5°	648.8	649.7	650.7
33.3	37.2	54.8	91.1	147.4	265.9	552.5	951.3	1235.2	165°	660.5	660.5	660.5
32.1	35.7	50.5	85.1	145.3	277.6	597.6	1029.9	1335.7	167.5°	675.3	673.8	672.3
31.2	34.3	46.6	80.7	143.3	283.2	611.2	1059.7	1374.5	170°	680.2	679.2	678.2
30.5	33.7	44.5	76.9	141.1	283.5	620.9	1071.0	1380.2	172.5°	677.2	677.2	677.2
29.6	32.5	40.1	69.0	134.2	283.2	621.9	1078.3	1363.8	175°	678.2	677.7	677.2
28.0	31.2	40.3	64.9	121.6	270.0	582.8	1043.4	1298.5	177.5°	684.1	683.1	682.2
26.8	30.3	42.5	65.8	108.3	236.0	509.7	934.7	1159.0	180°	687.0	687.0	687.0
25.0	29.6	44.5	68.0	104.7	195.9	385.6	763.3	970.6				
23.0	29.4	46.0	69.6	100.5	161.2	267.2	541.2	726.5				
20.8	26.8	42.0	59.2	83.1	117.2	172.0	354.1	500.9				
18.0	21.4	30.5	41.6	61.2	81.9	101.8	213.9	327.6				
14.8	16.1	21.6	26.8	40.6	48.5	56.4	120.6	229.0				
11.0	11.4	14.8	17.0	23.0	26.8	33.7	74.0	185.6				
6.3	7.3	10.2	11.4	13.8	17.0	22.1	47.3	145.5				
2.5	3.1	6.0	6.6	7.5	9.4	12.3	27.4	45.4				
6.8	6.8	6.8	7.8	8.8	8.8	8.8	7.8	6.8				
5.9	6.4	6.8	6.8	6.8	6.4	5.9	5.9	5.9				
6.8	6.8	6.8	7.4	7.8	7.4	6.8	6.8	6.8				
8.8	10.3	11.8	10.8	9.8	9.3	8.8	8.4	7.8				
20.6	24.5	28.5	26.9	25.5	24.1	22.5	20.6	18.7				
39.3	44.2	49.0	47.6	46.2	43.7	41.2	39.7	38.3				
61.8	66.3	70.7	69.7	68.7	66.3	63.8	61.8	59.8				
86.3	89.8	93.2	92.7	92.3	90.3	88.3	86.9	85.4				



REPORT NUMBER: P271826

CATALOG NUMBER: ISW-AF-350-LED-E1-SLR-7027-

SLR-7027-ULG

CANDELA DISTRIBUTION (continued):

230°	235°	240°	245°	250°	255°	260°	265°		270°	275°	280°	285°
114.8	117.8	118.3	118.8	117.8	116.8	115.3	113.8	0°	618.4	618.4	618.4	618.4
142.8	145.3	146.2	147.2	146.7	146.2	145.3	144.3	2.5°	661.9	668.5	674.2	678.6
173.2	175.7	177.1	178.7	177.1	175.7	174.7	173.7	5°	632.0	647.4	665.9	681.7
204.2	207.1	209.0	211.0	208.6	206.1	205.2	204.2	7.5°	578.7	598.2	628.5	647.0
239.9	241.5	243.4	245.3	242.9	240.5	239.5	238.5	10°	528.3	556.9	590.1	616.9
272.8	273.8	275.8	277.8	275.3	272.8	271.8	270.9	12.5°	494.0	529.6	561.0	590.9
305.7	307.2	308.2	309.2	306.7	304.3	304.3	304.3	15°	484.5	520.7	549.1	576.5
336.1	338.6	339.1	339.6	339.6	339.6	339.1	338.6	17.5°	503.4	539.6	563.9	580.6
367.6	370.0	372.0	374.0	374.0	374.0	373.0	372.0	20°	547.9	586.5	602.0	600.8
400.5	403.4	405.9	408.3	407.3	406.3	406.3	406.3	22.5°	608.6	649.3	649.3	636.7
431.8	434.8	437.3	439.7	439.2	438.7	440.2	441.7	25°	689.0	718.3	702.1	678.3
461.8	464.2	465.2	466.2	466.7	467.2	469.6	472.1	27.5°	746.0	773.4	745.3	706.0
489.3	490.7	491.7	492.7	493.7	494.7	497.1	499.5	30°	793.2	813.3	777.8	730.2
516.3	517.2	520.2	523.2	523.2	523.2	523.6	524.1	32.5°	834.9	849.7	802.6	755.7
543.3	545.7	548.7	551.6	551.1	550.6	549.1	547.7	35°	884.7	890.0	828.6	778.4
566.8	569.3	571.7	574.2	574.6	575.2	573.7	572.2	37.5°	939.8	944.1	865.7	803.4
584.0	586.0	587.4	588.9	590.4	591.8	593.3	594.8	40°	1004.7	988.9	893.2	826.4
599.2	599.7	601.1	602.7	604.6	606.5	609.1	611.5	42.5°	1044.5	1018.8	912.9	838.3
615.4	614.4	616.9	619.3	621.8	624.2	625.2	626.2	45°	1076.1	1040.9	922.1	845.2
632.6	632.0	634.0	636.0	637.0	638.0	638.0	638.0	47.5°	1114.9	1073.3	938.2	857.8
644.4	645.8	648.8	651.7	650.2	648.8	648.3	647.8	50°	1165.9	1118.3	978.8	893.5
652.7	654.7	656.6	658.5	658.1	657.6	656.6	655.7	52.5°	1270.6	1211.6	1051.8	955.4
660.1	659.5	662.1	664.5	665.9	667.4	666.5	665.5	55°	1390.8	1335.2	1168.8	1057.8
668.9	665.5	668.4	671.3	673.3	675.3	675.3	675.3	57.5°	1487.2	1449.8	1273.0	1150.5
675.7	673.3	674.8	676.2	678.7	681.2	682.2	683.1	59°	1522.9	1506.7	1346.8	1228.9
676.7	676.2	677.7	679.2	680.2	681.2	682.2	683.1	60°	1536.1	1549.9	1385.8	1276.9
677.2	677.2	679.7	682.2	682.6	683.1	682.2	681.2	62.5°	1545.3	1605.5	1512.7	1419.8
681.6	681.2	683.6	686.0	687.0	688.0	686.6	685.0	65°	1526.3	1614.5	1564.1	1507.1
687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	67.5°	1444.0	1549.7	1539.9	1489.7
								70°	1275.9	1393.5	1427.4	1356.2
								72.5°	959.9	1105.7	1291.3	1179.7
								75°	625.3	760.1	1102.6	1010.6
								77.5°	391.6	474.5	786.6	707.9
								80°	260.5	305.0	499.3	454.6
								82.5°	195.9	216.1	343.4	322.9
								85°	103.3	131.7	267.2	338.6
								87.5°	38.8	43.2	201.0	302.8
								90°	6.8	6.8	8.2	8.8
								92.5°	5.9	5.9	5.9	5.9
								95°	6.8	6.8	6.8	6.8
								97.5°	7.8	7.8	8.4	8.8
								100°	18.7	18.7	20.6	22.5
								102.5°	37.3	38.3	39.7	41.2
								105°	59.8	59.8	61.8	63.8
								107.5°	84.4	85.4	86.9	88.3

REPORT NUMBER: P271826

CATALOG NUMBER: ISW-AF-350-LED-E1-SLR-7027-ULG

ULG

CANDELA DISTRIBUTION (continued):

290°	295°	300°	305°	310°	315°	320°		270°	275°	280°	285°	290°
618.4	618.4	618.4	618.4	618.4	618.4	618.4	110°	114.8	113.8	115.3	116.8	117.8
682.4	688.0	691.4	689.0	693.0	694.0	689.6	112.5°	144.3	144.3	145.3	146.2	146.7
695.0	710.6	722.1	730.0	733.1	735.9	734.6	115°	174.7	173.7	174.7	175.7	177.1
671.7	695.8	716.9	731.5	736.5	740.3	736.9	117.5°	205.2	204.2	205.2	206.1	208.6
645.8	671.0	690.9	705.3	705.0	708.9	702.1	120°	238.5	238.5	239.5	240.5	242.9
621.5	646.2	663.8	663.1	658.7	647.7	645.8	122.5°	271.8	270.9	271.8	272.8	275.3
602.3	615.2	619.7	618.8	606.1	599.8	598.9	125°	304.3	304.3	304.3	304.3	306.7
592.9	592.3	582.2	571.1	559.1	558.6	550.3	127.5°	340.5	338.6	339.1	339.6	339.6
594.5	573.9	555.4	536.5	523.6	520.7	521.6	130°	373.0	372.0	373.0	374.0	374.0
614.4	578.1	543.1	523.9	508.8	504.4	506.3	132.5°	407.3	406.3	406.3	406.3	407.3
639.1	590.6	547.2	518.0	505.7	500.3	501.3	135°	442.7	441.7	440.2	438.7	439.2
655.9	605.2	560.7	524.5	507.8	502.8	505.9	137.5°	473.0	472.1	469.6	467.2	466.7
677.3	625.0	579.0	541.5	516.6	510.1	512.2	140°	501.5	499.5	497.1	494.7	493.7
698.4	646.4	604.9	562.2	532.1	519.8	523.3	142.5°	526.0	524.1	523.6	523.2	523.2
721.1	671.3	629.4	590.6	555.2	535.9	540.3	145°	549.7	547.7	549.1	550.6	551.1
747.6	700.3	664.4	628.8	592.3	576.3	578.1	147.5°	574.2	572.2	573.7	575.2	574.6
773.1	728.6	705.7	679.2	657.8	633.2	633.2	150°	598.7	594.8	593.3	591.8	590.4
788.3	765.5	759.2	751.6	739.0	721.4	717.7	152.5°	616.3	611.5	609.1	606.5	604.6
806.8	809.4	823.7	838.8	842.7	825.4	820.1	155°	629.2	626.2	625.2	624.2	621.8
841.7	868.2	915.8	957.1	965.3	979.4	963.1	157.5°	642.8	638.0	638.0	638.0	637.0
890.8	939.8	1020.0	1087.5	1106.7	1108.0	1109.1	160°	653.7	647.8	648.3	648.8	650.2
946.9	1016.9	1123.2	1203.4	1237.8	1246.8	1240.3	162.5°	661.5	655.7	656.6	657.6	658.1
1043.0	1106.4	1222.6	1309.3	1353.4	1374.8	1369.1	165°	669.3	665.5	666.5	667.4	665.9
1138.2	1216.9	1319.3	1404.7	1451.6	1475.6	1480.7	167.5°	681.2	675.3	675.3	675.3	673.3
1203.1	1276.9	1371.4	1450.0	1496.4	1525.1	1527.6	170°	688.0	683.1	682.2	681.2	678.7
1242.7	1310.2	1402.5	1471.9	1518.1	1542.4	1551.2	172.5°	688.0	683.1	682.2	681.2	680.2
1363.1	1375.5	1438.5	1484.1	1516.6	1527.6	1534.1	175°	686.0	681.2	682.2	683.1	682.6
1419.5	1368.2	1360.9	1389.3	1392.1	1384.8	1375.8	177.5°	689.0	685.0	686.6	688.0	687.0
1341.1	1221.1	1176.6	1172.8	1161.1	1156.5	1127.6	180°	687.0	687.0	687.0	687.0	687.0
1164.7	991.7	913.3	870.7	896.6	895.6	866.0						
981.3	805.2	703.5	642.4	634.8	633.6	607.7						
797.1	632.0	542.8	513.2	477.6	466.8	471.3						
574.6	451.1	432.3	454.9	457.8	449.5	443.9						
361.9	339.3	357.5	398.8	423.1	412.4	416.5						
301.8	267.2	268.4	311.9	328.3	330.8	322.3						
334.9	267.4	219.3	213.9	208.2	131.1	182.4						
301.8	207.0	121.9	100.5	61.7	35.7	36.9						
8.8	8.8	7.8	6.8	6.8	6.8	7.4						
6.4	6.8	6.8	6.8	6.4	5.9	5.9						
7.4	7.8	7.4	6.8	6.8	6.8	6.8						
9.3	9.8	10.8	11.8	10.3	8.8	8.8						
24.1	25.5	26.9	28.5	24.5	20.6	16.2						
43.7	46.2	47.6	49.0	44.2	39.3	32.9						
66.3	68.7	69.7	70.7	66.3	61.8	54.4						
90.3	92.3	92.7	93.2	89.8	86.3	79.1						



REPORT NUMBER: P271826

CATALOG NUMBER: ISW-AF-350-LED-E1-SLR-7027-ULG

CANDELA DISTRIBUTION (continued):

295°	300°	305°	310°	315°	320°		325°	330°	335°	340°	345°	350°
118.8	118.3	117.8	114.8	111.9	106.0	0°	618.4	618.4	618.4	618.4	618.4	618.4
147.2	146.2	145.3	142.8	140.3	135.9	2.5°	688.6	682.6	676.1	667.2	668.8	658.1
178.7	177.1	175.7	173.2	170.8	167.8	5°	724.9	714.5	700.3	682.4	665.6	644.3
211.0	209.0	207.1	204.2	201.2	199.7	7.5°	721.1	704.5	680.7	653.7	631.6	600.8
245.3	243.4	241.5	239.9	238.5	235.5	10°	688.6	666.9	647.7	619.7	590.9	563.9
277.8	275.8	273.8	272.8	271.8	269.0	12.5°	643.3	631.0	614.4	593.2	565.4	537.7
309.2	308.2	307.2	305.7	304.3	301.8	15°	593.8	594.8	584.7	579.0	565.1	543.1
339.6	339.1	338.6	336.1	333.7	333.2	17.5°	553.2	562.7	568.0	576.8	578.4	567.7
374.0	372.0	370.0	367.6	365.1	364.2	20°	526.0	539.3	556.1	580.2	605.7	616.9
408.3	405.9	403.4	400.5	397.5	397.1	22.5°	511.0	527.3	554.2	598.2	644.8	672.9
439.7	437.3	434.8	431.8	428.9	428.0	25°	508.1	529.9	567.4	621.3	681.7	721.1
466.2	465.2	464.2	461.8	459.3	457.3	27.5°	512.8	541.2	585.7	647.0	706.6	763.6
492.7	491.7	490.7	489.3	487.8	484.8	30°	527.9	561.0	609.6	675.7	737.5	794.2
523.2	520.2	517.2	516.3	515.3	513.3	32.5°	542.5	583.4	637.0	701.6	763.6	820.1
551.6	548.7	545.7	543.3	540.8	540.3	35°	565.8	607.1	661.9	721.4	781.5	845.6
574.2	571.7	569.3	566.8	564.3	563.9	37.5°	601.3	637.5	681.5	736.9	799.5	865.7
588.9	587.4	586.0	584.0	582.0	582.0	40°	652.1	676.1	704.5	748.2	808.4	879.2
602.7	601.1	599.7	599.2	598.7	598.7	42.5°	728.1	733.1	742.8	765.5	816.2	895.0
619.3	616.9	614.4	615.4	616.3	617.3	45°	826.0	810.9	802.4	799.2	833.9	905.0
636.0	634.0	632.0	632.6	633.0	633.6	47.5°	939.8	910.2	876.0	859.7	867.9	921.1
651.7	648.8	645.8	644.4	642.8	642.8	50°	1087.8	1039.6	972.9	925.5	921.4	968.5
658.5	656.6	654.7	652.7	650.7	649.7	52.5°	1223.6	1160.6	1076.5	1020.7	997.9	1056.6
664.5	662.1	659.5	660.1	660.5	660.5	55°	1351.8	1303.4	1208.1	1138.8	1131.0	1173.5
671.3	668.4	665.5	668.9	672.3	673.8	57.5°	1464.2	1422.4	1344.5	1254.1	1257.3	1298.5
676.2	674.8	673.3	675.7	678.2	679.2	59°	1522.5	1487.5	1415.4	1323.5	1330.4	1387.1
679.2	677.7	676.2	676.7	677.2	677.2	60°	1543.3	1514.0	1445.4	1367.8	1376.7	1435.6
682.2	679.7	677.2	677.2	677.2	677.7	62.5°	1541.7	1522.9	1473.1	1436.5	1481.6	1524.7
686.0	683.6	681.2	681.6	682.2	683.1	65°	1394.6	1366.0	1360.3	1424.3	1511.2	1552.8
687.0	687.0	687.0	687.0	687.0	687.0	67.5°	1109.1	1122.7	1176.6	1286.6	1432.4	1492.9
						70°	823.7	847.7	919.5	1057.6	1257.9	1362.5
						72.5°	605.7	629.7	695.8	847.1	1034.8	1127.6
						75°	475.3	482.6	530.2	648.9	815.6	891.5
						77.5°	439.1	417.4	397.9	461.5	550.0	615.2
						80°	408.9	367.7	321.6	340.9	362.3	431.5
						82.5°	317.6	290.2	254.2	278.8	288.9	291.1
						85°	185.9	165.4	209.5	296.8	293.6	257.1
						87.5°	65.6	85.1	95.8	164.4	198.7	172.0
						90°	7.8	8.8	10.7	10.5	11.6	7.5
						92.5°	5.9	5.9	5.9	5.4	4.9	4.4
						95°	6.8	6.8	6.8	6.4	5.9	5.4
						97.5°	8.8	8.4	7.8	7.8	7.8	7.4
						100°	11.8	10.8	9.8	9.3	8.8	8.4
						102.5°	26.5	22.1	17.7	15.2	12.8	11.8
						105°	47.1	41.2	35.3	30.9	26.5	24.1
						107.5°	71.7	64.3	57.0	52.6	48.1	44.6



REPORT NUMBER: P271826

CATALOG NUMBER: ISW-AF-350-LED-E1-SLR-7027-ULG

CANDELA DISTRIBUTION (continued):

355°	359°	360°		325°	330°	335°	340°	345°	350°	355°
618.4	618.4	618.4	110°	100.1	92.7	85.4	79.1	72.7	69.7	66.7
649.6	640.9	640.1	112.5°	131.5	125.1	118.8	111.4	104.0	100.6	97.2
627.3	607.3	601.1	115°	164.9	160.4	156.0	150.2	144.3	140.3	136.5
573.9	551.0	546.3	117.5°	198.3	195.8	193.3	189.5	185.5	183.1	180.6
529.2	503.7	499.3	120°	232.6	230.7	228.7	225.3	221.8	220.4	218.8
506.3	482.0	476.6	122.5°	266.0	264.0	262.0	259.1	256.2	255.7	255.2
515.1	488.3	485.4	125°	299.3	296.4	293.5	291.9	290.5	289.5	288.5
548.1	519.8	521.1	127.5°	332.7	329.8	326.8	324.8	322.9	322.9	322.9
604.9	586.5	582.2	130°	363.2	361.2	359.2	357.3	355.3	354.8	354.3
679.2	659.4	653.7	132.5°	396.5	395.1	393.5	389.7	385.7	386.2	386.7
742.4	732.5	728.6	135°	427.0	425.4	424.0	421.0	418.1	418.1	418.1
788.3	792.9	789.1	137.5°	455.4	453.5	451.5	450.9	450.5	449.5	448.5
824.7	840.5	838.6	140°	481.9	481.0	480.0	479.0	478.0	477.0	476.0
862.2	892.7	894.0	142.5°	511.3	509.9	508.4	507.9	507.5	506.5	505.5
890.0	943.8	954.9	145°	539.8	538.4	536.8	535.4	534.0	534.9	535.9
925.5	997.7	1009.1	147.5°	563.3	563.3	563.3	561.9	560.5	560.9	561.4
952.7	1037.5	1051.3	150°	582.0	582.0	582.0	582.0	582.0	581.6	581.0
979.2	1070.2	1085.2	152.5°	598.7	598.2	597.7	597.2	596.7	596.7	596.7
1000.8	1102.6	1118.0	155°	618.3	616.9	615.4	614.4	613.5	613.5	613.5
1025.4	1134.1	1149.2	157.5°	634.0	633.0	632.0	631.6	631.1	631.1	631.1
1069.5	1183.6	1201.6	160°	642.8	643.4	643.8	645.3	646.8	647.3	647.8
1164.3	1275.2	1300.7	162.5°	648.8	650.7	652.7	654.7	656.6	656.6	656.6
1301.4	1401.9	1422.1	165°	660.5	662.1	663.5	663.5	663.5	664.5	665.5
1424.9	1487.9	1493.3	167.5°	675.3	674.3	673.3	672.3	671.3	672.8	674.3
1475.6	1511.5	1509.9	170°	680.2	679.7	679.2	679.2	679.2	680.6	682.2
1512.7	1517.1	1508.3	172.5°	677.2	678.7	680.2	681.2	682.2	683.1	684.1
1532.9	1491.1	1475.8	175°	678.2	680.2	682.2	683.1	684.1	684.6	685.0
1480.2	1422.1	1402.2	177.5°	684.1	685.0	686.0	686.6	687.0	689.4	692.0
1328.4	1297.6	1275.0	180°	687.0	687.0	687.0	687.0	687.0	687.0	687.0
1130.0	1051.8	1037.0								
856.5	753.6	731.5								
598.5	475.0	445.1								
393.5	305.0	293.6								
255.2	202.6	199.2								
178.0	132.9	122.6								
109.3	44.5	42.5								
34.0	20.5	18.2								
5.9	6.2	6.2								
4.0	4.0	4.0								
4.9	4.9	4.9								
6.8	6.8	6.8								
7.8	7.8	7.8								
10.8	10.8	10.8								
21.6	20.8	20.6								
41.2	40.4	40.2								



359°	360°
65.1	64.8
97.2	97.2
137.2	137.4
180.6	180.6
220.4	220.8
257.5	258.2
291.7	292.5
323.7	323.9
355.9	356.3
388.2	388.7
420.5	421.0
450.9	451.5
478.3	479.0
507.8	508.4
539.1	539.8
563.8	564.3
583.4	584.0
599.1	599.7
616.6	617.3
633.5	634.0
650.1	650.7
659.7	660.5
667.8	668.4
676.6	677.2
684.5	685.0
685.7	686.0
686.7	687.0
693.5	693.9
687.0	687.0

(END OF REPORT)