

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: P227275

Luminaire Tested: **ISW-AF-600-LED-E1-SLR-ULG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P227275  
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-600-LED-E1-SLR-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) 4000K CCT, 70 CRI LEDs and (1) UPLIGHT LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

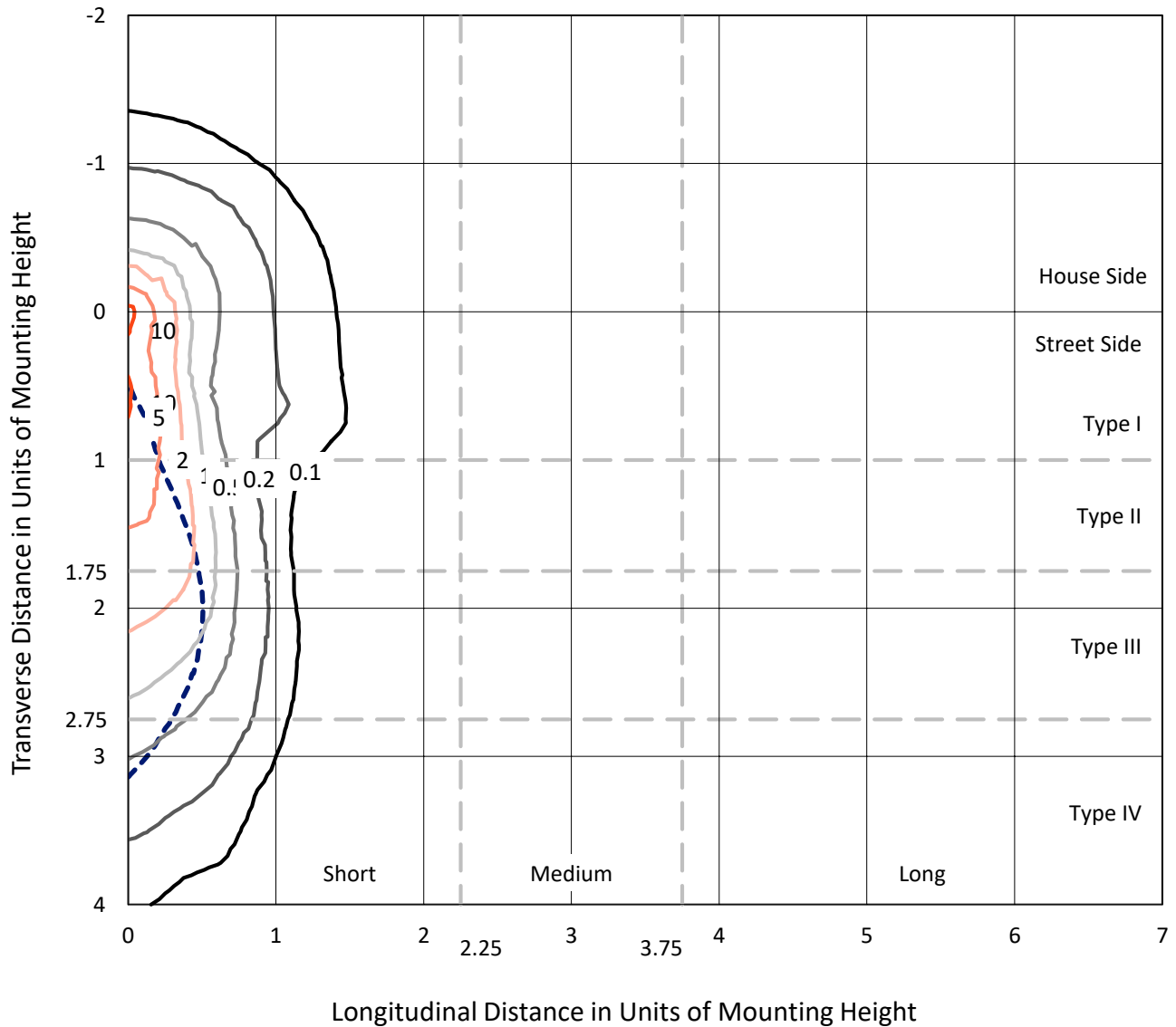
Lumens per Lamp: N/A  
Luminaire Lumens: 5386.2 lumens  
Efficiency: N/A  
Efficacy: 106.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U5 - G2  
  
Input Watts (W): 50.4  
Input Voltage (V): 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: P227275  
 CATALOG NUMBER: ISW-AF-600-LED-E1-SLR-ULG

### Iso-Footcandle Lines of Horizontal Illumination

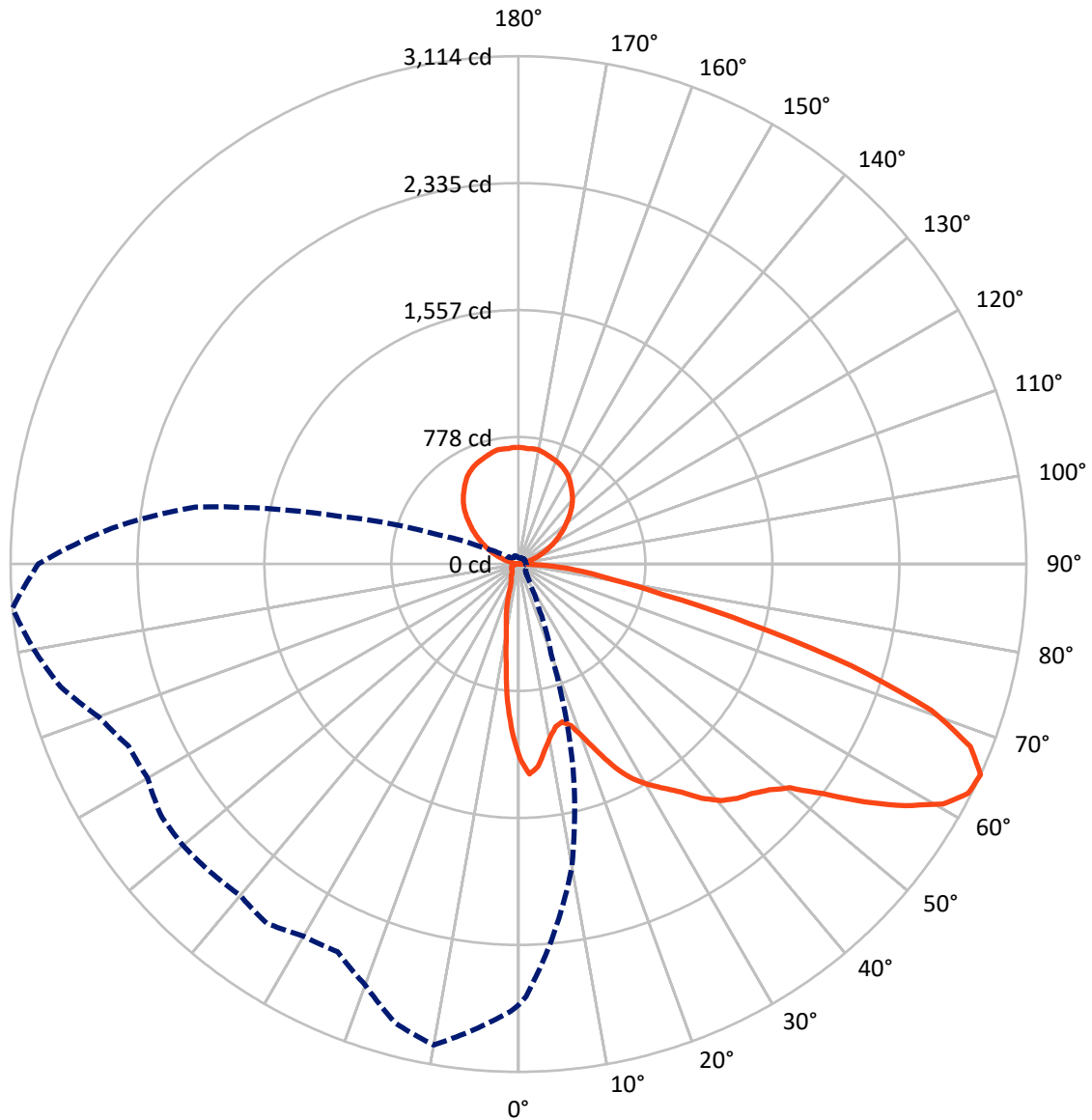
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P227275  
CATALOG NUMBER: ISW-AF-600-LED-E1-SLR-ULG

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P227275

CATALOG NUMBER: ISW-AF-600-LED-E1-SLR-ULG

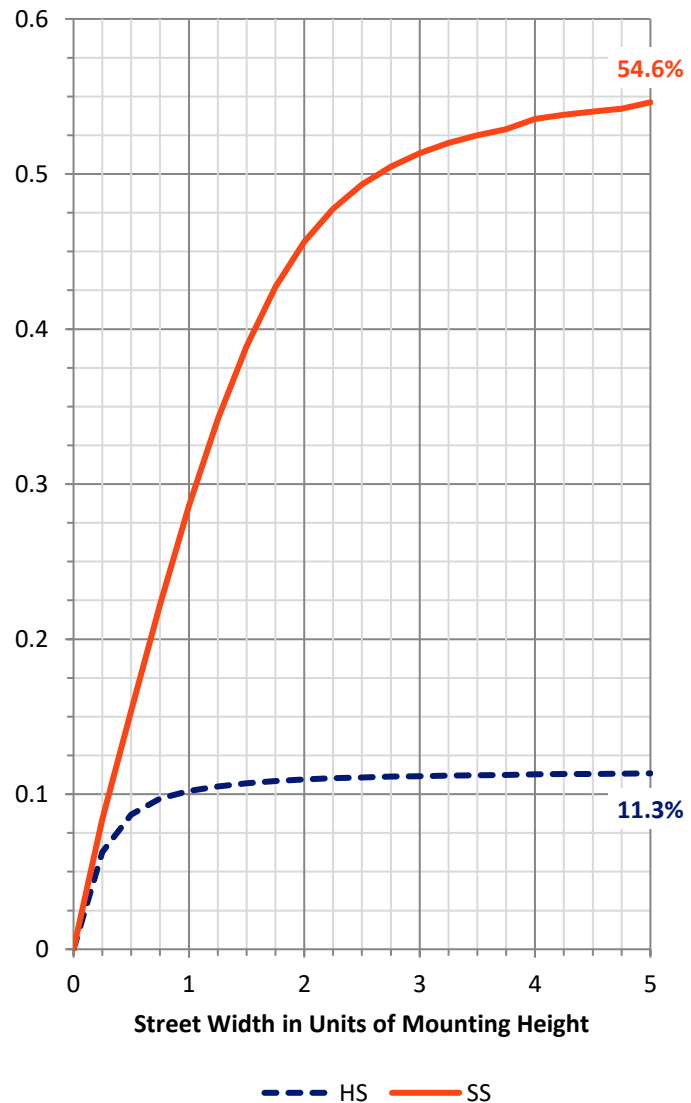
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	619.8	887.5	1507.3
	% Fixture	11.5	16.5	28.0
<b>Street Side</b>	Lumens	2991.3	887.6	3878.9
	% Fixture	55.5	16.5	72.0
<b>Total</b>	Lumens	3611.0	1775.1	5386.2
	% Fixture	67.0	33.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.4	1.6
10°-20°	170.0	3.2
20°-30°	242.4	4.5
30°-40°	351.7	6.5
40°-50°	503.1	9.3
50°-60°	772.5	14.3
60°-70°	894.1	16.6
70°-80°	456.1	8.5
80°-90°	132.7	2.5
90°-100°	9.6	0.2
100°-110°	58.7	1.1
110°-120°	169.9	3.2
120°-130°	279.4	5.2
130°-140°	344.6	6.4
140°-150°	352.5	6.5
150°-160°	297.0	5.5
160°-170°	195.5	3.6
170°-180°	67.8	1.3
0°-90°	3611.0	67.0
0°-180°	5386.2	100.0



REPORT NUMBER: P227275

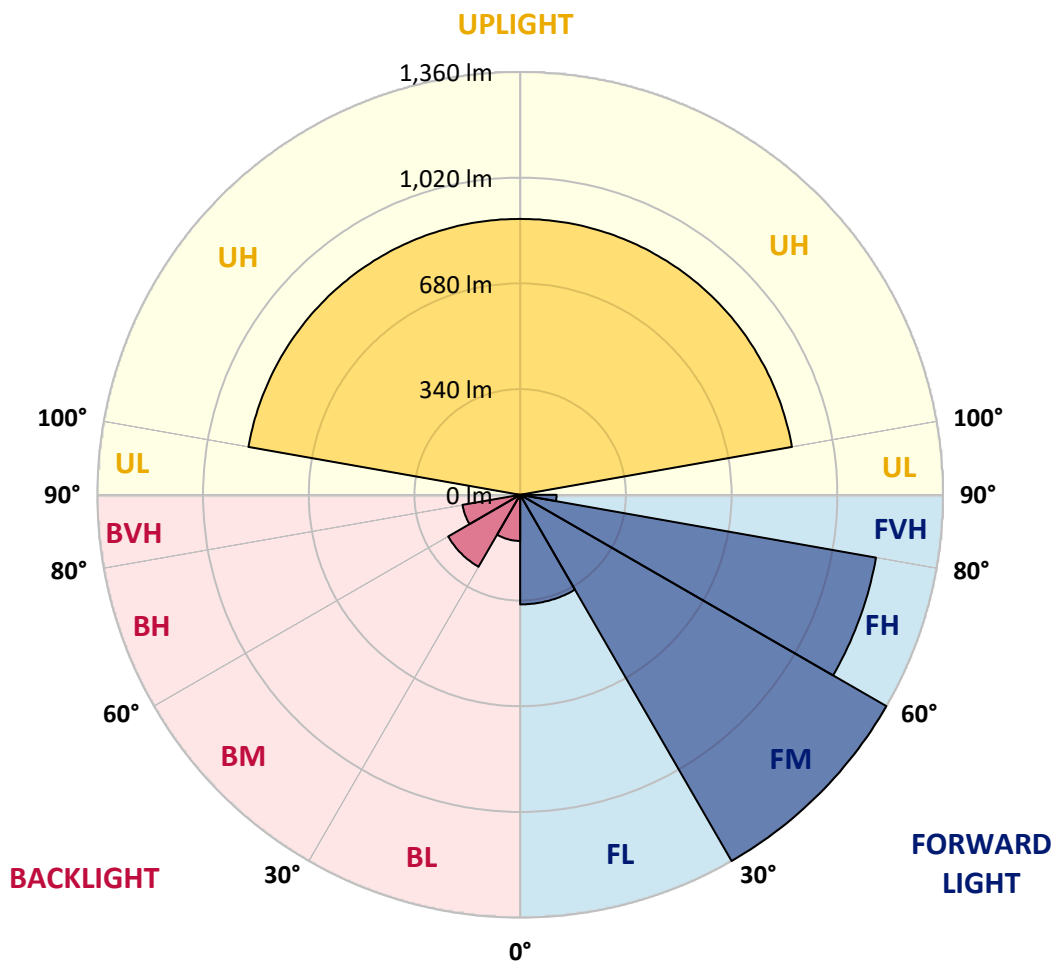
CATALOG NUMBER: ISW-AF-600-LED-E1-SLR-ULG

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	352.6	6.5			
FM	(30°-60°)	1359.9	25.2			
FH	(60°-80°)	1161.9	21.6			G1/1800
FVH	(80°-90°)	116.9	2.2			G2/225
BL	(0°-30°)	148.2	2.8	B1/500		
BM	(30°-60°)	267.4	5.0	B1/1000		
BH	(60°-80°)	188.3	3.5	B1/500		G1/500
BVH	(80°-90°)	15.8	0.3			G1/100
UL	(90°-100°)	9.6	0.2		U1/10	
UH	(100°-180°)	887.5	16.5		U4/1000	

**BUG Rating: B1-U5-G2**

Type IV Short





REPORT NUMBER: P227275

CATALOG NUMBER: ISW-AF-600-LED-E1-SLR-ULG

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7
2.5°	1234.6	1227.2	1218.1	1202.4	1188.4	1168.3	1163.5	1138.5	1122.8	1126.5	1097.8
5°	1159.2	1155.0	1132.5	1097.2	1074.2	1028.6	1002.5	989.1	951.4	946.5	936.3
7.5°	1053.5	1040.8	1004.3	960.6	921.1	887.6	845.8	813.6	785.0	767.3	736.3
10°	963.0	949.6	910.1	856.6	809.3	762.5	728.4	686.5	645.9	614.3	589.3
12.5°	919.2	904.7	858.5	796.5	743.7	685.4	637.3	596.0	573.6	557.7	537.0
15°	936.3	915.0	859.7	785.6	720.0	658.0	606.9	562.6	535.8	511.6	487.2
17.5°	1004.9	978.8	915.6	826.3	735.2	655.0	582.1	531.6	489.1	452.7	419.8
20°	1122.8	1103.4	1011.6	886.4	767.9	656.7	560.8	494.6	442.9	396.7	353.0
22.5°	1260.7	1231.5	1141.6	967.8	809.9	667.7	547.4	463.6	402.2	340.2	292.9
25°	1405.3	1382.8	1263.8	1077.2	874.3	690.2	537.0	436.2	354.2	285.5	233.3
27.5°	1521.9	1501.9	1384.1	1182.3	933.2	709.6	521.9	410.1	315.9	233.3	175.5
30°	1617.4	1600.3	1477.0	1268.6	1004.9	716.3	500.6	379.7	273.4	188.3	145.3
32.5°	1724.3	1705.5	1566.3	1328.7	1037.1	710.2	476.3	351.2	239.4	166.4	124.6
35°	1841.5	1819.6	1666.0	1393.8	1063.9	689.0	455.7	330.5	223.0	151.3	110.6
37.5°	1946.1	1932.0	1755.9	1458.1	1094.3	653.8	435.7	308.0	212.1	140.3	99.6
40°	2027.5	2023.8	1855.5	1511.6	1117.9	628.2	419.2	290.4	198.0	136.1	96.0
42.5°	2093.1	2091.8	1937.0	1559.6	1124.0	605.8	406.4	274.7	185.3	125.7	97.8
45°	2156.3	2155.7	2015.9	1626.5	1128.2	606.9	396.7	264.9	174.4	119.1	92.4
47.5°	2216.4	2225.5	2098.5	1719.4	1173.2	627.6	393.1	255.7	165.8	111.8	87.5
50°	2317.3	2308.2	2229.1	1845.2	1245.5	667.7	387.0	247.9	157.9	105.2	82.7
52.5°	2508.7	2498.4	2427.9	2013.5	1324.5	709.0	379.1	236.9	148.8	97.8	77.1
55°	2742.5	2756.5	2658.8	2218.3	1432.0	743.7	370.6	222.4	136.7	89.3	73.6
57.5°	2879.8	2868.4	2756.5	2336.1	1498.2	761.3	365.2	205.3	117.8	82.0	69.9
59°	2912.0	2892.6	2740.1	2356.2	1515.9	752.8	362.1	188.9	108.1	78.4	68.0
60°	2909.1	2885.3	2714.0	2343.4	1520.7	742.5	357.2	179.2	102.7	76.5	67.4
62.5°	2846.5	2809.4	2565.8	2189.0	1452.7	690.8	337.2	156.1	95.3	74.2	63.8
65°	2704.3	2652.0	2316.7	1887.8	1296.6	588.1	291.6	147.6	97.2	72.9	61.4
67.5°	2458.9	2416.9	1996.5	1562.0	1033.5	475.2	252.2	144.0	99.6	74.2	57.7
70°	2000.1	1964.3	1557.7	1169.5	774.1	377.9	229.0	142.2	97.8	71.1	54.7
72.5°	1410.8	1348.8	1035.3	819.0	490.9	303.8	198.7	134.3	95.3	68.6	49.8
75°	858.5	870.0	658.0	596.6	309.9	208.4	156.1	113.0	84.5	61.4	45.0
77.5°	566.2	565.7	485.5	421.0	157.3	129.4	110.6	86.8	66.2	50.4	38.9
80°	384.0	388.2	352.4	287.3	87.5	77.7	72.3	63.2	48.6	38.3	32.2
82.5°	236.3	236.9	272.8	215.1	58.3	49.2	46.1	42.6	34.7	29.8	25.0
85°	82.0	83.9	95.3	151.9	39.5	32.2	32.2	29.8	26.1	20.0	16.4
87.5°	35.2	34.7	41.3	41.3	19.4	16.4	15.1	15.1	14.6	10.9	9.1
90°	7.6	7.0	7.0	8.6	10.2	12.0	11.9	12.5	12.5	11.4	9.6
92.5°	4.1	4.1	4.1	4.6	5.1	5.6	6.1	6.1	6.1	6.1	6.1
95°	5.1	5.1	5.1	5.6	6.1	6.6	7.2	7.2	7.2	7.2	7.2
97.5°	7.2	7.2	7.2	7.7	8.2	8.2	8.2	8.7	9.2	9.2	9.2
100°	8.2	8.2	8.2	8.7	9.2	9.7	10.2	11.3	12.3	16.9	21.5
102.5°	11.3	11.3	11.3	12.3	13.3	15.9	18.4	23.0	27.6	34.3	40.9
105°	21.5	21.7	22.5	25.1	27.6	32.2	36.8	43.0	49.1	56.8	64.4
107.5°	41.9	42.1	43.0	46.5	50.1	54.7	59.3	67.0	74.7	82.3	90.0



REPORT NUMBER: P227275

CATALOG NUMBER: ISW-AF-600-LED-E1-SLR-ULG

**CANDELA DISTRIBUTION (continued):**

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
110°	67.5	67.9	69.6	72.6	75.7	82.3	89.0	96.7	104.3	110.5	116.6
112.5°	101.3	101.3	101.3	104.9	108.4	116.1	123.8	130.4	137.1	141.7	146.3
115°	143.2	143.0	142.2	146.3	150.4	156.5	162.6	167.3	171.9	174.9	178.0
117.5°	188.2	188.2	188.2	190.8	193.3	197.4	201.5	204.1	206.6	208.2	209.7
120°	230.2	229.8	228.1	229.7	231.2	234.8	238.3	240.4	242.4	245.5	248.6
122.5°	269.0	268.4	266.0	266.5	267.0	270.1	273.1	275.2	277.2	280.3	283.4
125°	304.8	304.0	300.7	301.8	302.8	304.3	305.9	308.9	312.0	314.6	317.1
127.5°	337.6	337.4	336.6	336.6	336.6	338.6	340.6	343.7	346.8	347.3	347.8
130°	371.3	370.9	369.3	369.8	370.3	372.4	374.4	376.4	378.5	379.5	380.5
132.5°	405.1	404.7	403.0	402.5	402.0	406.1	410.2	411.7	413.3	413.8	414.3
135°	438.8	438.2	435.8	435.8	435.8	438.8	441.9	443.4	445.0	446.0	447.0
137.5°	470.6	469.9	467.5	468.5	469.5	470.0	470.6	472.6	474.6	476.7	478.7
140°	499.2	498.6	496.1	497.2	498.2	499.2	500.2	501.2	502.3	505.3	508.4
142.5°	529.9	529.3	526.8	527.8	528.9	529.4	529.9	531.4	533.0	535.0	537.0
145°	562.6	561.8	558.5	557.5	556.5	558.0	559.6	561.1	562.6	563.1	563.6
147.5°	588.2	587.6	585.1	584.6	584.1	585.6	587.2	587.2	587.2	587.7	588.2
150°	608.7	608.0	605.6	606.1	606.6	606.6	606.6	606.6	606.6	606.6	606.6
152.5°	625.0	624.4	622.0	622.0	622.0	622.5	623.0	623.5	624.0	624.0	624.0
155°	643.4	642.6	639.3	639.3	639.3	640.4	641.4	642.9	644.5	643.4	642.4
157.5°	660.8	660.2	657.8	657.8	657.8	658.3	658.8	659.8	660.8	660.3	659.8
160°	678.2	677.6	675.1	674.6	674.1	672.6	671.1	670.5	670.0	670.0	670.0
162.5°	688.4	687.6	684.4	684.4	684.4	682.3	680.3	678.2	676.2	677.2	678.2
165°	696.6	696.0	693.6	692.5	691.5	691.5	691.5	690.0	688.4	688.4	688.4
167.5°	705.8	705.2	702.8	701.2	699.7	700.7	701.7	702.8	703.8	702.3	700.7
170°	714.0	713.4	711.0	709.4	707.9	707.9	707.9	708.4	708.9	707.9	706.9
172.5°	715.0	714.6	713.0	712.0	711.0	709.9	708.9	707.4	705.8	705.8	705.8
175°	716.1	715.7	714.0	713.5	713.0	712.0	711.0	708.9	706.9	706.3	705.8
177.5°	723.2	722.8	721.2	718.6	716.1	715.6	715.0	714.0	713.0	712.0	711.0
180°	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1





REPORT NUMBER: P227275

CATALOG NUMBER: ISW-AF-600-LED-E1-SLR-ULG

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7
2.5°	1089.3	1082.7	1063.9	1059.0	1065.1	1052.9	1049.9	1046.8	1024.4	1035.9	1022.5
5°	910.7	908.9	870.6	878.5	870.6	857.2	851.8	864.6	842.1	846.9	850.0
7.5°	699.9	692.6	667.1	650.1	639.8	630.6	619.1	600.3	614.9	611.8	634.9
10°	568.0	552.3	536.4	512.8	499.4	486.6	473.3	466.0	449.0	447.1	439.3
12.5°	520.7	498.2	478.1	457.5	443.6	418.0	396.7	383.4	372.5	355.5	342.7
15°	457.5	438.6	412.6	392.5	370.6	347.5	326.8	309.9	302.0	286.1	278.9
17.5°	393.7	365.2	333.6	313.5	283.2	259.4	242.4	231.5	219.9	210.2	201.7
20°	317.1	280.1	246.0	220.5	196.8	173.8	165.8	152.5	147.6	144.0	147.0
22.5°	241.2	203.0	167.7	148.2	135.4	129.4	122.8	120.3	118.5	117.8	119.1
25°	176.8	144.6	127.6	120.3	115.4	111.8	109.4	107.5	106.3	105.7	106.3
27.5°	136.7	119.7	111.2	106.3	102.7	100.2	99.0	97.2	96.6	96.0	96.6
30°	118.5	109.4	103.3	98.4	94.2	89.9	88.1	87.5	88.1	88.7	88.1
32.5°	103.3	96.6	89.9	85.6	82.7	80.2	80.2	79.0	79.0	80.8	81.4
35°	93.6	86.8	82.0	76.5	72.9	70.5	68.6	67.4	68.0	68.0	69.9
37.5°	85.6	80.8	76.5	71.7	68.0	65.6	64.4	63.2	62.6	62.0	62.0
40°	80.2	77.1	73.6	68.6	65.1	62.6	61.4	60.1	59.5	58.9	58.9
42.5°	80.2	74.2	71.7	67.4	63.2	60.8	58.9	57.7	56.5	56.5	56.5
45°	88.1	75.9	71.7	66.8	62.6	59.5	57.7	55.9	54.7	54.7	54.1
47.5°	85.6	85.1	72.9	66.8	63.2	59.5	57.1	55.2	54.1	53.5	52.9
50°	81.4	88.7	81.4	68.6	63.2	58.9	56.5	54.7	52.9	52.3	52.3
52.5°	79.0	82.7	84.5	71.1	63.8	58.9	55.9	54.1	52.9	51.7	51.0
55°	72.9	77.7	80.8	69.9	63.8	57.7	54.7	52.9	51.0	50.4	49.8
57.5°	66.8	70.5	77.7	69.9	62.0	57.1	53.5	51.0	49.8	49.2	48.6
59°	65.1	65.1	69.3	71.7	60.8	56.5	52.9	50.4	49.2	48.6	47.4
60°	63.2	63.2	65.6	73.6	60.1	55.9	52.3	49.8	48.0	48.0	47.4
62.5°	60.8	58.9	60.1	68.6	58.3	54.7	51.0	48.6	46.7	46.7	46.1
65°	57.7	55.2	55.2	57.1	54.7	52.3	49.8	47.4	45.0	45.0	45.5
67.5°	54.7	52.3	51.7	51.7	50.4	49.8	47.4	45.0	43.8	43.8	43.8
70°	50.4	48.6	48.0	46.7	46.7	46.1	44.4	42.6	41.3	41.9	41.3
72.5°	45.5	44.4	43.2	43.2	42.6	41.9	40.1	38.9	38.3	38.9	38.9
75°	40.7	38.9	38.9	37.6	37.6	37.0	35.2	34.7	34.1	34.7	35.2
77.5°	34.7	33.5	32.8	32.8	32.8	32.8	30.4	29.8	29.8	31.0	31.0
80°	28.5	27.9	27.3	27.3	27.3	26.7	25.5	25.0	25.0	25.5	26.1
82.5°	21.9	20.7	20.7	21.3	21.9	21.9	20.0	18.8	18.8	20.0	21.3
85°	14.6	14.6	14.6	15.1	15.1	15.8	14.6	12.8	13.4	14.0	15.8
87.5°	7.9	8.5	7.9	7.3	8.5	7.9	7.9	7.3	7.9	8.5	9.1
90°	9.6	9.6	10.0	10.4	9.8	10.4	9.4	9.0	7.8	7.8	9.4
92.5°	6.6	7.2	7.2	7.2	6.6	6.1	6.1	6.1	6.1	6.1	6.1
95°	7.2	7.2	7.7	8.2	7.7	7.2	7.2	7.2	7.2	7.2	7.2
97.5°	10.7	12.3	11.3	10.2	9.7	9.2	8.7	8.2	8.2	8.2	8.7
100°	25.6	29.7	28.1	26.6	25.1	23.5	21.5	19.4	19.4	19.4	21.5
102.5°	46.0	51.1	49.6	48.1	45.5	43.0	41.4	39.9	38.9	39.9	41.4
105°	69.0	73.7	72.6	71.6	69.0	66.5	64.4	62.4	62.4	62.4	64.4
107.5°	93.6	97.2	96.7	96.2	94.1	92.1	90.5	89.0	88.0	89.0	90.5



REPORT NUMBER: P227275

CATALOG NUMBER: ISW-AF-600-LED-E1-SLR-ULG

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
110°	119.7	122.8	123.3	123.8	122.8	121.7	120.2	118.7	119.7	118.7	120.2
112.5°	148.8	151.4	152.4	153.4	152.9	152.4	151.4	150.4	150.4	150.4	151.4
115°	180.6	183.1	184.6	186.2	184.6	183.1	182.1	181.1	182.1	181.1	182.1
117.5°	212.8	215.8	217.9	219.9	217.4	214.8	213.8	212.8	213.8	212.8	213.8
120°	250.1	251.6	253.7	255.7	253.2	250.6	249.6	248.6	248.6	248.6	249.6
122.5°	284.4	285.4	287.4	289.5	286.9	284.4	283.4	282.3	283.4	282.3	283.4
125°	318.6	320.2	321.2	322.2	319.7	317.1	317.1	317.1	317.1	317.1	317.1
127.5°	350.4	352.9	353.4	353.9	353.9	353.9	353.4	352.9	355.0	352.9	353.4
130°	383.1	385.7	387.7	389.7	389.7	389.7	388.7	387.7	388.7	387.7	388.7
132.5°	417.4	420.4	423.0	425.5	424.5	423.5	423.5	423.5	424.5	423.5	423.5
135°	450.1	453.2	455.7	458.3	457.8	457.3	458.8	460.3	461.4	460.3	458.8
137.5°	481.3	483.9	484.9	485.9	486.4	486.9	489.5	492.0	493.1	492.0	489.5
140°	509.9	511.5	512.5	513.5	514.5	515.6	518.1	520.7	522.7	520.7	518.1
142.5°	538.1	539.1	542.2	545.2	545.2	545.2	545.7	546.3	548.3	546.3	545.7
145°	566.2	568.8	571.8	574.9	574.4	573.9	572.3	570.8	572.9	570.8	572.3
147.5°	590.8	593.3	595.9	598.4	598.9	599.4	597.9	596.4	598.4	596.4	597.9
150°	608.7	610.7	612.2	613.8	615.3	616.8	618.4	619.9	624.0	619.9	618.4
152.5°	624.5	625.0	626.6	628.1	630.1	632.2	634.7	637.3	642.4	637.3	634.7
155°	641.4	640.4	642.9	645.5	648.0	650.6	651.6	652.6	655.7	652.6	651.6
157.5°	659.3	658.8	660.8	662.9	663.9	664.9	664.9	664.9	670.0	664.9	664.9
160°	671.6	673.1	676.2	679.2	677.7	676.2	675.7	675.1	681.3	675.1	675.7
162.5°	680.3	682.3	684.4	686.4	685.9	685.4	684.4	683.3	689.5	683.3	684.4
165°	687.9	687.4	690.0	692.5	694.1	695.6	694.6	693.6	697.7	693.6	694.6
167.5°	697.1	693.6	696.6	699.7	701.7	703.8	703.8	703.8	709.9	703.8	703.8
170°	704.3	701.7	703.3	704.8	707.4	709.9	711.0	712.0	717.1	712.0	711.0
172.5°	705.3	704.8	706.3	707.9	708.9	709.9	711.0	712.0	717.1	712.0	711.0
175°	705.8	705.8	708.4	711.0	711.5	712.0	711.0	709.9	715.0	709.9	711.0
177.5°	710.4	709.9	712.5	715.0	716.1	717.1	715.6	714.0	718.1	714.0	715.6
180°	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1



REPORT NUMBER: P227275

CATALOG NUMBER: ISW-AF-600-LED-E1-SLR-ULG

**CANDELA DISTRIBUTION (continued):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7
2.5°	1034.7	1024.4	1018.9	1040.1	1038.3	1020.1	1020.1	1032.9	1033.5	1022.5	1035.3
5°	853.7	843.3	853.0	844.5	849.4	848.7	856.1	842.7	848.1	843.3	831.8
7.5°	633.1	653.8	664.7	650.7	668.3	677.4	664.7	677.4	657.3	641.0	656.7
10°	435.7	458.7	454.5	476.9	485.5	490.3	499.4	487.8	473.9	469.6	458.1
12.5°	337.8	333.0	331.1	340.2	345.7	337.8	344.5	337.2	329.9	317.1	316.5
15°	264.3	256.4	250.9	240.6	236.9	238.8	241.8	241.8	227.2	227.8	233.3
17.5°	200.5	198.7	194.5	185.9	180.4	182.3	181.7	178.6	176.8	178.0	184.7
20°	150.7	148.8	151.3	153.7	151.9	152.5	150.1	147.0	145.8	147.0	148.2
22.5°	119.1	121.5	124.6	128.2	128.8	131.9	131.2	131.9	129.4	128.2	125.2
25°	108.7	110.0	108.1	108.7	108.7	111.8	111.2	111.2	108.7	108.1	108.7
27.5°	96.0	95.3	95.3	96.6	96.6	98.4	99.6	98.4	96.0	95.3	96.0
30°	88.7	88.1	87.5	88.1	87.5	88.1	89.3	89.3	88.1	86.2	86.8
32.5°	81.4	81.4	80.8	81.4	80.8	80.8	82.0	80.2	80.2	79.6	79.6
35°	71.7	72.9	74.2	74.8	74.8	74.8	75.9	74.2	73.6	72.9	72.9
37.5°	62.0	63.2	66.8	68.6	69.3	70.5	71.1	69.9	68.6	67.4	66.2
40°	58.9	58.9	60.1	62.6	65.1	65.6	66.8	65.1	64.4	62.6	60.8
42.5°	56.5	57.1	57.1	57.7	58.3	59.5	61.4	59.5	58.3	57.1	55.2
45°	54.7	54.7	54.7	54.7	54.1	54.1	54.7	53.5	52.9	52.3	52.3
47.5°	53.5	52.9	52.3	51.7	51.0	50.4	50.4	49.2	49.2	49.2	49.2
50°	52.3	51.0	50.4	49.8	48.6	48.6	48.6	47.4	46.7	46.7	47.4
52.5°	50.4	49.8	49.2	48.6	48.0	47.4	47.4	46.1	45.5	45.5	45.5
55°	49.8	49.2	48.0	47.4	46.7	47.4	46.7	46.1	45.0	45.0	45.0
57.5°	48.0	48.6	48.0	46.7	46.7	46.7	46.7	45.5	45.0	43.8	44.4
59°	47.4	48.0	47.4	46.7	46.1	46.7	46.7	45.0	44.4	43.8	43.8
60°	46.7	47.4	46.7	46.1	46.1	46.7	46.1	45.5	44.4	42.6	43.2
62.5°	46.1	46.1	45.5	45.5	45.0	45.5	45.0	43.8	42.6	41.3	40.7
65°	45.0	45.0	44.4	44.4	43.8	43.8	43.8	42.6	41.3	40.1	40.1
67.5°	44.4	43.8	43.2	43.2	42.6	42.6	42.6	41.3	39.5	38.9	38.3
70°	41.9	41.3	41.3	40.7	40.1	40.7	41.3	39.5	37.6	36.4	35.8
72.5°	39.5	38.9	38.9	38.3	38.3	38.9	39.5	37.6	35.2	34.1	33.5
75°	35.8	35.2	35.2	35.2	35.2	36.4	36.4	34.7	32.8	31.0	29.8
77.5°	31.0	31.6	31.6	31.6	31.6	32.8	32.8	31.6	29.8	28.5	26.7
80°	26.7	26.7	27.3	27.3	27.9	27.9	27.3	26.7	26.1	25.0	22.5
82.5°	22.5	22.5	22.5	22.5	22.5	21.9	20.7	21.9	21.9	20.7	18.8
85°	17.6	17.6	17.6	18.2	18.2	16.4	14.6	14.6	16.4	15.8	14.6
87.5°	10.3	10.3	10.9	12.8	11.6	10.9	9.1	9.7	9.1	10.3	8.5
90°	11.7	11.0	11.0	8.8	8.4	7.2	7.2	7.7	8.2	8.2	8.2
92.5°	6.1	6.6	7.2	7.2	7.2	6.6	6.1	6.1	6.1	6.1	6.1
95°	7.2	7.7	8.2	7.7	7.2	7.2	7.2	7.2	7.2	7.2	7.2
97.5°	9.2	9.7	10.2	11.3	12.3	10.7	9.2	9.2	9.2	8.7	8.2
100°	23.5	25.1	26.6	28.1	29.7	25.6	21.5	16.9	12.3	11.3	10.2
102.5°	43.0	45.5	48.1	49.6	51.1	46.0	40.9	34.3	27.6	23.0	18.4
105°	66.5	69.0	71.6	72.6	73.7	69.0	64.4	56.8	49.1	43.0	36.8
107.5°	92.1	94.1	96.2	96.7	97.2	93.6	90.0	82.3	74.7	67.0	59.3



REPORT NUMBER: P227275  
 CATALOG NUMBER: ISW-AF-600-LED-E1-SLR-ULG

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	
110°	121.7	122.8	123.8	123.3	122.8	119.7	116.6	110.5	104.3	96.7	89.0	0°
112.5°	152.4	152.9	153.4	152.4	151.4	148.8	146.3	141.7	137.1	130.4	123.8	2.5°
115°	183.1	184.6	186.2	184.6	183.1	180.6	178.0	174.9	171.9	167.3	162.6	5°
117.5°	214.8	217.4	219.9	217.9	215.8	212.8	209.7	208.2	206.6	204.1	201.5	7.5°
120°	250.6	253.2	255.7	253.7	251.6	250.1	248.6	245.5	242.4	240.4	238.3	10°
122.5°	284.4	286.9	289.5	287.4	285.4	284.4	283.4	280.3	277.2	275.2	273.1	12.5°
125°	317.1	319.7	322.2	321.2	320.2	318.6	317.1	314.6	312.0	308.9	305.9	15°
127.5°	353.9	353.9	353.9	353.4	352.9	350.4	347.8	347.3	346.8	343.7	340.6	17.5°
130°	389.7	389.7	389.7	387.7	385.7	383.1	380.5	379.5	378.5	376.4	374.4	20°
132.5°	423.5	424.5	425.5	423.0	420.4	417.4	414.3	413.8	413.3	411.7	410.2	22.5°
135°	457.3	457.8	458.3	455.7	453.2	450.1	447.0	446.0	445.0	443.4	441.9	25°
137.5°	486.9	486.4	485.9	484.9	483.9	481.3	478.7	476.7	474.6	472.6	470.6	27.5°
140°	515.6	514.5	513.5	512.5	511.5	509.9	508.4	505.3	502.3	501.2	500.2	30°
142.5°	545.2	545.2	545.2	542.2	539.1	538.1	537.0	535.0	533.0	531.4	529.9	32.5°
145°	573.9	574.4	574.9	571.8	568.8	566.2	563.6	563.1	562.6	561.1	559.6	35°
147.5°	599.4	598.9	598.4	595.9	593.3	590.8	588.2	587.7	587.2	587.2	587.2	37.5°
150°	616.8	615.3	613.8	612.2	610.7	608.7	606.6	606.6	606.6	606.6	606.6	40°
152.5°	632.2	630.1	628.1	626.6	625.0	624.5	624.0	624.0	624.0	623.5	623.0	42.5°
155°	650.6	648.0	645.5	642.9	640.4	641.4	642.4	643.4	644.5	642.9	641.4	45°
157.5°	664.9	663.9	662.9	660.8	658.8	659.3	659.8	660.3	660.8	659.8	658.8	47.5°
160°	676.2	677.7	679.2	676.2	673.1	671.6	670.0	670.0	670.0	670.5	671.1	50°
162.5°	685.4	685.9	686.4	684.4	682.3	680.3	678.2	677.2	676.2	678.2	680.3	52.5°
165°	695.6	694.1	692.5	690.0	687.4	687.9	688.4	688.4	688.4	690.0	691.5	55°
167.5°	703.8	701.7	699.7	696.6	693.6	697.1	700.7	702.3	703.8	702.8	701.7	57.5°
170°	709.9	707.4	704.8	703.3	701.7	704.3	706.9	707.9	708.9	708.4	707.9	59°
172.5°	709.9	708.9	707.9	706.3	704.8	705.3	705.8	705.8	705.8	707.4	708.9	60°
175°	712.0	711.5	711.0	708.4	705.8	705.8	705.8	706.3	706.9	708.9	711.0	62.5°
177.5°	717.1	716.1	715.0	712.5	709.9	710.4	711.0	712.0	713.0	714.0	715.0	65°
180°	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	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: P227275  
 NUMBER: ISW-AF-600-LED-E1-SLR-ULG

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

160°	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	110°	160°
1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	110°	82.3
1036.6	1038.9	1044.4	1042.6	1062.6	1056.6	1070.5	1089.3	1106.9	1098.4	1100.9	112.5°	116.1
852.4	855.5	832.4	846.3	867.0	858.5	855.5	883.4	876.7	908.3	882.2	115°	156.5
631.3	624.0	613.1	607.5	592.4	592.4	620.9	633.7	631.9	653.8	676.2	117.5°	197.4
443.6	435.1	421.7	418.0	433.2	440.5	453.3	466.0	483.0	507.9	522.5	120°	234.8
325.6	322.6	325.6	334.8	348.7	359.1	378.5	401.0	419.8	439.9	459.3	122.5°	270.1
246.0	252.2	260.0	266.1	277.0	296.5	306.8	331.7	348.7	366.3	388.8	125°	304.3
191.4	195.1	196.8	199.3	208.4	222.4	222.4	247.9	270.4	293.5	312.3	127.5°	338.6
145.8	145.8	139.7	143.4	144.6	143.4	150.7	165.3	179.8	195.1	224.8	130°	372.4
122.1	118.5	116.6	116.0	116.6	119.1	123.4	128.8	131.2	137.9	149.5	132.5°	406.1
108.1	107.5	105.7	105.7	106.9	107.5	111.8	116.6	117.8	119.7	124.0	135°	438.8
95.3	96.6	98.4	97.8	98.4	99.6	102.7	106.9	109.4	110.0	113.0	137.5°	470.0
86.2	87.5	88.1	89.9	89.9	90.5	93.0	97.2	99.0	102.1	105.2	140°	499.2
80.2	80.8	81.4	80.8	81.4	81.4	84.5	88.7	91.1	93.0	94.8	142.5°	529.4
73.6	72.9	72.9	72.9	71.1	70.5	71.7	75.9	76.5	78.4	82.7	145°	558.0
65.6	63.8	62.6	62.6	62.6	63.2	66.2	70.5	71.1	72.9	76.5	147.5°	585.6
58.3	57.7	57.7	58.3	58.9	60.1	62.6	66.8	67.4	69.3	72.3	150°	606.6
54.7	54.7	54.7	55.2	55.9	56.5	59.5	63.8	65.1	66.8	70.5	152.5°	622.5
52.3	52.9	52.3	52.3	52.9	54.1	57.1	62.0	63.8	65.6	69.3	155°	640.4
50.4	50.4	50.4	51.0	51.0	52.3	55.9	60.8	62.0	64.4	69.9	157.5°	658.3
48.0	49.2	48.6	49.2	49.8	51.0	54.7	59.5	61.4	65.1	71.1	160°	672.6
46.7	46.7	46.7	47.4	48.6	49.2	52.3	57.7	60.1	65.1	74.8	162.5°	682.3
46.1	45.0	45.0	45.5	46.7	48.0	51.0	56.5	59.5	64.4	74.2	165°	691.5
45.5	43.8	43.2	43.8	45.0	45.5	49.2	54.7	58.9	62.6	71.7	167.5°	700.7
43.8	42.6	41.9	42.6	43.8	45.0	48.0	53.5	56.5	61.4	68.6	170°	707.9
43.2	41.3	41.3	41.9	43.2	43.8	46.7	52.3	55.2	62.0	70.5	172.5°	709.9
40.7	40.1	40.1	40.7	40.7	41.9	45.5	51.0	53.5	63.2	58.9	175°	712.0
38.9	38.9	38.9	38.9	39.5	40.1	44.4	49.8	51.0	54.7	50.4	177.5°	715.6
37.6	37.6	37.6	37.6	37.6	38.9	42.6	48.0	48.6	48.0	46.1	180°	716.1
35.2	35.2	35.2	35.2	35.8	36.4	40.1	45.0	45.0	43.8	43.8		
33.5	32.8	32.8	32.8	32.8	33.5	37.0	41.9	41.3	40.7	40.7		
29.8	29.8	29.8	29.8	29.8	29.8	33.5	38.3	37.6	37.0	36.4		
26.1	26.1	26.7	26.1	25.5	25.0	28.5	34.1	34.1	33.5	32.8		
22.5	21.9	22.5	21.9	20.7	20.7	23.7	28.5	29.2	28.5	27.3		
18.2	17.6	17.6	17.6	15.1	15.1	18.2	23.1	23.1	22.5	21.3		
14.0	13.4	12.8	12.2	10.3	10.3	12.8	17.0	17.6	15.1	14.6		
7.3	7.3	7.3	5.4	4.9	4.3	6.6	10.3	10.3	8.5	7.3		
7.7	7.2	6.1	5.1	5.1	5.1	6.1	7.8	7.7	8.2	8.2		
5.6	5.1	4.6	4.1	4.1	4.1	4.6	5.1	5.6	6.1	6.1		
6.6	6.1	5.6	5.1	5.1	5.1	5.6	6.1	6.6	7.2	7.2		
8.2	8.2	7.7	7.2	7.2	7.2	7.7	8.2	8.2	8.2	8.7		
9.7	9.2	8.7	8.2	8.2	8.2	8.7	9.2	9.7	10.2	11.3		
15.9	13.3	12.3	11.3	11.3	11.3	12.3	13.3	15.9	18.4	23.0		
32.2	27.6	25.1	22.5	21.5	22.5	25.1	27.6	32.2	36.8	43.0		
54.7	50.1	46.5	43.0	41.9	43.0	46.5	50.1	54.7	59.3	67.0		

'227275  
 ISW-AF-600-LED-E1-SLR-ULG

REPORT NUMBER: P227275  
 CATALOG NUMBER: ISW-AF-60

**TION (continued):**

**CANDELA DISTRIBUTION (con**

165°	170°	175°	180°	185°	190°	195°	200°	205°	210°		215°	220°
75.7	72.6	69.6	67.5	69.6	72.6	75.7	82.3	89.0	96.7	0°	1192.7	1192.7
108.4	104.9	101.3	101.3	101.3	104.9	108.4	116.1	123.8	130.4	2.5°	1116.1	1121.6
150.4	146.3	142.2	143.2	142.2	146.3	150.4	156.5	162.6	167.3	5°	901.6	922.9
193.3	190.8	188.2	188.2	188.2	190.8	193.3	197.4	201.5	204.1	7.5°	681.7	710.2
231.2	229.7	228.1	230.2	228.1	229.7	231.2	234.8	238.3	240.4	10°	546.2	565.7
267.0	266.5	266.0	269.0	266.0	266.5	267.0	270.1	273.1	275.2	12.5°	479.4	507.3
302.8	301.8	300.7	304.8	300.7	301.8	302.8	304.3	305.9	308.9	15°	411.3	441.7
336.6	336.6	336.6	337.6	336.6	336.6	336.6	338.6	340.6	343.7	17.5°	337.2	374.3
370.3	369.8	369.3	371.3	369.3	369.8	370.3	372.4	374.4	376.4	20°	257.6	294.1
402.0	402.5	403.0	405.1	403.0	402.5	402.0	406.1	410.2	411.7	22.5°	181.1	212.1
435.8	435.8	435.8	438.8	435.8	435.8	435.8	438.8	441.9	443.4	25°	131.9	145.8
469.5	468.5	467.5	470.6	467.5	468.5	469.5	470.0	470.6	472.6	27.5°	117.2	122.8
498.2	497.2	496.1	499.2	496.1	497.2	498.2	499.2	500.2	501.2	30°	110.0	113.6
528.9	527.8	526.8	529.9	526.8	527.8	528.9	529.4	529.9	531.4	32.5°	99.0	102.7
556.5	557.5	558.5	562.6	558.5	557.5	556.5	558.0	559.6	561.1	35°	86.8	91.8
584.1	584.6	585.1	588.2	585.1	584.6	584.1	585.6	587.2	587.2	37.5°	80.8	84.5
606.6	606.1	605.6	608.7	605.6	606.1	606.6	606.6	606.6	606.6	40°	77.1	77.7
622.0	622.0	622.0	625.0	622.0	622.0	622.0	622.5	623.0	623.5	42.5°	74.2	74.2
639.3	639.3	639.3	643.4	639.3	639.3	639.3	640.4	641.4	642.9	45°	72.3	74.2
657.8	657.8	657.8	660.8	657.8	657.8	657.8	658.3	658.8	659.8	47.5°	73.6	81.4
674.1	674.6	675.1	678.2	675.1	674.6	674.1	672.6	671.1	670.5	50°	82.7	80.2
684.4	684.4	684.4	688.4	684.4	684.4	684.4	682.3	680.3	678.2	52.5°	84.5	75.3
691.5	692.5	693.6	696.6	693.6	692.5	691.5	691.5	691.5	690.0	55°	77.1	72.3
699.7	701.2	702.8	705.8	702.8	701.2	699.7	700.7	701.7	702.8	57.5°	69.3	63.2
707.9	709.4	711.0	714.0	711.0	709.4	707.9	707.9	707.9	708.4	59°	62.0	58.3
711.0	712.0	713.0	715.0	713.0	712.0	711.0	709.9	708.9	707.4	60°	57.7	56.5
713.0	713.5	714.0	716.1	714.0	713.5	713.0	712.0	711.0	708.9	62.5°	52.9	54.1
716.1	718.6	721.2	723.2	721.2	718.6	716.1	715.6	715.0	714.0	65°	49.2	51.7
716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	67.5°	47.4	49.2
										70°	44.4	45.5
										72.5°	41.3	41.9
										75°	37.0	37.6
										77.5°	32.8	32.8
										80°	26.7	26.7
										82.5°	20.7	20.0
										85°	13.4	12.8
										87.5°	6.0	4.9
										90°	8.2	7.7
										92.5°	6.1	6.1
										95°	7.2	7.2
										97.5°	9.2	9.2
										100°	12.3	16.9
										102.5°	27.6	34.3
										105°	49.1	56.8
										107.5°	74.7	82.3



REPORT NUMBER: P227275

CATALOG NUMBER: ISW-AF-600-LED-E1-

00-LED-E1-SLR-ULG

**tinued):**

**CANDELA DISTRIBUTION (continued):**

225°	230°	235°	240°	245°	250°	255°	260°	265°		215°	220°	225°
1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	110°	104.3	110.5	116.6
1148.9	1166.0	1179.3	1176.8	1205.4	1222.4	1224.9	1242.5	1259.5	112.5°	137.1	141.7	146.3
939.9	963.6	986.6	1003.7	1048.6	1085.8	1114.3	1144.7	1180.5	115°	171.9	174.9	178.0
749.1	769.2	806.8	834.2	881.6	924.7	966.6	1014.7	1055.4	117.5°	206.6	208.2	209.7
586.9	612.4	647.6	698.7	741.2	790.4	843.3	888.8	956.9	120°	242.4	245.5	248.6
527.3	543.2	572.3	596.6	649.5	701.7	761.3	823.9	886.4	122.5°	277.2	280.3	283.4
466.0	494.0	521.3	556.5	602.7	659.8	724.2	791.7	862.1	125°	312.0	314.6	317.1
406.4	443.6	473.3	511.6	563.2	635.6	719.3	803.2	885.9	127.5°	346.8	347.3	347.8
333.6	368.2	420.4	459.3	526.7	617.2	724.9	840.9	952.7	130°	378.5	379.5	380.5
262.5	299.5	359.1	416.8	490.9	607.5	746.7	902.9	1052.3	132.5°	413.3	413.8	414.3
187.7	238.1	297.1	370.0	459.9	601.5	776.4	979.4	1180.5	135°	445.0	446.0	447.0
140.3	175.5	247.2	326.8	425.3	590.5	808.0	1050.5	1267.9	137.5°	474.6	476.7	478.7
125.2	150.1	196.8	280.7	382.8	569.3	831.8	1117.9	1347.5	140°	502.3	505.3	508.4
109.4	128.8	165.8	236.9	344.5	536.4	842.1	1153.8	1402.9	142.5°	533.0	535.0	537.0
96.0	114.3	151.9	219.9	325.1	499.4	840.3	1189.6	1472.1	145°	562.6	563.1	563.6
87.5	103.3	145.8	215.6	309.9	465.4	842.1	1247.3	1574.8	147.5°	587.2	587.7	588.2
80.8	99.0	141.0	206.5	302.6	446.5	849.4	1298.3	1662.9	150°	606.6	606.6	606.6
80.8	97.8	128.8	193.8	298.9	448.4	852.4	1337.8	1728.5	152.5°	624.0	624.0	624.0
85.1	91.8	119.7	186.5	301.4	461.8	848.7	1377.9	1792.3	155°	644.5	643.4	642.4
80.8	85.6	113.6	185.3	301.4	471.5	859.7	1427.7	1876.2	157.5°	660.8	660.3	659.8
76.5	79.6	111.8	183.5	295.3	480.6	904.7	1520.7	1985.5	160°	670.0	670.0	670.0
71.1	74.8	109.4	180.4	288.6	492.1	984.3	1676.9	2166.6	162.5°	676.2	677.2	678.2
64.4	71.7	105.7	175.5	284.4	512.8	1065.7	1834.9	2382.2	165°	688.4	688.4	688.4
62.0	68.6	97.2	164.1	280.1	535.3	1152.6	1986.2	2576.1	167.5°	703.8	702.3	700.7
60.1	66.2	89.9	155.5	276.4	546.2	1178.6	2043.9	2650.8	170°	708.9	707.9	706.9
58.9	65.1	85.6	148.2	272.2	546.8	1197.5	2065.7	2661.7	172.5°	705.8	705.8	705.8
57.1	62.6	77.1	133.1	258.8	546.2	1199.3	2079.7	2630.1	175°	706.9	706.3	705.8
54.1	60.1	77.7	125.2	234.6	520.7	1124.0	2012.2	2504.4	177.5°	713.0	712.0	711.0
51.7	58.3	82.0	126.9	209.0	455.1	983.1	1802.6	2235.2	180°	716.1	716.1	716.1
48.0	57.1	85.6	131.2	201.7	377.9	743.7	1472.1	1871.9				
44.4	56.5	88.7	134.3	193.8	311.1	515.3	1043.8	1401.0				
40.1	51.7	80.8	114.3	160.4	226.0	331.7	682.9	966.1				
34.7	41.3	58.9	80.2	117.8	157.9	196.2	412.6	631.9				
28.5	31.0	41.9	51.7	78.4	93.6	108.7	232.7	441.7				
21.3	21.9	28.5	32.8	44.4	51.7	65.1	142.8	357.8				
12.2	14.0	19.4	21.9	26.7	32.8	42.6	91.1	280.7				
4.9	6.0	11.6	12.8	14.6	18.2	23.7	52.9	87.5				
7.2	7.2	7.2	8.2	9.2	9.2	9.2	8.2	7.2				
6.1	6.6	7.2	7.2	7.2	6.6	6.1	6.1	6.1				
7.2	7.2	7.2	7.7	8.2	7.7	7.2	7.2	7.2				
9.2	10.7	12.3	11.3	10.2	9.7	9.2	8.7	8.2				
21.5	25.6	29.7	28.1	26.6	25.1	23.5	21.5	19.4				
40.9	46.0	51.1	49.6	48.1	45.5	43.0	41.4	39.9				
64.4	69.0	73.7	72.6	71.6	69.0	66.5	64.4	62.4				
90.0	93.6	97.2	96.7	96.2	94.1	92.1	90.5	89.0				

REPORT NUMBER: P227275

CATALOG NUMBER: ISW-AF-600-LED-E1-SLR-ULG

SLR-ULG

**CANDELA DISTRIBUTION (continued):**

230°	235°	240°	245°	250°	255°	260°	265°		270°	275°	280°	285°
119.7	122.8	123.3	123.8	122.8	121.7	120.2	118.7	0°	1192.7	1192.7	1192.7	1192.7
148.8	151.4	152.4	153.4	152.9	152.4	151.4	150.4	2.5°	1276.5	1289.2	1300.2	1308.7
180.6	183.1	184.6	186.2	184.6	183.1	182.1	181.1	5°	1218.7	1248.5	1284.4	1314.8
212.8	215.8	217.9	219.9	217.4	214.8	213.8	212.8	7.5°	1116.1	1153.8	1212.1	1247.9
250.1	251.6	253.7	255.7	253.2	250.6	249.6	248.6	10°	1018.9	1074.2	1137.9	1189.6
284.4	285.4	287.4	289.5	286.9	284.4	283.4	282.3	12.5°	952.7	1021.3	1082.1	1139.8
318.6	320.2	321.2	322.2	319.7	317.1	317.1	317.1	15°	934.5	1004.3	1059.0	1111.8
350.4	352.9	353.4	353.9	353.9	353.9	353.4	352.9	17.5°	970.9	1040.8	1087.5	1119.7
383.1	385.7	387.7	389.7	389.7	389.7	388.7	387.7	20°	1056.6	1131.3	1161.0	1158.6
417.4	420.4	423.0	425.5	424.5	423.5	423.5	423.5	22.5°	1173.8	1252.2	1252.2	1227.8
450.1	453.2	455.7	458.3	457.8	457.3	458.8	460.3	25°	1328.7	1385.3	1354.3	1308.0
481.3	483.9	484.9	485.9	486.4	486.9	489.5	492.0	27.5°	1438.7	1491.6	1437.5	1361.5
509.9	511.5	512.5	513.5	514.5	515.6	518.1	520.7	30°	1529.8	1568.7	1500.1	1408.3
538.1	539.1	542.2	545.2	545.2	545.2	545.7	546.3	32.5°	1610.0	1638.6	1548.0	1457.5
566.2	568.8	571.8	574.9	574.4	573.9	572.3	570.8	35°	1706.1	1716.4	1597.8	1501.3
590.8	593.3	595.9	598.4	598.9	599.4	597.9	596.4	37.5°	1812.4	1820.9	1669.6	1549.3
608.7	610.7	612.2	613.8	615.3	616.8	618.4	619.9	40°	1937.6	1907.2	1722.4	1593.7
624.5	625.0	626.6	628.1	630.1	632.2	634.7	637.3	42.5°	2014.7	1964.9	1760.7	1616.8
641.4	640.4	642.9	645.5	648.0	650.6	651.6	652.6	45°	2075.5	2007.4	1778.3	1630.1
659.3	658.8	660.8	662.9	663.9	664.9	664.9	664.9	47.5°	2150.1	2069.9	1809.3	1654.4
671.6	673.1	676.2	679.2	677.7	676.2	675.7	675.1	50°	2248.5	2156.9	1887.8	1723.1
680.3	682.3	684.4	686.4	685.9	685.4	684.4	683.3	52.5°	2450.3	2336.7	2028.6	1842.7
687.9	687.4	690.0	692.5	694.1	695.6	694.6	693.6	55°	2682.4	2574.9	2254.1	2040.2
697.1	693.6	696.6	699.7	701.7	703.8	703.8	703.8	57.5°	2868.4	2796.0	2455.2	2218.8
704.3	701.7	703.3	704.8	707.4	709.9	711.0	712.0	59°	2937.0	2906.0	2597.4	2370.1
705.3	704.8	706.3	707.9	708.9	709.9	711.0	712.0	60°	2962.5	2989.3	2672.7	2462.4
705.8	705.8	708.4	711.0	711.5	712.0	711.0	709.9	62.5°	2980.1	3096.2	2917.6	2738.3
710.4	709.9	712.5	715.0	716.1	717.1	715.6	714.0	65°	2943.6	3113.8	3016.6	2906.6
716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	67.5°	2785.1	2988.7	2969.7	2873.2
								70°	2460.6	2687.3	2752.9	2615.6
								72.5°	1851.2	2132.5	2490.4	2275.3
								75°	1206.1	1466.1	2126.5	1949.0
								77.5°	755.2	915.0	1517.1	1365.2
								80°	502.5	588.1	963.0	876.7
								82.5°	377.9	416.8	662.3	622.8
								85°	199.3	254.0	515.3	653.2
								87.5°	74.8	83.3	387.6	583.9
								90°	7.2	7.2	8.8	9.2
								92.5°	6.1	6.1	6.1	6.1
								95°	7.2	7.2	7.2	7.2
								97.5°	8.2	8.2	8.7	9.2
								100°	19.4	19.4	21.5	23.5
								102.5°	38.9	39.9	41.4	43.0
								105°	62.4	62.4	64.4	66.5
								107.5°	88.0	89.0	90.5	92.1



REPORT NUMBER: P227275

CATALOG NUMBER: ISW-AF-600-LED-E1-SLR-ULG

**CANDELA DISTRIBUTION (continued):**

290°	295°	300°	305°	310°	315°	320°		270°	275°	280°	285°	290°
1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7	110°	119.7	118.7	120.2	121.7	122.8
1316.0	1327.0	1333.6	1328.7	1336.7	1338.4	1329.9	112.5°	150.4	150.4	151.4	152.4	152.9
1340.3	1370.7	1392.5	1407.7	1413.8	1419.2	1416.9	115°	182.1	181.1	182.1	183.1	184.6
1295.4	1342.1	1382.8	1410.8	1420.5	1427.7	1421.1	117.5°	213.8	212.8	213.8	214.8	217.4
1245.5	1294.1	1332.4	1360.3	1359.7	1367.1	1354.3	120°	248.6	248.6	249.6	250.6	253.2
1198.7	1246.2	1280.1	1278.9	1270.4	1249.1	1245.5	122.5°	283.4	282.3	283.4	284.4	286.9
1161.7	1186.6	1195.1	1193.3	1168.9	1156.9	1155.0	125°	317.1	317.1	317.1	317.1	319.7
1143.5	1142.2	1122.8	1101.5	1078.4	1077.2	1061.4	127.5°	355.0	352.9	353.4	353.9	353.9
1146.5	1106.9	1071.1	1034.7	1009.8	1004.3	1006.2	130°	388.7	387.7	388.7	389.7	389.7
1184.8	1114.9	1047.4	1010.4	981.2	972.7	976.4	132.5°	424.5	423.5	423.5	423.5	424.5
1232.8	1139.2	1055.4	998.8	975.2	964.8	966.6	135°	461.4	460.3	458.8	457.3	457.8
1265.0	1167.1	1081.5	1011.6	979.4	969.7	975.8	137.5°	493.1	492.0	489.5	486.9	486.4
1306.3	1205.4	1116.8	1044.4	996.5	983.7	987.9	140°	522.7	520.7	518.1	515.6	514.5
1347.0	1246.8	1166.6	1084.5	1026.2	1002.5	1009.1	142.5°	548.3	546.3	545.7	545.2	545.2
1390.7	1294.7	1213.9	1139.2	1070.5	1033.5	1042.0	145°	572.9	570.8	572.3	573.9	574.4
1441.7	1350.6	1281.3	1212.7	1142.2	1111.2	1114.9	147.5°	598.4	596.4	597.9	599.4	598.9
1491.0	1405.3	1360.9	1309.9	1268.6	1221.2	1221.2	150°	624.0	619.9	618.4	616.8	615.3
1520.1	1476.4	1464.3	1449.6	1425.4	1391.3	1384.1	152.5°	642.4	637.3	634.7	632.2	630.1
1556.0	1560.8	1588.7	1617.9	1625.3	1591.8	1581.5	155°	655.7	652.6	651.6	650.6	648.0
1623.4	1674.5	1766.2	1845.8	1861.6	1888.9	1857.4	157.5°	670.0	664.9	664.9	664.9	663.9
1718.1	1812.4	1967.3	2097.4	2134.4	2136.8	2139.2	160°	681.3	675.1	675.7	676.2	677.7
1826.4	1961.2	2166.0	2320.9	2387.2	2404.8	2392.0	162.5°	689.5	683.3	684.4	685.4	685.9
2011.6	2133.8	2358.0	2525.1	2610.1	2651.4	2640.4	165°	697.7	693.6	694.6	695.6	694.1
2195.2	2347.1	2544.5	2709.2	2799.6	2845.8	2855.6	167.5°	709.9	703.8	703.8	703.8	701.7
2320.3	2462.4	2644.7	2796.6	2885.9	2941.2	2946.1	170°	717.1	712.0	711.0	709.9	707.4
2396.9	2526.9	2704.9	2838.6	2927.9	2974.6	2991.6	172.5°	717.1	712.0	711.0	709.9	708.9
2629.0	2652.6	2774.1	2862.2	2924.8	2946.1	2958.9	175°	715.0	709.9	711.0	712.0	711.5
2737.7	2638.7	2624.7	2679.3	2684.8	2670.8	2653.2	177.5°	718.1	714.0	715.6	717.1	716.1
2586.4	2354.9	2269.2	2261.9	2239.4	2230.3	2174.5	180°	716.1	716.1	716.1	716.1	716.1
2246.2	1912.6	1761.3	1679.3	1729.1	1727.4	1670.2						
1892.6	1552.9	1356.7	1238.8	1224.3	1221.8	1172.0						
1537.2	1218.7	1046.8	989.7	921.1	900.4	908.9						
1108.2	870.0	833.6	877.3	882.8	867.0	856.1						
698.1	654.4	689.6	769.2	816.0	795.3	803.2						
582.1	515.3	517.6	601.5	633.1	637.9	621.5						
645.9	515.8	422.9	412.6	401.6	252.8	351.8						
582.1	399.2	235.2	193.8	119.1	68.6	71.1						
9.2	9.2	8.2	7.2	7.2	7.2	7.7						
6.6	7.2	7.2	7.2	6.6	6.1	6.1						
7.7	8.2	7.7	7.2	7.2	7.2	7.2						
9.7	10.2	11.3	12.3	10.7	9.2	9.2						
25.1	26.6	28.1	29.7	25.6	21.5	16.9						
45.5	48.1	49.6	51.1	46.0	40.9	34.3						
69.0	71.6	72.6	73.7	69.0	64.4	56.8						
94.1	96.2	96.7	97.2	93.6	90.0	82.3						



REPORT NUMBER: P227275

CATALOG NUMBER: ISW-AF-600-LED-E1-SLR-ULG

**CANDELA DISTRIBUTION (continued):**

295°	300°	305°	310°	315°	320°		325°	330°	335°	340°	345°	350°
123.8	123.3	122.8	119.7	116.6	110.5	0°	1192.7	1192.7	1192.7	1192.7	1192.7	1192.7
153.4	152.4	151.4	148.8	146.3	141.7	2.5°	1328.1	1316.6	1303.9	1286.9	1289.8	1269.2
186.2	184.6	183.1	180.6	178.0	174.9	5°	1398.0	1377.9	1350.6	1316.0	1283.8	1242.5
219.9	217.9	215.8	212.8	209.7	208.2	7.5°	1390.7	1358.5	1313.0	1260.7	1218.1	1158.6
255.7	253.7	251.6	250.1	248.6	245.5	10°	1328.1	1286.3	1249.1	1195.1	1139.8	1087.5
289.5	287.4	285.4	284.4	283.4	280.3	12.5°	1240.6	1216.9	1184.8	1144.1	1090.6	1037.1
322.2	321.2	320.2	318.6	317.1	314.6	15°	1145.3	1147.0	1127.6	1116.8	1090.0	1047.4
353.9	353.4	352.9	350.4	347.8	347.3	17.5°	1066.8	1085.1	1095.5	1112.5	1115.5	1094.9
389.7	387.7	385.7	383.1	380.5	379.5	20°	1014.7	1040.1	1072.4	1119.1	1168.3	1189.6
425.5	423.0	420.4	417.4	414.3	413.8	22.5°	985.5	1017.0	1068.7	1153.8	1243.7	1297.7
458.3	455.7	453.2	450.1	447.0	446.0	25°	980.0	1021.9	1094.3	1198.1	1314.8	1390.7
485.9	484.9	483.9	481.3	478.7	476.7	27.5°	989.1	1043.8	1129.4	1247.9	1362.8	1472.7
513.5	512.5	511.5	509.9	508.4	505.3	30°	1018.2	1082.1	1175.7	1303.2	1422.3	1531.7
545.2	542.2	539.1	538.1	537.0	535.0	32.5°	1046.3	1125.2	1228.5	1353.1	1472.7	1581.5
574.9	571.8	568.8	566.2	563.6	563.1	35°	1091.2	1170.8	1276.5	1391.3	1507.3	1630.7
598.4	595.9	593.3	590.8	588.2	587.7	37.5°	1159.8	1229.7	1314.2	1421.1	1542.0	1669.6
613.8	612.2	610.7	608.7	606.6	606.6	40°	1257.6	1303.9	1358.5	1443.0	1559.0	1695.7
628.1	626.6	625.0	624.5	624.0	624.0	42.5°	1404.1	1413.8	1432.6	1476.4	1574.2	1726.1
645.5	642.9	640.4	641.4	642.4	643.4	45°	1593.0	1563.9	1547.4	1541.4	1608.2	1745.6
662.9	660.8	658.8	659.3	659.8	660.3	47.5°	1812.4	1755.3	1689.6	1658.0	1673.9	1776.6
679.2	676.2	673.1	671.6	670.0	670.0	50°	2098.0	2005.0	1876.2	1785.0	1777.2	1867.7
686.4	684.4	682.3	680.3	678.2	677.2	52.5°	2359.7	2238.3	2076.1	1968.5	1924.8	2037.8
692.5	690.0	687.4	687.9	688.4	688.4	55°	2607.1	2513.5	2330.0	2196.4	2181.1	2263.2
699.7	696.6	693.6	697.1	700.7	702.3	57.5°	2824.0	2743.1	2593.1	2418.8	2424.8	2504.4
704.8	703.3	701.7	704.3	706.9	707.9	59°	2936.4	2869.0	2729.7	2552.4	2565.8	2675.1
707.9	706.3	704.8	705.3	705.8	705.8	60°	2976.5	2919.9	2787.5	2638.1	2655.1	2768.7
711.0	708.4	705.8	705.8	705.8	706.3	62.5°	2973.4	2937.0	2840.9	2770.5	2857.4	2940.6
715.0	712.5	709.9	710.4	711.0	712.0	65°	2689.6	2634.4	2623.5	2746.8	2914.5	2994.7
716.1	716.1	716.1	716.1	716.1	716.1	67.5°	2139.2	2165.4	2269.2	2481.3	2762.6	2879.3
						70°	1588.7	1635.0	1773.5	2039.6	2426.0	2627.8
						72.5°	1168.3	1214.5	1342.1	1633.8	1995.9	2174.5
						75°	916.8	930.8	1022.5	1251.6	1573.0	1719.4
						77.5°	846.9	805.1	767.3	890.1	1060.8	1186.6
						80°	788.6	709.0	620.3	657.3	698.7	832.4
						82.5°	612.4	559.6	490.3	537.7	557.1	561.4
						85°	358.4	319.0	404.1	572.3	566.2	495.8
						87.5°	126.3	164.1	184.7	317.1	383.4	331.7
						90°	8.2	10.0	13.6	13.7	16.3	9.2
						92.5°	6.1	6.1	6.1	5.6	5.1	4.6
						95°	7.2	7.2	7.2	6.6	6.1	5.6
						97.5°	9.2	8.7	8.2	8.2	8.2	7.7
						100°	12.3	11.3	10.2	9.7	9.2	8.7
						102.5°	27.6	23.0	18.4	15.9	13.3	12.3
						105°	49.1	43.0	36.8	32.2	27.6	25.1
						107.5°	74.7	67.0	59.3	54.7	50.1	46.5



REPORT NUMBER: P227275

CATALOG NUMBER: ISW-AF-600-LED-E1-SLR-ULG

**CANDELA DISTRIBUTION (continued):**

355°	359°	360°		325°	330°	335°	340°	345°	350°	355°
1192.7	1192.7	1192.7	110°	104.3	96.7	89.0	82.3	75.7	72.6	69.6
1252.8	1235.8	1234.6	112.5°	137.1	130.4	123.8	116.1	108.4	104.9	101.3
1209.6	1171.4	1159.2	115°	171.9	167.3	162.6	156.5	150.4	146.3	142.2
1106.9	1062.6	1053.5	117.5°	206.6	204.1	201.5	197.4	193.3	190.8	188.2
1020.7	971.5	963.0	120°	242.4	240.4	238.3	234.8	231.2	229.7	228.1
976.4	929.6	919.2	122.5°	277.2	275.2	273.1	270.1	267.0	266.5	266.0
993.4	941.7	936.3	125°	312.0	308.9	305.9	304.3	302.8	301.8	300.7
1057.1	1002.5	1004.9	127.5°	346.8	343.7	340.6	338.6	336.6	336.6	336.6
1166.6	1131.3	1122.8	130°	378.5	376.4	374.4	372.4	370.3	369.8	369.3
1309.9	1271.6	1260.7	132.5°	413.3	411.7	410.2	406.1	402.0	402.5	403.0
1432.0	1412.6	1405.3	135°	445.0	443.4	441.9	438.8	435.8	435.8	435.8
1520.1	1529.2	1521.9	137.5°	474.6	472.6	470.6	470.0	469.5	468.5	467.5
1590.6	1621.0	1617.4	140°	502.3	501.2	500.2	499.2	498.2	497.2	496.1
1662.9	1721.8	1724.3	142.5°	533.0	531.4	529.9	529.4	528.9	527.8	526.8
1716.4	1820.2	1841.5	145°	562.6	561.1	559.6	558.0	556.5	557.5	558.5
1785.0	1924.2	1946.1	147.5°	587.2	587.2	587.2	585.6	584.1	584.6	585.1
1837.3	2000.7	2027.5	150°	606.6	606.6	606.6	606.6	606.6	606.1	605.6
1888.3	2063.9	2093.1	152.5°	624.0	623.5	623.0	622.5	622.0	622.0	622.0
1930.2	2126.5	2156.3	155°	644.5	642.9	641.4	640.4	639.3	639.3	639.3
1977.7	2187.3	2216.4	157.5°	660.8	659.8	658.8	658.3	657.8	657.8	657.8
2062.7	2282.6	2317.3	160°	670.0	670.5	671.1	672.6	674.1	674.6	675.1
2245.6	2459.4	2508.7	162.5°	676.2	678.2	680.3	682.3	684.4	684.4	684.4
2509.8	2703.7	2742.5	165°	688.4	690.0	691.5	691.5	691.5	692.5	693.6
2748.1	2869.5	2879.8	167.5°	703.8	702.8	701.7	700.7	699.7	701.2	702.8
2845.8	2915.1	2912.0	170°	708.9	708.4	707.9	707.9	707.9	709.4	711.0
2917.6	2926.0	2909.1	172.5°	705.8	707.4	708.9	709.9	711.0	712.0	713.0
2956.4	2875.6	2846.5	175°	706.9	708.9	711.0	712.0	713.0	713.5	714.0
2855.0	2742.5	2704.3	177.5°	713.0	714.0	715.0	715.6	716.1	718.6	721.2
2562.1	2502.5	2458.9	180°	716.1	716.1	716.1	716.1	716.1	716.1	716.1
2179.3	2028.6	2000.1								
1652.0	1453.3	1410.8								
1154.4	916.3	858.5								
758.8	588.1	566.2								
492.1	390.7	384.0								
343.3	256.4	236.3								
210.8	85.6	82.0								
65.6	39.5	35.2								
7.0	7.6	7.6								
4.1	4.1	4.1								
5.1	5.1	5.1								
7.2	7.2	7.2								
8.2	8.2	8.2								
11.3	11.3	11.3								
22.5	21.7	21.5								
43.0	42.1	41.9								



359°	360°
67.9	67.5
101.3	101.3
143.0	143.2
188.2	188.2
229.8	230.2
268.4	269.0
304.0	304.8
337.4	337.6
370.9	371.3
404.7	405.1
438.2	438.8
469.9	470.6
498.6	499.2
529.3	529.9
561.8	562.6
587.6	588.2
608.0	608.7
624.4	625.0
642.6	643.4
660.2	660.8
677.6	678.2
687.6	688.4
696.0	696.6
705.2	705.8
713.4	714.0
714.6	715.0
715.7	716.1
722.8	723.2
716.1	716.1

(END OF REPORT)