

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: P228644

Luminaire Tested: **ISC-AF-600-LED-E1-SLR-7030-ULG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P228644  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29764)-DOWNLIGHT AND  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: ISC-AF-600-LED-E1-SLR-7030-ULG  
Description: IMPACT ELITE LED CYLINDER LUMINAIRE WITH UPLIGHT  
LIGHT SQUARE WITH ACCUED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT, WITH  
UPLIGHT GLOW  
Light Source: (16) 3000K CCT, 70 CRI LEDs and (1) UPLIGHT LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4311.2 lumens  
Efficiency: N/A  
Efficacy: 85.5 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 - G1

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

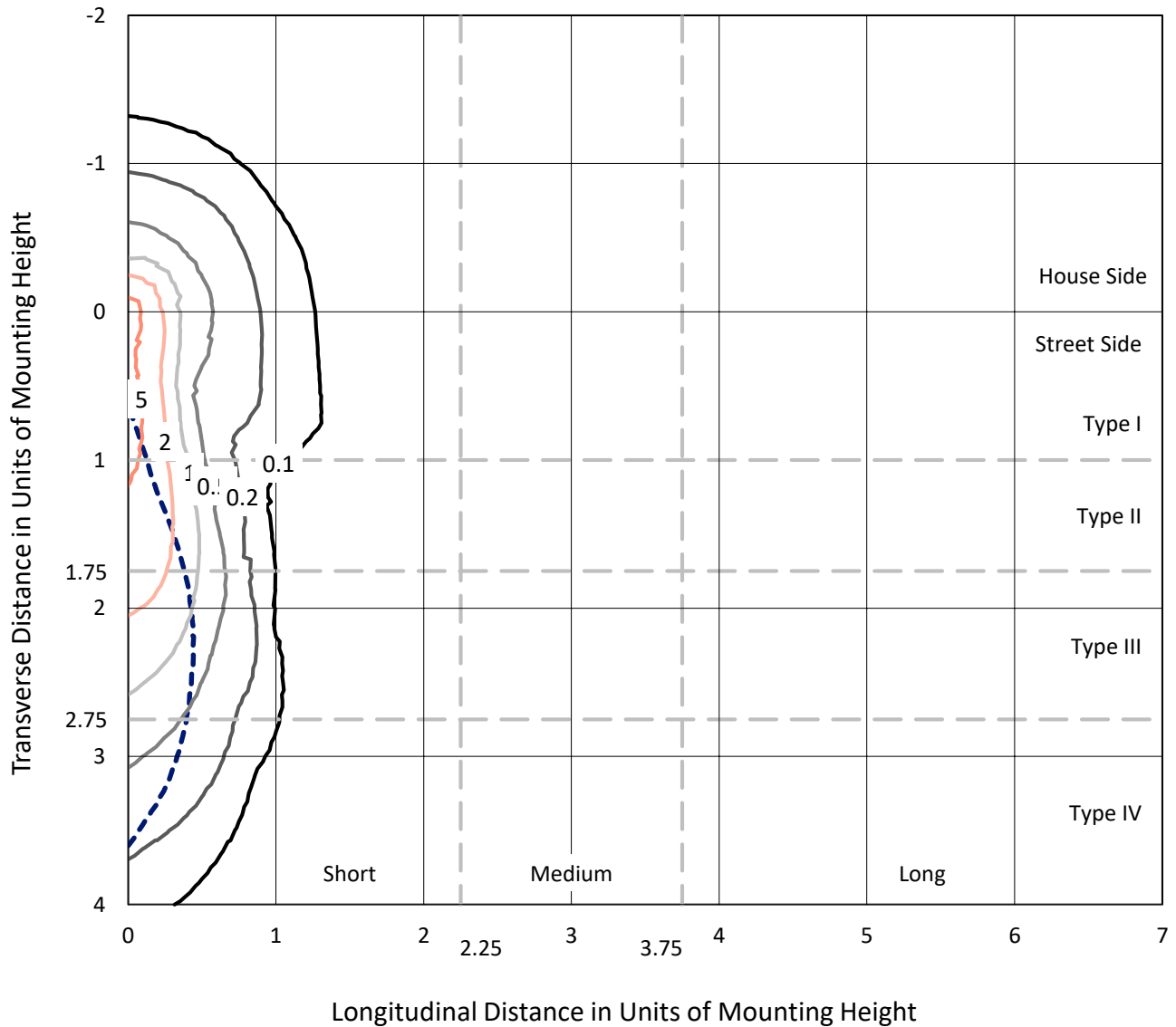


REPORT NUMBER: P228644

CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-7030-ULG

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

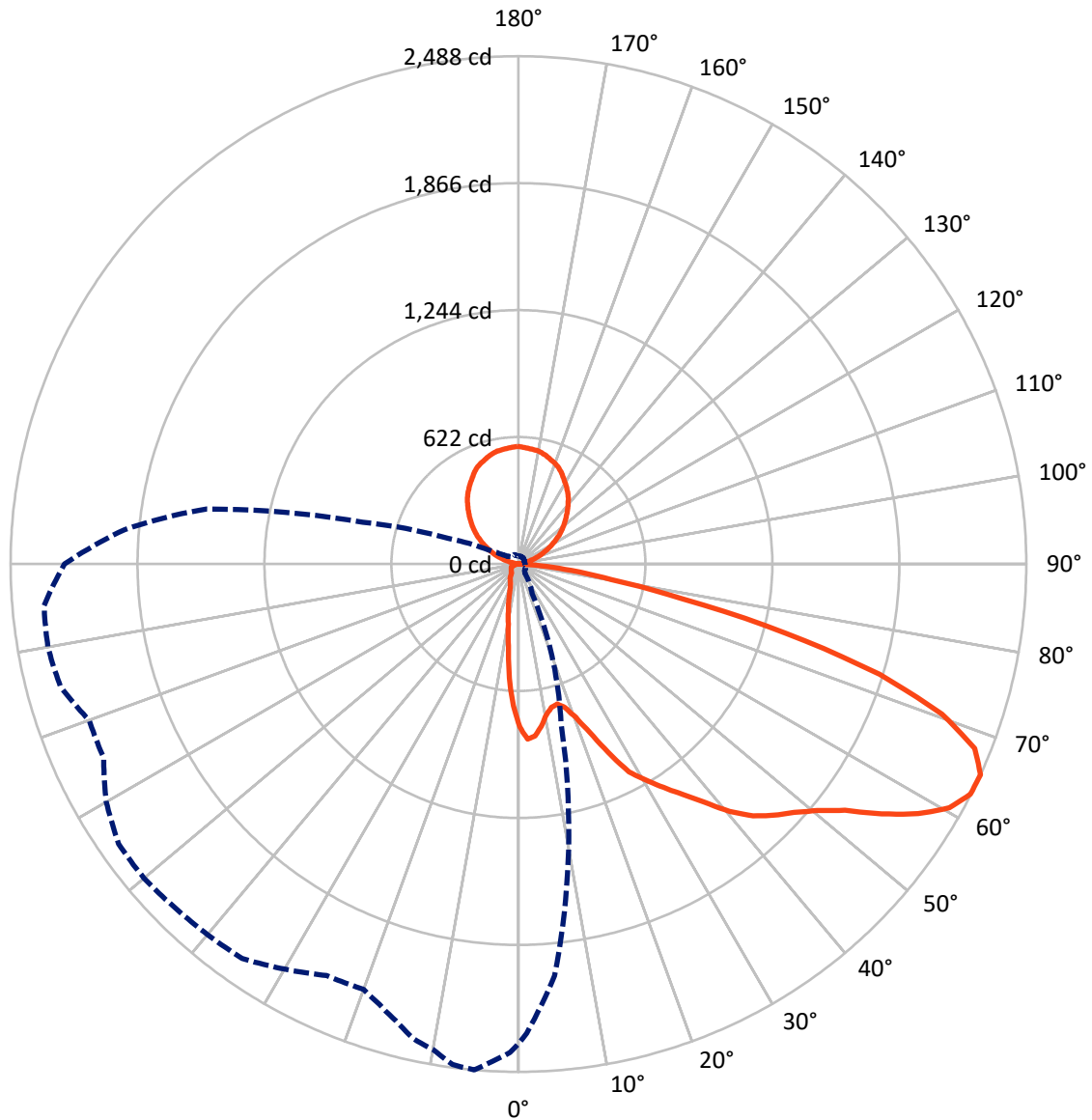


Based on 10 foot mounting height. Maximum calculated value = 8 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P228644

CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-7030-ULG

### Luminous Intensity Polar Plot



— Vertical Plane Through 355-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P228644

CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-7030-ULG

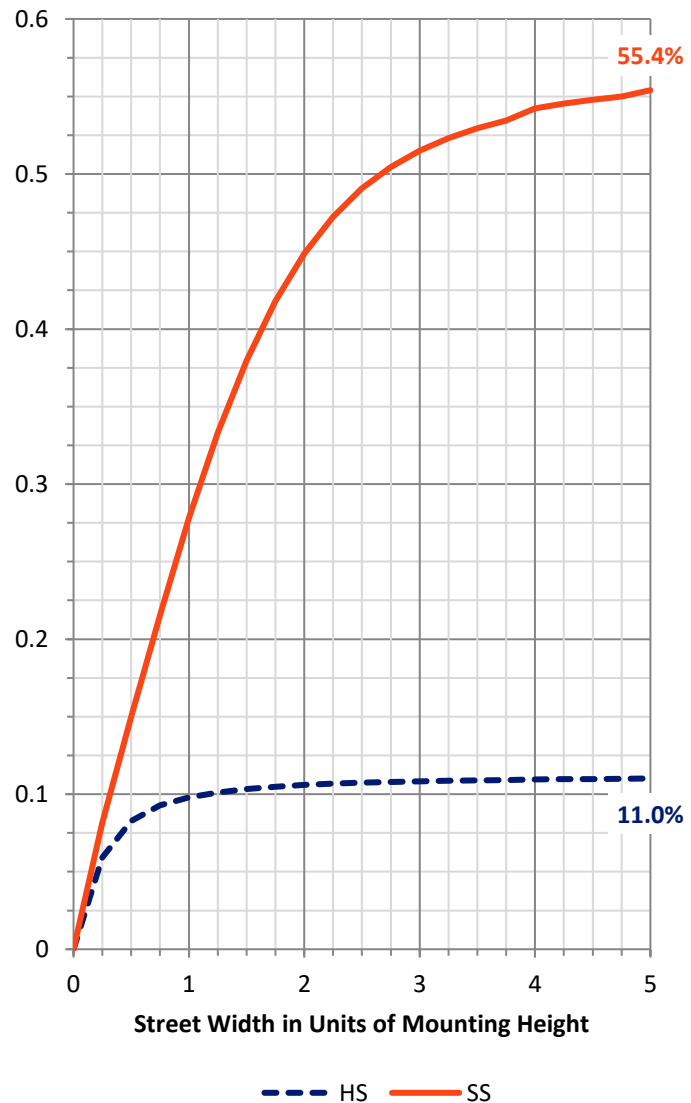
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	479.7	713.1	1192.8
	% Fixture	11.1	16.5	27.7
<b>Street Side</b>	Lumens	2405.3	713.1	3118.4
	% Fixture	55.8	16.5	72.3
<b>Total</b>	Lumens	2885.0	1426.2	4311.2
	% Fixture	66.9	33.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.3	1.4
10°-20°	126.3	2.9
20°-30°	183.6	4.3
30°-40°	271.6	6.3
40°-50°	395.7	9.2
50°-60°	593.2	13.8
60°-70°	739.2	17.1
70°-80°	433.0	10.0
80°-90°	81.0	1.9
90°-100°	4.7	0.1
100°-110°	69.0	1.6
110°-120°	153.0	3.6
120°-130°	223.9	5.2
130°-140°	265.6	6.2
140°-150°	269.3	6.2
150°-160°	231.1	5.4
160°-170°	155.1	3.6
170°-180°	54.3	1.3
0°-90°	2885.0	66.9
0°-180°	4311.2	100.0



REPORT NUMBER: P228644

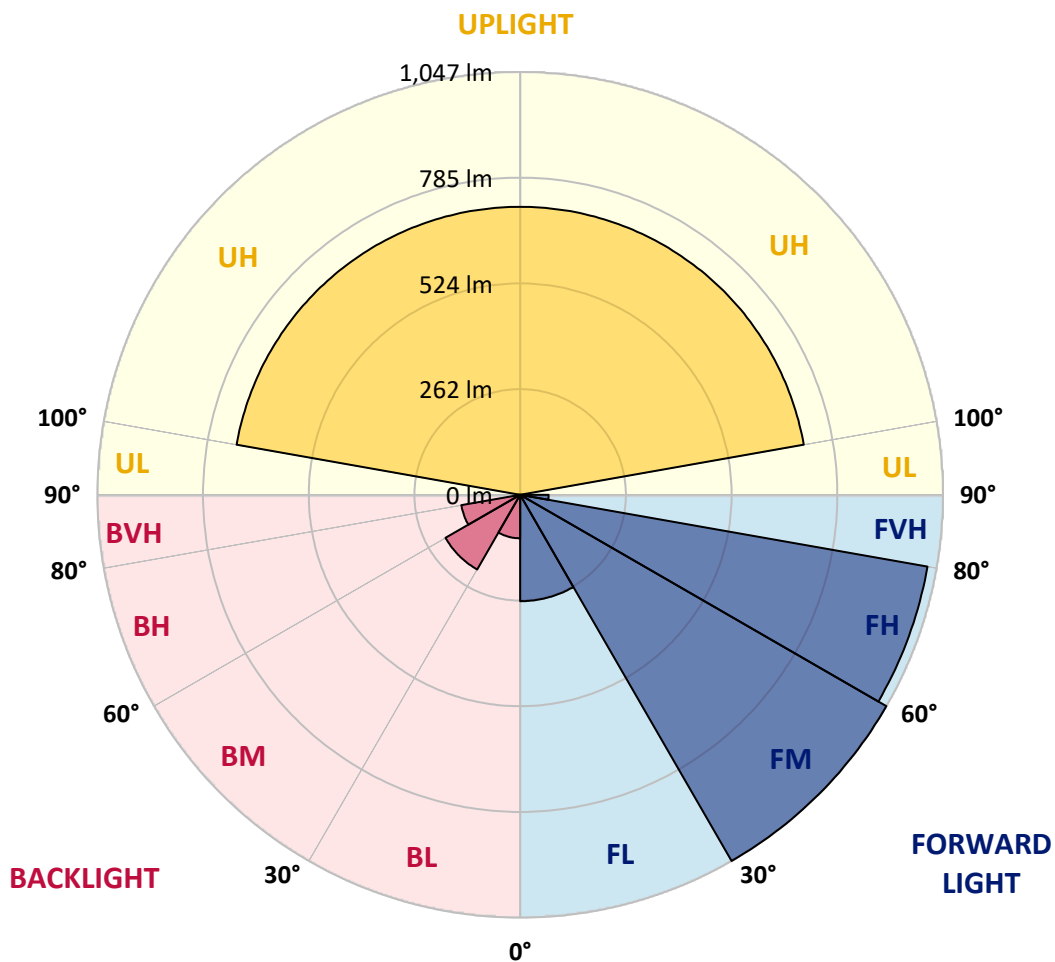
CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-7030-ULG

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	263.6	6.1			
FM	(30°-60°)	1047.0	24.3			
FH	(60°-80°)	1024.2	23.8			G1/1800
FVH	(80°-90°)	70.5	1.6			G1/100
BL	(0°-30°)	107.7	2.5	B0/110		
BM	(30°-60°)	213.5	5.0	B0/220		
BH	(60°-80°)	148.1	3.4	B1/500		G1/500
BVH	(80°-90°)	10.4	0.2			G1/100
UL	(90°-100°)	4.7	0.1		U1/10	
UH	(100°-180°)	713.1	16.5		U4/1000	

**BUG Rating: B1-U5-G1**

Type IV Short





REPORT NUMBER: P228644

CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-7030-ULG

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°
0°	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4
2.5°	847.5	840.7	826.9	799.5	771.0	743.6	739.0	728.7	729.9	724.2	721.9
5°	820.1	811.0	782.4	725.3	676.2	625.9	622.5	601.9	604.2	591.7	584.8
7.5°	759.6	747.0	715.0	636.2	567.7	501.4	494.6	470.6	467.2	454.6	444.3
10°	700.2	687.6	647.6	557.4	478.6	429.5	421.5	410.0	400.9	395.2	384.9
12.5°	662.5	655.6	607.6	503.7	442.0	402.1	391.8	380.4	371.2	360.9	350.7
15°	654.5	640.8	591.7	486.6	414.6	365.5	352.9	340.4	330.1	319.8	305.0
17.5°	676.2	662.5	607.6	478.6	383.8	324.4	308.4	291.3	281.0	268.4	252.4
20°	727.6	705.9	638.5	467.2	350.7	276.4	257.0	236.4	225.0	203.3	191.9
22.5°	809.8	782.4	691.0	467.2	319.8	226.2	204.5	186.2	173.6	154.2	141.6
25°	927.5	903.5	776.7	479.7	292.4	183.9	162.2	143.9	131.4	117.6	109.7
27.5°	1037.1	999.4	868.1	498.0	270.7	154.2	132.5	117.6	108.5	101.7	97.1
30°	1119.3	1088.5	948.0	510.6	238.7	129.1	115.4	106.2	101.7	98.2	95.9
32.5°	1194.7	1159.3	1005.1	518.6	219.3	109.7	97.1	90.2	85.7	81.1	80.0
35°	1274.7	1240.4	1072.5	517.4	206.7	100.5	87.9	80.0	75.4	74.2	72.0
37.5°	1385.5	1338.7	1150.2	517.4	202.2	97.1	82.2	74.2	70.8	68.5	67.4
40°	1492.8	1440.3	1235.9	520.8	197.6	94.8	82.2	74.2	68.5	66.2	64.0
42.5°	1593.4	1535.1	1313.5	526.6	195.3	87.9	77.7	73.1	70.8	66.2	62.8
45°	1669.9	1624.2	1374.1	538.0	195.3	83.4	73.1	69.7	68.5	68.5	67.4
47.5°	1744.1	1692.7	1443.7	559.7	198.7	80.0	69.7	65.1	65.1	65.1	66.2
50°	1840.1	1779.5	1539.7	604.2	198.7	78.8	66.2	61.7	60.5	62.8	62.8
52.5°	1970.3	1926.9	1680.2	668.2	196.5	77.7	65.1	58.3	57.1	58.3	60.5
55°	2154.2	2105.1	1850.4	747.0	194.2	75.4	62.8	57.1	54.8	53.7	54.8
57.5°	2312.9	2270.7	2006.8	809.8	188.5	69.7	60.5	56.0	52.5	51.4	50.3
60°	2382.6	2347.2	2107.3	852.1	178.2	64.0	57.1	53.7	50.3	49.1	48.0
62.5°	2394.0	2349.5	2108.5	861.2	166.8	58.3	53.7	50.3	48.0	46.8	45.7
65°	2349.5	2299.2	2025.1	805.2	157.6	58.3	51.4	48.0	44.5	43.4	42.3
67.5°	2249.0	2171.3	1813.8	683.0	149.6	59.4	50.3	44.5	42.3	41.1	40.0
70°	2006.8	1920.0	1531.7	542.5	146.2	60.5	50.3	42.3	38.8	37.7	37.7
72.5°	1608.2	1508.8	1194.7	408.9	140.5	61.7	49.1	40.0	36.6	34.3	34.3
75°	1088.5	1001.7	809.8	276.4	116.5	53.7	44.5	36.6	32.0	29.7	28.6
77.5°	606.5	578.0	515.1	146.2	74.2	40.0	34.3	29.7	26.3	25.1	24.0
80°	356.4	341.5	303.8	81.1	45.7	22.8	20.6	19.4	17.1	17.1	17.1
82.5°	218.2	203.3	188.5	36.6	21.7	11.4	11.4	9.1	9.1	8.0	8.0
85°	59.4	54.8	76.5	8.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	2.0	2.0	2.0	2.0	3.0	4.0	5.2	6.5	7.8	9.0	10.0
100°	8.0	8.0	8.0	10.0	14.0	22.0	24.0	26.0	28.0	30.0	30.5
102.5°	28.0	28.0	28.0	32.0	38.0	45.0	46.2	47.5	48.8	50.0	50.2
105°	54.0	54.0	54.0	56.0	61.0	66.0	67.0	68.0	69.0	70.0	70.2
107.5°	78.0	77.8	77.0	80.0	84.0	88.0	88.8	89.5	90.2	91.0	91.5
110°	101.0	101.2	102.0	103.0	106.0	110.0	110.5	111.0	111.5	112.0	112.5



REPORT NUMBER: P228644

CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-7030-ULG

**CANDELA DISTRIBUTION (continued):**

	0°	1°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°
112.5°	124.0	124.0	124.0	126.0	129.0	132.0	132.5	133.0	133.5	134.0	134.5
115°	146.0	146.2	147.0	149.0	151.0	154.0	154.5	155.0	155.5	156.0	156.5
117.5°	169.0	169.2	170.0	172.0	174.0	177.0	177.5	178.0	178.5	179.0	179.2
120°	193.0	193.4	195.0	196.0	198.0	201.0	201.2	201.5	201.8	202.0	202.5
122.5°	219.0	219.2	220.0	221.0	223.0	226.0	226.2	226.5	226.8	227.0	227.2
125°	244.0	244.4	246.0	247.0	248.0	251.0	251.2	251.5	251.8	252.0	252.2
127.5°	267.0	267.4	269.0	270.0	272.0	274.0	274.5	275.0	275.5	276.0	276.5
130°	290.0	290.4	292.0	293.0	294.0	298.0	298.2	298.5	298.8	299.0	299.5
132.5°	313.0	313.2	314.0	317.0	318.0	321.0	321.2	321.5	321.8	322.0	322.8
135°	336.0	336.2	337.0	339.0	341.0	345.0	345.0	345.0	345.0	345.0	345.8
137.5°	359.0	359.2	360.0	363.0	364.0	367.0	367.0	367.0	367.0	367.0	367.5
140°	382.0	382.2	383.0	385.0	386.0	388.0	388.2	388.5	388.8	389.0	389.2
142.5°	404.0	404.4	406.0	408.0	407.0	410.0	410.0	410.0	410.0	410.0	410.5
145°	425.0	425.2	426.0	428.0	428.0	431.0	431.2	431.5	431.8	432.0	432.5
147.5°	444.0	444.0	444.0	447.0	448.0	452.0	452.2	452.5	452.8	453.0	453.2
150°	461.0	461.2	462.0	464.0	465.0	469.0	469.2	469.5	469.8	470.0	470.2
152.5°	479.0	479.2	480.0	483.0	482.0	485.0	485.2	485.5	485.8	486.0	486.2
155°	499.0	499.2	500.0	502.0	501.0	503.0	503.0	503.0	503.0	503.0	503.2
157.5°	513.0	513.4	515.0	517.0	516.0	519.0	519.0	519.0	519.0	519.0	519.0
160°	525.0	525.4	527.0	529.0	529.0	532.0	532.0	532.0	532.0	532.0	532.0
162.5°	535.0	535.2	536.0	539.0	538.0	541.0	541.0	541.0	541.0	541.0	541.2
165°	546.0	546.2	547.0	549.0	548.0	552.0	552.0	552.0	552.0	552.0	552.2
167.5°	555.0	555.2	556.0	559.0	558.0	561.0	560.8	560.5	560.2	560.0	560.0
170°	562.0	562.2	563.0	566.0	565.0	567.0	566.8	566.5	566.2	566.0	565.8
172.5°	565.0	565.2	566.0	569.0	567.0	569.0	568.8	568.5	568.2	568.0	568.2
175°	567.0	567.4	569.0	570.0	569.0	572.0	572.0	572.0	572.0	572.0	572.2
177.5°	572.0	572.2	573.0	575.0	574.0	578.0	577.8	577.5	577.2	577.0	577.0
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0





REPORT NUMBER: P228644

CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-7030-ULG

**CANDELA DISTRIBUTION (continued):**

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
0°	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4
2.5°	712.7	710.4	710.4	693.3	693.3	684.2	681.9	681.9	685.3	683.0	669.3
5°	573.4	566.5	562.0	541.4	535.7	525.4	520.8	519.7	523.1	517.4	499.1
7.5°	431.7	426.0	419.2	403.2	396.3	395.2	381.5	378.1	375.8	371.2	359.8
10°	376.9	368.9	363.2	351.8	343.8	338.1	326.7	321.0	316.4	309.5	306.1
12.5°	339.2	331.2	323.2	308.4	298.1	291.3	284.4	273.0	268.4	260.4	255.9
15°	292.4	283.3	274.1	258.1	244.4	237.6	223.9	217.0	212.4	203.3	198.7
17.5°	235.3	222.7	212.4	197.6	190.7	179.3	171.3	159.9	150.8	147.3	143.9
20°	177.0	165.6	156.5	143.9	137.1	127.9	123.4	115.4	110.8	108.5	106.2
22.5°	130.2	121.1	115.4	108.5	105.1	101.7	99.4	97.1	94.8	93.7	93.7
25°	102.8	99.4	97.1	94.8	93.7	92.5	90.2	89.1	87.9	86.8	86.8
27.5°	93.7	91.4	90.2	89.1	87.9	85.7	85.7	83.4	82.2	82.2	81.1
30°	94.8	94.8	94.8	92.5	91.4	89.1	87.9	84.5	82.2	80.0	78.8
32.5°	77.7	77.7	76.5	74.2	73.1	72.0	72.0	69.7	68.5	68.5	70.8
35°	70.8	69.7	68.5	66.2	65.1	62.8	61.7	60.5	59.4	58.3	58.3
37.5°	67.4	66.2	65.1	62.8	61.7	60.5	59.4	57.1	56.0	56.0	54.8
40°	64.0	64.0	64.0	61.7	60.5	58.3	57.1	56.0	54.8	53.7	53.7
42.5°	61.7	61.7	61.7	60.5	59.4	58.3	56.0	54.8	53.7	52.5	51.4
45°	62.8	61.7	61.7	60.5	59.4	57.1	56.0	53.7	52.5	51.4	50.3
47.5°	67.4	66.2	64.0	61.7	59.4	57.1	54.8	52.5	51.4	50.3	49.1
50°	64.0	68.5	69.7	66.2	60.5	57.1	54.8	52.5	50.3	49.1	48.0
52.5°	62.8	64.0	68.5	68.5	62.8	58.3	54.8	52.5	50.3	48.0	46.8
55°	57.1	60.5	61.7	62.8	61.7	57.1	53.7	50.3	49.1	46.8	44.5
57.5°	50.3	52.5	53.7	56.0	57.1	56.0	51.4	48.0	46.8	44.5	42.3
60°	46.8	46.8	46.8	48.0	53.7	58.3	53.7	46.8	43.4	42.3	40.0
62.5°	43.4	43.4	42.3	43.4	44.5	50.3	49.1	44.5	42.3	41.1	38.8
65°	42.3	41.1	40.0	40.0	40.0	40.0	40.0	40.0	38.8	38.8	37.7
67.5°	38.8	37.7	37.7	36.6	36.6	36.6	36.6	36.6	35.4	35.4	34.3
70°	36.6	35.4	34.3	34.3	34.3	33.1	33.1	33.1	32.0	32.0	32.0
72.5°	33.1	32.0	32.0	32.0	30.8	30.8	30.8	29.7	29.7	28.6	28.6
75°	28.6	28.6	27.4	27.4	27.4	26.3	26.3	26.3	26.3	25.1	25.1
77.5°	24.0	22.8	24.0	22.8	22.8	22.8	22.8	22.8	21.7	21.7	20.6
80°	16.0	16.0	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	16.0
82.5°	9.1	8.0	9.1	9.1	9.1	10.3	10.3	11.4	10.3	10.3	9.1
85°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.3	2.3	2.3	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	11.0	12.0	13.0	11.5	10.0	8.5	7.0	6.5	6.0	5.5	5.0
100°	31.0	31.5	32.0	31.5	31.0	30.5	30.0	29.2	28.5	27.8	27.0
102.5°	50.5	50.8	51.0	50.8	50.5	50.2	50.0	49.5	49.0	48.5	48.0
105°	70.5	70.8	71.0	71.0	71.0	71.0	71.0	70.5	70.0	69.5	69.0
107.5°	92.0	92.5	93.0	92.8	92.5	92.2	92.0	91.8	91.5	91.2	91.0
110°	113.0	113.5	114.0	114.0	114.0	114.0	114.0	113.8	113.5	113.2	113.0



REPORT NUMBER: P228644

CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-7030-ULG

**CANDELA DISTRIBUTION (continued):**

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
112.5°	135.0	135.5	136.0	136.0	136.0	136.0	136.0	135.8	135.5	135.2	135.0
115°	157.0	157.5	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.0
117.5°	179.5	179.8	180.0	180.2	180.5	180.8	181.0	180.8	180.5	180.2	180.0
120°	203.0	203.5	204.0	204.0	204.0	204.0	204.0	204.0	204.0	204.0	204.0
122.5°	227.5	227.8	228.0	228.0	228.0	228.0	228.0	228.2	228.5	228.8	229.0
125°	252.5	252.8	253.0	253.2	253.5	253.8	254.0	254.0	254.0	254.0	254.0
127.5°	277.0	277.5	278.0	277.8	277.5	277.2	277.0	277.2	277.5	277.8	278.0
130°	300.0	300.5	301.0	301.0	301.0	301.0	301.0	301.2	301.5	301.8	302.0
132.5°	323.5	324.2	325.0	325.0	325.0	325.0	325.0	325.2	325.5	325.8	326.0
135°	346.5	347.2	348.0	348.0	348.0	348.0	348.0	348.2	348.5	348.8	349.0
137.5°	368.0	368.5	369.0	369.0	369.0	369.0	369.0	369.2	369.5	369.8	370.0
140°	389.5	389.8	390.0	390.0	390.0	390.0	390.0	390.5	391.0	391.5	392.0
142.5°	411.0	411.5	412.0	412.0	412.0	412.0	412.0	412.2	412.5	412.8	413.0
145°	433.0	433.5	434.0	433.8	433.5	433.2	433.0	433.2	433.5	433.8	434.0
147.5°	453.5	453.8	454.0	453.5	453.0	452.5	452.0	452.2	452.5	452.8	453.0
150°	470.5	470.8	471.0	470.5	470.0	469.5	469.0	469.0	469.0	469.0	469.0
152.5°	486.5	486.8	487.0	486.8	486.5	486.2	486.0	486.0	486.0	486.0	486.0
155°	503.5	503.8	504.0	503.8	503.5	503.2	503.0	503.2	503.5	503.8	504.0
157.5°	519.0	519.0	519.0	518.5	518.0	517.5	517.0	517.2	517.5	517.8	518.0
160°	532.0	532.0	532.0	531.5	531.0	530.5	530.0	530.0	530.0	530.0	530.0
162.5°	541.5	541.8	542.0	541.5	541.0	540.5	540.0	539.5	539.0	538.5	538.0
165°	552.5	552.8	553.0	552.2	551.5	550.8	550.0	549.5	549.0	548.5	548.0
167.5°	560.0	560.0	560.0	559.5	559.0	558.5	558.0	558.2	558.5	558.8	559.0
170°	565.5	565.2	565.0	564.8	564.5	564.2	564.0	564.5	565.0	565.5	566.0
172.5°	568.5	568.8	569.0	568.5	568.0	567.5	567.0	567.2	567.5	567.8	568.0
175°	572.5	572.8	573.0	572.2	571.5	570.8	570.0	569.5	569.0	568.5	568.0
177.5°	577.0	577.0	577.0	576.2	575.5	574.8	574.0	574.0	574.0	574.0	574.0
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0



REPORT NUMBER: P228644

CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-7030-ULG

**CANDELA DISTRIBUTION (continued):**

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4
2.5°	676.2	675.0	663.6	665.9	662.5	655.6	656.8	657.9	660.2	655.6	653.3
5°	508.3	509.4	494.6	499.1	495.7	494.6	498.0	503.7	507.1	506.0	502.6
7.5°	360.9	362.1	349.5	348.4	344.9	343.8	348.4	354.1	357.5	356.4	357.5
10°	298.1	294.7	283.3	275.3	267.3	260.4	259.3	259.3	259.3	257.0	254.7
12.5°	246.7	243.3	229.6	222.7	215.9	206.7	205.6	204.5	201.0	197.6	193.0
15°	191.9	188.5	177.0	172.5	166.8	163.3	162.2	162.2	159.9	157.6	155.3
17.5°	139.3	137.1	130.2	125.6	124.5	125.6	126.8	129.1	130.2	131.4	131.4
20°	105.1	103.9	101.7	101.7	102.8	106.2	107.4	110.8	111.9	114.2	116.5
22.5°	92.5	92.5	91.4	91.4	93.7	97.1	99.4	100.5	101.7	102.8	102.8
25°	85.7	85.7	84.5	86.8	90.2	90.2	90.2	90.2	87.9	86.8	86.8
27.5°	81.1	81.1	81.1	82.2	81.1	80.0	80.0	80.0	78.8	78.8	77.7
30°	77.7	77.7	77.7	76.5	76.5	75.4	75.4	74.2	74.2	73.1	73.1
32.5°	72.0	69.7	72.0	69.7	69.7	68.5	69.7	69.7	67.4	67.4	67.4
35°	57.1	56.0	56.0	56.0	54.8	56.0	58.3	58.3	58.3	58.3	58.3
37.5°	53.7	53.7	52.5	51.4	51.4	50.3	51.4	50.3	50.3	50.3	51.4
40°	52.5	51.4	50.3	50.3	49.1	48.0	48.0	48.0	48.0	48.0	48.0
42.5°	50.3	50.3	48.0	46.8	46.8	45.7	45.7	45.7	45.7	45.7	45.7
45°	49.1	48.0	46.8	45.7	44.5	44.5	44.5	44.5	44.5	44.5	43.4
47.5°	48.0	46.8	45.7	44.5	43.4	42.3	42.3	42.3	42.3	42.3	42.3
50°	46.8	45.7	43.4	43.4	42.3	41.1	41.1	41.1	41.1	41.1	41.1
52.5°	44.5	44.5	42.3	41.1	40.0	40.0	40.0	40.0	40.0	40.0	40.0
55°	42.3	42.3	40.0	38.8	37.7	37.7	37.7	37.7	38.8	38.8	38.8
57.5°	41.1	40.0	37.7	37.7	35.4	35.4	35.4	36.6	36.6	37.7	37.7
60°	38.8	37.7	36.6	35.4	35.4	34.3	34.3	34.3	34.3	35.4	35.4
62.5°	37.7	36.6	34.3	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
65°	35.4	35.4	33.1	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
67.5°	33.1	33.1	30.8	29.7	29.7	29.7	30.8	29.7	29.7	29.7	29.7
70°	30.8	29.7	28.6	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
72.5°	27.4	27.4	26.3	25.1	25.1	25.1	25.1	25.1	25.1	25.1	26.3
75°	24.0	22.8	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
77.5°	20.6	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	19.4
80°	14.8	13.7	13.7	13.7	13.7	14.8	14.8	14.8	14.8	14.8	14.8
82.5°	9.1	8.0	8.0	8.0	9.1	10.3	10.3	10.3	10.3	11.4	11.4
85°	2.3	2.3	2.3	2.3	4.6	5.7	5.7	5.7	6.9	5.7	5.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	4.8	4.5	4.0	4.0	4.0	4.5	4.8	5.0	5.5	6.0	6.5
100°	26.8	26.5	26.0	25.0	26.0	26.5	26.8	27.0	27.8	28.5	29.2
102.5°	48.2	48.5	49.0	48.0	49.0	48.5	48.2	48.0	48.5	49.0	49.5
105°	69.5	70.0	71.0	69.0	71.0	70.0	69.5	69.0	69.5	70.0	70.5
107.5°	91.2	91.5	92.0	91.0	92.0	91.5	91.2	91.0	91.2	91.5	91.8
110°	113.2	113.5	114.0	113.0	114.0	113.5	113.2	113.0	113.2	113.5	113.8



REPORT NUMBER: P228644  
 CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-7030-ULG

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°	
112.5°	135.5	136.0	137.0	135.0	137.0	136.0	135.5	135.0	135.2	135.5	135.8	0°
115°	158.5	159.0	160.0	159.0	160.0	159.0	158.5	158.0	158.0	158.0	158.0	2.5°
117.5°	180.5	181.0	182.0	180.0	182.0	181.0	180.5	180.0	180.2	180.5	180.8	5°
120°	204.5	205.0	206.0	204.0	206.0	205.0	204.5	204.0	204.0	204.0	204.0	7.5°
122.5°	230.0	231.0	233.0	232.0	233.0	231.0	230.0	229.0	228.8	228.5	228.2	10°
125°	254.8	255.5	257.0	256.0	257.0	255.5	254.8	254.0	254.0	254.0	254.0	12.5°
127.5°	278.8	279.5	281.0	278.0	281.0	279.5	278.8	278.0	277.8	277.5	277.2	15°
130°	302.8	303.5	305.0	303.0	305.0	303.5	302.8	302.0	301.8	301.5	301.2	17.5°
132.5°	326.8	327.5	329.0	327.0	329.0	327.5	326.8	326.0	325.8	325.5	325.2	20°
135°	349.5	350.0	351.0	350.0	351.0	350.0	349.5	349.0	348.8	348.5	348.2	22.5°
137.5°	371.0	372.0	374.0	372.0	374.0	372.0	371.0	370.0	369.8	369.5	369.2	25°
140°	393.0	394.0	396.0	394.0	396.0	394.0	393.0	392.0	391.5	391.0	390.5	27.5°
142.5°	413.8	414.5	416.0	415.0	416.0	414.5	413.8	413.0	412.8	412.5	412.2	30°
145°	434.8	435.5	437.0	435.0	437.0	435.5	434.8	434.0	433.8	433.5	433.2	32.5°
147.5°	453.8	454.5	456.0	453.0	456.0	454.5	453.8	453.0	452.8	452.5	452.2	35°
150°	470.0	471.0	473.0	470.0	473.0	471.0	470.0	469.0	469.0	469.0	469.0	37.5°
152.5°	486.8	487.5	489.0	486.0	489.0	487.5	486.8	486.0	486.0	486.0	486.0	40°
155°	504.8	505.5	507.0	505.0	507.0	505.5	504.8	504.0	503.8	503.5	503.2	42.5°
157.5°	519.2	520.5	523.0	520.0	523.0	520.5	519.2	518.0	517.8	517.5	517.2	45°
160°	530.8	531.5	533.0	531.0	533.0	531.5	530.8	530.0	530.0	530.0	530.0	47.5°
162.5°	538.5	539.0	540.0	537.0	540.0	539.0	538.5	538.0	538.5	539.0	539.5	50°
165°	548.5	549.0	550.0	548.0	550.0	549.0	548.5	548.0	548.5	549.0	549.5	52.5°
167.5°	560.0	561.0	563.0	561.0	563.0	561.0	560.0	559.0	558.8	558.5	558.2	55°
170°	567.2	568.5	571.0	569.0	571.0	568.5	567.2	566.0	565.5	565.0	564.5	57.5°
172.5°	568.8	569.5	571.0	568.0	571.0	569.5	568.8	568.0	567.8	567.5	567.2	60°
175°	568.8	569.5	571.0	568.0	571.0	569.5	568.8	568.0	568.5	569.0	569.5	62.5°
177.5°	574.8	575.5	577.0	574.0	577.0	575.5	574.8	574.0	574.0	574.0	574.0	65°
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	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°
												110°

NUMBER: P228644  
 NUMBER: ISC-AF-600-LED-E1-SLR-7030-ULG

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°	115°	115°
798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	112.5°	136.0
651.1	664.8	664.8	655.6	660.2	655.6	654.5	662.5	667.0	681.9	691.0	115°	158.0
503.7	520.8	522.0	517.4	523.1	519.7	523.1	533.4	541.4	551.7	560.8	117.5°	181.0
359.8	375.8	379.2	375.8	386.1	384.9	387.2	398.6	405.5	411.2	412.3	120°	204.0
253.6	255.9	265.0	262.7	269.6	268.4	271.8	281.0	290.1	293.5	295.8	122.5°	228.0
190.7	188.5	191.9	187.3	190.7	190.7	191.9	197.6	209.0	213.6	225.0	125°	254.0
154.2	151.9	151.9	149.6	149.6	148.5	149.6	154.2	162.2	169.0	178.2	127.5°	277.0
131.4	131.4	131.4	130.2	129.1	129.1	130.2	132.5	137.1	141.6	146.2	130°	301.0
117.6	119.9	121.1	122.2	123.4	124.5	125.6	129.1	127.9	123.4	117.6	132.5°	325.0
102.8	102.8	103.9	103.9	102.8	102.8	102.8	102.8	102.8	106.2	109.7	135°	348.0
85.7	85.7	85.7	86.8	85.7	85.7	86.8	86.8	87.9	90.2	93.7	137.5°	369.0
77.7	77.7	77.7	77.7	77.7	77.7	77.7	78.8	80.0	83.4	85.7	140°	390.0
72.0	72.0	70.8	70.8	70.8	69.7	70.8	70.8	72.0	76.5	80.0	142.5°	412.0
66.2	65.1	65.1	65.1	64.0	64.0	64.0	66.2	67.4	69.7	73.1	145°	433.0
58.3	58.3	58.3	59.4	59.4	59.4	59.4	61.7	61.7	62.8	62.8	147.5°	452.0
52.5	52.5	53.7	54.8	54.8	56.0	56.0	57.1	58.3	57.1	56.0	150°	469.0
48.0	49.1	49.1	51.4	51.4	51.4	52.5	53.7	54.8	52.5	52.5	152.5°	486.0
45.7	45.7	45.7	46.8	46.8	46.8	48.0	49.1	50.3	50.3	50.3	155°	503.0
43.4	43.4	43.4	44.5	43.4	43.4	43.4	44.5	46.8	46.8	48.0	157.5°	517.0
42.3	42.3	42.3	41.1	41.1	41.1	41.1	42.3	43.4	45.7	46.8	160°	530.0
41.1	40.0	40.0	40.0	40.0	40.0	40.0	41.1	42.3	43.4	45.7	162.5°	540.0
38.8	38.8	38.8	38.8	38.8	38.8	38.8	40.0	41.1	42.3	43.4	165°	550.0
38.8	38.8	37.7	37.7	38.8	38.8	38.8	40.0	41.1	42.3	42.3	167.5°	558.0
37.7	36.6	36.6	37.7	37.7	37.7	37.7	38.8	40.0	41.1	41.1	170°	564.0
35.4	35.4	35.4	35.4	36.6	36.6	37.7	38.8	38.8	40.0	40.0	172.5°	567.0
33.1	34.3	34.3	34.3	35.4	35.4	36.6	37.7	38.8	40.0	38.8	175°	570.0
32.0	33.1	33.1	33.1	34.3	34.3	34.3	36.6	37.7	37.7	38.8	177.5°	574.0
30.8	30.8	30.8	32.0	32.0	33.1	33.1	35.4	35.4	36.6	37.7	180°	576.0
28.6	28.6	28.6	29.7	29.7	30.8	32.0	33.1	33.1	34.3	35.4		
26.3	26.3	26.3	27.4	27.4	28.6	29.7	32.0	30.8	32.0	32.0		
22.8	22.8	24.0	24.0	25.1	26.3	27.4	27.4	27.4	27.4	27.4		
19.4	19.4	20.6	20.6	21.7	22.8	22.8	22.8	24.0	22.8	22.8		
16.0	16.0	17.1	17.1	17.1	17.1	18.3	17.1	18.3	17.1	18.3		
11.4	11.4	12.6	11.4	12.6	11.4	11.4	10.3	12.6	11.4	11.4		
4.6	5.7	5.7	5.7	5.7	4.6	4.6	3.4	4.6	4.6	3.4		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
7.0	8.5	10.0	11.5	13.0	12.0	11.0	9.0	4.0	3.0	2.0		
30.0	30.5	31.0	31.5	32.0	31.5	31.0	30.0	22.0	14.0	10.0		
50.0	50.2	50.5	50.8	51.0	50.8	50.5	50.0	45.0	38.0	32.0		
71.0	71.0	71.0	71.0	71.0	70.8	70.5	70.0	66.0	61.0	56.0		
92.0	92.2	92.5	92.8	93.0	92.5	92.0	91.0	88.0	84.0	80.0		
114.0	114.0	114.0	114.0	114.0	113.5	113.0	112.0	110.0	106.0	103.0		

'228644  
 ISC-AF-600-LED-E1-SLR-7030-ULG

REPORT NUMBER: P228644  
 CATALOG NUMBER: ISC-AF-60

**TION (continued):**

**CANDELA DISTRIBUTION (con**

117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°		175°	180°
136.0	136.0	136.0	136.0	135.5	135.0	134.0	132.0	129.0	126.0	0°	798.4	798.4
158.0	158.0	158.0	158.0	157.5	157.0	156.0	154.0	151.0	149.0	2.5°	694.5	693.3
180.8	180.5	180.2	180.0	179.8	179.5	179.0	177.0	174.0	172.0	5°	562.0	559.7
204.0	204.0	204.0	204.0	203.5	203.0	202.0	201.0	198.0	196.0	7.5°	402.1	397.5
228.0	228.0	228.0	228.0	227.8	227.5	227.0	226.0	223.0	221.0	10°	297.0	300.4
253.8	253.5	253.2	253.0	252.8	252.5	252.0	251.0	248.0	247.0	12.5°	237.6	251.3
277.2	277.5	277.8	278.0	277.5	277.0	276.0	274.0	272.0	270.0	15°	190.7	198.7
301.0	301.0	301.0	301.0	300.5	300.0	299.0	298.0	294.0	293.0	17.5°	147.3	150.8
325.0	325.0	325.0	325.0	324.2	323.5	322.0	321.0	318.0	317.0	20°	117.6	117.6
348.0	348.0	348.0	348.0	347.2	346.5	345.0	345.0	341.0	339.0	22.5°	102.8	101.7
369.0	369.0	369.0	369.0	368.5	368.0	367.0	367.0	364.0	363.0	25°	97.1	95.9
390.0	390.0	390.0	390.0	389.8	389.5	389.0	388.0	386.0	385.0	27.5°	87.9	89.1
412.0	412.0	412.0	412.0	411.5	411.0	410.0	410.0	407.0	408.0	30°	82.2	83.4
433.2	433.5	433.8	434.0	433.5	433.0	432.0	431.0	428.0	428.0	32.5°	75.4	76.5
452.5	453.0	453.5	454.0	453.8	453.5	453.0	452.0	448.0	447.0	35°	61.7	61.7
469.5	470.0	470.5	471.0	470.8	470.5	470.0	469.0	465.0	464.0	37.5°	57.1	57.1
486.2	486.5	486.8	487.0	486.8	486.5	486.0	485.0	482.0	483.0	40°	53.7	54.8
503.2	503.5	503.8	504.0	503.8	503.5	503.0	503.0	501.0	502.0	42.5°	51.4	51.4
517.5	518.0	518.5	519.0	519.0	519.0	519.0	519.0	516.0	517.0	45°	49.1	50.3
530.5	531.0	531.5	532.0	532.0	532.0	532.0	532.0	529.0	529.0	47.5°	48.0	48.0
540.5	541.0	541.5	542.0	541.8	541.5	541.0	541.0	538.0	539.0	50°	45.7	46.8
550.8	551.5	552.2	553.0	552.8	552.5	552.0	552.0	548.0	549.0	52.5°	44.5	45.7
558.5	559.0	559.5	560.0	560.0	560.0	560.0	561.0	558.0	559.0	55°	43.4	43.4
564.2	564.5	564.8	565.0	565.2	565.5	566.0	567.0	565.0	566.0	57.5°	41.1	42.3
567.5	568.0	568.5	569.0	568.8	568.5	568.0	569.0	567.0	569.0	60°	41.1	41.1
570.8	571.5	572.2	573.0	572.8	572.5	572.0	572.0	569.0	570.0	62.5°	40.0	40.0
574.8	575.5	576.2	577.0	577.0	577.0	577.0	578.0	574.0	575.0	65°	38.8	38.8
576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	67.5°	36.6	36.6
										70°	34.3	34.3
										72.5°	32.0	30.8
										75°	27.4	27.4
										77.5°	22.8	22.8
										80°	17.1	16.0
										82.5°	10.3	9.1
										85°	3.4	3.4
										87.5°	0.0	0.0
										90°	0.0	0.0
										92.5°	0.0	0.0
										95°	1.0	1.0
										97.5°	2.0	2.0
										100°	8.0	8.0
										102.5°	28.0	28.0
										105°	54.0	54.0
										107.5°	77.0	78.0
										110°	102.0	101.0



REPORT NUMBER: P228644

CATALOG NUMBER: ISC-AF-600-LED-E1-S

0-LED-E1-SLR-7030-ULG

**tinued):**

**CANDELA DISTRIBUTION (continued):**

185°	195°	205°	215°	225°	230°	235°	240°	245°		175°	180°	185°
798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	112.5°	124.0	124.0	124.0
710.4	723.0	731.0	761.8	775.5	792.7	800.7	812.1	823.5	115°	147.0	146.0	147.0
580.2	596.2	609.9	654.5	680.7	704.7	724.2	742.4	768.7	117.5°	170.0	169.0	170.0
411.2	424.9	443.2	491.1	536.8	568.8	597.4	628.2	662.5	120°	195.0	193.0	195.0
314.1	334.7	358.6	395.2	431.7	454.6	479.7	514.0	555.1	122.5°	220.0	219.0	220.0
262.7	287.8	316.4	357.5	396.3	414.6	432.9	450.0	471.7	125°	246.0	244.0	246.0
207.9	231.9	266.1	314.1	359.8	380.4	402.1	422.6	442.0	127.5°	269.0	267.0	269.0
155.3	172.5	203.3	260.4	310.7	336.9	362.1	390.6	416.9	130°	292.0	290.0	292.0
118.8	126.8	148.5	193.0	254.7	287.8	319.8	356.4	394.1	132.5°	314.0	313.0	314.0
102.8	106.2	116.5	142.8	198.7	237.6	278.7	324.4	371.2	135°	337.0	336.0	337.0
94.8	97.1	102.8	115.4	155.3	196.5	238.7	293.5	350.7	137.5°	360.0	359.0	360.0
90.2	92.5	97.1	103.9	129.1	159.9	206.7	267.3	335.8	140°	383.0	382.0	383.0
84.5	86.8	94.8	102.8	117.6	137.1	177.0	236.4	313.0	142.5°	406.0	404.0	406.0
77.7	78.8	81.1	90.2	100.5	116.5	150.8	209.0	289.0	145°	426.0	425.0	426.0
62.8	66.2	70.8	80.0	90.2	102.8	134.8	190.7	274.1	147.5°	444.0	444.0	444.0
58.3	61.7	66.2	74.2	83.4	94.8	127.9	183.9	260.4	150°	462.0	461.0	462.0
54.8	58.3	62.8	72.0	77.7	91.4	124.5	173.6	246.7	152.5°	480.0	479.0	480.0
52.5	56.0	61.7	68.5	76.5	89.1	115.4	164.5	238.7	155°	500.0	499.0	500.0
50.3	53.7	60.5	66.2	77.7	84.5	109.7	157.6	231.9	157.5°	515.0	513.0	515.0
49.1	52.5	59.4	67.4	75.4	80.0	103.9	151.9	226.2	160°	527.0	525.0	527.0
48.0	51.4	58.3	74.2	72.0	76.5	99.4	147.3	222.7	162.5°	536.0	535.0	536.0
46.8	50.3	58.3	75.4	69.7	72.0	95.9	142.8	220.4	165°	547.0	546.0	547.0
44.5	49.1	58.3	69.7	65.1	69.7	89.1	135.9	214.7	167.5°	556.0	555.0	556.0
43.4	46.8	57.1	64.0	61.7	66.2	82.2	124.5	206.7	170°	563.0	562.0	563.0
42.3	45.7	57.1	57.1	58.3	62.8	74.2	110.8	193.0	172.5°	566.0	565.0	566.0
41.1	45.7	58.3	51.4	54.8	59.4	68.5	99.4	175.9	175°	569.0	567.0	569.0
40.0	43.4	50.3	49.1	52.5	56.0	66.2	91.4	161.0	177.5°	573.0	572.0	573.0
37.7	41.1	44.5	45.7	50.3	53.7	65.1	90.2	147.3	180°	576.0	576.0	576.0
34.3	37.7	40.0	43.4	46.8	51.4	65.1	89.1	137.1				
32.0	34.3	36.6	38.8	42.3	48.0	64.0	90.2	132.5				
27.4	29.7	32.0	34.3	37.7	44.5	60.5	84.5	118.8				
21.7	25.1	27.4	28.6	32.0	38.8	52.5	72.0	95.9				
16.0	19.4	20.6	22.8	25.1	29.7	41.1	52.5	70.8				
9.1	12.6	13.7	14.8	19.4	21.7	27.4	34.3	48.0				
3.4	5.7	6.9	8.0	11.4	12.6	17.1	21.7	25.1				
0.0	0.0	0.0	0.0	2.3	3.4	5.7	6.9	5.7				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0				
2.0	2.0	3.0	4.0	9.0	11.0	13.0	10.0	7.0				
8.0	10.0	14.0	22.0	30.0	31.0	32.0	31.0	30.0				
28.0	32.0	38.0	45.0	50.0	50.5	51.0	50.5	50.0				
54.0	56.0	61.0	66.0	70.0	70.5	71.0	71.0	71.0				
77.0	80.0	84.0	88.0	91.0	92.0	93.0	92.5	92.0				
102.0	103.0	106.0	110.0	112.0	113.0	114.0	114.0	114.0				



REPORT NUMBER: P228644

CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-7030-L

SLR-7030-ULG

**CANDELA DISTRIBUTION (continued):**

195°	205°	215°	225°	230°	235°	240°	245°		250°	255°	260°	265°
126.0	129.0	132.0	134.0	135.0	136.0	136.0	136.0	0°	798.4	798.4	798.4	798.4
149.0	151.0	154.0	156.0	157.0	158.0	158.0	158.0	2.5°	837.2	848.7	863.5	877.2
172.0	174.0	177.0	179.0	179.5	180.0	180.5	181.0	5°	789.3	811.0	842.9	869.2
196.0	198.0	201.0	202.0	203.0	204.0	204.0	204.0	7.5°	692.2	721.9	761.8	798.4
221.0	223.0	226.0	227.0	227.5	228.0	228.0	228.0	10°	590.5	631.6	673.9	720.7
247.0	248.0	251.0	252.0	252.5	253.0	253.5	254.0	12.5°	507.1	554.0	601.9	660.2
270.0	272.0	274.0	276.0	277.0	278.0	277.5	277.0	15°	471.7	512.8	568.8	632.8
293.0	294.0	298.0	299.0	300.0	301.0	301.0	301.0	17.5°	456.9	509.4	573.4	640.8
317.0	318.0	321.0	322.0	323.5	325.0	325.0	325.0	20°	440.9	512.8	598.5	680.7
339.0	341.0	345.0	345.0	346.5	348.0	348.0	348.0	22.5°	431.7	524.3	630.5	745.9
363.0	364.0	367.0	367.0	368.0	369.0	369.0	369.0	25°	429.5	550.5	685.3	838.4
385.0	386.0	388.0	389.0	389.5	390.0	390.0	390.0	27.5°	431.7	580.2	753.8	937.7
408.0	407.0	410.0	410.0	411.0	412.0	412.0	412.0	30°	421.5	611.1	822.4	1024.5
428.0	428.0	431.0	432.0	433.0	434.0	433.5	433.0	32.5°	404.3	633.9	882.9	1094.2
447.0	448.0	452.0	453.0	453.5	454.0	453.0	452.0	35°	384.9	644.2	926.3	1159.3
464.0	465.0	469.0	470.0	470.5	471.0	470.0	469.0	37.5°	364.4	645.3	967.4	1227.9
483.0	482.0	485.0	486.0	486.5	487.0	486.5	486.0	40°	352.9	640.8	1009.7	1312.4
502.0	501.0	503.0	503.0	503.5	504.0	503.5	503.0	42.5°	348.4	632.8	1040.5	1376.3
517.0	516.0	519.0	519.0	519.0	519.0	518.0	517.0	45°	348.4	624.8	1069.1	1424.3
529.0	529.0	532.0	532.0	532.0	532.0	531.0	530.0	47.5°	349.5	628.2	1103.4	1502.0
539.0	538.0	541.0	541.0	541.5	542.0	541.0	540.0	50°	355.2	667.0	1161.6	1587.6
549.0	548.0	552.0	552.0	552.5	553.0	551.5	550.0	52.5°	364.4	728.7	1262.1	1689.3
559.0	558.0	561.0	560.0	560.0	560.0	559.0	558.0	55°	373.5	791.5	1393.5	1859.5
566.0	565.0	567.0	566.0	565.5	565.0	564.5	564.0	57.5°	381.5	838.4	1521.4	2028.5
569.0	567.0	569.0	568.0	568.5	569.0	568.0	567.0	60°	389.5	874.9	1595.6	2103.9
570.0	569.0	572.0	572.0	572.5	573.0	571.5	570.0	62.5°	384.9	861.2	1616.2	2066.2
575.0	574.0	578.0	577.0	577.0	577.0	575.5	574.0	65°	367.8	789.3	1551.1	1936.0
576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	67.5°	321.0	663.6	1351.2	1730.4
								70°	266.1	520.8	1102.2	1473.4
								72.5°	223.9	389.5	847.5	1141.1
								75°	186.2	275.3	596.2	785.8
								77.5°	138.2	187.3	431.7	549.4
								80°	92.5	115.4	275.3	383.8
								82.5°	56.0	67.4	158.8	268.4
								85°	30.8	42.3	97.1	175.9
								87.5°	8.0	9.1	21.7	8.0
								90°	0.0	0.0	0.0	0.0
								92.5°	0.0	0.0	0.0	0.0
								95°	1.0	1.0	1.0	1.0
								97.5°	6.0	5.0	4.5	4.0
								100°	28.5	27.0	26.5	26.0
								102.5°	49.0	48.0	48.5	49.0
								105°	70.0	69.0	70.0	71.0
								107.5°	91.5	91.0	91.5	92.0
								110°	113.5	113.0	113.5	114.0



REPORT NUMBER: P228644

CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-7030-ULG

JLG

**CANDELA DISTRIBUTION (continued):**

270°	275°	280°	285°	290°	295°	300°		250°	255°	260°	265°	270°
798.4	798.4	798.4	798.4	798.4	798.4	798.4	112.5°	135.5	135.0	136.0	137.0	135.0
887.5	896.6	908.0	908.0	921.8	926.3	935.5	115°	158.0	158.0	159.0	160.0	159.0
901.2	932.0	960.6	976.6	1004.0	1022.3	1040.5	117.5°	180.5	180.0	181.0	182.0	180.0
845.2	895.5	942.3	985.7	1031.4	1070.2	1098.8	120°	204.0	204.0	205.0	206.0	204.0
771.0	824.7	881.8	940.0	994.9	1049.7	1096.5	122.5°	228.5	229.0	231.0	233.0	232.0
718.4	775.5	842.9	893.2	950.3	1005.1	1050.8	125°	254.0	254.0	255.5	257.0	256.0
694.5	752.7	815.5	866.9	920.6	965.2	997.1	127.5°	277.5	278.0	279.5	281.0	278.0
707.0	777.8	833.8	877.2	917.2	937.7	942.3	130°	301.5	302.0	303.5	305.0	303.0
761.8	836.1	877.2	905.8	912.6	911.5	894.3	132.5°	325.5	326.0	327.5	329.0	327.0
847.5	934.3	962.9	957.2	928.6	892.1	863.5	135°	348.5	349.0	350.0	351.0	350.0
962.9	1049.7	1065.7	1033.7	969.7	898.9	850.9	137.5°	369.5	370.0	372.0	374.0	372.0
1083.9	1173.0	1167.3	1119.3	1028.0	928.6	852.1	140°	391.0	392.0	394.0	396.0	394.0
1169.6	1243.8	1221.0	1149.0	1047.4	948.0	866.9	142.5°	412.5	413.0	414.5	416.0	415.0
1258.7	1314.7	1273.5	1195.9	1090.8	989.1	905.8	145°	433.5	434.0	435.5	437.0	435.0
1354.6	1384.3	1318.1	1239.3	1143.3	1040.5	950.3	147.5°	452.5	453.0	454.5	456.0	453.0
1447.2	1459.7	1363.8	1279.3	1185.6	1093.1	1010.8	150°	469.0	469.0	471.0	473.0	470.0
1546.5	1529.4	1411.8	1312.4	1219.9	1149.0	1081.7	152.5°	486.0	486.0	487.5	489.0	486.0
1632.2	1594.5	1456.3	1345.5	1262.1	1202.7	1155.9	155°	503.5	504.0	505.5	507.0	505.0
1696.2	1647.0	1498.6	1377.5	1303.2	1266.7	1243.8	157.5°	517.5	518.0	520.5	523.0	520.0
1751.0	1697.3	1531.7	1424.3	1360.4	1346.6	1354.6	160°	530.0	530.0	531.5	533.0	531.0
1819.5	1751.0	1576.2	1476.9	1438.0	1451.7	1497.4	162.5°	539.0	538.0	539.0	540.0	537.0
1925.7	1836.6	1650.5	1552.2	1534.0	1583.1	1669.9	165°	549.0	548.0	549.0	550.0	548.0
2097.1	1992.0	1781.8	1683.6	1661.9	1737.3	1861.8	167.5°	558.5	559.0	561.0	563.0	561.0
2245.6	2165.6	1955.4	1836.6	1827.5	1908.6	2044.5	170°	565.0	566.0	568.5	571.0	569.0
2312.9	2304.9	2134.8	2025.1	2011.4	2086.8	2215.9	172.5°	567.5	568.0	569.5	571.0	568.0
2307.2	2373.5	2281.0	2203.3	2156.5	2219.3	2344.9	175°	569.0	568.0	569.5	571.0	568.0
2223.9	2332.4	2340.4	2322.1	2237.6	2242.1	2331.2	177.5°	574.0	574.0	575.5	577.0	574.0
2060.5	2189.6	2324.4	2318.7	2211.3	2116.5	2134.8	180°	576.0	576.0	576.0	576.0	576.0
1828.7	1939.4	2154.2	2197.6	2044.5	1867.5	1784.1						
1465.4	1594.5	1913.2	1973.7	1764.7	1515.7	1386.6						
1010.8	1181.0	1669.9	1675.6	1432.3	1192.5	1053.1						
694.5	840.7	1350.1	1364.9	1136.5	904.6	784.7						
467.2	563.1	990.3	927.5	750.4	627.1	596.2						
294.7	350.7	622.5	581.4	494.6	452.3	463.7						
137.1	191.9	340.4	332.4	311.8	273.0	237.6						
3.4	10.3	66.2	43.4	43.4	25.1	9.1						
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						
1.0	1.0	1.0	1.0	1.0	1.0	1.0						
4.0	4.0	4.5	5.0	6.0	7.0	10.0						
25.0	26.0	26.5	27.0	28.5	30.0	31.0						
48.0	49.0	48.5	48.0	49.0	50.0	50.5						
69.0	71.0	70.0	69.0	70.0	71.0	71.0						
91.0	92.0	91.5	91.0	91.5	92.0	92.5						
113.0	114.0	113.5	113.0	113.5	114.0	114.0						



REPORT NUMBER: P228644

CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-7030-ULG

**CANDELA DISTRIBUTION (continued):**

275°	280°	285°	290°	295°	300°		305°	310°	315°	325°	335°	340°
137.0	136.0	135.0	135.5	136.0	136.0	0°	798.4	798.4	798.4	798.4	798.4	798.4
160.0	159.0	158.0	158.0	158.0	158.0	2.5°	927.5	930.9	929.7	921.8	901.2	893.2
182.0	181.0	180.0	180.5	181.0	180.5	5°	1039.4	1045.1	1038.3	1018.8	966.3	941.2
206.0	205.0	204.0	204.0	204.0	204.0	7.5°	1118.2	1122.8	1111.4	1066.8	973.1	930.9
233.0	231.0	229.0	228.5	228.0	228.0	10°	1133.1	1143.3	1130.8	1066.8	958.3	905.8
257.0	255.5	254.0	254.0	254.0	253.5	12.5°	1090.8	1112.5	1103.4	1056.5	951.4	895.5
281.0	279.5	278.0	277.5	277.0	277.5	15°	1025.7	1028.0	1033.7	1032.5	938.9	884.1
305.0	303.5	302.0	301.5	301.0	301.0	17.5°	953.7	951.4	958.3	980.0	935.5	892.1
329.0	327.5	326.0	325.5	325.0	325.0	20°	888.6	885.2	892.1	913.8	921.8	911.5
351.0	350.0	349.0	348.5	348.0	348.0	22.5°	847.5	836.1	834.9	866.9	928.6	956.0
374.0	372.0	370.0	369.5	369.0	369.0	25°	824.7	812.1	817.8	854.4	957.2	1008.6
396.0	394.0	392.0	391.0	390.0	390.0	27.5°	817.8	804.1	812.1	853.2	986.9	1072.5
416.0	414.5	413.0	412.5	412.0	412.0	30°	822.4	808.7	812.1	861.2	1001.7	1087.4
437.0	435.5	434.0	433.5	433.0	433.5	32.5°	848.7	824.7	822.4	885.2	1029.1	1120.5
456.0	454.5	453.0	452.5	452.0	453.0	35°	884.1	849.8	845.2	924.0	1064.5	1162.8
473.0	471.0	469.0	469.0	469.0	470.0	37.5°	943.5	901.2	894.3	989.1	1112.5	1198.2
489.0	487.5	486.0	486.0	486.0	486.5	40°	1023.4	981.1	981.1	1072.5	1177.6	1247.3
507.0	505.5	504.0	503.5	503.0	503.5	42.5°	1113.6	1086.2	1090.8	1173.0	1251.8	1309.0
523.0	520.5	518.0	517.5	517.0	518.0	45°	1233.6	1218.7	1241.6	1299.8	1327.2	1366.1
533.0	531.5	530.0	530.0	530.0	531.0	47.5°	1374.1	1386.6	1418.6	1436.9	1403.8	1424.3
540.0	539.0	538.0	539.0	540.0	541.0	50°	1550.0	1583.1	1613.9	1609.4	1498.6	1491.7
550.0	549.0	548.0	549.0	550.0	551.5	52.5°	1752.1	1795.5	1817.2	1792.1	1604.8	1564.8
563.0	561.0	559.0	558.5	558.0	559.0	55°	1957.7	2010.3	2003.4	1974.9	1720.1	1666.5
571.0	568.5	566.0	565.0	564.0	564.5	57.5°	2143.9	2185.0	2203.3	2141.6	1860.6	1789.8
571.0	569.5	568.0	567.5	567.0	568.0	60°	2291.2	2335.8	2335.8	2275.3	2013.7	1931.4
571.0	569.5	568.0	569.0	570.0	571.5	62.5°	2398.6	2434.0	2421.5	2363.2	2145.0	2082.2
577.0	575.5	574.0	574.0	574.0	575.5	65°	2390.6	2394.0	2380.3	2358.6	2223.9	2217.0
576.0	576.0	576.0	576.0	576.0	576.0	67.5°	2165.6	2166.7	2194.2	2185.0	2164.5	2249.0
						70°	1775.0	1793.2	1840.1	1826.4	1931.4	2105.1
						72.5°	1351.2	1362.6	1418.6	1406.0	1548.8	1739.6
						75°	983.4	982.3	1006.3	988.0	1168.5	1380.9
						77.5°	757.3	736.7	732.1	734.4	828.1	1004.0
						80°	611.1	611.1	604.2	579.1	507.1	587.1
						82.5°	487.7	468.3	434.0	384.9	325.5	347.2
						85°	243.3	236.4	206.7	171.3	142.8	189.6
						87.5°	1.1	0.0	0.0	0.0	0.0	0.0
						90°	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
						95°	1.0	1.0	1.0	1.0	1.0	1.0
						97.5°	13.0	11.0	9.0	4.0	3.0	2.5
						100°	32.0	31.0	30.0	22.0	14.0	12.0
						102.5°	51.0	50.5	50.0	45.0	38.0	35.0
						105°	71.0	70.5	70.0	66.0	61.0	58.5
						107.5°	93.0	92.0	91.0	88.0	84.0	82.0
						110°	114.0	113.0	112.0	110.0	106.0	104.5



REPORT NUMBER: P228644

CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-7030-ULG

**CANDELA DISTRIBUTION (continued):**

342.5°	345°	347.5°	350°	352.5°		305°	310°	315°	325°	335°	340°	342.5°
798.4	798.4	798.4	798.4	798.4	112.5°	136.0	135.0	134.0	132.0	129.0	127.5	126.8
889.8	880.6	870.4	870.4	861.2	115°	158.0	157.0	156.0	154.0	151.0	150.0	149.5
926.3	908.0	893.2	879.5	865.8	117.5°	180.0	179.5	179.0	177.0	174.0	173.0	172.5
908.0	886.3	868.1	844.1	822.4	120°	204.0	203.0	202.0	201.0	198.0	197.0	196.5
880.6	856.6	830.4	805.2	774.4	122.5°	228.0	227.5	227.0	226.0	223.0	222.0	221.5
865.8	837.2	805.2	779.0	743.6	125°	253.0	252.5	252.0	251.0	248.0	247.5	247.2
854.4	824.7	796.1	771.0	740.1	127.5°	278.0	277.0	276.0	274.0	272.0	271.0	270.5
872.6	844.1	823.5	795.0	771.0	130°	301.0	300.0	299.0	298.0	294.0	293.5	293.2
903.5	886.3	870.4	852.1	832.7	132.5°	325.0	323.5	322.0	321.0	318.0	317.5	317.2
961.7	959.4	958.3	944.6	930.9	135°	348.0	346.5	345.0	345.0	341.0	340.0	339.5
1034.8	1044.0	1056.5	1056.5	1056.5	137.5°	369.0	368.0	367.0	367.0	364.0	363.5	363.2
1110.2	1133.1	1157.0	1167.3	1174.2	140°	390.0	389.5	389.0	388.0	386.0	385.5	385.2
1131.9	1165.0	1202.7	1227.9	1245.0	142.5°	412.0	411.0	410.0	410.0	407.0	407.5	407.8
1167.3	1205.0	1247.3	1275.8	1306.7	145°	434.0	433.0	432.0	431.0	428.0	428.0	428.0
1209.6	1242.7	1286.1	1324.9	1369.5	147.5°	454.0	453.5	453.0	452.0	448.0	447.5	447.2
1245.0	1288.4	1335.2	1385.5	1442.6	150°	471.0	470.5	470.0	469.0	465.0	464.5	464.2
1298.7	1344.4	1395.8	1463.2	1532.8	152.5°	487.0	486.5	486.0	485.0	482.0	482.5	482.8
1358.1	1407.2	1460.9	1528.3	1609.4	155°	504.0	503.5	503.0	503.0	501.0	501.5	501.8
1409.5	1452.9	1511.1	1580.8	1673.3	157.5°	519.0	519.0	519.0	519.0	516.0	516.5	516.8
1458.6	1498.6	1567.1	1637.9	1729.3	160°	532.0	532.0	532.0	532.0	529.0	529.0	529.0
1523.7	1554.5	1623.1	1704.2	1801.2	162.5°	542.0	541.5	541.0	541.0	538.0	538.5	538.8
1591.1	1633.3	1708.7	1801.2	1909.7	165°	553.0	552.5	552.0	552.0	548.0	548.5	548.8
1682.5	1732.7	1825.2	1930.3	2067.4	167.5°	560.0	560.0	560.0	561.0	558.0	558.5	558.8
1808.1	1860.6	1958.9	2076.5	2217.0	170°	565.0	565.5	566.0	567.0	565.0	565.5	565.8
1962.3	2013.7	2098.2	2214.7	2346.1	172.5°	569.0	568.5	568.0	569.0	567.0	568.0	568.5
2106.2	2177.0	2253.5	2340.4	2444.3	175°	573.0	572.5	572.0	572.0	569.0	569.5	569.8
2262.7	2317.5	2381.5	2414.6	2472.8	177.5°	577.0	577.0	577.0	578.0	574.0	574.5	574.8
2308.4	2354.1	2410.0	2410.0	2403.2	180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0
2173.6	2243.3	2292.4	2292.4	2234.1								
1890.3	2006.8	2054.8	2084.5	2010.3								
1536.3	1681.3	1760.1	1785.2	1650.5								
1127.3	1219.9	1230.1	1233.6	1052.0								
649.9	723.0	749.3	787.0	630.5								
376.9	404.3	448.9	464.9	383.8								
211.3	213.6	213.6	197.6	161.0								
0.0	0.0	0.0	0.0	0.0								
0.0	0.0	0.0	0.0	0.0								
0.0	0.0	0.0	0.0	0.0								
1.0	1.0	1.0	1.0	1.0								
2.2	2.0	2.0	2.0	2.0								
11.0	10.0	9.5	9.0	8.5								
33.5	32.0	31.0	30.0	29.0								
57.2	56.0	55.5	55.0	54.5								
81.0	80.0	79.2	78.5	77.8								
103.8	103.0	102.8	102.5	102.2								

REPORT NUMBER: P228644  
 CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-7030-ULG

**CANDELA DISTRIBUTION (continued):**

345°	347.5°	350°	352.5°		355°	359°	360°
126.0	125.5	125.0	124.5	0°	798.4	798.4	798.4
149.0	148.5	148.0	147.5	2.5°	858.9	845.2	847.5
172.0	171.5	171.0	170.5	5°	846.4	826.9	820.1
196.0	195.8	195.5	195.2	7.5°	803.0	769.8	759.6
221.0	220.8	220.5	220.2	10°	750.4	708.2	700.2
247.0	246.8	246.5	246.2	12.5°	720.7	672.8	662.5
270.0	269.8	269.5	269.2	15°	711.6	665.9	654.5
293.0	292.8	292.5	292.2	17.5°	739.0	689.9	676.2
317.0	316.2	315.5	314.8	20°	801.8	743.6	727.6
339.0	338.5	338.0	337.5	22.5°	895.5	829.2	809.8
363.0	362.2	361.5	360.8	25°	1022.3	946.9	927.5
385.0	384.5	384.0	383.5	27.5°	1152.5	1062.2	1037.1
408.0	407.5	407.0	406.5	30°	1227.9	1144.5	1119.3
428.0	427.5	427.0	426.5	32.5°	1304.4	1224.4	1194.7
447.0	446.2	445.5	444.8	35°	1385.5	1304.4	1274.7
464.0	463.5	463.0	462.5	37.5°	1480.3	1411.8	1385.5
483.0	482.2	481.5	480.8	40°	1593.4	1530.5	1492.8
502.0	501.5	501.0	500.5	42.5°	1687.0	1628.8	1593.4
517.0	516.5	516.0	515.5	45°	1755.6	1706.4	1669.9
529.0	528.5	528.0	527.5	47.5°	1818.4	1780.7	1744.1
539.0	538.2	537.5	536.8	50°	1897.2	1865.2	1840.1
549.0	548.5	548.0	547.5	52.5°	2003.4	1992.0	1970.3
559.0	558.2	557.5	556.8	55°	2159.9	2185.0	2154.2
566.0	565.2	564.5	563.8	57.5°	2308.4	2326.6	2312.9
569.0	568.2	567.5	566.8	60°	2424.9	2399.7	2382.6
570.0	569.8	569.5	569.2	62.5°	2484.3	2422.6	2394.0
575.0	574.5	574.0	573.5	65°	2487.7	2392.9	2349.5
576.0	576.0	576.0	576.0	67.5°	2410.0	2299.2	2249.0
				70°	2201.0	2073.1	2006.8
				72.5°	1849.2	1652.8	1608.2
				75°	1355.8	1114.8	1088.5
				77.5°	821.2	640.8	606.5
				80°	462.6	367.8	356.4
				82.5°	262.7	206.7	218.2
				85°	107.4	53.7	59.4
				87.5°	0.0	0.0	0.0
				90°	0.0	0.0	0.0
				92.5°	0.0	0.0	0.0
				95°	1.0	1.0	1.0
				97.5°	2.0	2.0	2.0
				100°	8.0	8.0	8.0
				102.5°	28.0	28.0	28.0
				105°	54.0	54.0	54.0
				107.5°	77.0	77.8	78.0
				110°	102.0	101.2	101.0

REPORT NUMBER: P228644

CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-7030-ULG

**CANDELA DISTRIBUTION (continued):**

	355°	359°	360°
112.5°	124.0	124.0	124.0
115°	147.0	146.2	146.0
117.5°	170.0	169.2	169.0
120°	195.0	193.4	193.0
122.5°	220.0	219.2	219.0
125°	246.0	244.4	244.0
127.5°	269.0	267.4	267.0
130°	292.0	290.4	290.0
132.5°	314.0	313.2	313.0
135°	337.0	336.2	336.0
137.5°	360.0	359.2	359.0
140°	383.0	382.2	382.0
142.5°	406.0	404.4	404.0
145°	426.0	425.2	425.0
147.5°	444.0	444.0	444.0
150°	462.0	461.2	461.0
152.5°	480.0	479.2	479.0
155°	500.0	499.2	499.0
157.5°	515.0	513.4	513.0
160°	527.0	525.4	525.0
162.5°	536.0	535.2	535.0
165°	547.0	546.2	546.0
167.5°	556.0	555.2	555.0
170°	563.0	562.2	562.0
172.5°	566.0	565.2	565.0
175°	569.0	567.4	567.0
177.5°	573.0	572.2	572.0
180°	576.0	576.0	576.0

(END OF REPORT)