

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: P271456

Luminaire Tested: **ISC-AF-600-LED-E1-SLR-7027-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271456
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-7027-ULG
Description: IMPACT ELITE LED CYLINDER 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: 4231.4 lumens
Efficiency: N/A
Efficacy: 84.0 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

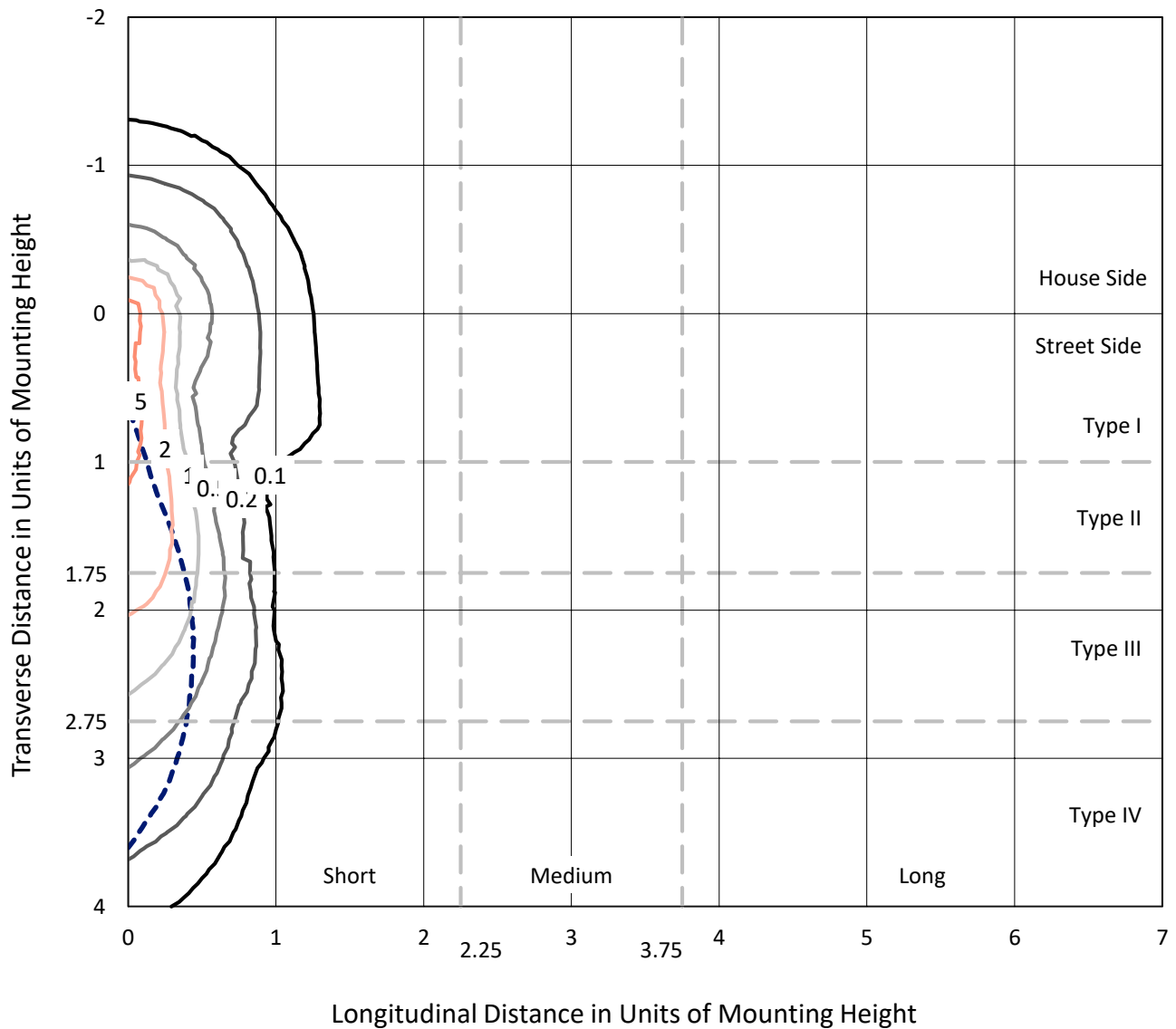


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

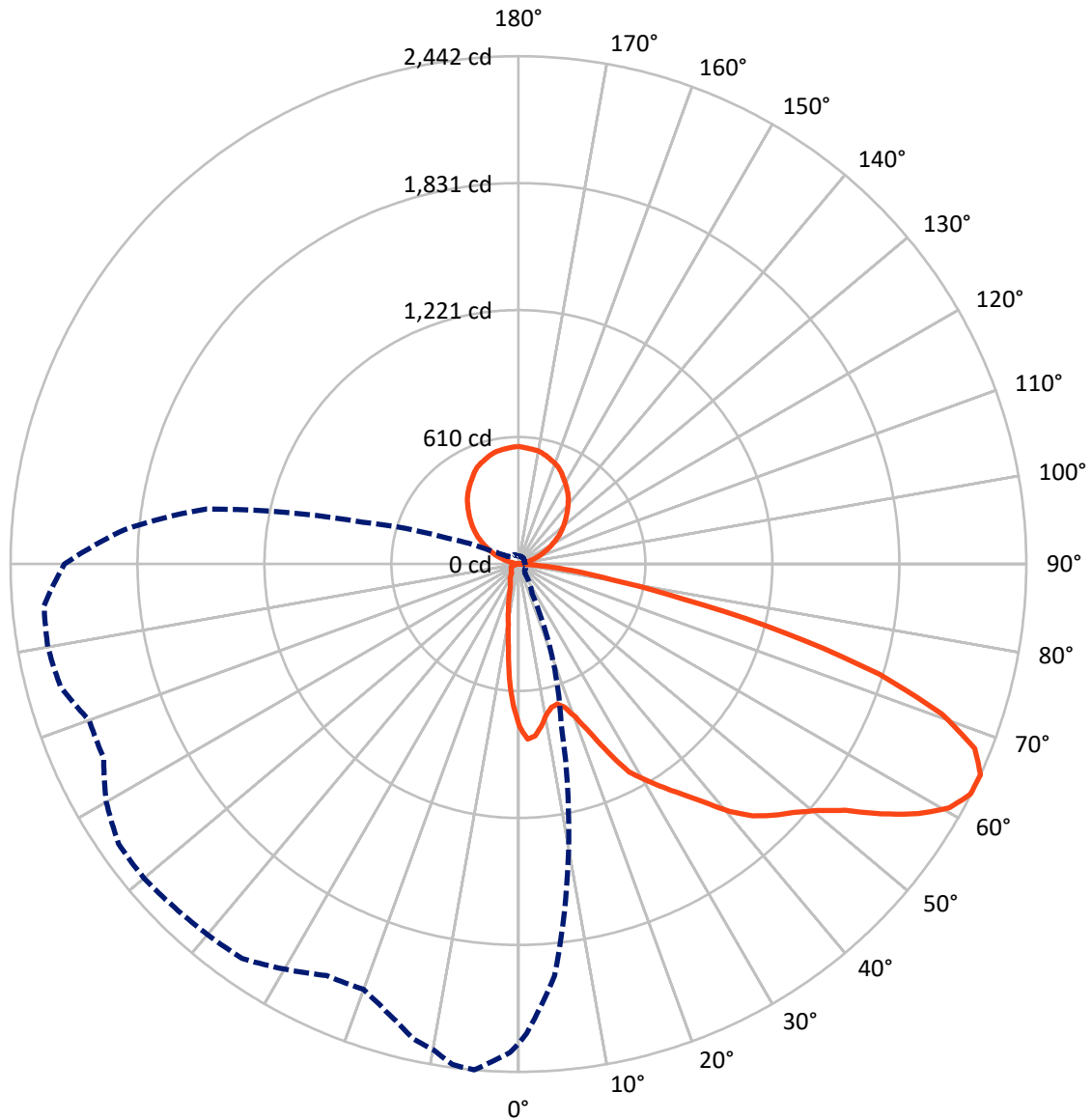


Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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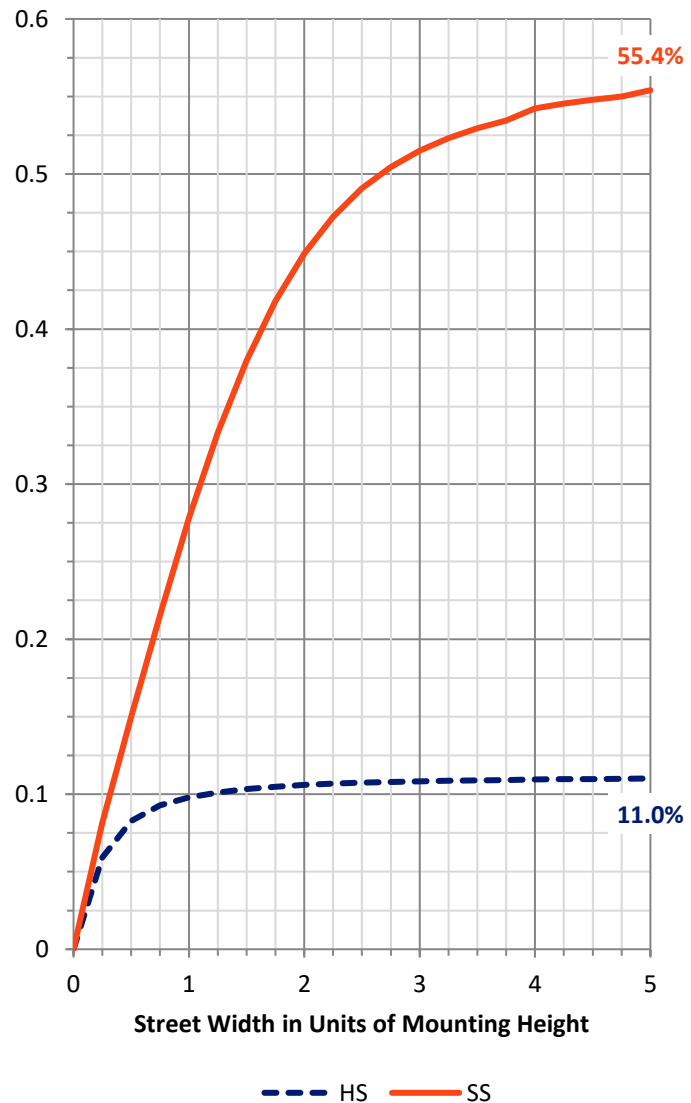
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	470.8	699.9	1170.7
	% Fixture	11.1	16.5	27.7
Street Side	Lumens	2360.8	699.9	3060.6
	% Fixture	55.8	16.5	72.3
Total	Lumens	2831.6	1399.8	4231.4
	% Fixture	66.9	33.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	1.4
10°-20°	124.0	2.9
20°-30°	180.2	4.3
30°-40°	266.6	6.3
40°-50°	388.4	9.2
50°-60°	582.2	13.8
60°-70°	725.5	17.1
70°-80°	425.0	10.0
80°-90°	79.5	1.9
90°-100°	4.7	0.1
100°-110°	67.7	1.6
110°-120°	150.2	3.5
120°-130°	219.7	5.2
130°-140°	260.7	6.2
140°-150°	264.3	6.2
150°-160°	226.8	5.4
160°-170°	152.2	3.6
170°-180°	53.3	1.3
0°-90°	2831.6	66.9
0°-180°	4231.4	100.0



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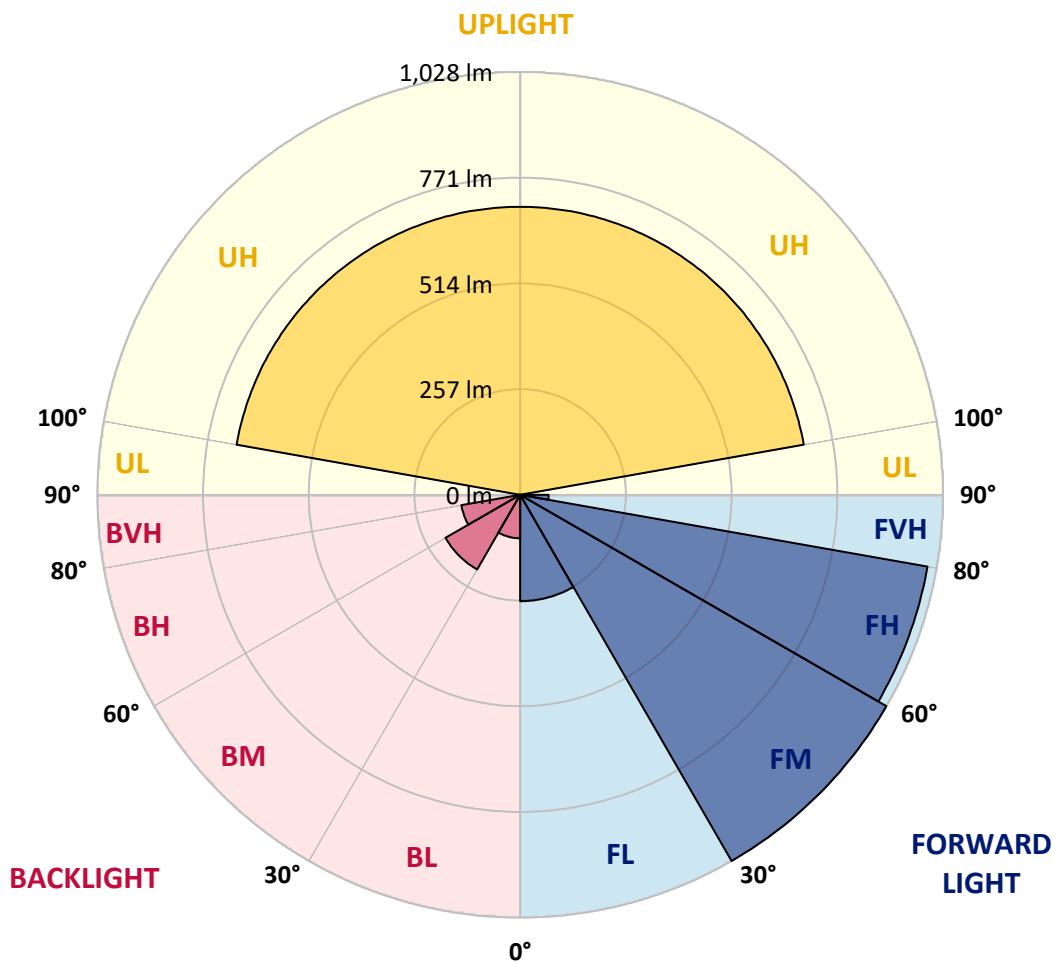
CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-7027-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	258.7	6.1			
FM	(30°-60°)	1027.6	24.3			
FH	(60°-80°)	1005.2	23.8			G1/1800
FVH	(80°-90°)	69.2	1.6			G1/100
BL	(0°-30°)	105.7	2.5	B0/110		
BM	(30°-60°)	209.6	5.0	B0/220		
BH	(60°-80°)	145.3	3.4	B1/500		G1/500
BVH	(80°-90°)	10.2	0.2			G1/100
UL	(90°-100°)	4.7	0.1		U1/10	
UH	(100°-180°)	699.9	16.5		U4/1000	

BUG Rating: B1-U5-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°
0°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6
2.5°	831.8	825.1	811.6	784.7	756.7	729.9	725.3	715.2	716.4	710.8	708.5
5°	804.9	796.0	767.9	711.9	663.7	614.4	610.9	590.7	593.0	580.8	573.9
7.5°	745.5	733.2	701.8	624.4	557.2	492.1	485.4	461.9	458.6	446.2	436.0
10°	687.2	674.9	635.6	547.1	469.7	421.6	413.7	402.4	393.5	387.9	377.7
12.5°	650.2	643.5	596.4	494.3	433.8	394.6	384.6	373.3	364.4	354.2	344.2
15°	642.4	628.9	580.8	477.6	406.9	358.7	346.4	334.1	324.0	313.9	299.3
17.5°	663.7	650.2	596.4	469.7	376.7	318.4	302.7	285.9	275.8	263.5	247.8
20°	714.2	692.9	626.7	458.6	344.2	271.3	252.2	232.0	220.8	199.5	188.4
22.5°	794.8	767.9	678.2	458.6	313.9	222.0	200.7	182.7	170.4	151.4	139.0
25°	910.3	886.8	762.3	470.8	287.0	180.5	159.2	141.2	129.0	115.4	107.7
27.5°	1017.9	980.9	852.0	488.8	265.7	151.4	130.1	115.4	106.4	99.8	95.3
30°	1098.5	1068.4	930.5	501.2	234.3	126.8	113.3	104.2	99.8	96.4	94.1
32.5°	1172.6	1137.8	986.5	509.0	215.2	107.7	95.3	88.6	84.1	79.6	78.5
35°	1251.1	1217.5	1052.6	507.8	202.8	98.6	86.2	78.5	74.0	72.9	70.7
37.5°	1359.9	1314.0	1128.9	507.8	198.4	95.3	80.7	72.9	69.5	67.2	66.1
40°	1465.1	1413.7	1213.0	511.1	193.9	93.1	80.7	72.9	67.2	64.9	62.8
42.5°	1563.9	1506.6	1289.2	516.9	191.7	86.2	76.3	71.8	69.5	64.9	61.6
45°	1639.0	1594.1	1348.6	528.0	191.7	81.8	71.8	68.5	67.2	67.2	66.1
47.5°	1711.8	1661.3	1417.0	549.3	195.0	78.5	68.5	63.9	63.9	63.9	64.9
50°	1806.0	1746.6	1511.2	593.0	195.0	77.3	64.9	60.5	59.4	61.6	61.6
52.5°	1933.8	1891.2	1649.1	655.9	192.9	76.3	63.9	57.2	56.1	57.2	59.4
55°	2114.3	2066.1	1816.1	733.2	190.6	74.0	61.6	56.1	53.8	52.7	53.8
57.5°	2270.1	2228.7	1969.6	794.8	185.1	68.5	59.4	55.0	51.6	50.5	49.4
60°	2338.5	2303.7	2068.3	836.3	174.9	62.8	56.1	52.7	49.4	48.1	47.1
62.5°	2349.7	2305.9	2069.4	845.2	163.7	57.2	52.7	49.4	47.1	45.9	44.8
65°	2305.9	2256.6	1987.6	790.3	154.7	57.2	50.5	47.1	43.7	42.6	41.5
67.5°	2207.3	2131.0	1780.2	670.3	146.9	58.3	49.4	43.7	41.5	40.3	39.3
70°	1969.6	1884.5	1503.3	532.4	143.5	59.4	49.4	41.5	38.1	37.0	37.0
72.5°	1578.4	1480.9	1172.6	401.4	137.9	60.5	48.1	39.3	35.9	33.7	33.7
75°	1068.4	983.1	794.8	271.3	114.4	52.7	43.7	35.9	31.4	29.1	28.0
77.5°	595.3	567.3	505.6	143.5	72.9	39.3	33.7	29.1	25.8	24.6	23.5
80°	349.8	335.2	298.1	79.6	44.8	22.4	20.2	19.0	16.8	16.8	16.8
82.5°	214.2	199.5	185.1	35.9	21.3	11.2	11.2	8.9	8.9	7.8	7.8
85°	58.3	53.8	75.1	7.8	2.2	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	5.1	6.4	7.6	8.8	9.8
100°	7.8	7.8	7.8	9.8	13.7	21.6	23.5	25.5	27.5	29.5	29.9
102.5°	27.5	27.5	27.5	31.4	37.3	44.2	45.4	46.6	47.9	49.0	49.2
105°	53.0	53.0	53.0	55.0	59.8	64.8	65.8	66.7	67.7	68.7	68.9
107.5°	76.5	76.4	75.5	78.5	82.5	86.3	87.1	87.9	88.6	89.3	89.8
110°	99.2	99.4	100.1	101.1	104.0	108.0	108.4	109.0	109.4	110.0	110.4



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CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-7027-ULG

CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°
112.5°	121.7	121.7	121.7	123.7	126.6	129.5	130.1	130.5	131.1	131.5	132.1
115°	143.3	143.5	144.3	146.2	148.2	151.2	151.6	152.2	152.6	153.1	153.6
117.5°	165.8	166.1	166.8	168.8	170.8	173.7	174.2	174.7	175.2	175.7	175.9
120°	189.5	189.8	191.4	192.3	194.3	197.3	197.4	197.8	198.1	198.3	198.7
122.5°	215.0	215.1	216.0	216.9	218.8	221.8	222.0	222.3	222.6	222.8	223.0
125°	239.5	239.8	241.5	242.5	243.4	246.3	246.6	246.9	247.1	247.3	247.6
127.5°	262.0	262.5	264.0	265.0	267.0	269.0	269.4	269.9	270.4	270.9	271.4
130°	284.7	285.0	286.6	287.5	288.5	292.5	292.7	292.9	293.3	293.5	293.9
132.5°	307.2	307.4	308.2	311.2	312.1	315.0	315.2	315.6	315.8	316.0	316.8
135°	329.8	329.9	330.8	332.7	334.7	338.6	338.6	338.6	338.6	338.6	339.4
137.5°	352.3	352.6	353.3	356.3	357.3	360.2	360.2	360.2	360.2	360.2	360.7
140°	375.0	375.1	375.9	377.8	378.8	380.8	381.0	381.3	381.6	381.8	382.0
142.5°	396.5	396.9	398.5	400.5	399.5	402.4	402.4	402.4	402.4	402.4	402.9
145°	417.2	417.4	418.1	420.0	420.0	423.0	423.2	423.6	423.8	424.0	424.4
147.5°	435.8	435.8	435.8	438.7	439.7	443.7	443.9	444.1	444.4	444.6	444.8
150°	452.5	452.7	453.5	455.4	456.4	460.3	460.5	460.8	461.1	461.3	461.5
152.5°	470.2	470.4	471.1	474.0	473.0	476.0	476.2	476.6	476.8	477.0	477.2
155°	489.8	489.9	490.7	492.7	491.7	493.7	493.7	493.7	493.7	493.7	493.9
157.5°	503.5	503.9	505.5	507.5	506.5	509.4	509.4	509.4	509.4	509.4	509.4
160°	515.3	515.6	517.2	519.2	519.2	522.2	522.2	522.2	522.2	522.2	522.2
162.5°	525.1	525.3	526.0	529.0	528.0	531.0	531.0	531.0	531.0	531.0	531.2
165°	535.9	536.1	536.8	538.8	537.8	541.8	541.8	541.8	541.8	541.8	541.9
167.5°	544.7	544.9	545.7	548.7	547.7	550.6	550.4	550.1	549.9	549.7	549.7
170°	551.6	551.8	552.5	555.5	554.5	556.5	556.3	556.1	555.7	555.5	555.3
172.5°	554.5	554.7	555.5	558.5	556.5	558.5	558.3	557.9	557.7	557.5	557.7
175°	556.5	556.9	558.5	559.5	558.5	561.4	561.4	561.4	561.4	561.4	561.6
177.5°	561.4	561.6	562.4	564.3	563.3	567.3	567.1	566.8	566.5	566.3	566.3
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3



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CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-7027-ULG

CANDELA DISTRIBUTION (continued):

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
0°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6
2.5°	699.5	697.3	697.3	680.5	680.5	671.6	669.2	669.2	672.7	670.3	656.9
5°	562.8	556.1	551.6	531.3	525.8	515.6	511.1	510.1	513.4	507.8	489.8
7.5°	423.7	418.1	411.4	395.7	389.0	387.9	374.4	371.1	368.8	364.4	353.1
10°	369.9	362.1	356.4	345.3	337.4	331.8	320.7	315.0	310.5	303.8	300.4
12.5°	332.9	325.1	317.2	302.7	292.6	285.9	279.1	268.0	263.5	255.6	251.2
15°	287.0	278.0	269.0	253.3	239.8	233.2	219.7	213.0	208.5	199.5	195.0
17.5°	231.0	218.6	208.5	193.9	187.2	176.0	168.2	156.9	148.0	144.5	141.2
20°	173.7	162.5	153.6	141.2	134.6	125.5	121.1	113.3	108.8	106.4	104.2
22.5°	127.8	118.8	113.3	106.4	103.1	99.8	97.6	95.3	93.1	92.0	92.0
25°	100.9	97.6	95.3	93.1	92.0	90.8	88.6	87.5	86.2	85.2	85.2
27.5°	92.0	89.7	88.6	87.5	86.2	84.1	84.1	81.8	80.7	80.7	79.6
30°	93.1	93.1	93.1	90.8	89.7	87.5	86.2	82.9	80.7	78.5	77.3
32.5°	76.3	76.3	75.1	72.9	71.8	70.7	70.7	68.5	67.2	67.2	69.5
35°	69.5	68.5	67.2	64.9	63.9	61.6	60.5	59.4	58.3	57.2	57.2
37.5°	66.1	64.9	63.9	61.6	60.5	59.4	58.3	56.1	55.0	55.0	53.8
40°	62.8	62.8	62.8	60.5	59.4	57.2	56.1	55.0	53.8	52.7	52.7
42.5°	60.5	60.5	60.5	59.4	58.3	57.2	55.0	53.8	52.7	51.6	50.5
45°	61.6	60.5	60.5	59.4	58.3	56.1	55.0	52.7	51.6	50.5	49.4
47.5°	66.1	64.9	62.8	60.5	58.3	56.1	53.8	51.6	50.5	49.4	48.1
50°	62.8	67.2	68.5	64.9	59.4	56.1	53.8	51.6	49.4	48.1	47.1
52.5°	61.6	62.8	67.2	67.2	61.6	57.2	53.8	51.6	49.4	47.1	45.9
55°	56.1	59.4	60.5	61.6	60.5	56.1	52.7	49.4	48.1	45.9	43.7
57.5°	49.4	51.6	52.7	55.0	56.1	55.0	50.5	47.1	45.9	43.7	41.5
60°	45.9	45.9	45.9	47.1	52.7	57.2	52.7	45.9	42.6	41.5	39.3
62.5°	42.6	42.6	41.5	42.6	43.7	49.4	48.1	43.7	41.5	40.3	38.1
65°	41.5	40.3	39.3	39.3	39.3	39.3	39.3	39.3	38.1	38.1	37.0
67.5°	38.1	37.0	37.0	35.9	35.9	35.9	35.9	35.9	34.8	34.8	33.7
70°	35.9	34.8	33.7	33.7	33.7	32.5	32.5	32.5	31.4	31.4	31.4
72.5°	32.5	31.4	31.4	31.4	30.3	30.3	30.3	29.1	29.1	28.0	28.0
75°	28.0	28.0	26.9	26.9	26.9	25.8	25.8	25.8	25.8	24.6	24.6
77.5°	23.5	22.4	23.5	22.4	22.4	22.4	22.4	22.4	21.3	21.3	20.2
80°	15.7	15.7	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	15.7
82.5°	8.9	7.8	8.9	8.9	8.9	10.2	10.2	11.2	10.2	10.2	8.9
85°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.2	2.2	2.2	2.2
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°	10.8	11.8	12.8	11.3	9.8	8.4	6.8	6.4	5.9	5.4	4.9
100°	30.5	30.9	31.4	30.9	30.5	29.9	29.5	28.7	27.9	27.3	26.5
102.5°	49.6	49.9	50.0	49.9	49.6	49.2	49.0	48.6	48.1	47.6	47.1
105°	69.2	69.5	69.7	69.7	69.7	69.7	69.7	69.2	68.7	68.2	67.7
107.5°	90.3	90.8	91.3	91.1	90.8	90.5	90.3	90.1	89.8	89.5	89.3
110°	110.9	111.4	111.9	111.9	111.9	111.9	111.9	111.7	111.4	111.1	110.9



REPORT NUMBER: P271456

CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-7027-ULG

CANDELA DISTRIBUTION (continued):

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
112.5°	132.5	132.9	133.5	133.5	133.5	133.5	133.5	133.3	132.9	132.7	132.5
115°	154.1	154.6	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0
117.5°	176.2	176.4	176.7	176.9	177.1	177.4	177.7	177.4	177.1	176.9	176.7
120°	199.2	199.7	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2
122.5°	223.3	223.6	223.8	223.8	223.8	223.8	223.8	223.9	224.3	224.6	224.8
125°	247.8	248.1	248.3	248.5	248.8	249.1	249.3	249.3	249.3	249.3	249.3
127.5°	271.8	272.4	272.8	272.6	272.4	272.1	271.8	272.1	272.4	272.6	272.8
130°	294.5	294.9	295.5	295.5	295.5	295.5	295.5	295.6	295.9	296.2	296.4
132.5°	317.6	318.2	319.0	319.0	319.0	319.0	319.0	319.2	319.4	319.8	320.0
135°	340.1	340.7	341.5	341.5	341.5	341.5	341.5	341.7	342.1	342.3	342.5
137.5°	361.2	361.7	362.2	362.2	362.2	362.2	362.2	362.4	362.6	362.9	363.2
140°	382.3	382.6	382.8	382.8	382.8	382.8	382.8	383.3	383.8	384.3	384.7
142.5°	403.4	403.9	404.3	404.3	404.3	404.3	404.3	404.6	404.9	405.1	405.3
145°	425.0	425.4	426.0	425.8	425.4	425.2	425.0	425.2	425.4	425.8	426.0
147.5°	445.1	445.4	445.6	445.1	444.6	444.1	443.7	443.9	444.1	444.4	444.6
150°	461.8	462.1	462.3	461.8	461.3	460.8	460.3	460.3	460.3	460.3	460.3
152.5°	477.4	477.8	478.0	477.8	477.4	477.2	477.0	477.0	477.0	477.0	477.0
155°	494.2	494.4	494.7	494.4	494.2	493.9	493.7	493.9	494.2	494.4	494.7
157.5°	509.4	509.4	509.4	508.9	508.4	507.9	507.5	507.6	507.9	508.2	508.4
160°	522.2	522.2	522.2	521.6	521.2	520.7	520.2	520.2	520.2	520.2	520.2
162.5°	531.4	531.8	532.0	531.4	531.0	530.4	530.0	529.6	529.0	528.6	528.0
165°	542.3	542.6	542.8	541.9	541.3	540.6	539.8	539.3	538.8	538.4	537.8
167.5°	549.7	549.7	549.7	549.1	548.7	548.1	547.7	547.9	548.1	548.4	548.7
170°	555.1	554.7	554.5	554.3	554.1	553.7	553.5	554.1	554.5	555.1	555.5
172.5°	557.9	558.3	558.5	557.9	557.5	556.9	556.5	556.7	556.9	557.3	557.5
175°	561.9	562.2	562.4	561.6	560.9	560.3	559.5	558.9	558.5	557.9	557.5
177.5°	566.3	566.3	566.3	565.6	564.9	564.1	563.3	563.3	563.3	563.3	563.3
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3



REPORT NUMBER: P271456

CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-7027-ULG

CANDELA DISTRIBUTION (continued):

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6
2.5°	663.7	662.5	651.3	653.6	650.2	643.5	644.6	645.7	647.9	643.5	641.2
5°	498.9	500.0	485.4	489.8	486.5	485.4	488.8	494.3	497.8	496.7	493.3
7.5°	354.2	355.4	343.1	342.0	338.5	337.4	342.0	347.6	350.9	349.8	350.9
10°	292.6	289.3	278.0	270.2	262.3	255.6	254.5	254.5	254.5	252.2	250.0
12.5°	242.1	238.8	225.4	218.6	211.9	202.8	201.8	200.7	197.3	193.9	189.5
15°	188.4	185.1	173.7	169.3	163.7	160.3	159.2	159.2	156.9	154.7	152.4
17.5°	136.7	134.6	127.8	123.2	122.2	123.2	124.4	126.8	127.8	129.0	129.0
20°	103.1	102.0	99.8	99.8	100.9	104.2	105.4	108.8	109.9	112.1	114.4
22.5°	90.8	90.8	89.7	89.7	92.0	95.3	97.6	98.6	99.8	100.9	100.9
25°	84.1	84.1	82.9	85.2	88.6	88.6	88.6	88.6	86.2	85.2	85.2
27.5°	79.6	79.6	79.6	80.7	79.6	78.5	78.5	78.5	77.3	77.3	76.3
30°	76.3	76.3	76.3	75.1	75.1	74.0	74.0	72.9	72.9	71.8	71.8
32.5°	70.7	68.5	70.7	68.5	68.5	67.2	68.5	68.5	66.1	66.1	66.1
35°	56.1	55.0	55.0	55.0	53.8	55.0	57.2	57.2	57.2	57.2	57.2
37.5°	52.7	52.7	51.6	50.5	50.5	49.4	50.5	49.4	49.4	49.4	50.5
40°	51.6	50.5	49.4	49.4	48.1	47.1	47.1	47.1	47.1	47.1	47.1
42.5°	49.4	49.4	47.1	45.9	45.9	44.8	44.8	44.8	44.8	44.8	44.8
45°	48.1	47.1	45.9	44.8	43.7	43.7	43.7	43.7	43.7	43.7	42.6
47.5°	47.1	45.9	44.8	43.7	42.6	41.5	41.5	41.5	41.5	41.5	41.5
50°	45.9	44.8	42.6	42.6	41.5	40.3	40.3	40.3	40.3	40.3	40.3
52.5°	43.7	43.7	41.5	40.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
55°	41.5	41.5	39.3	38.1	37.0	37.0	37.0	37.0	38.1	38.1	38.1
57.5°	40.3	39.3	37.0	37.0	34.8	34.8	34.8	35.9	35.9	37.0	37.0
60°	38.1	37.0	35.9	34.8	34.8	33.7	33.7	33.7	33.7	34.8	34.8
62.5°	37.0	35.9	33.7	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
65°	34.8	34.8	32.5	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
67.5°	32.5	32.5	30.3	29.1	29.1	29.1	30.3	29.1	29.1	29.1	29.1
70°	30.3	29.1	28.0	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
72.5°	26.9	26.9	25.8	24.6	24.6	24.6	24.6	24.6	24.6	24.6	25.8
75°	23.5	22.4	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
77.5°	20.2	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	19.0
80°	14.6	13.5	13.5	13.5	13.5	14.6	14.6	14.6	14.6	14.6	14.6
82.5°	8.9	7.8	7.8	7.8	8.9	10.2	10.2	10.2	10.2	11.2	11.2
85°	2.2	2.2	2.2	2.2	4.5	5.6	5.6	5.6	6.7	5.6	5.6
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°	4.7	4.4	4.0	4.0	4.0	4.4	4.7	4.9	5.4	5.9	6.4
100°	26.3	26.1	25.5	24.5	25.5	26.1	26.3	26.5	27.3	27.9	28.7
102.5°	47.3	47.6	48.1	47.1	48.1	47.6	47.3	47.1	47.6	48.1	48.6
105°	68.2	68.7	69.7	67.7	69.7	68.7	68.2	67.7	68.2	68.7	69.2
107.5°	89.5	89.8	90.3	89.3	90.3	89.8	89.5	89.3	89.5	89.8	90.1
110°	111.1	111.4	111.9	110.9	111.9	111.4	111.1	110.9	111.1	111.4	111.7



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°	
112.5°	132.9	133.5	134.5	132.5	134.5	133.5	132.9	132.5	132.7	132.9	133.3	0°
115°	155.6	156.0	157.0	156.0	157.0	156.0	155.6	155.0	155.0	155.0	155.0	2.5°
117.5°	177.1	177.7	178.7	176.7	178.7	177.7	177.1	176.7	176.9	177.1	177.4	5°
120°	200.7	201.2	202.2	200.2	202.2	201.2	200.7	200.2	200.2	200.2	200.2	7.5°
122.5°	225.7	226.7	228.7	227.7	228.7	226.7	225.7	224.8	224.6	224.3	223.9	10°
125°	250.1	250.8	252.2	251.3	252.2	250.8	250.1	249.3	249.3	249.3	249.3	12.5°
127.5°	273.6	274.3	275.8	272.8	275.8	274.3	273.6	272.8	272.6	272.4	272.1	15°
130°	297.2	297.9	299.3	297.4	299.3	297.9	297.2	296.4	296.2	295.9	295.6	17.5°
132.5°	320.8	321.4	322.9	321.0	322.9	321.4	320.8	320.0	319.8	319.4	319.2	20°
135°	343.1	343.5	344.5	343.5	344.5	343.5	343.1	342.5	342.3	342.1	341.7	22.5°
137.5°	364.2	365.1	367.0	365.1	367.0	365.1	364.2	363.2	362.9	362.6	362.4	25°
140°	385.7	386.7	388.7	386.7	388.7	386.7	385.7	384.7	384.3	383.8	383.3	27.5°
142.5°	406.1	406.8	408.3	407.3	408.3	406.8	406.1	405.3	405.1	404.9	404.6	30°
145°	426.8	427.4	428.9	427.0	428.9	427.4	426.8	426.0	425.8	425.4	425.2	32.5°
147.5°	445.4	446.1	447.5	444.6	447.5	446.1	445.4	444.6	444.4	444.1	443.9	35°
150°	461.3	462.3	464.2	461.3	464.2	462.3	461.3	460.3	460.3	460.3	460.3	37.5°
152.5°	477.8	478.4	480.0	477.0	480.0	478.4	477.8	477.0	477.0	477.0	477.0	40°
155°	495.4	496.1	497.6	495.7	497.6	496.1	495.4	494.7	494.4	494.2	493.9	42.5°
157.5°	509.6	510.9	513.3	510.3	513.3	510.9	509.6	508.4	508.2	507.9	507.6	45°
160°	520.9	521.6	523.2	521.2	523.2	521.6	520.9	520.2	520.2	520.2	520.2	47.5°
162.5°	528.6	529.0	530.0	527.0	530.0	529.0	528.6	528.0	528.6	529.0	529.6	50°
165°	538.4	538.8	539.8	537.8	539.8	538.8	538.4	537.8	538.4	538.8	539.3	52.5°
167.5°	549.7	550.6	552.5	550.6	552.5	550.6	549.7	548.7	548.4	548.1	547.9	55°
170°	556.7	557.9	560.5	558.5	560.5	557.9	556.7	555.5	555.1	554.5	554.1	57.5°
172.5°	558.3	558.9	560.5	557.5	560.5	558.9	558.3	557.5	557.3	556.9	556.7	60°
175°	558.3	558.9	560.5	557.5	560.5	558.9	558.3	557.5	557.9	558.5	558.9	62.5°
177.5°	564.1	564.9	566.3	563.3	566.3	564.9	564.1	563.3	563.3	563.3	563.3	65°
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	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°



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REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°	115°	
783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	112.5°	133.5
639.1	652.5	652.5	643.5	647.9	643.5	642.4	650.2	654.7	669.2	678.2	115°	155.0
494.3	511.1	512.3	507.8	513.4	510.1	513.4	523.5	531.3	541.5	550.4	117.5°	177.7
353.1	368.8	372.2	368.8	378.9	377.7	380.1	391.2	397.9	403.6	404.7	120°	200.2
248.9	251.2	260.1	257.8	264.6	263.5	266.8	275.8	284.8	288.1	290.3	122.5°	223.8
187.2	185.1	188.4	183.8	187.2	187.2	188.4	193.9	205.2	209.7	220.8	125°	249.3
151.4	149.1	149.1	146.9	146.9	145.7	146.9	151.4	159.2	165.8	174.9	127.5°	271.8
129.0	129.0	129.0	127.8	126.8	126.8	127.8	130.1	134.6	139.0	143.5	130°	295.5
115.4	117.7	118.8	119.9	121.1	122.2	123.2	126.8	125.5	121.1	115.4	132.5°	319.0
100.9	100.9	102.0	102.0	100.9	100.9	100.9	100.9	100.9	104.2	107.7	135°	341.5
84.1	84.1	84.1	85.2	84.1	84.1	85.2	85.2	86.2	88.6	92.0	137.5°	362.2
76.3	76.3	76.3	76.3	76.3	76.3	76.3	77.3	78.5	81.8	84.1	140°	382.8
70.7	70.7	69.5	69.5	69.5	68.5	69.5	69.5	70.7	75.1	78.5	142.5°	404.3
64.9	63.9	63.9	63.9	62.8	62.8	62.8	64.9	66.1	68.5	71.8	145°	425.0
57.2	57.2	57.2	58.3	58.3	58.3	58.3	60.5	60.5	61.6	61.6	147.5°	443.7
51.6	51.6	52.7	53.8	53.8	55.0	55.0	56.1	57.2	56.1	55.0	150°	460.3
47.1	48.1	48.1	50.5	50.5	50.5	51.6	52.7	53.8	51.6	51.6	152.5°	477.0
44.8	44.8	44.8	45.9	45.9	45.9	47.1	48.1	49.4	49.4	49.4	155°	493.7
42.6	42.6	42.6	43.7	42.6	42.6	42.6	43.7	45.9	45.9	47.1	157.5°	507.5
41.5	41.5	41.5	40.3	40.3	40.3	40.3	41.5	42.6	44.8	45.9	160°	520.2
40.3	39.3	39.3	39.3	39.3	39.3	39.3	40.3	41.5	42.6	44.8	162.5°	530.0
38.1	38.1	38.1	38.1	38.1	38.1	38.1	39.3	40.3	41.5	42.6	165°	539.8
38.1	38.1	37.0	37.0	38.1	38.1	38.1	39.3	40.3	41.5	41.5	167.5°	547.7
37.0	35.9	35.9	37.0	37.0	37.0	37.0	38.1	39.3	40.3	40.3	170°	553.5
34.8	34.8	34.8	34.8	35.9	35.9	37.0	38.1	38.1	39.3	39.3	172.5°	556.5
32.5	33.7	33.7	33.7	34.8	34.8	35.9	37.0	38.1	39.3	38.1	175°	559.5
31.4	32.5	32.5	32.5	33.7	33.7	33.7	35.9	37.0	37.0	38.1	177.5°	563.3
30.3	30.3	30.3	31.4	31.4	32.5	32.5	34.8	34.8	35.9	37.0	180°	565.3
28.0	28.0	28.0	29.1	29.1	30.3	31.4	32.5	32.5	33.7	34.8		
25.8	25.8	25.8	26.9	26.9	28.0	29.1	31.4	30.3	31.4	31.4		
22.4	22.4	23.5	23.5	24.6	25.8	26.9	26.9	26.9	26.9	26.9		
19.0	19.0	20.2	20.2	21.3	22.4	22.4	22.4	23.5	22.4	22.4		
15.7	15.7	16.8	16.8	16.8	16.8	18.0	16.8	18.0	16.8	18.0		
11.2	11.2	12.4	11.2	12.4	11.2	11.2	10.2	12.4	11.2	11.2		
4.5	5.6	5.6	5.6	5.6	4.5	4.5	3.3	4.5	4.5	3.3		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
6.8	8.4	9.8	11.3	12.8	11.8	10.8	8.8	4.0	3.0	2.0		
29.5	29.9	30.5	30.9	31.4	30.9	30.5	29.5	21.6	13.7	9.8		
49.0	49.2	49.6	49.9	50.0	49.9	49.6	49.0	44.2	37.3	31.4		
69.7	69.7	69.7	69.7	69.7	69.5	69.2	68.7	64.8	59.8	55.0		
90.3	90.5	90.8	91.1	91.3	90.8	90.3	89.3	86.3	82.5	78.5		
111.9	111.9	111.9	111.9	111.9	111.4	110.9	110.0	108.0	104.0	101.1		

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REPORT NUMBER: P271456
 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°
133.5	133.5	133.5	133.5	132.9	132.5	131.5	129.5	126.6	123.7	0°	783.6	783.6
155.0	155.0	155.0	155.0	154.6	154.1	153.1	151.2	148.2	146.2	2.5°	681.6	680.5
177.4	177.1	176.9	176.7	176.4	176.2	175.7	173.7	170.8	168.8	5°	551.6	549.3
200.2	200.2	200.2	200.2	199.7	199.2	198.3	197.3	194.3	192.3	7.5°	394.6	390.1
223.8	223.8	223.8	223.8	223.6	223.3	222.8	221.8	218.8	216.9	10°	291.5	294.8
249.1	248.8	248.5	248.3	248.1	247.8	247.3	246.3	243.4	242.5	12.5°	233.2	246.7
272.1	272.4	272.6	272.8	272.4	271.8	270.9	269.0	267.0	265.0	15°	187.2	195.0
295.5	295.5	295.5	295.5	294.9	294.5	293.5	292.5	288.5	287.5	17.5°	144.5	148.0
319.0	319.0	319.0	319.0	318.2	317.6	316.0	315.0	312.1	311.2	20°	115.4	115.4
341.5	341.5	341.5	341.5	340.7	340.1	338.6	338.6	334.7	332.7	22.5°	100.9	99.8
362.2	362.2	362.2	362.2	361.7	361.2	360.2	360.2	357.3	356.3	25°	95.3	94.1
382.8	382.8	382.8	382.8	382.6	382.3	381.8	380.8	378.8	377.8	27.5°	86.2	87.5
404.3	404.3	404.3	404.3	403.9	403.4	402.4	402.4	399.5	400.5	30°	80.7	81.8
425.2	425.4	425.8	426.0	425.4	425.0	424.0	423.0	420.0	420.0	32.5°	74.0	75.1
444.1	444.6	445.1	445.6	445.4	445.1	444.6	443.7	439.7	438.7	35°	60.5	60.5
460.8	461.3	461.8	462.3	462.1	461.8	461.3	460.3	456.4	455.4	37.5°	56.1	56.1
477.2	477.4	477.8	478.0	477.8	477.4	477.0	476.0	473.0	474.0	40°	52.7	53.8
493.9	494.2	494.4	494.7	494.4	494.2	493.7	493.7	491.7	492.7	42.5°	50.5	50.5
507.9	508.4	508.9	509.4	509.4	509.4	509.4	509.4	506.5	507.5	45°	48.1	49.4
520.7	521.2	521.6	522.2	522.2	522.2	522.2	522.2	519.2	519.2	47.5°	47.1	47.1
530.4	531.0	531.4	532.0	531.8	531.4	531.0	531.0	528.0	529.0	50°	44.8	45.9
540.6	541.3	541.9	542.8	542.6	542.3	541.8	541.8	537.8	538.8	52.5°	43.7	44.8
548.1	548.7	549.1	549.7	549.7	549.7	549.7	550.6	547.7	548.7	55°	42.6	42.6
553.7	554.1	554.3	554.5	554.7	555.1	555.5	556.5	554.5	555.5	57.5°	40.3	41.5
556.9	557.5	557.9	558.5	558.3	557.9	557.5	558.5	556.5	558.5	60°	40.3	40.3
560.3	560.9	561.6	562.4	562.2	561.9	561.4	561.4	558.5	559.5	62.5°	39.3	39.3
564.1	564.9	565.6	566.3	566.3	566.3	566.3	567.3	563.3	564.3	65°	38.1	38.1
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	67.5°	35.9	35.9
										70°	33.7	33.7
										72.5°	31.4	30.3
										75°	26.9	26.9
										77.5°	22.4	22.4
										80°	16.8	15.7
										82.5°	10.2	8.9
										85°	3.3	3.3
										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°	7.8	7.8
										102.5°	27.5	27.5
										105°	53.0	53.0
										107.5°	75.5	76.5
										110°	100.1	99.2

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tinued):

CANDELA DISTRIBUTION (continued):

185°	195°	205°	215°	225°	230°	235°	240°	245°		175°	180°	185°
783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	112.5°	121.7	121.7	121.7
697.3	709.6	717.5	747.7	761.1	778.0	785.8	797.1	808.3	115°	144.3	143.3	144.3
569.4	585.2	598.6	642.4	668.1	691.7	710.8	728.6	754.5	117.5°	166.8	165.8	166.8
403.6	417.0	435.0	482.0	526.9	558.3	586.3	616.6	650.2	120°	191.4	189.5	191.4
308.3	328.5	352.0	387.9	423.7	446.2	470.8	504.5	544.8	122.5°	216.0	215.0	216.0
257.8	282.4	310.5	350.9	389.0	406.9	424.9	441.7	463.0	125°	241.5	239.5	241.5
204.1	227.6	261.1	308.3	353.1	373.3	394.6	414.7	433.8	127.5°	264.0	262.0	264.0
152.4	169.3	199.5	255.6	305.0	330.7	355.4	383.4	409.2	130°	286.6	284.7	286.6
116.6	124.4	145.7	189.5	250.0	282.4	313.9	349.8	386.8	132.5°	308.2	307.2	308.2
100.9	104.2	114.4	140.1	195.0	233.2	273.5	318.4	364.4	135°	330.8	329.8	330.8
93.1	95.3	100.9	113.3	152.4	192.9	234.3	288.1	344.2	137.5°	353.3	352.3	353.3
88.6	90.8	95.3	102.0	126.8	156.9	202.8	262.3	329.6	140°	375.9	375.0	375.9
82.9	85.2	93.1	100.9	115.4	134.6	173.7	232.0	307.2	142.5°	398.5	396.5	398.5
76.3	77.3	79.6	88.6	98.6	114.4	148.0	205.2	283.7	145°	418.1	417.2	418.1
61.6	64.9	69.5	78.5	88.6	100.9	132.3	187.2	269.0	147.5°	435.8	435.8	435.8
57.2	60.5	64.9	72.9	81.8	93.1	125.5	180.5	255.6	150°	453.5	452.5	453.5
53.8	57.2	61.6	70.7	76.3	89.7	122.2	170.4	242.1	152.5°	471.1	470.2	471.1
51.6	55.0	60.5	67.2	75.1	87.5	113.3	161.4	234.3	155°	490.7	489.8	490.7
49.4	52.7	59.4	64.9	76.3	82.9	107.7	154.7	227.6	157.5°	505.5	503.5	505.5
48.1	51.6	58.3	66.1	74.0	78.5	102.0	149.1	222.0	160°	517.2	515.3	517.2
47.1	50.5	57.2	72.9	70.7	75.1	97.6	144.5	218.6	162.5°	526.0	525.1	526.0
45.9	49.4	57.2	74.0	68.5	70.7	94.1	140.1	216.3	165°	536.8	535.9	536.8
43.7	48.1	57.2	68.5	63.9	68.5	87.5	133.4	210.7	167.5°	545.7	544.7	545.7
42.6	45.9	56.1	62.8	60.5	64.9	80.7	122.2	202.8	170°	552.5	551.6	552.5
41.5	44.8	56.1	56.1	57.2	61.6	72.9	108.8	189.5	172.5°	555.5	554.5	555.5
40.3	44.8	57.2	50.5	53.8	58.3	67.2	97.6	172.7	175°	558.5	556.5	558.5
39.3	42.6	49.4	48.1	51.6	55.0	64.9	89.7	158.0	177.5°	562.4	561.4	562.4
37.0	40.3	43.7	44.8	49.4	52.7	63.9	88.6	144.5	180°	565.3	565.3	565.3
33.7	37.0	39.3	42.6	45.9	50.5	63.9	87.5	134.6				
31.4	33.7	35.9	38.1	41.5	47.1	62.8	88.6	130.1				
26.9	29.1	31.4	33.7	37.0	43.7	59.4	82.9	116.6				
21.3	24.6	26.9	28.0	31.4	38.1	51.6	70.7	94.1				
15.7	19.0	20.2	22.4	24.6	29.1	40.3	51.6	69.5				
8.9	12.4	13.5	14.6	19.0	21.3	26.9	33.7	47.1				
3.3	5.6	6.7	7.8	11.2	12.4	16.8	21.3	24.6				
0.0	0.0	0.0	0.0	2.2	3.3	5.6	6.7	5.6				
0.0	0.0	0.0	0.0	0.0	0.0	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	8.8	10.8	12.8	9.8	6.8				
7.8	9.8	13.7	21.6	29.5	30.5	31.4	30.5	29.5				
27.5	31.4	37.3	44.2	49.0	49.6	50.0	49.6	49.0				
53.0	55.0	59.8	64.8	68.7	69.2	69.7	69.7	69.7				
75.5	78.5	82.5	86.3	89.3	90.3	91.3	90.8	90.3				
100.1	101.1	104.0	108.0	110.0	110.9	111.9	111.9	111.9				



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CANDELA DISTRIBUTION (continued):

195°	205°	215°	225°	230°	235°	240°	245°		250°	255°	260°	265°
123.7	126.6	129.5	131.5	132.5	133.5	133.5	133.5	0°	783.6	783.6	783.6	783.6
146.2	148.2	151.2	153.1	154.1	155.0	155.0	155.0	2.5°	821.7	833.0	847.6	860.9
168.8	170.8	173.7	175.7	176.2	176.7	177.1	177.7	5°	774.7	796.0	827.2	853.1
192.3	194.3	197.3	198.3	199.2	200.2	200.2	200.2	7.5°	679.4	708.5	747.7	783.6
216.9	218.8	221.8	222.8	223.3	223.8	223.8	223.8	10°	579.6	619.9	661.4	707.3
242.5	243.4	246.3	247.3	247.8	248.3	248.8	249.3	12.5°	497.8	543.7	590.7	647.9
265.0	267.0	269.0	270.9	271.8	272.8	272.4	271.8	15°	463.0	503.3	558.3	621.1
287.5	288.5	292.5	293.5	294.5	295.5	295.5	295.5	17.5°	448.4	500.0	562.8	628.9
311.2	312.1	315.0	316.0	317.6	319.0	319.0	319.0	20°	432.7	503.3	587.4	668.1
332.7	334.7	338.6	338.6	340.1	341.5	341.5	341.5	22.5°	423.7	514.5	618.8	732.1
356.3	357.3	360.2	360.2	361.2	362.2	362.2	362.2	25°	421.6	540.3	672.7	822.8
377.8	378.8	380.8	381.8	382.3	382.8	382.8	382.8	27.5°	423.7	569.4	739.8	920.3
400.5	399.5	402.4	402.4	403.4	404.3	404.3	404.3	30°	413.7	599.8	807.1	1005.6
420.0	420.0	423.0	424.0	425.0	426.0	425.4	425.0	32.5°	396.8	622.2	866.5	1073.9
438.7	439.7	443.7	444.6	445.1	445.6	444.6	443.7	35°	377.7	632.2	909.2	1137.8
455.4	456.4	460.3	461.3	461.8	462.3	461.3	460.3	37.5°	357.6	633.3	949.5	1205.2
474.0	473.0	476.0	477.0	477.4	478.0	477.4	477.0	40°	346.4	628.9	991.0	1288.1
492.7	491.7	493.7	493.7	494.2	494.7	494.2	493.7	42.5°	342.0	621.1	1021.2	1350.8
507.5	506.5	509.4	509.4	509.4	509.4	508.4	507.5	45°	342.0	613.3	1049.3	1397.9
519.2	519.2	522.2	522.2	522.2	522.2	521.2	520.2	47.5°	343.1	616.6	1083.0	1474.2
529.0	528.0	531.0	531.0	531.4	532.0	531.0	530.0	50°	348.6	654.7	1140.1	1558.2
538.8	537.8	541.8	541.8	542.3	542.8	541.3	539.8	52.5°	357.6	715.2	1238.8	1658.0
548.7	547.7	550.6	549.7	549.7	549.7	548.7	547.7	55°	366.6	776.9	1367.7	1825.1
555.5	554.5	556.5	555.5	555.1	554.5	554.1	553.5	57.5°	374.4	822.8	1493.3	1990.9
558.5	556.5	558.5	557.5	557.9	558.5	557.5	556.5	60°	382.3	858.7	1566.0	2064.9
559.5	558.5	561.4	561.4	561.9	562.4	560.9	559.5	62.5°	377.7	845.2	1586.2	2027.9
564.3	563.3	567.3	566.3	566.3	566.3	564.9	563.3	65°	361.0	774.7	1522.4	1900.2
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	67.5°	315.0	651.3	1326.2	1698.3
								70°	261.1	511.1	1081.8	1446.1
								72.5°	219.7	382.3	831.8	1120.0
								75°	182.7	270.2	585.2	771.3
								77.5°	135.6	183.8	423.7	539.3
								80°	90.8	113.3	270.2	376.7
								82.5°	55.0	66.1	155.9	263.5
								85°	30.3	41.5	95.3	172.7
								87.5°	7.8	8.9	21.3	7.8
								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°	5.9	4.9	4.4	4.0
								100°	27.9	26.5	26.1	25.5
								102.5°	48.1	47.1	47.6	48.1
								105°	68.7	67.7	68.7	69.7
								107.5°	89.8	89.3	89.8	90.3
								110°	111.4	110.9	111.4	111.9

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JLG

CANDELA DISTRIBUTION (continued):

270°	275°	280°	285°	290°	295°	300°		250°	255°	260°	265°	270°
783.6	783.6	783.6	783.6	783.6	783.6	783.6	112.5°	132.9	132.5	133.5	134.5	132.5
871.1	880.0	891.2	891.2	904.8	909.2	918.2	115°	155.0	155.0	156.0	157.0	156.0
884.5	914.7	942.8	958.5	985.4	1003.4	1021.2	117.5°	177.1	176.7	177.7	178.7	176.7
829.6	878.9	924.9	967.5	1012.3	1050.4	1078.4	120°	200.2	200.2	201.2	202.2	200.2
756.7	809.5	865.4	922.6	976.5	1030.3	1076.2	122.5°	224.3	224.8	226.7	228.7	227.7
705.1	761.1	827.2	876.7	932.7	986.5	1031.3	125°	249.3	249.3	250.8	252.2	251.3
681.6	738.8	800.4	850.9	903.5	947.4	978.6	127.5°	272.4	272.8	274.3	275.8	272.8
693.9	763.4	818.4	860.9	900.2	920.3	924.9	130°	295.9	296.4	297.9	299.3	297.4
747.7	820.6	860.9	889.1	895.7	894.6	877.7	132.5°	319.4	320.0	321.4	322.9	321.0
831.8	917.0	945.1	939.4	911.4	875.6	847.6	135°	342.1	342.5	343.5	344.5	343.5
945.1	1030.3	1046.0	1014.5	951.8	882.2	835.2	137.5°	362.6	363.2	365.1	367.0	365.1
1063.9	1151.3	1145.7	1098.5	1009.0	911.4	836.3	140°	383.8	384.7	386.7	388.7	386.7
1147.9	1220.8	1198.4	1127.7	1028.0	930.5	850.9	142.5°	404.9	405.3	406.8	408.3	407.3
1235.3	1290.3	1249.9	1173.7	1070.6	970.8	889.1	145°	425.4	426.0	427.4	428.9	427.0
1329.5	1358.7	1293.6	1216.3	1122.2	1021.2	932.7	147.5°	444.1	444.6	446.1	447.5	444.6
1420.4	1432.7	1338.6	1255.7	1163.7	1072.8	992.1	150°	460.3	460.3	462.3	464.2	461.3
1517.9	1501.1	1385.6	1288.1	1197.4	1127.7	1061.7	152.5°	477.0	477.0	478.4	480.0	477.0
1601.9	1564.9	1429.3	1320.6	1238.8	1180.5	1134.5	155°	494.2	494.7	496.1	497.6	495.7
1664.8	1616.5	1470.9	1351.9	1279.1	1243.3	1220.8	157.5°	507.9	508.4	510.9	513.3	510.3
1718.5	1665.9	1503.3	1397.9	1335.2	1321.7	1329.5	160°	520.2	520.2	521.6	523.2	521.2
1785.8	1718.5	1547.0	1449.5	1411.3	1424.8	1469.6	162.5°	529.0	528.0	529.0	530.0	527.0
1890.0	1802.6	1619.9	1523.4	1505.6	1553.8	1639.0	165°	538.8	537.8	538.8	539.8	537.8
2058.3	1955.1	1748.8	1652.4	1631.1	1705.2	1827.3	167.5°	548.1	548.7	550.6	552.5	550.6
2204.0	2125.5	1919.2	1802.6	1793.6	1873.2	2006.6	170°	554.5	555.5	557.9	560.5	558.5
2270.1	2262.2	2095.3	1987.6	1974.1	2048.1	2174.9	172.5°	556.9	557.5	558.9	560.5	557.5
2264.4	2329.6	2238.8	2162.5	2116.6	2178.2	2301.5	175°	558.5	557.5	558.9	560.5	557.5
2182.7	2289.2	2297.1	2279.1	2196.2	2200.6	2288.1	177.5°	563.3	563.3	564.9	566.3	563.3
2022.4	2149.0	2281.3	2275.8	2170.3	2077.3	2095.3	180°	565.3	565.3	565.3	565.3	565.3
1794.8	1903.5	2114.3	2156.9	2006.6	1832.9	1751.1						
1438.3	1564.9	1877.7	1937.1	1732.0	1487.6	1360.9						
992.1	1159.2	1639.0	1644.5	1405.8	1170.4	1033.6						
681.6	825.1	1325.1	1339.6	1115.4	887.9	770.2						
458.6	552.6	972.0	910.3	736.5	615.5	585.2						
289.3	344.2	610.9	570.6	485.4	443.9	455.1						
134.6	188.4	334.1	326.3	306.1	268.0	233.2						
3.3	10.2	64.9	42.6	42.6	24.6	8.9						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
1.0	1.0	1.0	1.0	1.0	1.0	1.0						
4.0	4.0	4.4	4.9	5.9	6.8	9.8						
24.5	25.5	26.1	26.5	27.9	29.5	30.5						
47.1	48.1	47.6	47.1	48.1	49.0	49.6						
67.7	69.7	68.7	67.7	68.7	69.7	69.7						
89.3	90.3	89.8	89.3	89.8	90.3	90.8						
110.9	111.9	111.4	110.9	111.4	111.9	111.9						



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CANDELA DISTRIBUTION (continued):

275°	280°	285°	290°	295°	300°		305°	310°	315°	325°	335°	340°
134.5	133.5	132.5	132.9	133.5	133.5	0°	783.6	783.6	783.6	783.6	783.6	783.6
157.0	156.0	155.0	155.0	155.0	155.0	2.5°	910.3	913.7	912.5	904.8	884.5	876.7
178.7	177.7	176.7	177.1	177.7	177.1	5°	1020.1	1025.8	1019.0	999.9	948.4	923.7
202.2	201.2	200.2	200.2	200.2	200.2	7.5°	1097.5	1102.0	1090.8	1047.1	955.1	913.7
228.7	226.7	224.8	224.3	223.8	223.8	10°	1112.1	1122.2	1109.9	1047.1	940.5	889.1
252.2	250.8	249.3	249.3	249.3	248.8	12.5°	1070.6	1091.9	1083.0	1036.9	933.8	878.9
275.8	274.3	272.8	272.4	271.8	272.4	15°	1006.7	1009.0	1014.5	1013.4	921.5	867.8
299.3	297.9	296.4	295.9	295.5	295.5	17.5°	936.0	933.8	940.5	961.8	918.2	875.6
322.9	321.4	320.0	319.4	319.0	319.0	20°	872.2	868.8	875.6	896.9	904.8	894.6
344.5	343.5	342.5	342.1	341.5	341.5	22.5°	831.8	820.6	819.4	850.9	911.4	938.3
367.0	365.1	363.2	362.6	362.2	362.2	25°	809.5	797.1	802.6	838.6	939.4	989.9
388.7	386.7	384.7	383.8	382.8	382.8	27.5°	802.6	789.3	797.1	837.4	968.6	1052.6
408.3	406.8	405.3	404.9	404.3	404.3	30°	807.1	793.7	797.1	845.2	983.1	1067.3
428.9	427.4	426.0	425.4	425.0	425.4	32.5°	833.0	809.5	807.1	868.8	1010.1	1099.7
447.5	446.1	444.6	444.1	443.7	444.6	35°	867.8	834.1	829.6	906.9	1044.8	1141.3
464.2	462.3	460.3	460.3	460.3	461.3	37.5°	926.1	884.5	877.7	970.8	1091.9	1176.0
480.0	478.4	477.0	477.0	477.0	477.4	40°	1004.5	962.9	962.9	1052.6	1155.8	1224.2
497.6	496.1	494.7	494.2	493.7	494.2	42.5°	1093.0	1066.1	1070.6	1151.3	1228.6	1284.8
513.3	510.9	508.4	507.9	507.5	508.4	45°	1210.7	1196.1	1218.6	1275.8	1302.6	1340.8
523.2	521.6	520.2	520.2	520.2	521.2	47.5°	1348.6	1360.9	1392.4	1410.2	1377.8	1397.9
530.0	529.0	528.0	529.0	530.0	531.0	50°	1521.3	1553.8	1584.0	1579.6	1470.9	1464.1
539.8	538.8	537.8	538.8	539.8	541.3	52.5°	1719.6	1762.3	1783.6	1758.9	1575.1	1535.8
552.5	550.6	548.7	548.1	547.7	548.7	55°	1921.5	1973.0	1966.3	1938.4	1688.3	1635.6
560.5	557.9	555.5	554.5	553.5	554.1	57.5°	2104.2	2144.5	2162.5	2101.9	1826.2	1756.6
560.5	558.9	557.5	556.9	556.5	557.5	60°	2248.7	2292.6	2292.6	2233.2	1976.5	1895.6
560.5	558.9	557.5	558.5	559.5	560.9	62.5°	2354.2	2389.0	2376.6	2319.4	2105.3	2043.6
566.3	564.9	563.3	563.3	563.3	564.9	65°	2346.4	2349.7	2336.2	2314.9	2182.7	2176.0
565.3	565.3	565.3	565.3	565.3	565.3	67.5°	2125.5	2126.6	2153.6	2144.5	2124.4	2207.3
						70°	1742.2	1760.0	1806.0	1792.6	1895.6	2066.1
						72.5°	1326.2	1337.4	1392.4	1380.0	1520.1	1707.4
						75°	965.2	964.2	987.7	969.7	1146.9	1355.4
						77.5°	743.3	723.0	718.6	720.8	812.8	985.4
						80°	599.8	599.8	593.0	568.4	497.8	576.3
						82.5°	478.7	459.7	426.0	377.7	319.4	340.7
						85°	238.8	232.0	202.8	168.2	140.1	186.1
						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°	12.8	10.8	8.8	4.0	3.0	2.4
						100°	31.4	30.5	29.5	21.6	13.7	11.8
						102.5°	50.0	49.6	49.0	44.2	37.3	34.3
						105°	69.7	69.2	68.7	64.8	59.8	57.4
						107.5°	91.3	90.3	89.3	86.3	82.5	80.5
						110°	111.9	110.9	110.0	108.0	104.0	102.6

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CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-7027-ULG

CANDELA DISTRIBUTION (continued):

342.5°	345°	347.5°	350°	352.5°		305°	310°	315°	325°	335°	340°	342.5°
783.6	783.6	783.6	783.6	783.6	112.5°	133.5	132.5	131.5	129.5	126.6	125.1	124.4
873.3	864.3	854.3	854.3	845.2	115°	155.0	154.1	153.1	151.2	148.2	147.2	146.7
909.2	891.2	876.7	863.2	849.8	117.5°	176.7	176.2	175.7	173.7	170.8	169.8	169.3
891.2	869.9	852.0	828.5	807.1	120°	200.2	199.2	198.3	197.3	194.3	193.3	192.9
864.3	840.7	815.0	790.3	760.1	122.5°	223.8	223.3	222.8	221.8	218.8	217.9	217.4
849.8	821.7	790.3	764.5	729.9	125°	248.3	247.8	247.3	246.3	243.4	242.9	242.6
838.6	809.5	781.3	756.7	726.4	127.5°	272.8	271.8	270.9	269.0	267.0	266.0	265.4
856.4	828.5	808.3	780.3	756.7	130°	295.5	294.5	293.5	292.5	288.5	288.1	287.7
886.8	869.9	854.3	836.3	817.3	132.5°	319.0	317.6	316.0	315.0	312.1	311.6	311.4
943.8	941.6	940.5	927.1	913.7	135°	341.5	340.1	338.6	338.6	334.7	333.7	333.2
1015.6	1024.7	1036.9	1036.9	1036.9	137.5°	362.2	361.2	360.2	360.2	357.3	356.8	356.4
1089.6	1112.1	1135.5	1145.7	1152.4	140°	382.8	382.3	381.8	380.8	378.8	378.4	378.1
1110.9	1143.5	1180.5	1205.2	1222.0	142.5°	404.3	403.4	402.4	402.4	399.5	399.9	400.3
1145.7	1182.7	1224.2	1252.1	1282.5	145°	426.0	425.0	424.0	423.0	420.0	420.0	420.0
1187.2	1219.7	1262.3	1300.4	1344.1	147.5°	445.6	445.1	444.6	443.7	439.7	439.2	438.9
1222.0	1264.5	1310.4	1359.9	1415.9	150°	462.3	461.8	461.3	460.3	456.4	455.9	455.6
1274.7	1319.5	1369.9	1436.1	1504.4	152.5°	478.0	477.4	477.0	476.0	473.0	473.6	473.9
1332.9	1381.1	1433.9	1500.0	1579.6	155°	494.7	494.2	493.7	493.7	491.7	492.2	492.5
1383.4	1426.0	1483.1	1551.6	1642.3	157.5°	509.4	509.4	509.4	509.4	506.5	506.9	507.3
1431.6	1470.9	1538.1	1607.6	1697.3	160°	522.2	522.2	522.2	522.2	519.2	519.2	519.2
1495.5	1525.7	1593.1	1672.6	1767.9	162.5°	532.0	531.4	531.0	531.0	528.0	528.6	528.8
1561.6	1603.0	1677.0	1767.9	1874.3	165°	542.8	542.3	541.8	541.8	537.8	538.4	538.6
1651.4	1700.6	1791.4	1894.5	2029.1	167.5°	549.7	549.7	549.7	550.6	547.7	548.1	548.4
1774.6	1826.2	1922.6	2038.1	2176.0	170°	554.5	555.1	555.5	556.5	554.5	555.1	555.3
1926.0	1976.5	2059.4	2173.7	2302.6	172.5°	558.5	557.9	557.5	558.5	556.5	557.5	557.9
2067.2	2136.7	2211.8	2297.1	2399.0	175°	562.4	561.9	561.4	561.4	558.5	558.9	559.3
2220.8	2274.6	2337.4	2369.9	2427.0	177.5°	566.3	566.3	566.3	567.3	563.3	563.9	564.1
2265.6	2310.5	2365.3	2365.3	2358.7	180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3
2133.4	2201.7	2250.0	2250.0	2192.8								
1855.3	1969.6	2016.8	2045.9	1973.0								
1507.9	1650.2	1727.5	1752.1	1619.9								
1106.4	1197.4	1207.3	1210.7	1032.5								
637.9	709.6	735.4	772.5	618.8								
369.9	396.8	440.6	456.2	376.7								
207.4	209.7	209.7	193.9	158.0								
0.0	0.0	0.0	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								
10.8	9.8	9.3	8.8	8.4								
32.9	31.4	30.5	29.5	28.5								
56.1	55.0	54.4	54.0	53.4								
79.5	78.5	77.7	77.1	76.4								
101.9	101.1	100.9	100.6	100.3								

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CANDELA DISTRIBUTION (continued):

345°	347.5°	350°	352.5°		355°	359°	360°
123.7	123.2	122.7	122.2	0°	783.6	783.6	783.6
146.2	145.7	145.3	144.8	2.5°	843.0	829.6	831.8
168.8	168.3	167.8	167.4	5°	830.8	811.6	804.9
192.3	192.1	191.9	191.6	7.5°	788.2	755.6	745.5
216.9	216.7	216.4	216.1	10°	736.5	695.1	687.2
242.5	242.3	241.9	241.6	12.5°	707.3	660.3	650.2
265.0	264.8	264.6	264.2	15°	698.4	653.6	642.4
287.5	287.4	287.1	286.8	17.5°	725.3	677.1	663.7
311.2	310.4	309.6	308.9	20°	786.9	729.9	714.2
332.7	332.2	331.7	331.3	22.5°	878.9	813.9	794.8
356.3	355.5	354.8	354.1	25°	1003.4	929.4	910.3
377.8	377.4	376.9	376.4	27.5°	1131.1	1042.6	1017.9
400.5	399.9	399.5	398.9	30°	1205.2	1123.3	1098.5
420.0	419.6	419.1	418.6	32.5°	1280.3	1201.8	1172.6
438.7	437.9	437.3	436.6	35°	1359.9	1280.3	1251.1
455.4	454.9	454.5	453.9	37.5°	1452.9	1385.6	1359.9
474.0	473.2	472.6	471.9	40°	1563.9	1502.1	1465.1
492.7	492.2	491.7	491.2	42.5°	1655.8	1598.6	1563.9
507.5	506.9	506.5	505.9	45°	1723.1	1674.8	1639.0
519.2	518.7	518.2	517.7	47.5°	1784.8	1747.7	1711.8
529.0	528.2	527.6	526.9	50°	1862.1	1830.7	1806.0
538.8	538.4	537.8	537.4	52.5°	1966.3	1955.1	1933.8
548.7	547.9	547.2	546.5	55°	2119.9	2144.5	2114.3
555.5	554.7	554.1	553.4	57.5°	2265.6	2283.5	2270.1
558.5	557.7	556.9	556.3	60°	2380.0	2355.3	2338.5
559.5	559.3	558.9	558.7	62.5°	2438.3	2377.7	2349.7
564.3	563.9	563.3	562.9	65°	2441.6	2348.6	2305.9
565.3	565.3	565.3	565.3	67.5°	2365.3	2256.6	2207.3
				70°	2160.2	2034.8	1969.6
				72.5°	1814.9	1622.2	1578.4
				75°	1330.7	1094.1	1068.4
				77.5°	806.0	628.9	595.3
				80°	454.0	361.0	349.8
				82.5°	257.8	202.8	214.2
				85°	105.4	52.7	58.3
				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°	7.8	7.8	7.8
				102.5°	27.5	27.5	27.5
				105°	53.0	53.0	53.0
				107.5°	75.5	76.4	76.5
				110°	100.1	99.4	99.2

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CANDELA DISTRIBUTION (continued):

	355°	359°	360°
112.5°	121.7	121.7	121.7
115°	144.3	143.5	143.3
117.5°	166.8	166.1	165.8
120°	191.4	189.8	189.5
122.5°	216.0	215.1	215.0
125°	241.5	239.8	239.5
127.5°	264.0	262.5	262.0
130°	286.6	285.0	284.7
132.5°	308.2	307.4	307.2
135°	330.8	329.9	329.8
137.5°	353.3	352.6	352.3
140°	375.9	375.1	375.0
142.5°	398.5	396.9	396.5
145°	418.1	417.4	417.2
147.5°	435.8	435.8	435.8
150°	453.5	452.7	452.5
152.5°	471.1	470.4	470.2
155°	490.7	489.9	489.8
157.5°	505.5	503.9	503.5
160°	517.2	515.6	515.3
162.5°	526.0	525.3	525.1
165°	536.8	536.1	535.9
167.5°	545.7	544.9	544.7
170°	552.5	551.8	551.6
172.5°	555.5	554.7	554.5
175°	558.5	556.9	556.5
177.5°	562.4	561.6	561.4
180°	565.3	565.3	565.3

(END OF REPORT)