

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: P228641

Luminaire Tested: **ISC-AF-600-LED-E1-SLR-8030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228641
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-8030-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) 3000K CCT, 80 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4086.2 lumens
Efficiency: N/A
Efficacy: 81.1 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

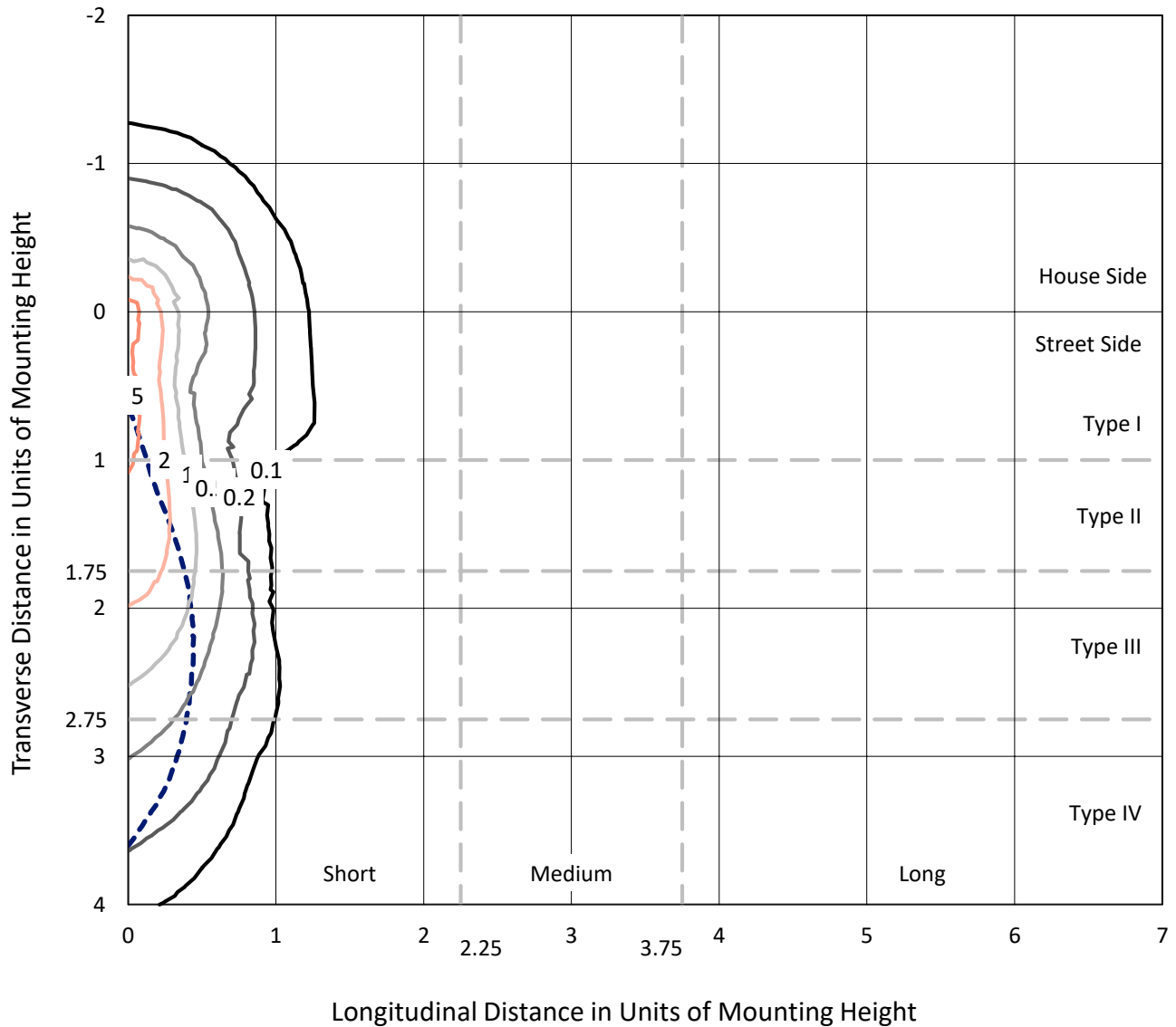


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

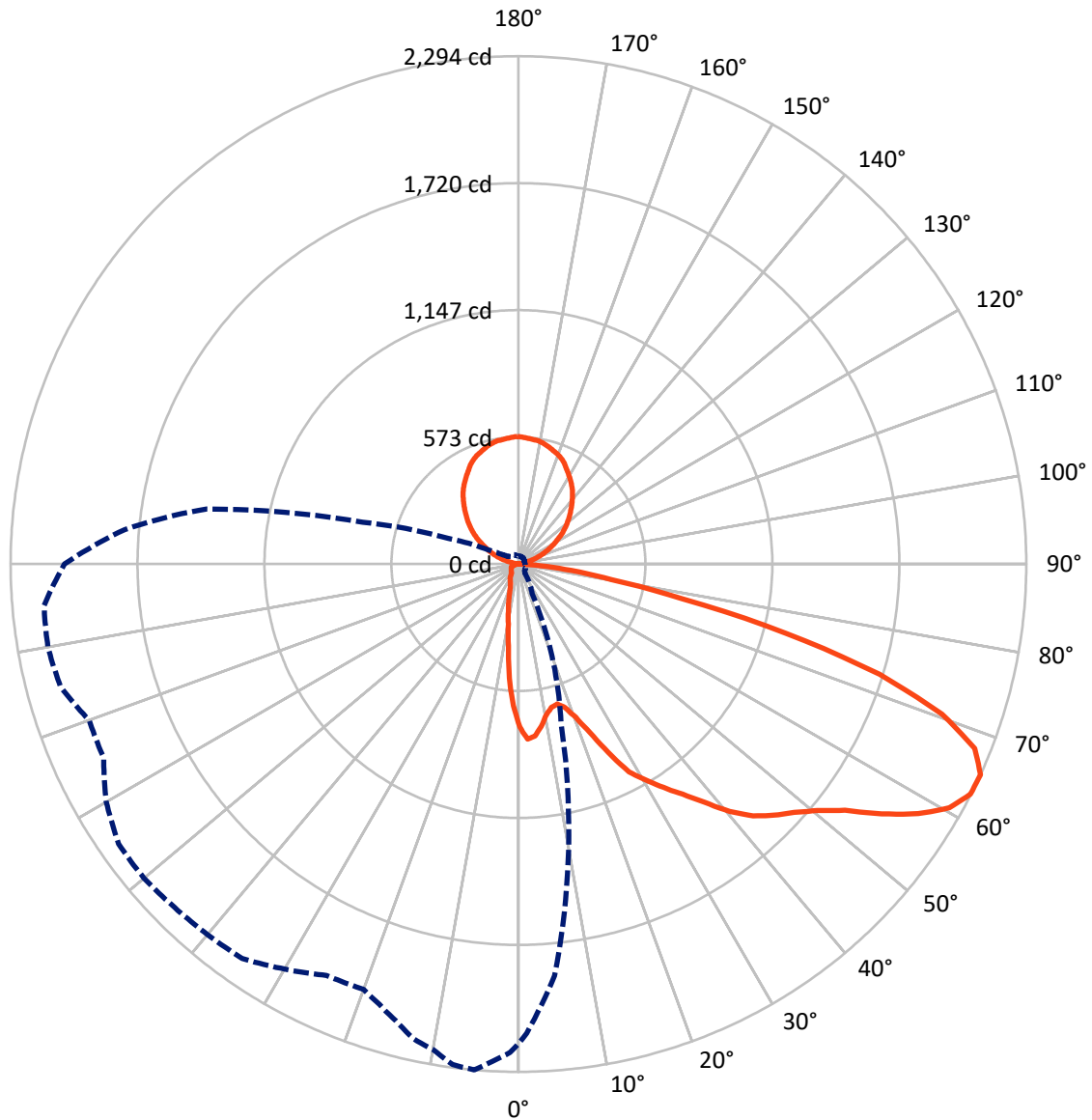


Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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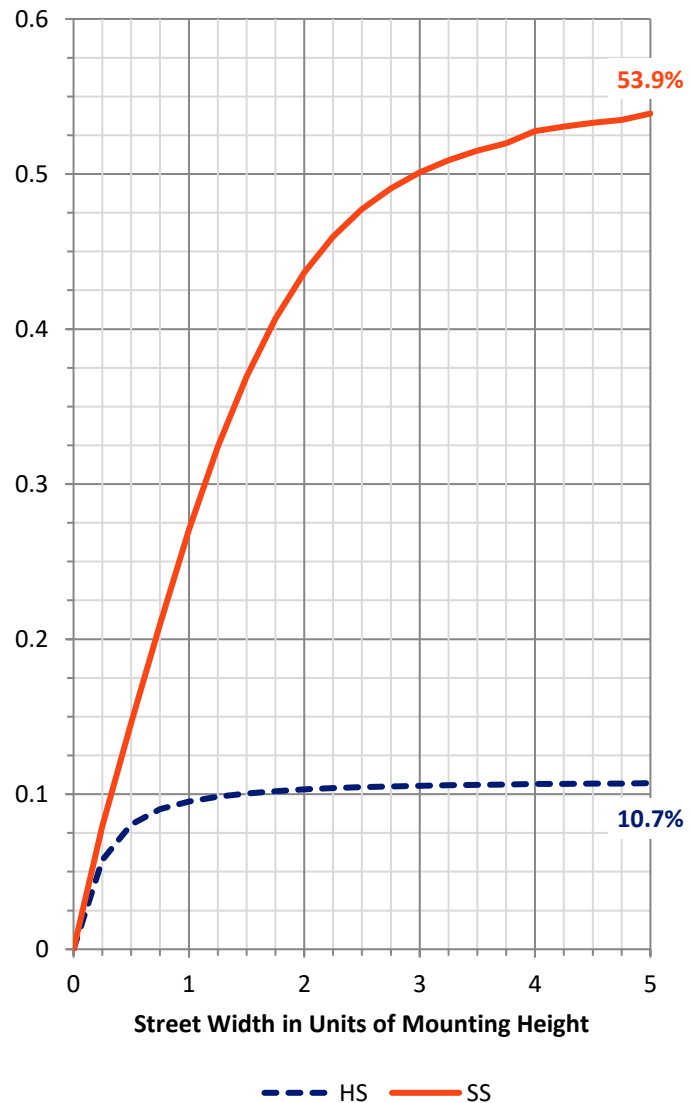
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	442.3	713.1	1155.4
	% Fixture	10.8	17.5	28.3
Street Side	Lumens	2217.7	713.1	2930.8
	% Fixture	54.3	17.5	71.7
Total	Lumens	2660.0	1426.2	4086.2
	% Fixture	65.1	34.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	1.4
10°-20°	116.5	2.9
20°-30°	169.3	4.1
30°-40°	250.4	6.1
40°-50°	364.9	8.9
50°-60°	546.9	13.4
60°-70°	681.6	16.7
70°-80°	399.2	9.8
80°-90°	74.7	1.8
90°-100°	4.7	0.1
100°-110°	69.0	1.7
110°-120°	153.0	3.7
120°-130°	223.9	5.5
130°-140°	265.6	6.5
140°-150°	269.3	6.6
150°-160°	231.1	5.7
160°-170°	155.1	3.8
170°-180°	54.3	1.3
0°-90°	2660.0	65.1
0°-180°	4086.2	100.0



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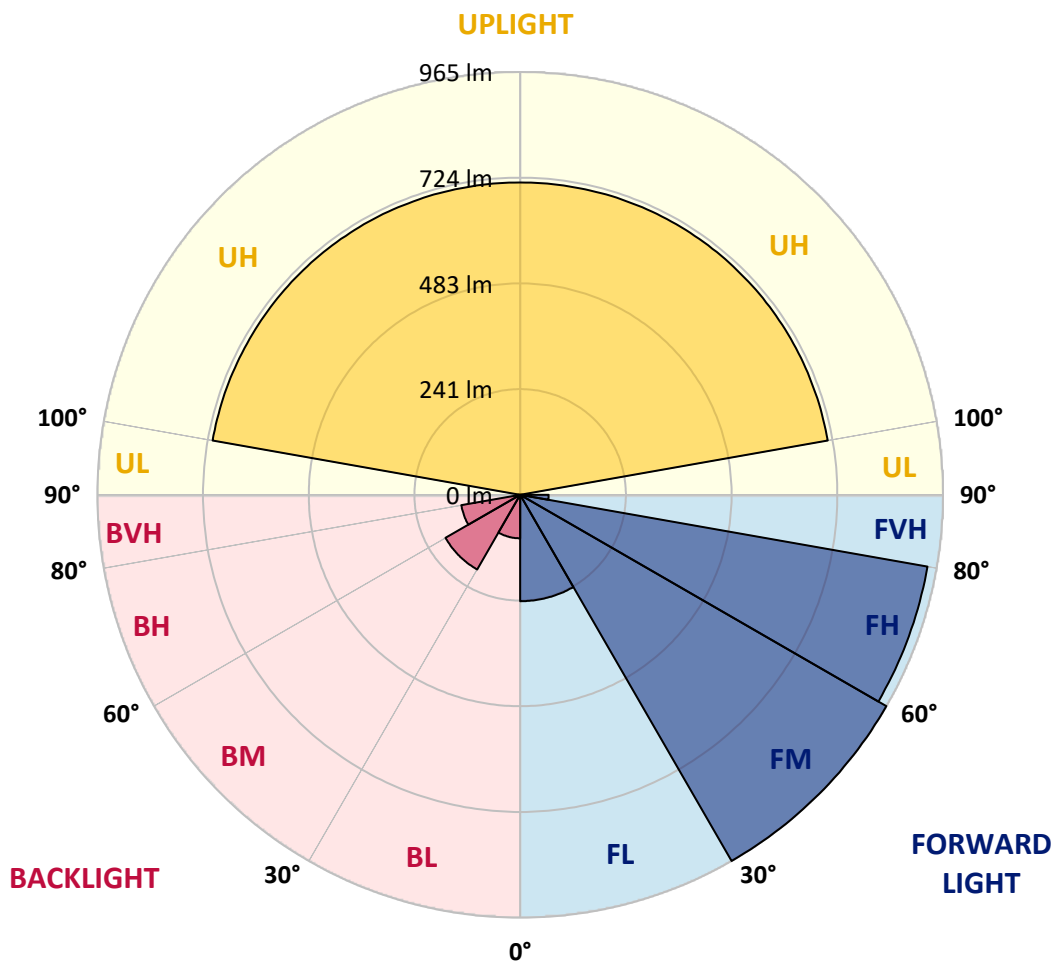
CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-8030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	243.0	5.9			
FM	(30°-60°)	965.4	23.6			
FH	(60°-80°)	944.3	23.1			G1/1800
FVH	(80°-90°)	65.0	1.6			G1/100
BL	(0°-30°)	99.3	2.4	B0/110		
BM	(30°-60°)	196.9	4.8	B0/220		
BH	(60°-80°)	136.5	3.3	B1/500		G1/500
BVH	(80°-90°)	9.6	0.2			G0/10
UL	(90°-100°)	4.7	0.1		U1/10	
UH	(100°-180°)	713.1	17.5		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°	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1
2.5°	781.4	775.1	762.5	737.2	710.9	685.6	681.4	671.9	672.9	667.7	665.6
5°	756.1	747.7	721.4	668.7	623.4	577.1	573.9	555.0	557.1	545.5	539.2
7.5°	700.3	688.7	659.2	586.6	523.4	462.3	456.0	433.9	430.7	419.1	409.7
10°	645.6	634.0	597.1	513.9	441.3	396.0	388.6	378.1	369.6	364.4	354.9
12.5°	610.8	604.5	560.3	464.4	407.6	370.7	361.2	350.7	342.3	332.8	323.3
15°	603.4	590.8	545.5	448.6	382.3	337.0	325.4	313.8	304.4	294.9	281.2
17.5°	623.4	610.8	560.3	441.3	353.8	299.1	284.3	268.5	259.1	247.5	232.7
20°	670.8	650.8	588.7	430.7	323.3	254.9	237.0	218.0	207.5	187.5	176.9
22.5°	746.7	721.4	637.1	430.7	294.9	208.5	188.5	171.7	160.1	142.2	130.6
25°	855.1	833.0	716.1	442.3	269.6	169.6	149.5	132.7	121.1	108.5	101.1
27.5°	956.2	921.5	800.4	459.2	249.6	142.2	122.2	108.5	100.0	93.7	89.5
30°	1032.1	1003.6	874.1	470.7	220.1	119.0	106.4	97.9	93.7	90.6	88.5
32.5°	1101.6	1068.9	926.7	478.1	202.2	101.1	89.5	83.2	79.0	74.8	73.7
35°	1175.3	1143.7	988.9	477.1	190.6	92.7	81.1	73.7	69.5	68.5	66.3
37.5°	1277.4	1234.3	1060.5	477.1	186.4	89.5	75.8	68.5	65.3	63.2	62.1
40°	1376.4	1328.0	1139.5	480.2	182.2	87.4	75.8	68.5	63.2	61.1	59.0
42.5°	1469.1	1415.4	1211.1	485.5	180.1	81.1	71.6	67.4	65.3	61.1	57.9
45°	1539.7	1497.5	1266.9	496.0	180.1	76.9	67.4	64.2	63.2	63.2	62.1
47.5°	1608.1	1560.7	1331.1	516.0	183.2	73.7	64.2	60.0	60.0	60.0	61.1
50°	1696.6	1640.8	1419.6	557.1	183.2	72.7	61.1	56.9	55.8	57.9	57.9
52.5°	1816.6	1776.6	1549.1	616.1	181.1	71.6	60.0	53.7	52.7	53.7	55.8
55°	1986.2	1940.9	1706.0	688.7	179.0	69.5	57.9	52.7	50.5	49.5	50.5
57.5°	2132.6	2093.6	1850.3	746.7	173.8	64.2	55.8	51.6	48.4	47.4	46.3
60°	2196.8	2164.2	1943.0	785.6	164.3	59.0	52.7	49.5	46.3	45.3	44.2
62.5°	2207.3	2166.3	1944.0	794.0	153.8	53.7	49.5	46.3	44.2	43.2	42.1
65°	2166.3	2119.9	1867.2	742.4	145.3	53.7	47.4	44.2	41.1	40.0	39.0
67.5°	2073.6	2002.0	1672.3	629.8	138.0	54.8	46.3	41.1	39.0	37.9	36.9
70°	1850.3	1770.3	1412.2	500.2	134.8	55.8	46.3	39.0	35.8	34.8	34.8
72.5°	1482.8	1391.2	1101.6	377.0	129.5	56.9	45.3	36.9	33.7	31.6	31.6
75°	1003.6	923.6	746.7	254.9	107.4	49.5	41.1	33.7	29.5	27.4	26.3
77.5°	559.2	532.9	475.0	134.8	68.5	36.9	31.6	27.4	24.2	23.2	22.1
80°	328.6	314.9	280.1	74.8	42.1	21.1	19.0	17.9	15.8	15.8	15.8
82.5°	201.1	187.5	173.8	33.7	20.0	10.5	10.5	8.4	8.4	7.4	7.4
85°	54.8	50.5	70.6	7.4	2.1	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



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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



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CANDELA DISTRIBUTION (continued):

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
0°	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1
2.5°	657.1	655.0	655.0	639.2	639.2	630.8	628.7	628.7	631.9	629.8	617.1
5°	528.7	522.3	518.1	499.2	493.9	484.4	480.2	479.2	482.3	477.1	460.2
7.5°	398.1	392.8	386.5	371.7	365.4	364.4	351.7	348.6	346.5	342.3	331.7
10°	347.5	340.2	334.9	324.4	317.0	311.7	301.2	295.9	291.7	285.4	282.2
12.5°	312.8	305.4	298.0	284.3	274.9	268.5	262.2	251.7	247.5	240.1	235.9
15°	269.6	261.2	252.7	238.0	225.4	219.0	206.4	200.1	195.9	187.5	183.2
17.5°	216.9	205.4	195.9	182.2	175.9	165.3	158.0	147.4	139.0	135.9	132.7
20°	163.2	152.7	144.3	132.7	126.4	117.9	113.7	106.4	102.2	100.0	97.9
22.5°	120.1	111.6	106.4	100.0	96.9	93.7	91.6	89.5	87.4	86.4	86.4
25°	94.8	91.6	89.5	87.4	86.4	85.3	83.2	82.1	81.1	80.0	80.0
27.5°	86.4	84.2	83.2	82.1	81.1	79.0	79.0	76.9	75.8	75.8	74.8
30°	87.4	87.4	87.4	85.3	84.2	82.1	81.1	77.9	75.8	73.7	72.7
32.5°	71.6	71.6	70.6	68.5	67.4	66.3	66.3	64.2	63.2	63.2	65.3
35°	65.3	64.2	63.2	61.1	60.0	57.9	56.9	55.8	54.8	53.7	53.7
37.5°	62.1	61.1	60.0	57.9	56.9	55.8	54.8	52.7	51.6	51.6	50.5
40°	59.0	59.0	59.0	56.9	55.8	53.7	52.7	51.6	50.5	49.5	49.5
42.5°	56.9	56.9	56.9	55.8	54.8	53.7	51.6	50.5	49.5	48.4	47.4
45°	57.9	56.9	56.9	55.8	54.8	52.7	51.6	49.5	48.4	47.4	46.3
47.5°	62.1	61.1	59.0	56.9	54.8	52.7	50.5	48.4	47.4	46.3	45.3
50°	59.0	63.2	64.2	61.1	55.8	52.7	50.5	48.4	46.3	45.3	44.2
52.5°	57.9	59.0	63.2	63.2	57.9	53.7	50.5	48.4	46.3	44.2	43.2
55°	52.7	55.8	56.9	57.9	56.9	52.7	49.5	46.3	45.3	43.2	41.1
57.5°	46.3	48.4	49.5	51.6	52.7	51.6	47.4	44.2	43.2	41.1	39.0
60°	43.2	43.2	43.2	44.2	49.5	53.7	49.5	43.2	40.0	39.0	36.9
62.5°	40.0	40.0	39.0	40.0	41.1	46.3	45.3	41.1	39.0	37.9	35.8
65°	39.0	37.9	36.9	36.9	36.9	36.9	36.9	36.9	35.8	35.8	34.8
67.5°	35.8	34.8	34.8	33.7	33.7	33.7	33.7	33.7	32.6	32.6	31.6
70°	33.7	32.6	31.6	31.6	31.6	30.5	30.5	30.5	29.5	29.5	29.5
72.5°	30.5	29.5	29.5	29.5	28.4	28.4	28.4	27.4	27.4	26.3	26.3
75°	26.3	26.3	25.3	25.3	25.3	24.2	24.2	24.2	24.2	23.2	23.2
77.5°	22.1	21.1	22.1	21.1	21.1	21.1	21.1	21.1	20.0	20.0	19.0
80°	14.7	14.7	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7
82.5°	8.4	7.4	8.4	8.4	8.4	9.5	9.5	10.5	9.5	9.5	8.4
85°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.1	2.1	2.1	2.1
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



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CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-8030-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: P228641

CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1
2.5°	623.4	622.4	611.9	614.0	610.8	604.5	605.5	606.6	608.7	604.5	602.4
5°	468.6	469.7	456.0	460.2	457.1	456.0	459.2	464.4	467.6	466.5	463.4
7.5°	332.8	333.8	322.3	321.2	318.0	317.0	321.2	326.5	329.6	328.6	329.6
10°	274.9	271.7	261.2	253.8	246.4	240.1	239.1	239.1	239.1	237.0	234.8
12.5°	227.5	224.3	211.7	205.4	199.0	190.6	189.6	188.5	185.3	182.2	178.0
15°	176.9	173.8	163.2	159.0	153.8	150.6	149.5	149.5	147.4	145.3	143.2
17.5°	128.5	126.4	120.1	115.8	114.8	115.8	116.9	119.0	120.1	121.1	121.1
20°	96.9	95.8	93.7	93.7	94.8	97.9	99.0	102.2	103.2	105.3	107.4
22.5°	85.3	85.3	84.2	84.2	86.4	89.5	91.6	92.7	93.7	94.8	94.8
25°	79.0	79.0	77.9	80.0	83.2	83.2	83.2	83.2	81.1	80.0	80.0
27.5°	74.8	74.8	74.8	75.8	74.8	73.7	73.7	73.7	72.7	72.7	71.6
30°	71.6	71.6	71.6	70.6	70.6	69.5	69.5	68.5	68.5	67.4	67.4
32.5°	66.3	64.2	66.3	64.2	64.2	63.2	64.2	64.2	62.1	62.1	62.1
35°	52.7	51.6	51.6	51.6	50.5	51.6	53.7	53.7	53.7	53.7	53.7
37.5°	49.5	49.5	48.4	47.4	47.4	46.3	47.4	46.3	46.3	46.3	47.4
40°	48.4	47.4	46.3	46.3	45.3	44.2	44.2	44.2	44.2	44.2	44.2
42.5°	46.3	46.3	44.2	43.2	43.2	42.1	42.1	42.1	42.1	42.1	42.1
45°	45.3	44.2	43.2	42.1	41.1	41.1	41.1	41.1	41.1	41.1	40.0
47.5°	44.2	43.2	42.1	41.1	40.0	39.0	39.0	39.0	39.0	39.0	39.0
50°	43.2	42.1	40.0	40.0	39.0	37.9	37.9	37.9	37.9	37.9	37.9
52.5°	41.1	41.1	39.0	37.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
55°	39.0	39.0	36.9	35.8	34.8	34.8	34.8	34.8	35.8	35.8	35.8
57.5°	37.9	36.9	34.8	34.8	32.6	32.6	32.6	33.7	33.7	34.8	34.8
60°	35.8	34.8	33.7	32.6	32.6	31.6	31.6	31.6	31.6	32.6	32.6
62.5°	34.8	33.7	31.6	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
65°	32.6	32.6	30.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
67.5°	30.5	30.5	28.4	27.4	27.4	27.4	28.4	27.4	27.4	27.4	27.4
70°	28.4	27.4	26.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
72.5°	25.3	25.3	24.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	24.2
75°	22.1	21.1	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
77.5°	19.0	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	17.9
80°	13.7	12.6	12.6	12.6	12.6	13.7	13.7	13.7	13.7	13.7	13.7
82.5°	8.4	7.4	7.4	7.4	8.4	9.5	9.5	9.5	9.5	10.5	10.5
85°	2.1	2.1	2.1	2.1	4.2	5.3	5.3	5.3	6.3	5.3	5.3
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°	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: P228641
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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°	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: P228641
 NUMBER: ISC-AF-600-LED-E1-SLR-8030-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°
736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	112.5°	136.0
600.3	612.9	612.9	604.5	608.7	604.5	603.4	610.8	615.0	628.7	637.1	115°	158.0
464.4	480.2	481.3	477.1	482.3	479.2	482.3	491.8	499.2	508.7	517.1	117.5°	181.0
331.7	346.5	349.6	346.5	356.0	354.9	357.0	367.5	373.9	379.1	380.2	120°	204.0
233.8	235.9	244.3	242.2	248.5	247.5	250.6	259.1	267.5	270.7	272.8	122.5°	228.0
175.9	173.8	176.9	172.7	175.9	175.9	176.9	182.2	192.7	196.9	207.5	125°	254.0
142.2	140.1	140.1	138.0	138.0	136.9	138.0	142.2	149.5	155.9	164.3	127.5°	277.0
121.1	121.1	121.1	120.1	119.0	119.0	120.1	122.2	126.4	130.6	134.8	130°	301.0
108.5	110.6	111.6	112.7	113.7	114.8	115.8	119.0	117.9	113.7	108.5	132.5°	325.0
94.8	94.8	95.8	95.8	94.8	94.8	94.8	94.8	94.8	97.9	101.1	135°	348.0
79.0	79.0	79.0	80.0	79.0	79.0	80.0	80.0	81.1	83.2	86.4	137.5°	369.0
71.6	71.6	71.6	71.6	71.6	71.6	71.6	72.7	73.7	76.9	79.0	140°	390.0
66.3	66.3	65.3	65.3	65.3	64.2	65.3	65.3	66.3	70.6	73.7	142.5°	412.0
61.1	60.0	60.0	60.0	59.0	59.0	59.0	61.1	62.1	64.2	67.4	145°	433.0
53.7	53.7	53.7	54.8	54.8	54.8	54.8	56.9	56.9	57.9	57.9	147.5°	452.0
48.4	48.4	49.5	50.5	50.5	51.6	51.6	52.7	53.7	52.7	51.6	150°	469.0
44.2	45.3	45.3	47.4	47.4	47.4	48.4	49.5	50.5	48.4	48.4	152.5°	486.0
42.1	42.1	42.1	43.2	43.2	43.2	44.2	45.3	46.3	46.3	46.3	155°	503.0
40.0	40.0	40.0	41.1	40.0	40.0	40.0	41.1	43.2	43.2	44.2	157.5°	517.0
39.0	39.0	39.0	37.9	37.9	37.9	37.9	39.0	40.0	42.1	43.2	160°	530.0
37.9	36.9	36.9	36.9	36.9	36.9	36.9	37.9	39.0	40.0	42.1	162.5°	540.0
35.8	35.8	35.8	35.8	35.8	35.8	35.8	36.9	37.9	39.0	40.0	165°	550.0
35.8	35.8	34.8	34.8	35.8	35.8	35.8	36.9	37.9	39.0	39.0	167.5°	558.0
34.8	33.7	33.7	34.8	34.8	34.8	34.8	35.8	36.9	37.9	37.9	170°	564.0
32.6	32.6	32.6	32.6	33.7	33.7	34.8	35.8	35.8	36.9	36.9	172.5°	567.0
30.5	31.6	31.6	31.6	32.6	32.6	33.7	34.8	35.8	36.9	35.8	175°	570.0
29.5	30.5	30.5	30.5	31.6	31.6	31.6	33.7	34.8	34.8	35.8	177.5°	574.0
28.4	28.4	28.4	29.5	29.5	30.5	30.5	32.6	32.6	33.7	34.8	180°	576.0
26.3	26.3	26.3	27.4	27.4	28.4	29.5	30.5	30.5	31.6	32.6		
24.2	24.2	24.2	25.3	25.3	26.3	27.4	29.5	28.4	29.5	29.5		
21.1	21.1	22.1	22.1	23.2	24.2	25.3	25.3	25.3	25.3	25.3		
17.9	17.9	19.0	19.0	20.0	21.1	21.1	21.1	22.1	21.1	21.1		
14.7	14.7	15.8	15.8	15.8	15.8	16.8	15.8	16.8	15.8	16.8		
10.5	10.5	11.6	10.5	11.6	10.5	10.5	9.5	11.6	10.5	10.5		
4.2	5.3	5.3	5.3	5.3	4.2	4.2	3.2	4.2	4.2	3.2		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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		

'228641
 ISC-AF-600-LED-E1-SLR-8030-ULG

REPORT NUMBER: P228641
 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°	736.1	736.1
158.0	158.0	158.0	158.0	157.5	157.0	156.0	154.0	151.0	149.0	2.5°	640.3	639.2
180.8	180.5	180.2	180.0	179.8	179.5	179.0	177.0	174.0	172.0	5°	518.1	516.0
204.0	204.0	204.0	204.0	203.5	203.0	202.0	201.0	198.0	196.0	7.5°	370.7	366.5
228.0	228.0	228.0	228.0	227.8	227.5	227.0	226.0	223.0	221.0	10°	273.8	277.0
253.8	253.5	253.2	253.0	252.8	252.5	252.0	251.0	248.0	247.0	12.5°	219.0	231.7
277.2	277.5	277.8	278.0	277.5	277.0	276.0	274.0	272.0	270.0	15°	175.9	183.2
301.0	301.0	301.0	301.0	300.5	300.0	299.0	298.0	294.0	293.0	17.5°	135.9	139.0
325.0	325.0	325.0	325.0	324.2	323.5	322.0	321.0	318.0	317.0	20°	108.5	108.5
348.0	348.0	348.0	348.0	347.2	346.5	345.0	345.0	341.0	339.0	22.5°	94.8	93.7
369.0	369.0	369.0	369.0	368.5	368.0	367.0	367.0	364.0	363.0	25°	89.5	88.5
390.0	390.0	390.0	390.0	389.8	389.5	389.0	388.0	386.0	385.0	27.5°	81.1	82.1
412.0	412.0	412.0	412.0	411.5	411.0	410.0	410.0	407.0	408.0	30°	75.8	76.9
433.2	433.5	433.8	434.0	433.5	433.0	432.0	431.0	428.0	428.0	32.5°	69.5	70.6
452.5	453.0	453.5	454.0	453.8	453.5	453.0	452.0	448.0	447.0	35°	56.9	56.9
469.5	470.0	470.5	471.0	470.8	470.5	470.0	469.0	465.0	464.0	37.5°	52.7	52.7
486.2	486.5	486.8	487.0	486.8	486.5	486.0	485.0	482.0	483.0	40°	49.5	50.5
503.2	503.5	503.8	504.0	503.8	503.5	503.0	503.0	501.0	502.0	42.5°	47.4	47.4
517.5	518.0	518.5	519.0	519.0	519.0	519.0	519.0	516.0	517.0	45°	45.3	46.3
530.5	531.0	531.5	532.0	532.0	532.0	532.0	532.0	529.0	529.0	47.5°	44.2	44.2
540.5	541.0	541.5	542.0	541.8	541.5	541.0	541.0	538.0	539.0	50°	42.1	43.2
550.8	551.5	552.2	553.0	552.8	552.5	552.0	552.0	548.0	549.0	52.5°	41.1	42.1
558.5	559.0	559.5	560.0	560.0	560.0	560.0	561.0	558.0	559.0	55°	40.0	40.0
564.2	564.5	564.8	565.0	565.2	565.5	566.0	567.0	565.0	566.0	57.5°	37.9	39.0
567.5	568.0	568.5	569.0	568.8	568.5	568.0	569.0	567.0	569.0	60°	37.9	37.9
570.8	571.5	572.2	573.0	572.8	572.5	572.0	572.0	569.0	570.0	62.5°	36.9	36.9
574.8	575.5	576.2	577.0	577.0	577.0	577.0	578.0	574.0	575.0	65°	35.8	35.8
576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	67.5°	33.7	33.7
										70°	31.6	31.6
										72.5°	29.5	28.4
										75°	25.3	25.3
										77.5°	21.1	21.1
										80°	15.8	14.7
										82.5°	9.5	8.4
										85°	3.2	3.2
										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

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0-LED-E1-SLR-8030-ULG

tinued):

CANDELA DISTRIBUTION (continued):

185°	195°	205°	215°	225°	230°	235°	240°	245°		175°	180°	185°
736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	736.1	112.5°	124.0	124.0	124.0
655.0	666.6	674.0	702.4	715.1	730.9	738.2	748.8	759.3	115°	147.0	146.0	147.0
535.0	549.7	562.4	603.4	627.7	649.8	667.7	684.5	708.7	117.5°	170.0	169.0	170.0
379.1	391.8	408.6	452.8	495.0	524.5	550.8	579.2	610.8	120°	195.0	193.0	195.0
289.6	308.6	330.7	364.4	398.1	419.1	442.3	473.9	511.8	122.5°	220.0	219.0	220.0
242.2	265.4	291.7	329.6	365.4	382.3	399.1	414.9	434.9	125°	246.0	244.0	246.0
191.7	213.8	245.4	289.6	331.7	350.7	370.7	389.7	407.6	127.5°	269.0	267.0	269.0
143.2	159.0	187.5	240.1	286.4	310.7	333.8	360.2	384.4	130°	292.0	290.0	292.0
109.5	116.9	136.9	178.0	234.8	265.4	294.9	328.6	363.3	132.5°	314.0	313.0	314.0
94.8	97.9	107.4	131.6	183.2	219.0	257.0	299.1	342.3	135°	337.0	336.0	337.0
87.4	89.5	94.8	106.4	143.2	181.1	220.1	270.7	323.3	137.5°	360.0	359.0	360.0
83.2	85.3	89.5	95.8	119.0	147.4	190.6	246.4	309.6	140°	383.0	382.0	383.0
77.9	80.0	87.4	94.8	108.5	126.4	163.2	218.0	288.6	142.5°	406.0	404.0	406.0
71.6	72.7	74.8	83.2	92.7	107.4	139.0	192.7	266.4	145°	426.0	425.0	426.0
57.9	61.1	65.3	73.7	83.2	94.8	124.3	175.9	252.7	147.5°	444.0	444.0	444.0
53.7	56.9	61.1	68.5	76.9	87.4	117.9	169.6	240.1	150°	462.0	461.0	462.0
50.5	53.7	57.9	66.3	71.6	84.2	114.8	160.1	227.5	152.5°	480.0	479.0	480.0
48.4	51.6	56.9	63.2	70.6	82.1	106.4	151.6	220.1	155°	500.0	499.0	500.0
46.3	49.5	55.8	61.1	71.6	77.9	101.1	145.3	213.8	157.5°	515.0	513.0	515.0
45.3	48.4	54.8	62.1	69.5	73.7	95.8	140.1	208.5	160°	527.0	525.0	527.0
44.2	47.4	53.7	68.5	66.3	70.6	91.6	135.9	205.4	162.5°	536.0	535.0	536.0
43.2	46.3	53.7	69.5	64.2	66.3	88.5	131.6	203.3	165°	547.0	546.0	547.0
41.1	45.3	53.7	64.2	60.0	64.2	82.1	125.3	198.0	167.5°	556.0	555.0	556.0
40.0	43.2	52.7	59.0	56.9	61.1	75.8	114.8	190.6	170°	563.0	562.0	563.0
39.0	42.1	52.7	52.7	53.7	57.9	68.5	102.2	178.0	172.5°	566.0	565.0	566.0
37.9	42.1	53.7	47.4	50.5	54.8	63.2	91.6	162.2	175°	569.0	567.0	569.0
36.9	40.0	46.3	45.3	48.4	51.6	61.1	84.2	148.5	177.5°	573.0	572.0	573.0
34.8	37.9	41.1	42.1	46.3	49.5	60.0	83.2	135.9	180°	576.0	576.0	576.0
31.6	34.8	36.9	40.0	43.2	47.4	60.0	82.1	126.4				
29.5	31.6	33.7	35.8	39.0	44.2	59.0	83.2	122.2				
25.3	27.4	29.5	31.6	34.8	41.1	55.8	77.9	109.5				
20.0	23.2	25.3	26.3	29.5	35.8	48.4	66.3	88.5				
14.7	17.9	19.0	21.1	23.2	27.4	37.9	48.4	65.3				
8.4	11.6	12.6	13.7	17.9	20.0	25.3	31.6	44.2				
3.2	5.3	6.3	7.4	10.5	11.6	15.8	20.0	23.2				
0.0	0.0	0.0	0.0	2.1	3.2	5.3	6.3	5.3				
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				
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				



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SLR-8030-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°	736.1	736.1	736.1	736.1
149.0	151.0	154.0	156.0	157.0	158.0	158.0	158.0	2.5°	771.9	782.5	796.2	808.8
172.0	174.0	177.0	179.0	179.5	180.0	180.5	181.0	5°	727.7	747.7	777.2	801.4
196.0	198.0	201.0	202.0	203.0	204.0	204.0	204.0	7.5°	638.2	665.6	702.4	736.1
221.0	223.0	226.0	227.0	227.5	228.0	228.0	228.0	10°	544.5	582.4	621.3	664.5
247.0	248.0	251.0	252.0	252.5	253.0	253.5	254.0	12.5°	467.6	510.8	555.0	608.7
270.0	272.0	274.0	276.0	277.0	278.0	277.5	277.0	15°	434.9	472.8	524.5	583.4
293.0	294.0	298.0	299.0	300.0	301.0	301.0	301.0	17.5°	421.2	469.7	528.7	590.8
317.0	318.0	321.0	322.0	323.5	325.0	325.0	325.0	20°	406.5	472.8	551.8	627.7
339.0	341.0	345.0	345.0	346.5	348.0	348.0	348.0	22.5°	398.1	483.4	581.3	687.7
363.0	364.0	367.0	367.0	368.0	369.0	369.0	369.0	25°	396.0	507.6	631.9	773.0
385.0	386.0	388.0	389.0	389.5	390.0	390.0	390.0	27.5°	398.1	535.0	695.1	864.6
408.0	407.0	410.0	410.0	411.0	412.0	412.0	412.0	30°	388.6	563.4	758.2	944.6
428.0	428.0	431.0	432.0	433.0	434.0	433.5	433.0	32.5°	372.8	584.5	814.1	1008.9
447.0	448.0	452.0	453.0	453.5	454.0	453.0	452.0	35°	354.9	594.0	854.1	1068.9
464.0	465.0	469.0	470.0	470.5	471.0	470.0	469.0	37.5°	335.9	595.0	892.0	1132.1
483.0	482.0	485.0	486.0	486.5	487.0	486.5	486.0	40°	325.4	590.8	931.0	1210.0
502.0	501.0	503.0	503.0	503.5	504.0	503.5	503.0	42.5°	321.2	583.4	959.4	1269.0
517.0	516.0	519.0	519.0	519.0	519.0	518.0	517.0	45°	321.2	576.1	985.7	1313.2
529.0	529.0	532.0	532.0	532.0	532.0	531.0	530.0	47.5°	322.3	579.2	1017.3	1384.8
539.0	538.0	541.0	541.0	541.5	542.0	541.0	540.0	50°	327.5	615.0	1071.0	1463.8
549.0	548.0	552.0	552.0	552.5	553.0	551.5	550.0	52.5°	335.9	671.9	1163.7	1557.6
559.0	558.0	561.0	560.0	560.0	560.0	559.0	558.0	55°	344.4	729.8	1284.8	1714.5
566.0	565.0	567.0	566.0	565.5	565.0	564.5	564.0	57.5°	351.7	773.0	1402.7	1870.3
569.0	567.0	569.0	568.0	568.5	569.0	568.0	567.0	60°	359.1	806.7	1471.2	1939.8
570.0	569.0	572.0	572.0	572.5	573.0	571.5	570.0	62.5°	354.9	794.0	1490.2	1905.1
575.0	574.0	578.0	577.0	577.0	577.0	575.5	574.0	65°	339.1	727.7	1430.1	1785.0
576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	67.5°	295.9	611.9	1245.8	1595.5
								70°	245.4	480.2	1016.3	1358.5
								72.5°	206.4	359.1	781.4	1052.1
								75°	171.7	253.8	549.7	724.5
								77.5°	127.4	172.7	398.1	506.5
								80°	85.3	106.4	253.8	353.8
								82.5°	51.6	62.1	146.4	247.5
								85°	28.4	39.0	89.5	162.2
								87.5°	7.4	8.4	20.0	7.4
								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



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JLG

CANDELA DISTRIBUTION (continued):

270°	275°	280°	285°	290°	295°	300°		250°	255°	260°	265°	270°
736.1	736.1	736.1	736.1	736.1	736.1	736.1	112.5°	135.5	135.0	136.0	137.0	135.0
818.3	826.7	837.2	837.2	849.9	854.1	862.5	115°	158.0	158.0	159.0	160.0	159.0
830.9	859.3	885.7	900.4	925.7	942.5	959.4	117.5°	180.5	180.0	181.0	182.0	180.0
779.3	825.6	868.8	908.8	951.0	986.8	1013.1	120°	204.0	204.0	205.0	206.0	204.0
710.9	760.3	813.0	866.7	917.3	967.8	1011.0	122.5°	228.5	229.0	231.0	233.0	232.0
662.4	715.1	777.2	823.5	876.2	926.7	968.9	125°	254.0	254.0	255.5	257.0	256.0
640.3	694.0	751.9	799.3	848.8	889.9	919.4	127.5°	277.5	278.0	279.5	281.0	278.0
651.9	717.2	768.8	808.8	845.7	864.6	868.8	130°	301.5	302.0	303.5	305.0	303.0
702.4	770.9	808.8	835.1	841.4	840.4	824.6	132.5°	325.5	326.0	327.5	329.0	327.0
781.4	861.4	887.8	882.5	856.2	822.5	796.2	135°	348.5	349.0	350.0	351.0	350.0
887.8	967.8	982.6	953.1	894.1	828.8	784.6	137.5°	369.5	370.0	372.0	374.0	372.0
999.4	1081.5	1076.3	1032.1	947.8	856.2	785.6	140°	391.0	392.0	394.0	396.0	394.0
1078.4	1146.8	1125.8	1059.4	965.7	874.1	799.3	142.5°	412.5	413.0	414.5	416.0	415.0
1160.5	1212.1	1174.2	1102.6	1005.7	912.0	835.1	145°	433.5	434.0	435.5	437.0	435.0
1249.0	1276.4	1215.3	1142.6	1054.2	959.4	876.2	147.5°	452.5	453.0	454.5	456.0	453.0
1334.3	1345.9	1257.4	1179.5	1093.1	1007.8	932.0	150°	469.0	469.0	471.0	473.0	470.0
1425.9	1410.1	1301.6	1210.0	1124.7	1059.4	997.3	152.5°	486.0	486.0	487.5	489.0	486.0
1504.9	1470.1	1342.7	1240.6	1163.7	1108.9	1065.8	155°	503.5	504.0	505.5	507.0	505.0
1563.9	1518.6	1381.7	1270.1	1201.6	1167.9	1146.8	157.5°	517.5	518.0	520.5	523.0	520.0
1614.4	1564.9	1412.2	1313.2	1254.3	1241.6	1249.0	160°	530.0	530.0	531.5	533.0	531.0
1677.6	1614.4	1453.3	1361.7	1325.9	1338.5	1380.6	162.5°	539.0	538.0	539.0	540.0	537.0
1775.6	1693.4	1521.8	1431.2	1414.3	1459.6	1539.7	165°	549.0	548.0	549.0	550.0	548.0
1933.5	1836.6	1642.9	1552.3	1532.3	1601.8	1716.6	167.5°	558.5	559.0	561.0	563.0	561.0
2070.4	1996.7	1802.9	1693.4	1685.0	1759.8	1885.1	170°	565.0	566.0	568.5	571.0	569.0
2132.6	2125.2	1968.3	1867.2	1854.5	1924.0	2043.0	172.5°	567.5	568.0	569.5	571.0	568.0
2127.3	2188.4	2103.1	2031.5	1988.3	2046.2	2162.0	175°	569.0	568.0	569.5	571.0	568.0
2050.4	2150.5	2157.8	2141.0	2063.1	2067.3	2149.4	177.5°	574.0	574.0	575.5	577.0	574.0
1899.8	2018.8	2143.1	2137.8	2038.8	1951.4	1968.3	180°	576.0	576.0	576.0	576.0	576.0
1686.0	1788.2	1986.2	2026.2	1885.1	1721.8	1645.0						
1351.1	1470.1	1764.0	1819.8	1627.1	1397.5	1278.5						
932.0	1088.9	1539.7	1544.9	1320.6	1099.5	971.0						
640.3	775.1	1244.8	1258.5	1047.8	834.1	723.5						
430.7	519.2	913.1	855.1	691.9	578.2	549.7						
271.7	323.3	573.9	536.0	456.0	417.0	427.6						
126.4	176.9	313.8	306.5	287.5	251.7	219.0						
3.2	9.5	61.1	40.0	40.0	23.2	8.4						
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						
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						



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CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-8030-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°	736.1	736.1	736.1	736.1	736.1	736.1
160.0	159.0	158.0	158.0	158.0	158.0	2.5°	855.1	858.3	857.2	849.9	830.9	823.5
182.0	181.0	180.0	180.5	181.0	180.5	5°	958.3	963.6	957.3	939.4	890.9	867.8
206.0	205.0	204.0	204.0	204.0	204.0	7.5°	1031.0	1035.2	1024.7	983.6	897.3	858.3
233.0	231.0	229.0	228.5	228.0	228.0	10°	1044.7	1054.2	1042.6	983.6	883.6	835.1
257.0	255.5	254.0	254.0	254.0	253.5	12.5°	1005.7	1025.7	1017.3	974.1	877.2	825.6
281.0	279.5	278.0	277.5	277.0	277.5	15°	945.7	947.8	953.1	952.0	865.7	815.1
305.0	303.5	302.0	301.5	301.0	301.0	17.5°	879.4	877.2	883.6	903.6	862.5	822.5
329.0	327.5	326.0	325.5	325.0	325.0	20°	819.3	816.2	822.5	842.5	849.9	840.4
351.0	350.0	349.0	348.5	348.0	348.0	22.5°	781.4	770.9	769.8	799.3	856.2	881.5
374.0	372.0	370.0	369.5	369.0	369.0	25°	760.3	748.8	754.0	787.7	882.5	929.9
396.0	394.0	392.0	391.0	390.0	390.0	27.5°	754.0	741.4	748.8	786.7	909.9	988.9
416.0	414.5	413.0	412.5	412.0	412.0	30°	758.2	745.6	748.8	794.0	923.6	1002.6
437.0	435.5	434.0	433.5	433.0	433.5	32.5°	782.5	760.3	758.2	816.2	948.9	1033.1
456.0	454.5	453.0	452.5	452.0	453.0	35°	815.1	783.5	779.3	852.0	981.5	1072.1
473.0	471.0	469.0	469.0	469.0	470.0	37.5°	869.9	830.9	824.6	912.0	1025.7	1104.7
489.0	487.5	486.0	486.0	486.0	486.5	40°	943.6	904.6	904.6	988.9	1085.8	1150.0
507.0	505.5	504.0	503.5	503.0	503.5	42.5°	1026.8	1001.5	1005.7	1081.5	1154.2	1206.9
523.0	520.5	518.0	517.5	517.0	518.0	45°	1137.4	1123.7	1144.7	1198.4	1223.7	1259.5
533.0	531.5	530.0	530.0	530.0	531.0	47.5°	1266.9	1278.5	1308.0	1324.8	1294.3	1313.2
540.0	539.0	538.0	539.0	540.0	541.0	50°	1429.1	1459.6	1488.1	1483.8	1381.7	1375.4
550.0	549.0	548.0	549.0	550.0	551.5	52.5°	1615.5	1655.5	1675.5	1652.3	1479.6	1442.8
563.0	561.0	559.0	558.5	558.0	559.0	55°	1805.0	1853.5	1847.2	1820.8	1586.0	1536.5
571.0	568.5	566.0	565.0	564.0	564.5	57.5°	1976.7	2014.6	2031.5	1974.6	1715.5	1650.2
571.0	569.5	568.0	567.5	567.0	568.0	60°	2112.5	2153.6	2153.6	2097.8	1856.6	1780.8
571.0	569.5	568.0	569.0	570.0	571.5	62.5°	2211.5	2244.2	2232.6	2178.9	1977.7	1919.8
577.0	575.5	574.0	574.0	574.0	575.5	65°	2204.2	2207.3	2194.7	2174.7	2050.4	2044.1
576.0	576.0	576.0	576.0	576.0	576.0	67.5°	1996.7	1997.8	2023.0	2014.6	1995.7	2073.6
						70°	1636.5	1653.4	1696.6	1683.9	1780.8	1940.9
						72.5°	1245.8	1256.4	1308.0	1296.4	1428.0	1603.9
						75°	906.7	905.7	927.8	910.9	1077.3	1273.2
						77.5°	698.2	679.3	675.0	677.2	763.5	925.7
						80°	563.4	563.4	557.1	533.9	467.6	541.3
						82.5°	449.7	431.8	400.2	354.9	300.1	320.1
						85°	224.3	218.0	190.6	158.0	131.6	174.8
						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

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CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

342.5°	345°	347.5°	350°	352.5°		305°	310°	315°	325°	335°	340°	342.5°
736.1	736.1	736.1	736.1	736.1	112.5°	136.0	135.0	134.0	132.0	129.0	127.5	126.8
820.4	812.0	802.5	802.5	794.0	115°	158.0	157.0	156.0	154.0	151.0	150.0	149.5
854.1	837.2	823.5	810.9	798.3	117.5°	180.0	179.5	179.0	177.0	174.0	173.0	172.5
837.2	817.2	800.4	778.3	758.2	120°	204.0	203.0	202.0	201.0	198.0	197.0	196.5
812.0	789.8	765.6	742.4	714.0	122.5°	228.0	227.5	227.0	226.0	223.0	222.0	221.5
798.3	771.9	742.4	718.2	685.6	125°	253.0	252.5	252.0	251.0	248.0	247.5	247.2
787.7	760.3	734.0	710.9	682.4	127.5°	278.0	277.0	276.0	274.0	272.0	271.0	270.5
804.6	778.3	759.3	733.0	710.9	130°	301.0	300.0	299.0	298.0	294.0	293.5	293.2
833.0	817.2	802.5	785.6	767.7	132.5°	325.0	323.5	322.0	321.0	318.0	317.5	317.2
886.7	884.6	883.6	870.9	858.3	135°	348.0	346.5	345.0	345.0	341.0	340.0	339.5
954.1	962.5	974.1	974.1	974.1	137.5°	369.0	368.0	367.0	367.0	364.0	363.5	363.2
1023.6	1044.7	1066.8	1076.3	1082.6	140°	390.0	389.5	389.0	388.0	386.0	385.5	385.2
1043.6	1074.2	1108.9	1132.1	1147.9	142.5°	412.0	411.0	410.0	410.0	407.0	407.5	407.8
1076.3	1111.0	1150.0	1176.3	1204.8	145°	434.0	433.0	432.0	431.0	428.0	428.0	428.0
1115.2	1145.8	1185.8	1221.6	1262.7	147.5°	454.0	453.5	453.0	452.0	448.0	447.5	447.2
1147.9	1187.9	1231.1	1277.4	1330.1	150°	471.0	470.5	470.0	469.0	465.0	464.5	464.2
1197.4	1239.5	1286.9	1349.0	1413.3	152.5°	487.0	486.5	486.0	485.0	482.0	482.5	482.8
1252.2	1297.4	1346.9	1409.1	1483.8	155°	504.0	503.5	503.0	503.0	501.0	501.5	501.8
1299.5	1339.6	1393.3	1457.5	1542.8	157.5°	519.0	519.0	519.0	519.0	516.0	516.5	516.8
1344.8	1381.7	1444.9	1510.2	1594.4	160°	532.0	532.0	532.0	532.0	529.0	529.0	529.0
1404.9	1433.3	1496.5	1571.2	1660.8	162.5°	542.0	541.5	541.0	541.0	538.0	538.5	538.8
1467.0	1506.0	1575.5	1660.8	1760.8	165°	553.0	552.5	552.0	552.0	548.0	548.5	548.8
1551.2	1597.6	1682.9	1779.8	1906.1	167.5°	560.0	560.0	560.0	561.0	558.0	558.5	558.8
1667.1	1715.5	1806.1	1914.6	2044.1	170°	565.0	565.5	566.0	567.0	565.0	565.5	565.8
1809.3	1856.6	1934.6	2042.0	2163.1	172.5°	569.0	568.5	568.0	569.0	567.0	568.0	568.5
1941.9	2007.2	2077.8	2157.8	2253.7	175°	573.0	572.5	572.0	572.0	569.0	569.5	569.8
2086.2	2136.8	2195.7	2226.3	2280.0	177.5°	577.0	577.0	577.0	578.0	574.0	574.5	574.8
2128.3	2170.5	2222.1	2222.1	2215.8	180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0
2004.1	2068.3	2113.6	2113.6	2059.9								
1742.9	1850.3	1894.6	1921.9	1853.5								
1416.4	1550.2	1622.8	1646.0	1521.8								
1039.4	1124.7	1134.2	1137.4	969.9								
599.2	666.6	690.8	725.6	581.3								
347.5	372.8	413.9	428.6	353.8								
194.8	196.9	196.9	182.2	148.5								
0.0	0.0	0.0	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								

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 CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

345°	347.5°	350°	352.5°		355°	359°	360°
126.0	125.5	125.0	124.5	0°	736.1	736.1	736.1
149.0	148.5	148.0	147.5	2.5°	791.9	779.3	781.4
172.0	171.5	171.0	170.5	5°	780.4	762.5	756.1
196.0	195.8	195.5	195.2	7.5°	740.3	709.8	700.3
221.0	220.8	220.5	220.2	10°	691.9	652.9	645.6
247.0	246.8	246.5	246.2	12.5°	664.5	620.3	610.8
270.0	269.8	269.5	269.2	15°	656.1	614.0	603.4
293.0	292.8	292.5	292.2	17.5°	681.4	636.1	623.4
317.0	316.2	315.5	314.8	20°	739.3	685.6	670.8
339.0	338.5	338.0	337.5	22.5°	825.6	764.6	746.7
363.0	362.2	361.5	360.8	25°	942.5	873.0	855.1
385.0	384.5	384.0	383.5	27.5°	1062.6	979.4	956.2
408.0	407.5	407.0	406.5	30°	1132.1	1055.2	1032.1
428.0	427.5	427.0	426.5	32.5°	1202.7	1128.9	1101.6
447.0	446.2	445.5	444.8	35°	1277.4	1202.7	1175.3
464.0	463.5	463.0	462.5	37.5°	1364.8	1301.6	1277.4
483.0	482.2	481.5	480.8	40°	1469.1	1411.2	1376.4
502.0	501.5	501.0	500.5	42.5°	1555.5	1501.7	1469.1
517.0	516.5	516.0	515.5	45°	1618.6	1573.4	1539.7
529.0	528.5	528.0	527.5	47.5°	1676.6	1641.8	1608.1
539.0	538.2	537.5	536.8	50°	1749.2	1719.7	1696.6
549.0	548.5	548.0	547.5	52.5°	1847.2	1836.6	1816.6
559.0	558.2	557.5	556.8	55°	1991.4	2014.6	1986.2
566.0	565.2	564.5	563.8	57.5°	2128.3	2145.2	2132.6
569.0	568.2	567.5	566.8	60°	2235.8	2212.6	2196.8
570.0	569.8	569.5	569.2	62.5°	2290.5	2233.7	2207.3
575.0	574.5	574.0	573.5	65°	2293.7	2206.3	2166.3
576.0	576.0	576.0	576.0	67.5°	2222.1	2119.9	2073.6
				70°	2029.4	1911.4	1850.3
				72.5°	1705.0	1523.9	1482.8
				75°	1250.0	1027.8	1003.6
				77.5°	757.2	590.8	559.2
				80°	426.5	339.1	328.6
				82.5°	242.2	190.6	201.1
				85°	99.0	49.5	54.8
				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

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CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-8030-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)