

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: P228640

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228640
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-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) 4000K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4792.7 lumens
Efficiency: N/A
Efficacy: 95.1 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

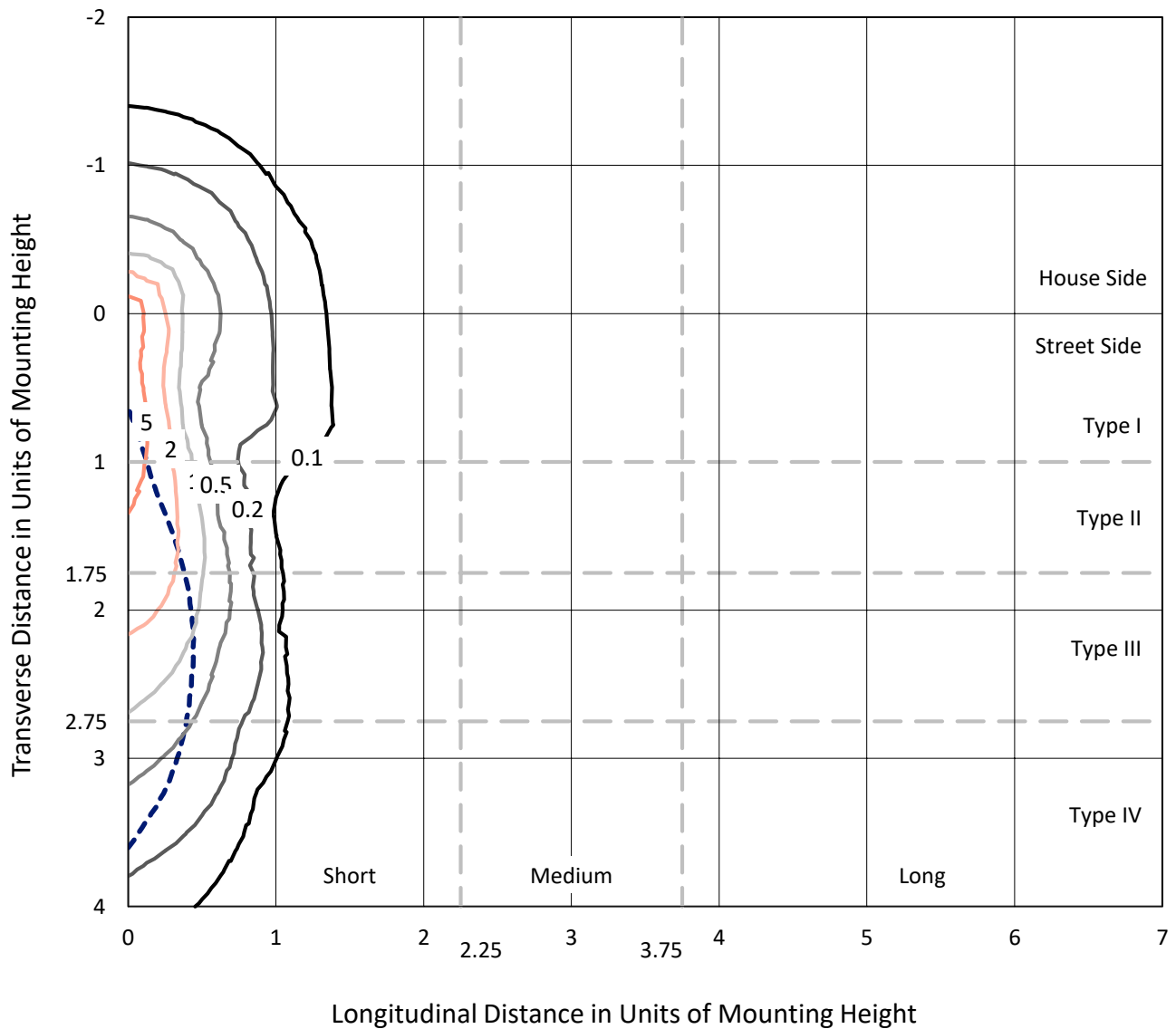
Input Watts (W): 50.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

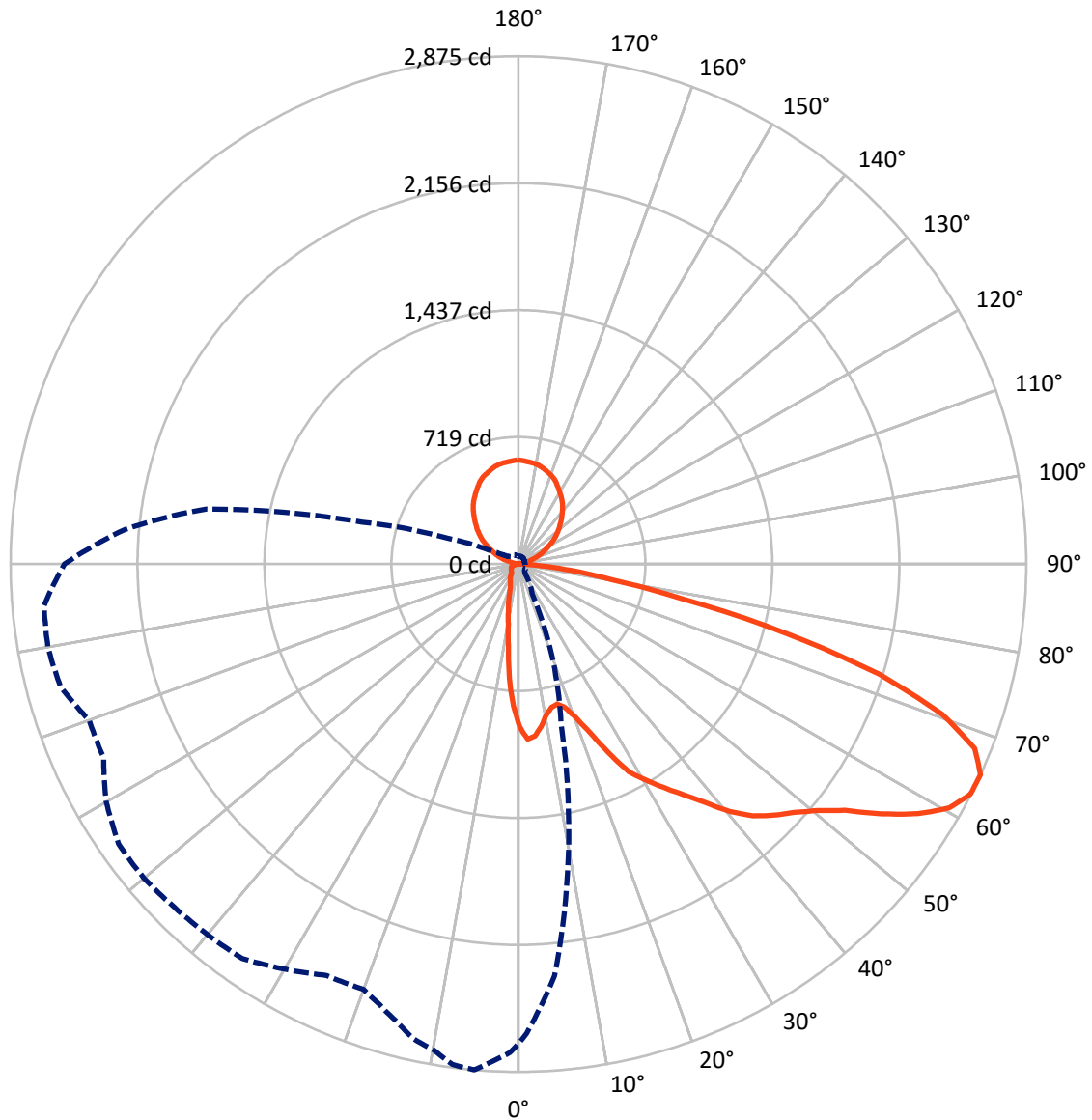
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 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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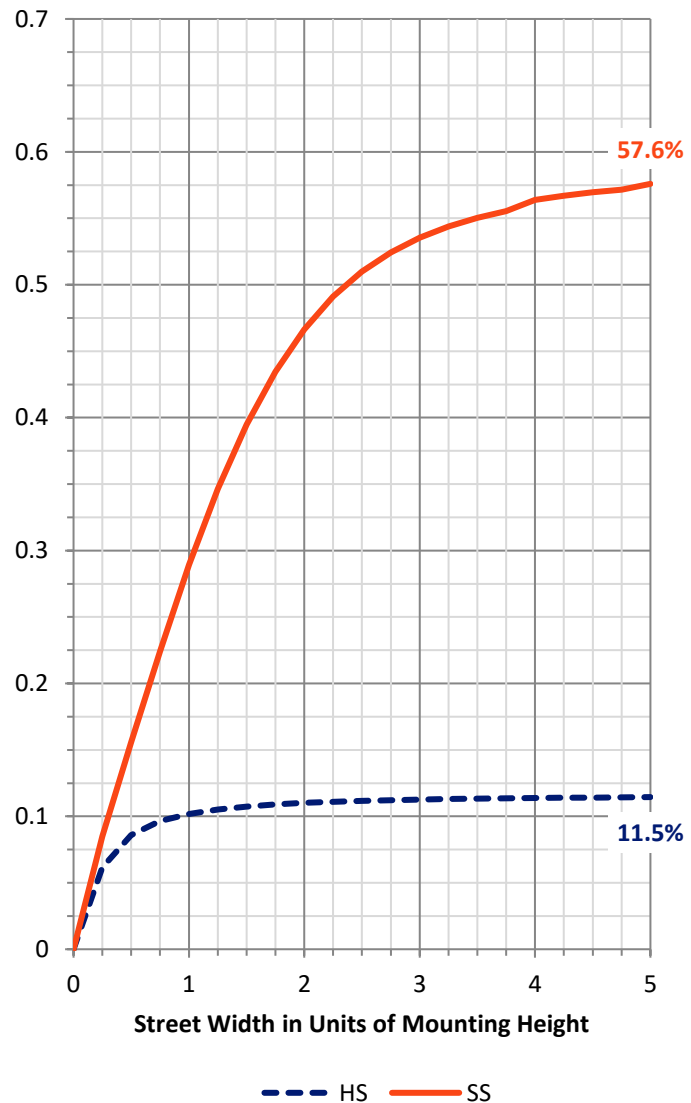
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	554.3	729.4	1283.8
	% Fixture	11.6	15.2	26.8
Street Side	Lumens	2779.5	729.4	3508.9
	% Fixture	58.0	15.2	73.2
Total	Lumens	3333.8	1458.9	4792.7
	% Fixture	69.6	30.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.8	1.5
10°-20°	146.0	3.0
20°-30°	212.2	4.4
30°-40°	313.8	6.5
40°-50°	457.3	9.5
50°-60°	685.5	14.3
60°-70°	854.2	17.8
70°-80°	500.4	10.4
80°-90°	93.6	2.0
90°-100°	4.8	0.1
100°-110°	70.6	1.5
110°-120°	156.6	3.3
120°-130°	229.0	4.8
130°-140°	271.7	5.7
140°-150°	275.5	5.7
150°-160°	236.4	4.9
160°-170°	158.7	3.3
170°-180°	55.6	1.2
0°-90°	3333.8	69.6
0°-180°	4792.7	100.0



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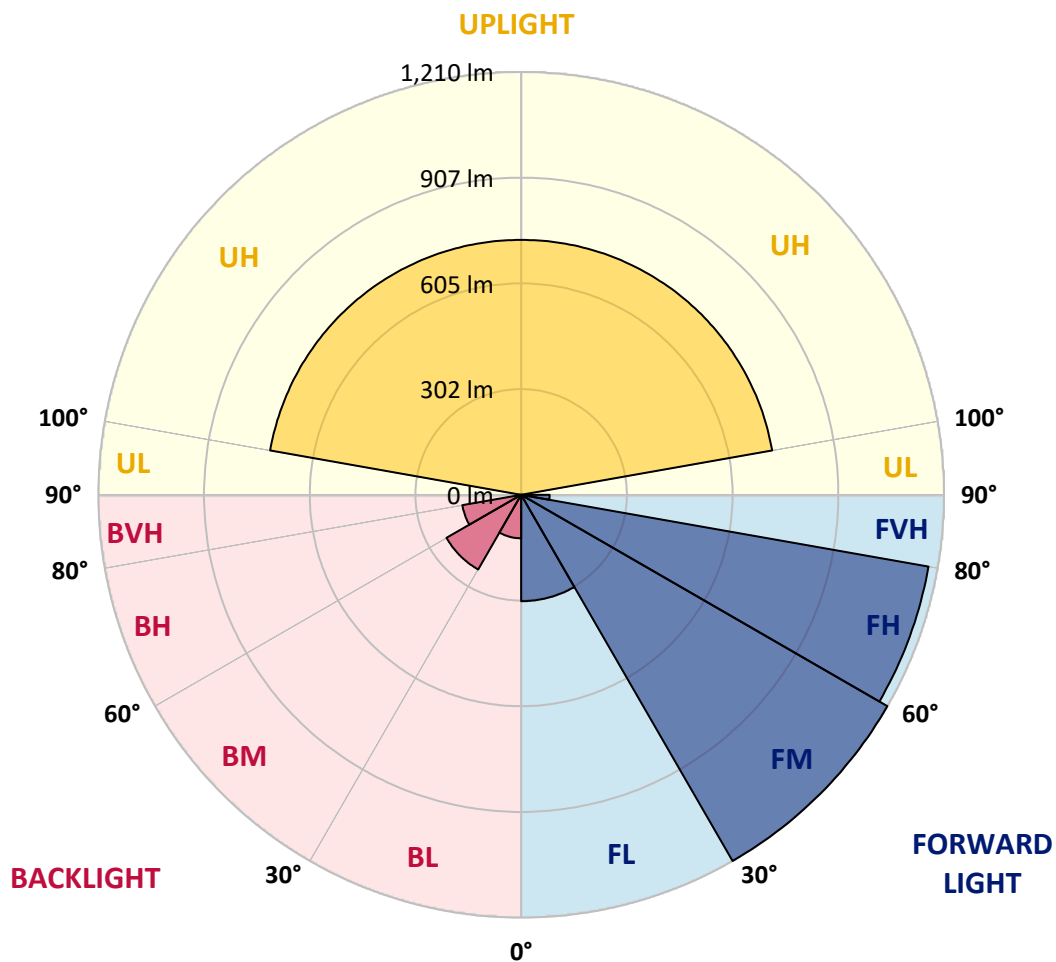
CATALOG NUMBER: ISC-AF-600-LED-E1-SLR-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	304.6	6.4			
FM (30°-60°)	1209.9	25.2			
FH (60°-80°)	1183.5	24.7			G1/1800
FVH (80°-90°)	81.5	1.7			G1/100
BL (0°-30°)	124.5	2.6	B1/500		
BM (30°-60°)	246.7	5.1	B1/1000		
BH (60°-80°)	171.1	3.6	B1/500		G1/500
BVH (80°-90°)	12.1	0.3			G1/100
UL (90°-100°)	4.8	0.1		U1/10	
UH (100°-180°)	729.4	15.2		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°	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6
2.5°	979.4	971.4	955.6	923.9	890.9	859.3	854.0	842.1	843.4	836.8	834.1
5°	947.7	937.1	904.1	838.1	781.3	723.3	719.3	695.6	698.2	683.7	675.8
7.5°	877.7	863.2	826.2	735.2	656.0	579.4	571.5	543.8	539.8	525.3	513.4
10°	809.1	794.5	748.4	644.0	553.0	496.2	487.0	473.8	463.3	456.6	444.8
12.5°	765.6	757.6	702.2	582.1	510.8	464.6	452.8	439.6	428.9	417.1	405.2
15°	756.3	740.4	683.7	562.3	479.2	422.4	407.9	393.3	381.5	369.6	352.4
17.5°	781.3	765.6	702.2	553.0	443.4	374.8	356.4	336.6	324.7	310.2	291.6
20°	840.8	815.7	737.9	539.8	405.2	319.4	297.0	273.2	260.0	235.0	221.8
22.5°	935.8	904.1	798.5	539.8	369.6	261.4	236.3	215.1	200.6	178.2	163.7
25°	1071.7	1044.0	897.5	554.3	337.9	212.5	187.4	166.3	151.8	136.0	126.7
27.5°	1198.5	1154.9	1003.1	575.5	312.8	178.2	153.1	136.0	125.4	117.4	112.2
30°	1293.5	1257.8	1095.5	589.9	275.9	149.1	133.3	122.8	117.4	113.5	110.9
32.5°	1380.6	1339.7	1161.5	599.2	253.4	126.7	112.2	104.2	99.0	93.7	92.4
35°	1472.9	1433.4	1239.4	597.9	238.9	116.1	101.7	92.4	87.2	85.8	83.2
37.5°	1601.0	1546.9	1329.1	597.9	233.6	112.2	95.0	85.8	81.8	79.2	77.8
40°	1725.1	1664.3	1428.1	601.9	228.3	109.6	95.0	85.8	79.2	76.5	74.0
42.5°	1841.2	1773.9	1517.9	608.5	225.7	101.7	89.7	84.5	81.8	76.5	72.6
45°	1929.7	1876.9	1587.8	621.6	225.7	96.4	84.5	80.5	79.2	79.2	77.8
47.5°	2015.4	1956.1	1668.3	646.7	229.7	92.4	80.5	75.2	75.2	75.2	76.5
50°	2126.3	2056.3	1779.2	698.2	229.7	91.0	76.5	71.3	70.0	72.6	72.6
52.5°	2276.8	2226.7	1941.6	772.1	227.0	89.7	75.2	67.3	66.0	67.3	70.0
55°	2489.2	2432.6	2138.2	863.2	224.3	87.2	72.6	66.0	63.3	62.0	63.3
57.5°	2672.8	2623.9	2319.0	935.8	217.8	80.5	70.0	64.7	60.8	59.4	58.1
60°	2753.3	2712.4	2435.1	984.6	205.9	74.0	66.0	62.0	58.1	56.8	55.4
62.5°	2766.5	2715.0	2436.5	995.2	192.7	67.3	62.0	58.1	55.4	54.1	52.8
65°	2715.0	2656.9	2340.1	930.5	182.2	67.3	59.4	55.4	51.5	50.1	48.8
67.5°	2598.8	2509.1	2095.9	789.3	172.9	68.6	58.1	51.5	48.8	47.5	46.2
70°	2319.0	2218.7	1769.9	627.0	169.0	70.0	58.1	48.8	44.9	43.6	43.6
72.5°	1858.4	1743.5	1380.6	472.5	162.3	71.3	56.8	46.2	42.2	39.6	39.6
75°	1257.8	1157.6	935.8	319.4	134.6	62.0	51.5	42.2	36.9	34.3	33.0
77.5°	700.8	667.9	595.3	169.0	85.8	46.2	39.6	34.3	30.4	29.1	27.7
80°	411.8	394.7	351.1	93.7	52.8	26.4	23.7	22.4	19.8	19.8	19.8
82.5°	252.1	235.0	217.8	42.2	25.1	13.2	13.2	10.5	10.5	9.2	9.2
85°	68.6	63.3	88.4	9.2	2.7	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	3.1	4.1	5.3	6.6	8.0	9.2	10.2
100°	8.2	8.2	8.2	10.2	14.3	22.5	24.6	26.6	28.6	30.7	31.2
102.5°	28.6	28.6	28.6	32.7	38.9	46.0	47.3	48.6	49.9	51.1	51.4
105°	55.2	55.2	55.2	57.3	62.4	67.5	68.5	69.6	70.6	71.6	71.8
107.5°	79.8	79.6	78.8	81.8	85.9	90.0	90.8	91.6	92.3	93.1	93.6
110°	103.3	103.5	104.3	105.4	108.4	112.5	113.0	113.5	114.1	114.6	115.1



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

CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°
112.5°	126.8	126.8	126.8	128.9	132.0	135.0	135.5	136.1	136.6	137.1	137.6
115°	149.4	149.6	150.4	152.4	154.5	157.5	158.0	158.6	159.1	159.6	160.1
117.5°	172.9	173.1	173.9	175.9	178.0	181.1	181.6	182.1	182.6	183.1	183.3
120°	197.4	197.8	199.5	200.5	202.5	205.6	205.8	206.1	206.4	206.6	207.1
122.5°	224.0	224.2	225.0	226.1	228.1	231.2	231.4	231.7	232.0	232.2	232.4
125°	249.6	250.0	251.6	252.7	253.7	256.8	257.0	257.3	257.6	257.8	258.0
127.5°	273.1	273.5	275.2	276.2	278.2	280.3	280.8	281.3	281.8	282.3	282.8
130°	296.7	297.1	298.7	299.7	300.7	304.8	305.0	305.4	305.7	305.9	306.4
132.5°	320.2	320.4	321.2	324.3	325.3	328.4	328.6	328.9	329.2	329.4	330.2
135°	343.7	343.9	344.7	346.8	348.8	352.9	352.9	352.9	352.9	352.9	353.7
137.5°	367.2	367.4	368.3	371.3	372.4	375.4	375.4	375.4	375.4	375.4	375.9
140°	390.8	391.0	391.8	393.8	394.9	396.9	397.1	397.4	397.7	397.9	398.1
142.5°	413.3	413.7	415.3	417.4	416.3	419.4	419.4	419.4	419.4	419.4	419.9
145°	434.8	435.0	435.8	437.8	437.8	440.9	441.1	441.4	441.7	441.9	442.4
147.5°	454.2	454.2	454.2	457.3	458.3	462.4	462.6	462.9	463.2	463.4	463.6
150°	471.6	471.8	472.6	474.6	475.7	479.8	480.0	480.3	480.6	480.8	481.0
152.5°	490.0	490.2	491.0	494.1	493.1	496.1	496.3	496.6	496.9	497.2	497.4
155°	510.5	510.7	511.5	513.5	512.5	514.5	514.5	514.5	514.5	514.5	514.7
157.5°	524.8	525.2	526.8	528.9	527.8	530.9	530.9	530.9	530.9	530.9	530.9
160°	537.0	537.5	539.1	541.1	541.1	544.2	544.2	544.2	544.2	544.2	544.2
162.5°	547.3	547.5	548.3	551.4	550.3	553.4	553.4	553.4	553.4	553.4	553.6
165°	558.5	558.7	559.6	561.6	560.6	564.7	564.7	564.7	564.7	564.7	564.9
167.5°	567.7	567.9	568.8	571.8	570.8	573.9	573.7	573.4	573.1	572.9	572.9
170°	574.9	575.1	575.9	579.0	578.0	580.0	579.8	579.5	579.2	579.0	578.8
172.5°	578.0	578.2	579.0	582.1	580.0	582.1	581.9	581.5	581.2	581.0	581.2
175°	580.0	580.4	582.1	583.1	582.1	585.1	585.1	585.1	585.1	585.1	585.3
177.5°	585.1	585.3	586.2	588.2	587.2	591.3	591.1	590.8	590.4	590.2	590.2
180°	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2



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CANDELA DISTRIBUTION (continued):

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
0°	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6
2.5°	823.6	820.9	820.9	801.2	801.2	790.6	788.0	788.0	792.0	789.3	773.5
5°	662.6	654.7	649.4	625.6	619.0	607.1	601.9	600.6	604.5	597.9	576.7
7.5°	498.9	492.3	484.4	466.0	458.0	456.6	440.8	436.9	434.2	428.9	415.7
10°	435.6	426.4	419.7	406.5	397.3	390.7	377.5	370.9	365.6	357.7	353.7
12.5°	392.0	382.8	373.5	356.4	344.5	336.6	328.7	315.5	310.2	301.0	295.6
15°	337.9	327.3	316.8	298.3	282.4	274.6	258.7	250.8	245.5	235.0	229.7
17.5°	271.9	257.4	245.5	228.3	220.4	207.2	197.9	184.7	174.2	170.2	166.3
20°	204.6	191.4	180.9	166.3	158.4	147.8	142.5	133.3	128.1	125.4	122.8
22.5°	150.5	139.9	133.3	125.4	121.4	117.4	114.9	112.2	109.6	108.2	108.2
25°	118.8	114.9	112.2	109.6	108.2	106.9	104.2	102.9	101.7	100.4	100.4
27.5°	108.2	105.6	104.2	102.9	101.7	99.0	99.0	96.4	95.0	95.0	93.7
30°	109.6	109.6	109.6	106.9	105.6	102.9	101.7	97.7	95.0	92.4	91.0
32.5°	89.7	89.7	88.4	85.8	84.5	83.2	83.2	80.5	79.2	79.2	81.8
35°	81.8	80.5	79.2	76.5	75.2	72.6	71.3	70.0	68.6	67.3	67.3
37.5°	77.8	76.5	75.2	72.6	71.3	70.0	68.6	66.0	64.7	64.7	63.3
40°	74.0	74.0	74.0	71.3	70.0	67.3	66.0	64.7	63.3	62.0	62.0
42.5°	71.3	71.3	71.3	70.0	68.6	67.3	64.7	63.3	62.0	60.8	59.4
45°	72.6	71.3	71.3	70.0	68.6	66.0	64.7	62.0	60.8	59.4	58.1
47.5°	77.8	76.5	74.0	71.3	68.6	66.0	63.3	60.8	59.4	58.1	56.8
50°	74.0	79.2	80.5	76.5	70.0	66.0	63.3	60.8	58.1	56.8	55.4
52.5°	72.6	74.0	79.2	79.2	72.6	67.3	63.3	60.8	58.1	55.4	54.1
55°	66.0	70.0	71.3	72.6	71.3	66.0	62.0	58.1	56.8	54.1	51.5
57.5°	58.1	60.8	62.0	64.7	66.0	64.7	59.4	55.4	54.1	51.5	48.8
60°	54.1	54.1	54.1	55.4	62.0	67.3	62.0	54.1	50.1	48.8	46.2
62.5°	50.1	50.1	48.8	50.1	51.5	58.1	56.8	51.5	48.8	47.5	44.9
65°	48.8	47.5	46.2	46.2	46.2	46.2	46.2	46.2	44.9	44.9	43.6
67.5°	44.9	43.6	43.6	42.2	42.2	42.2	42.2	42.2	40.9	40.9	39.6
70°	42.2	40.9	39.6	39.6	39.6	38.3	38.3	38.3	36.9	36.9	36.9
72.5°	38.3	36.9	36.9	36.9	35.6	35.6	35.6	34.3	34.3	33.0	33.0
75°	33.0	33.0	31.7	31.7	31.7	30.4	30.4	30.4	30.4	29.1	29.1
77.5°	27.7	26.4	27.7	26.4	26.4	26.4	26.4	26.4	25.1	25.1	23.7
80°	18.5	18.5	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	18.5
82.5°	10.5	9.2	10.5	10.5	10.5	11.9	11.9	13.2	11.9	11.9	10.5
85°	0.0	0.0	0.0	0.0	0.0	1.3	1.3	2.7	2.7	2.7	2.7
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°	11.3	12.3	13.3	11.8	10.2	8.7	7.2	6.6	6.1	5.6	5.1
100°	31.7	32.2	32.7	32.2	31.7	31.2	30.7	29.9	29.2	28.4	27.6
102.5°	51.7	52.0	52.2	52.0	51.7	51.4	51.1	50.6	50.1	49.6	49.1
105°	72.1	72.4	72.6	72.6	72.6	72.6	72.6	72.1	71.6	71.1	70.6
107.5°	94.1	94.6	95.1	94.9	94.6	94.3	94.1	93.9	93.6	93.3	93.1
110°	115.6	116.1	116.6	116.6	116.6	116.6	116.6	116.4	116.1	115.8	115.6



REPORT NUMBER: P228640

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

CANDELA DISTRIBUTION (continued):

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
112.5°	138.1	138.6	139.1	139.1	139.1	139.1	139.1	138.9	138.6	138.3	138.1
115°	160.6	161.1	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6
117.5°	183.6	183.9	184.1	184.3	184.6	184.9	185.2	184.9	184.6	184.3	184.1
120°	207.7	208.2	208.7	208.7	208.7	208.7	208.7	208.7	208.7	208.7	208.7
122.5°	232.7	233.0	233.2	233.2	233.2	233.2	233.2	233.4	233.7	234.1	234.3
125°	258.3	258.6	258.8	259.0	259.3	259.6	259.8	259.8	259.8	259.8	259.8
127.5°	283.4	283.9	284.4	284.2	283.9	283.6	283.4	283.6	283.9	284.2	284.4
130°	306.9	307.4	307.9	307.9	307.9	307.9	307.9	308.1	308.4	308.7	308.9
132.5°	330.9	331.6	332.5	332.5	332.5	332.5	332.5	332.7	333.0	333.3	333.5
135°	354.5	355.2	356.0	356.0	356.0	356.0	356.0	356.2	356.5	356.8	357.0
137.5°	376.4	377.0	377.5	377.5	377.5	377.5	377.5	377.7	378.0	378.3	378.5
140°	398.4	398.7	399.0	399.0	399.0	399.0	399.0	399.5	400.0	400.5	401.0
142.5°	420.4	420.9	421.5	421.5	421.5	421.5	421.5	421.7	422.0	422.3	422.5
145°	442.9	443.4	444.0	443.8	443.4	443.1	442.9	443.1	443.4	443.8	444.0
147.5°	463.9	464.2	464.4	463.9	463.4	462.9	462.4	462.6	462.9	463.2	463.4
150°	481.3	481.6	481.8	481.3	480.8	480.3	479.8	479.8	479.8	479.8	479.8
152.5°	497.7	498.0	498.2	498.0	497.7	497.4	497.2	497.2	497.2	497.2	497.2
155°	515.1	515.4	515.6	515.4	515.1	514.7	514.5	514.7	515.1	515.4	515.6
157.5°	530.9	530.9	530.9	530.4	529.9	529.4	528.9	529.1	529.4	529.7	529.9
160°	544.2	544.2	544.2	543.7	543.2	542.7	542.2	542.2	542.2	542.2	542.2
162.5°	553.9	554.2	554.4	553.9	553.4	552.9	552.4	551.9	551.4	550.9	550.3
165°	565.2	565.5	565.7	564.9	564.2	563.4	562.6	562.1	561.6	561.1	560.6
167.5°	572.9	572.9	572.9	572.3	571.8	571.3	570.8	571.0	571.3	571.6	571.8
170°	578.5	578.2	578.0	577.8	577.5	577.1	576.9	577.5	578.0	578.5	579.0
172.5°	581.5	581.9	582.1	581.5	581.0	580.5	580.0	580.2	580.5	580.8	581.0
175°	585.6	585.9	586.2	585.3	584.6	583.9	583.1	582.6	582.1	581.5	581.0
177.5°	590.2	590.2	590.2	589.4	588.7	588.0	587.2	587.2	587.2	587.2	587.2
180°	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2



REPORT NUMBER: P228640

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

CANDELA DISTRIBUTION (continued):

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6
2.5°	781.3	780.0	766.8	769.5	765.6	757.6	758.9	760.3	762.9	757.6	754.9
5°	587.4	588.7	571.5	576.7	572.9	571.5	575.5	582.1	586.0	584.7	580.7
7.5°	417.1	418.4	403.9	402.5	398.6	397.3	402.5	409.2	413.2	411.8	413.2
10°	344.5	340.5	327.3	318.1	308.8	301.0	299.6	299.6	299.6	297.0	294.3
12.5°	285.1	281.1	265.3	257.4	249.5	238.9	237.5	236.3	232.3	228.3	223.1
15°	221.8	217.8	204.6	199.3	192.7	188.7	187.4	187.4	184.7	182.2	179.5
17.5°	161.0	158.4	150.5	145.2	143.8	145.2	146.5	149.1	150.5	151.8	151.8
20°	121.4	120.1	117.4	117.4	118.8	122.8	124.1	128.1	129.3	132.0	134.6
22.5°	106.9	106.9	105.6	105.6	108.2	112.2	114.9	116.1	117.4	118.8	118.8
25°	99.0	99.0	97.7	100.4	104.2	104.2	104.2	104.2	101.7	100.4	100.4
27.5°	93.7	93.7	93.7	95.0	93.7	92.4	92.4	92.4	91.0	91.0	89.7
30°	89.7	89.7	89.7	88.4	88.4	87.2	87.2	85.8	85.8	84.5	84.5
32.5°	83.2	80.5	83.2	80.5	80.5	79.2	80.5	80.5	77.8	77.8	77.8
35°	66.0	64.7	64.7	64.7	63.3	64.7	67.3	67.3	67.3	67.3	67.3
37.5°	62.0	62.0	60.8	59.4	59.4	58.1	59.4	58.1	58.1	58.1	59.4
40°	60.8	59.4	58.1	58.1	56.8	55.4	55.4	55.4	55.4	55.4	55.4
42.5°	58.1	58.1	55.4	54.1	54.1	52.8	52.8	52.8	52.8	52.8	52.8
45°	56.8	55.4	54.1	52.8	51.5	51.5	51.5	51.5	51.5	51.5	50.1
47.5°	55.4	54.1	52.8	51.5	50.1	48.8	48.8	48.8	48.8	48.8	48.8
50°	54.1	52.8	50.1	50.1	48.8	47.5	47.5	47.5	47.5	47.5	47.5
52.5°	51.5	51.5	48.8	47.5	46.2	46.2	46.2	46.2	46.2	46.2	46.2
55°	48.8	48.8	46.2	44.9	43.6	43.6	43.6	43.6	44.9	44.9	44.9
57.5°	47.5	46.2	43.6	43.6	40.9	40.9	40.9	42.2	42.2	43.6	43.6
60°	44.9	43.6	42.2	40.9	40.9	39.6	39.6	39.6	39.6	40.9	40.9
62.5°	43.6	42.2	39.6	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
65°	40.9	40.9	38.3	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
67.5°	38.3	38.3	35.6	34.3	34.3	34.3	35.6	34.3	34.3	34.3	34.3
70°	35.6	34.3	33.0	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
72.5°	31.7	31.7	30.4	29.1	29.1	29.1	29.1	29.1	29.1	29.1	30.4
75°	27.7	26.4	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
77.5°	23.7	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	22.4
80°	17.2	15.9	15.9	15.9	15.9	17.2	17.2	17.2	17.2	17.2	17.2
82.5°	10.5	9.2	9.2	9.2	10.5	11.9	11.9	11.9	11.9	13.2	13.2
85°	2.7	2.7	2.7	2.7	5.3	6.6	6.6	6.6	7.9	6.6	6.6
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°	4.9	4.6	4.1	4.1	4.1	4.6	4.9	5.1	5.6	6.1	6.6
100°	27.4	27.1	26.6	25.6	26.6	27.1	27.4	27.6	28.4	29.2	29.9
102.5°	49.3	49.6	50.1	49.1	50.1	49.6	49.3	49.1	49.6	50.1	50.6
105°	71.1	71.6	72.6	70.6	72.6	71.6	71.1	70.6	71.1	71.6	72.1
107.5°	93.3	93.6	94.1	93.1	94.1	93.6	93.3	93.1	93.3	93.6	93.9
110°	115.8	116.1	116.6	115.6	116.6	116.1	115.8	115.6	115.8	116.1	116.4



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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°	138.6	139.1	140.1	138.1	140.1	139.1	138.6	138.1	138.3	138.6	138.9	0°
115°	162.1	162.6	163.7	162.6	163.7	162.6	162.1	161.6	161.6	161.6	161.6	2.5°
117.5°	184.6	185.2	186.2	184.1	186.2	185.2	184.6	184.1	184.3	184.6	184.9	5°
120°	209.2	209.7	210.7	208.7	210.7	209.7	209.2	208.7	208.7	208.7	208.7	7.5°
122.5°	235.3	236.3	238.3	237.3	238.3	236.3	235.3	234.3	234.1	233.7	233.4	10°
125°	260.6	261.4	262.9	261.9	262.9	261.4	260.6	259.8	259.8	259.8	259.8	12.5°
127.5°	285.2	285.9	287.4	284.4	287.4	285.9	285.2	284.4	284.2	283.9	283.6	15°
130°	309.7	310.5	312.0	310.0	312.0	310.5	309.7	308.9	308.7	308.4	308.1	17.5°
132.5°	334.3	335.0	336.6	334.5	336.6	335.0	334.3	333.5	333.3	333.0	332.7	20°
135°	357.5	358.0	359.1	358.0	359.1	358.0	357.5	357.0	356.8	356.5	356.2	22.5°
137.5°	379.5	380.5	382.6	380.5	382.6	380.5	379.5	378.5	378.3	378.0	377.7	25°
140°	402.0	403.0	405.1	403.0	405.1	403.0	402.0	401.0	400.5	400.0	399.5	27.5°
142.5°	423.3	424.0	425.5	424.5	425.5	424.0	423.3	422.5	422.3	422.0	421.7	30°
145°	444.8	445.5	447.0	445.0	447.0	445.5	444.8	444.0	443.8	443.4	443.1	32.5°
147.5°	464.2	464.9	466.5	463.4	466.5	464.9	464.2	463.4	463.2	462.9	462.6	35°
150°	480.8	481.8	483.9	480.8	483.9	481.8	480.8	479.8	479.8	479.8	479.8	37.5°
152.5°	498.0	498.7	500.2	497.2	500.2	498.7	498.0	497.2	497.2	497.2	497.2	40°
155°	516.4	517.1	518.6	516.6	518.6	517.1	516.4	515.6	515.4	515.1	514.7	42.5°
157.5°	531.1	532.4	535.0	531.9	535.0	532.4	531.1	529.9	529.7	529.4	529.1	45°
160°	543.0	543.7	545.2	543.2	545.2	543.7	543.0	542.2	542.2	542.2	542.2	47.5°
162.5°	550.9	551.4	552.4	549.3	552.4	551.4	550.9	550.3	550.9	551.4	551.9	50°
165°	561.1	561.6	562.6	560.6	562.6	561.6	561.1	560.6	561.1	561.6	562.1	52.5°
167.5°	572.9	573.9	575.9	573.9	575.9	573.9	572.9	571.8	571.6	571.3	571.0	55°
170°	580.2	581.5	584.1	582.1	584.1	581.5	580.2	579.0	578.5	578.0	577.5	57.5°
172.5°	581.9	582.6	584.1	581.0	584.1	582.6	581.9	581.0	580.8	580.5	580.2	60°
175°	581.9	582.6	584.1	581.0	584.1	582.6	581.9	581.0	581.5	582.1	582.6	62.5°
177.5°	588.0	588.7	590.2	587.2	590.2	588.7	588.0	587.2	587.2	587.2	587.2	65°
180°	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	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°	115°
922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	112.5°	139.1
752.4	768.1	768.1	757.6	762.9	757.6	756.3	765.6	770.8	788.0	798.5	115°	161.6
582.1	601.9	603.2	597.9	604.5	600.6	604.5	616.4	625.6	637.5	648.0	117.5°	185.2
415.7	434.2	438.2	434.2	446.1	444.8	447.4	460.6	468.5	475.2	476.5	120°	208.7
293.0	295.6	306.2	303.6	311.5	310.2	314.1	324.7	335.2	339.2	341.9	122.5°	233.2
220.4	217.8	221.8	216.5	220.4	220.4	221.8	228.3	241.5	246.8	260.0	125°	259.8
178.2	175.5	175.5	172.9	172.9	171.5	172.9	178.2	187.4	195.4	205.9	127.5°	283.4
151.8	151.8	151.8	150.5	149.1	149.1	150.5	153.1	158.4	163.7	169.0	130°	307.9
136.0	138.6	139.9	141.3	142.5	143.8	145.2	149.1	147.8	142.5	136.0	132.5°	332.5
118.8	118.8	120.1	120.1	118.8	118.8	118.8	118.8	118.8	122.8	126.7	135°	356.0
99.0	99.0	99.0	100.4	99.0	99.0	100.4	100.4	101.7	104.2	108.2	137.5°	377.5
89.7	89.7	89.7	89.7	89.7	89.7	89.7	91.0	92.4	96.4	99.0	140°	399.0
83.2	83.2	81.8	81.8	81.8	80.5	81.8	81.8	83.2	88.4	92.4	142.5°	421.5
76.5	75.2	75.2	75.2	74.0	74.0	74.0	76.5	77.8	80.5	84.5	145°	442.9
67.3	67.3	67.3	68.6	68.6	68.6	68.6	71.3	71.3	72.6	72.6	147.5°	462.4
60.8	60.8	62.0	63.3	63.3	64.7	64.7	66.0	67.3	66.0	64.7	150°	479.8
55.4	56.8	56.8	59.4	59.4	59.4	60.8	62.0	63.3	60.8	60.8	152.5°	497.2
52.8	52.8	52.8	54.1	54.1	54.1	55.4	56.8	58.1	58.1	58.1	155°	514.5
50.1	50.1	50.1	51.5	50.1	50.1	50.1	51.5	54.1	54.1	55.4	157.5°	528.9
48.8	48.8	48.8	47.5	47.5	47.5	47.5	48.8	50.1	52.8	54.1	160°	542.2
47.5	46.2	46.2	46.2	46.2	46.2	46.2	47.5	48.8	50.1	52.8	162.5°	552.4
44.9	44.9	44.9	44.9	44.9	44.9	44.9	46.2	47.5	48.8	50.1	165°	562.6
44.9	44.9	43.6	43.6	44.9	44.9	44.9	46.2	47.5	48.8	48.8	167.5°	570.8
43.6	42.2	42.2	43.6	43.6	43.6	43.6	44.9	46.2	47.5	47.5	170°	576.9
40.9	40.9	40.9	40.9	42.2	42.2	43.6	44.9	44.9	46.2	46.2	172.5°	580.0
38.3	39.6	39.6	39.6	40.9	40.9	42.2	43.6	44.9	46.2	44.9	175°	583.1
36.9	38.3	38.3	38.3	39.6	39.6	39.6	42.2	43.6	43.6	44.9	177.5°	587.2
35.6	35.6	35.6	36.9	36.9	38.3	38.3	40.9	40.9	42.2	43.6	180°	589.2
33.0	33.0	33.0	34.3	34.3	35.6	36.9	38.3	38.3	39.6	40.9		
30.4	30.4	30.4	31.7	31.7	33.0	34.3	36.9	35.6	36.9	36.9		
26.4	26.4	27.7	27.7	29.1	30.4	31.7	31.7	31.7	31.7	31.7		
22.4	22.4	23.7	23.7	25.1	26.4	26.4	26.4	27.7	26.4	26.4		
18.5	18.5	19.8	19.8	19.8	19.8	21.1	19.8	21.1	19.8	21.1		
13.2	13.2	14.5	13.2	14.5	13.2	13.2	11.9	14.5	13.2	13.2		
5.3	6.6	6.6	6.6	6.6	5.3	5.3	4.0	5.3	5.3	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	0.0		
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
7.2	8.7	10.2	11.8	13.3	12.3	11.3	9.2	4.1	3.1	2.0		
30.7	31.2	31.7	32.2	32.7	32.2	31.7	30.7	22.5	14.3	10.2		
51.1	51.4	51.7	52.0	52.2	52.0	51.7	51.1	46.0	38.9	32.7		
72.6	72.6	72.6	72.6	72.6	72.4	72.1	71.6	67.5	62.4	57.3		
94.1	94.3	94.6	94.9	95.1	94.6	94.1	93.1	90.0	85.9	81.8		
116.6	116.6	116.6	116.6	116.6	116.1	115.6	114.6	112.5	108.4	105.4		

'228640
 ISC-AF-600-LED-E1-SLR-ULG

REPORT NUMBER: P228640
 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°
139.1	139.1	139.1	139.1	138.6	138.1	137.1	135.0	132.0	128.9	0°	922.6	922.6
161.6	161.6	161.6	161.6	161.1	160.6	159.6	157.5	154.5	152.4	2.5°	802.5	801.2
184.9	184.6	184.3	184.1	183.9	183.6	183.1	181.1	178.0	175.9	5°	649.4	646.7
208.7	208.7	208.7	208.7	208.2	207.7	206.6	205.6	202.5	200.5	7.5°	464.6	459.3
233.2	233.2	233.2	233.2	233.0	232.7	232.2	231.2	228.1	226.1	10°	343.2	347.1
259.6	259.3	259.0	258.8	258.6	258.3	257.8	256.8	253.7	252.7	12.5°	274.6	290.4
283.6	283.9	284.2	284.4	283.9	283.4	282.3	280.3	278.2	276.2	15°	220.4	229.7
307.9	307.9	307.9	307.9	307.4	306.9	305.9	304.8	300.7	299.7	17.5°	170.2	174.2
332.5	332.5	332.5	332.5	331.6	330.9	329.4	328.4	325.3	324.3	20°	136.0	136.0
356.0	356.0	356.0	356.0	355.2	354.5	352.9	352.9	348.8	346.8	22.5°	118.8	117.4
377.5	377.5	377.5	377.5	377.0	376.4	375.4	375.4	372.4	371.3	25°	112.2	110.9
399.0	399.0	399.0	399.0	398.7	398.4	397.9	396.9	394.9	393.8	27.5°	101.7	102.9
421.5	421.5	421.5	421.5	420.9	420.4	419.4	419.4	416.3	417.4	30°	95.0	96.4
443.1	443.4	443.8	444.0	443.4	442.9	441.9	440.9	437.8	437.8	32.5°	87.2	88.4
462.9	463.4	463.9	464.4	464.2	463.9	463.4	462.4	458.3	457.3	35°	71.3	71.3
480.3	480.8	481.3	481.8	481.6	481.3	480.8	479.8	475.7	474.6	37.5°	66.0	66.0
497.4	497.7	498.0	498.2	498.0	497.7	497.2	496.1	493.1	494.1	40°	62.0	63.3
514.7	515.1	515.4	515.6	515.4	515.1	514.5	514.5	512.5	513.5	42.5°	59.4	59.4
529.4	529.9	530.4	530.9	530.9	530.9	530.9	530.9	527.8	528.9	45°	56.8	58.1
542.7	543.2	543.7	544.2	544.2	544.2	544.2	544.2	541.1	541.1	47.5°	55.4	55.4
552.9	553.4	553.9	554.4	554.2	553.9	553.4	553.4	550.3	551.4	50°	52.8	54.1
563.4	564.2	564.9	565.7	565.5	565.2	564.7	564.7	560.6	561.6	52.5°	51.5	52.8
571.3	571.8	572.3	572.9	572.9	572.9	572.9	573.9	570.8	571.8	55°	50.1	50.1
577.1	577.5	577.8	578.0	578.2	578.5	579.0	580.0	578.0	579.0	57.5°	47.5	48.8
580.5	581.0	581.5	582.1	581.9	581.5	581.0	582.1	580.0	582.1	60°	47.5	47.5
583.9	584.6	585.3	586.2	585.9	585.6	585.1	585.1	582.1	583.1	62.5°	46.2	46.2
588.0	588.7	589.4	590.2	590.2	590.2	590.2	591.3	587.2	588.2	65°	44.9	44.9
589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	67.5°	42.2	42.2
										70°	39.6	39.6
										72.5°	36.9	35.6
										75°	31.7	31.7
										77.5°	26.4	26.4
										80°	19.8	18.5
										82.5°	11.9	10.5
										85°	4.0	4.0
										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°	8.2	8.2
										102.5°	28.6	28.6
										105°	55.2	55.2
										107.5°	78.8	79.8
										110°	104.3	103.3



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0-LED-E1-SLR-ULG

tinued):

CANDELA DISTRIBUTION (continued):

185°	195°	205°	215°	225°	230°	235°	240°	245°		175°	180°	185°
922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	112.5°	126.8	126.8	126.8
820.9	835.4	844.8	880.4	896.2	916.0	925.3	938.5	951.7	115°	150.4	149.4	150.4
670.5	689.0	704.8	756.3	786.6	814.4	836.8	857.9	888.2	117.5°	173.9	172.9	173.9
475.2	491.0	512.1	567.5	620.3	657.3	690.3	725.9	765.6	120°	199.5	197.4	199.5
362.9	386.7	414.4	456.6	498.9	525.3	554.3	593.9	641.5	122.5°	225.0	224.0	225.0
303.6	332.6	365.6	413.2	458.0	479.2	500.2	520.1	545.1	125°	251.6	249.6	251.6
240.2	267.9	307.5	362.9	415.7	439.6	464.6	488.4	510.8	127.5°	275.2	273.1	275.2
179.5	199.3	235.0	301.0	359.1	389.3	418.4	451.4	481.7	130°	298.7	296.7	298.7
137.3	146.5	171.5	223.1	294.3	332.6	369.6	411.8	455.3	132.5°	321.2	320.2	321.2
118.8	122.8	134.6	165.0	229.7	274.6	322.0	374.8	428.9	135°	344.7	343.7	344.7
109.6	112.2	118.8	133.3	179.5	227.0	275.9	339.2	405.2	137.5°	368.3	367.2	368.3
104.2	106.9	112.2	120.1	149.1	184.7	238.9	308.8	388.0	140°	391.8	390.8	391.8
97.7	100.4	109.6	118.8	136.0	158.4	204.6	273.2	361.6	142.5°	415.3	413.3	415.3
89.7	91.0	93.7	104.2	116.1	134.6	174.2	241.5	333.9	145°	435.8	434.8	435.8
72.6	76.5	81.8	92.4	104.2	118.8	155.8	220.4	316.8	147.5°	454.2	454.2	454.2
67.3	71.3	76.5	85.8	96.4	109.6	147.8	212.5	301.0	150°	472.6	471.6	472.6
63.3	67.3	72.6	83.2	89.7	105.6	143.8	200.6	285.1	152.5°	491.0	490.0	491.0
60.8	64.7	71.3	79.2	88.4	102.9	133.3	190.1	275.9	155°	511.5	510.5	511.5
58.1	62.0	70.0	76.5	89.7	97.7	126.7	182.2	267.9	157.5°	526.8	524.8	526.8
56.8	60.8	68.6	77.8	87.2	92.4	120.1	175.5	261.4	160°	539.1	537.0	539.1
55.4	59.4	67.3	85.8	83.2	88.4	114.9	170.2	257.4	162.5°	548.3	547.3	548.3
54.1	58.1	67.3	87.2	80.5	83.2	110.9	165.0	254.7	165°	559.6	558.5	559.6
51.5	56.8	67.3	80.5	75.2	80.5	102.9	157.0	248.2	167.5°	568.8	567.7	568.8
50.1	54.1	66.0	74.0	71.3	76.5	95.0	143.8	238.9	170°	575.9	574.9	575.9
48.8	52.8	66.0	66.0	67.3	72.6	85.8	128.1	223.1	172.5°	579.0	578.0	579.0
47.5	52.8	67.3	59.4	63.3	68.6	79.2	114.9	203.3	175°	582.1	580.0	582.1
46.2	50.1	58.1	56.8	60.8	64.7	76.5	105.6	186.1	177.5°	586.2	585.1	586.2
43.6	47.5	51.5	52.8	58.1	62.0	75.2	104.2	170.2	180°	589.2	589.2	589.2
39.6	43.6	46.2	50.1	54.1	59.4	75.2	102.9	158.4				
36.9	39.6	42.2	44.9	48.8	55.4	74.0	104.2	153.1				
31.7	34.3	36.9	39.6	43.6	51.5	70.0	97.7	137.3				
25.1	29.1	31.7	33.0	36.9	44.9	60.8	83.2	110.9				
18.5	22.4	23.7	26.4	29.1	34.3	47.5	60.8	81.8				
10.5	14.5	15.9	17.2	22.4	25.1	31.7	39.6	55.4				
4.0	6.6	7.9	9.2	13.2	14.5	19.8	25.1	29.1				
0.0	0.0	0.0	0.0	2.7	4.0	6.6	7.9	6.6				
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	3.1	4.1	9.2	11.3	13.3	10.2	7.2				
8.2	10.2	14.3	22.5	30.7	31.7	32.7	31.7	30.7				
28.6	32.7	38.9	46.0	51.1	51.7	52.2	51.7	51.1				
55.2	57.3	62.4	67.5	71.6	72.1	72.6	72.6	72.6				
78.8	81.8	85.9	90.0	93.1	94.1	95.1	94.6	94.1				
104.3	105.4	108.4	112.5	114.6	115.6	116.6	116.6	116.6				



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SLR-ULG

CANDELA DISTRIBUTION (continued):

195°	205°	215°	225°	230°	235°	240°	245°		250°	255°	260°	265°
128.9	132.0	135.0	137.1	138.1	139.1	139.1	139.1	0°	922.6	922.6	922.6	922.6
152.4	154.5	157.5	159.6	160.6	161.6	161.6	161.6	2.5°	967.5	980.7	997.8	1013.6
175.9	178.0	181.1	183.1	183.6	184.1	184.6	185.2	5°	912.1	937.1	974.1	1004.4
200.5	202.5	205.6	206.6	207.7	208.7	208.7	208.7	7.5°	799.8	834.1	880.4	922.6
226.1	228.1	231.2	232.2	232.7	233.2	233.2	233.2	10°	682.4	729.9	778.8	832.9
252.7	253.7	256.8	257.8	258.3	258.8	259.3	259.8	12.5°	586.0	640.2	695.6	762.9
276.2	278.2	280.3	282.3	283.4	284.4	283.9	283.4	15°	545.1	592.6	657.3	731.2
299.7	300.7	304.8	305.9	306.9	307.9	307.9	307.9	17.5°	527.9	588.7	662.6	740.4
324.3	325.3	328.4	329.4	330.9	332.5	332.5	332.5	20°	509.4	592.6	691.6	786.6
346.8	348.8	352.9	352.9	354.5	356.0	356.0	356.0	22.5°	498.9	605.8	728.5	861.8
371.3	372.4	375.4	375.4	376.4	377.5	377.5	377.5	25°	496.2	636.2	792.0	968.8
393.8	394.9	396.9	397.9	398.4	399.0	399.0	399.0	27.5°	498.9	670.5	871.1	1083.6
417.4	416.3	419.4	419.4	420.4	421.5	421.5	421.5	30°	487.0	706.1	950.3	1184.0
437.8	437.8	440.9	441.9	442.9	444.0	443.4	442.9	32.5°	467.3	732.5	1020.3	1264.5
457.3	458.3	462.4	463.4	463.9	464.4	463.4	462.4	35°	444.8	744.4	1070.4	1339.7
474.6	475.7	479.8	480.8	481.3	481.8	480.8	479.8	37.5°	421.0	745.7	1118.0	1418.8
494.1	493.1	496.1	497.2	497.7	498.2	497.7	497.2	40°	407.9	740.4	1166.8	1516.5
513.5	512.5	514.5	514.5	515.1	515.6	515.1	514.5	42.5°	402.5	731.2	1202.4	1590.5
528.9	527.8	530.9	530.9	530.9	530.9	529.9	528.9	45°	402.5	722.0	1235.4	1645.9
541.1	541.1	544.2	544.2	544.2	544.2	543.2	542.2	47.5°	403.9	725.9	1275.0	1735.6
551.4	550.3	553.4	553.4	553.9	554.4	553.4	552.4	50°	410.5	770.8	1342.3	1834.7
561.6	560.6	564.7	564.7	565.2	565.7	564.2	562.6	52.5°	421.0	842.1	1458.4	1952.1
571.8	570.8	573.9	572.9	572.9	572.9	571.8	570.8	55°	431.6	914.7	1610.2	2148.7
579.0	578.0	580.0	579.0	578.5	578.0	577.5	576.9	57.5°	440.8	968.8	1758.0	2344.1
582.1	580.0	582.1	581.0	581.5	582.1	581.0	580.0	60°	450.1	1011.0	1843.9	2431.2
583.1	582.1	585.1	585.1	585.6	586.2	584.6	583.1	62.5°	444.8	995.2	1867.6	2387.7
588.2	587.2	591.3	590.2	590.2	590.2	588.7	587.2	65°	425.0	912.1	1792.4	2237.2
589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	67.5°	370.9	766.8	1561.4	1999.6
								70°	307.5	601.9	1273.7	1702.6
								72.5°	258.7	450.1	979.4	1318.6
								75°	215.1	318.1	689.0	908.1
								77.5°	159.7	216.5	498.9	634.8
								80°	106.9	133.3	318.1	443.4
								82.5°	64.7	77.8	183.4	310.2
								85°	35.6	48.8	112.2	203.3
								87.5°	9.2	10.5	25.1	9.2
								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°	6.1	5.1	4.6	4.1
								100°	29.2	27.6	27.1	26.6
								102.5°	50.1	49.1	49.6	50.1
								105°	71.6	70.6	71.6	72.6
								107.5°	93.6	93.1	93.6	94.1
								110°	116.1	115.6	116.1	116.6

REPORT NUMBER: P228640

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

CANDELA DISTRIBUTION (continued):

270°	275°	280°	285°	290°	295°	300°		250°	255°	260°	265°	270°
922.6	922.6	922.6	922.6	922.6	922.6	922.6	112.5°	138.6	138.1	139.1	140.1	138.1
1025.5	1036.1	1049.3	1049.3	1065.1	1070.4	1081.0	115°	161.6	161.6	162.6	163.7	162.6
1041.4	1077.1	1110.0	1128.5	1160.1	1181.3	1202.4	117.5°	184.6	184.1	185.2	186.2	184.1
976.7	1034.8	1088.9	1139.1	1191.8	1236.7	1269.7	120°	208.7	208.7	209.7	210.7	208.7
890.9	953.0	1019.0	1086.3	1149.6	1213.0	1267.1	122.5°	233.7	234.3	236.3	238.3	237.3
830.2	896.2	974.1	1032.2	1098.1	1161.5	1214.2	125°	259.8	259.8	261.4	262.9	261.9
802.5	869.8	942.3	1001.8	1063.9	1115.3	1152.3	127.5°	283.9	284.4	285.9	287.4	284.4
817.0	898.9	963.5	1013.6	1059.9	1083.6	1088.9	130°	308.4	308.9	310.5	312.0	310.0
880.4	966.2	1013.6	1046.7	1054.6	1053.2	1033.5	132.5°	333.0	333.5	335.0	336.6	334.5
979.4	1079.6	1112.7	1106.0	1073.1	1030.8	997.8	135°	356.5	357.0	358.0	359.1	358.0
1112.7	1213.0	1231.4	1194.5	1120.5	1038.7	983.3	137.5°	378.0	378.5	380.5	382.6	380.5
1252.6	1355.5	1348.9	1293.5	1187.9	1073.1	984.6	140°	400.0	401.0	403.0	405.1	403.0
1351.5	1437.3	1411.0	1327.8	1210.4	1095.5	1001.8	142.5°	422.0	422.5	424.0	425.5	424.5
1454.5	1519.2	1471.6	1381.9	1260.5	1143.0	1046.7	145°	443.4	444.0	445.5	447.0	445.0
1565.4	1599.7	1523.2	1432.0	1321.2	1202.4	1098.1	147.5°	462.9	463.4	464.9	466.5	463.4
1672.3	1686.8	1576.0	1478.3	1370.0	1263.1	1168.1	150°	479.8	479.8	481.8	483.9	480.8
1787.1	1767.4	1631.4	1516.5	1409.6	1327.8	1249.9	152.5°	497.2	497.2	498.7	500.2	497.2
1886.1	1842.5	1682.9	1554.8	1458.4	1389.8	1335.7	155°	515.1	515.6	517.1	518.6	516.6
1960.0	1903.3	1731.7	1591.8	1506.0	1463.7	1437.3	157.5°	529.4	529.9	532.4	535.0	531.9
2023.4	1961.3	1769.9	1645.9	1572.0	1556.1	1565.4	160°	542.2	542.2	543.7	545.2	543.2
2102.6	2023.4	1821.5	1706.6	1661.7	1677.5	1730.3	162.5°	551.4	550.3	551.4	552.4	549.3
2225.3	2122.3	1907.2	1793.7	1772.6	1829.3	1929.7	165°	561.6	560.6	561.6	562.6	560.6
2423.3	2301.8	2059.0	1945.4	1920.4	2007.5	2151.4	167.5°	571.3	571.8	573.9	575.9	573.9
2594.9	2502.4	2259.6	2122.3	2111.8	2205.5	2362.6	170°	578.0	579.0	581.5	584.1	582.1
2672.8	2663.6	2466.8	2340.1	2324.3	2411.4	2560.5	172.5°	580.5	581.0	582.6	584.1	581.0
2666.1	2742.7	2635.8	2546.0	2491.9	2564.5	2709.7	175°	582.1	581.0	582.6	584.1	581.0
2569.8	2695.2	2704.4	2683.3	2585.6	2590.9	2693.8	177.5°	587.2	587.2	588.7	590.2	587.2
2381.0	2530.2	2686.0	2679.3	2555.2	2445.8	2466.8	180°	589.2	589.2	589.2	589.2	589.2
2113.1	2241.2	2489.2	2539.5	2362.6	2158.0	2061.7						
1693.4	1842.5	2210.8	2280.8	2039.3	1751.5	1602.4						
1168.1	1364.7	1929.7	1936.2	1655.1	1377.9	1216.9						
802.5	971.4	1560.1	1577.3	1313.3	1045.4	906.7						
539.8	650.7	1144.4	1071.7	867.2	724.7	689.0						
340.5	405.2	719.3	671.8	571.5	522.6	535.8						
158.4	221.8	393.3	384.1	360.3	315.5	274.6						
4.0	11.9	76.5	50.1	50.1	29.1	10.5						
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						
1.0	1.0	1.0	1.0	1.0	1.0	1.0						
4.1	4.1	4.6	5.1	6.1	7.2	10.2						
25.6	26.6	27.1	27.6	29.2	30.7	31.7						
49.1	50.1	49.6	49.1	50.1	51.1	51.7						
70.6	72.6	71.6	70.6	71.6	72.6	72.6						
93.1	94.1	93.6	93.1	93.6	94.1	94.6						
115.6	116.6	116.1	115.6	116.1	116.6	116.6						



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

CANDELA DISTRIBUTION (continued):

275°	280°	285°	290°	295°	300°		305°	310°	315°	325°	335°	340°
140.1	139.1	138.1	138.6	139.1	139.1	0°	922.6	922.6	922.6	922.6	922.6	922.6
163.7	162.6	161.6	161.6	161.6	161.6	2.5°	1071.7	1075.7	1074.4	1065.1	1041.4	1032.2
186.2	185.2	184.1	184.6	185.2	184.6	5°	1201.0	1207.7	1199.7	1177.3	1116.7	1087.6
210.7	209.7	208.7	208.7	208.7	208.7	7.5°	1292.2	1297.4	1284.2	1232.8	1124.5	1075.7
238.3	236.3	234.3	233.7	233.2	233.2	10°	1309.3	1321.2	1306.7	1232.8	1107.3	1046.7
262.9	261.4	259.8	259.8	259.8	259.3	12.5°	1260.5	1285.5	1275.0	1220.9	1099.5	1034.8
287.4	285.9	284.4	283.9	283.4	283.9	15°	1185.3	1187.9	1194.5	1193.2	1084.9	1021.6
312.0	310.5	308.9	308.4	307.9	307.9	17.5°	1102.1	1099.5	1107.3	1132.4	1081.0	1030.8
336.6	335.0	333.5	333.0	332.5	332.5	20°	1026.8	1023.0	1030.8	1055.9	1065.1	1053.2
359.1	358.0	357.0	356.5	356.0	356.0	22.5°	979.4	966.2	964.8	1001.8	1073.1	1104.8
382.6	380.5	378.5	378.0	377.5	377.5	25°	953.0	938.5	945.0	987.2	1106.0	1165.4
405.1	403.0	401.0	400.0	399.0	399.0	27.5°	945.0	929.1	938.5	985.9	1140.4	1239.4
425.5	424.0	422.5	422.0	421.5	421.5	30°	950.3	934.5	938.5	995.2	1157.6	1256.5
447.0	445.5	444.0	443.4	442.9	443.4	32.5°	980.7	953.0	950.3	1023.0	1189.2	1294.7
466.5	464.9	463.4	462.9	462.4	463.4	35°	1021.6	982.0	976.7	1067.8	1230.1	1343.6
483.9	481.8	479.8	479.8	479.8	480.8	37.5°	1090.3	1041.4	1033.5	1143.0	1285.5	1384.6
500.2	498.7	497.2	497.2	497.2	497.7	40°	1182.6	1133.7	1133.7	1239.4	1360.8	1441.3
518.6	517.1	515.6	515.1	514.5	515.1	42.5°	1286.9	1255.2	1260.5	1355.5	1446.6	1512.5
535.0	532.4	529.9	529.4	528.9	529.9	45°	1425.5	1408.3	1434.7	1502.0	1533.7	1578.6
545.2	543.7	542.2	542.2	542.2	543.2	47.5°	1587.8	1602.4	1639.3	1660.5	1622.1	1645.9
552.4	551.4	550.3	551.4	552.4	553.4	50°	1791.1	1829.3	1864.9	1859.7	1731.7	1723.8
562.6	561.6	560.6	561.6	562.6	564.2	52.5°	2024.7	2074.9	2099.9	2070.9	1854.4	1808.3
575.9	573.9	571.8	571.3	570.8	571.8	55°	2262.3	2323.0	2315.0	2282.1	1987.7	1925.7
584.1	581.5	579.0	578.0	576.9	577.5	57.5°	2477.4	2524.9	2546.0	2474.7	2150.0	2068.2
584.1	582.6	581.0	580.5	580.0	581.0	60°	2647.7	2699.2	2699.2	2629.2	2326.9	2231.9
584.1	582.6	581.0	582.1	583.1	584.6	62.5°	2771.8	2812.7	2798.2	2730.9	2478.7	2406.2
590.2	588.7	587.2	587.2	587.2	588.7	65°	2762.5	2766.5	2750.6	2725.6	2569.8	2561.9
589.2	589.2	589.2	589.2	589.2	589.2	67.5°	2502.4	2503.8	2535.5	2524.9	2501.1	2598.8
						70°	2051.1	2072.2	2126.3	2110.4	2231.9	2432.6
						72.5°	1561.4	1574.6	1639.3	1624.8	1789.8	2010.2
						75°	1136.4	1135.1	1162.8	1141.7	1350.2	1595.7
						77.5°	875.0	851.3	846.1	848.6	956.9	1160.1
						80°	706.1	706.1	698.2	669.2	586.0	678.4
						82.5°	563.5	541.1	501.6	444.8	376.1	401.2
						85°	281.1	273.2	238.9	197.9	165.0	219.1
						87.5°	1.3	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°	13.3	11.3	9.2	4.1	3.1	2.6
						100°	32.7	31.7	30.7	22.5	14.3	12.3
						102.5°	52.2	51.7	51.1	46.0	38.9	35.8
						105°	72.6	72.1	71.6	67.5	62.4	59.8
						107.5°	95.1	94.1	93.1	90.0	85.9	83.9
						110°	116.6	115.6	114.6	112.5	108.4	106.9



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CANDELA DISTRIBUTION (continued):

342.5°	345°	347.5°	350°	352.5°		305°	310°	315°	325°	335°	340°	342.5°
922.6	922.6	922.6	922.6	922.6	112.5°	139.1	138.1	137.1	135.0	132.0	130.4	129.7
1028.2	1017.6	1005.8	1005.8	995.2	115°	161.6	160.6	159.6	157.5	154.5	153.4	152.9
1070.4	1049.3	1032.2	1016.3	1000.4	117.5°	184.1	183.6	183.1	181.1	178.0	177.0	176.5
1049.3	1024.2	1003.1	975.4	950.3	120°	208.7	207.7	206.6	205.6	202.5	201.5	201.0
1017.6	989.9	959.5	930.5	894.9	122.5°	233.2	232.7	232.2	231.2	228.1	227.1	226.6
1000.4	967.5	930.5	900.2	859.3	125°	258.8	258.3	257.8	256.8	253.7	253.2	252.9
987.2	953.0	919.9	890.9	855.3	127.5°	284.4	283.4	282.3	280.3	278.2	277.2	276.7
1008.4	975.4	951.7	918.6	890.9	130°	307.9	306.9	305.9	304.8	300.7	300.2	299.9
1044.0	1024.2	1005.8	984.6	962.2	132.5°	332.5	330.9	329.4	328.4	325.3	324.8	324.5
1111.3	1108.7	1107.3	1091.5	1075.7	135°	356.0	354.5	352.9	352.9	348.8	347.8	347.3
1195.8	1206.4	1220.9	1220.9	1220.9	137.5°	377.5	376.4	375.4	375.4	372.4	371.8	371.5
1282.9	1309.3	1337.0	1348.9	1356.8	140°	399.0	398.4	397.9	396.9	394.9	394.3	394.0
1308.0	1346.3	1389.8	1418.8	1438.7	142.5°	421.5	420.4	419.4	419.4	416.3	416.9	417.2
1348.9	1392.4	1441.3	1474.3	1510.0	145°	444.0	442.9	441.9	440.9	437.8	437.8	437.8
1397.8	1436.0	1486.1	1531.1	1582.5	147.5°	464.4	463.9	463.4	462.4	458.3	457.8	457.5
1438.7	1488.8	1542.9	1601.0	1667.0	150°	481.8	481.3	480.8	479.8	475.7	475.2	474.9
1500.7	1553.5	1612.9	1690.7	1771.2	152.5°	498.2	497.7	497.2	496.1	493.1	493.6	493.9
1569.3	1626.1	1688.1	1766.0	1859.7	155°	515.6	515.1	514.5	514.5	512.5	513.0	513.3
1628.7	1678.9	1746.2	1826.7	1933.6	157.5°	530.9	530.9	530.9	530.9	527.8	528.4	528.7
1685.5	1731.7	1810.8	1892.7	1998.3	160°	544.2	544.2	544.2	544.2	541.1	541.1	541.1
1760.7	1796.3	1875.6	1969.3	2081.4	162.5°	554.4	553.9	553.4	553.4	550.3	550.9	551.2
1838.5	1887.4	1974.5	2081.4	2206.8	165°	565.7	565.2	564.7	564.7	560.6	561.1	561.4
1944.2	2002.2	2109.1	2230.5	2389.0	167.5°	572.9	572.9	572.9	573.9	570.8	571.3	571.6
2089.4	2150.0	2263.6	2399.5	2561.9	170°	578.0	578.5	579.0	580.0	578.0	578.5	578.8
2267.6	2326.9	2424.6	2559.2	2711.0	172.5°	582.1	581.5	581.0	582.1	580.0	581.0	581.5
2433.8	2515.6	2604.1	2704.4	2824.6	175°	586.2	585.6	585.1	585.1	582.1	582.6	582.9
2614.7	2678.0	2751.9	2790.2	2857.5	177.5°	590.2	590.2	590.2	591.3	587.2	587.7	588.0
2667.4	2720.2	2785.0	2785.0	2777.0	180°	589.2	589.2	589.2	589.2	589.2	589.2	589.2
2511.8	2592.3	2649.0	2649.0	2581.7								
2184.4	2319.0	2374.5	2408.7	2323.0								
1775.2	1942.9	2033.9	2063.0	1907.2								
1302.7	1409.6	1421.5	1425.5	1215.6								
751.1	835.4	865.8	909.4	728.5								
435.6	467.3	518.7	537.2	443.4								
244.2	246.8	246.8	228.3	186.1								
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	0.0								
1.0	1.0	1.0	1.0	1.0								
2.3	2.0	2.0	2.0	2.0								
11.3	10.2	9.7	9.2	8.7								
34.3	32.7	31.7	30.7	29.7								
58.5	57.3	56.8	56.3	55.8								
82.9	81.8	81.0	80.3	79.6								
106.2	105.4	105.2	104.9	104.5								

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

CANDELA DISTRIBUTION (continued):

345°	347.5°	350°	352.5°		355°	359°	360°
128.9	128.4	127.9	127.4	0°	922.6	922.6	922.6
152.4	151.9	151.4	150.9	2.5°	992.6	976.7	979.4
175.9	175.4	174.9	174.4	5°	978.0	955.6	947.7
200.5	200.3	200.0	199.7	7.5°	927.9	889.6	877.7
226.1	225.9	225.6	225.3	10°	867.2	818.4	809.1
252.7	252.5	252.2	251.9	12.5°	832.9	777.4	765.6
276.2	276.0	275.7	275.4	15°	822.2	769.5	756.3
299.7	299.5	299.2	298.9	17.5°	854.0	797.2	781.3
324.3	323.5	322.7	322.0	20°	926.6	859.3	840.8
346.8	346.3	345.8	345.2	22.5°	1034.8	958.2	935.8
371.3	370.5	369.8	369.1	25°	1181.3	1094.1	1071.7
393.8	393.3	392.8	392.3	27.5°	1331.8	1227.4	1198.5
417.4	416.9	416.3	415.8	30°	1418.8	1322.5	1293.5
437.8	437.3	436.8	436.3	32.5°	1507.3	1414.9	1380.6
457.3	456.4	455.7	455.0	35°	1601.0	1507.3	1472.9
474.6	474.1	473.6	473.1	37.5°	1710.6	1631.4	1601.0
494.1	493.3	492.6	491.8	40°	1841.2	1768.7	1725.1
513.5	513.0	512.5	512.0	42.5°	1949.4	1882.1	1841.2
528.9	528.4	527.8	527.3	45°	2028.6	1971.9	1929.7
541.1	540.6	540.1	539.6	47.5°	2101.2	2057.7	2015.4
551.4	550.6	549.8	549.1	50°	2192.3	2155.4	2126.3
561.6	561.1	560.6	560.1	52.5°	2315.0	2301.8	2276.8
571.8	571.0	570.3	569.6	55°	2495.9	2524.9	2489.2
579.0	578.2	577.5	576.7	57.5°	2667.4	2688.6	2672.8
582.1	581.2	580.5	579.8	60°	2802.1	2773.0	2753.3
583.1	582.9	582.6	582.3	62.5°	2870.7	2799.4	2766.5
588.2	587.7	587.2	586.7	65°	2874.7	2765.1	2715.0
589.2	589.2	589.2	589.2	67.5°	2785.0	2656.9	2598.8
				70°	2543.4	2395.5	2319.0
				72.5°	2136.8	1909.8	1858.4
				75°	1566.6	1288.2	1257.8
				77.5°	949.0	740.4	700.8
				80°	534.6	425.0	411.8
				82.5°	303.6	238.9	252.1
				85°	124.1	62.0	68.6
				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°	8.2	8.2	8.2
				102.5°	28.6	28.6	28.6
				105°	55.2	55.2	55.2
				107.5°	78.8	79.6	79.8
				110°	104.3	103.5	103.3

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CANDELA DISTRIBUTION (continued):

	355°	359°	360°
112.5°	126.8	126.8	126.8
115°	150.4	149.6	149.4
117.5°	173.9	173.1	172.9
120°	199.5	197.8	197.4
122.5°	225.0	224.2	224.0
125°	251.6	250.0	249.6
127.5°	275.2	273.5	273.1
130°	298.7	297.1	296.7
132.5°	321.2	320.4	320.2
135°	344.7	343.9	343.7
137.5°	368.3	367.4	367.2
140°	391.8	391.0	390.8
142.5°	415.3	413.7	413.3
145°	435.8	435.0	434.8
147.5°	454.2	454.2	454.2
150°	472.6	471.8	471.6
152.5°	491.0	490.2	490.0
155°	511.5	510.7	510.5
157.5°	526.8	525.2	524.8
160°	539.1	537.5	537.0
162.5°	548.3	547.5	547.3
165°	559.6	558.7	558.5
167.5°	568.8	567.9	567.7
170°	575.9	575.1	574.9
172.5°	579.0	578.2	578.0
175°	582.1	580.4	580.0
177.5°	586.2	585.3	585.1
180°	589.2	589.2	589.2

(END OF REPORT)