

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: P228638

Luminaire Tested: **ISC-AF-800-LED-E1-SLR-7050-ULG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P228638  
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-800-LED-E1-SLR-7050-ULG  
Description: IMPACT ELITE LED CYLINDER LUMINAIRE WITH UPLIGHT  
LIGHT SQUARE WITH ACCUED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT, WITH  
UPLIGHT GLOW  
Light Source: (16) 5000K CCT, 70 CRI LEDs and (1) UPLIGHT LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5506.2 lumens  
Efficiency: N/A  
Efficacy: 91.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U5 - G1  
  
Input Watts (W): 60.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

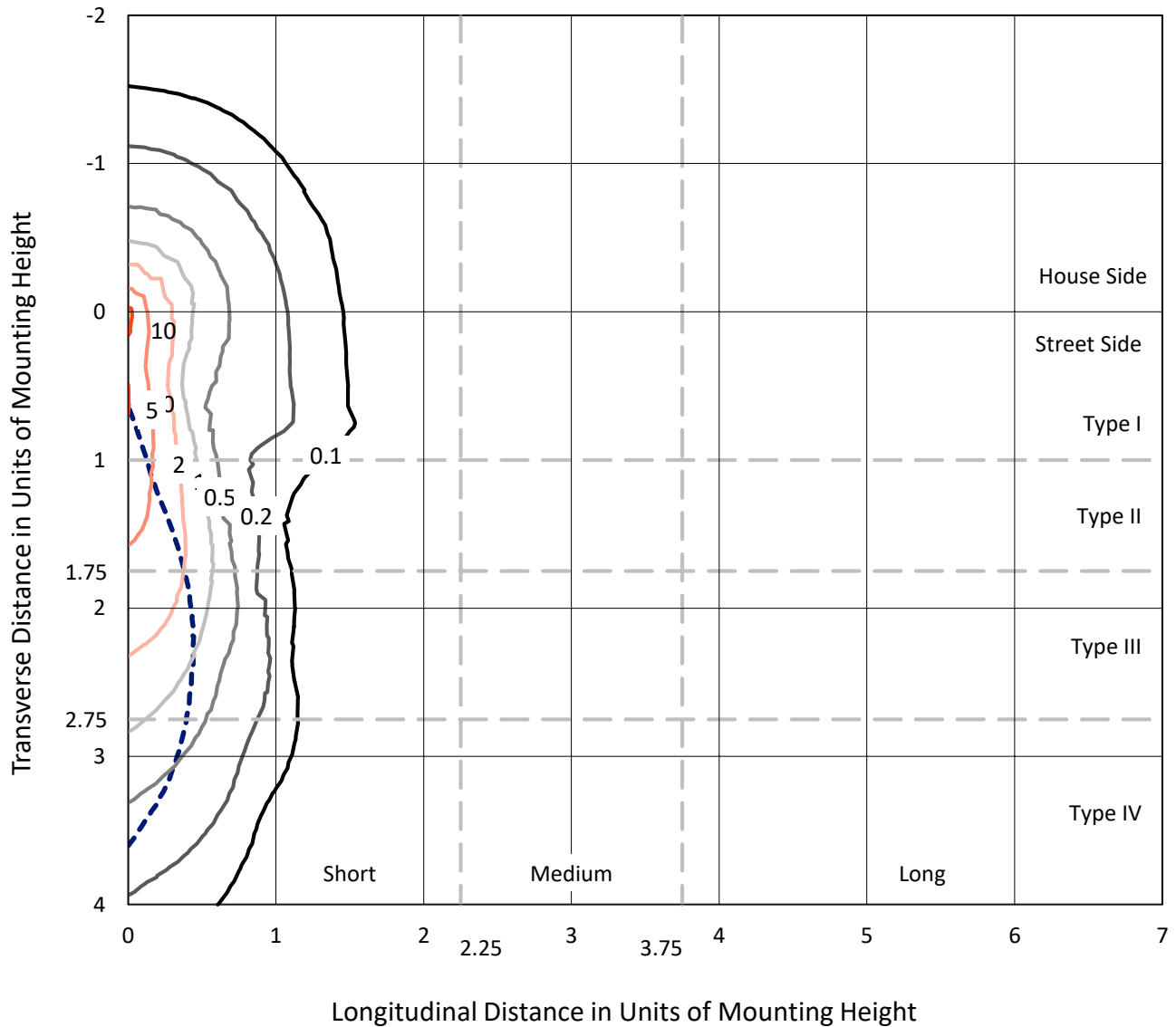


REPORT NUMBER: P228638

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-7050-ULG

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

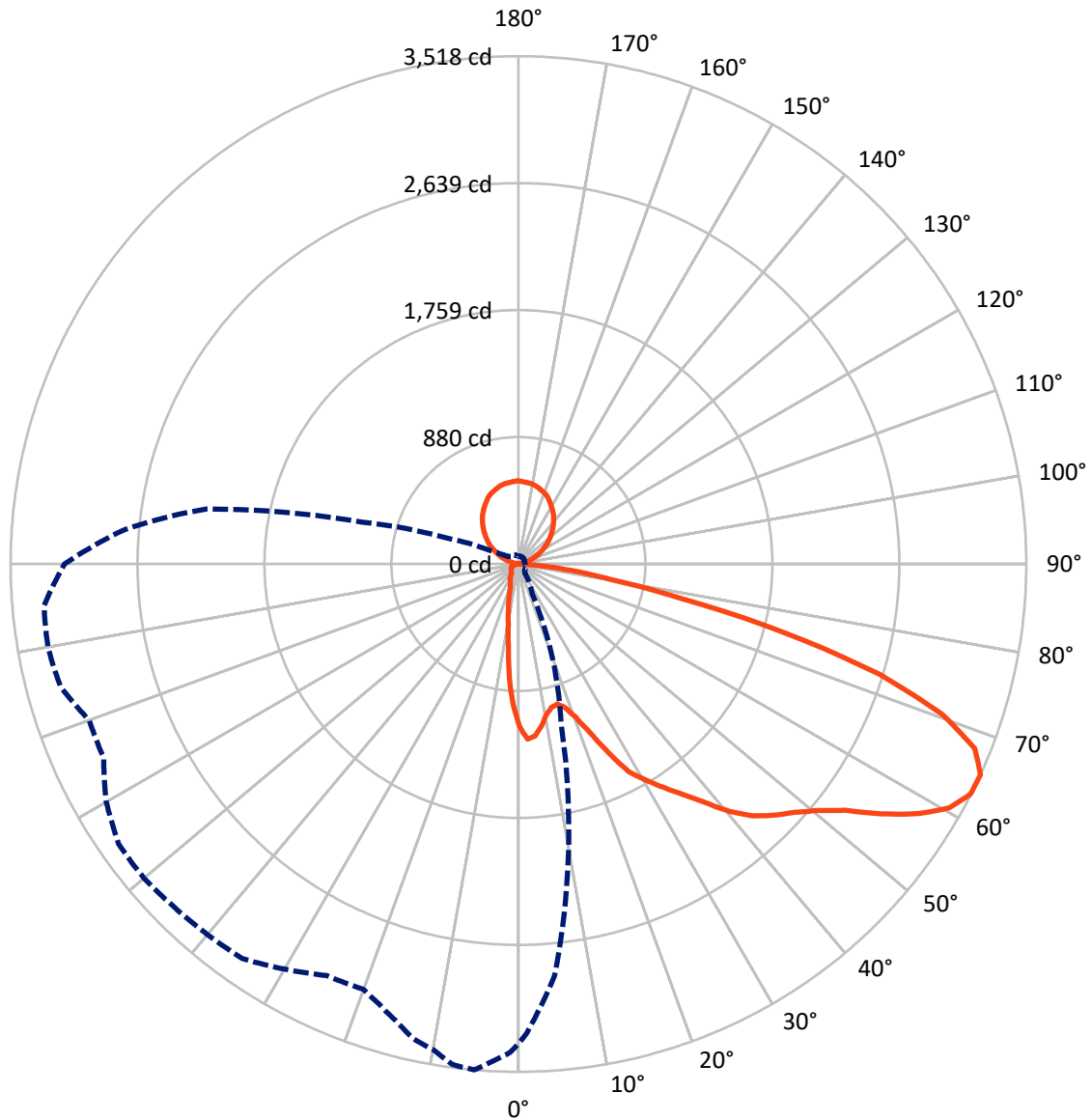


Based on 10 foot mounting height. Maximum calculated value = 11.3 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P228638

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-7050-ULG

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P228638

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-7050-ULG

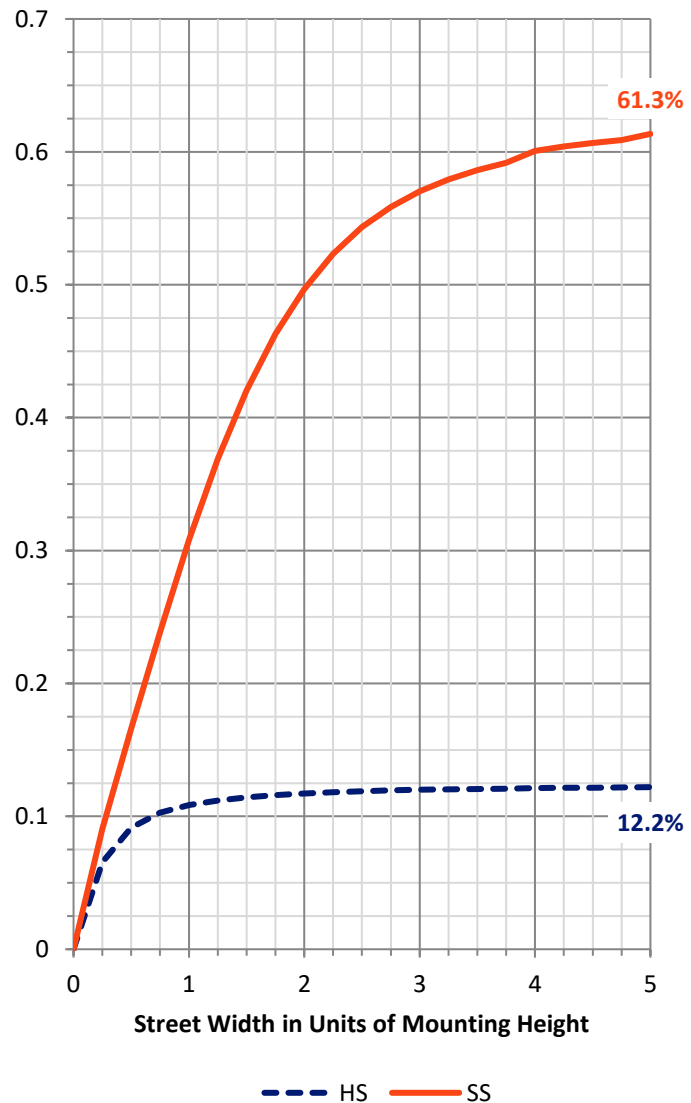
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	678.4	713.1	1391.5
	% Fixture	12.3	13.0	25.3
<b>Street Side</b>	Lumens	3401.6	713.1	4114.7
	% Fixture	61.8	13.0	74.7
<b>Total</b>	Lumens	4080.0	1426.2	5506.2
	% Fixture	74.1	25.9	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.7	1.6
10°-20°	178.7	3.2
20°-30°	259.7	4.7
30°-40°	384.1	7.0
40°-50°	559.6	10.2
50°-60°	838.9	15.2
60°-70°	1045.4	19.0
70°-80°	612.4	11.1
80°-90°	114.5	2.1
90°-100°	4.7	0.1
100°-110°	69.0	1.3
110°-120°	153.0	2.8
120°-130°	223.9	4.1
130°-140°	265.6	4.8
140°-150°	269.3	4.9
150°-160°	231.1	4.2
160°-170°	155.1	2.8
170°-180°	54.3	1.0
0°-90°	4080.0	74.1
0°-180°	5506.2	100.0



REPORT NUMBER: P228638

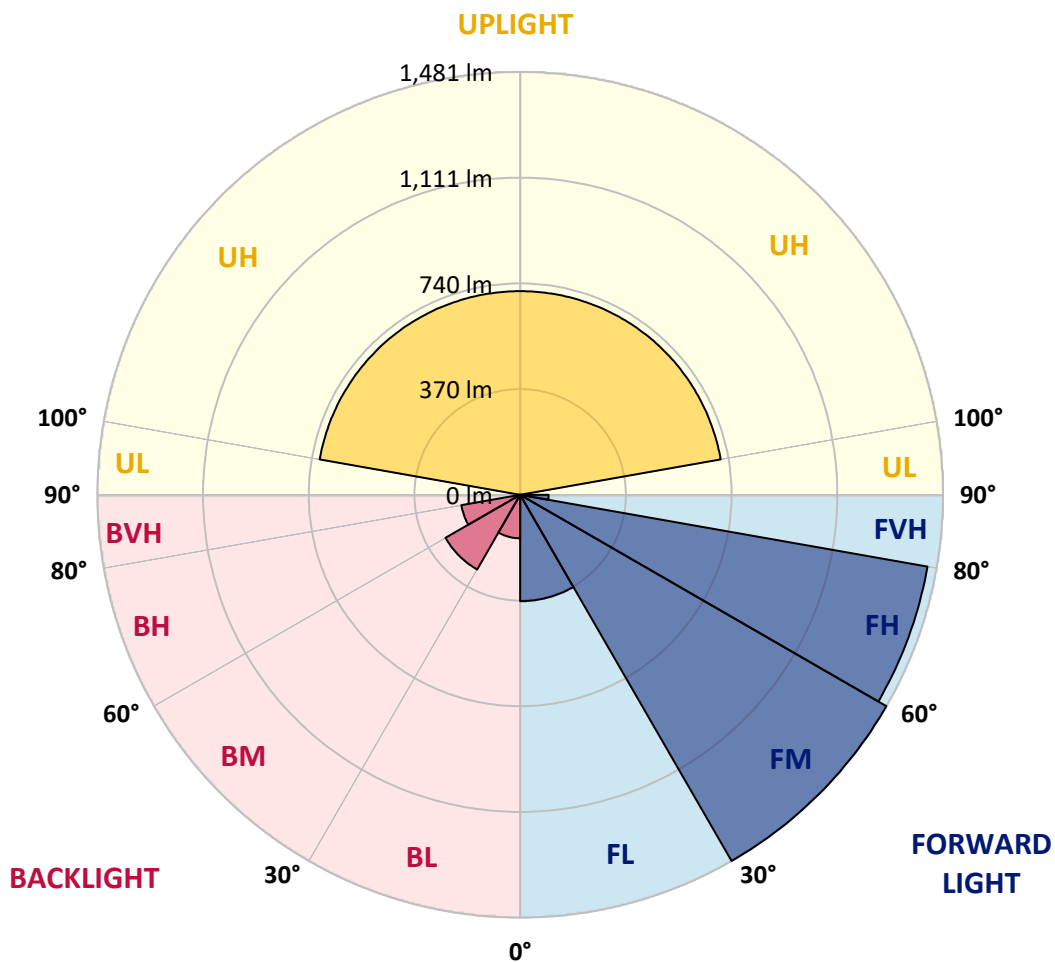
CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-7050-ULG

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	372.7	6.8			
FM (30°-60°)	1480.7	26.9			
FH (60°-80°)	1448.4	26.3			G1/1800
FVH (80°-90°)	99.8	1.8			G1/100
BL (0°-30°)	152.3	2.8	B1/500		
BM (30°-60°)	301.9	5.5	B1/1000		
BH (60°-80°)	209.4	3.8	B1/500		G1/500
BVH (80°-90°)	14.8	0.3			G1/100
UL (90°-100°)	4.7	0.1		U1/10	
UH (100°-180°)	713.1	13.0		U4/1000	

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

Type IV Short





REPORT NUMBER: P228638

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-7050-ULG

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°
0°	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1
2.5°	1198.6	1188.9	1169.5	1130.7	1090.3	1051.6	1045.1	1030.6	1032.2	1024.1	1020.9
5°	1159.8	1146.9	1106.5	1025.7	956.3	885.2	880.3	851.3	854.5	836.7	827.0
7.5°	1074.2	1056.4	1011.2	899.7	802.8	709.1	699.4	665.5	660.7	642.9	628.4
10°	990.2	972.4	915.9	788.3	676.8	607.4	596.0	579.9	567.0	558.9	544.4
12.5°	936.9	927.2	859.3	712.3	625.1	568.6	554.0	537.9	525.0	510.4	495.9
15°	925.6	906.2	836.7	688.1	586.4	516.9	499.1	481.4	466.8	452.3	431.3
17.5°	956.3	936.9	859.3	676.8	542.7	458.7	436.1	411.9	397.4	379.6	357.0
20°	1028.9	998.3	903.0	660.7	495.9	390.9	363.4	334.4	318.2	287.5	271.4
22.5°	1145.3	1106.5	977.3	660.7	452.3	319.8	289.1	263.3	245.5	218.1	200.3
25°	1311.6	1277.7	1098.4	678.4	413.5	260.1	229.4	203.5	185.8	166.4	155.1
27.5°	1466.7	1413.4	1227.6	704.3	382.8	218.1	187.4	166.4	153.5	143.8	137.3
30°	1583.0	1539.4	1340.7	722.0	337.6	182.5	163.1	150.2	143.8	138.9	135.7
32.5°	1689.6	1639.5	1421.5	733.3	310.1	155.1	137.3	127.6	121.1	114.7	113.1
35°	1802.7	1754.2	1516.8	731.7	292.4	142.1	124.4	113.1	106.6	105.0	101.8
37.5°	1959.4	1893.1	1626.6	731.7	285.9	137.3	116.3	105.0	100.1	96.9	95.3
40°	2111.2	2036.9	1747.8	736.6	279.4	134.1	116.3	105.0	96.9	93.7	90.5
42.5°	2253.3	2171.0	1857.6	744.7	276.2	124.4	109.8	103.4	100.1	93.7	88.8
45°	2361.6	2297.0	1943.2	760.8	276.2	117.9	103.4	98.5	96.9	96.9	95.3
47.5°	2466.6	2393.9	2041.7	791.5	281.1	113.1	98.5	92.1	92.1	92.1	93.7
50°	2602.3	2516.6	2177.4	854.5	281.1	111.5	93.7	87.2	85.6	88.8	88.8
52.5°	2786.4	2725.0	2376.1	945.0	277.8	109.8	92.1	82.4	80.8	82.4	85.6
55°	3046.5	2977.0	2616.8	1056.4	274.6	106.6	88.8	80.8	77.5	75.9	77.5
57.5°	3271.0	3211.2	2838.1	1145.3	266.5	98.5	85.6	79.1	74.3	72.7	71.1
60°	3369.5	3319.4	2980.2	1205.0	252.0	90.5	80.8	75.9	71.1	69.5	67.8
62.5°	3385.7	3322.7	2981.9	1217.9	235.8	82.4	75.9	71.1	67.8	66.2	64.6
65°	3322.7	3251.6	2863.9	1138.8	222.9	82.4	72.7	67.8	63.0	61.4	59.8
67.5°	3180.5	3070.7	2565.1	966.0	211.6	84.0	71.1	63.0	59.8	58.2	56.5
70°	2838.1	2715.3	2166.1	767.3	206.8	85.6	71.1	59.8	54.9	53.3	53.3
72.5°	2274.3	2133.8	1689.6	578.3	198.7	87.2	69.5	56.5	51.7	48.5	48.5
75°	1539.4	1416.6	1145.3	390.9	164.8	75.9	63.0	51.7	45.2	42.0	40.4
77.5°	857.7	817.3	728.5	206.8	105.0	56.5	48.5	42.0	37.2	35.5	33.9
80°	504.0	483.0	429.7	114.7	64.6	32.3	29.1	27.5	24.2	24.2	24.2
82.5°	308.5	287.5	266.5	51.7	30.7	16.2	16.2	12.9	12.9	11.3	11.3
85°	84.0	77.5	108.2	11.3	3.2	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	5.2	6.5	7.8	9.0	10.0
100°	8.0	8.0	8.0	10.0	14.0	22.0	24.0	26.0	28.0	30.0	30.5
102.5°	28.0	28.0	28.0	32.0	38.0	45.0	46.2	47.5	48.8	50.0	50.2
105°	54.0	54.0	54.0	56.0	61.0	66.0	67.0	68.0	69.0	70.0	70.2
107.5°	78.0	77.8	77.0	80.0	84.0	88.0	88.8	89.5	90.2	91.0	91.5
110°	101.0	101.2	102.0	103.0	106.0	110.0	110.5	111.0	111.5	112.0	112.5



REPORT NUMBER: P228638

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-7050-ULG

**CANDELA DISTRIBUTION (continued):**

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





REPORT NUMBER: P228638

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-7050-ULG

**CANDELA DISTRIBUTION (continued):**

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
0°	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1
2.5°	1007.9	1004.7	1004.7	980.5	980.5	967.6	964.3	964.3	969.2	966.0	946.6
5°	810.9	801.2	794.7	765.7	757.6	743.0	736.6	735.0	739.8	731.7	705.9
7.5°	610.6	602.5	592.8	570.2	560.5	558.9	539.5	534.7	531.4	525.0	508.8
10°	533.1	521.7	513.7	497.5	486.2	478.1	462.0	453.9	447.4	437.7	432.9
12.5°	479.7	468.4	457.1	436.1	421.6	411.9	402.2	386.1	379.6	368.3	361.8
15°	413.5	400.6	387.7	365.1	345.7	336.0	316.6	306.9	300.4	287.5	281.1
17.5°	332.8	315.0	300.4	279.4	269.8	253.6	242.3	226.1	213.2	208.4	203.5
20°	250.4	234.2	221.3	203.5	193.8	180.9	174.5	163.1	156.7	153.5	150.2
22.5°	184.1	171.2	163.1	153.5	148.6	143.8	140.5	137.3	134.1	132.5	132.5
25°	145.4	140.5	137.3	134.1	132.5	130.8	127.6	126.0	124.4	122.8	122.8
27.5°	132.5	129.2	127.6	126.0	124.4	121.1	121.1	117.9	116.3	116.3	114.7
30°	134.1	134.1	134.1	130.8	129.2	126.0	124.4	119.5	116.3	113.1	111.5
32.5°	109.8	109.8	108.2	105.0	103.4	101.8	101.8	98.5	96.9	96.9	100.1
35°	100.1	98.5	96.9	93.7	92.1	88.8	87.2	85.6	84.0	82.4	82.4
37.5°	95.3	93.7	92.1	88.8	87.2	85.6	84.0	80.8	79.1	79.1	77.5
40°	90.5	90.5	90.5	87.2	85.6	82.4	80.8	79.1	77.5	75.9	75.9
42.5°	87.2	87.2	87.2	85.6	84.0	82.4	79.1	77.5	75.9	74.3	72.7
45°	88.8	87.2	87.2	85.6	84.0	80.8	79.1	75.9	74.3	72.7	71.1
47.5°	95.3	93.7	90.5	87.2	84.0	80.8	77.5	74.3	72.7	71.1	69.5
50°	90.5	96.9	98.5	93.7	85.6	80.8	77.5	74.3	71.1	69.5	67.8
52.5°	88.8	90.5	96.9	96.9	88.8	82.4	77.5	74.3	71.1	67.8	66.2
55°	80.8	85.6	87.2	88.8	87.2	80.8	75.9	71.1	69.5	66.2	63.0
57.5°	71.1	74.3	75.9	79.1	80.8	79.1	72.7	67.8	66.2	63.0	59.8
60°	66.2	66.2	66.2	67.8	75.9	82.4	75.9	66.2	61.4	59.8	56.5
62.5°	61.4	61.4	59.8	61.4	63.0	71.1	69.5	63.0	59.8	58.2	54.9
65°	59.8	58.2	56.5	56.5	56.5	56.5	56.5	56.5	54.9	54.9	53.3
67.5°	54.9	53.3	53.3	51.7	51.7	51.7	51.7	51.7	50.1	50.1	48.5
70°	51.7	50.1	48.5	48.5	48.5	46.8	46.8	46.8	45.2	45.2	45.2
72.5°	46.8	45.2	45.2	45.2	43.6	43.6	43.6	42.0	42.0	40.4	40.4
75°	40.4	40.4	38.8	38.8	38.8	37.2	37.2	37.2	37.2	35.5	35.5
77.5°	33.9	32.3	33.9	32.3	32.3	32.3	32.3	32.3	30.7	30.7	29.1
80°	22.6	22.6	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	22.6
82.5°	12.9	11.3	12.9	12.9	12.9	14.5	14.5	16.2	14.5	14.5	12.9
85°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	3.2	3.2	3.2
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°	11.0	12.0	13.0	11.5	10.0	8.5	7.0	6.5	6.0	5.5	5.0
100°	31.0	31.5	32.0	31.5	31.0	30.5	30.0	29.2	28.5	27.8	27.0
102.5°	50.5	50.8	51.0	50.8	50.5	50.2	50.0	49.5	49.0	48.5	48.0
105°	70.5	70.8	71.0	71.0	71.0	71.0	71.0	70.5	70.0	69.5	69.0
107.5°	92.0	92.5	93.0	92.8	92.5	92.2	92.0	91.8	91.5	91.2	91.0
110°	113.0	113.5	114.0	114.0	114.0	114.0	114.0	113.8	113.5	113.2	113.0



REPORT NUMBER: P228638

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-7050-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: P228638

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-7050-ULG

**CANDELA DISTRIBUTION (continued):**

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1
2.5°	956.3	954.6	938.5	941.7	936.9	927.2	928.8	930.4	933.6	927.2	924.0
5°	718.8	720.4	699.4	705.9	701.0	699.4	704.3	712.3	717.2	715.6	710.7
7.5°	510.4	512.1	494.3	492.7	487.8	486.2	492.7	500.7	505.6	504.0	505.6
10°	421.6	416.7	400.6	389.3	378.0	368.3	366.7	366.7	366.7	363.4	360.2
12.5°	348.9	344.1	324.7	315.0	305.3	292.4	290.8	289.1	284.3	279.4	273.0
15°	271.4	266.5	250.4	243.9	235.8	231.0	229.4	229.4	226.1	222.9	219.7
17.5°	197.1	193.8	184.1	177.7	176.1	177.7	179.3	182.5	184.1	185.8	185.8
20°	148.6	147.0	143.8	143.8	145.4	150.2	151.8	156.7	158.3	161.5	164.8
22.5°	130.8	130.8	129.2	129.2	132.5	137.3	140.5	142.1	143.8	145.4	145.4
25°	121.1	121.1	119.5	122.8	127.6	127.6	127.6	127.6	124.4	122.8	122.8
27.5°	114.7	114.7	114.7	116.3	114.7	113.1	113.1	113.1	111.5	111.5	109.8
30°	109.8	109.8	109.8	108.2	108.2	106.6	106.6	105.0	105.0	103.4	103.4
32.5°	101.8	98.5	101.8	98.5	98.5	96.9	98.5	98.5	95.3	95.3	95.3
35°	80.8	79.1	79.1	79.1	77.5	79.1	82.4	82.4	82.4	82.4	82.4
37.5°	75.9	75.9	74.3	72.7	72.7	71.1	72.7	71.1	71.1	71.1	72.7
40°	74.3	72.7	71.1	71.1	69.5	67.8	67.8	67.8	67.8	67.8	67.8
42.5°	71.1	71.1	67.8	66.2	66.2	64.6	64.6	64.6	64.6	64.6	64.6
45°	69.5	67.8	66.2	64.6	63.0	63.0	63.0	63.0	63.0	63.0	61.4
47.5°	67.8	66.2	64.6	63.0	61.4	59.8	59.8	59.8	59.8	59.8	59.8
50°	66.2	64.6	61.4	61.4	59.8	58.2	58.2	58.2	58.2	58.2	58.2
52.5°	63.0	63.0	59.8	58.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5
55°	59.8	59.8	56.5	54.9	53.3	53.3	53.3	53.3	54.9	54.9	54.9
57.5°	58.2	56.5	53.3	53.3	50.1	50.1	50.1	51.7	51.7	53.3	53.3
60°	54.9	53.3	51.7	50.1	50.1	48.5	48.5	48.5	48.5	50.1	50.1
62.5°	53.3	51.7	48.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
65°	50.1	50.1	46.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
67.5°	46.8	46.8	43.6	42.0	42.0	42.0	43.6	42.0	42.0	42.0	42.0
70°	43.6	42.0	40.4	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
72.5°	38.8	38.8	37.2	35.5	35.5	35.5	35.5	35.5	35.5	35.5	37.2
75°	33.9	32.3	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
77.5°	29.1	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	27.5
80°	21.0	19.4	19.4	19.4	19.4	21.0	21.0	21.0	21.0	21.0	21.0
82.5°	12.9	11.3	11.3	11.3	12.9	14.5	14.5	14.5	14.5	16.2	16.2
85°	3.2	3.2	3.2	3.2	6.5	8.1	8.1	8.1	9.7	8.1	8.1
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°	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: P228638  
 CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-7050-ULG

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°	
112.5°	135.5	136.0	137.0	135.0	137.0	136.0	135.5	135.0	135.2	135.5	135.8	0°
115°	158.5	159.0	160.0	159.0	160.0	159.0	158.5	158.0	158.0	158.0	158.0	2.5°
117.5°	180.5	181.0	182.0	180.0	182.0	181.0	180.5	180.0	180.2	180.5	180.8	5°
120°	204.5	205.0	206.0	204.0	206.0	205.0	204.5	204.0	204.0	204.0	204.0	7.5°
122.5°	230.0	231.0	233.0	232.0	233.0	231.0	230.0	229.0	228.8	228.5	228.2	10°
125°	254.8	255.5	257.0	256.0	257.0	255.5	254.8	254.0	254.0	254.0	254.0	12.5°
127.5°	278.8	279.5	281.0	278.0	281.0	279.5	278.8	278.0	277.8	277.5	277.2	15°
130°	302.8	303.5	305.0	303.0	305.0	303.5	302.8	302.0	301.8	301.5	301.2	17.5°
132.5°	326.8	327.5	329.0	327.0	329.0	327.5	326.8	326.0	325.8	325.5	325.2	20°
135°	349.5	350.0	351.0	350.0	351.0	350.0	349.5	349.0	348.8	348.5	348.2	22.5°
137.5°	371.0	372.0	374.0	372.0	374.0	372.0	371.0	370.0	369.8	369.5	369.2	25°
140°	393.0	394.0	396.0	394.0	396.0	394.0	393.0	392.0	391.5	391.0	390.5	27.5°
142.5°	413.8	414.5	416.0	415.0	416.0	414.5	413.8	413.0	412.8	412.5	412.2	30°
145°	434.8	435.5	437.0	435.0	437.0	435.5	434.8	434.0	433.8	433.5	433.2	32.5°
147.5°	453.8	454.5	456.0	453.0	456.0	454.5	453.8	453.0	452.8	452.5	452.2	35°
150°	470.0	471.0	473.0	470.0	473.0	471.0	470.0	469.0	469.0	469.0	469.0	37.5°
152.5°	486.8	487.5	489.0	486.0	489.0	487.5	486.8	486.0	486.0	486.0	486.0	40°
155°	504.8	505.5	507.0	505.0	507.0	505.5	504.8	504.0	503.8	503.5	503.2	42.5°
157.5°	519.2	520.5	523.0	520.0	523.0	520.5	519.2	518.0	517.8	517.5	517.2	45°
160°	530.8	531.5	533.0	531.0	533.0	531.5	530.8	530.0	530.0	530.0	530.0	47.5°
162.5°	538.5	539.0	540.0	537.0	540.0	539.0	538.5	538.0	538.5	539.0	539.5	50°
165°	548.5	549.0	550.0	548.0	550.0	549.0	548.5	548.0	548.5	549.0	549.5	52.5°
167.5°	560.0	561.0	563.0	561.0	563.0	561.0	560.0	559.0	558.8	558.5	558.2	55°
170°	567.2	568.5	571.0	569.0	571.0	568.5	567.2	566.0	565.5	565.0	564.5	57.5°
172.5°	568.8	569.5	571.0	568.0	571.0	569.5	568.8	568.0	567.8	567.5	567.2	60°
175°	568.8	569.5	571.0	568.0	571.0	569.5	568.8	568.0	568.5	569.0	569.5	62.5°
177.5°	574.8	575.5	577.0	574.0	577.0	575.5	574.8	574.0	574.0	574.0	574.0	65°
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	67.5°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°
												110°



NUMBER: P228638  
 NUMBER: ISC-AF-800-LED-E1-SLR-7050-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°	
1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	112.5°	136.0
920.7	940.1	940.1	927.2	933.6	927.2	925.6	936.9	943.3	964.3	977.3	115°	158.0
712.3	736.6	738.2	731.7	739.8	735.0	739.8	754.3	765.7	780.2	793.1	117.5°	181.0
508.8	531.4	536.3	531.4	546.0	544.4	547.6	563.7	573.4	581.5	583.1	120°	204.0
358.6	361.8	374.8	371.5	381.2	379.6	384.4	397.4	410.3	415.1	418.4	122.5°	228.0
269.8	266.5	271.4	264.9	269.8	269.8	271.4	279.4	295.6	302.1	318.2	125°	254.0
218.1	214.8	214.8	211.6	211.6	210.0	211.6	218.1	229.4	239.1	252.0	127.5°	277.0
185.8	185.8	185.8	184.1	182.5	182.5	184.1	187.4	193.8	200.3	206.8	130°	301.0
166.4	169.6	171.2	172.8	174.5	176.1	177.7	182.5	180.9	174.5	166.4	132.5°	325.0
145.4	145.4	147.0	147.0	145.4	145.4	145.4	145.4	145.4	150.2	155.1	135°	348.0
121.1	121.1	121.1	122.8	121.1	121.1	122.8	122.8	124.4	127.6	132.5	137.5°	369.0
109.8	109.8	109.8	109.8	109.8	109.8	109.8	111.5	113.1	117.9	121.1	140°	390.0
101.8	101.8	100.1	100.1	100.1	98.5	100.1	100.1	101.8	108.2	113.1	142.5°	412.0
93.7	92.1	92.1	92.1	90.5	90.5	90.5	93.7	95.3	98.5	103.4	145°	433.0
82.4	82.4	82.4	84.0	84.0	84.0	84.0	87.2	87.2	88.8	88.8	147.5°	452.0
74.3	74.3	75.9	77.5	77.5	79.1	79.1	80.8	82.4	80.8	79.1	150°	469.0
67.8	69.5	69.5	72.7	72.7	72.7	74.3	75.9	77.5	74.3	74.3	152.5°	486.0
64.6	64.6	64.6	66.2	66.2	66.2	67.8	69.5	71.1	71.1	71.1	155°	503.0
61.4	61.4	61.4	63.0	61.4	61.4	61.4	63.0	66.2	66.2	67.8	157.5°	517.0
59.8	59.8	59.8	58.2	58.2	58.2	58.2	59.8	61.4	64.6	66.2	160°	530.0
58.2	56.5	56.5	56.5	56.5	56.5	56.5	58.2	59.8	61.4	64.6	162.5°	540.0
54.9	54.9	54.9	54.9	54.9	54.9	54.9	56.5	58.2	59.8	61.4	165°	550.0
54.9	54.9	53.3	53.3	54.9	54.9	54.9	56.5	58.2	59.8	59.8	167.5°	558.0
53.3	51.7	51.7	53.3	53.3	53.3	53.3	54.9	56.5	58.2	58.2	170°	564.0
50.1	50.1	50.1	50.1	51.7	51.7	53.3	54.9	54.9	56.5	56.5	172.5°	567.0
46.8	48.5	48.5	48.5	50.1	50.1	51.7	53.3	54.9	56.5	54.9	175°	570.0
45.2	46.8	46.8	46.8	48.5	48.5	48.5	51.7	53.3	53.3	54.9	177.5°	574.0
43.6	43.6	43.6	45.2	45.2	46.8	46.8	50.1	50.1	51.7	53.3	180°	576.0
40.4	40.4	40.4	42.0	42.0	43.6	45.2	46.8	46.8	48.5	50.1		
37.2	37.2	37.2	38.8	38.8	40.4	42.0	45.2	43.6	45.2	45.2		
32.3	32.3	33.9	33.9	35.5	37.2	38.8	38.8	38.8	38.8	38.8		
27.5	27.5	29.1	29.1	30.7	32.3	32.3	32.3	33.9	32.3	32.3		
22.6	22.6	24.2	24.2	24.2	24.2	25.8	24.2	25.8	24.2	25.8		
16.2	16.2	17.8	16.2	17.8	16.2	16.2	14.5	17.8	16.2	16.2		
6.5	8.1	8.1	8.1	8.1	6.5	6.5	4.8	6.5	6.5	4.8		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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		

'228638  
 ISC-AF-800-LED-E1-SLR-7050-ULG

REPORT NUMBER: P228638  
 CATALOG NUMBER: ISC-AF-80

**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°	1129.1	1129.1
158.0	158.0	158.0	158.0	157.5	157.0	156.0	154.0	151.0	149.0	2.5°	982.1	980.5
180.8	180.5	180.2	180.0	179.8	179.5	179.0	177.0	174.0	172.0	5°	794.7	791.5
204.0	204.0	204.0	204.0	203.5	203.0	202.0	201.0	198.0	196.0	7.5°	568.6	562.1
228.0	228.0	228.0	228.0	227.8	227.5	227.0	226.0	223.0	221.0	10°	420.0	424.8
253.8	253.5	253.2	253.0	252.8	252.5	252.0	251.0	248.0	247.0	12.5°	336.0	355.4
277.2	277.5	277.8	278.0	277.5	277.0	276.0	274.0	272.0	270.0	15°	269.8	281.1
301.0	301.0	301.0	301.0	300.5	300.0	299.0	298.0	294.0	293.0	17.5°	208.4	213.2
325.0	325.0	325.0	325.0	324.2	323.5	322.0	321.0	318.0	317.0	20°	166.4	166.4
348.0	348.0	348.0	348.0	347.2	346.5	345.0	345.0	341.0	339.0	22.5°	145.4	143.8
369.0	369.0	369.0	369.0	368.5	368.0	367.0	367.0	364.0	363.0	25°	137.3	135.7
390.0	390.0	390.0	390.0	389.8	389.5	389.0	388.0	386.0	385.0	27.5°	124.4	126.0
412.0	412.0	412.0	412.0	411.5	411.0	410.0	410.0	407.0	408.0	30°	116.3	117.9
433.2	433.5	433.8	434.0	433.5	433.0	432.0	431.0	428.0	428.0	32.5°	106.6	108.2
452.5	453.0	453.5	454.0	453.8	453.5	453.0	452.0	448.0	447.0	35°	87.2	87.2
469.5	470.0	470.5	471.0	470.8	470.5	470.0	469.0	465.0	464.0	37.5°	80.8	80.8
486.2	486.5	486.8	487.0	486.8	486.5	486.0	485.0	482.0	483.0	40°	75.9	77.5
503.2	503.5	503.8	504.0	503.8	503.5	503.0	503.0	501.0	502.0	42.5°	72.7	72.7
517.5	518.0	518.5	519.0	519.0	519.0	519.0	519.0	516.0	517.0	45°	69.5	71.1
530.5	531.0	531.5	532.0	532.0	532.0	532.0	532.0	529.0	529.0	47.5°	67.8	67.8
540.5	541.0	541.5	542.0	541.8	541.5	541.0	541.0	538.0	539.0	50°	64.6	66.2
550.8	551.5	552.2	553.0	552.8	552.5	552.0	552.0	548.0	549.0	52.5°	63.0	64.6
558.5	559.0	559.5	560.0	560.0	560.0	560.0	561.0	558.0	559.0	55°	61.4	61.4
564.2	564.5	564.8	565.0	565.2	565.5	566.0	567.0	565.0	566.0	57.5°	58.2	59.8
567.5	568.0	568.5	569.0	568.8	568.5	568.0	569.0	567.0	569.0	60°	58.2	58.2
570.8	571.5	572.2	573.0	572.8	572.5	572.0	572.0	569.0	570.0	62.5°	56.5	56.5
574.8	575.5	576.2	577.0	577.0	577.0	577.0	578.0	574.0	575.0	65°	54.9	54.9
576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	67.5°	51.7	51.7
										70°	48.5	48.5
										72.5°	45.2	43.6
										75°	38.8	38.8
										77.5°	32.3	32.3
										80°	24.2	22.6
										82.5°	14.5	12.9
										85°	4.8	4.8
										87.5°	0.0	0.0
										90°	0.0	0.0
										92.5°	0.0	0.0
										95°	1.0	1.0
										97.5°	2.0	2.0
										100°	8.0	8.0
										102.5°	28.0	28.0
										105°	54.0	54.0
										107.5°	77.0	78.0
										110°	102.0	101.0



REPORT NUMBER: P228638

CATALOG NUMBER: ISC-AF-800-LED-E1-S

0-LED-E1-SLR-7050-ULG

**tinued):**

**CANDELA DISTRIBUTION (continued):**

185°	195°	205°	215°	225°	230°	235°	240°	245°		175°	180°	185°
1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	112.5°	124.0	124.0	124.0
1004.7	1022.5	1033.8	1077.4	1096.8	1121.0	1132.3	1148.5	1164.6	115°	147.0	146.0	147.0
820.6	843.2	862.6	925.6	962.7	996.6	1024.1	1049.9	1087.1	117.5°	170.0	169.0	170.0
581.5	600.9	626.7	694.6	759.2	804.4	844.8	888.4	936.9	120°	195.0	193.0	195.0
444.2	473.3	507.2	558.9	610.6	642.9	678.4	726.9	785.0	122.5°	220.0	219.0	220.0
371.5	407.1	447.4	505.6	560.5	586.4	612.2	636.4	667.1	125°	246.0	244.0	246.0
294.0	327.9	376.4	444.2	508.8	537.9	568.6	597.7	625.1	127.5°	269.0	267.0	269.0
219.7	243.9	287.5	368.3	439.4	476.5	512.1	552.4	589.6	130°	292.0	290.0	292.0
168.0	179.3	210.0	273.0	360.2	407.1	452.3	504.0	557.3	132.5°	314.0	313.0	314.0
145.4	150.2	164.8	201.9	281.1	336.0	394.1	458.7	525.0	135°	337.0	336.0	337.0
134.1	137.3	145.4	163.1	219.7	277.8	337.6	415.1	495.9	137.5°	360.0	359.0	360.0
127.6	130.8	137.3	147.0	182.5	226.1	292.4	378.0	474.9	140°	383.0	382.0	383.0
119.5	122.8	134.1	145.4	166.4	193.8	250.4	334.4	442.6	142.5°	406.0	404.0	406.0
109.8	111.5	114.7	127.6	142.1	164.8	213.2	295.6	408.7	145°	426.0	425.0	426.0
88.8	93.7	100.1	113.1	127.6	145.4	190.6	269.8	387.7	147.5°	444.0	444.0	444.0
82.4	87.2	93.7	105.0	117.9	134.1	180.9	260.1	368.3	150°	462.0	461.0	462.0
77.5	82.4	88.8	101.8	109.8	129.2	176.1	245.5	348.9	152.5°	480.0	479.0	480.0
74.3	79.1	87.2	96.9	108.2	126.0	163.1	232.6	337.6	155°	500.0	499.0	500.0
71.1	75.9	85.6	93.7	109.8	119.5	155.1	222.9	327.9	157.5°	515.0	513.0	515.0
69.5	74.3	84.0	95.3	106.6	113.1	147.0	214.8	319.8	160°	527.0	525.0	527.0
67.8	72.7	82.4	105.0	101.8	108.2	140.5	208.4	315.0	162.5°	536.0	535.0	536.0
66.2	71.1	82.4	106.6	98.5	101.8	135.7	201.9	311.8	165°	547.0	546.0	547.0
63.0	69.5	82.4	98.5	92.1	98.5	126.0	192.2	303.7	167.5°	556.0	555.0	556.0
61.4	66.2	80.8	90.5	87.2	93.7	116.3	176.1	292.4	170°	563.0	562.0	563.0
59.8	64.6	80.8	80.8	82.4	88.8	105.0	156.7	273.0	172.5°	566.0	565.0	566.0
58.2	64.6	82.4	72.7	77.5	84.0	96.9	140.5	248.8	175°	569.0	567.0	569.0
56.5	61.4	71.1	69.5	74.3	79.1	93.7	129.2	227.8	177.5°	573.0	572.0	573.0
53.3	58.2	63.0	64.6	71.1	75.9	92.1	127.6	208.4	180°	576.0	576.0	576.0
48.5	53.3	56.5	61.4	66.2	72.7	92.1	126.0	193.8				
45.2	48.5	51.7	54.9	59.8	67.8	90.5	127.6	187.4				
38.8	42.0	45.2	48.5	53.3	63.0	85.6	119.5	168.0				
30.7	35.5	38.8	40.4	45.2	54.9	74.3	101.8	135.7				
22.6	27.5	29.1	32.3	35.5	42.0	58.2	74.3	100.1				
12.9	17.8	19.4	21.0	27.5	30.7	38.8	48.5	67.8				
4.8	8.1	9.7	11.3	16.2	17.8	24.2	30.7	35.5				
0.0	0.0	0.0	0.0	3.2	4.8	8.1	9.7	8.1				
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	0.0	0.0	0.0				
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0				
2.0	2.0	3.0	4.0	9.0	11.0	13.0	10.0	7.0				
8.0	10.0	14.0	22.0	30.0	31.0	32.0	31.0	30.0				
28.0	32.0	38.0	45.0	50.0	50.5	51.0	50.5	50.0				
54.0	56.0	61.0	66.0	70.0	70.5	71.0	71.0	71.0				
77.0	80.0	84.0	88.0	91.0	92.0	93.0	92.5	92.0				
102.0	103.0	106.0	110.0	112.0	113.0	114.0	114.0	114.0				



REPORT NUMBER: P228638

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-7050-L

SLR-7050-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°	1129.1	1129.1	1129.1	1129.1
149.0	151.0	154.0	156.0	157.0	158.0	158.0	158.0	2.5°	1184.0	1200.2	1221.2	1240.6
172.0	174.0	177.0	179.0	179.5	180.0	180.5	181.0	5°	1116.2	1146.9	1192.1	1229.2
196.0	198.0	201.0	202.0	203.0	204.0	204.0	204.0	7.5°	978.9	1020.9	1077.4	1129.1
221.0	223.0	226.0	227.0	227.5	228.0	228.0	228.0	10°	835.1	893.3	953.0	1019.3
247.0	248.0	251.0	252.0	252.5	253.0	253.5	254.0	12.5°	717.2	783.4	851.3	933.6
270.0	272.0	274.0	276.0	277.0	278.0	277.5	277.0	15°	667.1	725.3	804.4	894.9
293.0	294.0	298.0	299.0	300.0	301.0	301.0	301.0	17.5°	646.1	720.4	810.9	906.2
317.0	318.0	321.0	322.0	323.5	325.0	325.0	325.0	20°	623.5	725.3	846.4	962.7
339.0	341.0	345.0	345.0	346.5	348.0	348.0	348.0	22.5°	610.6	741.4	891.6	1054.8
363.0	364.0	367.0	367.0	368.0	369.0	369.0	369.0	25°	607.4	778.6	969.2	1185.6
385.0	386.0	388.0	389.0	389.5	390.0	390.0	390.0	27.5°	610.6	820.6	1066.1	1326.2
408.0	407.0	410.0	410.0	411.0	412.0	412.0	412.0	30°	596.0	864.2	1163.0	1448.9
428.0	428.0	431.0	432.0	433.0	434.0	433.5	433.0	32.5°	571.8	896.5	1248.6	1547.5
447.0	448.0	452.0	453.0	453.5	454.0	453.0	452.0	35°	544.4	911.0	1310.0	1639.5
464.0	465.0	469.0	470.0	470.5	471.0	470.0	469.0	37.5°	515.3	912.6	1368.2	1736.5
483.0	482.0	485.0	486.0	486.5	487.0	486.5	486.0	40°	499.1	906.2	1427.9	1856.0
502.0	501.0	503.0	503.0	503.5	504.0	503.5	503.0	42.5°	492.7	894.9	1471.5	1946.4
517.0	516.0	519.0	519.0	519.0	519.0	518.0	517.0	45°	492.7	883.6	1511.9	2014.3
529.0	529.0	532.0	532.0	532.0	532.0	531.0	530.0	47.5°	494.3	888.4	1560.4	2124.1
539.0	538.0	541.0	541.0	541.5	542.0	541.0	540.0	50°	502.4	943.3	1642.8	2245.3
549.0	548.0	552.0	552.0	552.5	553.0	551.5	550.0	52.5°	515.3	1030.6	1784.9	2389.0
559.0	558.0	561.0	560.0	560.0	560.0	559.0	558.0	55°	528.2	1119.4	1970.7	2629.7
566.0	565.0	567.0	566.0	565.5	565.0	564.5	564.0	57.5°	539.5	1185.6	2151.6	2868.8
569.0	567.0	569.0	568.0	568.5	569.0	568.0	567.0	60°	550.8	1237.3	2256.6	2975.4
570.0	569.0	572.0	572.0	572.5	573.0	571.5	570.0	62.5°	544.4	1217.9	2285.7	2922.1
575.0	574.0	578.0	577.0	577.0	577.0	575.5	574.0	65°	520.1	1116.2	2193.6	2737.9
576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	67.5°	453.9	938.5	1910.9	2447.2
								70°	376.4	736.6	1558.8	2083.7
								72.5°	316.6	550.8	1198.6	1613.7
								75°	263.3	389.3	843.2	1111.3
								77.5°	195.5	264.9	610.6	777.0
								80°	130.8	163.1	389.3	542.7
								82.5°	79.1	95.3	224.5	379.6
								85°	43.6	59.8	137.3	248.8
								87.5°	11.3	12.9	30.7	11.3
								90°	0.0	0.0	0.0	0.0
								92.5°	0.0	0.0	0.0	0.0
								95°	1.0	1.0	1.0	1.0
								97.5°	6.0	5.0	4.5	4.0
								100°	28.5	27.0	26.5	26.0
								102.5°	49.0	48.0	48.5	49.0
								105°	70.0	69.0	70.0	71.0
								107.5°	91.5	91.0	91.5	92.0
								110°	113.5	113.0	113.5	114.0



REPORT NUMBER: P228638

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-7050-ULG

JLG

**CANDELA DISTRIBUTION (continued):**

270°	275°	280°	285°	290°	295°	300°		250°	255°	260°	265°	270°
1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1	112.5°	135.5	135.0	136.0	137.0	135.0
1255.1	1268.0	1284.2	1284.2	1303.6	1310.0	1322.9	115°	158.0	158.0	159.0	160.0	159.0
1274.5	1318.1	1358.5	1381.1	1419.9	1445.7	1471.5	117.5°	180.5	180.0	181.0	182.0	180.0
1195.3	1266.4	1332.6	1394.0	1458.6	1513.5	1553.9	120°	204.0	204.0	205.0	206.0	204.0
1090.3	1166.2	1247.0	1329.4	1406.9	1484.5	1550.7	122.5°	228.5	229.0	231.0	233.0	232.0
1016.0	1096.8	1192.1	1263.2	1343.9	1421.5	1486.1	125°	254.0	254.0	255.5	257.0	256.0
982.1	1064.5	1153.3	1226.0	1301.9	1364.9	1410.2	127.5°	277.5	278.0	279.5	281.0	278.0
999.9	1100.0	1179.2	1240.6	1297.1	1326.2	1332.6	130°	301.5	302.0	303.5	305.0	303.0
1077.4	1182.4	1240.6	1280.9	1290.6	1289.0	1264.8	132.5°	325.5	326.0	327.5	329.0	327.0
1198.6	1321.3	1361.7	1353.6	1313.2	1261.6	1221.2	135°	348.5	349.0	350.0	351.0	350.0
1361.7	1484.5	1507.1	1461.8	1371.4	1271.2	1203.4	137.5°	369.5	370.0	372.0	374.0	372.0
1532.9	1658.9	1650.8	1583.0	1453.8	1313.2	1205.0	140°	391.0	392.0	394.0	396.0	394.0
1654.1	1759.1	1726.8	1625.0	1481.2	1340.7	1226.0	142.5°	412.5	413.0	414.5	416.0	415.0
1780.1	1859.2	1801.1	1691.2	1542.6	1398.9	1280.9	145°	433.5	434.0	435.5	437.0	435.0
1915.8	1957.7	1864.1	1752.6	1616.9	1471.5	1343.9	147.5°	452.5	453.0	454.5	456.0	453.0
2046.6	2064.4	1928.7	1809.1	1676.7	1545.8	1429.5	150°	469.0	469.0	471.0	473.0	470.0
2187.1	2162.9	1996.5	1856.0	1725.1	1625.0	1529.7	152.5°	486.0	486.0	487.5	489.0	486.0
2308.3	2255.0	2059.5	1902.8	1784.9	1700.9	1634.7	155°	503.5	504.0	505.5	507.0	505.0
2398.7	2329.3	2119.3	1948.1	1843.1	1791.4	1759.1	157.5°	517.5	518.0	520.5	523.0	520.0
2476.3	2400.3	2166.1	2014.3	1923.8	1904.4	1915.8	160°	530.0	530.0	531.5	533.0	531.0
2573.2	2476.3	2229.1	2088.6	2033.7	2053.1	2117.7	162.5°	539.0	538.0	539.0	540.0	537.0
2723.4	2597.4	2334.1	2195.2	2169.4	2238.8	2361.6	165°	549.0	548.0	549.0	550.0	548.0
2965.7	2817.1	2519.9	2381.0	2350.3	2456.9	2632.9	167.5°	558.5	559.0	561.0	563.0	561.0
3175.7	3062.6	2765.4	2597.4	2584.5	2699.2	2891.4	170°	565.0	566.0	568.5	571.0	569.0
3271.0	3259.7	3019.0	2863.9	2844.5	2951.2	3133.7	172.5°	567.5	568.0	569.5	571.0	568.0
3262.9	3356.6	3225.8	3115.9	3049.7	3138.5	3316.2	175°	569.0	568.0	569.5	571.0	568.0
3145.0	3298.4	3309.8	3283.9	3164.4	3170.8	3296.8	177.5°	574.0	574.0	575.5	577.0	574.0
2914.0	3096.5	3287.1	3279.1	3127.2	2993.2	3019.0	180°	576.0	576.0	576.0	576.0	576.0
2586.1	2742.8	3046.5	3107.8	2891.4	2641.0	2523.1						
2072.4	2255.0	2705.6	2791.2	2495.6	2143.5	1961.0						
1429.5	1670.2	2361.6	2369.7	2025.6	1686.4	1489.3						
982.1	1188.9	1909.3	1930.3	1607.2	1279.3	1109.7						
660.7	796.3	1400.5	1311.6	1061.3	886.8	843.2						
416.7	495.9	880.3	822.2	699.4	639.7	655.8						
193.8	271.4	481.4	470.1	441.0	386.1	336.0						
4.8	14.5	93.7	61.4	61.4	35.5	12.9						
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	4.5	5.0	6.0	7.0	10.0						
25.0	26.0	26.5	27.0	28.5	30.0	31.0						
48.0	49.0	48.5	48.0	49.0	50.0	50.5						
69.0	71.0	70.0	69.0	70.0	71.0	71.0						
91.0	92.0	91.5	91.0	91.5	92.0	92.5						
113.0	114.0	113.5	113.0	113.5	114.0	114.0						



REPORT NUMBER: P228638

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-7050-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°	1129.1	1129.1	1129.1	1129.1	1129.1	1129.1
160.0	159.0	158.0	158.0	158.0	158.0	2.5°	1311.6	1316.5	1314.9	1303.6	1274.5	1263.2
182.0	181.0	180.0	180.5	181.0	180.5	5°	1469.9	1478.0	1468.3	1440.9	1366.5	1331.0
206.0	205.0	204.0	204.0	204.0	204.0	7.5°	1581.4	1587.8	1571.7	1508.7	1376.2	1316.5
233.0	231.0	229.0	228.5	228.0	228.0	10°	1602.4	1616.9	1599.2	1508.7	1355.2	1280.9
257.0	255.5	254.0	254.0	254.0	253.5	12.5°	1542.6	1573.3	1560.4	1494.2	1345.5	1266.4
281.0	279.5	278.0	277.5	277.0	277.5	15°	1450.5	1453.8	1461.8	1460.2	1327.8	1250.2
305.0	303.5	302.0	301.5	301.0	301.0	17.5°	1348.8	1345.5	1355.2	1385.9	1322.9	1261.6
329.0	327.5	326.0	325.5	325.0	325.0	20°	1256.7	1251.9	1261.6	1292.2	1303.6	1289.0
351.0	350.0	349.0	348.5	348.0	348.0	22.5°	1198.6	1182.4	1180.8	1226.0	1313.2	1352.0
374.0	372.0	370.0	369.5	369.0	369.0	25°	1166.2	1148.5	1156.6	1208.2	1353.6	1426.3
396.0	394.0	392.0	391.0	390.0	390.0	27.5°	1156.6	1137.2	1148.5	1206.6	1395.6	1516.8
416.0	414.5	413.0	412.5	412.0	412.0	30°	1163.0	1143.6	1148.5	1217.9	1416.6	1537.8
437.0	435.5	434.0	433.5	433.0	433.5	32.5°	1200.2	1166.2	1163.0	1251.9	1455.4	1584.6
456.0	454.5	453.0	452.5	452.0	453.0	35°	1250.2	1201.8	1195.3	1306.8	1505.5	1644.4
473.0	471.0	469.0	469.0	469.0	470.0	37.5°	1334.2	1274.5	1264.8	1398.9	1573.3	1694.5
489.0	487.5	486.0	486.0	486.0	486.5	40°	1447.3	1387.5	1387.5	1516.8	1665.4	1763.9
507.0	505.5	504.0	503.5	503.0	503.5	42.5°	1574.9	1536.2	1542.6	1658.9	1770.4	1851.1
523.0	520.5	518.0	517.5	517.0	518.0	45°	1744.5	1723.5	1755.8	1838.2	1877.0	1931.9
533.0	531.5	530.0	530.0	530.0	531.0	47.5°	1943.2	1961.0	2006.2	2032.1	1985.2	2014.3
540.0	539.0	538.0	539.0	540.0	541.0	50°	2192.0	2238.8	2282.4	2276.0	2119.3	2109.6
550.0	549.0	548.0	549.0	550.0	551.5	52.5°	2477.9	2539.3	2569.9	2534.4	2269.5	2213.0
563.0	561.0	559.0	558.5	558.0	559.0	55°	2768.6	2842.9	2833.2	2792.9	2432.6	2356.7
571.0	568.5	566.0	565.0	564.0	564.5	57.5°	3031.9	3090.1	3115.9	3028.7	2631.3	2531.2
571.0	569.5	568.0	567.5	567.0	568.0	60°	3240.3	3303.3	3303.3	3217.7	2847.8	2731.5
571.0	569.5	568.0	569.0	570.0	571.5	62.5°	3392.1	3442.2	3424.4	3342.1	3033.5	2944.7
577.0	575.5	574.0	574.0	574.0	575.5	65°	3380.8	3385.7	3366.3	3335.6	3145.0	3135.3
576.0	576.0	576.0	576.0	576.0	576.0	67.5°	3062.6	3064.2	3103.0	3090.1	3061.0	3180.5
						70°	2510.2	2536.0	2602.3	2582.9	2731.5	2977.0
						72.5°	1910.9	1927.1	2006.2	1988.4	2190.4	2460.1
						75°	1390.8	1389.2	1423.1	1397.2	1652.5	1952.9
						77.5°	1070.9	1041.9	1035.4	1038.6	1171.1	1419.9
						80°	864.2	864.2	854.5	819.0	717.2	830.3
						82.5°	689.7	662.3	613.8	544.4	460.4	491.1
						85°	344.1	334.4	292.4	242.3	201.9	268.1
						87.5°	1.6	0.0	0.0	0.0	0.0	0.0
						90°	0.0	0.0	0.0	0.0	0.0	0.0
						92.5°	0.0	0.0	0.0	0.0	0.0	0.0
						95°	1.0	1.0	1.0	1.0	1.0	1.0
						97.5°	13.0	11.0	9.0	4.0	3.0	2.5
						100°	32.0	31.0	30.0	22.0	14.0	12.0
						102.5°	51.0	50.5	50.0	45.0	38.0	35.0
						105°	71.0	70.5	70.0	66.0	61.0	58.5
						107.5°	93.0	92.0	91.0	88.0	84.0	82.0
						110°	114.0	113.0	112.0	110.0	106.0	104.5



REPORT NUMBER: P228638

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-7050-ULG

**CANDELA DISTRIBUTION (continued):**

342.5°	345°	347.5°	350°	352.5°		305°	310°	315°	325°	335°	340°	342.5°
1129.1	1129.1	1129.1	1129.1	1129.1	112.5°	136.0	135.0	134.0	132.0	129.0	127.5	126.8
1258.3	1245.4	1230.9	1230.9	1217.9	115°	158.0	157.0	156.0	154.0	151.0	150.0	149.5
1310.0	1284.2	1263.2	1243.8	1224.4	117.5°	180.0	179.5	179.0	177.0	174.0	173.0	172.5
1284.2	1253.5	1227.6	1193.7	1163.0	120°	204.0	203.0	202.0	201.0	198.0	197.0	196.5
1245.4	1211.5	1174.3	1138.8	1095.2	122.5°	228.0	227.5	227.0	226.0	223.0	222.0	221.5
1224.4	1184.0	1138.8	1101.6	1051.6	125°	253.0	252.5	252.0	251.0	248.0	247.5	247.2
1208.2	1166.2	1125.9	1090.3	1046.7	127.5°	278.0	277.0	276.0	274.0	272.0	271.0	270.5
1234.1	1193.7	1164.6	1124.3	1090.3	130°	301.0	300.0	299.0	298.0	294.0	293.5	293.2
1277.7	1253.5	1230.9	1205.0	1177.6	132.5°	325.0	323.5	322.0	321.0	318.0	317.5	317.2
1360.1	1356.9	1355.2	1335.9	1316.5	135°	348.0	346.5	345.0	345.0	341.0	340.0	339.5
1463.5	1476.4	1494.2	1494.2	1494.2	137.5°	369.0	368.0	367.0	367.0	364.0	363.5	363.2
1570.1	1602.4	1636.3	1650.8	1660.5	140°	390.0	389.5	389.0	388.0	386.0	385.5	385.2
1600.8	1647.6	1700.9	1736.5	1760.7	142.5°	412.0	411.0	410.0	410.0	407.0	407.5	407.8
1650.8	1704.1	1763.9	1804.3	1847.9	145°	434.0	433.0	432.0	431.0	428.0	428.0	428.0
1710.6	1757.5	1818.8	1873.8	1936.7	147.5°	454.0	453.5	453.0	452.0	448.0	447.5	447.2
1760.7	1822.1	1888.3	1959.4	2040.1	150°	471.0	470.5	470.0	469.0	465.0	464.5	464.2
1836.6	1901.2	1973.9	2069.2	2167.7	152.5°	487.0	486.5	486.0	485.0	482.0	482.5	482.8
1920.6	1990.1	2066.0	2161.3	2276.0	155°	504.0	503.5	503.0	503.0	501.0	501.5	501.8
1993.3	2054.7	2137.0	2235.6	2366.4	157.5°	519.0	519.0	519.0	519.0	516.0	516.5	516.8
2062.7	2119.3	2216.2	2316.3	2445.6	160°	532.0	532.0	532.0	532.0	529.0	529.0	529.0
2154.8	2198.4	2295.3	2410.0	2547.3	162.5°	542.0	541.5	541.0	541.0	538.0	538.5	538.8
2250.1	2309.9	2416.5	2547.3	2700.8	165°	553.0	552.5	552.0	552.0	548.0	548.5	548.8
2379.3	2450.4	2581.3	2729.9	2923.7	167.5°	560.0	560.0	560.0	561.0	558.0	558.5	558.8
2557.0	2631.3	2770.2	2936.6	3135.3	170°	565.0	565.5	566.0	567.0	565.0	565.5	565.8
2775.1	2847.8	2967.3	3132.1	3317.8	172.5°	569.0	568.5	568.0	569.0	567.0	568.0	568.5
2978.6	3078.8	3187.0	3309.8	3456.7	175°	573.0	572.5	572.0	572.0	569.0	569.5	569.8
3199.9	3277.5	3367.9	3414.8	3497.1	177.5°	577.0	577.0	577.0	578.0	574.0	574.5	574.8
3264.5	3329.1	3408.3	3408.3	3398.6	180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0
3073.9	3172.5	3241.9	3241.9	3159.5								
2673.3	2838.1	2905.9	2947.9	2842.9								
2172.6	2377.7	2489.2	2524.7	2334.1								
1594.3	1725.1	1739.7	1744.5	1487.7								
919.1	1022.5	1059.6	1112.9	891.6								
533.1	571.8	634.8	657.4	542.7								
298.8	302.1	302.1	279.4	227.8								
0.0	0.0	0.0	0.0	0.0								
0.0	0.0	0.0	0.0	0.0								
0.0	0.0	0.0	0.0	0.0								
1.0	1.0	1.0	1.0	1.0								
2.2	2.0	2.0	2.0	2.0								
11.0	10.0	9.5	9.0	8.5								
33.5	32.0	31.0	30.0	29.0								
57.2	56.0	55.5	55.0	54.5								
81.0	80.0	79.2	78.5	77.8								
103.8	103.0	102.8	102.5	102.2								

REPORT NUMBER: P228638  
 CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-7050-ULG

**CANDELA DISTRIBUTION (continued):**

345°	347.5°	350°	352.5°		355°	359°	360°
126.0	125.5	125.0	124.5	0°	1129.1	1129.1	1129.1
149.0	148.5	148.0	147.5	2.5°	1214.7	1195.3	1198.6
172.0	171.5	171.0	170.5	5°	1196.9	1169.5	1159.8
196.0	195.8	195.5	195.2	7.5°	1135.6	1088.7	1074.2
221.0	220.8	220.5	220.2	10°	1061.3	1001.5	990.2
247.0	246.8	246.5	246.2	12.5°	1019.3	951.4	936.9
270.0	269.8	269.5	269.2	15°	1006.3	941.7	925.6
293.0	292.8	292.5	292.2	17.5°	1045.1	975.6	956.3
317.0	316.2	315.5	314.8	20°	1133.9	1051.6	1028.9
339.0	338.5	338.0	337.5	22.5°	1266.4	1172.7	1145.3
363.0	362.2	361.5	360.8	25°	1445.7	1339.1	1311.6
385.0	384.5	384.0	383.5	27.5°	1629.8	1502.2	1466.7
408.0	407.5	407.0	406.5	30°	1736.5	1618.5	1583.0
428.0	427.5	427.0	426.5	32.5°	1844.7	1731.6	1689.6
447.0	446.2	445.5	444.8	35°	1959.4	1844.7	1802.7
464.0	463.5	463.0	462.5	37.5°	2093.4	1996.5	1959.4
483.0	482.2	481.5	480.8	40°	2253.3	2164.5	2111.2
502.0	501.5	501.0	500.5	42.5°	2385.8	2303.4	2253.3
517.0	516.5	516.0	515.5	45°	2482.7	2413.3	2361.6
529.0	528.5	528.0	527.5	47.5°	2571.6	2518.3	2466.6
539.0	538.2	537.5	536.8	50°	2683.0	2637.8	2602.3
549.0	548.5	548.0	547.5	52.5°	2833.2	2817.1	2786.4
559.0	558.2	557.5	556.8	55°	3054.5	3090.1	3046.5
566.0	565.2	564.5	563.8	57.5°	3264.5	3290.4	3271.0
569.0	568.2	567.5	566.8	60°	3429.3	3393.8	3369.5
570.0	569.8	569.5	569.2	62.5°	3513.3	3426.1	3385.7
575.0	574.5	574.0	573.5	65°	3518.1	3384.1	3322.7
576.0	576.0	576.0	576.0	67.5°	3408.3	3251.6	3180.5
				70°	3112.7	2931.8	2838.1
				72.5°	2615.2	2337.3	2274.3
				75°	1917.4	1576.5	1539.4
				77.5°	1161.4	906.2	857.7
				80°	654.2	520.1	504.0
				82.5°	371.5	292.4	308.5
				85°	151.8	75.9	84.0
				87.5°	0.0	0.0	0.0
				90°	0.0	0.0	0.0
				92.5°	0.0	0.0	0.0
				95°	1.0	1.0	1.0
				97.5°	2.0	2.0	2.0
				100°	8.0	8.0	8.0
				102.5°	28.0	28.0	28.0
				105°	54.0	54.0	54.0
				107.5°	77.0	77.8	78.0
				110°	102.0	101.2	101.0

REPORT NUMBER: P228638

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-7050-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)