

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: P227242

Luminaire Tested: **IST-AF-XXX-LED-E1-SLL-7030-XXB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227242
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35948)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: IST-AF-XXX-LED-E1-SLL-7030-XXB
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE, EMERGENCY MODE WITH BATTERY
BACKPACK BOX
LIGHT SQUARE WITH ACCUED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 507.3 lumens
Efficiency: N/A
Efficacy: 39.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B0 - U1 - G1

Input Watts (W): 13
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

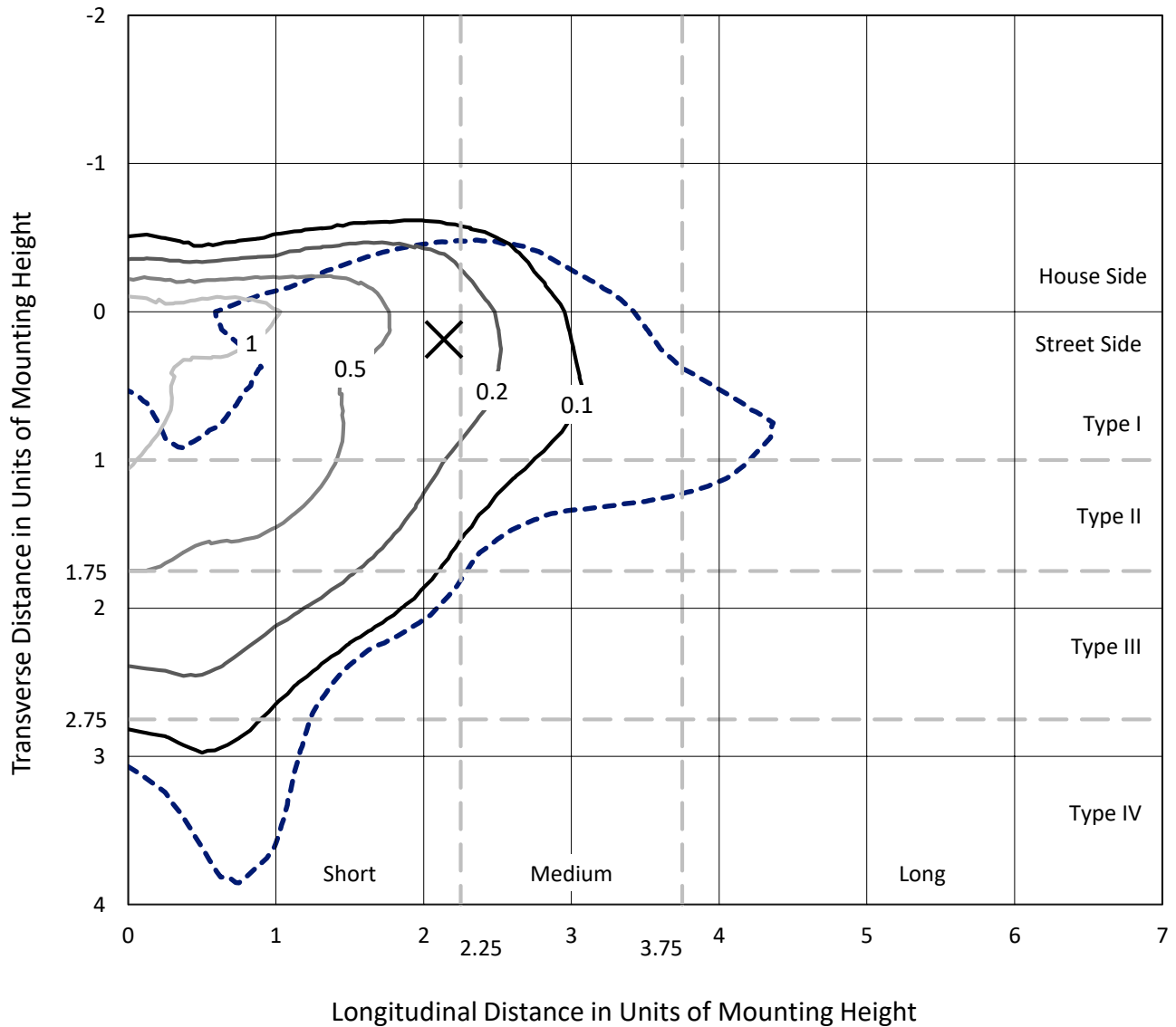


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Iso-Footcandle Lines of Horizontal Illumination

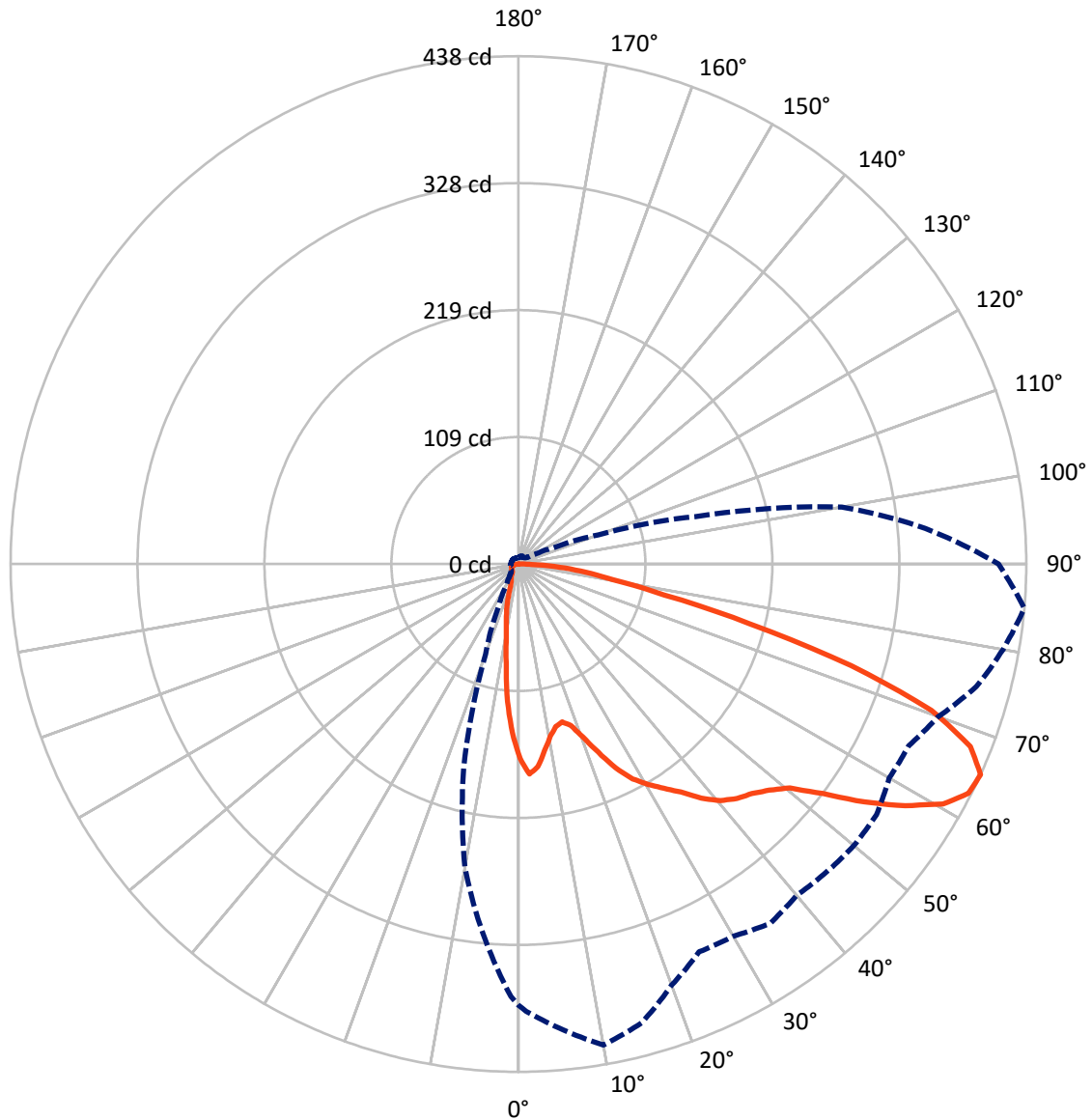
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.8 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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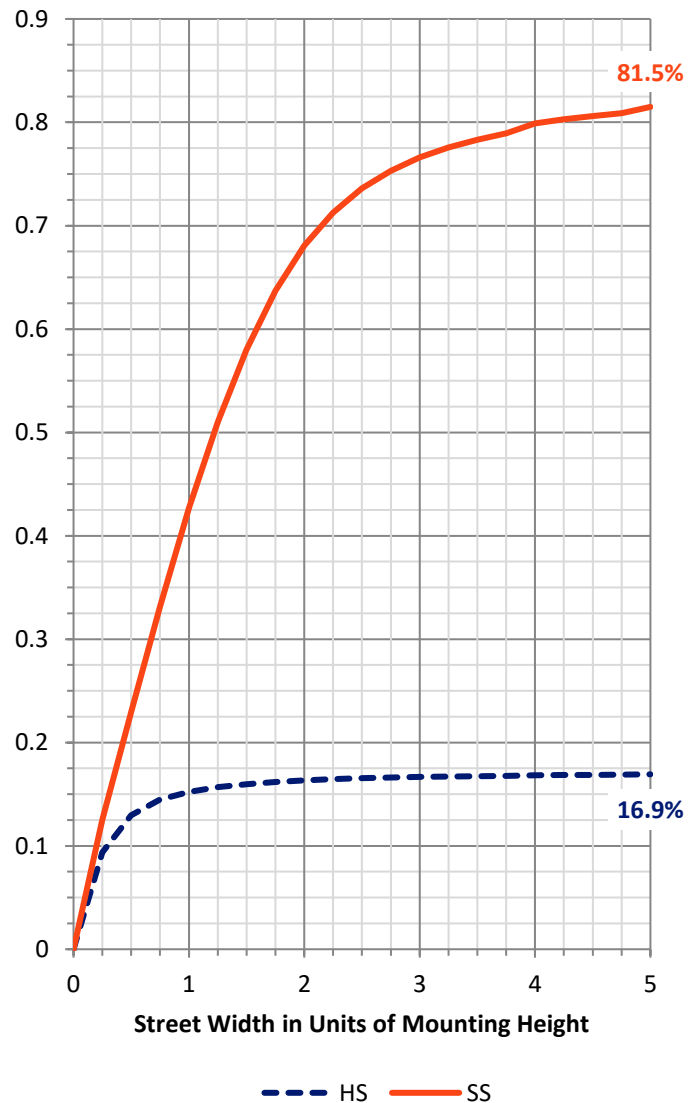
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	87.0	0.0	87.0
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	420.3	0.0	420.3
	% Fixture	82.8	0.0	82.8
Total	Lumens	507.3	0.0	507.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	2.4
10°-20°	23.9	4.7
20°-30°	34.1	6.7
30°-40°	49.4	9.7
40°-50°	70.7	13.9
50°-60°	108.5	21.4
60°-70°	125.6	24.8
70°-80°	64.1	12.6
80°-90°	18.5	3.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	507.3	100.0
0°-180°	507.3	100.0

Coefficient of Utilization



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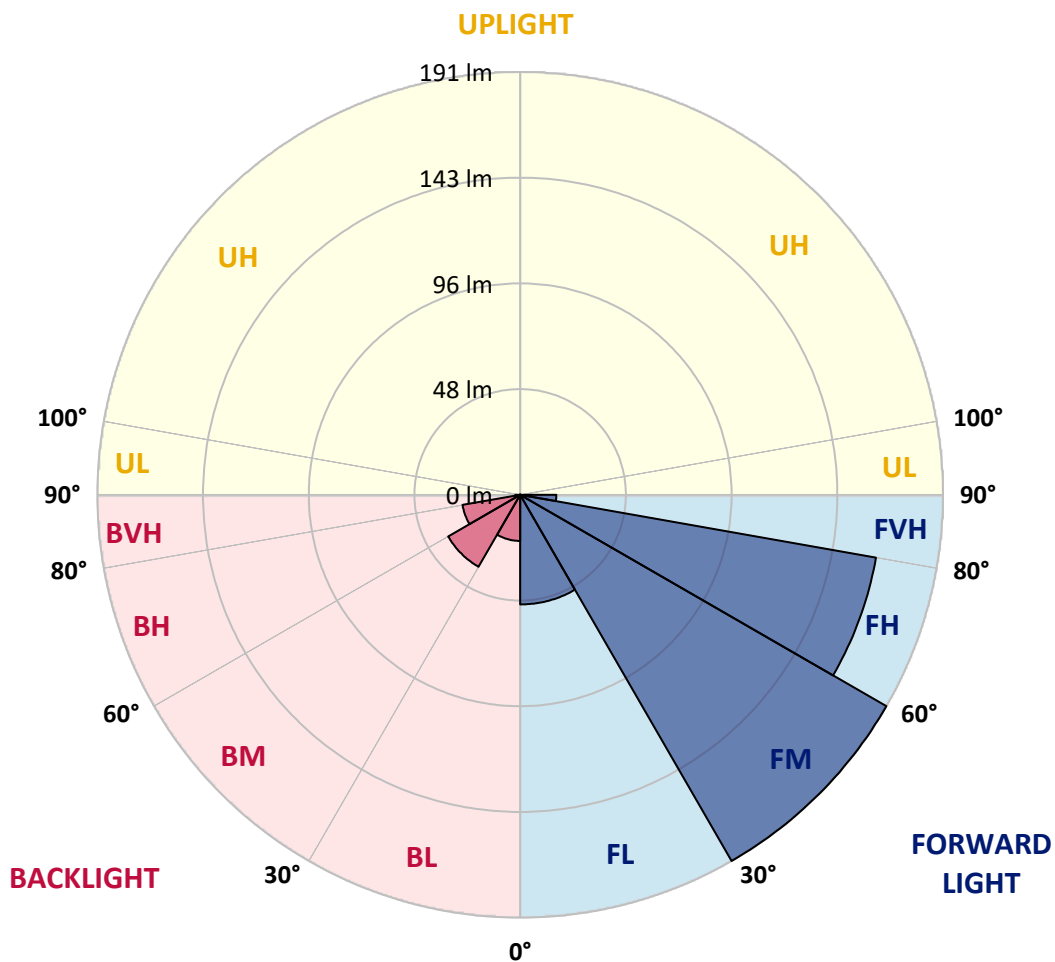
CATALOG NUMBER: IST-AF-XXX-LED-E1-SLL-7030-XXB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	49.5	9.8			
FM	(30°-60°)	191.1	37.7			
FH	(60°-80°)	163.3	32.2			G0/660
FVH	(80°-90°)	16.3	3.2			G1/100
BL	(0°-30°)	20.8	4.1	B0/110		
BM	(30°-60°)	37.6	7.4	B0/220		
BH	(60°-80°)	26.5	5.2	B0/110		G0/110
BVH	(80°-90°)	2.2	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U1/10	
UH	(100°-180°)	0.0	0.0		U1/10	

BUG Rating: B0-U1-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6
2.5°	173.5	173.7	176.0	178.3	181.3	180.8	183.2	185.0	186.6	186.9	188.1
5°	162.9	164.6	170.0	174.6	180.4	184.9	189.8	193.6	196.4	199.1	199.4
7.5°	148.0	149.3	155.6	162.8	171.2	177.2	184.5	190.9	195.4	199.7	200.6
10°	135.3	136.5	143.4	152.8	160.2	167.9	175.5	180.7	186.6	190.3	192.1
12.5°	129.2	130.6	137.2	145.7	153.2	160.8	166.5	171.0	174.3	175.0	175.5
15°	131.6	132.3	139.6	147.2	153.2	156.9	158.5	161.2	160.9	162.3	162.6
17.5°	141.2	140.9	148.6	153.8	156.7	156.3	153.9	152.5	149.9	149.1	151.4
20°	157.8	159.0	163.9	167.2	164.2	157.3	150.7	146.2	142.6	141.4	141.1
22.5°	177.2	178.7	184.1	182.4	174.8	162.1	150.2	142.9	138.5	137.2	136.7
25°	197.5	198.5	201.2	195.4	184.8	168.4	153.8	143.6	137.7	135.8	135.6
27.5°	213.9	214.9	213.6	206.9	191.5	175.4	158.7	146.7	139.0	137.1	136.3
30°	227.3	227.8	223.5	215.2	199.9	183.1	165.2	152.1	143.1	138.8	138.2
32.5°	242.3	242.0	233.7	222.2	206.9	190.1	172.6	158.1	147.0	141.8	140.9
35°	258.8	255.8	241.2	229.1	211.8	195.5	179.4	164.5	153.3	146.4	145.2
37.5°	273.5	270.4	250.8	234.6	216.7	199.7	184.7	172.8	163.0	156.7	156.1
40°	284.9	281.1	258.2	238.3	219.1	202.8	190.9	183.2	176.7	171.6	171.6
42.5°	294.1	290.0	265.3	242.5	221.2	207.5	201.3	198.7	197.3	194.5	195.5
45°	303.0	298.8	271.2	245.3	226.0	216.6	217.4	219.8	223.9	222.2	223.7
47.5°	311.4	307.3	277.9	249.6	235.2	233.0	237.4	246.6	254.7	261.0	265.4
50°	325.6	320.8	289.8	262.4	249.7	250.8	263.6	281.7	294.8	300.6	300.3
52.5°	352.5	345.6	315.5	286.3	270.5	276.6	291.7	314.5	331.6	336.1	337.9
55°	385.4	379.9	352.7	318.0	306.5	308.6	327.4	353.2	366.3	371.0	372.6
57.5°	404.7	403.2	386.1	351.9	340.7	339.9	364.4	385.5	396.8	401.3	399.9
59°	409.2	409.6	399.9	375.9	360.5	358.7	383.6	403.1	412.6	414.0	413.3
60°	408.8	411.2	410.0	389.1	373.1	370.7	391.7	410.3	418.2	420.4	418.0
62.5°	400.0	404.1	415.4	413.2	401.5	389.3	399.2	412.7	417.8	415.8	414.0
65°	380.0	385.4	401.2	420.8	409.5	386.0	368.6	370.2	378.0	372.8	375.3
67.5°	345.5	351.7	360.0	404.6	388.2	348.7	318.9	304.3	300.6	305.6	313.4
70°	281.1	285.1	306.2	369.2	340.9	286.6	249.2	229.7	223.3	234.7	242.7
72.5°	198.2	204.2	232.1	305.6	280.5	229.6	188.6	170.7	164.2	164.7	171.7
75°	120.6	128.7	162.2	241.6	221.0	175.9	143.7	130.8	128.8	127.7	126.5
77.5°	79.6	82.6	106.6	166.7	149.1	125.1	107.8	113.1	119.0	120.3	121.8
80°	54.0	54.9	69.2	117.0	98.2	92.4	87.2	99.6	110.8	112.9	111.8
82.5°	33.2	36.0	48.2	78.9	78.3	75.6	68.9	78.6	86.1	87.3	89.6
85°	11.5	12.0	29.6	69.7	79.6	80.4	56.8	44.8	50.4	49.4	35.5
87.5°	5.0	5.5	9.2	46.6	53.9	44.6	26.0	23.1	17.8	10.0	9.6
90°	0.3	0.3	0.3	0.4	1.3	0.9	0.8	0.3	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6
2.5°	187.8	186.7	187.4	186.5	184.9	183.9	182.7	181.2	179.4	177.0	174.6
5°	198.7	197.8	195.7	192.6	188.3	184.8	180.5	175.4	171.3	165.9	160.8
7.5°	199.6	198.2	194.3	188.6	182.0	175.4	170.3	162.1	156.8	148.3	142.6
10°	191.1	191.2	187.2	181.8	175.0	167.2	159.9	150.9	143.2	134.5	124.9
12.5°	178.5	179.7	179.9	175.1	168.4	160.2	152.1	143.5	133.9	124.6	115.8
15°	164.3	167.7	167.9	166.7	163.2	156.2	148.8	141.1	131.3	121.1	111.2
17.5°	151.5	154.8	157.8	160.5	160.7	157.3	152.8	146.2	136.4	124.5	112.9
20°	141.9	145.4	150.5	155.6	161.1	162.8	163.2	159.0	148.5	133.9	118.2
22.5°	137.9	142.0	147.2	156.7	166.5	172.5	176.0	176.0	164.9	147.9	126.9
25°	137.0	140.4	148.3	160.1	173.2	183.8	190.3	194.7	186.7	165.9	137.6
27.5°	137.6	142.1	152.0	164.0	177.7	191.3	202.0	209.6	202.2	178.2	147.6
30°	140.0	146.8	156.9	169.4	183.6	197.9	210.8	220.4	215.0	189.4	157.1
32.5°	144.2	152.4	163.9	175.2	189.3	204.8	217.5	230.3	226.2	197.1	162.1
35°	150.4	160.1	170.6	181.9	195.4	211.0	224.5	241.2	239.7	206.9	167.2
37.5°	160.5	170.4	180.1	189.8	202.6	217.7	234.6	255.9	254.7	221.3	175.3
40°	178.3	184.1	191.2	197.5	209.5	223.9	242.0	268.0	272.3	233.7	182.4
42.5°	200.3	203.7	205.8	207.5	213.6	227.2	247.4	276.1	283.1	242.9	188.0
45°	228.4	227.4	223.3	219.3	218.6	229.1	249.9	282.1	291.6	251.9	193.6
47.5°	261.6	259.4	248.2	235.3	228.1	232.5	254.2	290.9	302.1	263.6	200.6
50°	299.9	294.7	276.4	254.7	241.4	242.1	265.3	303.1	316.0	279.0	213.7
52.5°	335.4	326.1	304.4	275.6	256.6	258.9	285.1	328.4	344.3	304.4	235.6
55°	366.8	354.8	331.3	299.8	282.7	286.7	316.7	361.8	376.9	334.8	257.8
57.5°	393.4	380.7	357.5	329.8	308.5	311.8	345.0	392.9	403.1	362.0	279.1
59°	405.5	393.0	371.6	346.0	326.0	333.0	365.0	408.3	412.7	372.5	287.2
60°	411.4	398.9	380.1	355.1	336.8	346.0	375.6	420.0	416.3	374.0	290.3
62.5°	411.0	402.2	389.8	372.7	369.4	384.8	410.0	435.1	418.8	369.6	292.2
65°	377.3	376.5	368.8	370.8	384.7	408.4	423.9	437.5	413.6	351.9	282.8
67.5°	314.7	317.8	318.9	330.9	363.4	403.7	417.3	420.0	391.4	314.1	253.3
70°	243.0	236.0	247.5	268.8	315.6	367.5	386.8	377.6	345.8	263.0	206.9
72.5°	172.0	174.1	190.6	218.2	265.9	319.7	349.9	299.7	260.1	196.9	146.7
75°	129.4	139.1	147.1	171.3	216.0	273.9	298.8	206.0	169.5	135.7	96.0
77.5°	124.0	123.3	117.1	122.3	155.7	191.8	213.2	128.6	106.1	88.8	58.0
80°	114.7	108.1	96.9	91.9	98.1	123.2	135.3	82.6	70.6	62.1	32.7
82.5°	89.0	84.5	72.7	72.4	81.8	87.5	93.1	58.6	53.1	50.3	20.1
85°	56.4	58.0	59.4	72.5	90.8	91.8	72.4	35.7	28.0	39.4	12.8
87.5°	16.7	27.2	33.0	56.1	81.8	82.0	54.5	11.7	10.5	12.3	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227242

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLL-7030-XXB

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227242

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLL-7030-XXB

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6
2.5°	172.1	171.8	169.4	165.4	165.7	163.8	161.4	157.6	156.8	154.7	154.4
5°	156.6	152.6	147.4	141.0	138.6	135.4	132.1	129.7	126.7	124.0	127.6
7.5°	135.8	129.9	123.9	117.2	113.4	108.1	105.3	99.8	95.8	95.0	91.9
10°	118.5	111.1	104.2	98.2	91.0	86.1	82.5	79.5	76.8	73.4	71.4
12.5°	107.0	98.6	91.3	83.8	80.4	76.3	74.1	71.3	67.4	64.5	61.8
15°	101.8	92.7	84.7	78.2	73.3	69.4	65.5	62.1	57.8	54.6	51.5
17.5°	101.1	89.3	79.1	71.9	66.5	62.3	57.1	52.6	47.4	43.9	41.2
20°	101.9	86.7	74.0	64.5	59.1	51.7	46.9	41.3	36.2	31.6	27.4
22.5°	104.9	85.4	69.0	58.6	50.5	42.1	36.9	29.8	25.4	21.0	19.4
25°	109.1	84.5	64.6	52.0	41.7	33.5	26.4	20.5	18.5	17.4	16.8
27.5°	113.5	83.0	59.8	45.9	34.7	24.7	19.7	17.2	16.5	15.9	15.5
30°	116.9	80.0	53.8	39.4	27.7	21.1	17.6	16.0	15.5	14.8	14.3
32.5°	118.3	75.4	48.4	33.3	23.3	18.1	15.4	14.4	13.9	13.3	13.1
35°	118.1	70.2	45.7	30.9	21.3	16.1	13.5	12.9	12.2	11.6	11.0
37.5°	118.3	65.4	43.5	30.3	20.5	14.5	12.3	11.9	11.4	10.8	10.2
40°	119.4	62.8	42.5	29.0	19.8	13.9	11.4	10.9	10.8	10.2	9.7
42.5°	119.8	63.0	42.0	27.2	18.1	13.7	11.4	10.4	10.4	9.9	9.4
45°	119.3	64.9	42.3	26.2	16.8	12.9	12.0	10.4	10.2	9.7	9.2
47.5°	120.8	66.3	42.3	26.0	16.0	12.0	11.4	11.4	10.3	9.8	9.0
50°	127.1	67.5	41.5	25.8	15.7	11.2	10.8	11.3	11.6	10.0	9.1
52.5°	138.3	69.2	40.6	25.4	15.4	10.5	10.0	10.6	11.9	10.5	9.1
55°	149.7	72.1	40.0	24.7	14.9	10.1	9.0	10.2	10.8	10.4	9.0
57.5°	162.0	75.2	39.4	23.1	13.7	9.6	8.7	8.9	9.7	10.1	8.8
59°	165.6	76.8	38.8	21.9	12.6	9.3	8.5	8.2	8.7	9.6	8.6
60°	168.3	76.8	38.2	20.8	12.0	9.1	8.3	7.9	8.1	9.9	8.7
62.5°	168.5	76.8	36.4	18.7	10.8	8.8	8.0	7.6	7.4	8.3	8.9
65°	157.9	73.2	33.0	17.6	10.9	8.5	7.6	7.3	6.9	7.1	7.7
67.5°	138.1	63.9	29.4	17.8	11.5	8.2	7.3	6.9	6.7	6.5	6.7
70°	104.5	53.1	28.3	18.4	12.0	8.0	6.7	6.4	6.2	6.1	6.1
72.5°	72.4	43.7	27.2	18.9	12.5	7.9	6.2	5.9	5.8	5.7	5.7
75°	46.6	31.8	22.5	16.1	11.4	7.3	5.6	5.3	5.2	5.1	5.2
77.5°	27.6	22.2	16.6	11.3	8.3	5.8	4.9	4.6	4.6	4.6	4.7
80°	15.3	13.1	11.0	7.3	5.9	4.4	4.0	3.8	3.8	3.8	4.0
82.5°	9.1	7.3	6.2	4.6	4.0	3.1	3.0	2.8	2.9	3.0	3.2
85°	6.0	4.6	3.8	3.1	2.7	2.0	1.7	1.8	1.9	2.0	2.1
87.5°	3.3	2.6	2.0	1.8	1.6	0.9	0.7	0.7	0.9	1.0	1.2
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227242
 CATALOG NUMBER: IST-AF-XXX-LED-E1-SLL-7030-XXB

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°



NUMBER: P227242
 NUMBER: IST-AF-XXX-LED-E1-SLL-7030-XXB

REPORT NUMBER: P
 CATALOG NUMBER:

<u>DISTRIBUTION (continued):</u>											<u>CANDELA DISTRIBUTION</u>	
160°	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	110°	160°
167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	110°	0.0
155.6	153.1	150.4	148.5	149.3	146.5	146.8	146.0	145.6	145.5	143.7	112.5°	0.0
123.2	124.1	120.2	120.6	121.8	118.9	117.0	120.2	119.8	116.9	118.5	115°	0.0
88.8	89.0	87.3	83.2	83.2	85.4	86.1	87.7	88.7	92.3	90.1	117.5°	0.0
67.9	65.5	63.7	61.9	60.9	58.7	59.2	61.1	62.3	64.4	66.0	120°	0.0
59.0	56.3	53.2	50.5	49.0	47.0	45.8	45.3	45.8	44.5	44.6	122.5°	0.0
49.0	46.6	43.1	41.7	38.9	37.4	36.5	35.4	34.6	32.8	32.0	125°	0.0
38.0	34.8	31.2	31.2	29.3	28.0	27.7	27.4	26.9	26.0	25.0	127.5°	0.0
25.3	23.2	21.2	20.1	20.3	20.1	19.6	20.5	20.5	20.8	20.7	130°	0.0
18.4	18.1	17.3	16.7	16.4	16.3	16.4	16.6	17.2	17.6	18.0	132.5°	0.0
16.6	16.4	15.7	15.1	15.0	14.9	14.9	15.1	15.2	15.3	15.2	135°	0.0
15.4	15.0	14.4	14.0	13.8	13.7	13.8	13.6	13.4	13.5	13.4	137.5°	0.0
13.9	13.7	13.1	12.7	12.6	12.6	12.4	12.3	12.1	12.2	12.1	140°	0.0
12.8	12.5	11.9	11.4	11.4	11.4	11.4	11.4	11.3	11.2	11.2	142.5°	0.0
10.8	10.7	10.1	9.9	10.0	10.2	10.2	10.2	10.3	10.2	10.2	145°	0.0
10.0	9.9	9.3	8.9	8.8	8.8	8.8	9.0	9.2	9.3	9.5	147.5°	0.0
9.5	9.4	8.8	8.5	8.3	8.2	8.1	8.1	8.2	8.5	8.8	150°	0.0
9.1	9.0	8.4	7.9	7.9	7.8	7.7	7.7	7.7	7.8	8.0	152.5°	0.0
9.0	8.7	8.0	7.6	7.4	7.3	7.3	7.4	7.3	7.3	7.3	155°	0.0
8.7	8.5	7.9	7.3	7.2	7.2	7.1	7.1	7.1	6.9	6.9	157.5°	0.0
8.6	8.4	7.7	7.2	7.0	6.9	6.8	6.9	6.7	6.7	6.6	160°	0.0
8.5	8.1	7.3	6.9	6.8	6.7	6.6	6.6	6.6	6.4	6.4	162.5°	0.0
8.4	7.9	7.2	6.7	6.6	6.4	6.3	6.3	6.5	6.3	6.3	165°	0.0
8.3	7.7	6.9	6.4	6.3	6.1	6.1	6.1	6.4	6.2	6.1	167.5°	0.0
7.9	7.5	6.7	6.3	6.1	6.0	5.9	6.0	6.1	6.1	6.1	170°	0.0
7.8	7.3	6.6	6.1	6.1	5.9	5.8	5.8	6.1	6.1	6.0	172.5°	0.0
7.5	7.2	6.4	5.9	5.7	5.7	5.6	5.6	5.7	5.7	5.8	175°	0.0
7.2	7.0	6.2	5.6	5.5	5.5	5.5	5.5	5.5	5.6	5.6	177.5°	0.0
6.8	6.7	6.0	5.5	5.3	5.3	5.3	5.3	5.3	5.4	5.5	180°	0.0
6.3	6.3	5.6	5.1	5.0	5.0	5.0	5.0	5.0	5.0	5.1		
5.8	5.9	5.2	4.7	4.6	4.6	4.6	4.6	4.7	4.7	4.8		
5.3	5.4	4.7	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.4		
4.8	4.8	4.0	3.5	3.6	3.7	3.8	3.7	3.7	3.8	4.0		
4.1	4.0	3.3	2.9	2.9	3.1	3.2	3.1	3.2	3.2	3.5		
3.2	3.2	2.6	2.1	2.1	2.5	2.5	2.5	2.6	2.6	2.9		
2.5	2.4	1.8	1.5	1.5	1.7	1.8	1.9	2.0	2.0	2.2		
1.5	1.5	0.9	0.6	0.7	0.8	1.0	1.0	1.0	1.2	1.5		
0.0	0.1	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	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		



'227242
 IST-AF-XXX-LED-E1-SLL-7030-XXB

REPORT NUMBER: P227242
 CATALOG NUMBER: IST-AF-XX

TION (continued):

CANDELA DISTRIBUTION (con

165°	170°	175°	180°	185°	190°	195°	200°	205°	210°		215°	220°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	167.6	167.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	145.2	145.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	119.2	118.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	92.4	95.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	66.6	68.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	46.4	47.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	31.9	34.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	24.8	25.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	20.5	20.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	18.2	18.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	15.3	15.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	13.5	13.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	12.4	12.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	11.3	11.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	10.3	10.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	9.6	9.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	9.0	9.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	8.2	8.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	7.4	7.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	6.9	6.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	6.6	6.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	6.4	6.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	6.3	6.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	6.3	6.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	6.2	6.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	6.2	6.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	6.0	6.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	5.8	6.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	5.5	5.8
										70°	5.3	5.5
										72.5°	5.0	5.3
										75°	4.6	4.9
										77.5°	4.2	4.4
										80°	3.7	3.8
										82.5°	3.1	3.1
										85°	2.3	2.0
										87.5°	1.3	1.4
										90°	0.0	0.0
										92.5°	0.0	0.0
										95°	0.0	0.0
										97.5°	0.0	0.0
										100°	0.0	0.0
										102.5°	0.0	0.0
										105°	0.0	0.0
										107.5°	0.0	0.0



REPORT NUMBER: P227242

CATALOG NUMBER: IST-AF-XXX-LED-E1-5

X-LED-E1-SLL-7030-XXB

tinued):										CANDELA DISTRIBUTION (continued):		
225°	230°	235°	240°	245°	250°	255°	260°	265°		215°	220°	225°
167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	110°	0.0	0.0	0.0
143.3	143.3	145.9	146.2	143.2	143.9	145.4	143.7	145.6	112.5°	0.0	0.0	0.0
120.3	119.3	119.4	118.7	119.9	118.5	120.0	119.4	119.0	115°	0.0	0.0	0.0
93.4	95.2	93.9	91.4	93.4	91.9	89.0	89.2	86.0	117.5°	0.0	0.0	0.0
70.2	68.9	68.2	67.0	63.9	64.5	61.2	61.7	62.8	120°	0.0	0.0	0.0
48.4	47.5	48.6	47.8	46.5	46.8	47.5	48.2	49.9	122.5°	0.0	0.0	0.0
34.0	33.6	33.3	33.8	35.3	36.0	37.1	39.2	40.2	125°	0.0	0.0	0.0
25.5	25.6	25.4	26.1	27.3	27.9	28.2	28.3	29.5	127.5°	0.0	0.0	0.0
21.1	21.4	21.3	21.6	21.3	20.9	21.2	20.7	20.2	130°	0.0	0.0	0.0
18.4	18.5	18.1	18.0	17.5	17.1	16.7	16.7	16.6	132.5°	0.0	0.0	0.0
15.6	15.7	15.3	15.3	15.2	15.5	15.3	14.9	14.9	135°	0.0	0.0	0.0
14.0	13.8	13.6	13.6	13.4	13.4	13.5	13.6	13.5	137.5°	0.0	0.0	0.0
12.6	12.4	12.3	12.4	12.3	12.4	12.5	12.4	12.5	140°	0.0	0.0	0.0
11.5	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	142.5°	0.0	0.0	0.0
10.7	10.5	10.5	10.5	10.4	10.2	10.1	9.8	9.6	145°	0.0	0.0	0.0
10.0	9.9	9.7	9.6	9.4	8.9	8.7	8.7	8.7	147.5°	0.0	0.0	0.0
9.4	9.2	9.1	8.8	8.5	8.3	8.3	8.3	8.3	150°	0.0	0.0	0.0
8.6	8.4	8.2	8.1	8.0	8.0	7.9	7.9	7.9	152.5°	0.0	0.0	0.0
7.7	7.6	7.6	7.7	7.7	7.7	7.7	7.6	7.7	155°	0.0	0.0	0.0
7.1	7.1	7.2	7.3	7.3	7.4	7.5	7.4	7.5	157.5°	0.0	0.0	0.0
6.8	6.8	6.8	7.0	7.1	7.2	7.3	7.3	7.3	160°	0.0	0.0	0.0
6.7	6.7	6.7	6.8	6.9	7.0	7.1	7.2	7.3	162.5°	0.0	0.0	0.0
6.6	6.7	6.6	6.7	6.7	6.9	7.0	7.0	7.1	165°	0.0	0.0	0.0
6.6	6.6	6.6	6.6	6.7	6.8	6.7	6.8	6.9	167.5°	0.0	0.0	0.0
6.6	6.6	6.5	6.6	6.7	6.7	6.7	6.7	6.8	170°	0.0	0.0	0.0
6.5	6.6	6.5	6.5	6.6	6.7	6.6	6.7	6.7	172.5°	0.0	0.0	0.0
6.3	6.4	6.3	6.4	6.4	6.5	6.5	6.5	6.6	175°	0.0	0.0	0.0
6.1	6.1	6.1	6.2	6.2	6.3	6.3	6.4	6.3	177.5°	0.0	0.0	0.0
6.0	6.0	6.0	6.1	6.1	6.1	6.2	6.1	6.1	180°	0.0	0.0	0.0
5.8	5.7	5.6	5.7	5.8	5.8	5.9	5.8	5.9				
5.5	5.5	5.4	5.4	5.5	5.5	5.5	5.5	5.5				
5.1	5.1	5.0	5.0	5.0	5.0	5.0	5.0	4.9				
4.6	4.6	4.4	4.4	4.4	4.4	4.4	4.4	4.4				
3.8	3.9	3.9	3.8	3.8	3.8	3.8	3.7	3.6				
2.9	3.1	3.2	3.2	3.2	3.2	3.2	3.0	2.8				
2.0	2.3	2.6	2.6	2.5	2.5	2.5	2.2	2.0				
1.3	1.5	1.6	1.8	1.5	1.5	1.5	1.3	1.2				
0.0	0.0	0.2	0.1	0.3	0.3	0.3	0.2	0.1				
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				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				



REPORT NUMBER: P227242

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLL-7030-X

SLL-7030-XXB

CANDELA DISTRIBUTION (continued):

230°	235°	240°	245°	250°	255°	260°	265°		270°	275°	280°	285°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	167.6	167.6	167.6	167.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	143.9	147.1	147.5	148.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	118.3	121.5	119.7	120.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	86.4	84.3	87.0	88.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	63.1	65.5	66.5	68.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	52.3	53.9	55.7	58.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	42.4	43.5	45.9	48.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	30.9	32.5	34.1	36.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	20.7	21.4	23.3	24.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	16.6	16.9	17.2	18.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	14.9	15.1	15.4	15.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	13.6	13.7	13.9	14.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	12.4	12.3	12.4	12.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	11.1	11.1	11.3	11.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	9.6	9.5	9.6	9.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	8.8	8.9	9.0	9.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	8.4	8.5	8.6	8.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	7.9	8.1	8.3	8.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	7.7	7.9	8.1	8.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	7.6	7.8	8.0	8.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	7.4	7.7	7.9	8.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	7.4	7.6	7.9	8.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	7.2	7.4	7.7	8.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	7.0	7.2	7.5	8.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	6.9	7.1	7.4	7.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	6.7	7.0	7.3	7.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	6.6	6.8	7.2	7.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	6.3	6.7	7.0	7.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	6.1	6.3	6.7	7.0
								70°	5.8	6.0	6.2	6.5
								72.5°	5.4	5.5	5.6	5.9
								75°	4.8	4.9	5.0	5.2
								77.5°	4.2	4.2	4.3	4.6
								80°	3.5	3.5	3.6	3.8
								82.5°	2.6	2.6	2.8	3.1
								85°	1.9	1.8	2.0	2.2
								87.5°	1.1	1.0	1.1	1.1
								90°	0.1	0.3	0.2	0.2
								92.5°	0.0	0.0	0.0	0.0
								95°	0.0	0.0	0.0	0.0
								97.5°	0.0	0.0	0.0	0.0
								100°	0.0	0.0	0.0	0.0
								102.5°	0.0	0.0	0.0	0.0
								105°	0.0	0.0	0.0	0.0
								107.5°	0.0	0.0	0.0	0.0



REPORT NUMBER: P227242

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLL-7030-XXB

XB

CANDELA DISTRIBUTION (continued):

290°	295°	300°	305°	310°	315°	320°		270°	275°	280°	285°	290°
167.6	167.6	167.6	167.6	167.6	167.6	167.6	110°	0.0	0.0	0.0	0.0	0.0
149.7	148.8	149.5	152.1	153.1	154.3	158.3	112.5°	0.0	0.0	0.0	0.0	0.0
122.3	123.5	122.3	127.7	128.0	131.6	133.0	115°	0.0	0.0	0.0	0.0	0.0
89.9	91.4	93.7	97.3	98.4	103.5	107.8	117.5°	0.0	0.0	0.0	0.0	0.0
70.2	72.1	75.4	77.6	79.8	82.8	86.3	120°	0.0	0.0	0.0	0.0	0.0
62.3	64.3	67.2	70.0	73.2	75.5	78.4	122.5°	0.0	0.0	0.0	0.0	0.0
52.1	55.2	58.0	61.6	64.3	68.5	71.9	125°	0.0	0.0	0.0	0.0	0.0
39.8	44.1	46.9	51.3	55.3	59.0	63.6	127.5°	0.0	0.0	0.0	0.0	0.0
27.7	31.0	34.6	39.4	44.6	49.6	55.7	130°	0.0	0.0	0.0	0.0	0.0
19.0	20.8	23.6	28.5	33.9	41.2	47.8	132.5°	0.0	0.0	0.0	0.0	0.0
16.2	16.9	17.9	20.3	24.8	32.8	40.1	135°	0.0	0.0	0.0	0.0	0.0
14.4	14.9	15.6	16.8	19.2	24.7	32.8	137.5°	0.0	0.0	0.0	0.0	0.0
13.2	13.8	14.5	15.4	16.6	20.4	26.5	140°	0.0	0.0	0.0	0.0	0.0
11.6	12.0	12.6	13.6	14.5	17.5	23.4	142.5°	0.0	0.0	0.0	0.0	0.0
10.2	10.8	11.5	12.2	13.1	15.5	21.3	145°	0.0	0.0	0.0	0.0	0.0
9.6	10.1	10.8	11.4	12.0	14.0	19.7	147.5°	0.0	0.0	0.0	0.0	0.0
9.1	9.6	10.3	10.8	11.3	13.5	19.1	150°	0.0	0.0	0.0	0.0	0.0
8.9	9.5	10.1	10.4	11.3	13.7	17.7	152.5°	0.0	0.0	0.0	0.0	0.0
8.8	9.4	10.1	10.7	12.4	13.0	16.7	155°	0.0	0.0	0.0	0.0	0.0
8.9	9.4	10.2	12.0	12.0	12.3	15.7	157.5°	0.0	0.0	0.0	0.0	0.0
8.9	9.6	11.4	12.5	11.4	11.6	14.8	160°	0.0	0.0	0.0	0.0	0.0
9.0	10.0	11.9	11.6	11.1	10.8	13.7	162.5°	0.0	0.0	0.0	0.0	0.0
9.0	9.8	11.4	10.9	10.2	10.3	12.6	165°	0.0	0.0	0.0	0.0	0.0
8.7	9.8	10.9	9.9	9.4	9.8	11.5	167.5°	0.0	0.0	0.0	0.0	0.0
8.5	10.1	9.7	9.1	9.1	9.6	11.0	170°	0.0	0.0	0.0	0.0	0.0
8.5	10.3	9.2	8.9	8.9	9.5	10.8	172.5°	0.0	0.0	0.0	0.0	0.0
8.2	9.6	8.5	8.3	8.5	9.0	10.4	175°	0.0	0.0	0.0	0.0	0.0
7.7	8.0	7.8	7.8	8.1	8.6	10.2	177.5°	0.0	0.0	0.0	0.0	0.0
7.1	7.3	7.3	7.3	7.7	8.1	10.4	180°	0.0	0.0	0.0	0.0	0.0
6.6	6.6	6.7	6.8	7.1	7.7	10.0						
6.0	6.1	6.1	6.2	6.4	7.0	9.6						
5.3	5.3	5.5	5.5	5.7	6.3	8.6						
4.6	4.6	4.6	4.7	4.9	5.5	7.1						
3.8	3.8	3.8	3.9	4.0	4.5	5.4						
3.1	3.0	2.9	2.9	3.1	3.5	4.2						
2.1	2.1	2.0	2.0	2.0	2.3	2.8						
1.2	1.0	1.1	1.2	1.1	1.3	1.5						
0.1	0.2	0.3	0.3	0.3	0.3	0.5						
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	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						



REPORT NUMBER: P227242

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLL-7030-XXB

CANDELA DISTRIBUTION (continued):

295°	300°	305°	310°	315°	320°		325°	330°	335°	340°	345°	350°
0.0	0.0	0.0	0.0	0.0	0.0	0°	167.6	167.6	167.6	167.6	167.6	167.6
0.0	0.0	0.0	0.0	0.0	0.0	2.5°	157.8	160.0	163.5	164.2	167.0	169.0
0.0	0.0	0.0	0.0	0.0	0.0	5°	133.7	139.0	140.9	144.5	150.9	154.2
0.0	0.0	0.0	0.0	0.0	0.0	7.5°	110.3	114.3	118.8	124.7	129.4	135.0
0.0	0.0	0.0	0.0	0.0	0.0	10°	90.8	96.5	102.4	107.1	113.7	120.4
0.0	0.0	0.0	0.0	0.0	0.0	12.5°	80.6	83.8	89.6	96.3	104.5	111.9
0.0	0.0	0.0	0.0	0.0	0.0	15°	75.3	79.1	85.3	92.5	101.2	110.4
0.0	0.0	0.0	0.0	0.0	0.0	17.5°	68.7	74.7	81.8	92.0	103.3	116.1
0.0	0.0	0.0	0.0	0.0	0.0	20°	62.2	69.5	78.8	92.3	107.9	124.6
0.0	0.0	0.0	0.0	0.0	0.0	22.5°	56.5	65.1	76.9	93.8	113.8	136.0
0.0	0.0	0.0	0.0	0.0	0.0	25°	49.8	61.3	75.5	97.0	122.9	151.4
0.0	0.0	0.0	0.0	0.0	0.0	27.5°	44.4	57.6	73.3	99.7	131.1	166.1
0.0	0.0	0.0	0.0	0.0	0.0	30°	38.4	53.4	70.3	100.7	141.2	178.3
0.0	0.0	0.0	0.0	0.0	0.0	32.5°	33.6	49.3	66.9	99.8	145.7	186.7
0.0	0.0	0.0	0.0	0.0	0.0	35°	31.3	46.4	64.0	96.8	149.5	195.8
0.0	0.0	0.0	0.0	0.0	0.0	37.5°	29.8	43.3	61.2	91.9	153.8	204.9
0.0	0.0	0.0	0.0	0.0	0.0	40°	27.8	40.8	58.9	88.3	157.1	212.4
0.0	0.0	0.0	0.0	0.0	0.0	42.5°	26.0	38.6	57.1	85.1	157.9	219.2
0.0	0.0	0.0	0.0	0.0	0.0	45°	24.5	37.2	55.7	85.3	158.5	228.5
0.0	0.0	0.0	0.0	0.0	0.0	47.5°	23.3	35.9	55.2	88.2	164.9	241.6
0.0	0.0	0.0	0.0	0.0	0.0	50°	22.2	34.8	54.4	93.8	175.0	259.3
0.0	0.0	0.0	0.0	0.0	0.0	52.5°	20.9	33.3	53.3	99.6	186.1	282.9
0.0	0.0	0.0	0.0	0.0	0.0	55°	19.2	31.2	52.1	104.5	201.2	311.7
0.0	0.0	0.0	0.0	0.0	0.0	57.5°	16.6	28.9	51.3	107.0	210.5	328.3
0.0	0.0	0.0	0.0	0.0	0.0	59°	15.2	26.6	50.9	105.8	213.0	331.1
0.0	0.0	0.0	0.0	0.0	0.0	60°	14.4	25.2	50.2	104.3	213.7	329.3
0.0	0.0	0.0	0.0	0.0	0.0	62.5°	13.4	21.9	47.4	97.1	204.1	307.6
0.0	0.0	0.0	0.0	0.0	0.0	65°	13.7	20.7	41.0	82.6	182.2	265.3
0.0	0.0	0.0	0.0	0.0	0.0	67.5°	14.0	20.2	35.4	66.8	145.2	219.5
						70°	13.7	20.0	32.2	53.1	108.8	164.3
						72.5°	13.4	18.9	27.9	42.7	69.0	115.1
						75°	11.9	15.9	21.9	29.3	43.5	83.8
						77.5°	9.3	12.2	15.5	18.2	22.1	59.2
						80°	6.8	8.9	10.2	10.9	12.3	40.4
						82.5°	4.9	6.0	6.5	6.9	8.2	30.2
						85°	3.7	4.2	4.5	4.5	5.5	21.3
						87.5°	2.0	2.1	2.1	2.3	2.7	5.8
						90°	0.6	0.6	0.5	0.6	0.4	0.3
						92.5°	0.0	0.0	0.0	0.0	0.0	0.0
						95°	0.0	0.0	0.0	0.0	0.0	0.0
						97.5°	0.0	0.0	0.0	0.0	0.0	0.0
						100°	0.0	0.0	0.0	0.0	0.0	0.0
						102.5°	0.0	0.0	0.0	0.0	0.0	0.0
						105°	0.0	0.0	0.0	0.0	0.0	0.0
						107.5°	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: IST-AF-XXX-LED-E1-SLL-7030-XXB

CANDELA DISTRIBUTION (continued):

355°	359°	360°		325°	330°	335°	340°	345°	350°	355°
167.6	167.6	167.6	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171.2	172.5	173.5	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159.1	162.3	162.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141.1	146.2	148.0	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.9	133.4	135.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.6	127.1	129.2	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.8	128.6	131.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128.7	137.5	141.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.1	155.0	157.8	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160.4	173.1	177.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.6	194.3	197.5	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
194.5	211.0	213.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
207.5	224.9	227.3	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220.1	239.6	242.3	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
234.1	255.7	258.8	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
246.7	271.5	273.5	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.7	284.4	284.9	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
272.2	293.9	294.1	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
283.3	302.9	303.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
294.9	312.7	311.4	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
313.2	324.3	325.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
341.2	351.1	352.5	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
373.6	387.3	385.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
387.3	403.1	404.7	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
385.0	406.5	409.2	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
381.4	405.4	408.8	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.5	394.8	400.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
325.5	372.7	380.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
280.5	339.6	345.5	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
218.9	276.0	281.1								
145.5	189.5	198.2								
92.5	122.3	120.6								
68.2	79.5	79.6								
49.5	54.6	54.0								
38.3	33.3	33.2								
13.4	11.8	11.5								
5.8	4.9	5.0								
0.3	0.3	0.3								
0.0	0.0	0.0								
0.0	0.0	0.0								
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359°	360°
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