

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: P227372

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227372
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-SLR-7030-XXB
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE, EMERGENCY MODE WITH BATTERY
BACKPACK BOX
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT
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

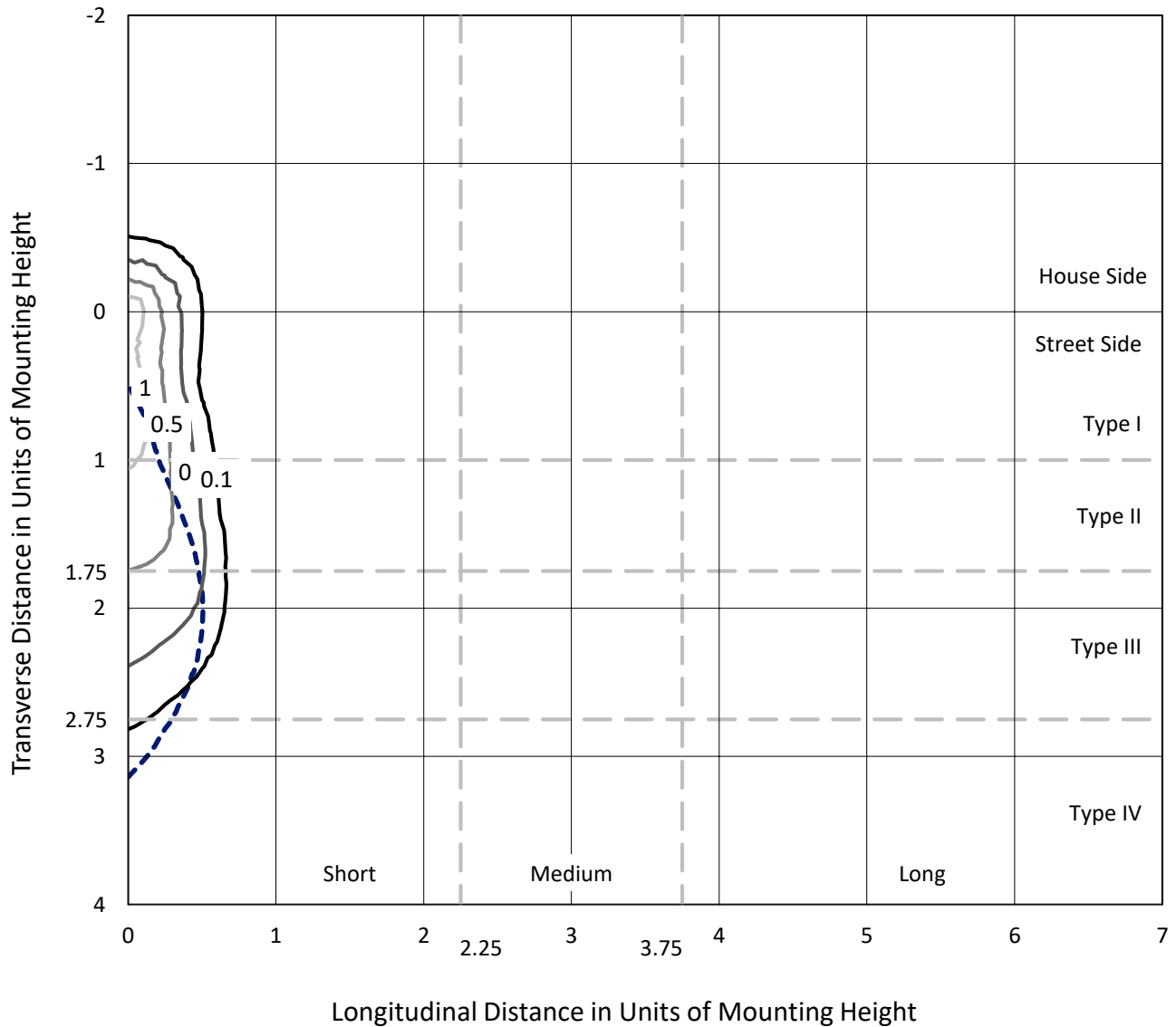


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

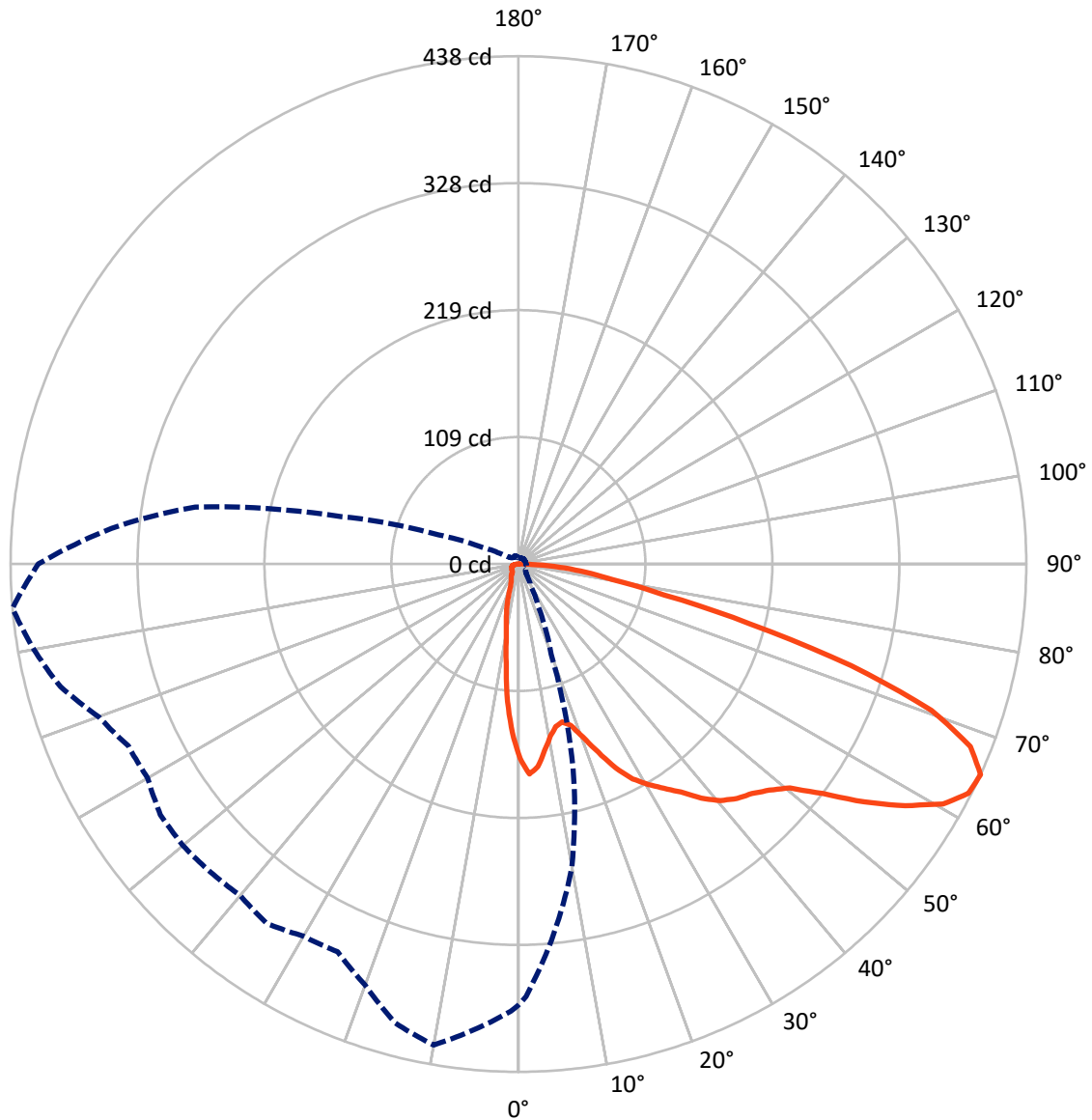


Based on 10 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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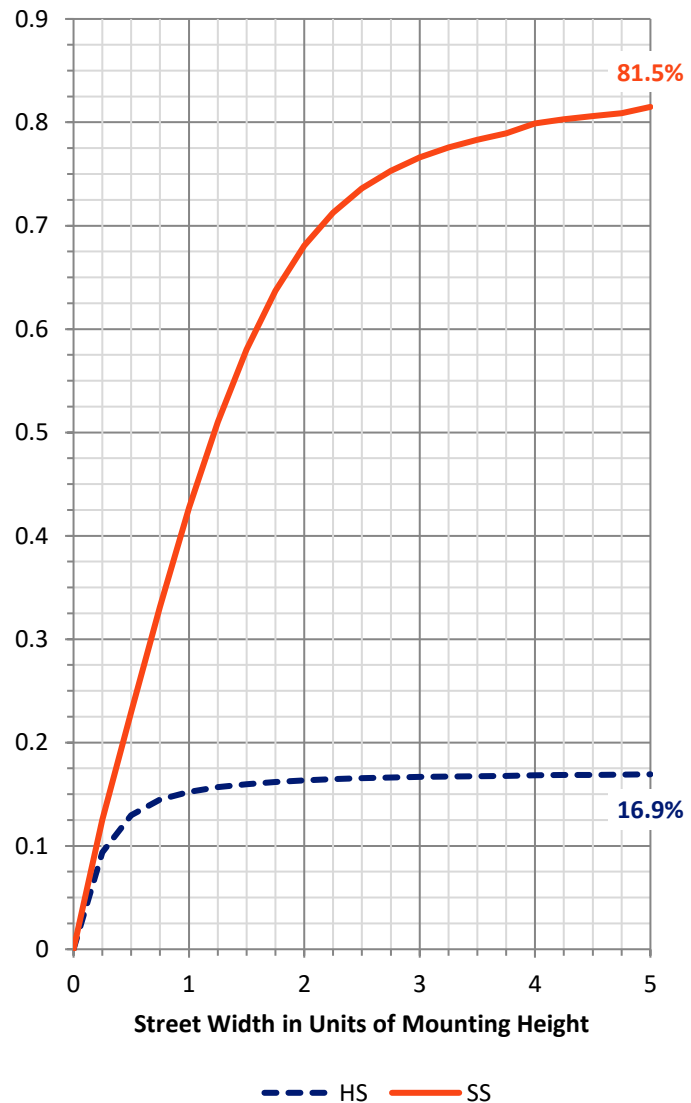
FLUX DISTRIBUTION:

		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

Coefficient of Utilization

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



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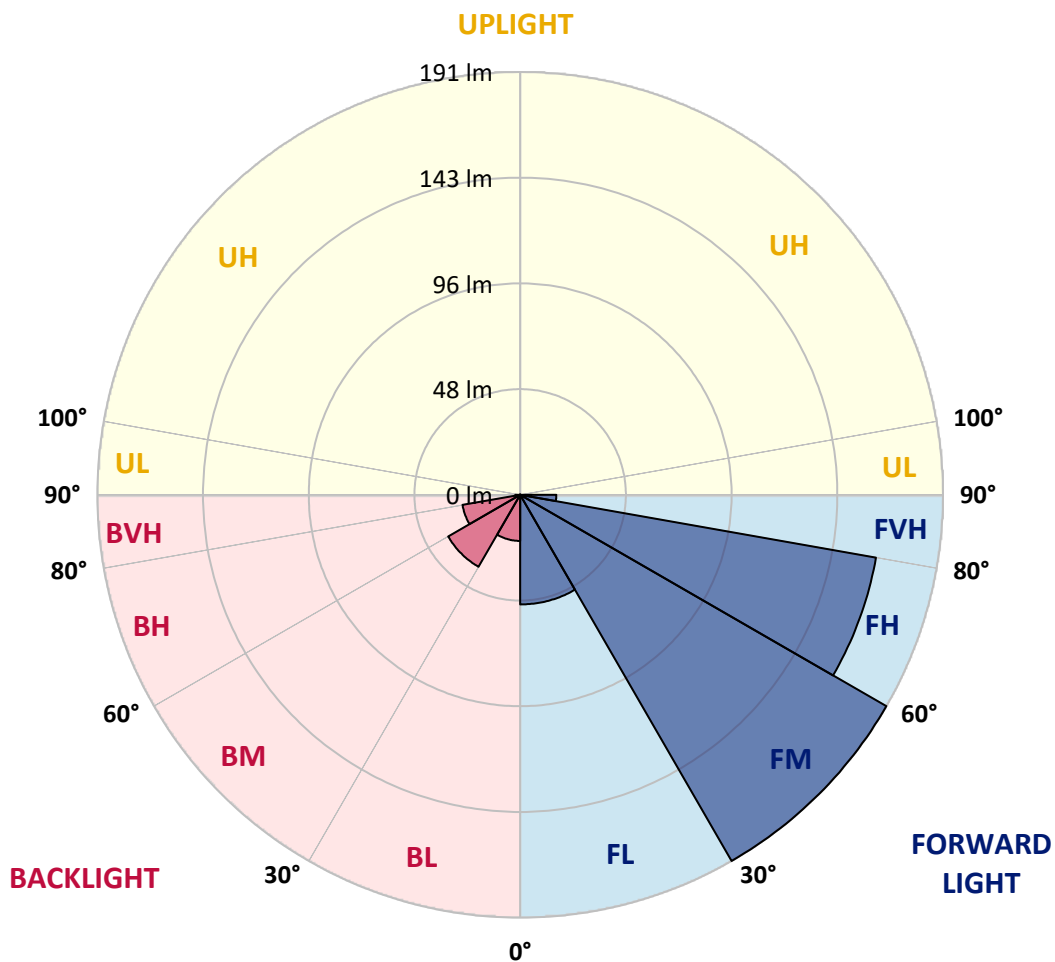
CATALOG NUMBER: IST-AF-XXX-LED-E1-SLR-7030-XXB

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	172.5	171.2	169.0	167.0	164.2	163.5	160.0	157.8	158.3	154.3
5°	162.9	162.3	159.1	154.2	150.9	144.5	140.9	139.0	133.7	133.0	131.6
7.5°	148.0	146.2	141.1	135.0	129.4	124.7	118.8	114.3	110.3	107.8	103.5
10°	135.3	133.4	127.9	120.4	113.7	107.1	102.4	96.5	90.8	86.3	82.8
12.5°	129.2	127.1	120.6	111.9	104.5	96.3	89.6	83.8	80.6	78.4	75.5
15°	131.6	128.6	120.8	110.4	101.2	92.5	85.3	79.1	75.3	71.9	68.5
17.5°	141.2	137.5	128.7	116.1	103.3	92.0	81.8	74.7	68.7	63.6	59.0
20°	157.8	155.0	142.1	124.6	107.9	92.3	78.8	69.5	62.2	55.7	49.6
22.5°	177.2	173.1	160.4	136.0	113.8	93.8	76.9	65.1	56.5	47.8	41.2
25°	197.5	194.3	177.6	151.4	122.9	97.0	75.5	61.3	49.8	40.1	32.8
27.5°	213.9	211.0	194.5	166.1	131.1	99.7	73.3	57.6	44.4	32.8	24.7
30°	227.3	224.9	207.5	178.3	141.2	100.7	70.3	53.4	38.4	26.5	20.4
32.5°	242.3	239.6	220.1	186.7	145.7	99.8	66.9	49.3	33.6	23.4	17.5
35°	258.8	255.7	234.1	195.8	149.5	96.8	64.0	46.4	31.3	21.3	15.5
37.5°	273.5	271.5	246.7	204.9	153.8	91.9	61.2	43.3	29.8	19.7	14.0
40°	284.9	284.4	260.7	212.4	157.1	88.3	58.9	40.8	27.8	19.1	13.5
42.5°	294.1	293.9	272.2	219.2	157.9	85.1	57.1	38.6	26.0	17.7	13.7
45°	303.0	302.9	283.3	228.5	158.5	85.3	55.7	37.2	24.5	16.7	13.0
47.5°	311.4	312.7	294.9	241.6	164.9	88.2	55.2	35.9	23.3	15.7	12.3
50°	325.6	324.3	313.2	259.3	175.0	93.8	54.4	34.8	22.2	14.8	11.6
52.5°	352.5	351.1	341.2	282.9	186.1	99.6	53.3	33.3	20.9	13.7	10.8
55°	385.4	387.3	373.6	311.7	201.2	104.5	52.1	31.2	19.2	12.6	10.3
57.5°	404.7	403.1	387.3	328.3	210.5	107.0	51.3	28.9	16.6	11.5	9.8
59°	409.2	406.5	385.0	331.1	213.0	105.8	50.9	26.6	15.2	11.0	9.6
60°	408.8	405.4	381.4	329.3	213.7	104.3	50.2	25.2	14.4	10.8	9.5
62.5°	400.0	394.8	360.5	307.6	204.1	97.1	47.4	21.9	13.4	10.4	9.0
65°	380.0	372.7	325.5	265.3	182.2	82.6	41.0	20.7	13.7	10.2	8.6
67.5°	345.5	339.6	280.5	219.5	145.2	66.8	35.4	20.2	14.0	10.4	8.1
70°	281.1	276.0	218.9	164.3	108.8	53.1	32.2	20.0	13.7	10.0	7.7
72.5°	198.2	189.5	145.5	115.1	69.0	42.7	27.9	18.9	13.4	9.6	7.0
75°	120.6	122.3	92.5	83.8	43.5	29.3	21.9	15.9	11.9	8.6	6.3
77.5°	79.6	79.5	68.2	59.2	22.1	18.2	15.5	12.2	9.3	7.1	5.5
80°	54.0	54.6	49.5	40.4	12.3	10.9	10.2	8.9	6.8	5.4	4.5
82.5°	33.2	33.3	38.3	30.2	8.2	6.9	6.5	6.0	4.9	4.2	3.5
85°	11.5	11.8	13.4	21.3	5.5	4.5	4.5	4.2	3.7	2.8	2.3
87.5°	5.0	4.9	5.8	5.8	2.7	2.3	2.1	2.1	2.0	1.5	1.3
90°	0.3	0.3	0.3	0.3	0.4	0.6	0.5	0.6	0.6	0.5	0.3
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°	153.1	152.1	149.5	148.8	149.7	148.0	147.5	147.1	143.9	145.6	143.7
5°	128.0	127.7	122.3	123.5	122.3	120.5	119.7	121.5	118.3	119.0	119.4
7.5°	98.4	97.3	93.7	91.4	89.9	88.6	87.0	84.3	86.4	86.0	89.2
10°	79.8	77.6	75.4	72.1	70.2	68.4	66.5	65.5	63.1	62.8	61.7
12.5°	73.2	70.0	67.2	64.3	62.3	58.7	55.7	53.9	52.3	49.9	48.2
15°	64.3	61.6	58.0	55.2	52.1	48.8	45.9	43.5	42.4	40.2	39.2
17.5°	55.3	51.3	46.9	44.1	39.8	36.5	34.1	32.5	30.9	29.5	28.3
20°	44.6	39.4	34.6	31.0	27.7	24.4	23.3	21.4	20.7	20.2	20.7
22.5°	33.9	28.5	23.6	20.8	19.0	18.2	17.2	16.9	16.6	16.6	16.7
25°	24.8	20.3	17.9	16.9	16.2	15.7	15.4	15.1	14.9	14.9	14.9
27.5°	19.2	16.8	15.6	14.9	14.4	14.1	13.9	13.7	13.6	13.5	13.6
30°	16.6	15.4	14.5	13.8	13.2	12.6	12.4	12.3	12.4	12.5	12.4
32.5°	14.5	13.6	12.6	12.0	11.6	11.3	11.3	11.1	11.1	11.4	11.4
35°	13.1	12.2	11.5	10.8	10.2	9.9	9.6	9.5	9.6	9.6	9.8
37.5°	12.0	11.4	10.8	10.1	9.6	9.2	9.0	8.9	8.8	8.7	8.7
40°	11.3	10.8	10.3	9.6	9.1	8.8	8.6	8.5	8.4	8.3	8.3
42.5°	11.3	10.4	10.1	9.5	8.9	8.5	8.3	8.1	7.9	7.9	7.9
45°	12.4	10.7	10.1	9.4	8.8	8.4	8.1	7.9	7.7	7.7	7.6
47.5°	12.0	12.0	10.2	9.4	8.9	8.4	8.0	7.8	7.6	7.5	7.4
50°	11.4	12.5	11.4	9.6	8.9	8.3	7.9	7.7	7.4	7.3	7.3
52.5°	11.1	11.6	11.9	10.0	9.0	8.3	7.9	7.6	7.4	7.3	7.2
55°	10.2	10.9	11.4	9.8	9.0	8.1	7.7	7.4	7.2	7.1	7.0
57.5°	9.4	9.9	10.9	9.8	8.7	8.0	7.5	7.2	7.0	6.9	6.8
59°	9.1	9.1	9.7	10.1	8.5	7.9	7.4	7.1	6.9	6.8	6.7
60°	8.9	8.9	9.2	10.3	8.5	7.9	7.3	7.0	6.7	6.7	6.7
62.5°	8.5	8.3	8.5	9.6	8.2	7.7	7.2	6.8	6.6	6.6	6.5
65°	8.1	7.8	7.8	8.0	7.7	7.3	7.0	6.7	6.3	6.3	6.4
67.5°	7.7	7.3	7.3	7.3	7.1	7.0	6.7	6.3	6.1	6.1	6.1
70°	7.1	6.8	6.7	6.6	6.6	6.5	6.2	6.0	5.8	5.9	5.8
72.5°	6.4	6.2	6.1	6.1	6.0	5.9	5.6	5.5	5.4	5.5	5.5
75°	5.7	5.5	5.5	5.3	5.3	5.2	5.0	4.9	4.8	4.9	5.0
77.5°	4.9	4.7	4.6	4.6	4.6	4.6	4.3	4.2	4.2	4.4	4.4
80°	4.0	3.9	3.8	3.8	3.8	3.8	3.6	3.5	3.5	3.6	3.7
82.5°	3.1	2.9	2.9	3.0	3.1	3.1	2.8	2.6	2.6	2.8	3.0
85°	2.0	2.0	2.0	2.1	2.1	2.2	2.0	1.8	1.9	2.0	2.2
87.5°	1.1	1.2	1.1	1.0	1.2	1.1	1.1	1.0	1.1	1.2	1.3
90°	0.3	0.3	0.3	0.2	0.1	0.2	0.2	0.3	0.1	0.1	0.2
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: P227372

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLR-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: P227372

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLR-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°	145.4	143.9	143.2	146.2	145.9	143.3	143.3	145.1	145.2	143.7	145.5
5°	120.0	118.5	119.9	118.7	119.4	119.3	120.3	118.4	119.2	118.5	116.9
7.5°	89.0	91.9	93.4	91.4	93.9	95.2	93.4	95.2	92.4	90.1	92.3
10°	61.2	64.5	63.9	67.0	68.2	68.9	70.2	68.6	66.6	66.0	64.4
12.5°	47.5	46.8	46.5	47.8	48.6	47.5	48.4	47.4	46.4	44.6	44.5
15°	37.1	36.0	35.3	33.8	33.3	33.6	34.0	34.0	31.9	32.0	32.8
17.5°	28.2	27.9	27.3	26.1	25.4	25.6	25.5	25.1	24.8	25.0	26.0
20°	21.2	20.9	21.3	21.6	21.3	21.4	21.1	20.7	20.5	20.7	20.8
22.5°	16.7	17.1	17.5	18.0	18.1	18.5	18.4	18.5	18.2	18.0	17.6
25°	15.3	15.5	15.2	15.3	15.3	15.7	15.6	15.6	15.3	15.2	15.3
27.5°	13.5	13.4	13.4	13.6	13.6	13.8	14.0	13.8	13.5	13.4	13.5
30°	12.5	12.4	12.3	12.4	12.3	12.4	12.6	12.6	12.4	12.1	12.2
32.5°	11.4	11.4	11.4	11.4	11.4	11.4	11.5	11.3	11.3	11.2	11.2
35°	10.1	10.2	10.4	10.5	10.5	10.5	10.7	10.4	10.3	10.2	10.2
37.5°	8.7	8.9	9.4	9.6	9.7	9.9	10.0	9.8	9.6	9.5	9.3
40°	8.3	8.3	8.5	8.8	9.1	9.2	9.4	9.1	9.0	8.8	8.5
42.5°	7.9	8.0	8.0	8.1	8.2	8.4	8.6	8.4	8.2	8.0	7.8
45°	7.7	7.7	7.7	7.7	7.6	7.6	7.7	7.5	7.4	7.3	7.3
47.5°	7.5	7.4	7.3	7.3	7.2	7.1	7.1	6.9	6.9	6.9	6.9
50°	7.3	7.2	7.1	7.0	6.8	6.8	6.8	6.7	6.6	6.6	6.7
52.5°	7.1	7.0	6.9	6.8	6.7	6.7	6.7	6.5	6.4	6.4	6.4
55°	7.0	6.9	6.7	6.7	6.6	6.7	6.6	6.5	6.3	6.3	6.3
57.5°	6.7	6.8	6.7	6.6	6.6	6.6	6.6	6.4	6.3	6.1	6.2
59°	6.7	6.7	6.7	6.6	6.5	6.6	6.6	6.3	6.2	6.1	6.1
60°	6.6	6.7	6.6	6.5	6.5	6.6	6.5	6.4	6.2	6.0	6.1
62.5°	6.5	6.5	6.4	6.4	6.3	6.4	6.3	6.1	6.0	5.8	5.7
65°	6.3	6.3	6.2	6.2	6.1	6.1	6.1	6.0	5.8	5.6	5.6
67.5°	6.2	6.1	6.1	6.1	6.0	6.0	6.0	5.8	5.5	5.5	5.4
70°	5.9	5.8	5.8	5.7	5.6	5.7	5.8	5.5	5.3	5.1	5.0
72.5°	5.5	5.5	5.5	5.4	5.4	5.5	5.5	5.3	5.0	4.8	4.7
75°	5.0	5.0	5.0	5.0	5.0	5.1	5.1	4.9	4.6	4.4	4.2
77.5°	4.4	4.4	4.4	4.4	4.4	4.6	4.6	4.4	4.2	4.0	3.8
80°	3.8	3.8	3.8	3.8	3.9	3.9	3.8	3.8	3.7	3.5	3.2
82.5°	3.2	3.2	3.2	3.2	3.2	3.1	2.9	3.1	3.1	2.9	2.6
85°	2.5	2.5	2.5	2.6	2.6	2.3	2.0	2.0	2.3	2.2	2.0
87.5°	1.5	1.5	1.5	1.8	1.6	1.5	1.3	1.4	1.3	1.5	1.2
90°	0.3	0.3	0.3	0.1	0.2	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: P227372
 CATALOG NUMBER: IST-AF-XXX-LED-E1-SLR-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: P227372
 NUMBER: IST-AF-XXX-LED-E1-SLR-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
145.6	146.0	146.8	146.5	149.3	148.5	150.4	153.1	155.6	154.4	154.7	112.5°	0.0
119.8	120.2	117.0	118.9	121.8	120.6	120.2	124.1	123.2	127.6	124.0	115°	0.0
88.7	87.7	86.1	85.4	83.2	83.2	87.3	89.0	88.8	91.9	95.0	117.5°	0.0
62.3	61.1	59.2	58.7	60.9	61.9	63.7	65.5	67.9	71.4	73.4	120°	0.0
45.8	45.3	45.8	47.0	49.0	50.5	53.2	56.3	59.0	61.8	64.5	122.5°	0.0
34.6	35.4	36.5	37.4	38.9	41.7	43.1	46.6	49.0	51.5	54.6	125°	0.0
26.9	27.4	27.7	28.0	29.3	31.2	31.2	34.8	38.0	41.2	43.9	127.5°	0.0
20.5	20.5	19.6	20.1	20.3	20.1	21.2	23.2	25.3	27.4	31.6	130°	0.0
17.2	16.6	16.4	16.3	16.4	16.7	17.3	18.1	18.4	19.4	21.0	132.5°	0.0
15.2	15.1	14.9	14.9	15.0	15.1	15.7	16.4	16.6	16.8	17.4	135°	0.0
13.4	13.6	13.8	13.7	13.8	14.0	14.4	15.0	15.4	15.5	15.9	137.5°	0.0
12.1	12.3	12.4	12.6	12.6	12.7	13.1	13.7	13.9	14.3	14.8	140°	0.0
11.3	11.4	11.4	11.4	11.4	11.4	11.9	12.5	12.8	13.1	13.3	142.5°	0.0
10.3	10.2	10.2	10.2	10.0	9.9	10.1	10.7	10.8	11.0	11.6	145°	0.0
9.2	9.0	8.8	8.8	8.8	8.9	9.3	9.9	10.0	10.2	10.8	147.5°	0.0
8.2	8.1	8.1	8.2	8.3	8.5	8.8	9.4	9.5	9.7	10.2	150°	0.0
7.7	7.7	7.7	7.8	7.9	7.9	8.4	9.0	9.1	9.4	9.9	152.5°	0.0
7.3	7.4	7.3	7.3	7.4	7.6	8.0	8.7	9.0	9.2	9.7	155°	0.0
7.1	7.1	7.1	7.2	7.2	7.3	7.9	8.5	8.7	9.0	9.8	157.5°	0.0
6.7	6.9	6.8	6.9	7.0	7.2	7.7	8.4	8.6	9.1	10.0	160°	0.0
6.6	6.6	6.6	6.7	6.8	6.9	7.3	8.1	8.5	9.1	10.5	162.5°	0.0
6.5	6.3	6.3	6.4	6.6	6.7	7.2	7.9	8.4	9.0	10.4	165°	0.0
6.4	6.1	6.1	6.1	6.3	6.4	6.9	7.7	8.3	8.8	10.1	167.5°	0.0
6.1	6.0	5.9	6.0	6.1	6.3	6.7	7.5	7.9	8.6	9.6	170°	0.0
6.1	5.8	5.8	5.9	6.1	6.1	6.6	7.3	7.8	8.7	9.9	172.5°	0.0
5.7	5.6	5.6	5.7	5.7	5.9	6.4	7.2	7.5	8.9	8.3	175°	0.0
5.5	5.5	5.5	5.5	5.5	5.6	6.2	7.0	7.2	7.7	7.1	177.5°	0.0
5.3	5.3	5.3	5.3	5.3	5.5	6.0	6.7	6.8	6.7	6.5	180°	0.0
5.0	5.0	5.0	5.0	5.0	5.1	5.6	6.3	6.3	6.1	6.1		
4.7	4.6	4.6	4.6	4.6	4.7	5.2	5.9	5.8	5.7	5.7		
4.2	4.2	4.2	4.2	4.2	4.2	4.7	5.4	5.3	5.2	5.1		
3.7	3.7	3.8	3.7	3.6	3.5	4.0	4.8	4.8	4.7	4.6		
3.2	3.1	3.2	3.1	2.9	2.9	3.3	4.0	4.1	4.0	3.8		
2.6	2.5	2.5	2.5	2.1	2.1	2.6	3.2	3.2	3.2	3.0		
2.0	1.9	1.8	1.7	1.5	1.5	1.8	2.4	2.5	2.1	2.0		
1.0	1.0	1.0	0.8	0.7	0.6	0.9	1.5	1.5	1.2	1.0		
0.0	0.0	0.0	0.0	0.0	0.0	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		

'227372
 IST-AF-XXX-LED-E1-SLR-7030-XXB

REPORT NUMBER: P227372
 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°	156.8	157.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	126.7	129.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	95.8	99.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	76.8	79.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	67.4	71.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	57.8	62.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	47.4	52.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	36.2	41.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	25.4	29.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	18.5	20.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	16.5	17.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	15.5	16.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	13.9	14.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	12.2	12.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	11.4	11.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	10.8	10.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	10.4	10.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	10.2	10.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	10.3	11.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	11.6	11.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	11.9	10.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	10.8	10.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	9.7	8.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	8.7	8.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	8.1	7.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	7.4	7.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	6.9	7.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	6.7	6.9
										70°	6.2	6.4
										72.5°	5.8	5.9
										75°	5.2	5.3
										77.5°	4.6	4.6
										80°	3.8	3.8
										82.5°	2.9	2.8
										85°	1.9	1.8
										87.5°	0.9	0.7
										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: P227372

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

X-LED-E1-SLR-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
161.4	163.8	165.7	165.4	169.4	171.8	172.1	174.6	177.0	112.5°	0.0	0.0	0.0
132.1	135.4	138.6	141.0	147.4	152.6	156.6	160.8	165.9	115°	0.0	0.0	0.0
105.3	108.1	113.4	117.2	123.9	129.9	135.8	142.6	148.3	117.5°	0.0	0.0	0.0
82.5	86.1	91.0	98.2	104.2	111.1	118.5	124.9	134.5	120°	0.0	0.0	0.0
74.1	76.3	80.4	83.8	91.3	98.6	107.0	115.8	124.6	122.5°	0.0	0.0	0.0
65.5	69.4	73.3	78.2	84.7	92.7	101.8	111.2	121.1	125°	0.0	0.0	0.0
57.1	62.3	66.5	71.9	79.1	89.3	101.1	112.9	124.5	127.5°	0.0	0.0	0.0
46.9	51.7	59.1	64.5	74.0	86.7	101.9	118.2	133.9	130°	0.0	0.0	0.0
36.9	42.1	50.5	58.6	69.0	85.4	104.9	126.9	147.9	132.5°	0.0	0.0	0.0
26.4	33.5	41.7	52.0	64.6	84.5	109.1	137.6	165.9	135°	0.0	0.0	0.0
19.7	24.7	34.7	45.9	59.8	83.0	113.5	147.6	178.2	137.5°	0.0	0.0	0.0
17.6	21.1	27.7	39.4	53.8	80.0	116.9	157.1	189.4	140°	0.0	0.0	0.0
15.4	18.1	23.3	33.3	48.4	75.4	118.3	162.1	197.1	142.5°	0.0	0.0	0.0
13.5	16.1	21.3	30.9	45.7	70.2	118.1	167.2	206.9	145°	0.0	0.0	0.0
12.3	14.5	20.5	30.3	43.5	65.4	118.3	175.3	221.3	147.5°	0.0	0.0	0.0
11.4	13.9	19.8	29.0	42.5	62.8	119.4	182.4	233.7	150°	0.0	0.0	0.0
11.4	13.7	18.1	27.2	42.0	63.0	119.8	188.0	242.9	152.5°	0.0	0.0	0.0
12.0	12.9	16.8	26.2	42.3	64.9	119.3	193.6	251.9	155°	0.0	0.0	0.0
11.4	12.0	16.0	26.0	42.3	66.3	120.8	200.6	263.6	157.5°	0.0	0.0	0.0
10.8	11.2	15.7	25.8	41.5	67.5	127.1	213.7	279.0	160°	0.0	0.0	0.0
10.0	10.5	15.4	25.4	40.6	69.2	138.3	235.6	304.4	162.5°	0.0	0.0	0.0
9.0	10.1	14.9	24.7	40.0	72.1	149.7	257.8	334.8	165°	0.0	0.0	0.0
8.7	9.6	13.7	23.1	39.4	75.2	162.0	279.1	362.0	167.5°	0.0	0.0	0.0
8.5	9.3	12.6	21.9	38.8	76.8	165.6	287.2	372.5	170°	0.0	0.0	0.0
8.3	9.1	12.0	20.8	38.2	76.8	168.3	290.3	374.0	172.5°	0.0	0.0	0.0
8.0	8.8	10.8	18.7	36.4	76.8	168.5	292.2	369.6	175°	0.0	0.0	0.0
7.6	8.5	10.9	17.6	33.0	73.2	157.9	282.8	351.9	177.5°	0.0	0.0	0.0
7.3	8.2	11.5	17.8	29.4	63.9	138.1	253.3	314.1	180°	0.0	0.0	0.0
6.7	8.0	12.0	18.4	28.3	53.1	104.5	206.9	263.0				
6.2	7.9	12.5	18.9	27.2	43.7	72.4	146.7	196.9				
5.6	7.3	11.4	16.1	22.5	31.8	46.6	96.0	135.7				
4.9	5.8	8.3	11.3	16.6	22.2	27.6	58.0	88.8				
4.0	4.4	5.9	7.3	11.0	13.1	15.3	32.7	62.1				
3.0	3.1	4.0	4.6	6.2	7.3	9.1	20.1	50.3				
1.7	2.0	2.7	3.1	3.8	4.6	6.0	12.8	39.4				
0.7	0.9	1.6	1.8	2.0	2.6	3.3	7.4	12.3				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	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: P227372

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLR-7030->

SLR-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°	179.4	181.2	182.7	183.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	171.3	175.4	180.5	184.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	156.8	162.1	170.3	175.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	143.2	150.9	159.9	167.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	133.9	143.5	152.1	160.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	131.3	141.1	148.8	156.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	136.4	146.2	152.8	157.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	148.5	159.0	163.2	162.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	164.9	176.0	176.0	172.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	186.7	194.7	190.3	183.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	202.2	209.6	202.0	191.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	215.0	220.4	210.8	197.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	226.2	230.3	217.5	204.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	239.7	241.2	224.5	211.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	254.7	255.9	234.6	217.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	272.3	268.0	242.0	223.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	283.1	276.1	247.4	227.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	291.6	282.1	249.9	229.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	302.1	290.9	254.2	232.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	316.0	303.1	265.3	242.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	344.3	328.4	285.1	258.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	376.9	361.8	316.7	286.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	403.1	392.9	345.0	311.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	412.7	408.3	365.0	333.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	416.3	420.0	375.6	346.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	418.8	435.1	410.0	384.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	413.6	437.5	423.9	408.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	391.4	420.0	417.3	403.7
								70°	345.8	377.6	386.8	367.5
								72.5°	260.1	299.7	349.9	319.7
								75°	169.5	206.0	298.8	273.9
								77.5°	106.1	128.6	213.2	191.8
								80°	70.6	82.6	135.3	123.2
								82.5°	53.1	58.6	93.1	87.5
								85°	28.0	35.7	72.4	91.8
								87.5°	10.5	11.7	54.5	82.0
								90°	0.0	0.0	0.1	0.0
								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: P227372

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLR-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
184.9	186.5	187.4	186.7	187.8	188.1	186.9	112.5°	0.0	0.0	0.0	0.0	0.0
188.3	192.6	195.7	197.8	198.7	199.4	199.1	115°	0.0	0.0	0.0	0.0	0.0
182.0	188.6	194.3	198.2	199.6	200.6	199.7	117.5°	0.0	0.0	0.0	0.0	0.0
175.0	181.8	187.2	191.2	191.1	192.1	190.3	120°	0.0	0.0	0.0	0.0	0.0
168.4	175.1	179.9	179.7	178.5	175.5	175.0	122.5°	0.0	0.0	0.0	0.0	0.0
163.2	166.7	167.9	167.7	164.3	162.6	162.3	125°	0.0	0.0	0.0	0.0	0.0
160.7	160.5	157.8	154.8	151.5	151.4	149.1	127.5°	0.0	0.0	0.0	0.0	0.0
161.1	155.6	150.5	145.4	141.9	141.1	141.4	130°	0.0	0.0	0.0	0.0	0.0
166.5	156.7	147.2	142.0	137.9	136.7	137.2	132.5°	0.0	0.0	0.0	0.0	0.0
173.2	160.1	148.3	140.4	137.0	135.6	135.8	135°	0.0	0.0	0.0	0.0	0.0
177.7	164.0	152.0	142.1	137.6	136.3	137.1	137.5°	0.0	0.0	0.0	0.0	0.0
183.6	169.4	156.9	146.8	140.0	138.2	138.8	140°	0.0	0.0	0.0	0.0	0.0
189.3	175.2	163.9	152.4	144.2	140.9	141.8	142.5°	0.0	0.0	0.0	0.0	0.0
195.4	181.9	170.6	160.1	150.4	145.2	146.4	145°	0.0	0.0	0.0	0.0	0.0
202.6	189.8	180.1	170.4	160.5	156.1	156.7	147.5°	0.0	0.0	0.0	0.0	0.0
209.5	197.5	191.2	184.1	178.3	171.6	171.6	150°	0.0	0.0	0.0	0.0	0.0
213.6	207.5	205.8	203.7	200.3	195.5	194.5	152.5°	0.0	0.0	0.0	0.0	0.0
218.6	219.3	223.3	227.4	228.4	223.7	222.2	155°	0.0	0.0	0.0	0.0	0.0
228.1	235.3	248.2	259.4	261.6	265.4	261.0	157.5°	0.0	0.0	0.0	0.0	0.0
241.4	254.7	276.4	294.7	299.9	300.3	300.6	160°	0.0	0.0	0.0	0.0	0.0
256.6	275.6	304.4	326.1	335.4	337.9	336.1	162.5°	0.0	0.0	0.0	0.0	0.0
282.7	299.8	331.3	354.8	366.8	372.6	371.0	165°	0.0	0.0	0.0	0.0	0.0
308.5	329.8	357.5	380.7	393.4	399.9	401.3	167.5°	0.0	0.0	0.0	0.0	0.0
326.0	346.0	371.6	393.0	405.5	413.3	414.0	170°	0.0	0.0	0.0	0.0	0.0
336.8	355.1	380.1	398.9	411.4	418.0	420.4	172.5°	0.0	0.0	0.0	0.0	0.0
369.4	372.7	389.8	402.2	411.0	414.0	415.8	175°	0.0	0.0	0.0	0.0	0.0
384.7	370.8	368.8	376.5	377.3	375.3	372.8	177.5°	0.0	0.0	0.0	0.0	0.0
363.4	330.9	318.9	317.8	314.7	313.4	305.6	180°	0.0	0.0	0.0	0.0	0.0
315.6	268.8	247.5	236.0	243.0	242.7	234.7						
265.9	218.2	190.6	174.1	172.0	171.7	164.7						
216.0	171.3	147.1	139.1	129.4	126.5	127.7						
155.7	122.3	117.1	123.3	124.0	121.8	120.3						
98.1	91.9	96.9	108.1	114.7	111.8	112.9						
81.8	72.4	72.7	84.5	89.0	89.6	87.3						
90.8	72.5	59.4	58.0	56.4	35.5	49.4						
81.8	56.1	33.0	27.2	16.7	9.6	10.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	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):

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°	186.6	185.0	183.2	180.8	181.3	178.3
0.0	0.0	0.0	0.0	0.0	0.0	5°	196.4	193.6	189.8	184.9	180.4	174.6
0.0	0.0	0.0	0.0	0.0	0.0	7.5°	195.4	190.9	184.5	177.2	171.2	162.8
0.0	0.0	0.0	0.0	0.0	0.0	10°	186.6	180.7	175.5	167.9	160.2	152.8
0.0	0.0	0.0	0.0	0.0	0.0	12.5°	174.3	171.0	166.5	160.8	153.2	145.7
0.0	0.0	0.0	0.0	0.0	0.0	15°	160.9	161.2	158.5	156.9	153.2	147.2
0.0	0.0	0.0	0.0	0.0	0.0	17.5°	149.9	152.5	153.9	156.3	156.7	153.8
0.0	0.0	0.0	0.0	0.0	0.0	20°	142.6	146.2	150.7	157.3	164.2	167.2
0.0	0.0	0.0	0.0	0.0	0.0	22.5°	138.5	142.9	150.2	162.1	174.8	182.4
0.0	0.0	0.0	0.0	0.0	0.0	25°	137.7	143.6	153.8	168.4	184.8	195.4
0.0	0.0	0.0	0.0	0.0	0.0	27.5°	139.0	146.7	158.7	175.4	191.5	206.9
0.0	0.0	0.0	0.0	0.0	0.0	30°	143.1	152.1	165.2	183.1	199.9	215.2
0.0	0.0	0.0	0.0	0.0	0.0	32.5°	147.0	158.1	172.6	190.1	206.9	222.2
0.0	0.0	0.0	0.0	0.0	0.0	35°	153.3	164.5	179.4	195.5	211.8	229.1
0.0	0.0	0.0	0.0	0.0	0.0	37.5°	163.0	172.8	184.7	199.7	216.7	234.6
0.0	0.0	0.0	0.0	0.0	0.0	40°	176.7	183.2	190.9	202.8	219.1	238.3
0.0	0.0	0.0	0.0	0.0	0.0	42.5°	197.3	198.7	201.3	207.5	221.2	242.5
0.0	0.0	0.0	0.0	0.0	0.0	45°	223.9	219.8	217.4	216.6	226.0	245.3
0.0	0.0	0.0	0.0	0.0	0.0	47.5°	254.7	246.6	237.4	233.0	235.2	249.6
0.0	0.0	0.0	0.0	0.0	0.0	50°	294.8	281.7	263.6	250.8	249.7	262.4
0.0	0.0	0.0	0.0	0.0	0.0	52.5°	331.6	314.5	291.7	276.6	270.5	286.3
0.0	0.0	0.0	0.0	0.0	0.0	55°	366.3	353.2	327.4	308.6	306.5	318.0
0.0	0.0	0.0	0.0	0.0	0.0	57.5°	396.8	385.5	364.4	339.9	340.7	351.9
0.0	0.0	0.0	0.0	0.0	0.0	59°	412.6	403.1	383.6	358.7	360.5	375.9
0.0	0.0	0.0	0.0	0.0	0.0	60°	418.2	410.3	391.7	370.7	373.1	389.1
0.0	0.0	0.0	0.0	0.0	0.0	62.5°	417.8	412.7	399.2	389.3	401.5	413.2
0.0	0.0	0.0	0.0	0.0	0.0	65°	378.0	370.2	368.6	386.0	409.5	420.8
0.0	0.0	0.0	0.0	0.0	0.0	67.5°	300.6	304.3	318.9	348.7	388.2	404.6
						70°	223.3	229.7	249.2	286.6	340.9	369.2
						72.5°	164.2	170.7	188.6	229.6	280.5	305.6
						75°	128.8	130.8	143.7	175.9	221.0	241.6
						77.5°	119.0	113.1	107.8	125.1	149.1	166.7
						80°	110.8	99.6	87.2	92.4	98.2	117.0
						82.5°	86.1	78.6	68.9	75.6	78.3	78.9
						85°	50.4	44.8	56.8	80.4	79.6	69.7
						87.5°	17.8	23.1	26.0	44.6	53.9	46.6
						90°	0.0	0.3	0.8	0.9	1.3	0.4
						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-SLR-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
176.0	173.7	173.5	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.0	164.6	162.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155.6	149.3	148.0	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143.4	136.5	135.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.2	130.6	129.2	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139.6	132.3	131.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148.6	140.9	141.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163.9	159.0	157.8	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
184.1	178.7	177.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
201.2	198.5	197.5	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
213.6	214.9	213.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223.5	227.8	227.3	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
233.7	242.0	242.3	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
241.2	255.8	258.8	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250.8	270.4	273.5	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
258.2	281.1	284.9	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
265.3	290.0	294.1	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
271.2	298.8	303.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
277.9	307.3	311.4	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
289.8	320.8	325.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
315.5	345.6	352.5	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
352.7	379.9	385.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
386.1	403.2	404.7	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
399.9	409.6	409.2	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
410.0	411.2	408.8	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
415.4	404.1	400.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
401.2	385.4	380.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.0	351.7	345.5	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
306.2	285.1	281.1								
232.1	204.2	198.2								
162.2	128.7	120.6								
106.6	82.6	79.6								
69.2	54.9	54.0								
48.2	36.0	33.2								
29.6	12.0	11.5								
9.2	5.5	5.0								
0.3	0.3	0.3								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								

<u>359°</u>	<u>360°</u>
0.0	0.0
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