

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: P227393

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227393
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-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) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 586.3 lumens
Efficiency: N/A
Efficacy: 45.1 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

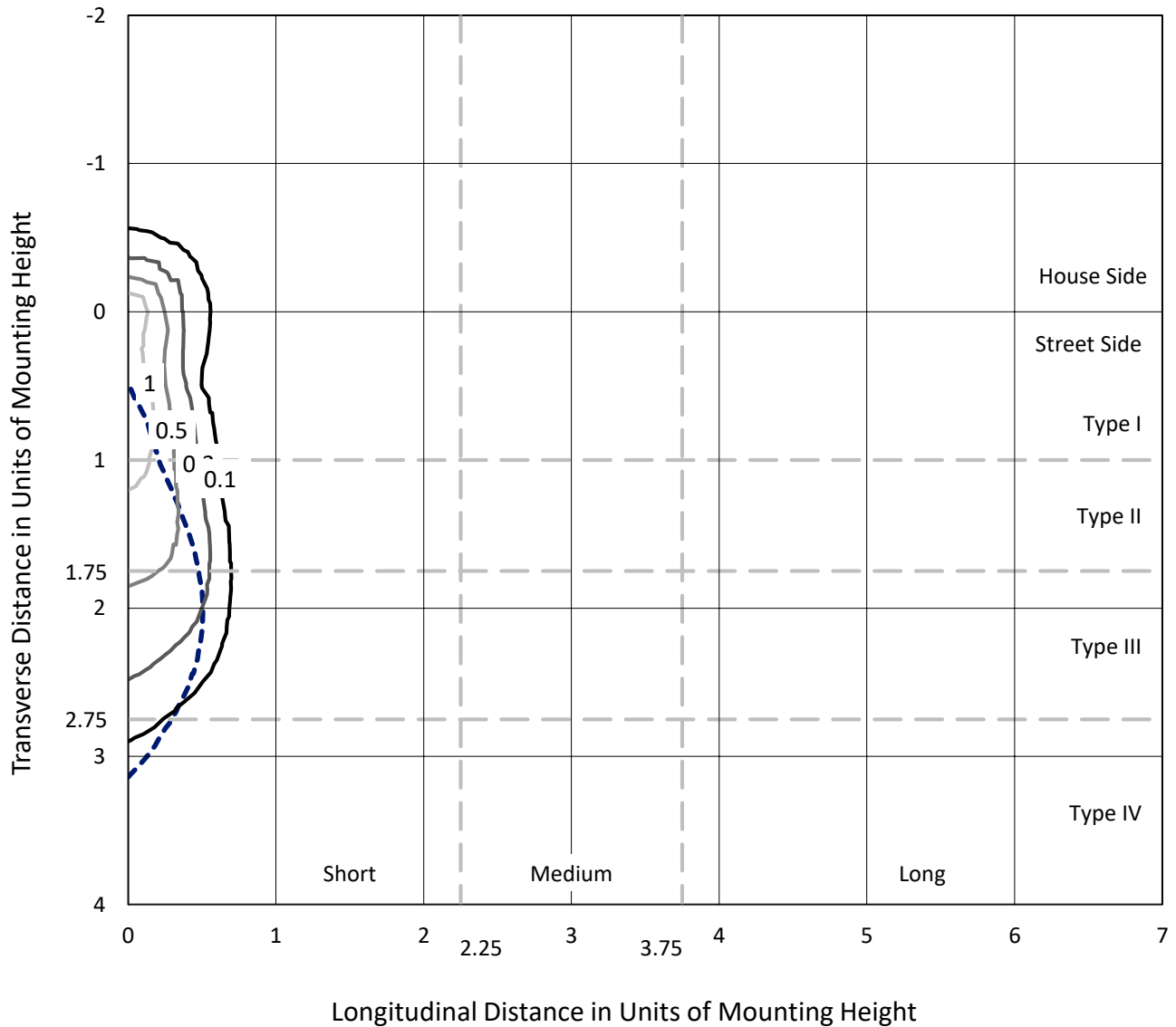


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Iso-Footcandle Lines of Horizontal Illumination

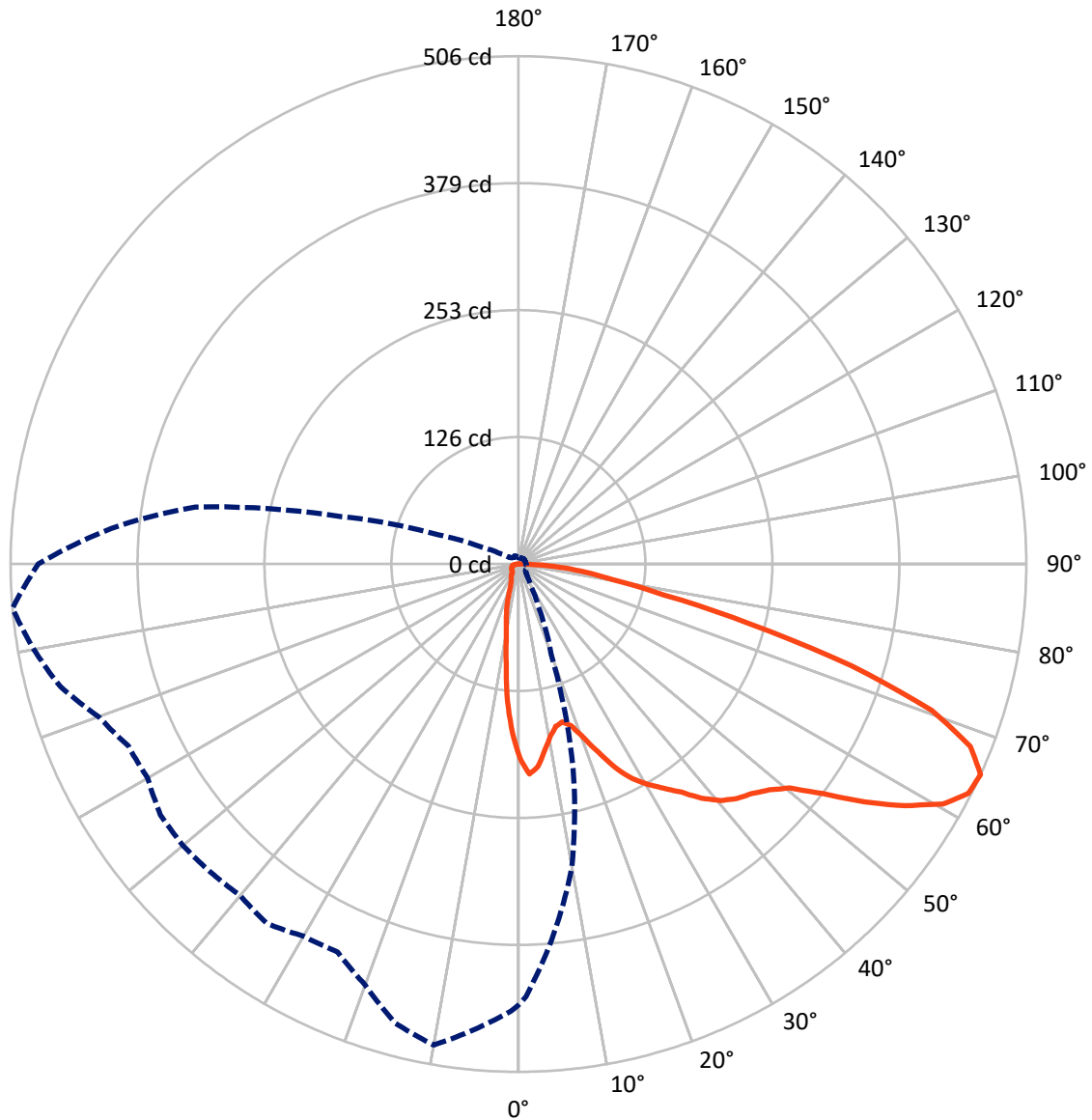
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.9 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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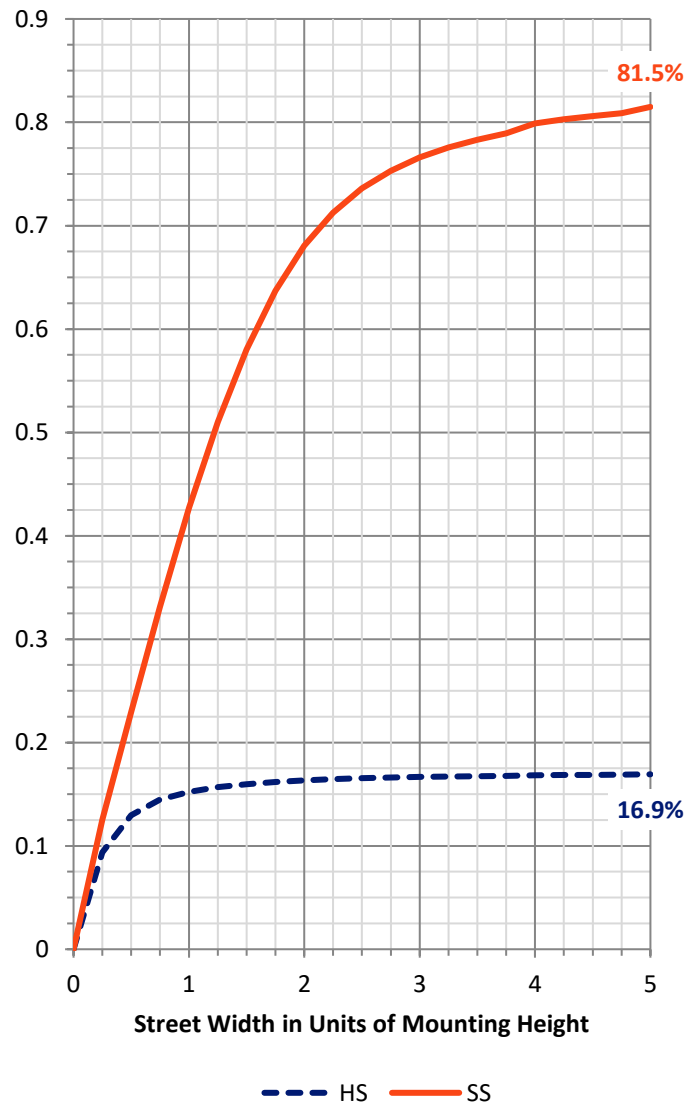
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	100.6	0.0	100.6
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	485.7	0.0	485.7
	% Fixture	82.8	0.0	82.8
Total	Lumens	586.2	0.0	586.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	2.4
10°-20°	27.6	4.7
20°-30°	39.4	6.7
30°-40°	57.1	9.7
40°-50°	81.7	13.9
50°-60°	125.4	21.4
60°-70°	145.2	24.8
70°-80°	74.1	12.6
80°-90°	21.4	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°	586.2	100.0
0°-180°	586.3	100.0



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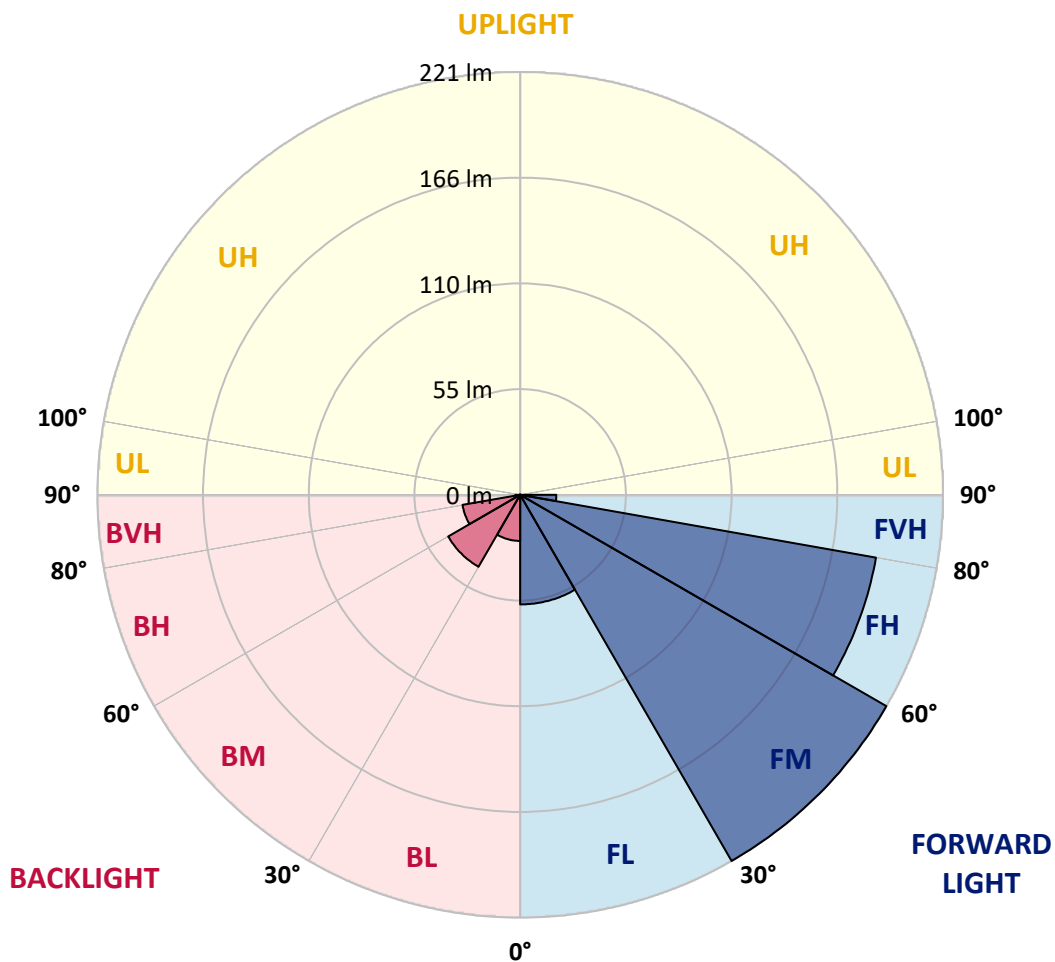
CATALOG NUMBER: IST-AF-XXX-LED-E1-SLR-XXB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	57.3	9.8			
FM	(30°-60°)	220.8	37.7			
FH	(60°-80°)	188.7	32.2			G0/660
FVH	(80°-90°)	18.9	3.2			G1/100
BL	(0°-30°)	24.1	4.1	B0/110		
BM	(30°-60°)	43.4	7.4	B0/220		
BH	(60°-80°)	30.6	5.2	B0/110		G0/110
BVH	(80°-90°)	2.5	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°	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6
2.5°	200.5	199.3	197.8	195.3	192.9	189.8	188.9	184.8	182.3	182.9	178.3
5°	188.2	187.5	183.9	178.2	174.4	167.0	162.8	160.6	154.5	153.7	152.0
7.5°	171.0	169.0	163.1	156.0	149.6	144.1	137.4	132.1	127.5	124.6	119.6
10°	156.4	154.2	147.8	139.1	131.4	123.8	118.3	111.5	104.9	99.7	95.7
12.5°	149.2	146.9	139.4	129.3	120.8	111.3	103.5	96.8	93.1	90.5	87.3
15°	152.0	148.5	139.6	127.6	116.9	106.9	98.6	91.3	87.1	83.1	79.2
17.5°	163.2	159.0	148.6	134.2	119.4	106.4	94.5	86.3	79.4	73.6	68.1
20°	182.3	179.1	164.3	143.9	124.7	106.7	91.0	80.3	71.9	64.4	57.3
22.5°	204.7	200.0	185.4	157.1	131.6	108.4	88.9	75.3	65.3	55.2	47.6
25°	228.2	224.5	205.2	174.9	142.0	112.1	87.3	70.8	57.5	46.3	37.8
27.5°	247.1	243.9	224.7	192.0	151.5	115.2	84.7	66.6	51.4	37.8	28.5
30°	262.6	259.8	239.9	206.0	163.2	116.3	81.3	61.7	44.4	30.6	23.6
32.5°	280.0	276.9	254.3	215.7	168.4	115.3	77.3	57.0	38.9	27.0	20.3
35°	299.0	295.5	270.6	226.3	172.8	111.9	74.0	53.7	36.2	24.6	18.0
37.5°	316.0	313.7	285.1	236.8	177.7	106.2	70.8	50.0	34.5	22.8	16.2
40°	329.2	328.7	301.3	245.5	181.6	102.0	68.0	47.2	32.1	22.1	15.5
42.5°	339.9	339.7	314.6	253.3	182.5	98.4	66.0	44.6	30.1	20.5	15.9
45°	350.2	350.1	327.3	264.1	183.2	98.6	64.4	43.1	28.3	19.3	15.0
47.5°	359.9	361.4	340.7	279.2	190.5	101.9	63.8	41.5	26.9	18.1	14.2
50°	376.2	374.8	362.0	299.6	202.2	108.4	62.8	40.3	25.7	17.1	13.4
52.5°	407.3	405.7	394.2	326.9	215.1	115.2	61.6	38.5	24.1	15.9	12.5
55°	445.4	447.6	431.8	360.2	232.5	120.8	60.1	36.1	22.2	14.5	12.0
57.5°	467.7	465.7	447.6	379.3	243.3	123.6	59.3	33.3	19.1	13.3	11.4
59°	472.9	469.7	445.0	382.6	246.1	122.2	58.8	30.7	17.6	12.7	11.0
60°	472.4	468.5	440.7	380.5	246.9	120.6	58.0	29.2	16.7	12.5	10.9
62.5°	462.3	456.2	416.6	355.5	235.9	112.2	54.7	25.4	15.4	12.1	10.3
65°	439.2	430.7	376.2	306.6	210.5	95.5	47.4	23.9	15.8	11.9	9.9
67.5°	399.3	392.5	324.2	253.7	167.9	77.1	40.9	23.4	16.2	12.1	9.4
70°	324.8	319.0	253.0	190.0	125.7	61.4	37.2	23.1	15.9	11.6	8.9
72.5°	229.0	219.0	168.1	133.0	79.7	49.3	32.2	21.8	15.4	11.2	8.1
75°	139.4	141.3	106.9	96.9	50.3	33.9	25.4	18.3	13.7	9.9	7.3
77.5°	92.0	91.9	78.9	68.3	25.6	21.0	18.0	14.1	10.7	8.2	6.3
80°	62.4	63.0	57.2	46.6	14.2	12.6	11.8	10.2	7.9	6.2	5.2
82.5°	38.4	38.5	44.3	34.9	9.5	8.0	7.5	7.0	5.6	4.8	4.1
85°	13.3	13.6	15.4	24.7	6.4	5.2	5.2	4.8	4.2	3.3	2.7
87.5°	5.7	5.6	6.8	6.8	3.2	2.7	2.5	2.5	2.4	1.7	1.4
90°	0.4	0.3	0.3	0.4	0.5	0.7	0.6	0.7	0.7	0.6	0.4
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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CATALOG NUMBER: IST-AF-XXX-LED-E1-SLR-XXB

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6
2.5°	176.9	175.8	172.8	172.0	173.0	170.9	170.5	170.0	166.3	168.2	166.0
5°	147.9	147.6	141.4	142.7	141.4	139.2	138.3	140.3	136.8	137.5	138.0
7.5°	113.6	112.4	108.3	105.6	103.9	102.4	100.6	97.5	99.8	99.3	103.1
10°	92.3	89.7	87.2	83.3	81.1	79.1	76.8	75.7	72.9	72.6	71.3
12.5°	84.6	80.9	77.6	74.3	72.0	67.9	64.4	62.3	60.5	57.7	55.6
15°	74.3	71.2	67.0	63.7	60.1	56.5	53.1	50.3	49.0	46.4	45.3
17.5°	63.9	59.3	54.1	50.9	45.9	42.1	39.4	37.5	35.7	34.2	32.7
20°	51.5	45.5	40.0	35.8	31.9	28.2	26.9	24.8	23.9	23.4	23.8
22.5°	39.2	32.9	27.2	24.0	22.0	21.0	19.9	19.5	19.2	19.1	19.3
25°	28.7	23.5	20.8	19.5	18.7	18.1	17.8	17.5	17.3	17.2	17.3
27.5°	22.2	19.4	18.0	17.3	16.7	16.3	16.1	15.8	15.7	15.5	15.7
30°	19.2	17.8	16.8	16.0	15.2	14.6	14.3	14.2	14.3	14.4	14.3
32.5°	16.8	15.7	14.6	13.9	13.4	13.0	13.0	12.8	12.8	13.1	13.2
35°	15.2	14.1	13.3	12.5	11.9	11.5	11.2	10.9	11.0	11.0	11.4
37.5°	13.9	13.1	12.5	11.7	11.0	10.6	10.4	10.2	10.1	10.0	10.0
40°	13.0	12.5	12.0	11.2	10.5	10.1	9.9	9.7	9.7	9.6	9.6
42.5°	13.0	12.1	11.7	10.9	10.2	9.8	9.6	9.4	9.2	9.2	9.2
45°	14.3	12.4	11.7	10.8	10.1	9.7	9.4	9.1	8.9	8.9	8.8
47.5°	13.9	13.8	11.9	10.8	10.2	9.7	9.3	9.0	8.8	8.7	8.6
50°	13.2	14.4	13.2	11.2	10.2	9.6	9.2	8.9	8.6	8.5	8.5
52.5°	12.8	13.4	13.7	11.6	10.3	9.6	9.1	8.8	8.6	8.4	8.3
55°	11.9	12.6	13.1	11.4	10.3	9.4	8.9	8.6	8.3	8.2	8.1
57.5°	10.8	11.5	12.6	11.4	10.0	9.3	8.7	8.3	8.1	8.0	7.9
59°	10.5	10.5	11.3	11.7	9.8	9.2	8.6	8.2	8.0	7.9	7.7
60°	10.2	10.2	10.6	12.0	9.7	9.1	8.5	8.1	7.8	7.8	7.7
62.5°	9.8	9.6	9.7	11.2	9.5	8.9	8.3	7.9	7.6	7.6	7.5
65°	9.4	9.0	9.0	9.3	8.9	8.5	8.1	7.7	7.3	7.3	7.4
67.5°	8.9	8.5	8.4	8.4	8.2	8.1	7.7	7.3	7.1	7.1	7.1
70°	8.2	7.9	7.8	7.6	7.6	7.5	7.2	7.0	6.8	6.9	6.8
72.5°	7.4	7.2	7.0	7.0	7.0	6.9	6.5	6.3	6.2	6.3	6.3
75°	6.6	6.3	6.3	6.1	6.1	6.0	5.7	5.6	5.5	5.6	5.7
77.5°	5.6	5.4	5.3	5.3	5.3	5.3	4.9	4.8	4.8	5.0	5.0
80°	4.6	4.5	4.4	4.4	4.4	4.3	4.2	4.1	4.1	4.2	4.2
82.5°	3.6	3.4	3.4	3.5	3.6	3.6	3.3	3.1	3.1	3.3	3.5
85°	2.4	2.4	2.4	2.5	2.5	2.6	2.4	2.0	2.1	2.3	2.6
87.5°	1.3	1.4	1.3	1.2	1.4	1.3	1.3	1.2	1.3	1.4	1.4
90°	0.4	0.4	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: P227393

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLR-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: P227393

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

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6
2.5°	168.0	166.3	165.4	168.9	168.6	165.6	165.6	167.8	167.9	166.0	168.1
5°	138.6	137.0	138.5	137.2	137.9	137.8	139.0	136.9	137.7	137.0	135.0
7.5°	102.8	106.2	107.9	105.7	108.5	110.0	107.9	110.0	106.8	104.1	106.7
10°	70.8	74.5	73.8	77.4	78.9	79.6	81.1	79.2	76.9	76.3	74.4
12.5°	54.8	54.1	53.8	55.2	56.2	54.8	56.0	54.7	53.6	51.5	51.4
15°	43.0	41.6	40.7	39.1	38.5	38.8	39.3	39.3	36.9	37.0	37.8
17.5°	32.5	32.2	31.6	30.2	29.3	29.6	29.5	29.1	28.7	28.9	30.0
20°	24.4	24.1	24.6	25.0	24.7	24.8	24.3	23.8	23.6	23.8	24.0
22.5°	19.3	19.7	20.3	20.9	20.9	21.4	21.3	21.4	21.0	20.9	20.4
25°	17.7	17.9	17.6	17.7	17.7	18.1	18.0	18.0	17.7	17.6	17.7
27.5°	15.5	15.4	15.4	15.7	15.7	16.0	16.2	16.0	15.5	15.4	15.5
30°	14.4	14.3	14.2	14.3	14.2	14.3	14.5	14.5	14.3	14.0	14.1
32.5°	13.2	13.2	13.1	13.2	13.1	13.1	13.3	13.0	13.0	12.9	12.9
35°	11.7	11.9	12.1	12.2	12.2	12.2	12.4	12.1	12.0	11.9	11.9
37.5°	10.0	10.2	10.8	11.2	11.3	11.5	11.6	11.4	11.2	10.9	10.7
40°	9.6	9.6	9.7	10.1	10.5	10.6	10.8	10.5	10.4	10.1	9.8
42.5°	9.2	9.3	9.3	9.4	9.5	9.7	9.9	9.7	9.5	9.3	9.0
45°	8.9	8.9	8.9	8.9	8.8	8.8	8.9	8.7	8.6	8.5	8.5
47.5°	8.7	8.6	8.5	8.4	8.3	8.2	8.2	8.0	8.0	8.0	8.0
50°	8.5	8.3	8.2	8.1	7.9	7.9	7.9	7.7	7.6	7.6	7.7
52.5°	8.2	8.1	8.0	7.9	7.8	7.7	7.7	7.5	7.4	7.4	7.4
55°	8.1	8.0	7.8	7.7	7.6	7.7	7.6	7.5	7.3	7.3	7.3
57.5°	7.8	7.9	7.8	7.6	7.6	7.6	7.6	7.4	7.3	7.1	7.2
59°	7.7	7.8	7.7	7.6	7.5	7.6	7.6	7.3	7.2	7.1	7.1
60°	7.6	7.7	7.6	7.5	7.5	7.6	7.5	7.4	7.2	7.0	7.0
62.5°	7.5	7.5	7.4	7.4	7.3	7.4	7.3	7.1	7.0	6.8	6.6
65°	7.3	7.3	7.2	7.2	7.1	7.1	7.1	7.0	6.8	6.5	6.5
67.5°	7.2	7.1	7.0	7.0	7.0	7.0	7.0	6.8	6.4	6.3	6.2
70°	6.9	6.8	6.8	6.6	6.5	6.6	6.8	6.4	6.1	5.9	5.8
72.5°	6.4	6.3	6.3	6.2	6.2	6.3	6.4	6.1	5.7	5.5	5.4
75°	5.8	5.7	5.7	5.7	5.7	5.9	5.9	5.6	5.3	5.0	4.8
77.5°	5.0	5.1	5.1	5.1	5.1	5.3	5.3	5.1	4.8	4.6	4.3
80°	4.3	4.3	4.4	4.4	4.5	4.5	4.4	4.3	4.2	4.1	3.7
82.5°	3.7	3.7	3.7	3.7	3.7	3.6	3.4	3.6	3.6	3.4	3.1
85°	2.9	2.9	2.9	3.0	3.0	2.7	2.4	2.4	2.7	2.6	2.4
87.5°	1.6	1.6	1.7	2.0	1.8	1.7	1.4	1.5	1.4	1.6	1.4
90°	0.4	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: P227393
 CATALOG NUMBER: IST-AF-XXX-LED-E1-SLR-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°

'227393
 IST-AF-XXX-LED-E1-SLR-XXB

REPORT NUMBER: P227393
 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°	193.6	193.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	181.3	182.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	146.4	149.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	110.7	115.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	88.7	91.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	77.8	82.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	66.8	71.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	54.7	60.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	41.8	47.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	29.4	34.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	21.4	23.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	19.0	19.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	17.9	18.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	16.1	16.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	14.1	14.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	13.1	13.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	12.5	12.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	12.1	12.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	11.8	12.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	12.0	13.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	13.4	13.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	13.7	12.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	12.5	11.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	11.3	10.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	10.0	9.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	9.4	9.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	8.6	8.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	8.0	8.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	7.7	8.0
										70°	7.2	7.4
										72.5°	6.8	6.9
										75°	6.0	6.1
										77.5°	5.3	5.3
										80°	4.3	4.3
										82.5°	3.4	3.3
										85°	2.1	2.0
										87.5°	1.0	0.8
										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: P227393

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

SLR-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°	193.6	193.6	193.6	193.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	207.2	209.4	211.1	212.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	197.9	202.7	208.6	213.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	181.3	187.4	196.8	202.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	165.4	174.4	184.7	193.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	154.7	165.8	175.7	185.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	151.7	163.1	172.0	180.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	157.6	169.0	176.6	181.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	171.5	183.7	188.5	188.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	190.6	203.4	203.4	199.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	215.7	224.9	219.9	212.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	233.6	242.2	233.4	221.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	248.5	254.7	243.6	228.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	261.5	266.1	251.3	236.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	277.0	278.8	259.5	243.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	294.3	295.7	271.1	251.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	314.7	309.6	279.7	258.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	327.1	319.1	285.9	262.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	337.1	326.0	288.8	264.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	349.1	336.1	293.8	268.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	365.1	350.3	306.6	279.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	397.9	379.4	329.4	299.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	435.6	418.1	366.0	331.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	465.7	454.0	398.6	360.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	476.9	471.9	421.8	384.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	481.1	485.4	434.0	399.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	484.0	502.8	473.7	444.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	478.0	505.6	489.9	472.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	452.2	485.3	482.2	466.6
								70°	399.6	436.4	447.0	424.7
								72.5°	300.6	346.3	404.4	369.5
								75°	195.8	238.0	345.3	316.5
								77.5°	122.7	148.5	246.3	221.7
								80°	81.6	95.5	156.4	142.4
								82.5°	61.4	67.7	107.5	101.2
								85°	32.3	41.2	83.7	106.1
								87.5°	12.2	13.5	62.9	94.8
								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: P227393

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

CANDELA DISTRIBUTION (continued):

290°	295°	300°	305°	310°	315°	320°		270°	275°	280°	285°	290°
193.6	193.6	193.6	193.6	193.6	193.6	193.6	110°	0.0	0.0	0.0	0.0	0.0
213.7	215.4	216.6	215.7	217.1	217.4	215.9	112.5°	0.0	0.0	0.0	0.0	0.0
217.7	222.6	226.2	228.6	229.6	230.5	230.1	115°	0.0	0.0	0.0	0.0	0.0
210.3	218.0	224.5	229.0	230.7	231.8	230.8	117.5°	0.0	0.0	0.0	0.0	0.0
202.2	210.1	216.4	220.9	220.8	222.0	219.9	120°	0.0	0.0	0.0	0.0	0.0
194.7	202.3	207.9	207.7	206.3	202.9	202.2	122.5°	0.0	0.0	0.0	0.0	0.0
188.6	192.7	194.1	193.7	189.9	187.8	187.5	125°	0.0	0.0	0.0	0.0	0.0
185.7	185.5	182.3	178.9	175.1	174.9	172.4	127.5°	0.0	0.0	0.0	0.0	0.0
186.2	179.7	173.9	168.0	164.0	163.1	163.4	130°	0.0	0.0	0.0	0.0	0.0
192.4	181.1	170.1	164.1	159.4	157.9	158.6	132.5°	0.0	0.0	0.0	0.0	0.0
200.2	184.9	171.3	162.2	158.4	156.7	156.9	135°	0.0	0.0	0.0	0.0	0.0
205.4	189.6	175.6	164.3	159.1	157.4	158.5	137.5°	0.0	0.0	0.0	0.0	0.0
212.2	195.7	181.4	169.6	161.8	159.7	160.4	140°	0.0	0.0	0.0	0.0	0.0
218.7	202.4	189.5	176.2	166.6	162.8	163.9	142.5°	0.0	0.0	0.0	0.0	0.0
225.9	210.2	197.1	184.9	173.8	167.9	169.2	145°	0.0	0.0	0.0	0.0	0.0
234.2	219.3	208.1	196.9	185.5	180.4	181.1	147.5°	0.0	0.0	0.0	0.0	0.0
242.1	228.2	221.0	212.7	206.0	198.4	198.4	150°	0.0	0.0	0.0	0.0	0.0
246.8	239.8	237.7	235.4	231.5	226.0	224.7	152.5°	0.0	0.0	0.0	0.0	0.0
252.7	253.5	258.0	262.7	263.9	258.5	256.9	155°	0.0	0.0	0.0	0.0	0.0
263.6	271.9	286.8	299.7	302.3	306.8	301.6	157.5°	0.0	0.0	0.0	0.0	0.0
279.1	294.3	319.5	340.5	346.6	347.0	347.4	160°	0.0	0.0	0.0	0.0	0.0
296.6	318.4	351.7	376.9	387.6	390.5	388.4	162.5°	0.0	0.0	0.0	0.0	0.0
326.6	346.5	382.9	410.0	423.8	430.6	428.8	165°	0.0	0.0	0.0	0.0	0.0
356.5	381.2	413.2	440.0	454.6	462.2	463.7	167.5°	0.0	0.0	0.0	0.0	0.0
376.8	399.9	429.4	454.1	468.6	477.6	478.4	170°	0.0	0.0	0.0	0.0	0.0
389.2	410.3	439.3	460.9	475.5	483.0	485.8	172.5°	0.0	0.0	0.0	0.0	0.0
426.9	430.8	450.5	464.8	475.0	478.4	480.5	175°	0.0	0.0	0.0	0.0	0.0
444.6	428.5	426.2	435.1	436.0	433.7	430.9	177.5°	0.0	0.0	0.0	0.0	0.0
420.0	382.4	368.5	367.3	363.7	362.2	353.1	180°	0.0	0.0	0.0	0.0	0.0
364.8	310.6	286.0	272.7	280.8	280.5	271.2						
307.3	252.2	220.3	201.2	198.8	198.5	190.3						
249.6	197.9	170.0	160.7	149.6	146.2	147.6						
179.9	141.3	135.3	142.5	143.3	140.8	139.0						
113.3	106.3	112.0	124.9	132.5	129.1	130.4						
94.5	83.7	84.1	97.7	102.8	103.6	101.0						
104.9	83.8	68.6	67.0	65.3	41.0	57.1						
94.5	64.9	38.2	31.5	19.3	11.2	11.6						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	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: P227393

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLR-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°	193.6	193.6	193.6	193.6	193.6	193.6
0.0	0.0	0.0	0.0	0.0	0.0	2.5°	215.6	213.8	211.8	209.0	209.5	206.1
0.0	0.0	0.0	0.0	0.0	0.0	5°	227.0	223.7	219.3	213.7	208.5	201.7
0.0	0.0	0.0	0.0	0.0	0.0	7.5°	225.9	220.7	213.2	204.7	197.8	188.1
0.0	0.0	0.0	0.0	0.0	0.0	10°	215.6	208.9	202.9	194.1	185.1	176.6
0.0	0.0	0.0	0.0	0.0	0.0	12.5°	201.4	197.6	192.4	185.8	177.1	168.4
0.0	0.0	0.0	0.0	0.0	0.0	15°	186.0	186.3	183.1	181.4	177.0	170.1
0.0	0.0	0.0	0.0	0.0	0.0	17.5°	173.3	176.3	177.9	180.7	181.2	177.8
0.0	0.0	0.0	0.0	0.0	0.0	20°	164.8	168.9	174.1	181.8	189.8	193.1
0.0	0.0	0.0	0.0	0.0	0.0	22.5°	160.0	165.2	173.5	187.4	201.9	210.7
0.0	0.0	0.0	0.0	0.0	0.0	25°	159.2	165.9	177.7	194.6	213.5	225.9
0.0	0.0	0.0	0.0	0.0	0.0	27.5°	160.6	169.5	183.4	202.6	221.3	239.2
0.0	0.0	0.0	0.0	0.0	0.0	30°	165.3	175.7	190.9	211.6	231.0	248.7
0.0	0.0	0.0	0.0	0.0	0.0	32.5°	169.9	182.7	199.5	219.7	239.2	256.9
0.0	0.0	0.0	0.0	0.0	0.0	35°	177.2	190.2	207.2	226.0	244.8	264.8
0.0	0.0	0.0	0.0	0.0	0.0	37.5°	188.3	199.7	213.4	230.8	250.4	271.1
0.0	0.0	0.0	0.0	0.0	0.0	40°	204.2	211.8	220.7	234.4	253.2	275.4
0.0	0.0	0.0	0.0	0.0	0.0	42.5°	228.0	229.6	232.6	239.8	255.6	280.3
0.0	0.0	0.0	0.0	0.0	0.0	45°	258.7	254.0	251.2	250.3	261.2	283.5
0.0	0.0	0.0	0.0	0.0	0.0	47.5°	294.3	285.0	274.4	269.2	271.8	288.5
0.0	0.0	0.0	0.0	0.0	0.0	50°	340.6	325.6	304.6	289.9	288.6	303.3
0.0	0.0	0.0	0.0	0.0	0.0	52.5°	383.2	363.5	337.2	319.7	312.5	330.9
0.0	0.0	0.0	0.0	0.0	0.0	55°	423.4	408.2	378.4	356.7	354.1	367.5
0.0	0.0	0.0	0.0	0.0	0.0	57.5°	458.6	445.5	421.0	392.8	393.7	406.7
0.0	0.0	0.0	0.0	0.0	0.0	59°	476.8	465.9	443.2	414.5	416.6	434.4
0.0	0.0	0.0	0.0	0.0	0.0	60°	483.3	474.1	452.7	428.4	431.2	449.6
0.0	0.0	0.0	0.0	0.0	0.0	62.5°	482.8	476.9	461.4	449.9	464.0	477.5
0.0	0.0	0.0	0.0	0.0	0.0	65°	436.8	427.8	426.1	446.0	473.3	486.3
0.0	0.0	0.0	0.0	0.0	0.0	67.5°	347.4	351.6	368.5	402.9	448.6	467.6
						70°	258.0	265.5	288.0	331.2	393.9	426.7
						72.5°	189.8	197.2	218.0	265.3	324.1	353.1
						75°	148.8	151.2	166.0	203.3	255.4	279.2
						77.5°	137.5	130.7	124.6	144.5	172.3	192.7
						80°	128.1	115.2	100.8	106.8	113.4	135.1
						82.5°	99.4	90.8	79.6	87.4	90.4	91.1
						85°	58.2	51.8	65.6	93.0	92.0	80.5
						87.5°	20.6	26.6	30.0	51.5	62.3	53.9
						90°	0.0	0.3	0.9	1.0	1.4	0.5
						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

REPORT NUMBER: P227393

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

CANDELA DISTRIBUTION (continued):

355°	359°	360°		325°	330°	335°	340°	345°	350°	355°
193.6	193.6	193.6	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
203.5	200.7	200.5	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
196.4	190.2	188.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179.7	172.6	171.0	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165.7	157.7	156.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158.6	151.0	149.2	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161.3	152.9	152.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171.7	162.8	163.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
189.5	183.7	182.3	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
212.7	206.5	204.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
232.5	229.3	228.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
246.8	248.4	247.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
258.3	263.2	262.6	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.1	279.6	280.0	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
278.8	295.6	299.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
289.9	312.4	316.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
298.4	324.9	329.2	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
306.7	335.1	339.9	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
313.4	345.3	350.2	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
321.1	355.2	359.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
334.9	370.6	376.2	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
364.7	399.4	407.3	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
407.5	439.1	445.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
446.2	466.0	467.7	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
462.2	473.4	472.9	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
473.7	475.2	472.4	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
480.1	467.0	462.3	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
463.6	445.4	439.2	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
416.0	406.4	399.3	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
353.9	329.4	324.8								
268.2	236.0	229.0								
187.4	148.7	139.4								
123.3	95.5	92.0								
79.9	63.4	62.4								
55.8	41.6	38.4								
34.3	13.9	13.3								
10.6	6.4	5.7								
0.3	0.4	0.4								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								

