

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: P271686

Luminaire Tested: **IST-AF-XXX-LED-E1-SLR-7027-XXB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271686
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-7027-XXB
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE, EMERGENCY MODE WITH BATTERY
BACKPACK BOX
LIGHT SQUARE WITH ACCUED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 497.9 lumens
Efficiency: N/A
Efficacy: 38.3 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

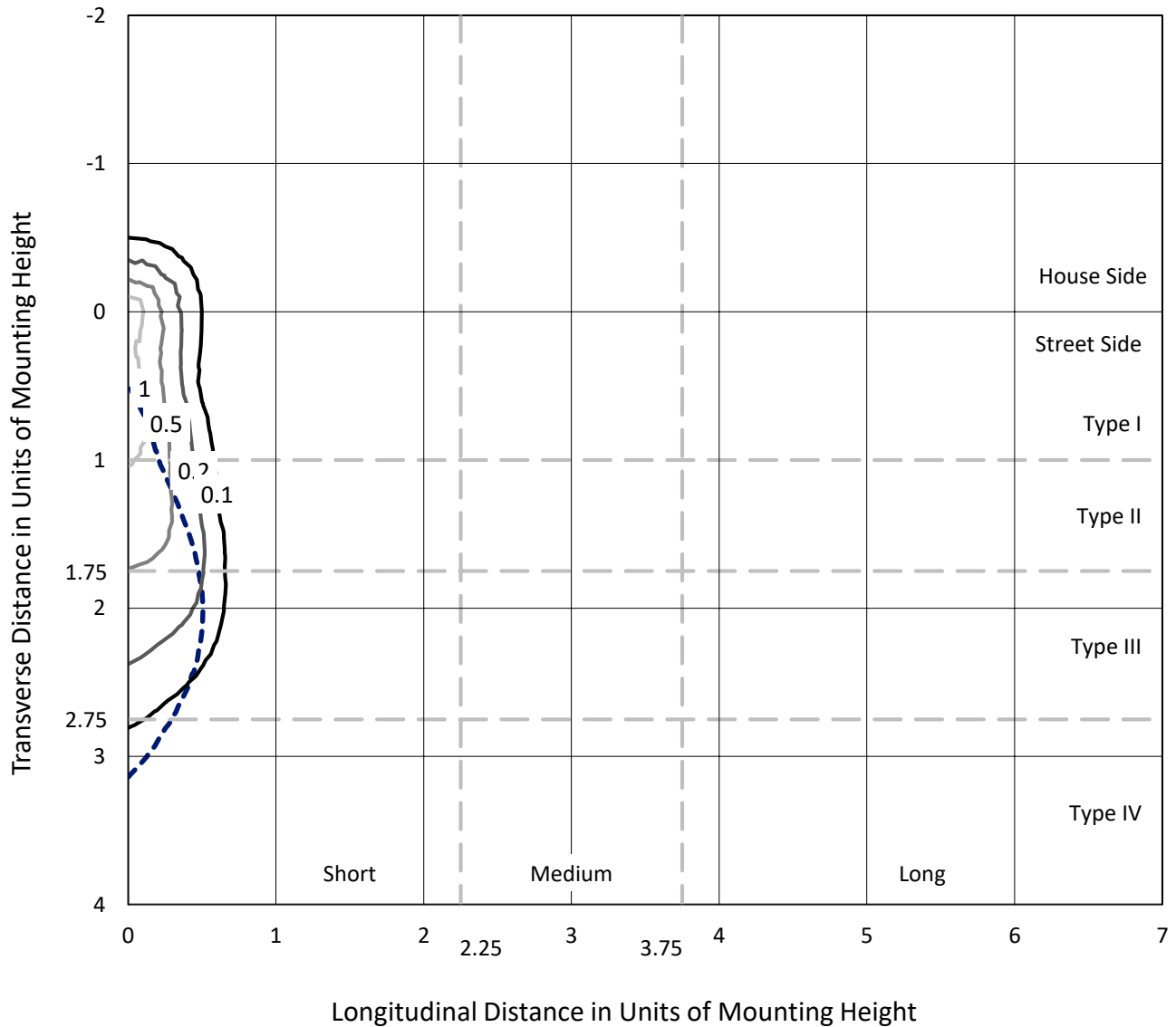


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

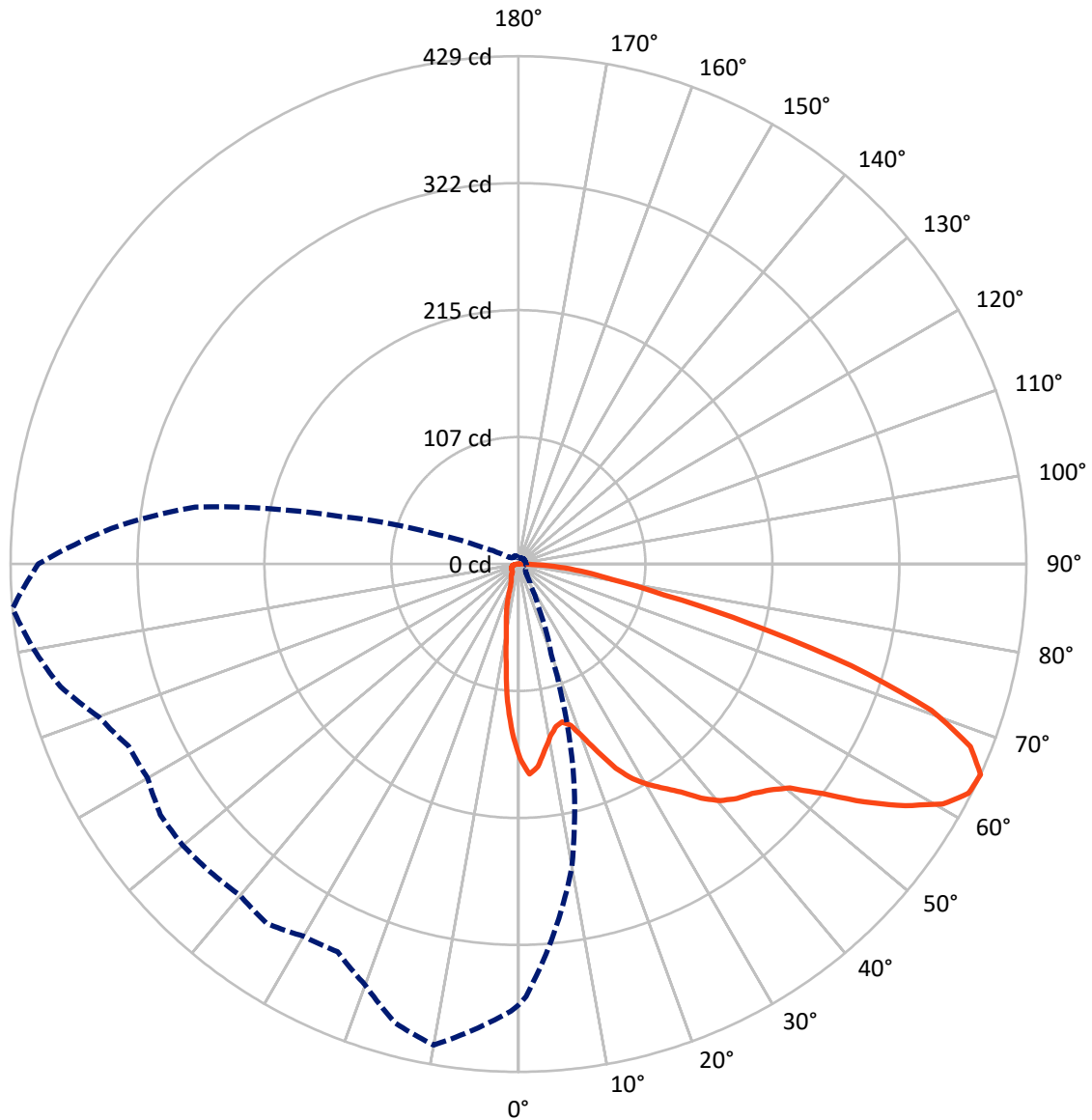


Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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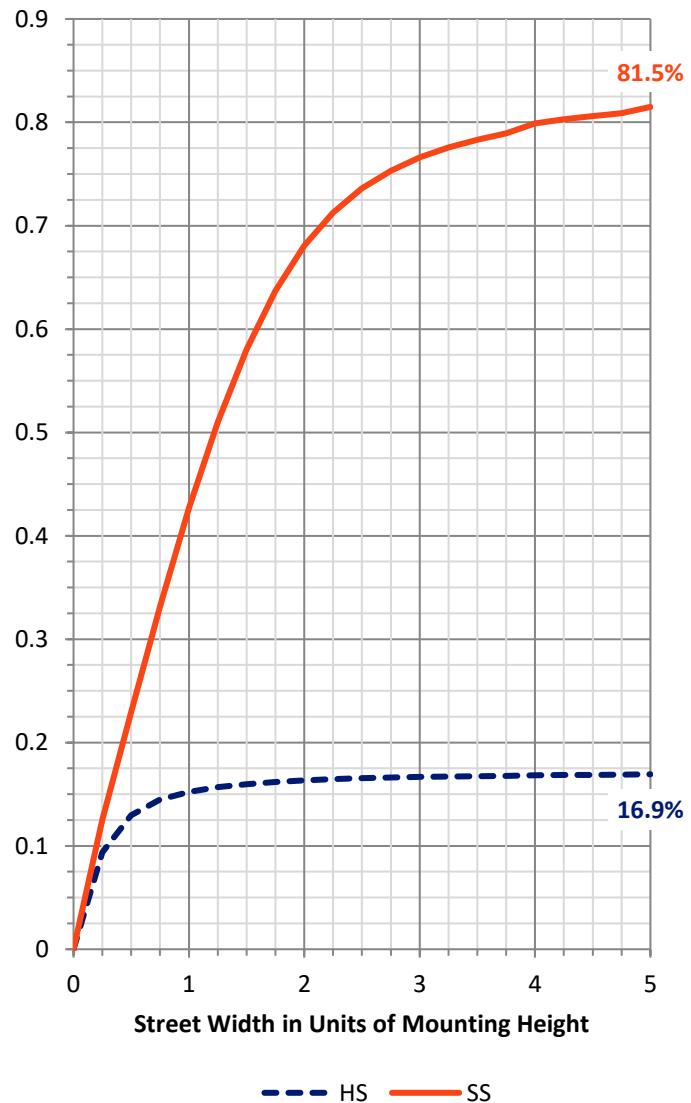
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	85.4	0.0	85.4
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	412.5	0.0	412.5
	% Fixture	82.8	0.0	82.8
Total	Lumens	497.9	0.0	497.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	2.4
10°-20°	23.4	4.7
20°-30°	33.4	6.7
30°-40°	48.5	9.7
40°-50°	69.4	13.9
50°-60°	106.5	21.4
60°-70°	123.3	24.8
70°-80°	62.9	12.6
80°-90°	18.2	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°	497.9	100.0
0°-180°	497.9	100.0



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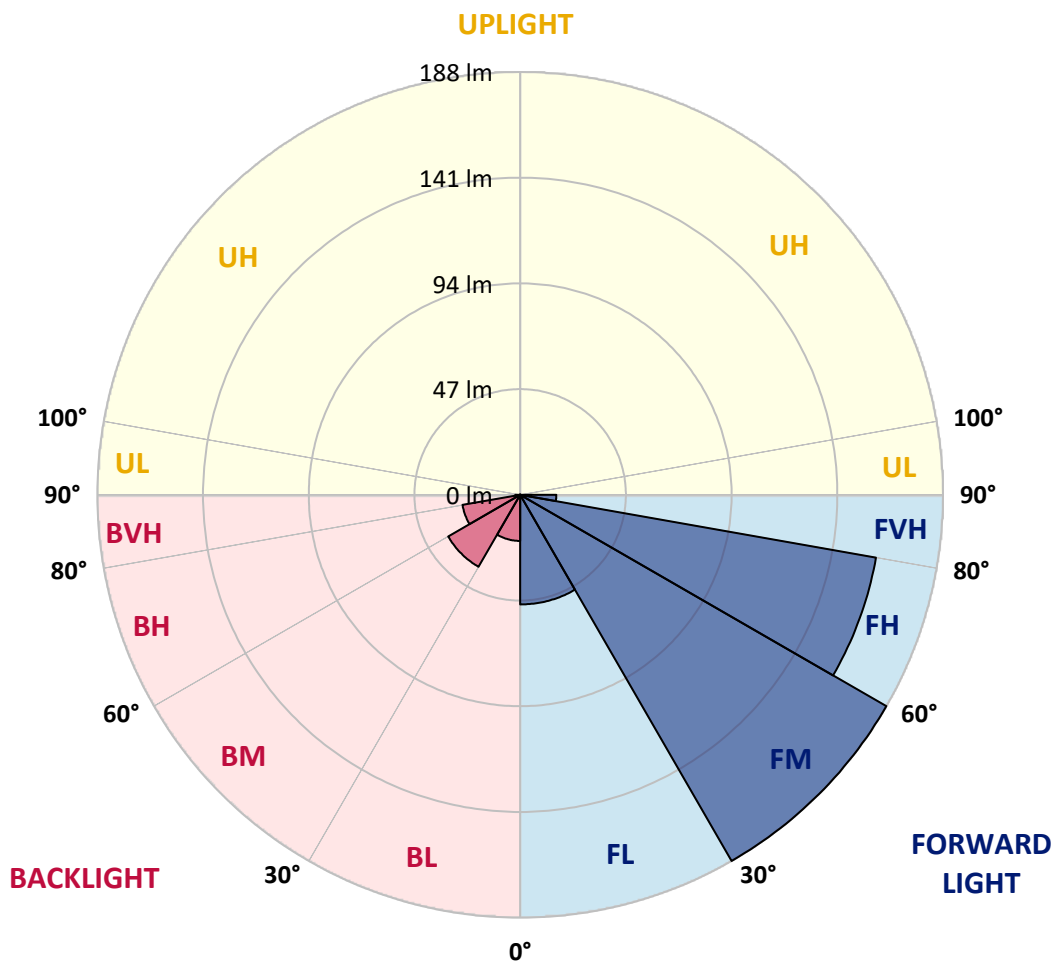
CATALOG NUMBER: IST-AF-XXX-LED-E1-SLR-7027-XXB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	48.6	9.8			
FM	(30°-60°)	187.5	37.7			
FH	(60°-80°)	160.2	32.2			G0/660
FVH	(80°-90°)	16.0	3.2			G1/100
BL	(0°-30°)	20.4	4.1	B0/110		
BM	(30°-60°)	36.9	7.4	B0/220		
BH	(60°-80°)	26.0	5.2	B0/110		G0/110
BVH	(80°-90°)	2.1	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°	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5
2.5°	170.3	169.3	168.1	165.8	163.9	161.2	160.4	157.0	154.9	155.4	151.5
5°	159.9	159.3	156.1	151.4	148.1	141.8	138.2	136.5	131.2	130.5	129.2
7.5°	145.3	143.5	138.5	132.5	127.0	122.3	116.6	112.2	108.2	105.8	101.6
10°	132.8	131.0	125.5	118.1	111.6	105.1	100.5	94.7	89.1	84.7	81.3
12.5°	126.8	124.8	118.4	109.9	102.6	94.5	87.9	82.3	79.1	77.0	74.1
15°	129.2	126.2	118.6	108.3	99.4	90.8	83.7	77.6	73.9	70.6	67.2
17.5°	138.6	134.9	126.3	113.9	101.4	90.3	80.3	73.3	67.5	62.4	57.9
20°	154.9	152.2	139.5	122.3	105.9	90.5	77.3	68.2	61.1	54.7	48.7
22.5°	173.9	169.9	157.5	133.5	111.7	92.1	75.5	63.9	55.4	46.9	40.4
25°	193.9	190.7	174.3	148.6	120.6	95.2	74.1	60.2	48.9	39.3	32.2
27.5°	209.9	207.1	190.9	163.0	128.6	97.8	72.0	56.5	43.6	32.2	24.3
30°	223.0	220.7	203.6	175.0	138.6	98.8	69.0	52.4	37.7	26.1	20.0
32.5°	237.8	235.2	216.0	183.3	143.0	97.9	65.7	48.4	33.0	23.0	17.2
35°	254.0	251.0	229.8	192.1	146.7	95.0	62.8	45.5	30.7	20.9	15.2
37.5°	268.4	266.4	242.1	201.1	150.9	90.2	60.1	42.5	29.3	19.3	13.7
40°	279.6	279.1	255.8	208.5	154.1	86.7	57.9	40.1	27.3	18.8	13.3
42.5°	288.6	288.4	267.2	215.1	155.0	83.5	56.1	37.9	25.5	17.3	13.5
45°	297.4	297.2	278.0	224.3	155.6	83.7	54.7	36.5	24.1	16.3	12.8
47.5°	305.6	307.0	289.4	237.2	161.9	86.6	54.2	35.2	22.9	15.5	12.0
50°	319.5	318.3	307.4	254.5	171.8	92.1	53.4	34.1	21.8	14.6	11.4
52.5°	345.9	344.6	334.9	277.7	182.6	97.7	52.3	32.7	20.5	13.5	10.6
55°	378.3	380.2	366.7	306.0	197.4	102.6	51.1	30.6	18.9	12.4	10.2
57.5°	397.2	395.6	380.2	322.2	206.6	105.0	50.3	28.4	16.3	11.3	9.6
59°	401.6	398.9	377.8	325.0	209.0	103.8	49.9	26.1	14.9	10.8	9.4
60°	401.3	397.9	374.3	323.2	209.8	102.4	49.2	24.7	14.1	10.6	9.3
62.5°	392.6	387.5	353.8	301.9	200.3	95.3	46.5	21.5	13.1	10.2	8.8
65°	373.0	365.8	319.4	260.4	178.9	81.0	40.2	20.3	13.5	10.0	8.4
67.5°	339.1	333.3	275.3	215.4	142.5	65.6	34.8	19.9	13.7	10.2	7.9
70°	275.9	270.9	214.9	161.2	106.8	52.1	31.6	19.7	13.5	9.8	7.5
72.5°	194.6	185.9	142.8	113.0	67.7	42.0	27.4	18.5	13.1	9.4	6.8
75°	118.4	120.0	90.8	82.3	42.7	28.7	21.5	15.6	11.7	8.4	6.2
77.5°	78.2	78.1	66.9	58.1	21.6	17.9	15.2	11.9	9.2	7.0	5.4
80°	53.0	53.6	48.6	39.6	12.0	10.7	10.0	8.7	6.6	5.3	4.4
82.5°	32.6	32.7	37.5	29.6	8.1	6.7	6.4	5.9	4.9	4.1	3.4
85°	11.3	11.6	13.1	20.9	5.4	4.4	4.4	4.1	3.6	2.8	2.2
87.5°	4.9	4.9	5.7	5.7	2.7	2.2	2.1	2.1	2.0	1.4	1.3
90°	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.6	0.6	0.4	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°	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5
2.5°	150.3	149.3	146.7	146.1	147.0	145.3	144.8	144.4	141.2	142.9	141.0
5°	125.7	125.3	120.0	121.2	120.0	118.3	117.5	119.3	116.2	116.8	117.2
7.5°	96.6	95.5	92.0	89.7	88.2	87.0	85.4	82.7	84.8	84.4	87.6
10°	78.3	76.2	74.0	70.8	68.9	67.1	65.3	64.3	61.9	61.6	60.5
12.5°	71.9	68.7	65.9	63.2	61.2	57.6	54.7	52.9	51.3	49.0	47.3
15°	63.2	60.5	57.0	54.2	51.1	47.9	45.1	42.7	41.6	39.4	38.4
17.5°	54.3	50.3	46.0	43.3	39.1	35.8	33.5	31.9	30.4	28.9	27.8
20°	43.7	38.6	34.0	30.5	27.2	24.0	22.9	21.0	20.3	19.9	20.3
22.5°	33.2	27.9	23.2	20.4	18.7	17.9	16.9	16.6	16.3	16.3	16.3
25°	24.3	19.9	17.6	16.6	15.9	15.5	15.1	14.8	14.6	14.6	14.6
27.5°	18.9	16.5	15.3	14.6	14.1	13.8	13.7	13.5	13.4	13.3	13.4
30°	16.3	15.1	14.2	13.6	12.9	12.4	12.1	12.0	12.1	12.3	12.1
32.5°	14.2	13.4	12.4	11.8	11.4	11.0	11.0	10.9	10.9	11.2	11.2
35°	12.8	11.9	11.3	10.6	10.0	9.7	9.4	9.3	9.4	9.4	9.6
37.5°	11.8	11.2	10.6	9.9	9.4	9.1	8.8	8.7	8.6	8.5	8.5
40°	11.0	10.6	10.2	9.4	8.9	8.6	8.4	8.4	8.3	8.2	8.2
42.5°	11.0	10.2	9.9	9.3	8.7	8.4	8.2	7.9	7.7	7.7	7.7
45°	12.1	10.5	9.9	9.3	8.6	8.3	7.9	7.7	7.5	7.5	7.5
47.5°	11.8	11.8	10.0	9.3	8.7	8.3	7.8	7.6	7.5	7.4	7.3
50°	11.2	12.3	11.2	9.4	8.7	8.2	7.7	7.5	7.3	7.2	7.2
52.5°	10.9	11.4	11.7	9.8	8.8	8.2	7.7	7.5	7.3	7.2	7.1
55°	10.0	10.7	11.2	9.6	8.8	7.9	7.5	7.3	7.1	7.0	6.8
57.5°	9.3	9.7	10.7	9.6	8.5	7.8	7.4	7.1	6.8	6.7	6.6
59°	8.9	8.9	9.5	9.9	8.4	7.7	7.3	7.0	6.7	6.6	6.6
60°	8.7	8.7	9.1	10.2	8.4	7.7	7.2	6.8	6.6	6.6	6.6
62.5°	8.4	8.2	8.4	9.4	8.1	7.5	7.1	6.6	6.5	6.5	6.4
65°	7.9	7.6	7.6	7.8	7.5	7.2	6.8	6.6	6.2	6.2	6.3
67.5°	7.5	7.2	7.2	7.2	7.0	6.8	6.6	6.2	6.0	6.0	6.0
70°	7.0	6.6	6.6	6.5	6.5	6.4	6.1	5.9	5.7	5.7	5.7
72.5°	6.3	6.1	6.0	6.0	5.9	5.7	5.5	5.4	5.3	5.4	5.4
75°	5.6	5.4	5.4	5.2	5.2	5.1	4.9	4.9	4.7	4.9	4.9
77.5°	4.9	4.6	4.5	4.5	4.5	4.5	4.2	4.1	4.1	4.3	4.3
80°	4.0	3.9	3.8	3.8	3.8	3.8	3.5	3.4	3.4	3.5	3.6
82.5°	3.1	2.9	2.9	3.0	3.1	3.1	2.8	2.5	2.5	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: P271686

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLR-7027-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: P271686

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLR-7027-XXB

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5
2.5°	142.7	141.2	140.6	143.5	143.2	140.7	140.7	142.4	142.5	141.0	142.8
5°	117.8	116.3	117.7	116.5	117.2	117.0	118.0	116.2	117.0	116.3	114.7
7.5°	87.3	90.2	91.6	89.7	92.2	93.4	91.6	93.4	90.7	88.4	90.5
10°	60.1	63.3	62.7	65.8	66.9	67.6	68.9	67.4	65.4	64.8	63.2
12.5°	46.6	45.9	45.6	46.9	47.7	46.6	47.5	46.5	45.5	43.7	43.7
15°	36.4	35.3	34.7	33.1	32.7	33.0	33.3	33.3	31.4	31.4	32.2
17.5°	27.7	27.4	26.8	25.6	25.0	25.2	25.1	24.6	24.3	24.5	25.5
20°	20.8	20.5	20.9	21.2	20.9	21.0	20.8	20.3	20.1	20.3	20.4
22.5°	16.3	16.8	17.2	17.7	17.8	18.1	18.1	18.1	17.9	17.7	17.2
25°	15.0	15.2	14.9	15.0	15.0	15.5	15.3	15.3	15.0	14.9	15.0
27.5°	13.3	13.1	13.1	13.4	13.4	13.6	13.7	13.6	13.3	13.1	13.3
30°	12.3	12.1	12.0	12.1	12.0	12.1	12.4	12.4	12.1	11.9	11.9
32.5°	11.2	11.2	11.2	11.2	11.2	11.2	11.3	11.0	11.0	11.0	11.0
35°	9.9	10.0	10.2	10.3	10.3	10.3	10.5	10.2	10.2	10.0	10.0
37.5°	8.5	8.7	9.3	9.4	9.5	9.7	9.8	9.6	9.4	9.3	9.2
40°	8.2	8.2	8.4	8.6	8.9	9.1	9.3	8.9	8.8	8.6	8.4
42.5°	7.7	7.8	7.8	7.9	8.1	8.3	8.4	8.3	8.1	7.8	7.6
45°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.4	7.3	7.2	7.2
47.5°	7.4	7.3	7.2	7.2	7.1	7.0	7.0	6.7	6.7	6.7	6.7
50°	7.2	7.1	7.0	6.8	6.6	6.6	6.6	6.6	6.5	6.5	6.6
52.5°	7.0	6.8	6.7	6.6	6.6	6.6	6.6	6.4	6.3	6.3	6.3
55°	6.8	6.7	6.6	6.6	6.5	6.6	6.5	6.4	6.2	6.2	6.2
57.5°	6.6	6.6	6.6	6.5	6.5	6.5	6.5	6.3	6.2	6.0	6.1
59°	6.6	6.6	6.6	6.5	6.4	6.5	6.5	6.2	6.1	6.0	6.0
60°	6.5	6.6	6.5	6.4	6.4	6.5	6.4	6.3	6.1	5.9	6.0
62.5°	6.4	6.4	6.3	6.3	6.2	6.3	6.2	6.0	5.9	5.7	5.6
65°	6.2	6.2	6.1	6.1	6.0	6.0	6.0	5.9	5.7	5.5	5.5
67.5°	6.1	6.0	6.0	6.0	5.9	5.9	5.9	5.7	5.4	5.4	5.3
70°	5.7	5.7	5.7	5.6	5.5	5.6	5.7	5.4	5.2	5.0	4.9
72.5°	5.4	5.4	5.4	5.3	5.3	5.4	5.4	5.2	4.9	4.7	4.6
75°	4.9	4.9	4.9	4.9	4.9	5.0	5.0	4.9	4.5	4.3	4.1
77.5°	4.3	4.3	4.3	4.3	4.3	4.5	4.5	4.3	4.1	4.0	3.8
80°	3.8	3.8	3.8	3.8	3.9	3.9	3.8	3.8	3.6	3.4	3.1
82.5°	3.1	3.1	3.1	3.1	3.1	3.1	2.9	3.1	3.1	2.9	2.5
85°	2.4	2.4	2.4	2.5	2.5	2.2	2.0	2.0	2.2	2.2	2.0
87.5°	1.4	1.4	1.4	1.8	1.5	1.4	1.3	1.3	1.3	1.4	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: P271686
 CATALOG NUMBER: IST-AF-XXX-LED-E1-SLR-7027-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°

'271686
 IST-AF-XXX-LED-E1-SLR-7027-XXB

REPORT NUMBER: P271686
 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°	164.5	164.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	153.9	154.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	124.3	127.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	94.1	97.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	75.4	78.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	66.1	70.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	56.8	60.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	46.5	51.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	35.6	40.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	25.0	29.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	18.1	20.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	16.2	16.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	15.2	15.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	13.7	14.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	11.9	12.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	11.2	11.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	10.6	10.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	10.2	10.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	10.0	10.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	10.2	11.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	11.4	11.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	11.7	10.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	10.6	10.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	9.5	8.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	8.5	8.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	7.9	7.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	7.3	7.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	6.7	7.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	6.6	6.7
										70°	6.1	6.3
										72.5°	5.7	5.7
										75°	5.1	5.2
										77.5°	4.5	4.5
										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: P271686

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLR-7027->

SLR-7027-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°	164.5	164.5	164.5	164.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	176.1	177.9	179.3	180.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	168.2	172.1	177.1	181.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	153.9	159.1	167.2	172.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	140.6	148.1	156.9	164.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	131.4	140.9	149.3	157.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	128.9	138.5	146.1	153.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	133.8	143.5	149.9	154.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	145.7	156.0	160.2	159.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	161.9	172.7	172.7	169.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	183.3	191.1	186.8	180.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	198.4	205.7	198.3	187.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	211.0	216.3	206.9	194.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	222.0	226.0	213.4	201.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	235.3	236.7	220.4	207.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	250.0	251.2	230.2	213.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	267.2	263.0	237.5	219.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	277.8	271.0	242.8	223.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	286.2	276.9	245.2	224.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	296.5	285.5	249.5	228.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	310.2	297.5	260.4	237.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	337.9	322.3	279.8	254.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	369.9	355.1	310.8	281.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	395.6	385.6	338.6	306.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	405.0	400.7	358.2	326.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	408.5	412.2	368.7	339.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	411.1	427.1	402.4	377.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	405.9	429.4	416.1	400.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	384.1	412.2	409.5	396.2
								70°	339.4	370.6	379.6	360.7
								72.5°	255.3	294.1	343.4	313.8
								75°	166.4	202.2	293.3	268.9
								77.5°	104.1	126.2	209.2	188.3
								80°	69.3	81.0	132.8	120.9
								82.5°	52.1	57.5	91.4	85.9
								85°	27.5	35.0	71.1	90.1
								87.5°	10.3	11.5	53.4	80.5
								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: P271686

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLR-7027-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°	164.5	164.5	164.5	164.5	164.5	164.5
0.0	0.0	0.0	0.0	0.0	0.0	2.5°	183.2	181.5	179.8	177.4	178.0	175.0
0.0	0.0	0.0	0.0	0.0	0.0	5°	192.8	190.0	186.3	181.5	177.1	171.4
0.0	0.0	0.0	0.0	0.0	0.0	7.5°	191.8	187.4	181.1	173.9	168.1	159.8
0.0	0.0	0.0	0.0	0.0	0.0	10°	183.2	177.3	172.3	164.7	157.2	149.9
0.0	0.0	0.0	0.0	0.0	0.0	12.5°	171.0	167.8	163.4	157.8	150.4	143.0
0.0	0.0	0.0	0.0	0.0	0.0	15°	157.9	158.2	155.6	154.0	150.4	144.4
0.0	0.0	0.0	0.0	0.0	0.0	17.5°	147.1	149.7	151.1	153.4	153.8	150.9
0.0	0.0	0.0	0.0	0.0	0.0	20°	140.0	143.5	148.0	154.4	161.2	164.1
0.0	0.0	0.0	0.0	0.0	0.0	22.5°	135.9	140.2	147.4	159.1	171.6	179.0
0.0	0.0	0.0	0.0	0.0	0.0	25°	135.1	140.9	150.9	165.3	181.4	191.8
0.0	0.0	0.0	0.0	0.0	0.0	27.5°	136.5	144.0	155.8	172.1	187.9	203.1
0.0	0.0	0.0	0.0	0.0	0.0	30°	140.5	149.3	162.1	179.8	196.2	211.2
0.0	0.0	0.0	0.0	0.0	0.0	32.5°	144.3	155.1	169.4	186.6	203.1	218.1
0.0	0.0	0.0	0.0	0.0	0.0	35°	150.5	161.4	176.1	191.9	207.9	224.8
0.0	0.0	0.0	0.0	0.0	0.0	37.5°	160.0	169.6	181.3	196.0	212.7	230.2
0.0	0.0	0.0	0.0	0.0	0.0	40°	173.5	179.8	187.4	199.1	215.1	233.9
0.0	0.0	0.0	0.0	0.0	0.0	42.5°	193.7	195.0	197.5	203.6	217.1	238.1
0.0	0.0	0.0	0.0	0.0	0.0	45°	219.7	215.8	213.3	212.6	221.8	240.7
0.0	0.0	0.0	0.0	0.0	0.0	47.5°	250.0	242.0	233.0	228.7	230.9	245.0
0.0	0.0	0.0	0.0	0.0	0.0	50°	289.3	276.5	258.7	246.1	245.1	257.5
0.0	0.0	0.0	0.0	0.0	0.0	52.5°	325.5	308.7	286.3	271.5	265.4	281.0
0.0	0.0	0.0	0.0	0.0	0.0	55°	359.5	346.7	321.3	302.9	300.8	312.1
0.0	0.0	0.0	0.0	0.0	0.0	57.5°	389.4	378.4	357.6	333.6	334.3	345.4
0.0	0.0	0.0	0.0	0.0	0.0	59°	405.0	395.6	376.5	352.0	353.8	368.9
0.0	0.0	0.0	0.0	0.0	0.0	60°	410.4	402.7	384.5	363.8	366.1	381.9
0.0	0.0	0.0	0.0	0.0	0.0	62.5°	410.1	405.0	391.8	382.0	394.1	405.6
0.0	0.0	0.0	0.0	0.0	0.0	65°	371.0	363.4	361.7	378.8	401.9	413.0
0.0	0.0	0.0	0.0	0.0	0.0	67.5°	295.0	298.7	313.0	342.3	381.0	397.1
						70°	219.2	225.5	244.6	281.3	334.6	362.4
						72.5°	161.2	167.5	185.1	225.4	275.3	299.9
						75°	126.4	128.4	141.0	172.7	216.9	237.2
						77.5°	116.8	111.0	105.8	122.8	146.3	163.6
						80°	108.8	97.7	85.6	90.7	96.4	114.8
						82.5°	84.5	77.2	67.6	74.2	76.9	77.4
						85°	49.5	43.9	55.8	78.9	78.2	68.5
						87.5°	17.4	22.6	25.5	43.7	52.9	45.7
						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

