

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: P271689

Luminaire Tested: **IST-AF-XXX-LED-E1-T4FT-7027-XXB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271689
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35943)
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-T4FT-7027-XXB
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE, EMERGENCY MODE WITH BATTERY
BACKPACK BOX
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV FORWARD THROW
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 584.8 lumens
Efficiency: N/A
Efficacy: 45.0 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 - G0

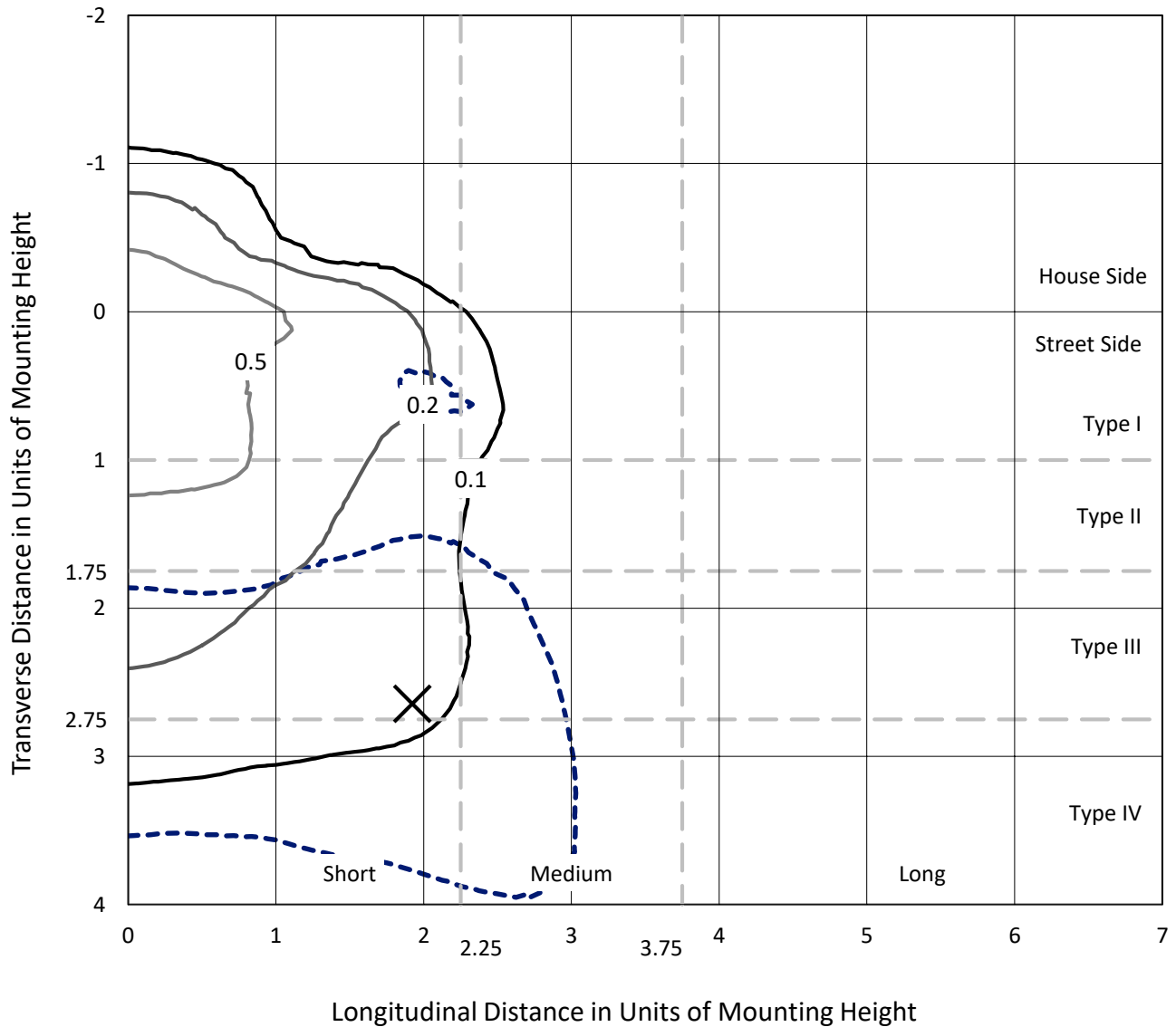
Input Watts (W): 13
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

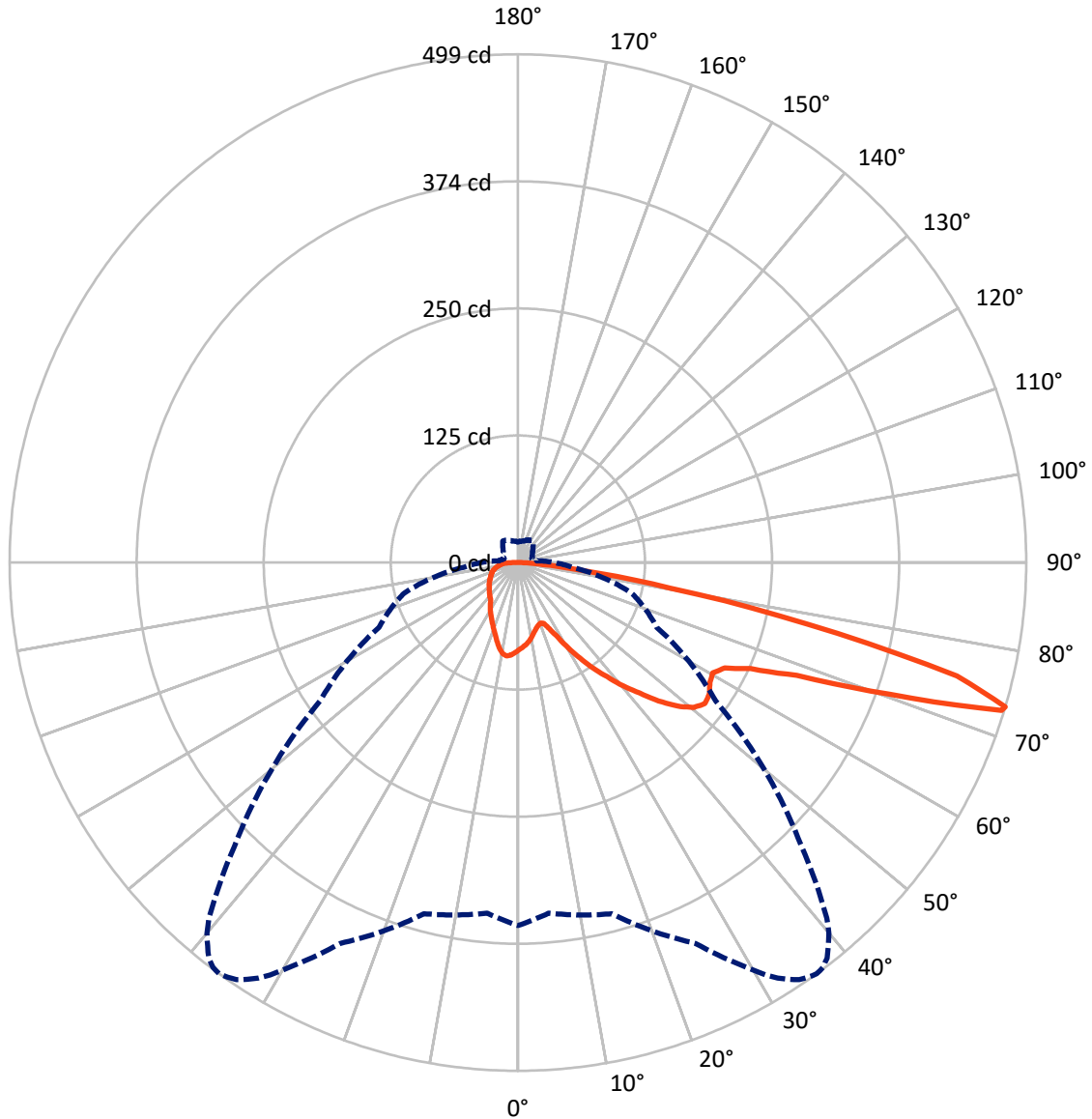
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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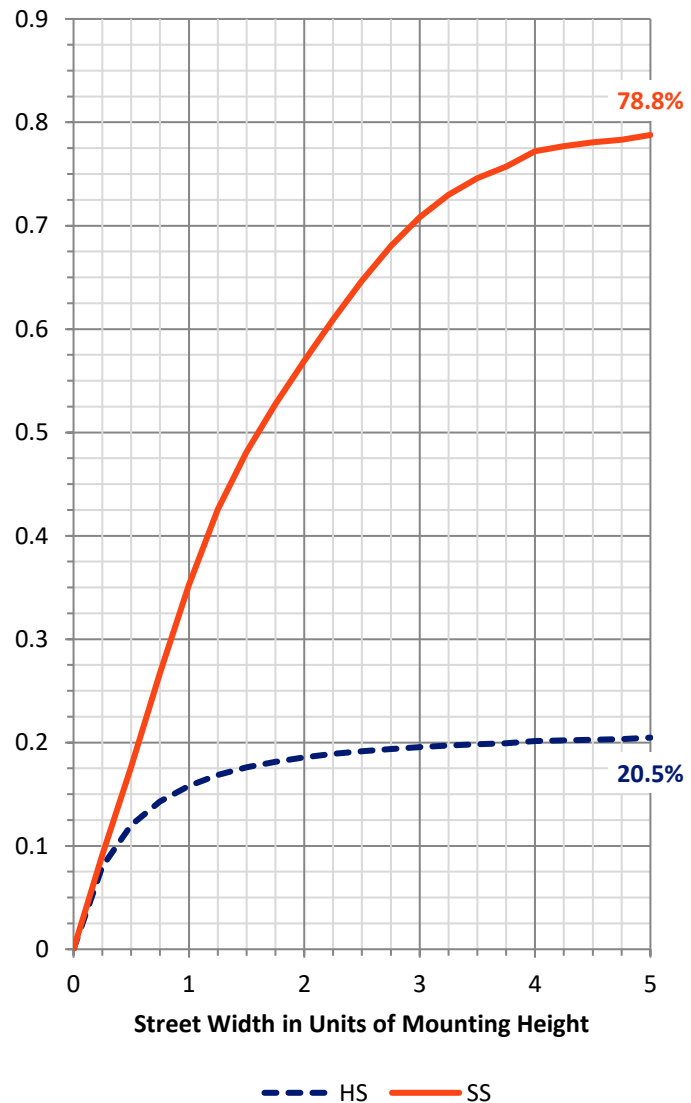
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	123.3	0.1	123.4
	% Fixture	21.1	0.0	21.1
Street Side	Lumens	461.3	0.0	461.4
	% Fixture	78.9	0.0	78.9
Total	Lumens	584.6	0.2	584.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	1.4
10°-20°	21.4	3.7
20°-30°	35.1	6.0
30°-40°	58.2	9.9
40°-50°	85.5	14.6
50°-60°	107.8	18.4
60°-70°	141.2	24.1
70°-80°	114.3	19.5
80°-90°	13.2	2.2
90°-100°	0.2	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°	584.6	100.0
0°-180°	584.8	100.0



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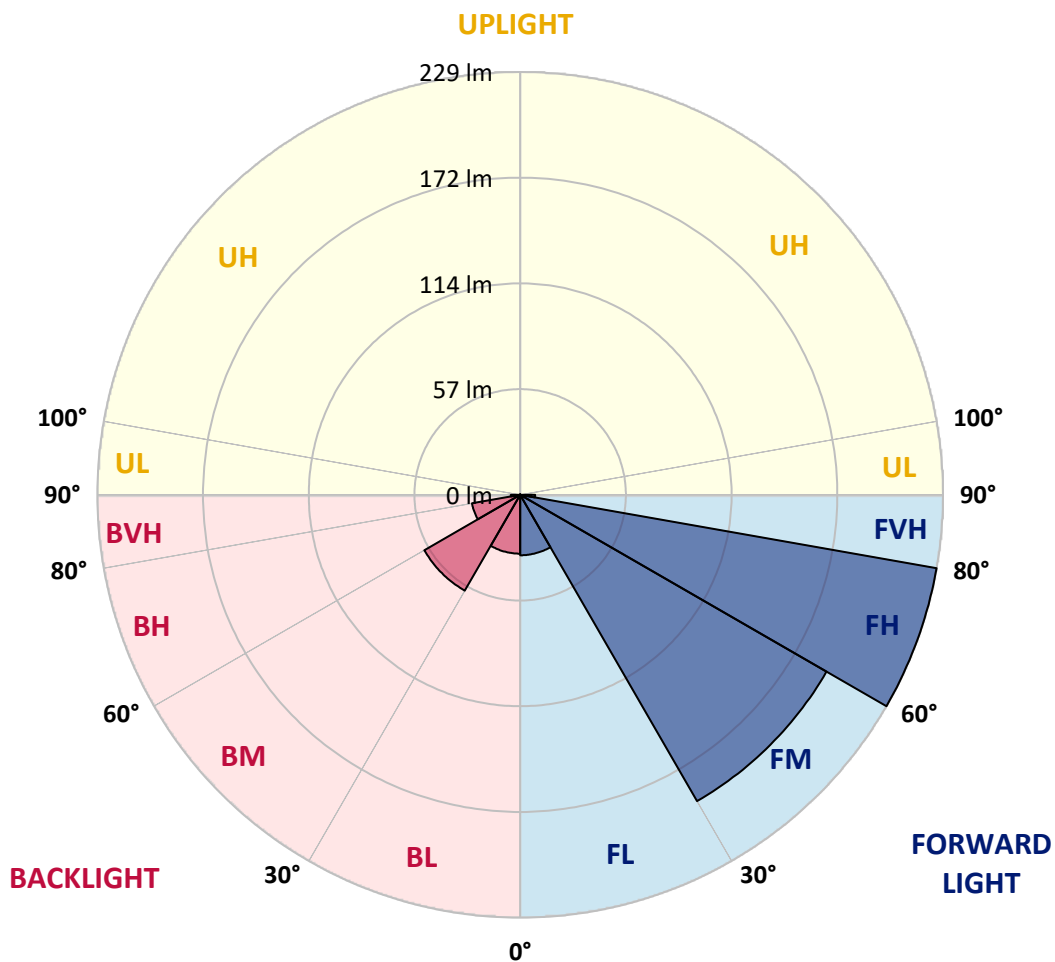
CATALOG NUMBER: IST-AF-XXX-LED-E1-T4FT-7027-XXB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	32.7	5.6			
FM	(30°-60°)	191.5	32.7			
FH	(60°-80°)	229.0	39.2			G0/660
FVH	(80°-90°)	8.1	1.4			G0/10
BL	(0°-30°)	31.9	5.5	B0/110		
BM	(30°-60°)	59.9	10.2	B0/220		
BH	(60°-80°)	26.5	4.5	B0/110		G0/110
BVH	(80°-90°)	5.0	0.9			G0/10
UL	(90°-100°)	0.2	0.0		U1/10	
UH	(100°-180°)	0.1	0.0		U1/10	

BUG Rating: B0-U1-G0

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
0°	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
2.5°	82.7	82.9	83.1	83.1	83.1	83.4	83.4	83.4	83.4	83.5	83.5
5°	79.7	79.8	80.3	80.5	80.9	80.8	80.8	80.8	81.2	80.9	81.0
7.5°	76.2	76.4	76.9	77.4	77.8	78.0	77.8	77.6	78.2	78.2	78.2
10°	72.0	72.0	72.8	73.2	73.9	73.8	74.1	74.1	74.2	74.2	74.5
12.5°	69.9	69.7	69.3	69.6	69.8	69.8	69.8	70.1	70.0	70.2	70.3
15°	69.6	69.2	67.6	66.9	66.7	66.7	66.7	66.7	66.8	67.1	67.1
17.5°	70.8	70.0	66.7	64.9	64.7	64.5	64.6	64.4	64.4	64.8	64.7
20°	76.4	75.0	68.5	64.8	63.8	63.8	63.7	63.4	63.4	63.5	63.5
22.5°	91.0	89.0	77.6	70.1	66.6	66.5	66.1	65.9	65.3	65.0	64.8
25°	111.2	109.0	89.4	81.2	76.3	76.1	74.8	74.6	73.0	73.1	72.0
27.5°	126.9	125.3	105.1	94.2	89.5	88.6	87.9	86.3	85.1	83.9	82.6
30°	132.2	132.1	120.9	112.1	105.1	103.9	102.2	101.7	99.7	98.3	97.3
32.5°	140.7	140.9	136.4	126.6	120.6	119.4	117.9	116.4	115.1	114.1	111.9
35°	152.7	152.8	149.7	142.3	135.4	133.8	132.9	131.2	129.9	128.5	127.5
37.5°	161.2	161.5	159.3	153.7	149.5	147.2	147.1	145.7	144.4	143.3	142.3
40°	177.2	175.0	167.5	163.9	160.4	160.2	159.4	158.7	159.0	158.4	159.4
42.5°	193.5	190.6	180.2	175.1	173.0	173.5	173.2	173.2	174.3	174.0	175.2
45°	207.4	204.2	194.2	188.1	189.8	190.4	191.8	192.7	192.1	193.8	193.8
47.5°	221.3	213.7	201.8	204.7	205.9	209.8	210.7	210.6	211.9	212.6	210.7
50°	211.6	209.5	208.6	217.0	222.3	223.6	224.9	225.7	226.5	225.5	223.7
52.5°	190.8	190.6	203.6	224.3	228.8	230.4	231.8	232.3	232.1	231.7	230.1
55°	183.8	182.4	193.8	216.9	223.6	225.1	227.1	228.2	229.3	229.2	228.1
57.5°	193.2	192.1	192.2	210.1	216.9	218.2	219.5	220.8	221.2	222.2	222.3
60°	220.8	219.4	207.9	209.9	216.6	218.2	218.4	219.1	219.2	219.7	219.8
62.5°	260.4	257.8	240.3	225.3	227.6	228.3	228.9	228.8	228.3	228.0	228.0
65°	303.9	301.4	278.8	261.2	254.5	256.3	253.4	252.9	252.2	252.2	251.3
67.5°	355.4	350.8	333.5	313.6	303.9	304.7	306.1	301.0	299.1	299.2	295.4
70°	408.1	403.2	395.5	395.3	400.3	398.1	391.9	400.0	390.3	388.1	387.2
72.5°	378.9	373.2	374.9	422.1	466.5	473.8	480.6	487.0	492.7	496.1	496.7
73°	356.6	345.7	357.1	412.7	462.0	472.7	481.2	488.0	494.1	497.2	499.2
75°	178.1	178.8	234.9	340.5	403.8	413.0	426.2	433.7	444.8	450.5	445.4
77.5°	41.3	42.8	71.1	161.7	242.0	255.2	265.8	276.7	289.5	294.3	290.2
80°	14.6	15.2	25.1	61.4	101.1	108.2	117.4	129.4	141.2	144.2	151.5
82.5°	7.7	8.4	13.3	26.6	43.2	47.3	49.6	54.4	58.7	61.2	62.5
85°	4.4	4.5	7.5	14.7	19.8	21.4	22.9	24.1	25.4	24.4	24.4
87.5°	1.8	2.0	3.9	7.0	9.5	10.6	10.6	10.6	10.6	9.3	8.4
90°	0.3	0.4	0.8	1.4	1.3	1.3	1.2	1.0	0.9	1.0	0.6
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°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
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):

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
0°	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
2.5°	83.6	83.7	83.5	83.9	83.6	83.6	84.0	84.8	85.4	85.6	86.1
5°	81.3	81.4	81.4	81.5	81.4	81.6	82.3	82.9	84.1	84.7	85.5
7.5°	78.2	78.5	78.4	78.6	78.6	78.7	79.9	81.0	82.1	83.4	84.2
10°	74.6	74.8	75.2	75.0	75.0	75.5	76.7	78.3	79.8	81.4	82.5
12.5°	70.3	70.8	70.8	71.1	71.2	71.5	73.6	75.4	77.2	79.1	80.5
15°	67.0	67.4	67.5	67.6	67.6	68.3	70.3	72.5	74.9	77.1	78.6
17.5°	64.9	64.9	64.9	65.0	65.3	65.8	67.9	70.3	73.0	75.7	77.4
20°	63.6	63.6	63.7	63.8	63.8	64.4	66.4	69.1	72.0	75.5	77.5
22.5°	64.6	64.4	64.3	64.3	63.9	63.9	65.8	68.8	72.4	77.0	79.5
25°	71.4	70.8	69.6	69.3	68.9	66.8	66.7	70.0	74.5	79.9	83.9
27.5°	81.7	81.0	80.3	79.3	78.7	75.0	70.0	73.0	78.3	86.1	91.1
30°	95.3	93.7	92.6	91.6	88.8	84.7	77.0	77.6	84.4	94.8	101.0
32.5°	110.3	108.8	107.1	104.7	103.9	97.5	87.5	85.5	91.9	104.9	111.3
35°	125.0	124.1	123.0	122.1	120.4	114.8	101.1	94.8	100.5	116.7	121.7
37.5°	141.8	140.5	140.6	139.8	138.8	134.2	115.4	106.2	110.0	128.0	131.2
40°	158.6	158.2	158.7	157.5	155.8	149.6	125.9	114.4	119.7	138.9	138.2
42.5°	174.3	174.5	173.9	172.6	170.7	160.3	132.6	121.5	128.5	148.5	143.8
45°	192.2	191.4	188.9	186.4	184.2	169.5	136.3	129.4	137.0	158.8	149.5
47.5°	209.3	205.7	203.6	199.7	195.3	177.9	141.1	137.7	146.3	168.5	155.0
50°	221.8	218.5	215.0	210.2	205.5	185.2	147.5	147.1	157.0	179.4	162.3
52.5°	227.5	224.4	220.9	216.2	211.6	190.4	156.1	156.1	169.6	193.9	172.7
55°	226.6	224.3	221.3	216.9	213.3	193.2	165.1	166.3	185.3	209.3	184.6
57.5°	221.7	220.4	218.6	215.6	212.8	195.5	175.6	176.2	206.5	224.4	195.8
60°	220.1	219.5	218.5	216.9	214.4	200.2	186.7	188.4	230.1	238.1	202.2
62.5°	227.5	226.6	225.7	223.9	221.9	212.0	200.7	201.2	252.3	239.8	196.0
65°	248.4	246.6	245.3	243.0	240.7	229.7	218.5	213.1	263.1	224.1	175.0
67.5°	292.4	289.3	285.8	281.3	274.8	264.9	236.3	214.8	253.3	189.8	138.0
70°	379.2	372.5	364.4	354.8	352.5	323.6	247.2	202.4	210.6	132.6	91.4
72.5°	495.8	488.9	481.6	473.9	458.5	395.1	242.5	163.2	131.0	68.2	43.6
73°	497.8	493.1	484.3	475.1	462.5	393.7	237.2	150.5	115.4	53.7	35.8
75°	446.4	444.5	435.8	418.4	407.7	332.6	174.6	87.2	50.6	33.1	23.2
77.5°	289.6	287.6	282.7	281.0	261.5	215.6	78.2	34.0	27.5	22.1	16.3
80°	154.4	145.0	143.3	136.6	122.3	83.0	26.7	20.8	18.2	14.7	11.5
82.5°	62.6	58.6	57.0	51.7	48.6	25.0	13.5	14.5	12.3	8.7	7.1
85°	23.1	21.2	20.8	16.9	14.8	7.4	8.3	10.2	7.6	4.9	3.5
87.5°	7.9	6.8	6.0	4.6	4.3	3.1	4.5	5.5	4.9	3.0	1.7
90°	0.6	0.4	0.4	0.3	0.4	0.3	0.4	0.8	0.9	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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CATALOG NUMBER: IST-AF-XXX-LED-E1-T4FT-7027-XXB

CANDELA DISTRIBUTION (continued):

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
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: P271689

CATALOG NUMBER: IST-AF-XXX-LED-E1-T4FT-7027-XXB

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
2.5°	86.1	86.6	87.2	87.8	88.1	88.8	88.9	89.2	88.8	89.3
5°	85.9	86.9	88.1	89.3	90.4	91.4	91.8	91.9	92.0	92.3
7.5°	85.1	86.6	88.6	90.2	91.9	92.4	92.6	92.7	92.2	92.4
10°	83.4	85.8	88.3	90.2	91.1	90.7	90.0	88.9	88.4	88.4
12.5°	81.6	84.6	87.6	88.7	87.9	86.2	84.5	82.5	81.7	81.7
15°	79.9	83.9	86.3	85.6	83.5	80.5	78.0	75.9	75.2	74.9
17.5°	79.2	83.6	84.5	82.1	78.5	74.8	72.2	70.4	69.9	69.9
20°	79.9	83.9	82.5	78.2	73.5	70.1	67.9	66.7	66.1	66.4
22.5°	82.7	85.2	80.6	74.1	68.5	65.6	64.5	63.8	63.7	63.9
25°	87.5	86.9	79.1	69.9	63.8	61.6	61.5	61.4	61.3	61.2
27.5°	93.6	89.0	77.1	65.1	59.1	58.1	58.6	58.5	58.4	58.5
30°	101.9	90.8	74.2	60.1	54.7	54.7	55.3	55.2	54.8	54.9
32.5°	109.5	92.2	69.9	54.3	51.1	51.2	51.6	50.8	50.0	50.1
35°	116.0	92.2	64.0	49.2	47.5	47.5	47.7	47.1	46.4	46.2
37.5°	121.5	90.3	56.6	45.5	44.6	44.6	45.3	44.6	43.4	43.2
40°	124.8	86.2	49.9	42.6	43.2	43.3	42.3	41.3	40.2	39.9
42.5°	126.9	80.5	44.5	40.5	42.2	41.5	39.3	37.8	37.7	38.1
45°	128.6	73.8	40.2	38.5	41.2	39.9	36.9	35.3	35.8	36.2
47.5°	130.5	67.2	36.8	36.3	39.3	38.4	35.2	33.6	33.3	33.9
50°	134.8	58.0	32.9	33.6	37.1	36.8	33.9	31.9	30.4	30.3
52.5°	140.8	45.6	29.6	31.2	35.3	35.8	32.2	30.5	28.3	27.8
55°	147.3	35.0	26.7	29.5	33.7	34.6	31.7	28.9	26.6	26.2
57.5°	149.2	27.7	24.2	26.8	31.4	33.2	30.7	27.2	25.4	25.1
60°	142.7	23.0	22.0	24.6	29.1	32.0	29.4	25.8	24.3	24.0
62.5°	122.3	20.3	20.8	23.2	27.5	30.8	28.3	24.8	23.5	23.4
65°	93.4	18.4	19.8	22.1	26.1	29.7	27.5	24.3	23.4	23.2
67.5°	58.7	17.1	18.8	20.8	24.4	28.6	26.9	23.9	23.2	22.9
70°	32.5	15.7	17.4	19.3	23.0	27.5	26.1	23.2	23.1	22.5
72.5°	19.8	14.1	16.0	17.9	21.3	26.1	24.8	22.2	21.4	20.3
73°	18.9	14.0	15.7	17.4	20.9	25.8	24.5	21.9	21.0	20.0
75°	15.2	12.6	14.4	15.9	19.3	24.4	23.2	20.8	19.3	18.7
77.5°	11.2	10.7	12.4	13.9	17.4	22.6	21.1	19.0	17.3	16.9
80°	8.4	8.8	10.5	11.8	15.3	20.8	19.0	16.9	15.9	15.5
82.5°	5.6	6.8	8.4	9.4	13.6	18.8	16.9	14.8	15.5	12.8
85°	3.2	4.9	6.0	7.4	10.9	16.8	14.6	12.7	11.0	10.0
87.5°	2.2	2.7	3.8	5.0	7.8	13.1	11.7	9.9	7.2	7.2
90°	0.3	0.3	0.4	0.6	1.1	5.6	3.9	4.6	0.9	0.8
92.5°	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
97.5°	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
102.5°	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
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P271689

CATALOG NUMBER: IST-AF-XXX-LED-E1-T4FT-7027-XXB

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	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
115°	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
120°	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
125°	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
130°	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
135°	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
140°	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
145°	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
150°	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
155°	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
160°	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
165°	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)