

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: P226599

Luminaire Tested: **IST-AF-XXX-LED-E1-T4FT-7060-XXB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226599
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-7060-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) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 673.1 lumens
Efficiency: N/A
Efficacy: 51.8 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

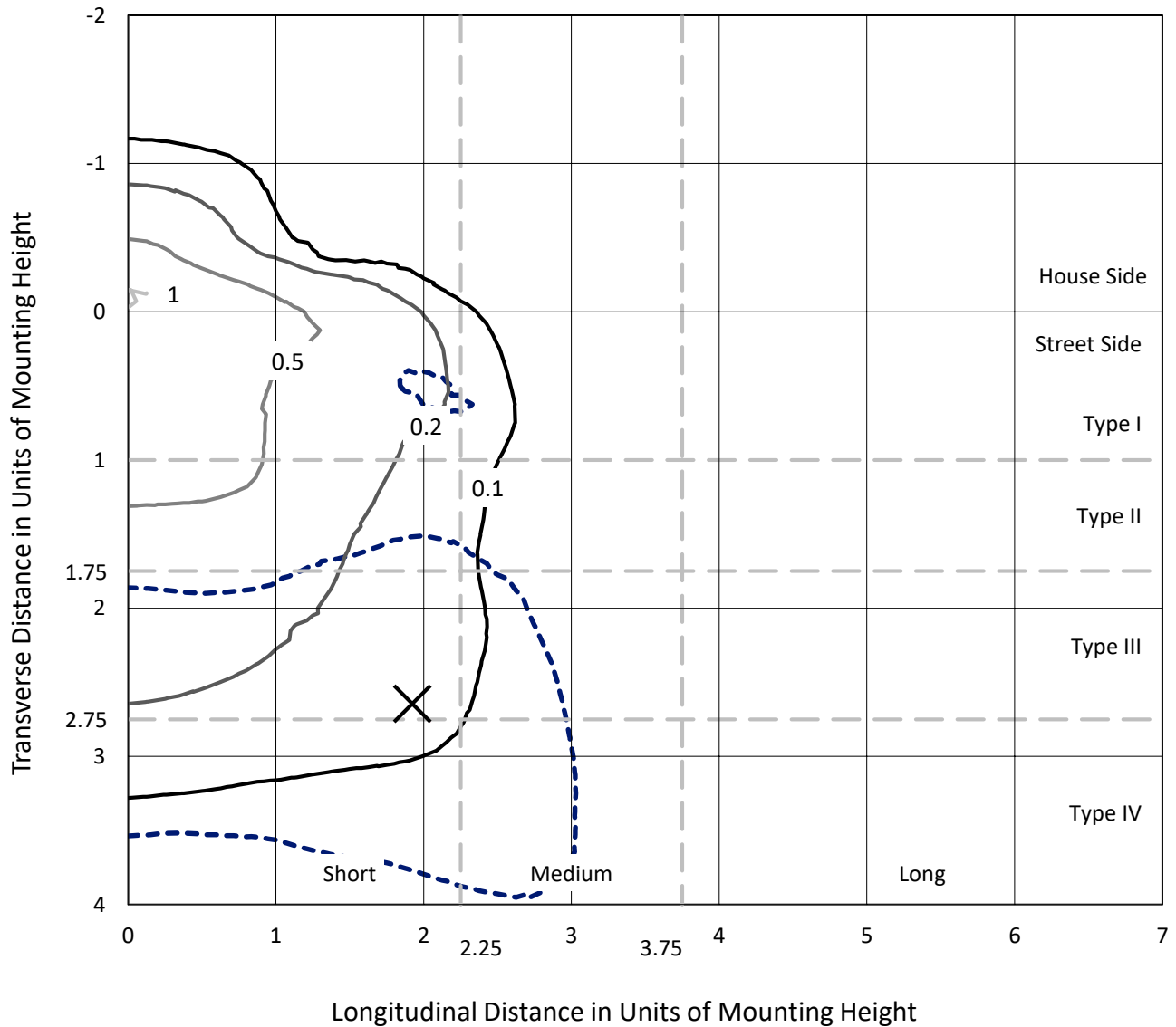
Input Watts (W): 13
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

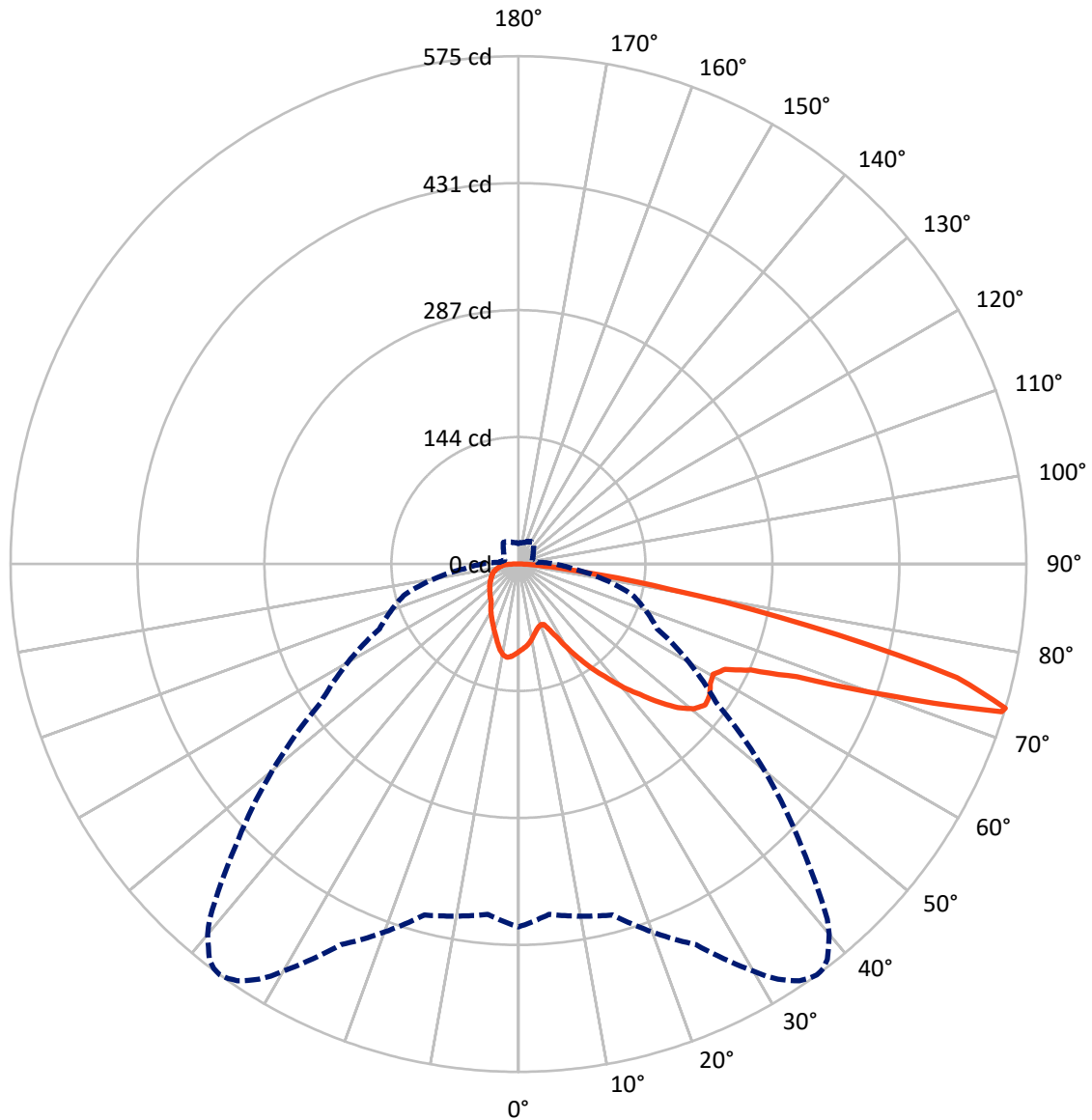
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1 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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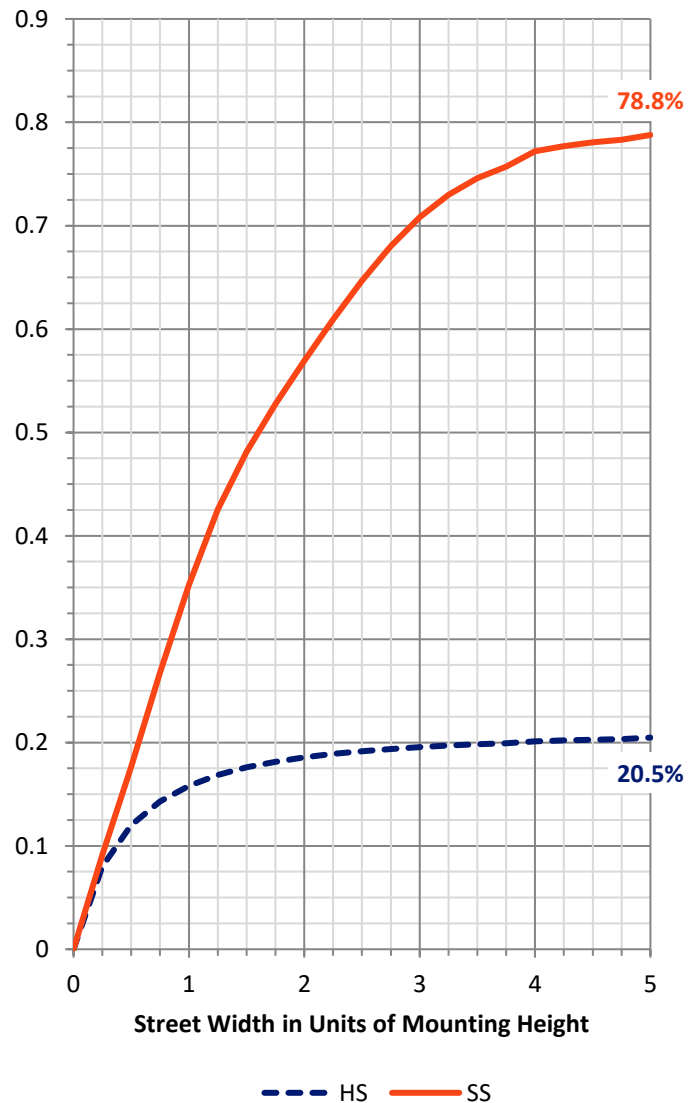
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	141.9	0.2	142.1
	% Fixture	21.1	0.0	21.1
Street Side	Lumens	531.0	0.1	531.0
	% Fixture	78.9	0.0	78.9
Total	Lumens	672.9	0.2	673.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	1.4
10°-20°	24.7	3.7
20°-30°	40.4	6.0
30°-40°	67.0	9.9
40°-50°	98.4	14.6
50°-60°	124.1	18.4
60°-70°	162.5	24.1
70°-80°	131.5	19.5
80°-90°	15.1	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°	672.9	100.0
0°-180°	673.1	100.0

Coefficient of Utilization



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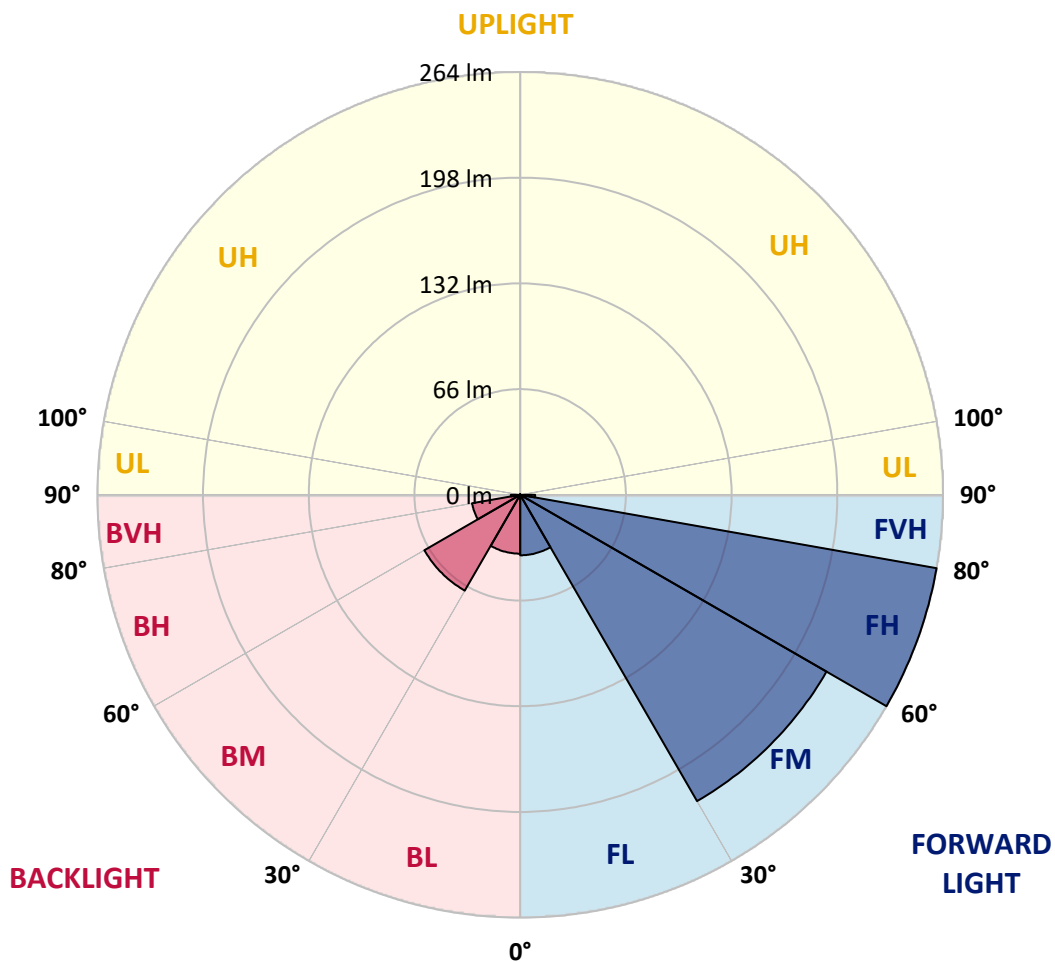
CATALOG NUMBER: IST-AF-XXX-LED-E1-T4FT-7060-XXB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	37.7	5.6			
FM	(30°-60°)	220.4	32.7			
FH	(60°-80°)	263.5	39.2			G0/660
FVH	(80°-90°)	9.3	1.4			G0/10
BL	(0°-30°)	36.7	5.5	B0/110		
BM	(30°-60°)	69.0	10.2	B0/220		
BH	(60°-80°)	30.5	4.5	B0/110		G0/110
BVH	(80°-90°)	5.8	0.9			G0/10
UL	(90°-100°)	0.2	0.0		U1/10	
UH	(100°-180°)	0.2	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°	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2.5°	95.3	95.5	95.7	95.7	95.7	96.0	95.9	95.9	96.0	96.1	96.1
5°	91.7	91.8	92.4	92.6	93.2	93.1	93.1	93.1	93.5	93.2	93.4
7.5°	87.7	87.9	88.4	89.1	89.6	89.7	89.6	89.4	89.9	90.1	89.9
10°	82.8	82.9	83.7	84.3	85.1	85.0	85.3	85.3	85.4	85.4	85.7
12.5°	80.4	80.2	79.9	80.1	80.3	80.3	80.3	80.6	80.5	80.7	81.0
15°	80.1	79.7	77.7	77.1	76.9	76.9	76.8	76.7	77.0	77.3	77.3
17.5°	81.5	80.5	76.8	74.8	74.5	74.3	74.4	74.2	74.2	74.5	74.5
20°	88.1	86.3	78.8	74.5	73.4	73.4	73.3	73.0	73.0	73.1	73.1
22.5°	104.7	102.5	89.4	80.6	76.6	76.5	76.2	75.9	75.1	74.9	74.5
25°	128.0	125.4	102.9	93.5	87.8	87.6	86.1	85.9	84.1	84.2	82.9
27.5°	146.0	144.3	120.9	108.4	103.0	101.8	101.2	99.4	97.9	96.6	95.1
30°	152.2	151.9	139.2	129.0	120.9	119.6	117.8	117.0	114.8	113.0	112.0
32.5°	161.9	162.2	156.9	145.7	138.7	137.3	135.8	134.0	132.4	131.3	128.8
35°	175.8	175.9	172.2	163.9	155.8	153.9	153.1	150.9	149.5	148.0	146.8
37.5°	185.5	185.9	183.3	176.9	172.1	169.4	169.4	167.8	166.2	164.9	163.8
40°	204.0	201.4	192.8	188.6	184.7	184.4	183.5	182.7	183.0	182.4	183.6
42.5°	222.7	219.4	207.4	201.6	199.2	199.6	199.3	199.4	200.6	200.3	201.7
45°	238.7	234.9	223.6	216.6	218.5	219.1	220.8	221.7	221.2	223.0	223.0
47.5°	254.7	245.9	232.4	235.6	237.0	241.4	242.6	242.3	243.9	244.7	242.6
50°	243.4	241.1	240.0	249.8	255.9	257.3	258.9	259.8	260.6	259.5	257.4
52.5°	219.6	219.4	234.4	258.2	263.3	265.2	266.8	267.4	267.1	266.6	264.8
55°	211.6	210.1	223.0	249.5	257.3	259.1	261.4	262.7	264.1	263.9	262.5
57.5°	222.5	221.2	221.3	241.9	249.5	251.1	252.6	254.1	254.5	255.8	255.9
60°	254.1	252.5	239.3	241.6	249.3	251.1	251.3	252.2	252.3	253.0	253.1
62.5°	299.7	296.8	276.6	259.2	261.9	262.8	263.5	263.3	262.9	262.4	262.4
65°	349.7	346.9	321.0	300.7	292.9	295.0	291.6	291.0	290.2	290.2	289.3
67.5°	409.1	403.8	383.7	361.0	349.7	350.8	352.3	346.4	344.3	344.5	340.0
70°	469.7	464.1	455.3	455.0	460.7	458.2	451.1	460.5	449.3	446.6	445.7
72.5°	436.2	429.6	431.4	485.9	537.0	545.3	553.2	560.5	567.1	571.0	571.6
73°	410.6	397.9	411.0	475.1	531.8	544.0	553.9	561.7	568.7	572.3	574.5
75°	205.0	205.7	270.3	391.9	464.8	475.3	490.6	499.2	511.9	518.5	512.7
77.5°	47.5	49.3	81.9	186.0	278.6	293.7	305.9	318.5	333.2	338.7	333.9
80°	16.8	17.6	28.8	70.7	116.3	124.6	135.1	148.9	162.6	166.0	174.5
82.5°	8.9	9.7	15.2	30.7	49.7	54.3	57.0	62.7	67.5	70.4	71.9
85°	5.1	5.2	8.7	17.0	22.8	24.6	26.3	27.7	29.2	28.2	28.2
87.5°	2.0	2.2	4.4	8.0	11.0	12.2	12.2	12.2	12.2	10.7	9.7
90°	0.4	0.6	0.9	1.6	1.4	1.4	1.4	1.2	1.1	1.2	0.7
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-7060-XXB

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°	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2.5°	96.2	96.3	96.2	96.5	96.2	96.2	96.7	97.6	98.3	98.5	99.0
5°	93.5	93.6	93.6	93.7	93.6	93.8	94.7	95.5	96.8	97.5	98.4
7.5°	90.1	90.4	90.3	90.5	90.5	90.7	92.0	93.3	94.6	95.9	96.9
10°	85.9	86.1	86.5	86.3	86.3	86.9	88.3	90.2	91.8	93.6	94.9
12.5°	81.0	81.5	81.4	81.8	82.0	82.4	84.8	86.8	88.8	90.9	92.6
15°	77.2	77.4	77.6	77.7	77.7	78.6	81.0	83.5	86.2	88.7	90.5
17.5°	74.6	74.6	74.8	74.9	75.1	75.7	78.2	81.0	84.1	87.2	89.1
20°	73.2	73.2	73.3	73.4	73.4	74.1	76.4	79.6	82.9	86.9	89.2
22.5°	74.4	74.1	74.0	74.0	73.6	73.6	75.8	79.2	83.4	88.5	91.5
25°	82.3	81.4	80.0	79.8	79.3	77.0	76.7	80.5	85.7	92.1	96.6
27.5°	94.1	93.3	92.4	91.3	90.6	86.3	80.5	84.0	90.2	99.2	104.8
30°	109.7	107.9	106.7	105.5	102.1	97.5	88.5	89.4	97.0	109.2	116.2
32.5°	127.0	125.2	123.3	120.6	119.7	112.2	100.7	98.4	105.7	120.7	128.1
35°	143.8	142.9	141.6	140.5	138.5	132.2	116.5	109.2	115.7	134.3	140.0
37.5°	163.3	161.6	161.7	160.9	159.7	154.4	132.9	122.2	126.5	147.4	150.9
40°	182.5	182.1	182.7	181.2	179.3	172.1	145.0	131.7	137.8	159.9	159.0
42.5°	200.6	200.9	200.2	198.6	196.5	184.5	152.7	139.8	147.9	170.9	165.5
45°	221.3	220.3	217.5	214.6	212.0	195.1	156.8	148.9	157.7	182.8	172.1
47.5°	240.9	236.8	234.4	229.9	224.8	204.7	162.4	158.5	168.5	193.9	178.3
50°	255.3	251.4	247.4	242.0	236.6	213.1	169.8	169.3	180.7	206.5	186.9
52.5°	261.8	258.3	254.3	248.8	243.4	219.2	179.8	179.8	195.2	223.1	198.8
55°	260.8	258.2	254.7	249.7	245.5	222.5	190.0	191.3	213.3	241.0	212.5
57.5°	255.2	253.7	251.7	248.2	244.9	225.0	202.0	202.9	237.6	258.3	225.4
60°	253.3	252.7	251.5	249.5	246.9	230.5	214.9	216.8	264.8	274.1	232.7
62.5°	261.8	260.7	259.8	257.8	255.4	244.0	231.0	231.6	290.4	276.0	225.6
65°	286.0	283.8	282.4	279.7	277.0	264.3	251.5	245.3	302.9	258.0	201.4
67.5°	336.5	333.0	328.9	323.8	316.3	304.9	271.9	247.2	291.5	218.5	158.8
70°	436.4	428.9	419.3	408.4	405.6	372.5	284.6	232.9	242.4	152.7	105.3
72.5°	570.6	562.8	554.3	545.4	527.6	454.7	279.0	187.9	150.7	78.5	50.1
73°	572.9	567.6	557.3	546.9	532.5	453.3	272.9	173.2	132.9	61.8	41.1
75°	513.7	511.6	501.6	481.5	469.3	382.9	201.0	100.4	58.2	38.2	26.7
77.5°	333.4	331.1	325.4	323.5	300.9	248.2	90.0	39.1	31.6	25.4	18.9
80°	177.6	166.8	164.9	157.2	140.7	95.6	30.8	23.9	21.0	17.0	13.2
82.5°	72.0	67.4	65.7	59.5	55.9	28.6	15.4	16.6	14.1	10.0	8.1
85°	26.5	24.4	23.8	19.4	17.1	8.5	9.5	11.7	8.8	5.6	4.1
87.5°	9.2	7.9	6.8	5.3	4.9	3.5	5.2	6.4	5.6	3.4	1.9
90°	0.7	0.6	0.5	0.4	0.5	0.4	0.6	0.9	1.0	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



REPORT NUMBER: P226599

CATALOG NUMBER: IST-AF-XXX-LED-E1-T4FT-7060-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: P226599

CATALOG NUMBER: IST-AF-XXX-LED-E1-T4FT-7060-XXB

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2.5°	99.2	99.6	100.4	101.0	101.5	102.1	102.3	102.7	102.2	102.8
5°	98.9	100.0	101.5	102.8	104.1	105.1	105.6	105.7	105.8	106.2
7.5°	97.9	99.6	101.9	103.8	105.7	106.4	106.7	106.8	106.1	106.4
10°	96.0	98.8	101.6	103.9	104.8	104.4	103.6	102.3	101.7	101.7
12.5°	93.8	97.4	100.8	102.0	101.2	99.3	97.2	94.9	94.0	94.0
15°	92.1	96.6	99.4	98.6	96.1	92.6	89.7	87.3	86.5	86.2
17.5°	91.1	96.2	97.3	94.6	90.4	86.0	83.1	81.1	80.4	80.4
20°	91.9	96.6	94.9	89.9	84.6	80.6	78.1	76.8	76.1	76.4
22.5°	95.2	98.1	92.8	85.3	78.8	75.4	74.3	73.4	73.3	73.5
25°	100.7	100.0	90.9	80.4	73.4	71.0	70.9	70.6	70.5	70.4
27.5°	107.8	102.4	88.7	75.0	68.0	66.8	67.4	67.3	67.2	67.3
30°	117.3	104.5	85.4	69.1	62.9	62.9	63.7	63.5	63.1	63.2
32.5°	126.0	106.1	80.4	62.6	58.8	59.0	59.3	58.5	57.6	57.8
35°	133.6	106.1	73.7	56.7	54.7	54.7	54.9	54.2	53.4	53.1
37.5°	139.8	104.0	65.2	52.3	51.3	51.3	52.1	51.4	50.0	49.7
40°	143.6	99.3	57.4	49.0	49.7	49.8	48.7	47.5	46.2	45.9
42.5°	146.0	92.6	51.2	46.7	48.6	47.8	45.3	43.5	43.4	43.8
45°	148.1	85.0	46.3	44.4	47.4	45.8	42.4	40.7	41.3	41.7
47.5°	150.3	77.3	42.3	41.8	45.3	44.2	40.6	38.7	38.4	39.0
50°	155.3	66.7	37.8	38.7	42.7	42.3	39.0	36.7	34.9	34.8
52.5°	162.0	52.6	33.9	36.0	40.7	41.3	37.1	35.0	32.5	32.1
55°	169.5	40.3	30.8	33.9	38.8	39.7	36.5	33.3	30.6	30.2
57.5°	171.8	31.8	27.8	30.9	36.2	38.3	35.4	31.2	29.2	28.8
60°	164.1	26.4	25.3	28.4	33.6	36.8	33.8	29.7	27.9	27.6
62.5°	140.9	23.3	23.9	26.7	31.6	35.5	32.5	28.5	27.1	26.9
65°	107.5	21.2	22.8	25.4	29.9	34.2	31.6	28.1	26.9	26.7
67.5°	67.5	19.7	21.6	23.9	28.2	32.9	31.0	27.5	26.6	26.3
70°	37.4	18.0	20.1	22.3	26.4	31.6	30.1	26.6	26.5	25.9
72.5°	22.8	16.3	18.4	20.5	24.5	30.1	28.5	25.6	24.6	23.4
73°	21.7	16.1	18.0	20.2	24.0	29.7	28.3	25.2	24.2	23.0
75°	17.6	14.5	16.5	18.3	22.3	28.2	26.6	23.8	22.3	21.4
77.5°	12.9	12.3	14.3	16.0	20.1	26.0	24.3	21.8	20.0	19.5
80°	9.5	10.2	12.1	13.6	17.6	23.9	21.9	19.5	18.3	17.7
82.5°	6.5	7.9	9.6	10.9	15.6	21.6	19.4	17.1	17.8	14.9
85°	3.8	5.5	6.9	8.5	12.5	19.3	16.9	14.6	12.7	11.5
87.5°	2.5	3.1	4.2	5.8	9.1	15.1	13.4	11.4	8.3	8.3
90°	0.3	0.4	0.6	0.7	1.3	6.5	4.4	5.3	1.0	0.9
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: P226599

CATALOG NUMBER: IST-AF-XXX-LED-E1-T4FT-7060-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)