

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: P226585

Luminaire Tested: **IST-AF-XXX-LED-E1-T4FT-8030-XXB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226585
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-8030-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) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 549.2 lumens
Efficiency: N/A
Efficacy: 42.2 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

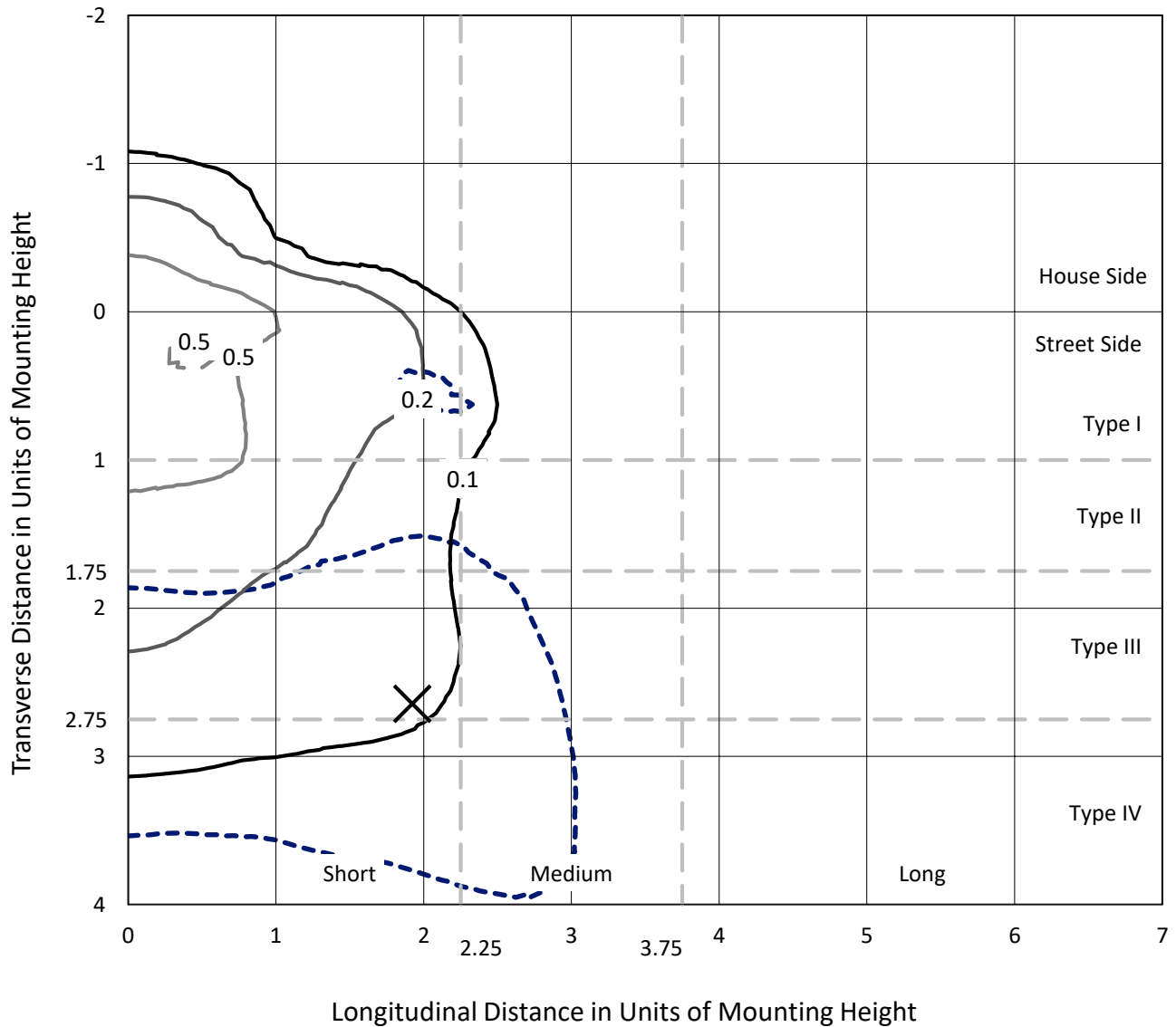
Input Watts (W): 13
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

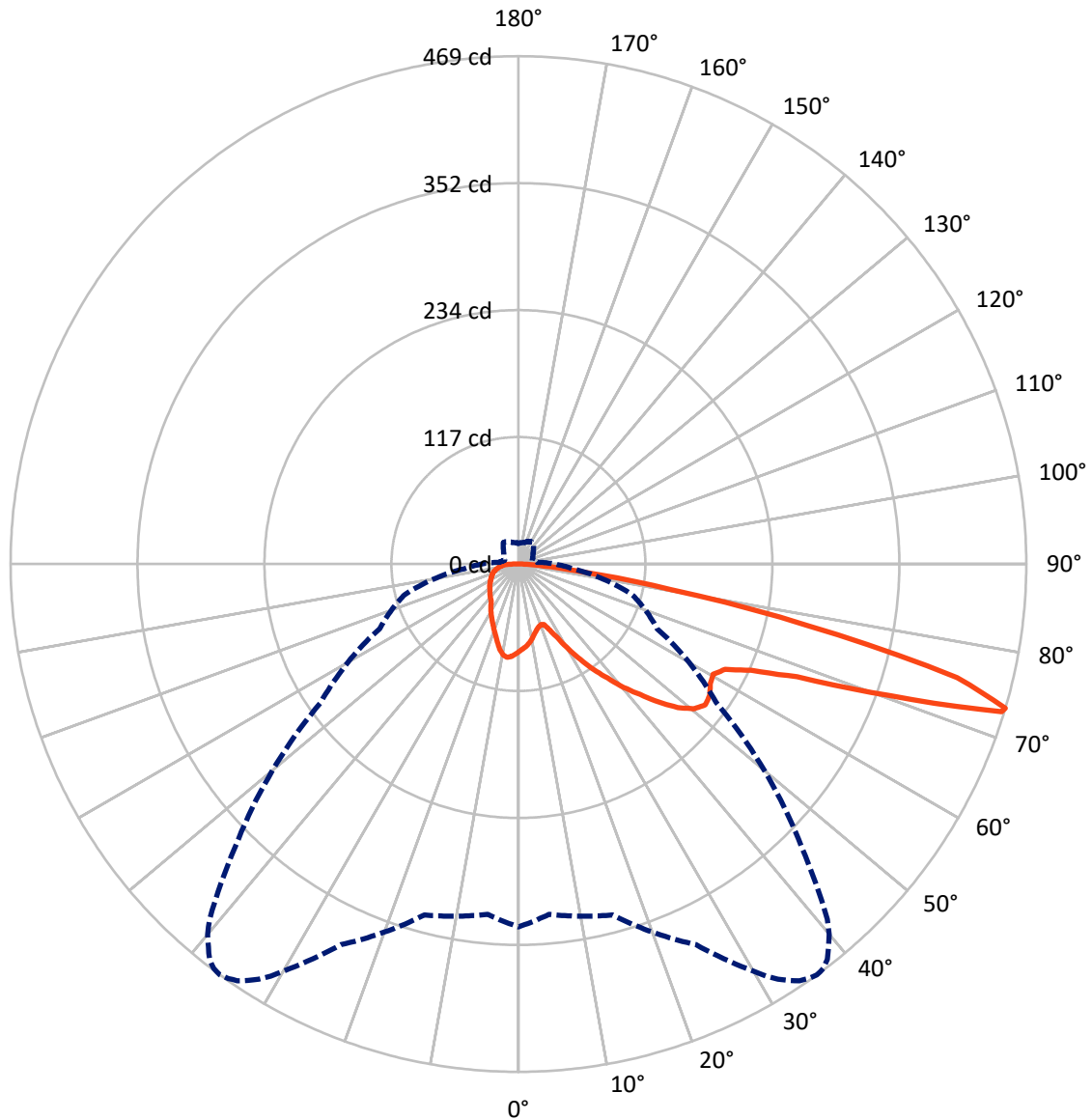
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 0.8 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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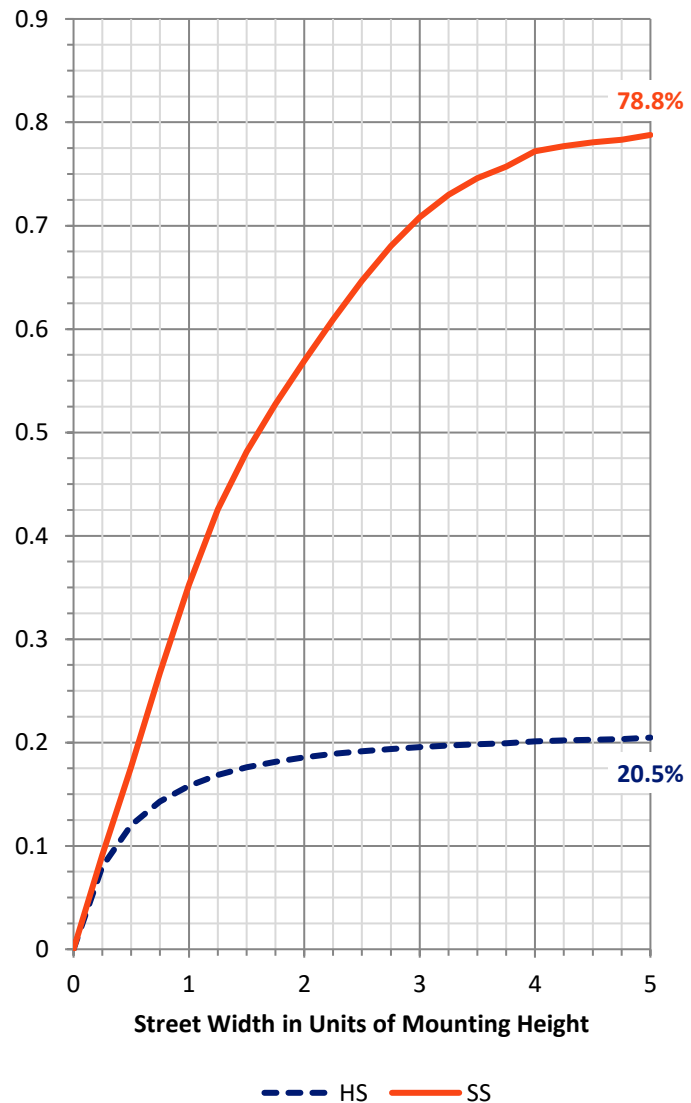
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	115.8	0.1	115.9
	% Fixture	21.1	0.0	21.1
Street Side	Lumens	433.3	0.0	433.3
	% Fixture	78.9	0.0	78.9
Total	Lumens	549.1	0.2	549.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	1.4
10°-20°	20.1	3.7
20°-30°	33.0	6.0
30°-40°	54.6	9.9
40°-50°	80.3	14.6
50°-60°	101.2	18.4
60°-70°	132.6	24.1
70°-80°	107.3	19.5
80°-90°	12.3	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°	549.1	100.0
0°-180°	549.2	100.0



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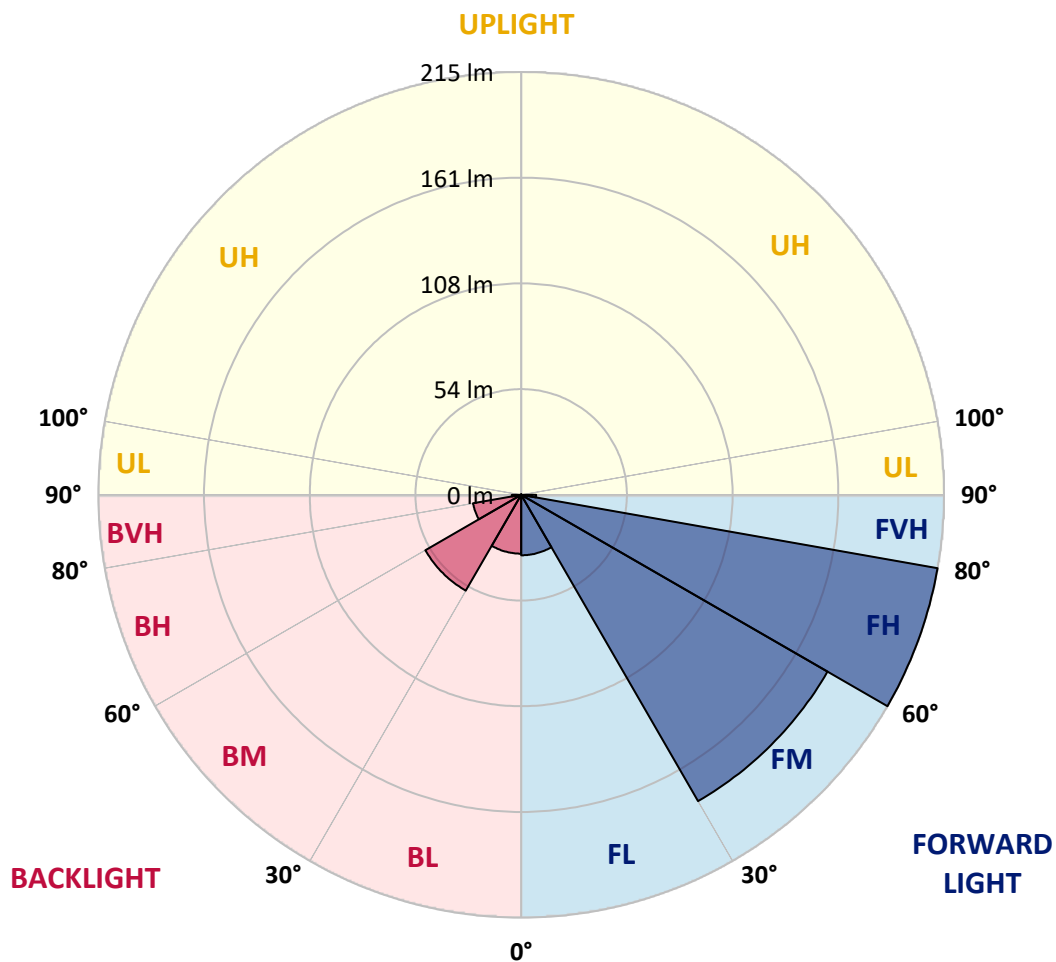
CATALOG NUMBER: IST-AF-XXX-LED-E1-T4FT-8030-XXB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	30.7	5.6			
FM	(30°-60°)	179.9	32.7			
FH	(60°-80°)	215.0	39.2			G0/660
FVH	(80°-90°)	7.6	1.4			G0/10
BL	(0°-30°)	29.9	5.5	B0/110		
BM	(30°-60°)	56.3	10.2	B0/220		
BH	(60°-80°)	24.8	4.5	B0/110		G0/110
BVH	(80°-90°)	4.7	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°	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
2.5°	77.8	77.9	78.1	78.1	78.1	78.3	78.2	78.2	78.3	78.4	78.4
5°	74.8	74.9	75.4	75.5	76.0	75.9	75.9	75.9	76.3	76.0	76.2
7.5°	71.5	71.7	72.2	72.7	73.1	73.2	73.1	73.0	73.3	73.5	73.3
10°	67.6	67.7	68.3	68.8	69.4	69.3	69.6	69.6	69.7	69.6	70.0
12.5°	65.6	65.5	65.2	65.4	65.6	65.6	65.6	65.8	65.7	65.9	66.1
15°	65.4	65.0	63.4	62.9	62.7	62.7	62.6	62.6	62.8	63.0	63.0
17.5°	66.5	65.7	62.6	61.1	60.8	60.6	60.7	60.5	60.5	60.8	60.8
20°	71.9	70.4	64.3	60.8	59.9	59.9	59.8	59.6	59.6	59.7	59.7
22.5°	85.5	83.7	73.0	65.8	62.5	62.4	62.2	61.9	61.3	61.1	60.8
25°	104.4	102.3	84.0	76.3	71.6	71.5	70.3	70.1	68.6	68.7	67.7
27.5°	119.1	117.7	98.7	88.5	84.0	83.1	82.6	81.1	79.9	78.9	77.6
30°	124.2	123.9	113.6	105.3	98.7	97.6	96.1	95.5	93.6	92.2	91.4
32.5°	132.1	132.4	128.0	118.9	113.2	112.1	110.8	109.3	108.1	107.1	105.1
35°	143.5	143.5	140.6	133.7	127.1	125.6	124.9	123.2	122.0	120.8	119.8
37.5°	151.3	151.7	149.6	144.3	140.4	138.3	138.2	136.9	135.6	134.6	133.6
40°	166.4	164.3	157.3	153.9	150.7	150.5	149.8	149.1	149.4	148.8	149.8
42.5°	181.7	179.0	169.3	164.5	162.5	162.9	162.7	162.7	163.7	163.5	164.6
45°	194.8	191.7	182.4	176.8	178.3	178.8	180.1	180.9	180.5	181.9	181.9
47.5°	207.8	200.7	189.7	192.3	193.4	197.0	197.9	197.7	199.0	199.7	197.9
50°	198.6	196.7	195.9	203.8	208.8	210.0	211.3	212.0	212.6	211.8	210.0
52.5°	179.2	179.0	191.2	210.7	214.8	216.4	217.7	218.2	218.0	217.5	216.1
55°	172.7	171.4	181.9	203.6	210.0	211.5	213.3	214.4	215.5	215.3	214.2
57.5°	181.6	180.5	180.6	197.4	203.6	204.9	206.1	207.4	207.7	208.7	208.8
60°	207.4	206.0	195.2	197.1	203.4	204.9	205.1	205.8	205.9	206.4	206.5
62.5°	244.6	242.1	225.7	211.5	213.7	214.4	215.0	214.8	214.5	214.1	214.1
65°	285.4	283.1	261.9	245.4	239.0	240.7	238.0	237.4	236.8	236.8	236.1
67.5°	333.8	329.5	313.1	294.6	285.4	286.2	287.5	282.7	280.9	281.1	277.4
70°	383.3	378.7	371.5	371.3	375.9	373.9	368.1	375.8	366.6	364.4	363.7
72.5°	355.9	350.5	352.0	396.5	438.2	445.0	451.4	457.4	462.7	466.0	466.4
73°	335.0	324.7	335.4	387.7	433.9	443.9	452.0	458.3	464.1	467.0	468.8
75°	167.3	167.9	220.6	319.8	379.2	387.8	400.3	407.3	417.7	423.1	418.4
77.5°	38.8	40.2	66.8	151.8	227.4	239.6	249.6	259.9	271.9	276.4	272.4
80°	13.7	14.3	23.5	57.7	94.9	101.7	110.3	121.5	132.7	135.4	142.4
82.5°	7.2	7.9	12.4	25.0	40.5	44.3	46.5	51.2	55.1	57.4	58.7
85°	4.2	4.2	7.1	13.9	18.6	20.1	21.5	22.6	23.8	23.0	23.0
87.5°	1.7	1.8	3.6	6.5	9.0	10.0	10.0	10.0	9.9	8.7	7.9
90°	0.3	0.5	0.7	1.3	1.2	1.2	1.1	0.9	0.9	0.9	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°	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
2.5°	78.5	78.6	78.5	78.8	78.5	78.5	78.9	79.6	80.2	80.3	80.8
5°	76.3	76.4	76.4	76.5	76.4	76.6	77.3	77.9	79.0	79.6	80.3
7.5°	73.5	73.7	73.7	73.8	73.8	74.0	75.1	76.1	77.2	78.2	79.1
10°	70.1	70.3	70.6	70.4	70.4	70.9	72.1	73.6	74.9	76.4	77.4
12.5°	66.1	66.5	66.4	66.7	66.9	67.2	69.2	70.8	72.5	74.2	75.5
15°	63.0	63.2	63.4	63.4	63.4	64.1	66.1	68.2	70.4	72.4	73.8
17.5°	60.9	60.9	61.1	61.1	61.3	61.8	63.8	66.1	68.6	71.1	72.7
20°	59.7	59.7	59.8	59.9	59.9	60.4	62.3	64.9	67.7	70.9	72.8
22.5°	60.7	60.4	60.4	60.4	60.0	60.0	61.9	64.6	68.1	72.2	74.7
25°	67.1	66.4	65.3	65.1	64.7	62.8	62.6	65.7	70.0	75.2	78.9
27.5°	76.8	76.1	75.4	74.5	73.9	70.4	65.7	68.5	73.6	81.0	85.5
30°	89.5	88.1	87.0	86.1	83.3	79.6	72.2	73.0	79.2	89.1	94.8
32.5°	103.6	102.1	100.6	98.4	97.7	91.5	82.2	80.3	86.3	98.5	104.5
35°	117.3	116.6	115.5	114.7	113.0	107.9	95.1	89.1	94.4	109.6	114.3
37.5°	133.2	131.9	132.0	131.3	130.3	126.0	108.4	99.7	103.3	120.2	123.2
40°	148.9	148.6	149.1	147.9	146.3	140.5	118.3	107.5	112.5	130.5	129.8
42.5°	163.7	163.9	163.4	162.0	160.3	150.5	124.6	114.1	120.7	139.5	135.0
45°	180.6	179.7	177.5	175.1	173.0	159.2	128.0	121.5	128.7	149.1	140.4
47.5°	196.6	193.2	191.2	187.6	183.4	167.1	132.5	129.3	137.5	158.3	145.5
50°	208.3	205.2	201.9	197.5	193.0	173.9	138.6	138.1	147.5	168.5	152.5
52.5°	213.7	210.7	207.5	203.0	198.6	178.9	146.7	146.7	159.3	182.0	162.2
55°	212.8	210.7	207.8	203.7	200.4	181.6	155.0	156.1	174.1	196.7	173.4
57.5°	208.2	207.1	205.4	202.6	199.8	183.6	164.9	165.6	193.9	210.7	183.9
60°	206.7	206.2	205.2	203.6	201.5	188.1	175.3	176.9	216.1	223.7	189.9
62.5°	213.7	212.7	212.0	210.4	208.4	199.1	188.5	189.0	237.0	225.2	184.1
65°	233.3	231.6	230.4	228.2	226.0	215.7	205.2	200.1	247.2	210.5	164.3
67.5°	274.6	271.7	268.4	264.2	258.1	248.8	221.8	201.7	237.9	178.3	129.6
70°	356.1	350.0	342.2	333.3	331.0	303.9	232.2	190.1	197.8	124.6	85.9
72.5°	465.6	459.3	452.3	445.0	430.5	371.1	227.7	153.3	123.0	64.1	40.9
73°	467.5	463.1	454.8	446.3	434.5	369.9	222.7	141.3	108.4	50.4	33.5
75°	419.2	417.5	409.3	392.9	382.9	312.4	164.0	81.9	47.5	31.2	21.8
77.5°	272.1	270.2	265.5	263.9	245.5	202.6	73.4	31.9	25.8	20.7	15.4
80°	145.0	136.1	134.6	128.3	114.8	78.0	25.1	19.5	17.2	13.9	10.8
82.5°	58.8	55.0	53.6	48.6	45.6	23.4	12.6	13.5	11.5	8.2	6.6
85°	21.6	19.9	19.4	15.8	13.9	6.9	7.7	9.5	7.2	4.6	3.3
87.5°	7.5	6.5	5.6	4.3	4.0	2.8	4.2	5.2	4.6	2.8	1.6
90°	0.6	0.5	0.4	0.3	0.4	0.3	0.5	0.7	0.8	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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CATALOG NUMBER: IST-AF-XXX-LED-E1-T4FT-8030-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: P226585

CATALOG NUMBER: IST-AF-XXX-LED-E1-T4FT-8030-XXB

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
2.5°	81.0	81.3	81.9	82.4	82.8	83.3	83.5	83.8	83.4	83.9
5°	80.7	81.6	82.8	83.9	84.9	85.8	86.2	86.3	86.3	86.6
7.5°	79.9	81.3	83.2	84.7	86.3	86.8	87.0	87.1	86.6	86.8
10°	78.3	80.6	82.9	84.8	85.5	85.1	84.5	83.5	83.0	83.0
12.5°	76.6	79.5	82.2	83.3	82.6	81.1	79.3	77.4	76.7	76.7
15°	75.2	78.9	81.1	80.4	78.4	75.5	73.2	71.2	70.6	70.4
17.5°	74.4	78.5	79.4	77.2	73.7	70.2	67.8	66.2	65.6	65.6
20°	75.0	78.9	77.4	73.3	69.0	65.8	63.7	62.6	62.1	62.3
22.5°	77.7	80.0	75.7	69.6	64.3	61.5	60.6	59.9	59.8	60.0
25°	82.2	81.6	74.2	65.6	59.9	57.9	57.8	57.6	57.5	57.4
27.5°	88.0	83.6	72.4	61.2	55.5	54.5	55.0	54.9	54.9	54.9
30°	95.7	85.3	69.7	56.4	51.3	51.3	52.0	51.8	51.5	51.5
32.5°	102.9	86.6	65.6	51.1	48.0	48.2	48.4	47.8	47.0	47.1
35°	109.0	86.6	60.1	46.3	44.6	44.6	44.8	44.2	43.6	43.4
37.5°	114.1	84.8	53.2	42.7	41.9	41.9	42.5	41.9	40.8	40.5
40°	117.2	81.1	46.8	40.0	40.5	40.6	39.7	38.8	37.7	37.5
42.5°	119.1	75.5	41.8	38.1	39.7	39.0	37.0	35.5	35.4	35.7
45°	120.9	69.3	37.8	36.2	38.7	37.4	34.6	33.2	33.7	34.0
47.5°	122.6	63.1	34.5	34.1	37.0	36.0	33.1	31.6	31.3	31.8
50°	126.7	54.5	30.8	31.6	34.9	34.5	31.8	30.0	28.5	28.4
52.5°	132.2	42.9	27.7	29.4	33.2	33.7	30.3	28.6	26.5	26.2
55°	138.3	32.9	25.1	27.6	31.6	32.4	29.7	27.2	24.9	24.6
57.5°	140.2	26.0	22.7	25.2	29.5	31.2	28.9	25.5	23.8	23.5
60°	133.9	21.6	20.6	23.1	27.4	30.1	27.5	24.2	22.7	22.5
62.5°	115.0	19.0	19.5	21.8	25.8	29.0	26.5	23.3	22.1	22.0
65°	87.7	17.3	18.6	20.7	24.4	27.9	25.8	22.9	22.0	21.8
67.5°	55.1	16.1	17.6	19.5	23.0	26.8	25.3	22.4	21.7	21.5
70°	30.5	14.7	16.4	18.2	21.6	25.8	24.6	21.7	21.6	21.2
72.5°	18.6	13.3	15.0	16.8	20.0	24.6	23.3	20.9	20.1	19.1
73°	17.7	13.1	14.7	16.4	19.6	24.2	23.1	20.5	19.8	18.8
75°	14.3	11.8	13.5	15.0	18.2	23.0	21.7	19.4	18.2	17.5
77.5°	10.5	10.1	11.6	13.1	16.4	21.2	19.8	17.8	16.3	15.9
80°	7.8	8.3	9.8	11.1	14.4	19.5	17.9	15.9	15.0	14.5
82.5°	5.3	6.5	7.9	8.9	12.7	17.6	15.8	13.9	14.6	12.1
85°	3.1	4.5	5.7	6.9	10.2	15.7	13.8	11.9	10.4	9.4
87.5°	2.0	2.5	3.5	4.7	7.4	12.4	10.9	9.3	6.8	6.8
90°	0.2	0.3	0.5	0.6	1.0	5.3	3.6	4.3	0.8	0.7
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: P226585

CATALOG NUMBER: IST-AF-XXX-LED-E1-T4FT-8030-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)