

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: P271684

Luminaire Tested: **IST-AF-XXX-LED-E1-SL4-7027-XXB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P271684  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35947)  
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-SL4-7027-XXB  
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE, EMERGENCY MODE WITH BATTERY  
BACKPACK BOX  
LIGHT SQUARE WITH ACCUED OPTICS-TYPE IV W/SPILL CONTROL  
Light Source: (16) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 516.3 lumens  
Efficiency: N/A  
Efficacy: 39.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B0 - U1 - G0

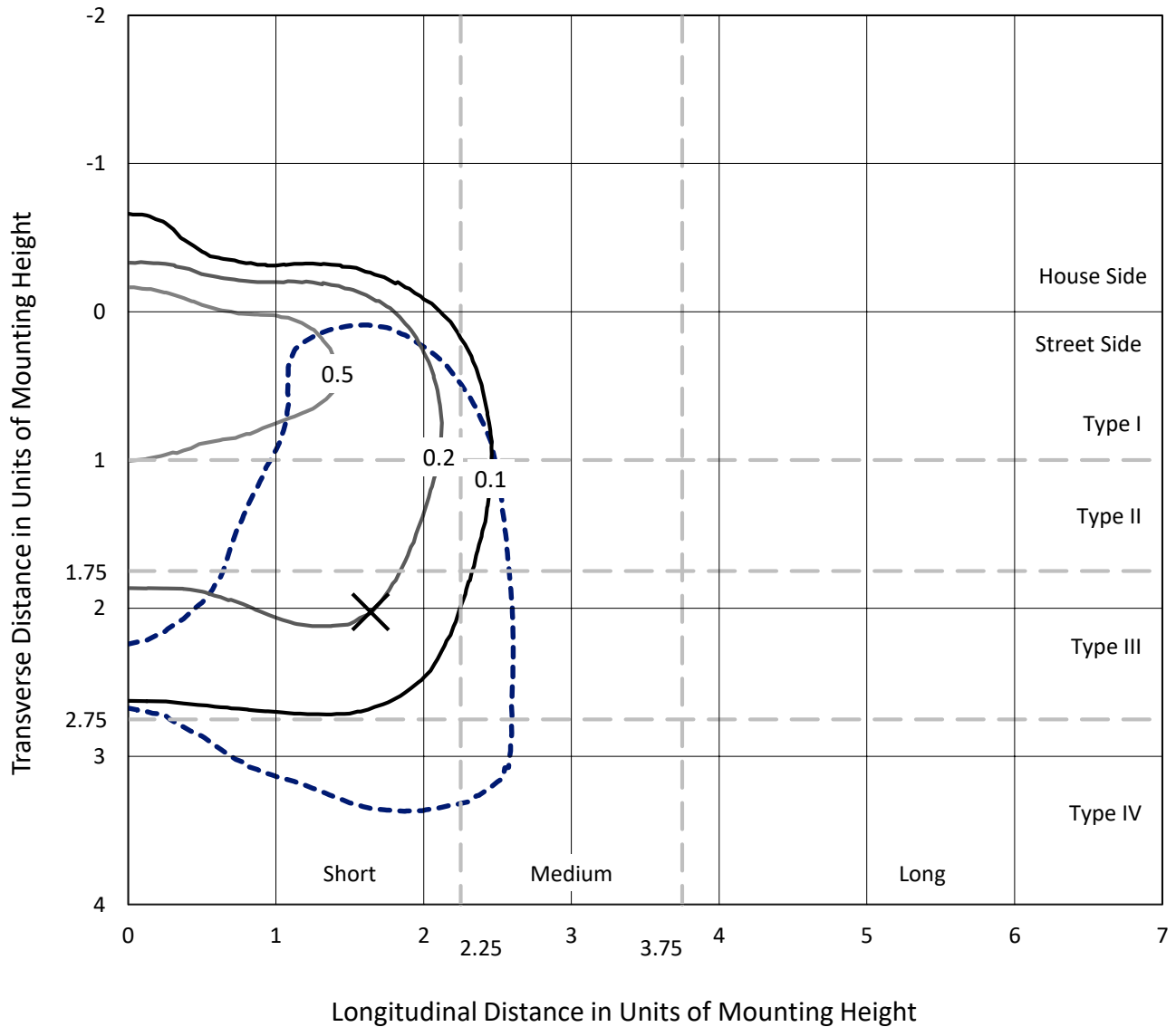
Input Watts (W): 13  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

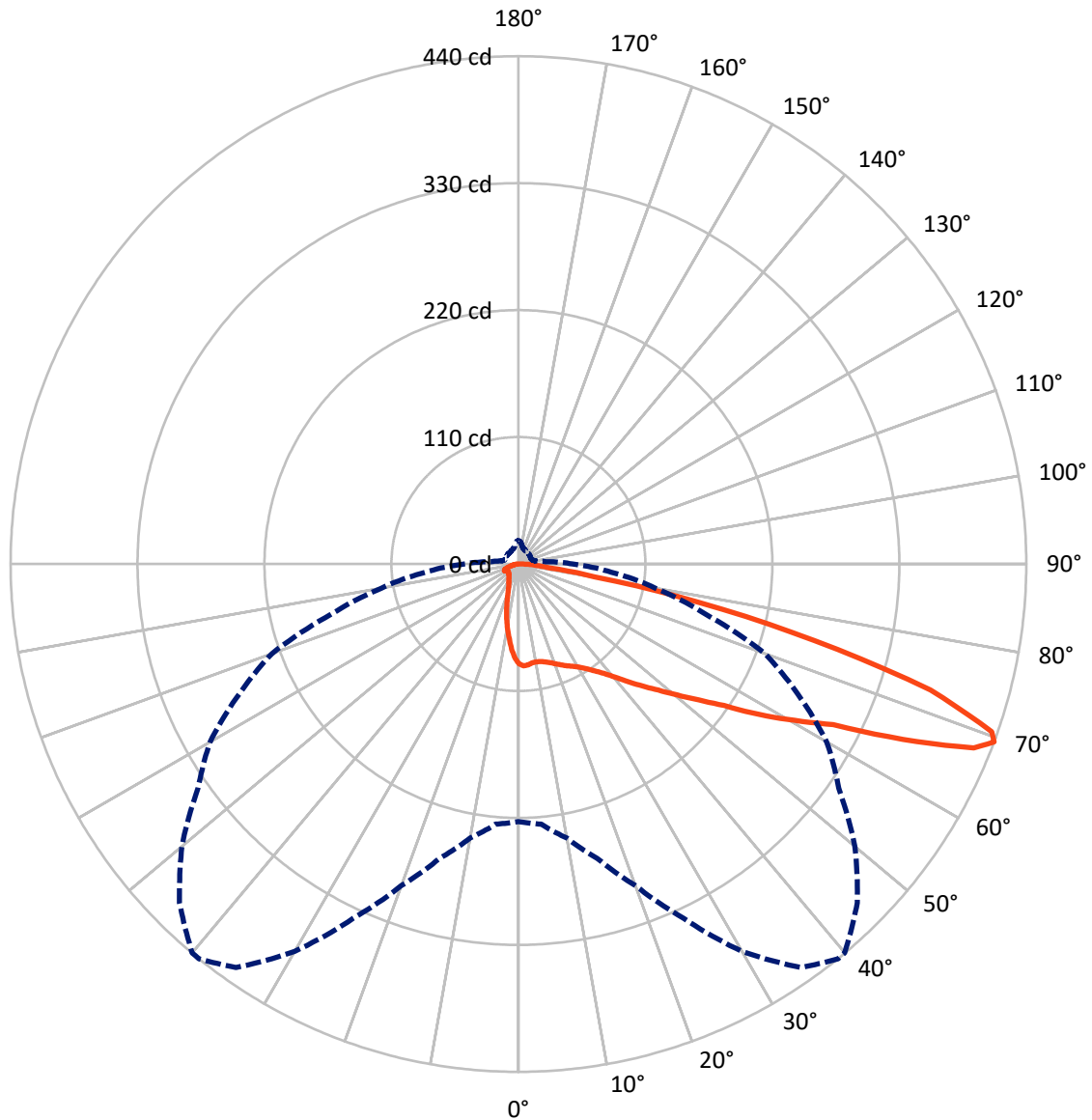


Based on 10 foot mounting height. Maximum calculated value = 0.9 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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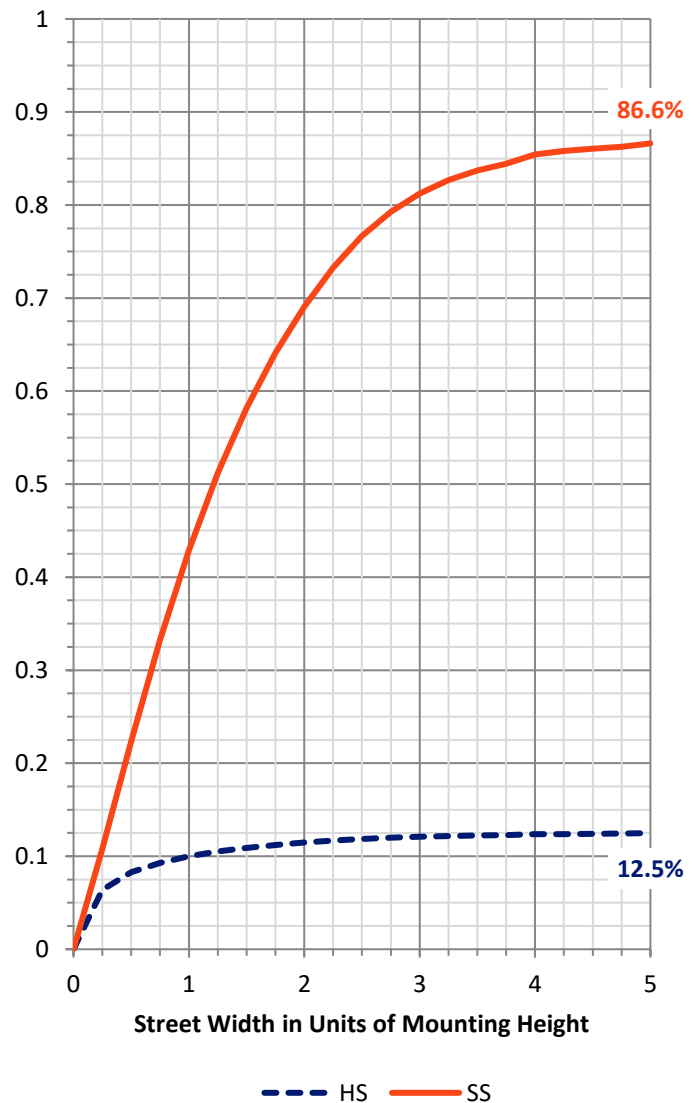
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	65.3	0.0	65.3
	% Fixture	12.7	0.0	12.7
<b>Street Side</b>	Lumens	450.9	0.1	451.0
	% Fixture	87.3	0.0	87.3
<b>Total</b>	Lumens	516.2	0.1	516.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.5	1.4
10°-20°	18.8	3.6
20°-30°	29.3	5.7
30°-40°	44.3	8.6
40°-50°	70.9	13.7
50°-60°	111.4	21.6
60°-70°	150.0	29.0
70°-80°	74.4	14.4
80°-90°	9.8	1.9
90°-100°	0.1	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°	516.2	100.0
0°-180°	516.3	100.0

**Coefficient of Utilization**



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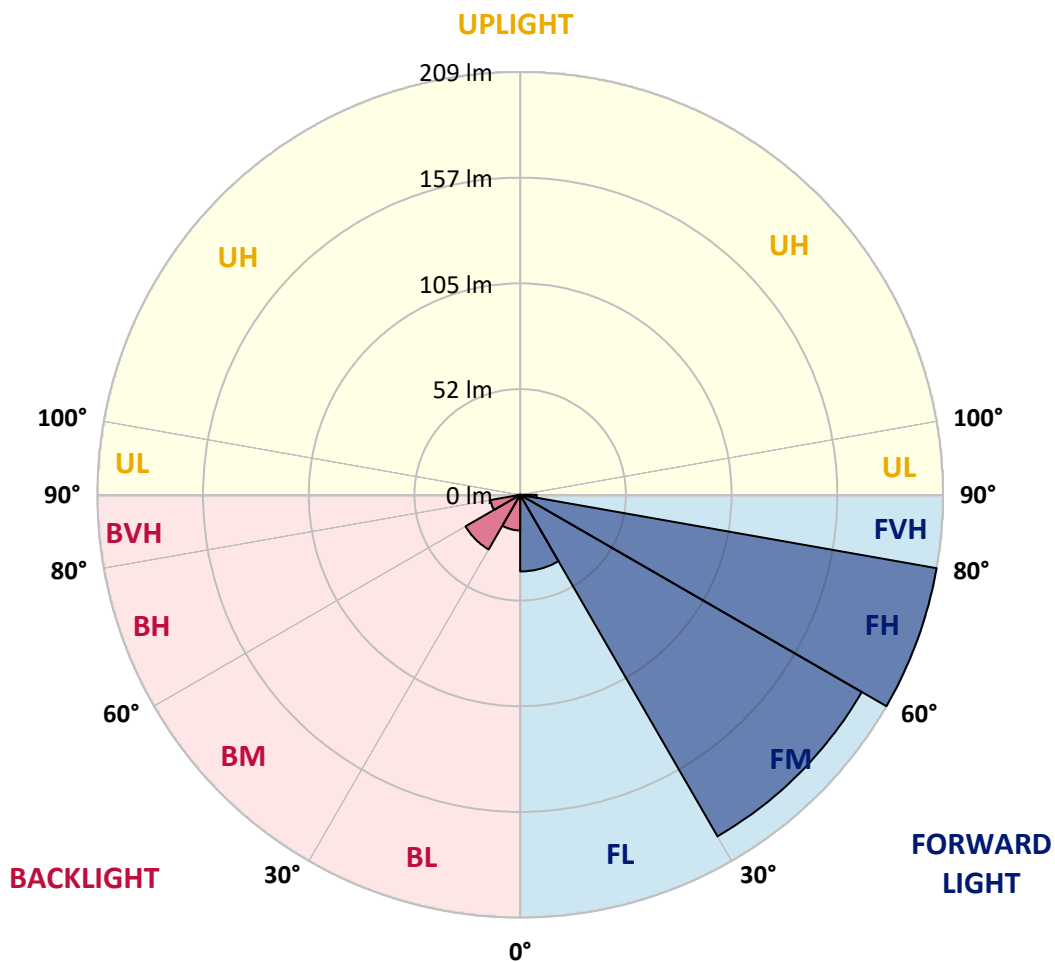
CATALOG NUMBER: IST-AF-XXX-LED-E1-SL4-7027-XXB

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	38.0	7.4			
FM	(30°-60°)	195.3	37.8			
FH	(60°-80°)	209.4	40.6			G0/660
FVH	(80°-90°)	8.2	1.6			G0/10
BL	(0°-30°)	17.6	3.4	B0/110		
BM	(30°-60°)	31.2	6.0	B0/220		
BH	(60°-80°)	15.0	2.9	B0/110		G0/110
BVH	(80°-90°)	1.5	0.3			G0/10
UL	(90°-100°)	0.1	0.0		U1/10	
UH	(100°-180°)	0.0	0.0		U1/10	

**BUG Rating: B0-U1-G0**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	39°	40°	45°
0°	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
2.5°	88.6	88.7	88.7	88.8	88.4	88.4	88.6	88.1	88.3	88.2	87.9
5°	88.8	88.8	88.8	88.8	88.4	88.2	87.9	87.5	87.7	87.6	87.0
7.5°	88.3	88.4	88.2	88.3	87.9	87.5	87.0	86.7	86.3	86.2	85.6
10°	87.5	87.7	87.3	87.6	87.1	86.9	86.6	86.2	86.1	86.0	85.1
12.5°	86.1	86.2	86.2	86.7	86.7	86.8	86.8	86.5	86.6	86.5	85.8
15°	84.8	85.4	86.0	86.2	87.0	87.5	87.8	87.7	87.9	87.9	87.5
17.5°	84.8	85.2	86.2	87.5	88.7	89.2	89.7	89.7	89.8	89.7	89.0
20°	85.1	86.1	87.8	89.7	91.1	92.3	92.5	92.5	92.2	92.2	91.0
22.5°	87.9	88.6	90.3	92.3	94.4	95.6	95.7	95.4	94.8	94.6	93.2
25°	91.9	92.5	94.2	96.7	98.4	99.4	99.0	98.3	97.6	96.9	95.4
27.5°	97.9	98.5	100.1	101.9	102.9	103.1	102.1	101.0	100.3	100.0	97.9
30°	104.2	104.9	106.3	107.3	108.1	107.1	105.6	104.1	103.5	103.3	101.5
32.5°	112.0	112.1	113.0	113.2	113.3	111.6	109.4	108.2	108.0	107.5	106.2
35°	118.9	119.5	119.3	119.1	118.4	116.3	114.4	113.7	113.5	113.4	112.2
37.5°	125.2	125.9	125.5	124.8	123.9	122.2	120.2	119.5	120.2	119.7	120.0
40°	131.4	131.4	131.0	130.4	129.4	127.8	127.1	127.2	128.5	128.9	129.3
42.5°	136.7	136.6	136.1	135.7	135.6	135.3	134.9	136.5	139.1	139.6	140.3
45°	142.4	142.4	140.5	141.1	142.3	142.5	143.7	147.4	150.6	150.8	152.4
47.5°	148.1	147.4	145.5	146.2	149.6	151.4	153.3	158.6	163.0	163.9	168.3
50°	153.9	153.3	151.3	152.5	157.2	160.4	165.0	172.3	178.3	179.6	185.4
52.5°	160.1	160.0	158.4	160.3	166.1	172.7	179.8	187.9	195.4	197.0	205.5
55°	167.4	167.1	166.4	168.7	176.9	185.8	196.9	208.0	216.1	219.0	227.6
57.5°	175.7	175.6	175.7	180.5	190.4	203.8	217.5	232.4	245.9	247.9	255.9
60°	183.0	183.3	185.2	192.9	205.3	223.5	242.7	262.8	274.8	276.9	284.8
62.5°	191.8	193.7	198.0	207.6	222.2	244.2	269.1	290.5	305.9	310.2	325.1
65°	212.9	214.3	222.3	234.0	252.5	280.9	309.5	340.5	365.9	369.7	382.6
67.5°	228.3	232.1	244.6	263.7	290.5	326.7	366.0	403.6	425.0	426.8	417.7
69°	222.9	226.1	240.8	263.8	296.2	338.4	387.2	426.4	439.6	439.3	414.8
70°	214.7	217.6	233.9	256.2	291.5	337.0	387.5	426.7	434.6	431.5	403.7
72.5°	179.8	182.4	197.6	220.9	255.2	300.4	347.9	374.6	373.0	370.6	324.4
75°	112.3	112.1	125.4	139.0	165.5	211.2	246.7	268.1	264.6	262.8	208.2
77.5°	42.0	44.9	49.8	64.3	76.5	101.1	129.9	153.7	160.3	151.8	112.1
80°	21.9	23.4	26.7	31.8	36.5	41.8	50.2	64.7	66.9	62.4	45.3
82.5°	17.2	19.2	22.4	26.7	30.1	28.0	26.5	27.4	27.2	26.1	23.1
85°	13.0	15.3	20.5	25.0	29.7	25.2	20.0	17.4	15.6	15.7	16.7
87.5°	6.6	8.4	16.2	21.8	25.9	16.7	13.0	10.2	8.4	8.2	10.9
90°	2.0	2.0	3.2	4.3	5.9	3.0	2.9	2.2	1.5	1.5	2.5
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-SL4-7027-XXB

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	39°	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-SL4-7027-XXB

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
2.5°	87.5	87.5	87.3	87.2	87.0	86.7	86.3	86.0	85.7	85.2	84.8
5°	86.3	86.1	85.9	85.6	85.1	84.6	84.1	83.5	82.8	82.0	81.0
7.5°	85.0	84.5	83.9	83.7	83.1	82.6	82.0	81.2	80.3	78.8	77.6
10°	84.4	83.9	83.5	83.0	82.3	81.7	81.0	79.9	78.8	76.7	74.6
12.5°	85.0	84.5	84.0	83.5	82.7	82.0	81.0	79.8	78.2	75.5	72.9
15°	86.3	85.9	85.1	84.5	83.5	82.9	81.7	80.2	77.8	74.6	71.1
17.5°	88.0	87.2	86.5	85.6	84.7	84.0	82.6	80.7	77.7	74.0	69.5
20°	89.5	88.7	87.5	86.9	86.0	84.9	83.5	81.0	77.6	72.7	67.7
22.5°	91.3	90.2	88.9	88.1	87.5	86.6	84.9	81.8	77.6	72.0	65.7
25°	93.5	92.1	90.9	90.1	89.7	89.0	87.0	83.6	78.2	71.4	64.0
27.5°	96.2	94.3	93.2	92.7	92.6	92.2	90.2	86.0	79.5	71.4	62.4
30°	99.4	97.7	96.4	96.4	97.4	97.1	94.8	89.7	81.7	71.8	61.3
32.5°	103.8	102.2	101.4	102.2	103.3	103.7	101.1	94.7	85.1	72.9	60.1
35°	110.3	109.3	108.8	110.0	112.2	113.1	109.9	102.4	90.1	75.2	59.4
37.5°	118.9	118.3	117.5	119.7	123.8	125.4	120.8	111.1	97.3	78.9	59.1
40°	128.9	129.0	129.9	134.2	138.1	141.7	136.5	124.4	107.2	84.4	59.4
42.5°	140.7	141.6	144.4	150.5	158.0	160.8	155.8	140.6	119.6	90.8	60.3
45°	155.1	157.7	162.5	171.5	180.6	184.9	177.9	160.8	134.9	101.1	62.6
47.5°	170.7	176.1	184.3	195.2	205.9	208.7	199.9	179.1	150.2	110.2	66.3
50°	190.6	197.1	205.4	218.4	229.8	231.4	219.8	196.2	163.4	118.1	69.7
52.5°	209.0	218.0	228.3	243.6	255.2	253.1	238.1	211.3	173.9	123.6	71.5
55°	234.4	243.6	255.4	268.6	280.1	275.2	254.5	224.3	182.3	127.6	72.1
57.5°	263.3	270.3	281.9	295.5	303.0	294.4	270.7	236.8	190.2	127.6	67.6
60°	291.7	299.9	312.7	325.9	330.1	315.2	282.1	238.8	182.4	113.9	54.1
62.5°	333.8	342.1	348.5	350.7	343.2	313.1	269.0	218.4	157.2	89.9	38.3
65°	380.8	371.4	359.0	347.1	326.6	281.1	231.9	179.4	122.0	60.1	26.4
67.5°	393.1	364.5	337.3	311.3	272.9	223.9	174.9	126.2	78.2	34.1	18.0
69°	380.3	338.5	308.3	266.9	227.3	167.5	120.6	80.8	46.7	23.7	15.0
70°	356.9	313.4	272.5	228.0	176.1	128.0	80.1	53.0	30.5	17.3	13.5
72.5°	269.2	215.2	166.0	107.8	65.7	36.4	25.6	18.3	14.6	12.8	11.6
75°	155.7	103.7	67.9	36.2	21.5	15.9	13.9	12.4	11.5	11.0	10.0
77.5°	65.7	41.1	27.8	20.3	14.5	12.4	10.7	9.9	9.8	9.5	8.6
80°	29.9	25.6	21.9	15.3	11.0	9.4	8.3	8.1	8.3	7.9	7.1
82.5°	22.2	21.9	18.2	11.8	8.4	6.3	5.1	5.4	6.0	6.6	5.7
85°	18.5	18.5	15.3	8.8	5.5	4.0	4.0	4.4	5.0	5.4	4.6
87.5°	17.0	16.3	8.8	4.5	3.1	2.5	2.4	2.2	2.2	3.8	3.1
90°	1.7	0.8	0.4	0.3	0.4	0.3	0.4	0.4	0.4	0.4	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: P271684

CATALOG NUMBER: IST-AF-XXX-LED-E1-SL4-7027-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



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**CANDELA DISTRIBUTION (continued):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
2.5°	84.4	84.0	83.3	83.0	82.8	82.5	82.4	81.9	81.0	80.9	81.0
5°	80.6	79.2	78.2	77.5	77.0	75.4	74.8	74.2	73.0	72.7	72.1
7.5°	76.0	74.4	72.5	71.2	69.7	68.0	66.7	65.1	63.9	63.2	61.8
10°	72.5	70.2	67.9	65.1	63.2	60.6	59.1	57.2	55.2	53.4	52.0
12.5°	69.8	66.7	63.3	60.1	57.0	54.4	51.7	49.0	46.5	43.9	41.8
15°	67.6	63.9	59.4	55.3	51.7	47.9	44.6	41.1	37.9	35.8	33.0
17.5°	65.3	60.5	55.2	50.5	45.6	41.6	37.5	33.9	30.8	27.9	25.7
20°	62.4	56.5	50.8	45.5	40.0	35.3	31.2	27.7	24.7	22.5	20.8
22.5°	59.3	52.4	45.7	39.9	34.3	29.8	26.1	23.3	21.1	19.9	19.3
25°	56.1	48.3	40.9	34.2	28.8	25.0	22.4	20.1	19.0	18.5	18.5
27.5°	53.3	44.1	35.8	29.5	24.2	21.1	19.1	18.1	17.7	17.7	18.0
30°	50.7	39.9	31.0	24.5	20.3	18.1	17.0	16.7	16.8	17.1	17.4
32.5°	47.5	35.8	26.9	21.1	17.7	16.2	15.3	15.5	15.8	16.3	17.0
35°	44.3	31.6	23.3	18.5	15.8	14.6	14.1	14.2	14.8	15.6	16.2
37.5°	41.3	28.2	20.5	16.5	14.6	13.7	13.4	13.5	13.8	14.7	15.5
40°	38.4	25.2	18.2	15.3	13.7	12.9	12.8	12.7	12.9	13.8	14.7
42.5°	35.8	22.6	16.9	14.6	13.3	12.6	12.3	12.3	12.4	13.0	14.0
45°	34.3	21.2	16.0	13.9	12.8	12.3	11.9	11.8	11.9	12.4	13.3
47.5°	34.3	20.4	15.5	13.5	12.5	11.9	11.6	11.5	11.6	11.9	12.8
50°	35.6	20.6	15.3	13.4	12.4	11.7	11.2	11.2	11.4	11.9	12.7
52.5°	36.5	20.9	15.6	13.5	12.4	11.5	11.0	10.9	11.2	11.8	12.4
55°	36.4	20.9	15.8	13.7	12.6	11.6	10.9	10.8	11.0	11.6	12.1
57.5°	32.5	19.8	15.6	13.9	12.8	11.9	11.3	11.0	11.2	11.8	12.3
60°	26.3	17.4	14.9	13.9	13.5	12.8	12.0	11.9	11.9	12.5	13.0
62.5°	20.6	15.6	14.0	13.8	13.7	13.4	13.0	12.8	12.8	13.4	13.8
65°	16.8	14.0	13.5	13.5	13.7	13.6	13.5	13.5	13.5	13.7	14.1
67.5°	14.0	12.7	12.5	12.8	12.8	12.9	13.0	12.9	13.0	13.4	13.9
69°	12.8	11.9	11.8	11.9	12.3	12.4	12.5	12.4	12.5	12.8	13.4
70°	11.9	11.3	11.2	11.4	11.7	11.8	11.9	11.8	11.9	12.1	12.8
72.5°	10.4	9.6	9.4	9.5	9.8	9.8	10.0	10.2	10.0	10.0	10.5
75°	8.9	8.1	7.6	7.7	7.7	7.7	7.8	7.8	7.7	7.6	7.7
77.5°	7.5	6.6	6.0	6.0	6.0	6.0	5.7	5.7	5.9	5.7	5.9
80°	5.9	5.1	4.6	4.6	4.6	4.4	4.3	4.3	4.5	4.7	4.6
82.5°	4.5	3.8	3.5	3.4	3.4	3.2	3.2	3.4	3.3	3.4	3.6
85°	3.2	2.7	2.4	2.5	2.4	2.2	2.3	2.5	2.5	2.5	2.7
87.5°	2.0	1.7	1.5	1.7	1.4	1.3	1.2	1.3	1.4	1.3	1.4
90°	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.3	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: P271684  
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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	60°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°



