

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: P227377

Luminaire Tested: **IST-AF-1000-LED-E1-SLR-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P227377  
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-1000-LED-E1-SLR-7030  
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (16) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

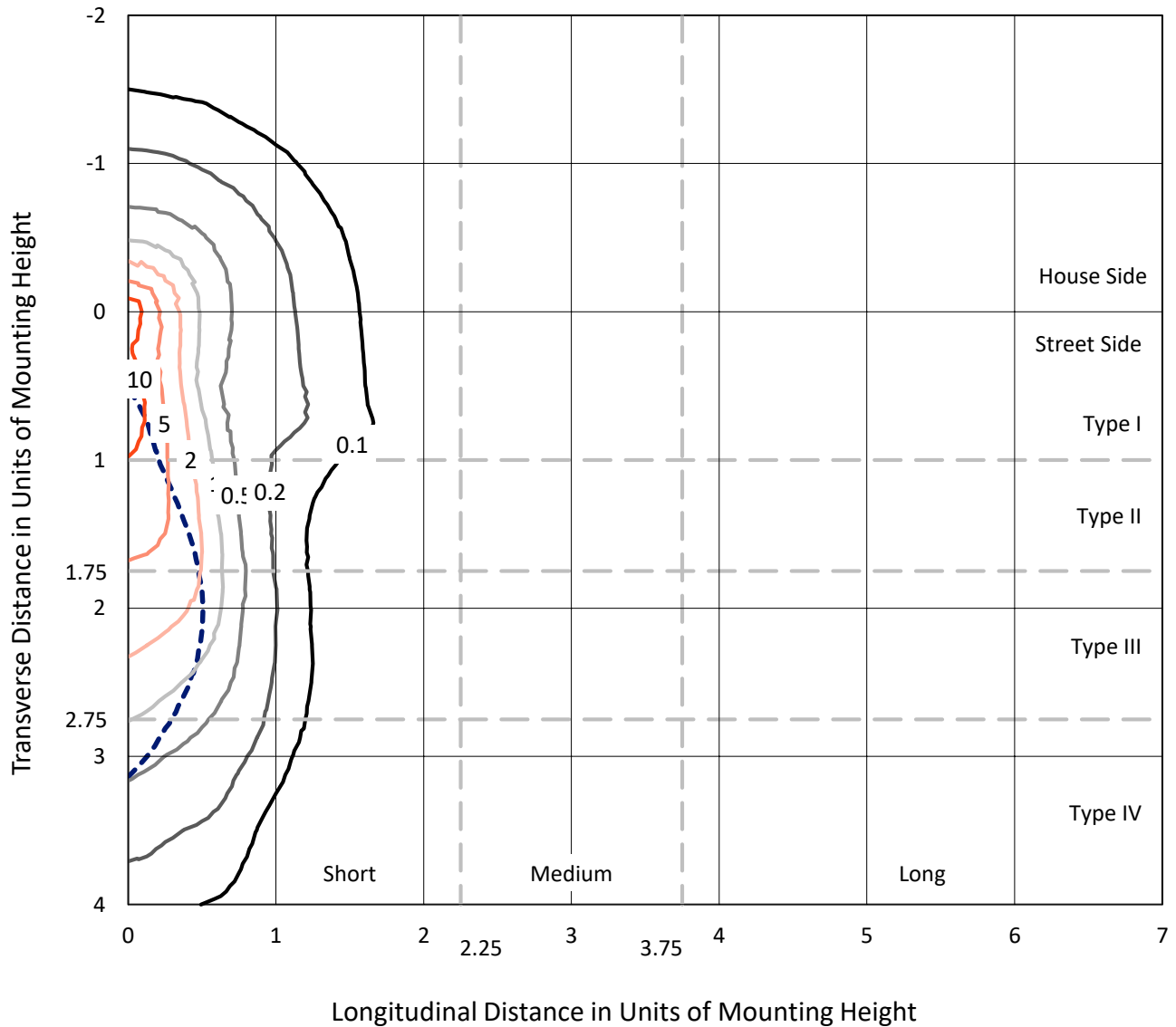
Lumens per Lamp: N/A  
Luminaire Lumens: 4622.1 lumens  
Efficiency: N/A  
Efficacy: 84.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U1 - G2  
  
Input Watts (W): 54.6  
Input Voltage (V): 120  
Input Current (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

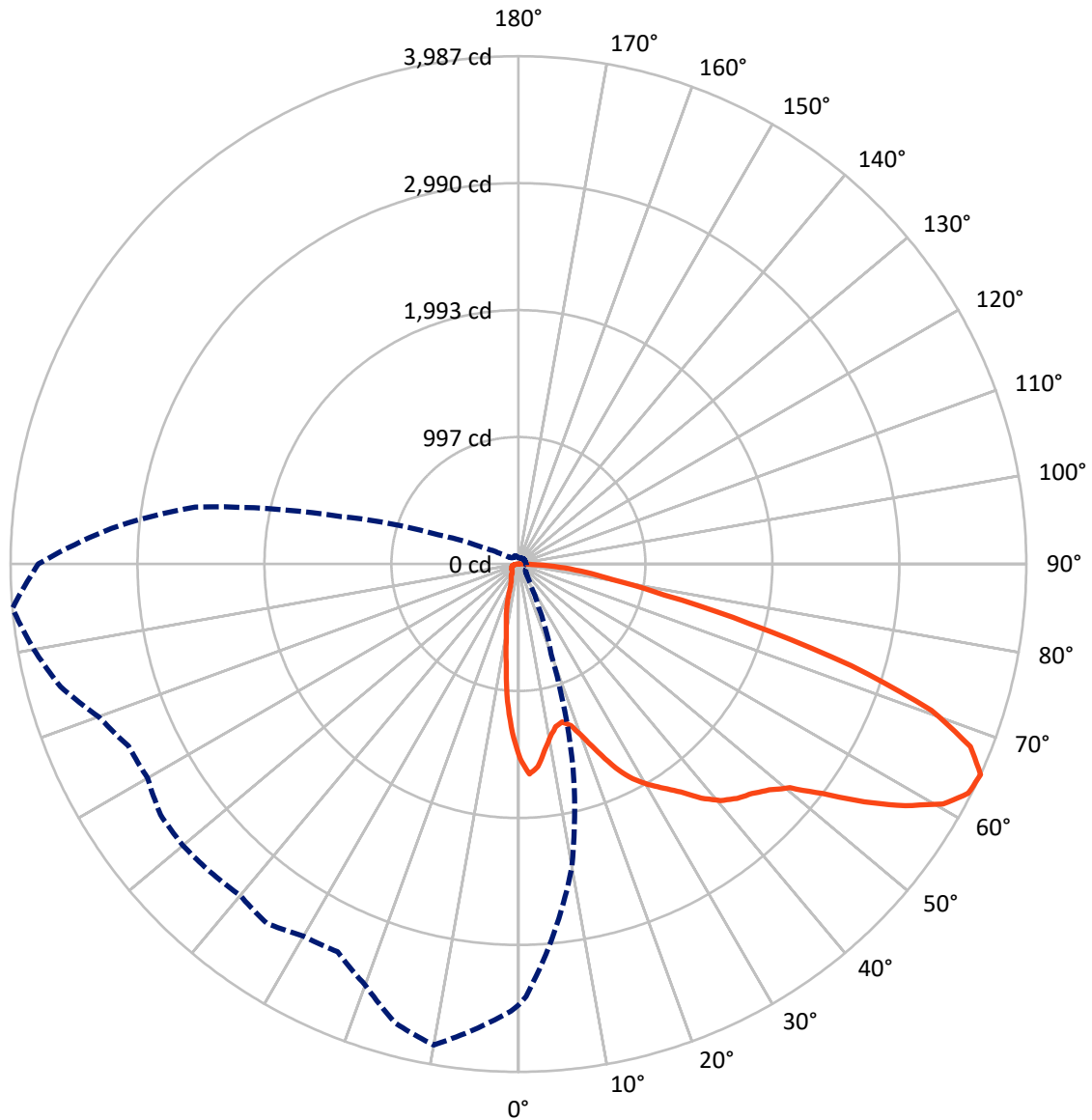
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.3 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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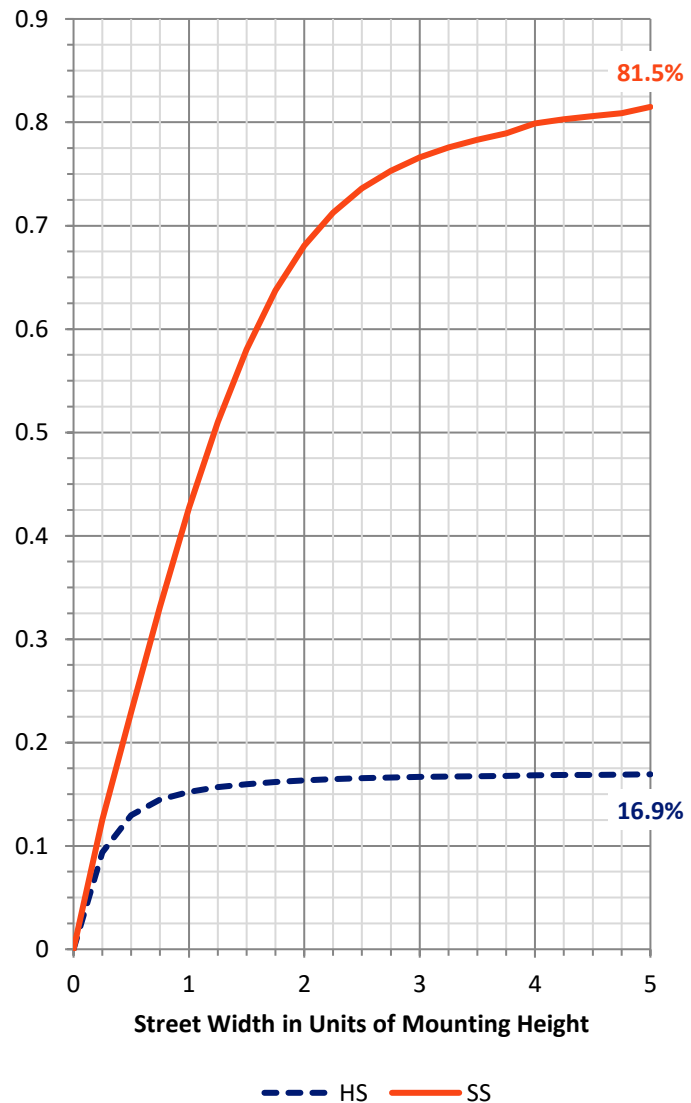
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	792.8	0.0	792.9
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	3829.1	0.2	3829.3
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	4621.9	0.2	4622.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.1	2.4
10°-20°	217.7	4.7
20°-30°	310.4	6.7
30°-40°	450.3	9.7
40°-50°	644.1	13.9
50°-60°	989.0	21.4
60°-70°	1144.7	24.8
70°-80°	584.0	12.6
80°-90°	168.5	3.6
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°	4621.9	100.0
0°-180°	4622.1	100.0



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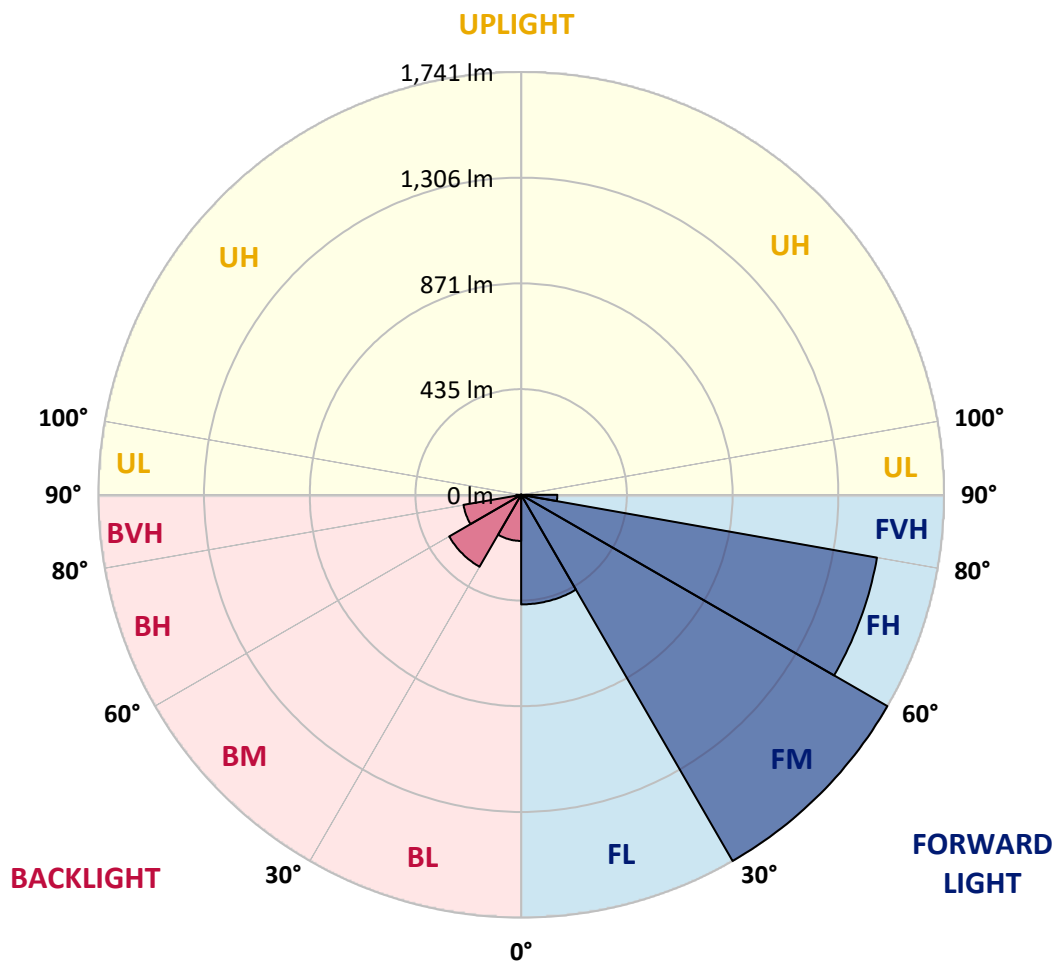
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	451.4	9.8			
FM	(30°-60°)	1741.1	37.7			
FH	(60°-80°)	1487.6	32.2			G1/1800
FVH	(80°-90°)	149.0	3.2			G2/225
BL	(0°-30°)	189.8	4.1	B1/500		
BM	(30°-60°)	342.3	7.4	B1/1000		
BH	(60°-80°)	241.1	5.2	B1/500		G1/500
BVH	(80°-90°)	19.6	0.4			G1/100
UL	(90°-100°)	0.2	0.0		U1/10	
UH	(100°-180°)	0.0	0.0		U1/10	

**BUG Rating: B1-U1-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0
2.5°	1580.6	1571.3	1559.6	1539.4	1521.5	1495.8	1489.6	1457.7	1437.5	1442.2	1405.6
5°	1484.2	1478.7	1450.0	1404.8	1375.3	1316.9	1283.5	1266.4	1218.1	1211.9	1198.7
7.5°	1348.8	1332.5	1285.8	1229.8	1179.3	1136.5	1082.8	1041.6	1005.0	982.5	942.8
10°	1232.9	1215.8	1165.3	1096.8	1036.1	976.2	932.7	879.0	826.9	786.4	754.5
12.5°	1176.9	1158.2	1099.1	1019.8	952.1	877.4	816.0	763.1	734.3	714.1	687.6
15°	1198.7	1171.5	1100.7	1005.8	921.8	842.4	777.1	720.3	686.1	655.0	623.9
17.5°	1286.6	1253.1	1172.3	1057.9	941.2	838.5	745.2	680.6	626.2	579.5	537.5
20°	1437.5	1412.6	1295.2	1134.9	983.2	840.9	718.0	633.2	567.1	507.9	451.9
22.5°	1614.1	1576.7	1461.6	1239.1	1036.9	854.9	700.9	593.5	515.0	435.6	374.9
25°	1799.2	1770.4	1618.0	1379.2	1119.4	883.7	687.6	558.5	453.5	365.6	298.7
27.5°	1948.6	1922.9	1772.0	1513.7	1194.8	908.6	668.2	525.1	404.5	298.7	224.8
30°	2070.7	2048.9	1891.0	1624.2	1286.6	917.1	641.0	486.2	350.0	241.1	185.9
32.5°	2207.6	2183.5	2005.4	1701.2	1327.8	909.3	609.9	449.6	306.5	213.1	159.5
35°	2357.7	2329.7	2132.9	1784.4	1362.1	882.1	583.4	423.2	285.5	193.7	141.6
37.5°	2491.5	2473.6	2248.0	1866.9	1400.9	837.0	557.7	394.4	271.5	179.7	127.6
40°	2595.8	2591.1	2375.6	1935.3	1431.3	804.3	536.7	371.8	253.6	174.2	122.9
42.5°	2679.8	2678.2	2479.9	1996.8	1439.1	775.5	520.4	351.6	237.3	161.0	125.2
45°	2760.7	2759.9	2581.0	2082.4	1444.5	777.1	507.9	339.2	223.2	152.5	118.2
47.5°	2837.7	2849.3	2686.8	2201.4	1502.1	803.5	503.3	327.5	212.4	143.1	112.0
50°	2966.8	2955.1	2854.0	2362.4	1594.6	854.9	495.5	317.4	202.2	134.6	105.8
52.5°	3211.8	3198.6	3108.4	2577.9	1695.8	907.8	485.4	303.4	190.6	125.2	98.8
55°	3511.3	3529.2	3404.0	2840.0	1833.4	952.1	474.5	284.7	175.0	114.3	94.1
57.5°	3687.1	3672.3	3529.2	2990.9	1918.2	974.7	467.5	262.9	150.9	105.0	89.5
59°	3728.3	3703.4	3508.2	3016.6	1940.8	963.8	463.6	241.9	138.5	100.3	87.1
60°	3724.4	3694.1	3474.7	3000.2	1947.0	950.6	457.4	229.5	131.5	98.0	86.3
62.5°	3644.3	3596.9	3284.9	2802.7	1859.9	884.4	431.7	199.9	122.1	94.9	81.7
65°	3462.3	3395.4	2966.0	2416.8	1660.0	753.0	373.4	189.0	124.5	93.3	78.6
67.5°	3148.0	3094.4	2556.1	1999.9	1323.2	608.3	322.8	184.4	127.6	94.9	73.9
70°	2560.8	2514.9	1994.5	1497.4	991.0	483.8	293.3	182.0	125.2	91.0	70.0
72.5°	1806.2	1726.9	1325.5	1048.6	628.5	388.9	254.4	171.9	122.1	87.9	63.8
75°	1099.1	1113.9	842.4	763.9	396.7	266.8	199.9	144.7	108.1	78.6	57.6
77.5°	725.0	724.2	621.5	539.1	201.5	165.7	141.6	111.2	84.8	64.6	49.8
80°	491.6	497.1	451.2	367.9	112.0	99.6	92.6	80.9	62.2	49.0	41.2
82.5°	302.6	303.4	349.3	275.4	74.7	63.0	59.1	54.5	44.3	38.1	31.9
85°	105.0	107.3	122.1	194.5	50.6	41.2	41.2	38.1	33.4	25.7	21.0
87.5°	45.1	44.3	52.9	52.9	24.9	21.0	19.4	19.4	18.7	14.0	11.7
90°	3.1	2.3	2.3	3.1	3.9	5.4	4.7	5.4	5.4	4.7	3.1
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°	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0
2.5°	1394.7	1386.2	1362.1	1355.8	1363.6	1348.0	1344.2	1340.3	1311.5	1326.3	1309.2
5°	1166.0	1163.7	1114.7	1124.8	1114.7	1097.6	1090.6	1106.9	1078.1	1084.4	1088.2
7.5°	896.1	886.8	854.1	832.3	819.1	807.4	792.7	768.5	787.2	783.3	812.9
10°	727.3	707.1	686.9	656.5	639.4	623.1	606.0	596.6	574.8	572.5	562.4
12.5°	666.6	637.9	612.2	585.7	567.8	535.2	507.9	490.8	476.8	455.1	438.7
15°	585.7	561.6	528.2	502.5	474.5	444.9	418.5	396.7	386.6	366.4	357.0
17.5°	504.1	467.5	427.1	401.4	362.5	332.2	310.4	296.4	281.6	269.1	258.3
20°	406.0	358.6	315.0	282.4	252.0	222.5	212.4	195.2	189.0	184.4	188.2
22.5°	308.8	259.8	214.7	189.8	173.5	165.7	157.1	154.0	151.7	150.9	152.5
25°	226.4	185.1	163.4	154.0	147.8	143.1	140.0	137.7	136.1	135.3	136.1
27.5°	175.0	153.2	142.4	136.1	131.5	128.3	126.8	124.5	123.7	122.9	123.7
30°	151.7	140.0	132.2	126.0	120.6	115.1	112.8	112.0	112.8	113.6	112.8
32.5°	132.2	123.7	115.1	109.7	105.8	102.7	102.7	101.1	101.1	103.5	104.2
35°	119.8	111.2	105.0	98.0	93.3	90.2	87.9	86.3	87.1	87.1	89.5
37.5°	109.7	103.5	98.0	91.8	87.1	84.0	82.5	80.9	80.1	79.3	79.3
40°	102.7	98.8	94.1	87.9	83.2	80.1	78.6	77.0	76.2	75.5	75.5
42.5°	102.7	94.9	91.8	86.3	80.9	77.8	75.5	73.9	72.3	72.3	72.3
45°	112.8	97.2	91.8	85.6	80.1	76.2	73.9	71.6	70.0	70.0	69.2
47.5°	109.7	108.9	93.3	85.6	80.9	76.2	73.1	70.8	69.2	68.5	67.7
50°	104.2	113.6	104.2	87.9	80.9	75.5	72.3	70.0	67.7	66.9	66.9
52.5°	101.1	105.8	108.1	91.0	81.7	75.5	71.6	69.2	67.7	66.1	65.3
55°	93.3	99.6	103.5	89.5	81.7	73.9	70.0	67.7	65.3	64.6	63.8
57.5°	85.6	90.2	99.6	89.5	79.3	73.1	68.5	65.3	63.8	63.0	62.2
59°	83.2	83.2	88.7	91.8	77.8	72.3	67.7	64.6	63.0	62.2	60.7
60°	80.9	80.9	84.0	94.1	77.0	71.6	66.9	63.8	61.5	61.5	60.7
62.5°	77.8	75.5	77.0	87.9	74.7	70.0	65.3	62.2	59.9	59.9	59.1
65°	73.9	70.8	70.8	73.1	70.0	66.9	63.8	60.7	57.6	57.6	58.3
67.5°	70.0	66.9	66.1	66.1	64.6	63.8	60.7	57.6	56.0	56.0	56.0
70°	64.6	62.2	61.5	59.9	59.9	59.1	56.8	54.5	52.9	53.7	52.9
72.5°	58.3	56.8	55.2	55.2	54.5	53.7	51.3	49.8	49.0	49.8	49.8
75°	52.1	49.8	49.8	48.2	48.2	47.5	45.1	44.3	43.6	44.3	45.1
77.5°	44.3	42.8	42.0	42.0	42.0	42.0	38.9	38.1	38.1	39.7	39.7
80°	36.6	35.8	35.0	35.0	35.0	34.2	32.7	31.9	31.9	32.7	33.4
82.5°	28.0	26.4	26.4	27.2	28.0	28.0	25.7	24.1	24.1	25.7	27.2
85°	18.7	18.7	18.7	19.4	19.4	20.2	18.7	16.3	17.1	17.9	20.2
87.5°	10.1	10.9	10.1	9.3	10.9	10.1	10.1	9.3	10.1	10.9	11.7
90°	3.1	3.1	2.3	1.6	0.8	1.6	1.6	2.3	0.8	0.8	1.6
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



REPORT NUMBER: P227377

CATALOG NUMBER: IST-AF-1000-LED-E1-SLR-7030

**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: P227377

CATALOG NUMBER: IST-AF-1000-LED-E1-SLR-7030

**CANDELA DISTRIBUTION (continued):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0
2.5°	1324.7	1311.5	1304.5	1331.7	1329.4	1306.0	1306.0	1322.4	1323.2	1309.2	1325.5
5°	1092.9	1079.7	1092.1	1081.2	1087.5	1086.7	1096.0	1078.9	1085.9	1079.7	1064.9
7.5°	810.5	837.0	851.0	833.1	855.7	867.3	851.0	867.3	841.7	820.7	840.9
10°	557.7	587.3	581.8	610.6	621.5	627.7	639.4	624.6	606.7	601.3	586.5
12.5°	432.5	426.3	423.9	435.6	442.6	432.5	441.1	431.7	422.4	406.0	405.3
15°	338.4	328.3	321.3	308.0	303.4	305.7	309.6	309.6	290.9	291.7	298.7
17.5°	256.7	254.4	248.9	238.0	231.0	233.4	232.6	228.7	226.4	227.9	236.5
20°	192.9	190.6	193.7	196.8	194.5	195.2	192.1	188.2	186.7	188.2	189.8
22.5°	152.5	155.6	159.5	164.1	164.9	168.8	168.0	168.8	165.7	164.1	160.2
25°	139.2	140.8	138.5	139.2	139.2	143.1	142.4	142.4	139.2	138.5	139.2
27.5°	122.9	122.1	122.1	123.7	123.7	126.0	127.6	126.0	122.9	122.1	122.9
30°	113.6	112.8	112.0	112.8	112.0	112.8	114.3	114.3	112.8	110.5	111.2
32.5°	104.2	104.2	103.5	104.2	103.5	103.5	105.0	102.7	102.7	101.9	101.9
35°	91.8	93.3	94.9	95.7	95.7	95.7	97.2	94.9	94.1	93.3	93.3
37.5°	79.3	80.9	85.6	87.9	88.7	90.2	91.0	89.5	87.9	86.3	84.8
40°	75.5	75.5	77.0	80.1	83.2	84.0	85.6	83.2	82.5	80.1	77.8
42.5°	72.3	73.1	73.1	73.9	74.7	76.2	78.6	76.2	74.7	73.1	70.8
45°	70.0	70.0	70.0	70.0	69.2	69.2	70.0	68.5	67.7	66.9	66.9
47.5°	68.5	67.7	66.9	66.1	65.3	64.6	64.6	63.0	63.0	63.0	63.0
50°	66.9	65.3	64.6	63.8	62.2	62.2	62.2	60.7	59.9	59.9	60.7
52.5°	64.6	63.8	63.0	62.2	61.5	60.7	60.7	59.1	58.3	58.3	58.3
55°	63.8	63.0	61.5	60.7	59.9	60.7	59.9	59.1	57.6	57.6	57.6
57.5°	61.5	62.2	61.5	59.9	59.9	59.9	59.9	58.3	57.6	56.0	56.8
59°	60.7	61.5	60.7	59.9	59.1	59.9	59.9	57.6	56.8	56.0	56.0
60°	59.9	60.7	59.9	59.1	59.1	59.9	59.1	58.3	56.8	54.5	55.2
62.5°	59.1	59.1	58.3	58.3	57.6	58.3	57.6	56.0	54.5	52.9	52.1
65°	57.6	57.6	56.8	56.8	56.0	56.0	56.0	54.5	52.9	51.3	51.3
67.5°	56.8	56.0	55.2	55.2	54.5	54.5	54.5	52.9	50.6	49.8	49.0
70°	53.7	52.9	52.9	52.1	51.3	52.1	52.9	50.6	48.2	46.7	45.9
72.5°	50.6	49.8	49.8	49.0	49.0	49.8	50.6	48.2	45.1	43.6	42.8
75°	45.9	45.1	45.1	45.1	45.1	46.7	46.7	44.3	42.0	39.7	38.1
77.5°	39.7	40.4	40.4	40.4	40.4	42.0	42.0	40.4	38.1	36.6	34.2
80°	34.2	34.2	35.0	35.0	35.8	35.8	35.0	34.2	33.4	31.9	28.8
82.5°	28.8	28.8	28.8	28.8	28.8	28.0	26.4	28.0	28.0	26.4	24.1
85°	22.6	22.6	22.6	23.3	23.3	21.0	18.7	18.7	21.0	20.2	18.7
87.5°	13.2	13.2	14.0	16.3	14.8	14.0	11.7	12.4	11.7	13.2	10.9
90°	3.1	2.3	2.3	0.8	1.6	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: P227377  
 CATALOG NUMBER: IST-AF-1000-LED-E1-SLR-7030

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°



NUMBER: P227377  
 NUMBER: IST-AF-1000-LED-E1-SLR-7030

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

160°	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	110°	160°
1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	110°	0.0
1327.0	1330.2	1337.2	1334.8	1360.5	1352.7	1370.6	1394.7	1417.3	1406.4	1409.5	112.5°	0.0
1091.4	1095.2	1065.7	1083.6	1110.0	1099.1	1095.2	1131.0	1122.5	1162.9	1129.5	115°	0.0
808.2	798.9	784.9	777.9	758.4	758.4	795.0	811.3	809.0	837.0	865.8	117.5°	0.0
567.8	557.0	539.8	535.2	554.6	564.0	580.3	596.6	618.4	650.3	669.0	120°	0.0
416.9	413.0	416.9	428.6	446.5	459.7	484.6	513.4	537.5	563.2	588.1	122.5°	0.0
315.0	322.8	332.9	340.7	354.7	379.6	392.8	424.7	446.5	469.1	497.8	125°	0.0
245.0	249.7	252.0	255.1	266.8	284.7	284.7	317.4	346.2	375.7	399.8	127.5°	0.0
186.7	186.7	178.9	183.6	185.1	183.6	192.9	211.6	230.2	249.7	287.8	130°	0.0
156.4	151.7	149.4	148.6	149.4	152.5	157.9	164.9	168.0	176.6	191.4	132.5°	0.0
138.5	137.7	135.3	135.3	136.9	137.7	143.1	149.4	150.9	153.2	158.7	135°	0.0
122.1	123.7	126.0	125.2	126.0	127.6	131.5	136.9	140.0	140.8	144.7	137.5°	0.0
110.5	112.0	112.8	115.1	115.1	115.9	119.0	124.5	126.8	130.7	134.6	140°	0.0
102.7	103.5	104.2	103.5	104.2	104.2	108.1	113.6	116.7	119.0	121.3	142.5°	0.0
94.1	93.3	93.3	93.3	91.0	90.2	91.8	97.2	98.0	100.3	105.8	145°	0.0
84.0	81.7	80.1	80.1	80.1	80.9	84.8	90.2	91.0	93.3	98.0	147.5°	0.0
74.7	73.9	73.9	74.7	75.5	77.0	80.1	85.6	86.3	88.7	92.6	150°	0.0
70.0	70.0	70.0	70.8	71.6	72.3	76.2	81.7	83.2	85.6	90.2	152.5°	0.0
66.9	67.7	66.9	66.9	67.7	69.2	73.1	79.3	81.7	84.0	88.7	155°	0.0
64.6	64.6	64.6	65.3	65.3	66.9	71.6	77.8	79.3	82.5	89.5	157.5°	0.0
61.5	63.0	62.2	63.0	63.8	65.3	70.0	76.2	78.6	83.2	91.0	160°	0.0
59.9	59.9	59.9	60.7	62.2	63.0	66.9	73.9	77.0	83.2	95.7	162.5°	0.0
59.1	57.6	57.6	58.3	59.9	61.5	65.3	72.3	76.2	82.5	94.9	165°	0.0
58.3	56.0	55.2	56.0	57.6	58.3	63.0	70.0	75.5	80.1	91.8	167.5°	0.0
56.0	54.5	53.7	54.5	56.0	57.6	61.5	68.5	72.3	78.6	87.9	170°	0.0
55.2	52.9	52.9	53.7	55.2	56.0	59.9	66.9	70.8	79.3	90.2	172.5°	0.0
52.1	51.3	51.3	52.1	52.1	53.7	58.3	65.3	68.5	80.9	75.5	175°	0.0
49.8	49.8	49.8	49.8	50.6	51.3	56.8	63.8	65.3	70.0	64.6	177.5°	0.0
48.2	48.2	48.2	48.2	48.2	49.8	54.5	61.5	62.2	61.5	59.1	180°	0.0
45.1	45.1	45.1	45.1	45.9	46.7	51.3	57.6	57.6	56.0	56.0		
42.8	42.0	42.0	42.0	42.0	42.8	47.5	53.7	52.9	52.1	52.1		
38.1	38.1	38.1	38.1	38.1	38.1	42.8	49.0	48.2	47.5	46.7		
33.4	33.4	34.2	33.4	32.7	31.9	36.6	43.6	43.6	42.8	42.0		
28.8	28.0	28.8	28.0	26.4	26.4	30.3	36.6	37.3	36.6	35.0		
23.3	22.6	22.6	22.6	19.4	19.4	23.3	29.6	29.6	28.8	27.2		
17.9	17.1	16.3	15.6	13.2	13.2	16.3	21.8	22.6	19.4	18.7		
9.3	9.3	9.3	7.0	6.2	5.4	8.6	13.2	13.2	10.9	9.3		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'227377  
 IST-AF-1000-LED-E1-SLR-7030

REPORT NUMBER: P227377  
 CATALOG NUMBER: IST-AF-10

**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°	1527.0	1527.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1428.9	1435.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	1154.4	1181.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	872.8	909.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	699.3	724.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	613.7	649.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	526.6	565.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	431.7	479.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	329.8	376.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	231.8	271.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	168.8	186.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	150.1	157.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	140.8	145.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	126.8	131.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	111.2	117.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	103.5	108.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	98.8	99.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	94.9	94.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	92.6	94.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	94.1	104.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	105.8	102.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	108.1	96.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	98.8	92.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	88.7	80.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	79.3	74.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	73.9	72.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	67.7	69.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	63.0	66.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	60.7	63.0
										70°	56.8	58.3
										72.5°	52.9	53.7
										75°	47.5	48.2
										77.5°	42.0	42.0
										80°	34.2	34.2
										82.5°	26.4	25.7
										85°	17.1	16.3
										87.5°	7.8	6.2
										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: P227377  
 CATALOG NUMBER: IST-AF-1000-LED-E1

00-LED-E1-SLR-7030

**tinued):**

**CANDELA DISTRIBUTION (continued):**

225°	230°	235°	240°	245°	250°	255°	260°	265°		215°	220°	225°
1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	110°	0.0	0.0	0.0
1471.0	1492.7	1509.8	1506.7	1543.3	1565.1	1568.2	1590.7	1612.5	112.5°	0.0	0.0	0.0
1203.4	1233.7	1263.3	1285.0	1342.6	1390.1	1426.6	1465.5	1511.4	115°	0.0	0.0	0.0
959.1	984.8	1033.0	1068.0	1128.7	1183.9	1237.6	1299.0	1351.2	117.5°	0.0	0.0	0.0
751.4	784.1	829.2	894.6	949.0	1012.0	1079.7	1138.0	1225.1	120°	0.0	0.0	0.0
675.2	695.4	732.8	763.9	831.5	898.4	974.7	1054.8	1134.9	122.5°	0.0	0.0	0.0
596.6	632.4	667.4	712.5	771.6	844.8	927.2	1013.6	1103.8	125°	0.0	0.0	0.0
520.4	567.8	606.0	655.0	721.1	813.7	921.0	1028.3	1134.1	127.5°	0.0	0.0	0.0
427.1	471.4	538.3	588.1	674.4	790.3	928.0	1076.6	1219.7	130°	0.0	0.0	0.0
336.0	383.5	459.7	533.6	628.5	777.9	956.0	1155.9	1347.3	132.5°	0.0	0.0	0.0
240.4	304.9	380.4	473.7	588.8	770.1	994.1	1253.9	1511.4	135°	0.0	0.0	0.0
179.7	224.8	316.6	418.5	544.5	756.1	1034.6	1344.9	1623.4	137.5°	0.0	0.0	0.0
160.2	192.1	252.0	359.4	490.1	728.9	1064.9	1431.3	1725.3	140°	0.0	0.0	0.0
140.0	164.9	212.4	303.4	441.1	686.9	1078.1	1477.2	1796.1	142.5°	0.0	0.0	0.0
122.9	146.2	194.5	281.6	416.2	639.4	1075.8	1523.1	1884.8	145°	0.0	0.0	0.0
112.0	132.2	186.7	276.1	396.7	595.8	1078.1	1597.0	2016.2	147.5°	0.0	0.0	0.0
103.5	126.8	180.5	264.5	387.4	571.7	1087.5	1662.3	2129.0	150°	0.0	0.0	0.0
103.5	125.2	164.9	248.1	382.7	574.1	1091.4	1712.9	2213.0	152.5°	0.0	0.0	0.0
108.9	117.5	153.2	238.8	385.8	591.2	1086.7	1764.2	2294.7	155°	0.0	0.0	0.0
103.5	109.7	145.5	237.3	385.8	603.6	1100.7	1828.0	2402.1	157.5°	0.0	0.0	0.0
98.0	101.9	143.1	234.9	378.0	615.3	1158.2	1947.0	2542.1	160°	0.0	0.0	0.0
91.0	95.7	140.0	231.0	369.5	630.1	1260.2	2146.9	2773.9	162.5°	0.0	0.0	0.0
82.5	91.8	135.3	224.8	364.0	656.5	1364.4	2349.2	3050.0	165°	0.0	0.0	0.0
79.3	87.9	124.5	210.0	358.6	685.3	1475.6	2542.9	3298.2	167.5°	0.0	0.0	0.0
77.0	84.8	115.1	199.1	353.9	699.3	1509.1	2616.8	3393.8	170°	0.0	0.0	0.0
75.5	83.2	109.7	189.8	348.5	700.1	1533.2	2644.8	3407.9	172.5°	0.0	0.0	0.0
73.1	80.1	98.8	170.4	331.4	699.3	1535.5	2662.7	3367.4	175°	0.0	0.0	0.0
69.2	77.0	99.6	160.2	300.3	666.6	1439.1	2576.3	3206.4	177.5°	0.0	0.0	0.0
66.1	74.7	105.0	162.6	267.6	582.6	1258.6	2307.9	2861.8	180°	0.0	0.0	0.0
61.5	73.1	109.7	168.0	258.3	483.8	952.1	1884.8	2396.6				
56.8	72.3	113.6	171.9	248.1	398.3	659.6	1336.4	1793.8				
51.3	66.1	103.5	146.2	205.4	289.4	424.7	874.3	1236.8				
44.3	52.9	75.5	102.7	150.9	202.2	251.3	528.2	809.0				
36.6	39.7	53.7	66.1	100.3	119.8	139.2	297.9	565.5				
27.2	28.0	36.6	42.0	56.8	66.1	83.2	182.8	458.2				
15.6	17.9	24.9	28.0	34.2	42.0	54.5	116.7	359.4				
6.2	7.8	14.8	16.3	18.7	23.3	30.3	67.7	112.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				



REPORT NUMBER: P227377

CATALOG NUMBER: IST-AF-1000-LED-E1-SLR-7030

-SLR-7030

**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°	1527.0	1527.0	1527.0	1527.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1634.3	1650.6	1664.6	1675.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	1560.4	1598.5	1644.4	1683.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	1428.9	1477.2	1551.9	1597.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	1304.5	1375.3	1457.0	1523.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	1219.7	1307.6	1385.4	1459.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	1196.4	1285.8	1355.8	1423.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	1243.0	1332.5	1392.4	1433.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	1352.7	1448.4	1486.5	1483.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	1502.8	1603.2	1603.2	1572.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	1701.2	1773.5	1733.9	1674.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	1842.0	1909.7	1840.4	1743.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	1958.7	2008.5	1920.6	1803.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	2061.4	2097.9	1982.0	1866.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	2184.3	2197.5	2045.8	1922.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	2320.4	2331.3	2137.6	1983.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	2480.6	2441.7	2205.3	2040.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	2579.4	2515.6	2254.3	2069.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	2657.2	2570.1	2276.8	2087.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	2752.9	2650.2	2316.5	2118.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	2878.9	2761.4	2416.8	2206.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	3137.2	2991.7	2597.3	2359.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	3434.3	3296.6	2885.9	2612.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	3672.3	3579.8	3143.4	2840.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	3760.2	3720.6	3325.4	3034.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	3792.9	3827.1	3421.9	3152.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	3815.5	3964.0	3735.3	3505.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	3768.8	3986.6	3862.1	3721.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	3565.8	3826.3	3802.2	3678.6
								70°	3150.4	3440.5	3524.5	3348.7
								72.5°	2370.2	2730.3	3188.5	2913.1
								75°	1544.1	1877.0	2722.5	2495.4
								77.5°	966.9	1171.5	1942.3	1747.9
								80°	643.3	753.0	1232.9	1122.5
								82.5°	483.8	533.6	847.9	797.3
								85°	255.1	325.1	659.6	836.2
								87.5°	95.7	106.6	496.3	747.5
								90°	0.0	0.0	0.8	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: P227377

CATALOG NUMBER: IST-AF-1000-LED-E1-SLR-7030

**CANDELA DISTRIBUTION (continued):**

290°	295°	300°	305°	310°	315°	320°		270°	275°	280°	285°	290°
1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0	110°	0.0	0.0	0.0	0.0	0.0
1684.9	1698.9	1707.4	1701.2	1711.3	1713.6	1702.8	112.5°	0.0	0.0	0.0	0.0	0.0
1716.0	1754.9	1782.9	1802.3	1810.1	1817.1	1814.0	115°	0.0	0.0	0.0	0.0	0.0
1658.4	1718.3	1770.4	1806.2	1818.7	1828.0	1819.4	117.5°	0.0	0.0	0.0	0.0	0.0
1594.6	1656.9	1705.9	1741.7	1740.9	1750.2	1733.9	120°	0.0	0.0	0.0	0.0	0.0
1534.7	1595.4	1639.0	1637.4	1626.5	1599.3	1594.6	122.5°	0.0	0.0	0.0	0.0	0.0
1487.3	1519.2	1530.1	1527.7	1496.6	1481.1	1478.7	125°	0.0	0.0	0.0	0.0	0.0
1464.0	1462.4	1437.5	1410.3	1380.7	1379.2	1358.9	127.5°	0.0	0.0	0.0	0.0	0.0
1467.8	1417.3	1371.4	1324.7	1292.8	1285.8	1288.2	130°	0.0	0.0	0.0	0.0	0.0
1516.8	1427.4	1341.0	1293.6	1256.3	1245.4	1250.0	132.5°	0.0	0.0	0.0	0.0	0.0
1578.3	1458.5	1351.2	1278.8	1248.5	1235.3	1237.6	135°	0.0	0.0	0.0	0.0	0.0
1619.5	1494.3	1384.6	1295.2	1253.9	1241.5	1249.3	137.5°	0.0	0.0	0.0	0.0	0.0
1672.4	1543.3	1429.7	1337.2	1275.7	1259.4	1264.8	140°	0.0	0.0	0.0	0.0	0.0
1724.5	1596.2	1493.5	1388.5	1313.8	1283.5	1292.0	142.5°	0.0	0.0	0.0	0.0	0.0
1780.5	1657.6	1554.2	1458.5	1370.6	1323.2	1334.0	145°	0.0	0.0	0.0	0.0	0.0
1845.9	1729.2	1640.5	1552.6	1462.4	1422.7	1427.4	147.5°	0.0	0.0	0.0	0.0	0.0
1908.9	1799.2	1742.4	1677.1	1624.2	1563.5	1563.5	150°	0.0	0.0	0.0	0.0	0.0
1946.2	1890.2	1874.7	1856.0	1824.9	1781.3	1772.0	152.5°	0.0	0.0	0.0	0.0	0.0
1992.1	1998.3	2034.1	2071.5	2080.8	2038.0	2024.8	155°	0.0	0.0	0.0	0.0	0.0
2078.5	2143.8	2261.3	2363.2	2383.4	2418.4	2378.0	157.5°	0.0	0.0	0.0	0.0	0.0
2199.8	2320.4	2518.7	2685.2	2732.7	2735.8	2738.9	160°	0.0	0.0	0.0	0.0	0.0
2338.3	2511.0	2773.1	2971.5	3056.3	3078.8	3062.5	162.5°	0.0	0.0	0.0	0.0	0.0
2575.5	2731.9	3018.9	3232.8	3341.7	3394.6	3380.6	165°	0.0	0.0	0.0	0.0	0.0
2810.4	3004.9	3257.7	3468.5	3584.4	3643.5	3656.0	167.5°	0.0	0.0	0.0	0.0	0.0
2970.7	3152.7	3386.1	3580.5	3694.9	3765.7	3771.9	170°	0.0	0.0	0.0	0.0	0.0
3068.7	3235.2	3463.1	3634.2	3748.6	3808.5	3830.2	172.5°	0.0	0.0	0.0	0.0	0.0
3365.8	3396.2	3551.8	3664.5	3744.7	3771.9	3788.2	175°	0.0	0.0	0.0	0.0	0.0
3505.1	3378.3	3360.4	3430.4	3437.4	3419.5	3397.0	177.5°	0.0	0.0	0.0	0.0	0.0
3311.4	3015.0	2905.3	2896.0	2867.2	2855.6	2784.0	180°	0.0	0.0	0.0	0.0	0.0
2875.8	2448.7	2255.0	2150.0	2213.8	2211.5	2138.4						
2423.1	1988.2	1737.0	1586.1	1567.4	1564.3	1500.5						
1968.0	1560.4	1340.3	1267.2	1179.3	1152.8	1163.7						
1418.8	1113.9	1067.2	1123.2	1130.2	1110.0	1096.0						
893.8	837.8	882.9	984.8	1044.7	1018.2	1028.3						
745.2	659.6	662.7	770.1	810.5	816.8	795.8						
826.9	660.4	541.4	528.2	514.2	323.6	450.4						
745.2	511.1	301.0	248.1	152.5	87.9	91.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						



REPORT NUMBER: P227377

CATALOG NUMBER: IST-AF-1000-LED-E1-SLR-7030

**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°	1527.0	1527.0	1527.0	1527.0	1527.0	1527.0
0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1700.4	1685.6	1669.3	1647.5	1651.4	1625.0
0.0	0.0	0.0	0.0	0.0	0.0	5°	1789.9	1764.2	1729.2	1684.9	1643.6	1590.7
0.0	0.0	0.0	0.0	0.0	0.0	7.5°	1780.5	1739.3	1681.0	1614.1	1559.6	1483.4
0.0	0.0	0.0	0.0	0.0	0.0	10°	1700.4	1646.8	1599.3	1530.1	1459.3	1392.4
0.0	0.0	0.0	0.0	0.0	0.0	12.5°	1588.4	1558.1	1516.8	1464.7	1396.3	1327.8
0.0	0.0	0.0	0.0	0.0	0.0	15°	1466.3	1468.6	1443.7	1429.7	1395.5	1341.0
0.0	0.0	0.0	0.0	0.0	0.0	17.5°	1365.9	1389.3	1402.5	1424.3	1428.2	1401.7
0.0	0.0	0.0	0.0	0.0	0.0	20°	1299.0	1331.7	1372.9	1432.8	1495.8	1523.1
0.0	0.0	0.0	0.0	0.0	0.0	22.5°	1261.7	1302.2	1368.3	1477.2	1592.3	1661.5
0.0	0.0	0.0	0.0	0.0	0.0	25°	1254.7	1308.4	1400.9	1534.0	1683.3	1780.5
0.0	0.0	0.0	0.0	0.0	0.0	27.5°	1266.4	1336.4	1446.1	1597.7	1744.8	1885.6
0.0	0.0	0.0	0.0	0.0	0.0	30°	1303.7	1385.4	1505.2	1668.5	1821.0	1961.0
0.0	0.0	0.0	0.0	0.0	0.0	32.5°	1339.5	1440.6	1572.9	1732.3	1885.6	2024.8
0.0	0.0	0.0	0.0	0.0	0.0	35°	1397.1	1499.0	1634.3	1781.3	1929.9	2087.8
0.0	0.0	0.0	0.0	0.0	0.0	37.5°	1485.0	1574.4	1682.5	1819.4	1974.2	2137.6
0.0	0.0	0.0	0.0	0.0	0.0	40°	1610.2	1669.3	1739.3	1847.4	1996.0	2171.0
0.0	0.0	0.0	0.0	0.0	0.0	42.5°	1797.7	1810.1	1834.2	1890.2	2015.5	2209.9
0.0	0.0	0.0	0.0	0.0	0.0	45°	2039.6	2002.2	1981.2	1973.5	2059.0	2234.8
0.0	0.0	0.0	0.0	0.0	0.0	47.5°	2320.4	2247.3	2163.3	2122.8	2143.0	2274.5
0.0	0.0	0.0	0.0	0.0	0.0	50°	2686.0	2567.0	2402.1	2285.4	2275.3	2391.2
0.0	0.0	0.0	0.0	0.0	0.0	52.5°	3021.2	2865.7	2658.0	2520.3	2464.3	2609.0
0.0	0.0	0.0	0.0	0.0	0.0	55°	3337.8	3218.1	2983.1	2812.0	2792.6	2897.6
0.0	0.0	0.0	0.0	0.0	0.0	57.5°	3615.5	3512.1	3320.0	3096.7	3104.5	3206.4
0.0	0.0	0.0	0.0	0.0	0.0	59°	3759.4	3673.1	3495.0	3267.8	3284.9	3425.0
0.0	0.0	0.0	0.0	0.0	0.0	60°	3810.8	3738.4	3568.9	3377.5	3399.3	3544.8
0.0	0.0	0.0	0.0	0.0	0.0	62.5°	3806.9	3760.2	3637.3	3547.1	3658.3	3764.9
0.0	0.0	0.0	0.0	0.0	0.0	65°	3443.6	3372.8	3358.8	3516.8	3731.4	3834.1
0.0	0.0	0.0	0.0	0.0	0.0	67.5°	2738.9	2772.3	2905.3	3176.8	3537.0	3686.3
						70°	2034.1	2093.2	2270.6	2611.3	3106.0	3364.3
						72.5°	1495.8	1555.0	1718.3	2091.7	2555.3	2784.0
						75°	1173.8	1191.7	1309.2	1602.4	2013.9	2201.4
						77.5°	1084.4	1030.7	982.5	1139.6	1358.2	1519.2
						80°	1009.7	907.8	794.2	841.7	894.6	1065.7
						82.5°	784.1	716.4	627.7	688.4	713.3	718.8
						85°	458.9	408.4	517.3	732.8	725.0	634.7
						87.5°	161.8	210.0	236.5	406.0	490.8	424.7
						90°	0.0	2.3	7.0	7.8	11.7	3.9
						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



REPORT NUMBER: P227377

CATALOG NUMBER: IST-AF-1000-LED-E1-SLR-7030

**CANDELA DISTRIBUTION (continued):**

355°	359°	360°		325°	330°	335°	340°	345°	350°	355°
1527.0	1527.0	1527.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1604.0	1582.2	1580.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1548.7	1499.7	1484.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1417.3	1360.5	1348.8	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1306.8	1243.8	1232.9	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1250.0	1190.1	1176.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1271.8	1205.7	1198.7	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1353.5	1283.5	1286.6	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1493.5	1448.4	1437.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1677.1	1628.1	1614.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1833.4	1808.5	1799.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1946.2	1957.9	1948.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2036.5	2075.4	2070.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2129.0	2204.5	2207.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2197.5	2330.5	2357.7	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2285.4	2463.5	2491.5	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2352.3	2561.5	2595.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2417.6	2642.4	2679.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2471.3	2722.5	2760.7	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2532.0	2800.3	2837.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2640.9	2922.5	2966.8	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2875.0	3148.8	3211.8	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3213.4	3461.5	3511.3	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3518.3	3673.9	3687.1	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3643.5	3732.2	3728.3	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3735.3	3746.2	3724.4	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3785.1	3681.7	3644.3	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3655.2	3511.3	3462.3	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3280.3	3204.0	3148.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2790.2	2597.3	2560.8								
2115.0	1860.7	1806.2								
1478.0	1173.0	1099.1								
971.6	753.0	725.0								
630.1	500.2	491.6								
439.5	328.3	302.6								
269.9	109.7	105.0								
84.0	50.6	45.1								
2.3	3.1	3.1								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
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359°	360°
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