

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: P227399

Luminaire Tested: **IST-AF-1200-LED-E1-SLR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227399
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-1200-LED-E1-SLR
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6078.4 lumens
Efficiency: N/A
Efficacy: 92.1 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): 66
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

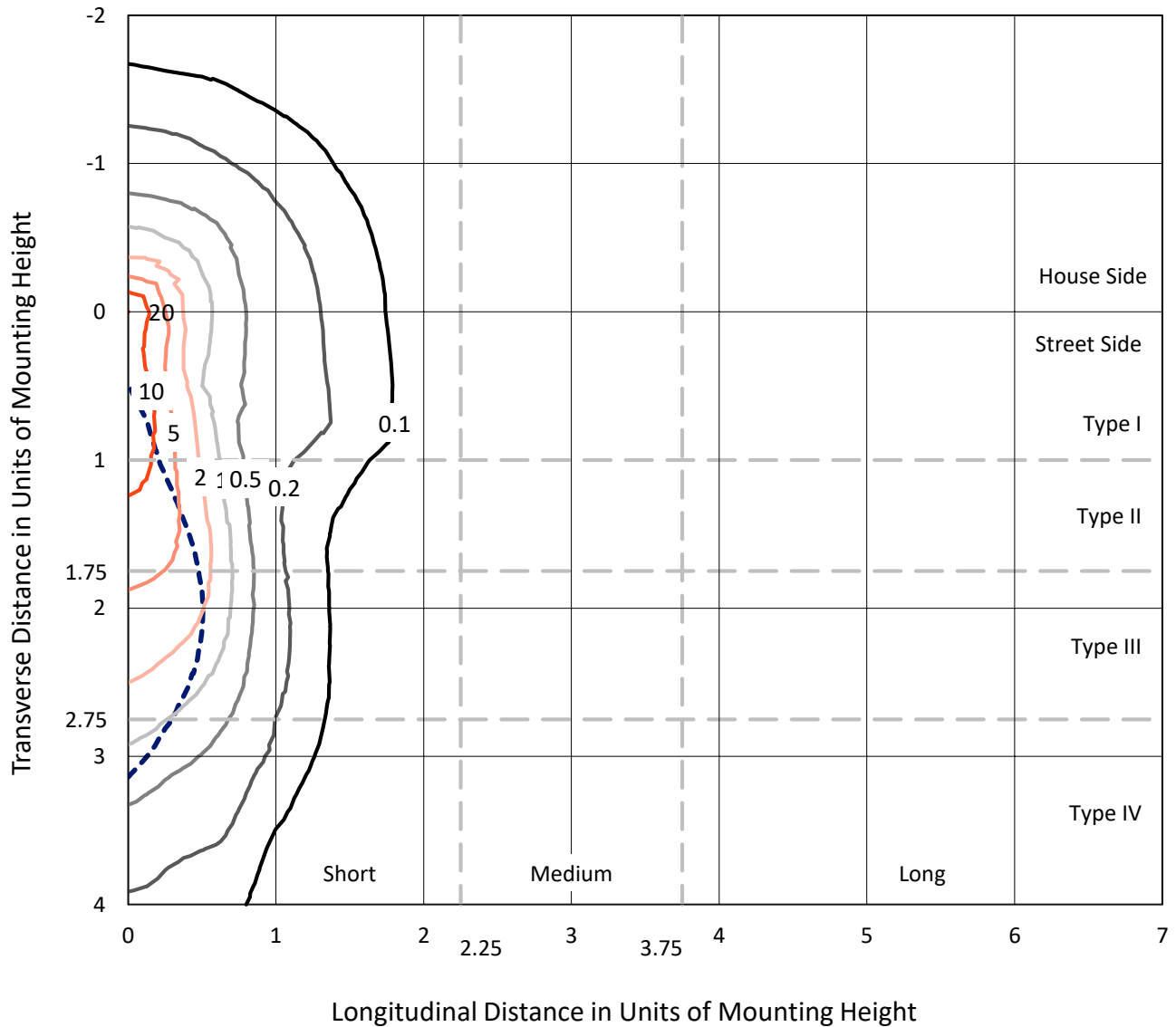


REPORT NUMBER: P227399

CATALOG NUMBER: IST-AF-1200-LED-E1-SLR

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

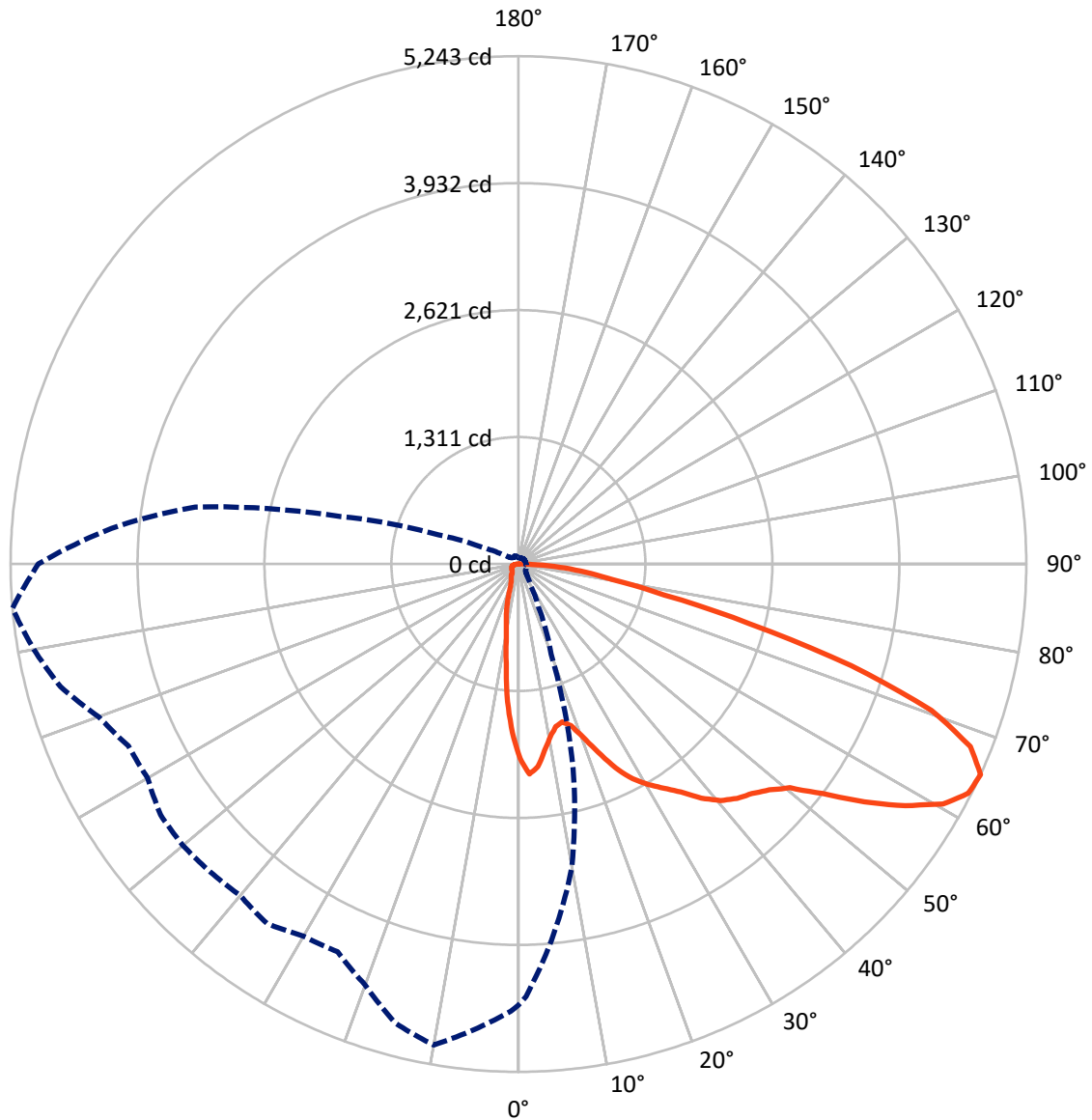


Based on 10 foot mounting height. Maximum calculated value = 20.1 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P227399

CATALOG NUMBER: IST-AF-1200-LED-E1-SLR

Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P227399

CATALOG NUMBER: IST-AF-1200-LED-E1-SLR

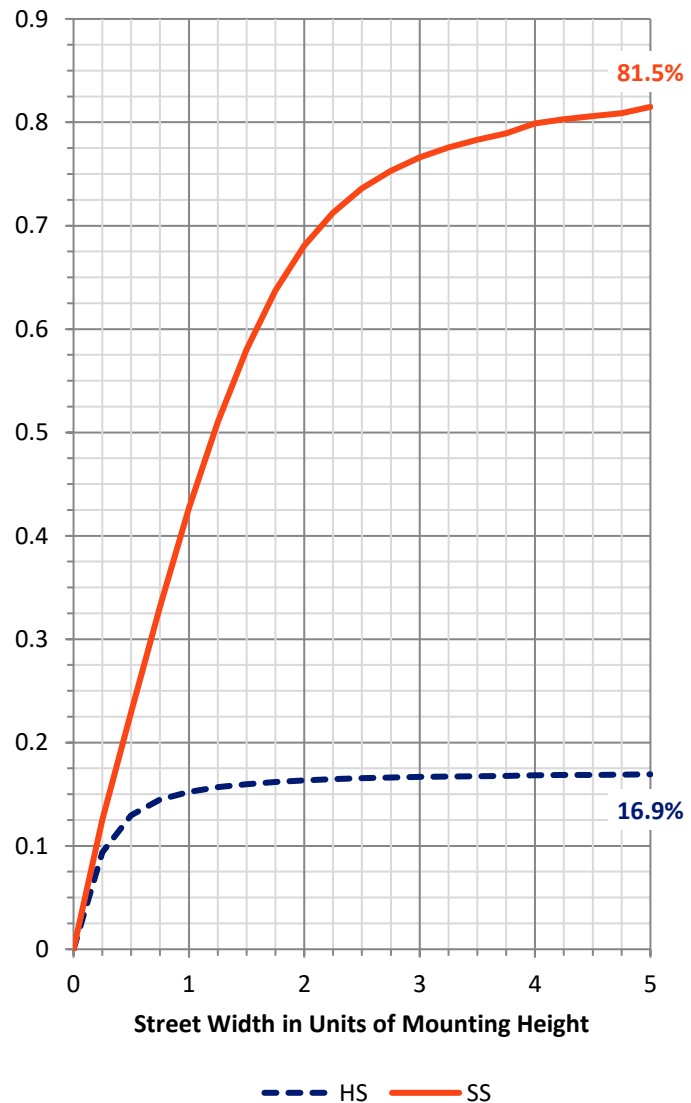
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1042.6	0.0	1042.7
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	5035.5	0.2	5035.7
	% Fixture	82.8	0.0	82.8
Total	Lumens	6078.1	0.3	6078.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.8	2.4
10°-20°	286.3	4.7
20°-30°	408.2	6.7
30°-40°	592.1	9.7
40°-50°	847.1	13.9
50°-60°	1300.6	21.4
60°-70°	1505.4	24.8
70°-80°	768.0	12.6
80°-90°	221.6	3.6
90°-100°	0.3	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°	6078.1	100.0
0°-180°	6078.4	100.0



REPORT NUMBER: P227399

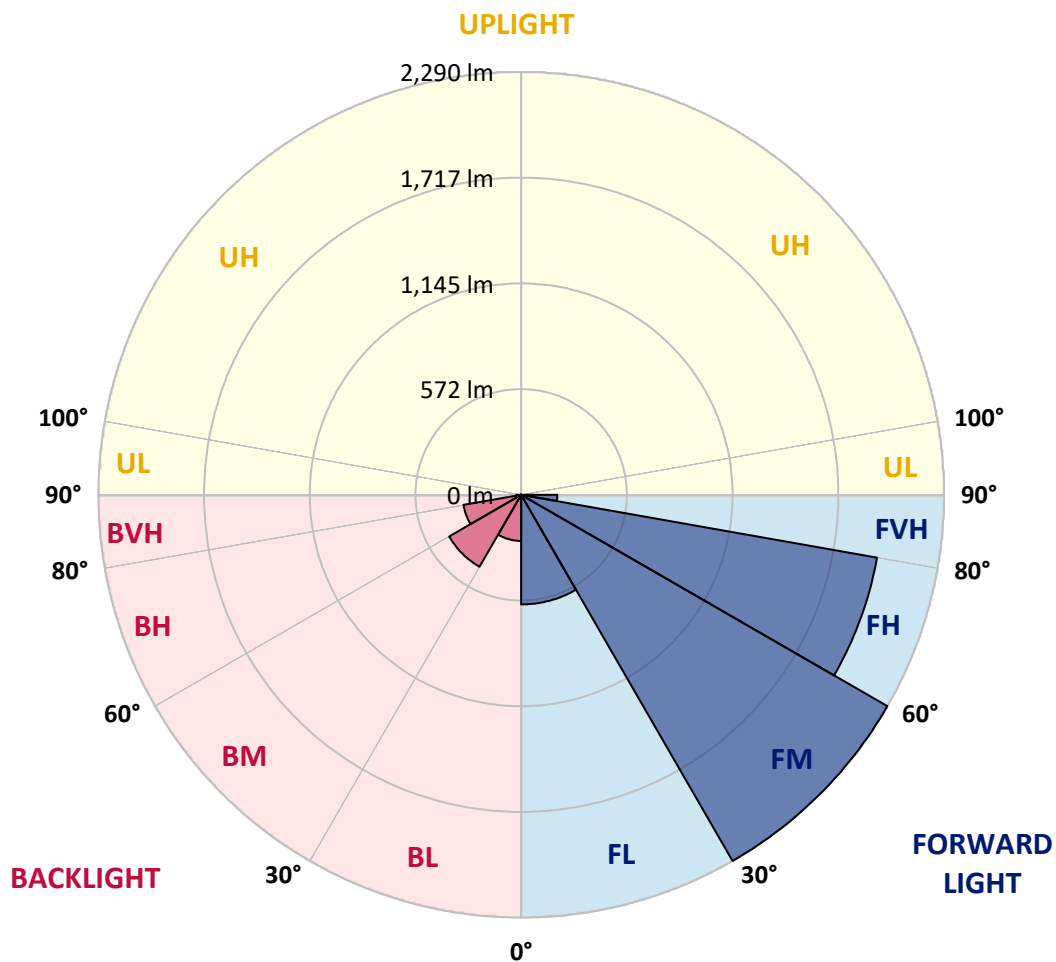
CATALOG NUMBER: IST-AF-1200-LED-E1-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	593.6	9.8			
FM (30°-60°)	2289.7	37.7			
FH (60°-80°)	1956.3	32.2			G2/5000
FVH (80°-90°)	195.9	3.2			G2/225
BL (0°-30°)	249.6	4.1	B1/500		
BM (30°-60°)	450.2	7.4	B1/1000		
BH (60°-80°)	317.1	5.2	B1/500		G1/500
BVH (80°-90°)	25.8	0.4			G1/100
UL (90°-100°)	0.3	0.0		U1/10	
UH (100°-180°)	0.0	0.0		U1/10	

BUG Rating: B1-U1-G2

Type IV Short





REPORT NUMBER: P227399

CATALOG NUMBER: IST-AF-1200-LED-E1-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1
2.5°	2078.6	2066.4	2051.0	2024.4	2000.9	1967.1	1959.0	1917.0	1890.4	1896.6	1848.5
5°	1951.8	1944.6	1906.8	1847.4	1808.6	1731.9	1687.9	1665.4	1601.9	1593.8	1576.4
7.5°	1773.8	1752.3	1690.9	1617.3	1550.8	1494.5	1423.9	1369.7	1321.7	1292.0	1239.8
10°	1621.4	1598.9	1532.4	1442.4	1362.6	1283.8	1226.5	1155.9	1087.4	1034.2	992.3
12.5°	1547.7	1523.2	1445.4	1341.1	1252.1	1153.9	1073.1	1003.5	965.7	939.1	904.3
15°	1576.4	1540.6	1447.5	1322.7	1212.2	1107.9	1021.9	947.3	902.2	861.3	820.4
17.5°	1692.0	1648.0	1541.6	1391.2	1237.8	1102.7	980.0	895.1	823.5	762.1	706.9
20°	1890.4	1857.7	1703.2	1492.5	1293.0	1105.8	944.2	832.7	745.7	668.0	594.3
22.5°	2122.6	2073.5	1922.1	1629.6	1363.6	1124.2	921.7	780.5	677.2	572.9	493.1
25°	2366.1	2328.2	2127.7	1813.7	1472.0	1162.1	904.3	734.5	596.4	480.8	392.8
27.5°	2562.5	2528.7	2330.3	1990.7	1571.3	1194.8	878.7	690.5	531.9	392.8	295.6
30°	2723.1	2694.5	2486.8	2135.9	1692.0	1206.1	842.9	639.3	460.3	317.1	244.5
32.5°	2903.1	2871.4	2637.2	2237.2	1746.2	1195.8	802.0	591.3	403.0	280.3	209.7
35°	3100.6	3063.7	2804.9	2346.6	1791.2	1160.0	767.2	556.5	375.4	254.7	186.2
37.5°	3276.5	3253.0	2956.3	2455.1	1842.3	1100.7	733.5	518.6	357.0	236.3	167.8
40°	3413.6	3407.4	3124.1	2545.1	1882.2	1057.7	705.8	489.0	333.5	229.1	161.6
42.5°	3524.1	3522.0	3261.2	2625.9	1892.5	1019.9	684.4	462.4	312.0	211.8	164.7
45°	3630.5	3629.4	3394.2	2738.4	1899.6	1021.9	668.0	446.0	293.6	200.5	155.5
47.5°	3731.7	3747.1	3533.3	2895.0	1975.3	1056.7	661.8	430.7	279.3	188.2	147.3
50°	3901.5	3886.2	3753.2	3106.7	2097.0	1124.2	651.6	417.4	266.0	177.0	139.1
52.5°	4223.8	4206.4	4087.7	3390.1	2230.0	1193.8	638.3	399.0	250.6	164.7	129.9
55°	4617.6	4641.1	4476.4	3734.8	2411.1	1252.1	624.0	374.4	230.2	150.4	123.8
57.5°	4848.8	4829.4	4641.1	3933.2	2522.6	1281.8	614.8	345.8	198.5	138.1	117.6
59°	4903.0	4870.3	4613.5	3967.0	2552.3	1267.4	609.7	318.1	182.1	132.0	114.6
60°	4897.9	4858.0	4569.5	3945.5	2560.4	1250.0	601.5	301.8	172.9	128.9	113.5
62.5°	4792.5	4730.1	4319.9	3685.7	2445.9	1163.1	567.7	262.9	160.6	124.8	107.4
65°	4553.2	4465.2	3900.5	3178.3	2183.0	990.2	491.0	248.6	163.7	122.8	103.3
67.5°	4139.9	4069.3	3361.4	2630.0	1740.0	799.9	424.5	242.4	167.8	124.8	97.2
70°	3367.6	3307.2	2622.8	1969.2	1303.2	636.3	385.7	239.4	164.7	119.7	92.1
72.5°	2375.3	2271.0	1743.1	1378.9	826.5	511.5	334.5	226.1	160.6	115.6	83.9
75°	1445.4	1464.9	1107.9	1004.5	521.7	350.9	262.9	190.3	142.2	103.3	75.7
77.5°	953.4	952.4	817.3	708.9	264.9	217.9	186.2	146.3	111.5	84.9	65.5
80°	646.5	653.7	593.3	483.9	147.3	130.9	121.7	106.4	81.8	64.4	54.2
82.5°	397.9	399.0	459.3	362.1	98.2	82.9	77.7	71.6	58.3	50.1	41.9
85°	138.1	141.2	160.6	255.7	66.5	54.2	54.2	50.1	44.0	33.8	27.6
87.5°	59.3	58.3	69.6	69.6	32.7	27.6	25.6	25.6	24.6	18.4	15.3
90°	4.1	3.1	3.1	4.1	5.1	7.2	6.1	7.2	7.2	6.1	4.1
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



REPORT NUMBER: P227399

CATALOG NUMBER: IST-AF-1200-LED-E1-SLR

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



REPORT NUMBER: P227399

CATALOG NUMBER: IST-AF-1200-LED-E1-SLR

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1
2.5°	1834.2	1822.9	1791.2	1783.0	1793.2	1772.8	1767.7	1762.5	1724.7	1744.1	1721.6
5°	1533.4	1530.3	1465.9	1479.2	1465.9	1443.4	1434.2	1455.7	1417.8	1426.0	1431.1
7.5°	1178.4	1166.2	1123.2	1094.6	1077.2	1061.8	1042.4	1010.7	1035.2	1030.1	1069.0
10°	956.5	929.9	903.3	863.4	840.9	819.4	796.9	784.6	756.0	752.9	739.6
12.5°	876.7	838.8	805.1	770.3	746.8	703.8	668.0	645.5	627.1	598.4	576.9
15°	770.3	738.6	694.6	660.8	624.0	585.1	550.3	521.7	508.4	481.8	469.5
17.5°	662.9	614.8	561.6	527.8	476.7	436.8	408.2	389.7	370.3	353.9	339.6
20°	534.0	471.6	414.3	371.3	331.4	292.6	279.3	256.8	248.6	242.4	247.6
22.5°	406.1	341.7	282.3	249.6	228.1	217.9	206.6	202.5	199.5	198.5	200.5
25°	297.7	243.5	214.8	202.5	194.4	188.2	184.1	181.1	179.0	178.0	179.0
27.5°	230.2	201.5	187.2	179.0	172.9	168.8	166.7	163.7	162.6	161.6	162.6
30°	199.5	184.1	173.9	165.7	158.6	151.4	148.3	147.3	148.3	149.4	148.3
32.5°	173.9	162.6	151.4	144.2	139.1	135.0	135.0	133.0	133.0	136.1	137.1
35°	157.5	146.3	138.1	128.9	122.8	118.7	115.6	113.5	114.6	114.6	117.6
37.5°	144.2	136.1	128.9	120.7	114.6	110.5	108.4	106.4	105.4	104.3	104.3
40°	135.0	129.9	123.8	115.6	109.5	105.4	103.3	101.3	100.2	99.2	99.2
42.5°	135.0	124.8	120.7	113.5	106.4	102.3	99.2	97.2	95.1	95.1	95.1
45°	148.3	127.9	120.7	112.5	105.4	100.2	97.2	94.1	92.1	92.1	91.0
47.5°	144.2	143.2	122.8	112.5	106.4	100.2	96.2	93.1	91.0	90.0	89.0
50°	137.1	149.4	137.1	115.6	106.4	99.2	95.1	92.1	89.0	88.0	88.0
52.5°	133.0	139.1	142.2	119.7	107.4	99.2	94.1	91.0	89.0	87.0	85.9
55°	122.8	130.9	136.1	117.6	107.4	97.2	92.1	89.0	85.9	84.9	83.9
57.5°	112.5	118.7	130.9	117.6	104.3	96.2	90.0	85.9	83.9	82.9	81.8
59°	109.5	109.5	116.6	120.7	102.3	95.1	89.0	84.9	82.9	81.8	79.8
60°	106.4	106.4	110.5	123.8	101.3	94.1	88.0	83.9	80.8	80.8	79.8
62.5°	102.3	99.2	101.3	115.6	98.2	92.1	85.9	81.8	78.8	78.8	77.7
65°	97.2	93.1	93.1	96.2	92.1	88.0	83.9	79.8	75.7	75.7	76.7
67.5°	92.1	88.0	87.0	87.0	84.9	83.9	79.8	75.7	73.7	73.7	73.7
70°	84.9	81.8	80.8	78.8	78.8	77.7	74.7	71.6	69.6	70.6	69.6
72.5°	76.7	74.7	72.6	72.6	71.6	70.6	67.5	65.5	64.4	65.5	65.5
75°	68.5	65.5	65.5	63.4	63.4	62.4	59.3	58.3	57.3	58.3	59.3
77.5°	58.3	56.3	55.2	55.2	55.2	55.2	51.1	50.1	50.1	52.2	52.2
80°	48.1	47.1	46.0	46.0	46.0	45.0	43.0	41.9	41.9	43.0	44.0
82.5°	36.8	34.8	34.8	35.8	36.8	36.8	33.8	31.7	31.7	33.8	35.8
85°	24.6	24.6	24.6	25.6	25.6	26.6	24.6	21.5	22.5	23.5	26.6
87.5°	13.3	14.3	13.3	12.3	14.3	13.3	13.3	12.3	13.3	14.3	15.3
90°	4.1	4.1	3.1	2.0	1.0	2.0	2.0	3.1	1.0	1.0	2.0
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



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CATALOG NUMBER: IST-AF-1200-LED-E1-SLR

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: P227399

CATALOG NUMBER: IST-AF-1200-LED-E1-SLR

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1
2.5°	1742.1	1724.7	1715.5	1751.3	1748.2	1717.5	1717.5	1739.0	1740.0	1721.6	1743.1
5°	1437.2	1419.9	1436.2	1421.9	1430.1	1429.1	1441.3	1418.8	1428.0	1419.9	1400.4
7.5°	1065.9	1100.7	1119.1	1095.6	1125.2	1140.6	1119.1	1140.6	1106.8	1079.2	1105.8
10°	733.5	772.3	765.2	803.0	817.3	825.5	840.9	821.4	797.9	790.7	771.3
12.5°	568.8	560.6	557.5	572.9	582.1	568.8	580.0	567.7	555.5	534.0	533.0
15°	445.0	431.7	422.5	405.1	399.0	402.0	407.1	407.1	382.6	383.6	392.8
17.5°	337.6	334.5	327.3	313.0	303.8	306.9	305.9	300.7	297.7	299.7	311.0
20°	253.7	250.6	254.7	258.8	255.7	256.8	252.7	247.6	245.5	247.6	249.6
22.5°	200.5	204.6	209.7	215.8	216.9	222.0	221.0	222.0	217.9	215.8	210.7
25°	183.1	185.2	182.1	183.1	183.1	188.2	187.2	187.2	183.1	182.1	183.1
27.5°	161.6	160.6	160.6	162.6	162.6	165.7	167.8	165.7	161.6	160.6	161.6
30°	149.4	148.3	147.3	148.3	147.3	148.3	150.4	150.4	148.3	145.3	146.3
32.5°	137.1	137.1	136.1	137.1	136.1	136.1	138.1	135.0	135.0	134.0	134.0
35°	120.7	122.8	124.8	125.8	125.8	125.8	127.9	124.8	123.8	122.8	122.8
37.5°	104.3	106.4	112.5	115.6	116.6	118.7	119.7	117.6	115.6	113.5	111.5
40°	99.2	99.2	101.3	105.4	109.5	110.5	112.5	109.5	108.4	105.4	102.3
42.5°	95.1	96.2	96.2	97.2	98.2	100.2	103.3	100.2	98.2	96.2	93.1
45°	92.1	92.1	92.1	92.1	91.0	91.0	92.1	90.0	89.0	88.0	88.0
47.5°	90.0	89.0	88.0	87.0	85.9	84.9	84.9	82.9	82.9	82.9	82.9
50°	88.0	85.9	84.9	83.9	81.8	81.8	81.8	79.8	78.8	78.8	79.8
52.5°	84.9	83.9	82.9	81.8	80.8	79.8	79.8	77.7	76.7	76.7	76.7
55°	83.9	82.9	80.8	79.8	78.8	79.8	78.8	77.7	75.7	75.7	75.7
57.5°	80.8	81.8	80.8	78.8	78.8	78.8	78.8	76.7	75.7	73.7	74.7
59°	79.8	80.8	79.8	78.8	77.7	78.8	78.8	75.7	74.7	73.7	73.7
60°	78.8	79.8	78.8	77.7	77.7	78.8	77.7	76.7	74.7	71.6	72.6
62.5°	77.7	77.7	76.7	76.7	75.7	76.7	75.7	73.7	71.6	69.6	68.5
65°	75.7	75.7	74.7	74.7	73.7	73.7	73.7	71.6	69.6	67.5	67.5
67.5°	74.7	73.7	72.6	72.6	71.6	71.6	71.6	69.6	66.5	65.5	64.4
70°	70.6	69.6	69.6	68.5	67.5	68.5	69.6	66.5	63.4	61.4	60.4
72.5°	66.5	65.5	65.5	64.4	64.4	65.5	66.5	63.4	59.3	57.3	56.3
75°	60.4	59.3	59.3	59.3	59.3	61.4	61.4	58.3	55.2	52.2	50.1
77.5°	52.2	53.2	53.2	53.2	53.2	55.2	55.2	53.2	50.1	48.1	45.0
80°	45.0	45.0	46.0	46.0	47.1	47.1	46.0	45.0	44.0	41.9	37.8
82.5°	37.8	37.8	37.8	37.8	37.8	36.8	34.8	36.8	36.8	34.8	31.7
85°	29.7	29.7	29.7	30.7	30.7	27.6	24.6	24.6	27.6	26.6	24.6
87.5°	17.4	17.4	18.4	21.5	19.4	18.4	15.3	16.4	15.3	17.4	14.3
90°	4.1	3.1	3.1	1.0	2.0	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: P227399
 CATALOG NUMBER: IST-AF-1200-LED-E1-SLR

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: P227399
 NUMBER: IST-AF-1200-LED-E1-SLR

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

160°	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	110°	160°
2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	110°	0.0
1745.2	1749.2	1758.5	1755.4	1789.1	1778.9	1802.4	1834.2	1863.8	1849.5	1853.6	112.5°	0.0
1435.2	1440.3	1401.4	1425.0	1459.8	1445.4	1440.3	1487.4	1476.1	1529.3	1485.3	115°	0.0
1062.8	1050.6	1032.2	1023.0	997.4	997.4	1045.5	1066.9	1063.9	1100.7	1138.5	117.5°	0.0
746.8	732.4	709.9	703.8	729.4	741.6	763.1	784.6	813.2	855.2	879.7	120°	0.0
548.3	543.2	548.3	563.6	587.2	604.6	637.3	675.1	706.9	740.6	773.4	122.5°	0.0
414.3	424.5	437.8	448.1	466.5	499.2	516.6	558.5	587.2	616.8	654.7	125°	0.0
322.2	328.4	331.4	335.5	350.9	374.4	374.4	417.4	455.2	494.1	525.8	127.5°	0.0
245.5	245.5	235.3	241.4	243.5	241.4	253.7	278.2	302.8	328.4	378.5	130°	0.0
205.6	199.5	196.4	195.4	196.4	200.5	207.7	216.9	221.0	232.2	251.6	132.5°	0.0
182.1	181.1	178.0	178.0	180.0	181.1	188.2	196.4	198.5	201.5	208.7	135°	0.0
160.6	162.6	165.7	164.7	165.7	167.8	172.9	180.0	184.1	185.2	190.3	137.5°	0.0
145.3	147.3	148.3	151.4	151.4	152.4	156.5	163.7	166.7	171.9	177.0	140°	0.0
135.0	136.1	137.1	136.1	137.1	137.1	142.2	149.4	153.4	156.5	159.6	142.5°	0.0
123.8	122.8	122.8	122.8	119.7	118.7	120.7	127.9	128.9	132.0	139.1	145°	0.0
110.5	107.4	105.4	105.4	105.4	106.4	111.5	118.7	119.7	122.8	128.9	147.5°	0.0
98.2	97.2	97.2	98.2	99.2	101.3	105.4	112.5	113.5	116.6	121.7	150°	0.0
92.1	92.1	92.1	93.1	94.1	95.1	100.2	107.4	109.5	112.5	118.7	152.5°	0.0
88.0	89.0	88.0	88.0	89.0	91.0	96.2	104.3	107.4	110.5	116.6	155°	0.0
84.9	84.9	84.9	85.9	85.9	88.0	94.1	102.3	104.3	108.4	117.6	157.5°	0.0
80.8	82.9	81.8	82.9	83.9	85.9	92.1	100.2	103.3	109.5	119.7	160°	0.0
78.8	78.8	78.8	79.8	81.8	82.9	88.0	97.2	101.3	109.5	125.8	162.5°	0.0
77.7	75.7	75.7	76.7	78.8	80.8	85.9	95.1	100.2	108.4	124.8	165°	0.0
76.7	73.7	72.6	73.7	75.7	76.7	82.9	92.1	99.2	105.4	120.7	167.5°	0.0
73.7	71.6	70.6	71.6	73.7	75.7	80.8	90.0	95.1	103.3	115.6	170°	0.0
72.6	69.6	69.6	70.6	72.6	73.7	78.8	88.0	93.1	104.3	118.7	172.5°	0.0
68.5	67.5	67.5	68.5	68.5	70.6	76.7	85.9	90.0	106.4	99.2	175°	0.0
65.5	65.5	65.5	65.5	66.5	67.5	74.7	83.9	85.9	92.1	84.9	177.5°	0.0
63.4	63.4	63.4	63.4	63.4	65.5	71.6	80.8	81.8	80.8	77.7	180°	0.0
59.3	59.3	59.3	59.3	60.4	61.4	67.5	75.7	75.7	73.7	73.7		
56.3	55.2	55.2	55.2	55.2	56.3	62.4	70.6	69.6	68.5	68.5		
50.1	50.1	50.1	50.1	50.1	50.1	56.3	64.4	63.4	62.4	61.4		
44.0	44.0	45.0	44.0	43.0	41.9	48.1	57.3	57.3	56.3	55.2		
37.8	36.8	37.8	36.8	34.8	34.8	39.9	48.1	49.1	48.1	46.0		
30.7	29.7	29.7	29.7	25.6	25.6	30.7	38.9	38.9	37.8	35.8		
23.5	22.5	21.5	20.5	17.4	17.4	21.5	28.6	29.7	25.6	24.6		
12.3	12.3	12.3	9.2	8.2	7.2	11.3	17.4	17.4	14.3	12.3		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'227399
 IST-AF-1200-LED-E1-SLR

REPORT NUMBER: P227399
 CATALOG NUMBER: IST-AF-12

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°	2008.1	2008.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1879.2	1888.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	1518.1	1553.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	1147.8	1195.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	919.6	952.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	807.1	854.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	692.5	743.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	567.7	630.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	433.7	495.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	304.8	357.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	222.0	245.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	197.4	206.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	185.2	191.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	166.7	172.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	146.3	154.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	136.1	142.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	129.9	130.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	124.8	124.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	121.7	124.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	123.8	137.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	139.1	135.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	142.2	126.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	129.9	121.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	116.6	106.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	104.3	98.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	97.2	95.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	89.0	91.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	82.9	87.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	79.8	82.9
										70°	74.7	76.7
										72.5°	69.6	70.6
										75°	62.4	63.4
										77.5°	55.2	55.2
										80°	45.0	45.0
										82.5°	34.8	33.8
										85°	22.5	21.5
										87.5°	10.2	8.2
										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: P227399

CATALOG NUMBER: IST-AF-1200-LED-E1

00-LED-E1-SLR

tinued):

CANDELA DISTRIBUTION (continued):

225°	230°	235°	240°	245°	250°	255°	260°	265°		215°	220°	225°
2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	110°	0.0	0.0	0.0
1934.4	1963.0	1985.5	1981.5	2029.5	2058.2	2062.3	2091.9	2120.6	112.5°	0.0	0.0	0.0
1582.5	1622.4	1661.3	1689.9	1765.6	1828.0	1876.1	1927.2	1987.6	115°	0.0	0.0	0.0
1261.3	1295.1	1358.5	1404.5	1484.3	1556.9	1627.5	1708.3	1776.9	117.5°	0.0	0.0	0.0
988.2	1031.1	1090.5	1176.4	1248.0	1330.9	1419.9	1496.6	1611.1	120°	0.0	0.0	0.0
887.9	914.5	963.6	1004.5	1093.5	1181.5	1281.8	1387.1	1492.5	122.5°	0.0	0.0	0.0
784.6	831.7	877.7	937.0	1014.8	1110.9	1219.4	1332.9	1451.6	125°	0.0	0.0	0.0
684.4	746.8	796.9	861.3	948.3	1070.0	1211.2	1352.3	1491.5	127.5°	0.0	0.0	0.0
561.6	619.9	707.9	773.4	886.9	1039.3	1220.4	1415.8	1604.0	130°	0.0	0.0	0.0
441.9	504.3	604.6	701.7	826.5	1023.0	1257.2	1520.1	1771.8	132.5°	0.0	0.0	0.0
316.1	401.0	500.2	623.0	774.4	1012.7	1307.3	1649.0	1987.6	135°	0.0	0.0	0.0
236.3	295.6	416.3	550.3	716.1	994.3	1360.5	1768.7	2134.9	137.5°	0.0	0.0	0.0
210.7	252.7	331.4	472.6	644.5	958.5	1400.4	1882.2	2268.9	140°	0.0	0.0	0.0
184.1	216.9	279.3	399.0	580.0	903.3	1417.8	1942.6	2362.0	142.5°	0.0	0.0	0.0
161.6	192.3	255.7	370.3	547.3	840.9	1414.7	2002.9	2478.6	145°	0.0	0.0	0.0
147.3	173.9	245.5	363.1	521.7	783.6	1417.8	2100.1	2651.5	147.5°	0.0	0.0	0.0
136.1	166.7	237.3	347.8	509.4	751.9	1430.1	2186.0	2799.8	150°	0.0	0.0	0.0
136.1	164.7	216.9	326.3	503.3	754.9	1435.2	2252.5	2910.3	152.5°	0.0	0.0	0.0
143.2	154.5	201.5	314.0	507.4	777.4	1429.1	2320.1	3017.7	155°	0.0	0.0	0.0
136.1	144.2	191.3	312.0	507.4	793.8	1447.5	2403.9	3158.9	157.5°	0.0	0.0	0.0
128.9	134.0	188.2	308.9	497.2	809.2	1523.2	2560.4	3343.0	160°	0.0	0.0	0.0
119.7	125.8	184.1	303.8	485.9	828.6	1657.2	2823.3	3647.8	162.5°	0.0	0.0	0.0
108.4	120.7	178.0	295.6	478.7	863.4	1794.3	3089.3	4011.0	165°	0.0	0.0	0.0
104.3	115.6	163.7	276.2	471.6	901.2	1940.5	3344.0	4337.3	167.5°	0.0	0.0	0.0
101.3	111.5	151.4	261.9	465.4	919.6	1984.5	3441.2	4463.1	170°	0.0	0.0	0.0
99.2	109.5	144.2	249.6	458.3	920.7	2016.2	3478.0	4481.5	172.5°	0.0	0.0	0.0
96.2	105.4	129.9	224.0	435.8	919.6	2019.3	3501.6	4428.4	175°	0.0	0.0	0.0
91.0	101.3	130.9	210.7	394.9	876.7	1892.5	3388.0	4216.6	177.5°	0.0	0.0	0.0
87.0	98.2	138.1	213.8	351.9	766.2	1655.1	3035.1	3763.4	180°	0.0	0.0	0.0
80.8	96.2	144.2	221.0	339.6	636.3	1252.1	2478.6	3151.7				
74.7	95.1	149.4	226.1	326.3	523.8	867.5	1757.4	2358.9				
67.5	87.0	136.1	192.3	270.1	380.5	558.5	1149.8	1626.5				
58.3	69.6	99.2	135.0	198.5	266.0	330.4	694.6	1063.9				
48.1	52.2	70.6	87.0	132.0	157.5	183.1	391.8	743.7				
35.8	36.8	48.1	55.2	74.7	87.0	109.5	240.4	602.5				
20.5	23.5	32.7	36.8	45.0	55.2	71.6	153.4	472.6				
8.2	10.2	19.4	21.5	24.6	30.7	39.9	89.0	147.3				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	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: P227399

CATALOG NUMBER: IST-AF-1200-LED-E1-SLR

-SLR

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°	2008.1	2008.1	2008.1	2008.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	2149.2	2170.7	2189.1	2203.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	2052.0	2102.2	2162.5	2213.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	1879.2	1942.6	2040.8	2101.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	1715.5	1808.6	1916.0	2002.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	1604.0	1719.6	1821.9	1919.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	1573.3	1690.9	1783.0	1872.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	1634.7	1752.3	1831.1	1885.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	1778.9	1904.7	1954.9	1950.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	1976.3	2108.3	2108.3	2067.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	2237.2	2332.3	2280.2	2202.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	2422.3	2511.3	2420.3	2292.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	2575.8	2641.3	2525.7	2371.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	2710.8	2758.9	2606.5	2454.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	2872.4	2889.8	2690.4	2527.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	3051.5	3065.8	2811.1	2608.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	3262.2	3211.0	2900.1	2683.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	3392.1	3308.2	2964.5	2722.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	3494.4	3379.8	2994.2	2744.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	3620.2	3485.2	3046.3	2785.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	3785.9	3631.5	3178.3	2901.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	4125.6	3934.3	3415.6	3102.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	4516.3	4335.3	3795.1	3435.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	4829.4	4707.6	4133.7	3735.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	4944.9	4892.8	4373.1	3990.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	4987.9	5032.9	4500.0	4146.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	5017.6	5213.0	4912.2	4610.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	4956.2	5242.6	5079.0	4893.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	4689.2	5031.9	5000.2	4837.5
								70°	4143.0	4524.5	4635.0	4403.8
								72.5°	3116.9	3590.6	4193.1	3831.0
								75°	2030.6	2468.4	3580.3	3281.6
								77.5°	1271.5	1540.6	2554.3	2298.6
								80°	846.0	990.2	1621.4	1476.1
								82.5°	636.3	701.7	1115.0	1048.5
								85°	335.5	427.6	867.5	1099.7
								87.5°	125.8	140.1	652.6	983.1
								90°	0.0	0.0	1.0	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: P227399

CATALOG NUMBER: IST-AF-1200-LED-E1-SLR

CANDELA DISTRIBUTION (continued):

290°	295°	300°	305°	310°	315°	320°		270°	275°	280°	285°	290°
2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1	110°	0.0	0.0	0.0	0.0	0.0
2215.7	2234.1	2245.4	2237.2	2250.5	2253.6	2239.2	112.5°	0.0	0.0	0.0	0.0	0.0
2256.6	2307.8	2344.6	2370.2	2380.4	2389.6	2385.5	115°	0.0	0.0	0.0	0.0	0.0
2180.9	2259.7	2328.2	2375.3	2391.7	2403.9	2392.7	117.5°	0.0	0.0	0.0	0.0	0.0
2097.0	2178.9	2243.3	2290.4	2289.4	2301.6	2280.2	120°	0.0	0.0	0.0	0.0	0.0
2018.3	2098.1	2155.4	2153.3	2139.0	2103.2	2097.0	122.5°	0.0	0.0	0.0	0.0	0.0
1955.9	1997.8	2012.1	2009.1	1968.2	1947.7	1944.6	125°	0.0	0.0	0.0	0.0	0.0
1925.2	1923.1	1890.4	1854.6	1815.7	1813.7	1787.1	127.5°	0.0	0.0	0.0	0.0	0.0
1930.3	1863.8	1803.5	1742.1	1700.1	1690.9	1694.0	130°	0.0	0.0	0.0	0.0	0.0
1994.8	1877.1	1763.6	1701.2	1652.1	1637.7	1643.9	132.5°	0.0	0.0	0.0	0.0	0.0
2075.6	1918.0	1776.9	1681.7	1641.8	1624.4	1627.5	135°	0.0	0.0	0.0	0.0	0.0
2129.8	1965.1	1820.9	1703.2	1649.0	1632.6	1642.9	137.5°	0.0	0.0	0.0	0.0	0.0
2199.3	2029.5	1880.2	1758.5	1677.6	1656.2	1663.3	140°	0.0	0.0	0.0	0.0	0.0
2267.9	2099.1	1964.1	1826.0	1727.8	1687.9	1699.1	142.5°	0.0	0.0	0.0	0.0	0.0
2341.5	2179.9	2043.9	1918.0	1802.4	1740.0	1754.4	145°	0.0	0.0	0.0	0.0	0.0
2427.5	2274.0	2157.4	2041.8	1923.1	1871.0	1877.1	147.5°	0.0	0.0	0.0	0.0	0.0
2510.3	2366.1	2291.4	2205.5	2135.9	2056.1	2056.1	150°	0.0	0.0	0.0	0.0	0.0
2559.4	2485.8	2465.3	2440.8	2399.8	2342.6	2330.3	152.5°	0.0	0.0	0.0	0.0	0.0
2619.8	2628.0	2675.0	2724.1	2736.4	2680.1	2662.7	155°	0.0	0.0	0.0	0.0	0.0
2733.3	2819.3	2973.7	3107.7	3134.3	3180.4	3127.2	157.5°	0.0	0.0	0.0	0.0	0.0
2892.9	3051.5	3312.3	3531.2	3593.6	3597.7	3601.8	160°	0.0	0.0	0.0	0.0	0.0
3075.0	3302.1	3646.8	3907.7	4019.2	4048.8	4027.4	162.5°	0.0	0.0	0.0	0.0	0.0
3387.0	3592.6	3970.1	4251.4	4394.6	4464.2	4445.7	165°	0.0	0.0	0.0	0.0	0.0
3695.9	3951.7	4284.1	4561.3	4713.8	4791.5	4807.9	167.5°	0.0	0.0	0.0	0.0	0.0
3906.6	4146.0	4452.9	4708.6	4859.0	4952.1	4960.3	170°	0.0	0.0	0.0	0.0	0.0
4035.5	4254.5	4554.2	4779.2	4929.6	5008.4	5037.0	172.5°	0.0	0.0	0.0	0.0	0.0
4426.3	4466.2	4670.8	4819.1	4924.5	4960.3	4981.8	175°	0.0	0.0	0.0	0.0	0.0
4609.4	4442.7	4419.1	4511.2	4520.4	4496.9	4467.2	177.5°	0.0	0.0	0.0	0.0	0.0
4354.7	3965.0	3820.7	3808.4	3770.6	3755.3	3661.1	180°	0.0	0.0	0.0	0.0	0.0
3781.8	3220.2	2965.5	2827.4	2911.3	2908.2	2812.1						
3186.5	2614.7	2284.2	2085.8	2061.2	2057.2	1973.3						
2588.1	2052.0	1762.5	1666.4	1550.8	1516.0	1530.3						
1865.9	1464.9	1403.5	1477.1	1486.3	1459.8	1441.3						
1175.4	1101.7	1161.0	1295.1	1373.8	1339.0	1352.3						
980.0	867.5	871.6	1012.7	1065.9	1074.1	1046.5						
1087.4	868.5	712.0	694.6	676.2	425.5	592.3						
980.0	672.1	395.9	326.3	200.5	115.6	119.7						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	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: P227399

CATALOG NUMBER: IST-AF-1200-LED-E1-SLR

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°	2008.1	2008.1	2008.1	2008.1	2008.1	2008.1
0.0	0.0	0.0	0.0	0.0	0.0	2.5°	2236.2	2216.7	2195.3	2166.6	2171.7	2136.9
0.0	0.0	0.0	0.0	0.0	0.0	5°	2353.8	2320.1	2274.0	2215.7	2161.5	2091.9
0.0	0.0	0.0	0.0	0.0	0.0	7.5°	2341.5	2287.3	2210.6	2122.6	2051.0	1950.8
0.0	0.0	0.0	0.0	0.0	0.0	10°	2236.2	2165.6	2103.2	2012.1	1919.1	1831.1
0.0	0.0	0.0	0.0	0.0	0.0	12.5°	2088.9	2049.0	1994.8	1926.2	1836.2	1746.2
0.0	0.0	0.0	0.0	0.0	0.0	15°	1928.3	1931.3	1898.6	1880.2	1835.2	1763.6
0.0	0.0	0.0	0.0	0.0	0.0	17.5°	1796.3	1827.0	1844.4	1873.0	1878.1	1843.4
0.0	0.0	0.0	0.0	0.0	0.0	20°	1708.3	1751.3	1805.5	1884.3	1967.1	2002.9
0.0	0.0	0.0	0.0	0.0	0.0	22.5°	1659.2	1712.4	1799.4	1942.6	2094.0	2185.0
0.0	0.0	0.0	0.0	0.0	0.0	25°	1650.0	1720.6	1842.3	2017.3	2213.7	2341.5
0.0	0.0	0.0	0.0	0.0	0.0	27.5°	1665.4	1757.4	1901.7	2101.1	2294.5	2479.6
0.0	0.0	0.0	0.0	0.0	0.0	30°	1714.5	1821.9	1979.4	2194.2	2394.7	2578.9
0.0	0.0	0.0	0.0	0.0	0.0	32.5°	1761.5	1894.5	2068.4	2278.1	2479.6	2662.7
0.0	0.0	0.0	0.0	0.0	0.0	35°	1837.2	1971.2	2149.2	2342.6	2537.9	2745.6
0.0	0.0	0.0	0.0	0.0	0.0	37.5°	1952.8	2070.5	2212.6	2392.7	2596.2	2811.1
0.0	0.0	0.0	0.0	0.0	0.0	40°	2117.5	2195.3	2287.3	2429.5	2624.9	2855.1
0.0	0.0	0.0	0.0	0.0	0.0	42.5°	2364.0	2380.4	2412.1	2485.8	2650.5	2906.2
0.0	0.0	0.0	0.0	0.0	0.0	45°	2682.2	2633.1	2605.5	2595.2	2707.8	2938.9
0.0	0.0	0.0	0.0	0.0	0.0	47.5°	3051.5	2955.3	2844.8	2791.6	2818.2	2991.1
0.0	0.0	0.0	0.0	0.0	0.0	50°	3532.2	3375.7	3158.9	3005.4	2992.1	3144.6
0.0	0.0	0.0	0.0	0.0	0.0	52.5°	3973.1	3768.6	3495.4	3314.4	3240.7	3431.0
0.0	0.0	0.0	0.0	0.0	0.0	55°	4389.5	4231.9	3923.0	3698.0	3672.4	3810.5
0.0	0.0	0.0	0.0	0.0	0.0	57.5°	4754.7	4618.6	4366.0	4072.4	4082.6	4216.6
0.0	0.0	0.0	0.0	0.0	0.0	59°	4943.9	4830.4	4596.1	4297.4	4319.9	4504.1
0.0	0.0	0.0	0.0	0.0	0.0	60°	5011.4	4916.3	4693.3	4441.7	4470.3	4661.6
0.0	0.0	0.0	0.0	0.0	0.0	62.5°	5006.3	4944.9	4783.3	4664.7	4810.9	4951.1
0.0	0.0	0.0	0.0	0.0	0.0	65°	4528.6	4435.5	4417.1	4624.8	4907.1	5042.1
0.0	0.0	0.0	0.0	0.0	0.0	67.5°	3601.8	3645.8	3820.7	4177.7	4651.4	4847.8
						70°	2675.0	2752.8	2986.0	3434.0	4084.6	4424.3
						72.5°	1967.1	2044.9	2259.7	2750.7	3360.4	3661.1
						75°	1543.6	1567.2	1721.6	2107.3	2648.4	2895.0
						77.5°	1426.0	1355.4	1292.0	1498.6	1786.1	1997.8
						80°	1327.8	1193.8	1044.4	1106.8	1176.4	1401.4
						82.5°	1031.1	942.1	825.5	905.3	938.0	945.2
						85°	603.5	537.0	680.3	963.6	953.4	834.7
						87.5°	212.8	276.2	311.0	534.0	645.5	558.5
						90°	0.0	3.1	9.2	10.2	15.3	5.1
						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: P227399
 CATALOG NUMBER: IST-AF-1200-LED-E1-SLR

CANDELA DISTRIBUTION (continued):

355°	359°	360°		325°	330°	335°	340°	345°	350°	355°
2008.1	2008.1	2008.1	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2109.3	2080.7	2078.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2036.7	1972.2	1951.8	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1863.8	1789.1	1773.8	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1718.6	1635.7	1621.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1643.9	1565.1	1547.7	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1672.5	1585.6	1576.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1779.9	1687.9	1692.0	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1964.1	1904.7	1890.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2205.5	2141.0	2122.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2411.1	2378.4	2366.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2559.4	2574.8	2562.5	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2678.1	2729.2	2723.1	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2799.8	2899.0	2903.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2889.8	3064.8	3100.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3005.4	3239.7	3276.5	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3093.4	3368.6	3413.6	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3179.3	3475.0	3524.1	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3249.9	3580.3	3630.5	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3329.7	3682.6	3731.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3472.9	3843.2	3901.5	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3780.8	4140.9	4223.8	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4225.8	4552.1	4617.6	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4626.8	4831.4	4848.8	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4791.5	4908.1	4903.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4912.2	4926.5	4897.9	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4977.7	4841.6	4792.5	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4806.8	4617.6	4553.2	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4313.8	4213.5	4139.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3669.3	3415.6	3367.6								
2781.4	2446.9	2375.3								
1943.6	1542.6	1445.4								
1277.7	990.2	953.4								
828.6	657.8	646.5								
578.0	431.7	397.9								
355.0	144.2	138.1								
110.5	66.5	59.3								
3.1	4.1	4.1								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								

