

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: P227371

Luminaire Tested: **IST-AF-1200-LED-E1-SLR-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P227371  
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-8030  
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (16) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4848.7 lumens  
Efficiency: N/A  
Efficacy: 73.5 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

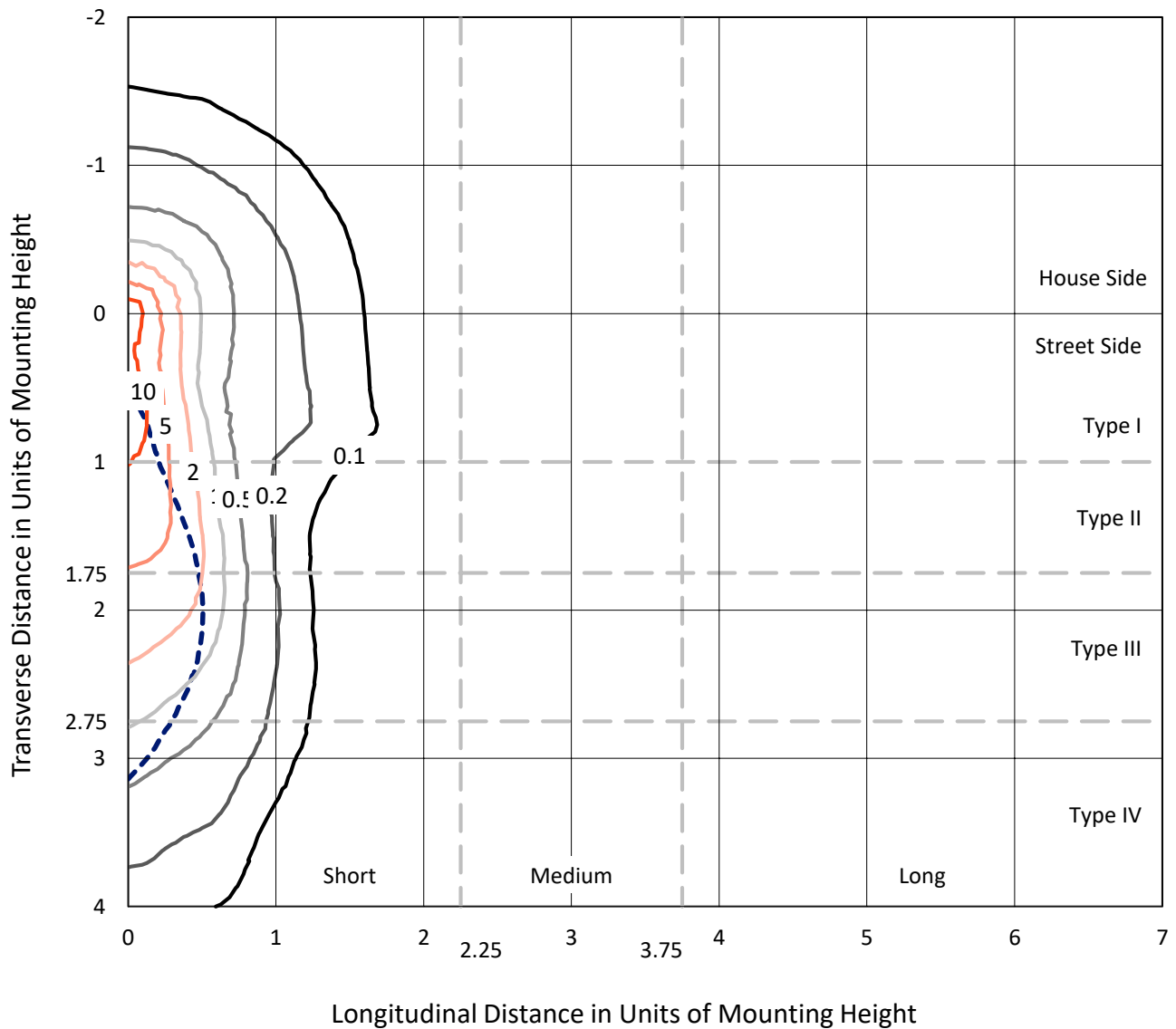
Input Watts (W): 66  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P227371  
 CATALOG NUMBER: IST-AF-1200-LED-E1-SLR-8030

### Iso-Footcandle Lines of Horizontal Illumination

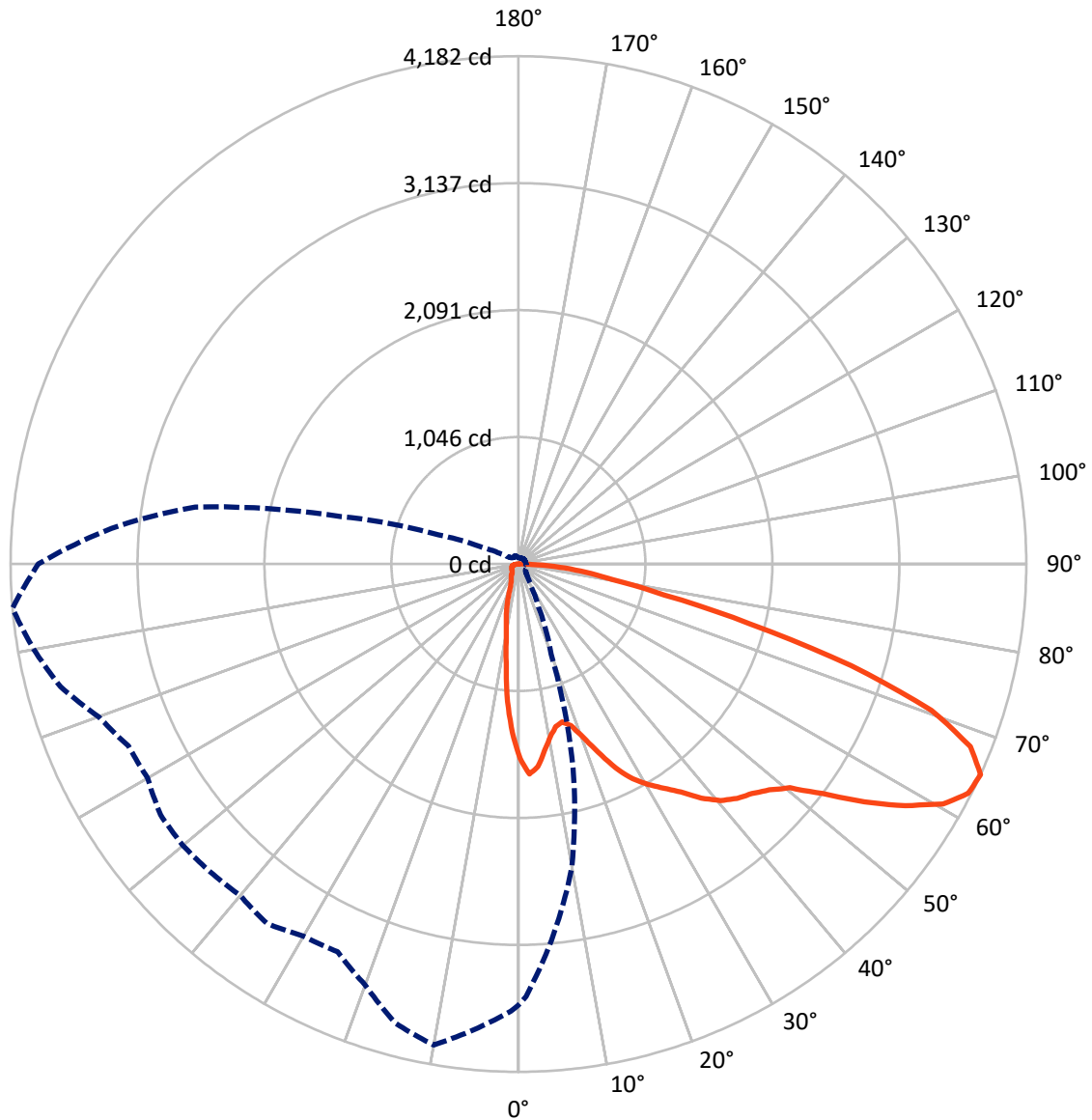
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P227371  
CATALOG NUMBER: IST-AF-1200-LED-E1-SLR-8030

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P227371

CATALOG NUMBER: IST-AF-1200-LED-E1-SLR-8030

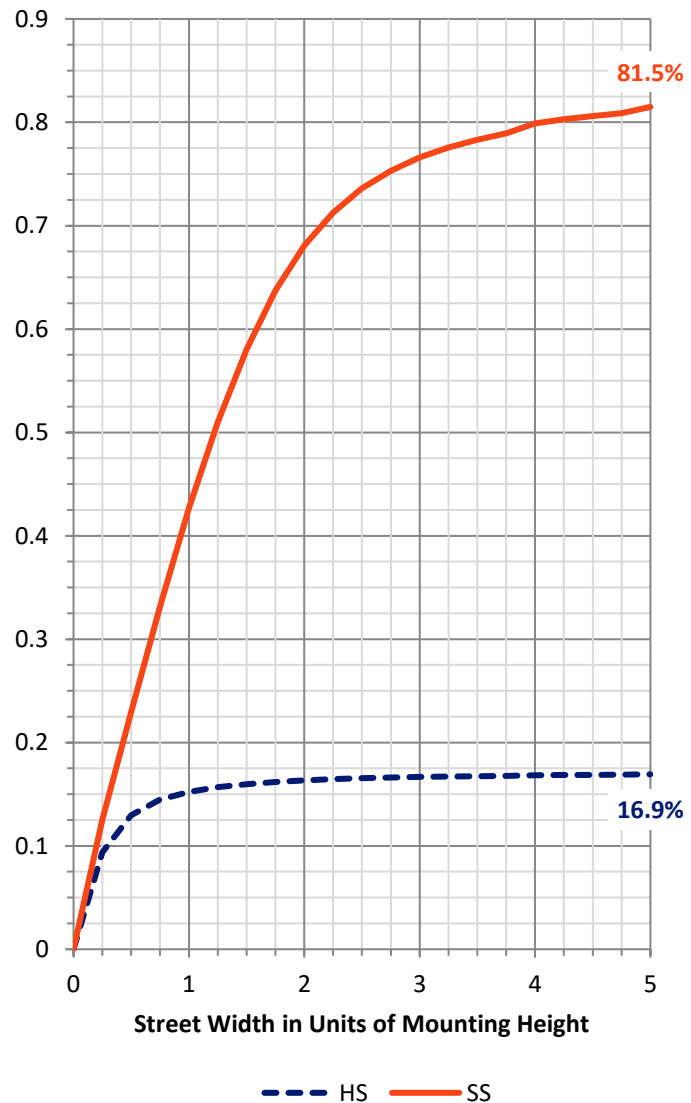
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	831.7	0.0	831.7
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	4016.8	0.2	4016.9
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	4848.5	0.2	4848.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.7	2.4
10°-20°	228.3	4.7
20°-30°	325.6	6.7
30°-40°	472.3	9.7
40°-50°	675.7	13.9
50°-60°	1037.5	21.4
60°-70°	1200.9	24.8
70°-80°	612.6	12.6
80°-90°	176.8	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°	4848.5	100.0
0°-180°	4848.7	100.0



REPORT NUMBER: P227371

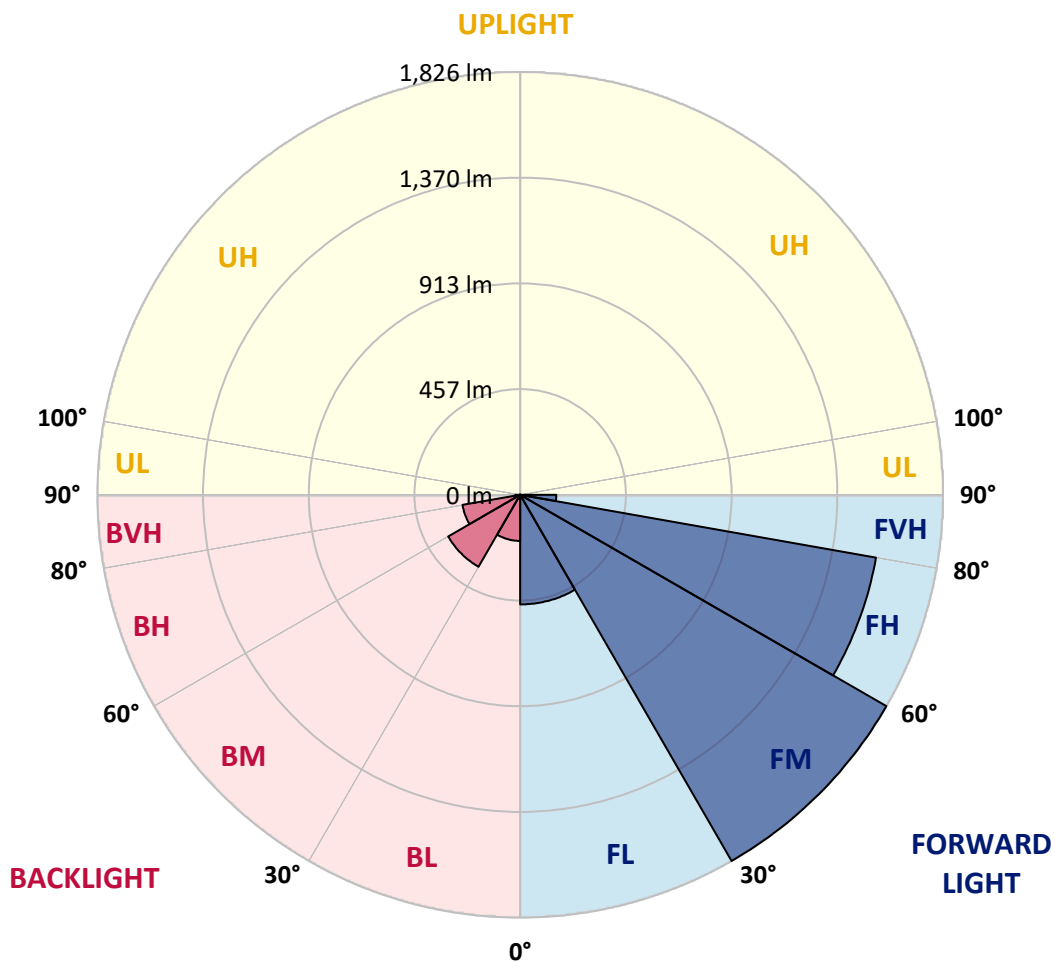
CATALOG NUMBER: IST-AF-1200-LED-E1-SLR-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	473.5	9.8			
FM	(30°-60°)	1826.4	37.7			
FH	(60°-80°)	1560.5	32.2			G1/1800
FVH	(80°-90°)	156.3	3.2			G2/225
BL	(0°-30°)	199.1	4.1	B1/500		
BM	(30°-60°)	359.1	7.4	B1/1000		
BH	(60°-80°)	253.0	5.2	B1/500		G1/500
BVH	(80°-90°)	20.6	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





REPORT NUMBER: P227371

CATALOG NUMBER: IST-AF-1200-LED-E1-SLR-8030

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8
2.5°	1658.1	1648.3	1636.1	1614.9	1596.1	1569.2	1562.6	1529.2	1508.0	1512.9	1474.5
5°	1556.9	1551.2	1521.0	1473.7	1442.7	1381.5	1346.4	1328.4	1277.9	1271.3	1257.5
7.5°	1414.9	1397.8	1348.8	1290.1	1237.1	1192.2	1135.9	1092.6	1054.3	1030.6	989.0
10°	1293.4	1275.4	1222.4	1150.6	1086.9	1024.1	978.4	922.1	867.4	825.0	791.5
12.5°	1234.6	1215.0	1153.0	1069.8	998.8	920.4	856.0	800.5	770.3	749.1	721.3
15°	1257.5	1228.9	1154.6	1055.1	967.0	883.7	815.2	755.6	719.7	687.1	654.4
17.5°	1349.7	1314.6	1229.7	1109.8	987.4	879.6	781.7	714.0	656.9	607.9	563.9
20°	1508.0	1481.9	1358.6	1190.5	1031.4	882.1	753.2	664.2	594.9	532.8	474.1
22.5°	1693.2	1654.0	1533.3	1299.9	1087.7	896.8	735.2	622.6	540.2	457.0	393.3
25°	1887.4	1857.2	1697.3	1446.8	1174.2	927.0	721.3	585.9	475.7	383.5	313.3
27.5°	2044.1	2017.1	1858.8	1587.9	1253.4	953.1	700.9	550.8	424.3	313.3	235.8
30°	2172.2	2149.3	1983.7	1703.8	1349.7	962.1	672.4	510.0	367.2	253.0	195.0
32.5°	2315.8	2290.5	2103.6	1784.6	1392.9	953.9	639.7	471.6	321.5	223.6	167.3
35°	2473.3	2443.9	2237.5	1871.9	1428.8	925.3	612.0	443.9	299.5	203.2	148.5
37.5°	2613.6	2594.9	2358.2	1958.4	1469.6	878.0	585.1	413.7	284.8	188.5	133.8
40°	2723.0	2718.1	2492.1	2030.2	1501.4	843.7	563.0	390.0	266.0	182.8	128.9
42.5°	2811.1	2809.5	2601.4	2094.7	1509.6	813.6	545.9	368.8	248.9	168.9	131.4
45°	2896.0	2895.2	2707.5	2184.4	1515.3	815.2	532.8	355.8	234.2	159.9	124.0
47.5°	2976.8	2989.0	2818.5	2309.3	1575.7	842.9	528.0	343.5	222.8	150.1	117.5
50°	3112.2	3100.0	2993.9	2478.2	1672.8	896.8	519.8	332.9	212.2	141.2	111.0
52.5°	3369.3	3355.4	3260.7	2704.2	1778.9	952.3	509.2	318.2	199.9	131.4	103.6
55°	3683.4	3702.2	3570.8	2979.2	1923.3	998.8	497.8	298.7	183.6	120.0	98.7
57.5°	3867.8	3852.3	3702.2	3137.5	2012.3	1022.4	490.4	275.8	158.3	110.2	93.8
59°	3911.1	3885.0	3680.2	3164.4	2035.9	1011.0	486.3	253.8	145.2	105.3	91.4
60°	3907.0	3875.2	3645.1	3147.3	2042.4	997.2	479.8	240.7	137.9	102.8	90.6
62.5°	3823.0	3773.2	3446.0	2940.0	1951.1	927.8	452.9	209.7	128.1	99.6	85.7
65°	3632.0	3561.8	3111.4	2535.3	1741.3	789.9	391.7	198.3	130.6	97.9	82.4
67.5°	3302.3	3246.0	2681.4	2097.9	1388.0	638.1	338.6	193.4	133.8	99.6	77.5
70°	2686.3	2638.1	2092.2	1570.8	1039.6	507.6	307.6	190.9	131.4	95.5	73.4
72.5°	1894.7	1811.5	1390.5	1100.0	659.3	408.0	266.8	180.3	128.1	92.2	66.9
75°	1153.0	1168.5	883.7	801.3	416.2	279.9	209.7	151.8	113.4	82.4	60.4
77.5°	760.5	759.7	652.0	565.5	211.3	173.8	148.5	116.7	88.9	67.7	52.2
80°	515.7	521.4	473.3	386.0	117.5	104.4	97.1	84.9	65.3	51.4	43.2
82.5°	317.4	318.2	366.4	288.9	78.3	66.1	62.0	57.1	46.5	40.0	33.5
85°	110.2	112.6	128.1	204.0	53.0	43.2	43.2	40.0	35.1	26.9	22.0
87.5°	47.3	46.5	55.5	55.5	26.1	22.0	20.4	20.4	19.6	14.7	12.2
90°	3.3	2.4	2.4	3.3	4.1	5.7	4.9	5.7	5.7	4.9	3.3
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227371

CATALOG NUMBER: IST-AF-1200-LED-E1-SLR-8030

**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: P227371

CATALOG NUMBER: IST-AF-1200-LED-E1-SLR-8030

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8
2.5°	1463.1	1454.1	1428.8	1422.3	1430.4	1414.1	1410.0	1406.0	1375.8	1391.3	1373.3
5°	1223.2	1220.7	1169.3	1179.9	1169.3	1151.4	1144.0	1161.2	1131.0	1137.5	1141.6
7.5°	940.0	930.2	896.0	873.1	859.2	847.0	831.5	806.2	825.8	821.7	852.7
10°	763.0	741.7	720.5	688.7	670.8	653.6	635.7	625.9	603.0	600.6	590.0
12.5°	699.3	669.1	642.2	614.4	595.7	561.4	532.8	514.9	500.2	477.4	460.2
15°	614.4	589.2	554.1	527.1	497.8	466.8	439.0	416.2	405.6	384.3	374.5
17.5°	528.8	490.4	448.0	421.1	380.3	348.4	325.6	310.9	295.4	282.3	270.9
20°	426.0	376.2	330.5	296.2	264.4	233.4	222.8	204.8	198.3	193.4	197.5
22.5°	324.0	272.5	225.2	199.1	182.0	173.8	164.8	161.6	159.1	158.3	159.9
25°	237.5	194.2	171.4	161.6	155.0	150.1	146.9	144.4	142.8	142.0	142.8
27.5°	183.6	160.8	149.3	142.8	137.9	134.6	133.0	130.6	129.7	128.9	129.7
30°	159.1	146.9	138.7	132.2	126.5	120.8	118.3	117.5	118.3	119.1	118.3
32.5°	138.7	129.7	120.8	115.1	111.0	107.7	107.7	106.1	106.1	108.5	109.3
35°	125.7	116.7	110.2	102.8	97.9	94.7	92.2	90.6	91.4	91.4	93.8
37.5°	115.1	108.5	102.8	96.3	91.4	88.1	86.5	84.9	84.0	83.2	83.2
40°	107.7	103.6	98.7	92.2	87.3	84.0	82.4	80.8	80.0	79.2	79.2
42.5°	107.7	99.6	96.3	90.6	84.9	81.6	79.2	77.5	75.9	75.9	75.9
45°	118.3	102.0	96.3	89.8	84.0	80.0	77.5	75.1	73.4	73.4	72.6
47.5°	115.1	114.2	97.9	89.8	84.9	80.0	76.7	74.3	72.6	71.8	71.0
50°	109.3	119.1	109.3	92.2	84.9	79.2	75.9	73.4	71.0	70.2	70.2
52.5°	106.1	111.0	113.4	95.5	85.7	79.2	75.1	72.6	71.0	69.4	68.5
55°	97.9	104.4	108.5	93.8	85.7	77.5	73.4	71.0	68.5	67.7	66.9
57.5°	89.8	94.7	104.4	93.8	83.2	76.7	71.8	68.5	66.9	66.1	65.3
59°	87.3	87.3	93.0	96.3	81.6	75.9	71.0	67.7	66.1	65.3	63.6
60°	84.9	84.9	88.1	98.7	80.8	75.1	70.2	66.9	64.5	64.5	63.6
62.5°	81.6	79.2	80.8	92.2	78.3	73.4	68.5	65.3	62.8	62.8	62.0
65°	77.5	74.3	74.3	76.7	73.4	70.2	66.9	63.6	60.4	60.4	61.2
67.5°	73.4	70.2	69.4	69.4	67.7	66.9	63.6	60.4	58.8	58.8	58.8
70°	67.7	65.3	64.5	62.8	62.8	62.0	59.6	57.1	55.5	56.3	55.5
72.5°	61.2	59.6	57.9	57.9	57.1	56.3	53.9	52.2	51.4	52.2	52.2
75°	54.7	52.2	52.2	50.6	50.6	49.8	47.3	46.5	45.7	46.5	47.3
77.5°	46.5	44.9	44.1	44.1	44.1	44.1	40.8	40.0	40.0	41.6	41.6
80°	38.4	37.5	36.7	36.7	36.7	35.9	34.3	33.5	33.5	34.3	35.1
82.5°	29.4	27.7	27.7	28.6	29.4	29.4	26.9	25.3	25.3	26.9	28.6
85°	19.6	19.6	19.6	20.4	20.4	21.2	19.6	17.1	18.0	18.8	21.2
87.5°	10.6	11.4	10.6	9.8	11.4	10.6	10.6	9.8	10.6	11.4	12.2
90°	3.3	3.3	2.4	1.6	0.8	1.6	1.6	2.4	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: P227371

CATALOG NUMBER: IST-AF-1200-LED-E1-SLR-8030

**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: P227371

CATALOG NUMBER: IST-AF-1200-LED-E1-SLR-8030

**CANDELA DISTRIBUTION (continued):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8
2.5°	1389.6	1375.8	1368.4	1397.0	1394.5	1370.1	1370.1	1387.2	1388.0	1373.3	1390.5
5°	1146.5	1132.6	1145.7	1134.2	1140.8	1140.0	1149.7	1131.8	1139.1	1132.6	1117.1
7.5°	850.3	878.0	892.7	873.9	897.6	909.8	892.7	909.8	882.9	860.9	882.1
10°	585.1	616.1	610.4	640.6	652.0	658.5	670.8	655.2	636.5	630.8	615.3
12.5°	453.7	447.2	444.7	457.0	464.3	453.7	462.7	452.9	443.1	426.0	425.1
15°	355.0	344.4	337.0	323.1	318.2	320.7	324.8	324.8	305.2	306.0	313.3
17.5°	269.3	266.8	261.1	249.7	242.4	244.8	244.0	239.9	237.5	239.1	248.1
20°	202.4	199.9	203.2	206.4	204.0	204.8	201.6	197.5	195.8	197.5	199.1
22.5°	159.9	163.2	167.3	172.2	173.0	177.1	176.3	177.1	173.8	172.2	168.1
25°	146.1	147.7	145.2	146.1	146.1	150.1	149.3	149.3	146.1	145.2	146.1
27.5°	128.9	128.1	128.1	129.7	129.7	132.2	133.8	132.2	128.9	128.1	128.9
30°	119.1	118.3	117.5	118.3	117.5	118.3	120.0	120.0	118.3	115.9	116.7
32.5°	109.3	109.3	108.5	109.3	108.5	108.5	110.2	107.7	107.7	106.9	106.9
35°	96.3	97.9	99.6	100.4	100.4	100.4	102.0	99.6	98.7	97.9	97.9
37.5°	83.2	84.9	89.8	92.2	93.0	94.7	95.5	93.8	92.2	90.6	88.9
40°	79.2	79.2	80.8	84.0	87.3	88.1	89.8	87.3	86.5	84.0	81.6
42.5°	75.9	76.7	76.7	77.5	78.3	80.0	82.4	80.0	78.3	76.7	74.3
45°	73.4	73.4	73.4	73.4	72.6	72.6	73.4	71.8	71.0	70.2	70.2
47.5°	71.8	71.0	70.2	69.4	68.5	67.7	67.7	66.1	66.1	66.1	66.1
50°	70.2	68.5	67.7	66.9	65.3	65.3	65.3	63.6	62.8	62.8	63.6
52.5°	67.7	66.9	66.1	65.3	64.5	63.6	63.6	62.0	61.2	61.2	61.2
55°	66.9	66.1	64.5	63.6	62.8	63.6	62.8	62.0	60.4	60.4	60.4
57.5°	64.5	65.3	64.5	62.8	62.8	62.8	62.8	61.2	60.4	58.8	59.6
59°	63.6	64.5	63.6	62.8	62.0	62.8	62.8	60.4	59.6	58.8	58.8
60°	62.8	63.6	62.8	62.0	62.0	62.8	62.0	61.2	59.6	57.1	57.9
62.5°	62.0	62.0	61.2	61.2	60.4	61.2	60.4	58.8	57.1	55.5	54.7
65°	60.4	60.4	59.6	59.6	58.8	58.8	58.8	57.1	55.5	53.9	53.9
67.5°	59.6	58.8	57.9	57.9	57.1	57.1	57.1	55.5	53.0	52.2	51.4
70°	56.3	55.5	55.5	54.7	53.9	54.7	55.5	53.0	50.6	49.0	48.1
72.5°	53.0	52.2	52.2	51.4	51.4	52.2	53.0	50.6	47.3	45.7	44.9
75°	48.1	47.3	47.3	47.3	47.3	49.0	49.0	46.5	44.1	41.6	40.0
77.5°	41.6	42.4	42.4	42.4	42.4	44.1	44.1	42.4	40.0	38.4	35.9
80°	35.9	35.9	36.7	36.7	37.5	37.5	36.7	35.9	35.1	33.5	30.2
82.5°	30.2	30.2	30.2	30.2	30.2	29.4	27.7	29.4	29.4	27.7	25.3
85°	23.7	23.7	23.7	24.5	24.5	22.0	19.6	19.6	22.0	21.2	19.6
87.5°	13.9	13.9	14.7	17.1	15.5	14.7	12.2	13.1	12.2	13.9	11.4
90°	3.3	2.4	2.4	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: P227371  
 CATALOG NUMBER: IST-AF-1200-LED-E1-SLR-8030

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: P227371  
 NUMBER: IST-AF-1200-LED-E1-SLR-8030

REPORT NUMBER: P  
 CATALOG NUMBER:

DISTRIBUTION (continued):											CANDELA DISTRIBUTION	
160°	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°		160°
1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	110°	0.0
1392.1	1395.4	1402.7	1400.3	1427.2	1419.0	1437.8	1463.1	1486.7	1475.3	1478.6	112.5°	0.0
1144.8	1148.9	1117.9	1136.7	1164.4	1153.0	1148.9	1186.5	1177.5	1219.9	1184.8	115°	0.0
847.8	838.0	823.3	816.0	795.6	795.6	834.0	851.1	848.6	878.0	908.2	117.5°	0.0
595.7	584.3	566.3	561.4	581.8	591.6	608.7	625.9	648.7	682.2	701.8	120°	0.0
437.4	433.3	437.4	449.6	468.4	482.3	508.4	538.6	563.9	590.8	616.9	122.5°	0.0
330.5	338.6	349.2	357.4	372.1	398.2	412.1	445.5	468.4	492.0	522.2	125°	0.0
257.0	261.9	264.4	267.6	279.9	298.7	298.7	332.9	363.1	394.1	419.4	127.5°	0.0
195.8	195.8	187.7	192.6	194.2	192.6	202.4	222.0	241.5	261.9	301.9	130°	0.0
164.0	159.1	156.7	155.9	156.7	159.9	165.6	173.0	176.3	185.2	200.7	132.5°	0.0
145.2	144.4	142.0	142.0	143.6	144.4	150.1	156.7	158.3	160.8	166.5	135°	0.0
128.1	129.7	132.2	131.4	132.2	133.8	137.9	143.6	146.9	147.7	151.8	137.5°	0.0
115.9	117.5	118.3	120.8	120.8	121.6	124.8	130.6	133.0	137.1	141.2	140°	0.0
107.7	108.5	109.3	108.5	109.3	109.3	113.4	119.1	122.4	124.8	127.3	142.5°	0.0
98.7	97.9	97.9	97.9	95.5	94.7	96.3	102.0	102.8	105.3	111.0	145°	0.0
88.1	85.7	84.0	84.0	84.0	84.9	88.9	94.7	95.5	97.9	102.8	147.5°	0.0
78.3	77.5	77.5	78.3	79.2	80.8	84.0	89.8	90.6	93.0	97.1	150°	0.0
73.4	73.4	73.4	74.3	75.1	75.9	80.0	85.7	87.3	89.8	94.7	152.5°	0.0
70.2	71.0	70.2	70.2	71.0	72.6	76.7	83.2	85.7	88.1	93.0	155°	0.0
67.7	67.7	67.7	68.5	68.5	70.2	75.1	81.6	83.2	86.5	93.8	157.5°	0.0
64.5	66.1	65.3	66.1	66.9	68.5	73.4	80.0	82.4	87.3	95.5	160°	0.0
62.8	62.8	62.8	63.6	65.3	66.1	70.2	77.5	80.8	87.3	100.4	162.5°	0.0
62.0	60.4	60.4	61.2	62.8	64.5	68.5	75.9	80.0	86.5	99.6	165°	0.0
61.2	58.8	57.9	58.8	60.4	61.2	66.1	73.4	79.2	84.0	96.3	167.5°	0.0
58.8	57.1	56.3	57.1	58.8	60.4	64.5	71.8	75.9	82.4	92.2	170°	0.0
57.9	55.5	55.5	56.3	57.9	58.8	62.8	70.2	74.3	83.2	94.7	172.5°	0.0
54.7	53.9	53.9	54.7	54.7	56.3	61.2	68.5	71.8	84.9	79.2	175°	0.0
52.2	52.2	52.2	52.2	53.0	53.9	59.6	66.9	68.5	73.4	67.7	177.5°	0.0
50.6	50.6	50.6	50.6	50.6	52.2	57.1	64.5	65.3	64.5	62.0	180°	0.0
47.3	47.3	47.3	47.3	48.1	49.0	53.9	60.4	60.4	58.8	58.8		
44.9	44.1	44.1	44.1	44.1	44.9	49.8	56.3	55.5	54.7	54.7		
40.0	40.0	40.0	40.0	40.0	40.0	44.9	51.4	50.6	49.8	49.0		
35.1	35.1	35.9	35.1	34.3	33.5	38.4	45.7	45.7	44.9	44.1		
30.2	29.4	30.2	29.4	27.7	27.7	31.8	38.4	39.2	38.4	36.7		
24.5	23.7	23.7	23.7	20.4	20.4	24.5	31.0	31.0	30.2	28.6		
18.8	18.0	17.1	16.3	13.9	13.9	17.1	22.8	23.7	20.4	19.6		
9.8	9.8	9.8	7.3	6.5	5.7	9.0	13.9	13.9	11.4	9.8		
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		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'227371  
 IST-AF-1200-LED-E1-SLR-8030

REPORT NUMBER: P227371  
 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°	1601.8	1601.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1499.0	1506.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	1210.9	1239.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	915.6	953.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	733.6	759.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	643.8	681.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	552.4	593.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	452.9	502.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	346.0	394.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	243.2	284.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	177.1	195.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	157.5	164.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	147.7	152.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	133.0	137.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	116.7	123.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	108.5	113.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	103.6	104.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	99.6	99.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	97.1	99.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	98.7	109.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	111.0	107.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	113.4	101.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	103.6	97.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	93.0	84.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	83.2	78.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	77.5	75.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	71.0	72.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	66.1	69.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	63.6	66.1
										70°	59.6	61.2
										72.5°	55.5	56.3
										75°	49.8	50.6
										77.5°	44.1	44.1
										80°	35.9	35.9
										82.5°	27.7	26.9
										85°	18.0	17.1
										87.5°	8.2	6.5
										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: P227371

CATALOG NUMBER: IST-AF-1200-LED-E1-SLR-8030

-SLR-8030

**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°	1601.8	1601.8	1601.8	1601.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1714.4	1731.5	1746.2	1757.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	1636.9	1676.9	1725.0	1765.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	1499.0	1549.6	1627.9	1676.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	1368.4	1442.7	1528.4	1597.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	1279.5	1371.7	1453.3	1530.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	1255.0	1348.8	1422.3	1493.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	1304.0	1397.8	1460.6	1503.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	1419.0	1519.4	1559.4	1556.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	1576.5	1681.8	1681.8	1649.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	1784.6	1860.5	1818.9	1756.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	1932.3	2003.3	1930.7	1828.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	2054.7	2106.9	2014.7	1891.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	2162.4	2200.7	2079.2	1957.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	2291.3	2305.2	2146.1	2016.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	2434.1	2445.5	2242.4	2080.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	2602.2	2561.4	2313.4	2140.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	2705.9	2638.9	2364.8	2171.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	2787.5	2696.1	2388.4	2189.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	2887.8	2780.1	2430.0	2222.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	3020.0	2896.8	2535.3	2314.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	3290.9	3138.3	2724.6	2474.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	3602.6	3458.2	3027.4	2740.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	3852.3	3755.2	3297.5	2980.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	3944.5	3902.9	3488.4	3183.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	3978.8	4014.7	3589.6	3307.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	4002.5	4158.3	3918.4	3677.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	3953.5	4182.0	4051.4	3903.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	3740.5	4013.9	3988.6	3858.9
								70°	3304.8	3609.2	3697.3	3512.9
								72.5°	2486.3	2864.2	3344.8	3055.9
								75°	1619.8	1969.0	2856.0	2617.7
								77.5°	1014.3	1228.9	2037.5	1833.5
								80°	674.8	789.9	1293.4	1177.5
								82.5°	507.6	559.8	889.4	836.4
								85°	267.6	341.1	692.0	877.2
								87.5°	100.4	111.8	520.6	784.2
								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: P227371

CATALOG NUMBER: IST-AF-1200-LED-E1-SLR-8030

**CANDELA DISTRIBUTION (continued):**

290°	295°	300°	305°	310°	315°	320°		270°	275°	280°	285°	290°
1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	110°	0.0	0.0	0.0	0.0	0.0
1767.5	1782.1	1791.1	1784.6	1795.2	1797.6	1786.2	112.5°	0.0	0.0	0.0	0.0	0.0
1800.1	1840.9	1870.3	1890.7	1898.8	1906.2	1902.9	115°	0.0	0.0	0.0	0.0	0.0
1739.7	1802.5	1857.2	1894.7	1907.8	1917.6	1908.6	117.5°	0.0	0.0	0.0	0.0	0.0
1672.8	1738.1	1789.5	1827.0	1826.2	1836.0	1818.9	120°	0.0	0.0	0.0	0.0	0.0
1610.0	1673.6	1719.3	1717.7	1706.3	1677.7	1672.8	122.5°	0.0	0.0	0.0	0.0	0.0
1560.2	1593.6	1605.1	1602.6	1570.0	1553.7	1551.2	125°	0.0	0.0	0.0	0.0	0.0
1535.7	1534.1	1508.0	1479.4	1448.4	1446.8	1425.5	127.5°	0.0	0.0	0.0	0.0	0.0
1539.8	1486.7	1438.6	1389.6	1356.2	1348.8	1351.3	130°	0.0	0.0	0.0	0.0	0.0
1591.2	1497.4	1406.8	1357.0	1317.8	1306.4	1311.3	132.5°	0.0	0.0	0.0	0.0	0.0
1655.7	1530.0	1417.4	1341.5	1309.7	1295.8	1298.3	135°	0.0	0.0	0.0	0.0	0.0
1698.9	1567.5	1452.5	1358.6	1315.4	1302.3	1310.5	137.5°	0.0	0.0	0.0	0.0	0.0
1754.4	1618.9	1499.8	1402.7	1338.2	1321.1	1326.8	140°	0.0	0.0	0.0	0.0	0.0
1809.1	1674.4	1566.7	1456.6	1378.2	1346.4	1355.4	142.5°	0.0	0.0	0.0	0.0	0.0
1867.8	1738.9	1630.4	1530.0	1437.8	1388.0	1399.4	145°	0.0	0.0	0.0	0.0	0.0
1936.4	1814.0	1720.9	1628.7	1534.1	1492.5	1497.4	147.5°	0.0	0.0	0.0	0.0	0.0
2002.5	1887.4	1827.8	1759.3	1703.8	1640.2	1640.2	150°	0.0	0.0	0.0	0.0	0.0
2041.6	1982.9	1966.6	1947.0	1914.3	1868.6	1858.8	152.5°	0.0	0.0	0.0	0.0	0.0
2089.8	2096.3	2133.8	2173.0	2182.8	2137.9	2124.0	155°	0.0	0.0	0.0	0.0	0.0
2180.3	2248.9	2372.1	2479.0	2500.2	2536.9	2494.5	157.5°	0.0	0.0	0.0	0.0	0.0
2307.6	2434.1	2642.2	2816.8	2866.6	2869.9	2873.1	160°	0.0	0.0	0.0	0.0	0.0
2452.9	2634.0	2909.0	3117.1	3206.1	3229.7	3212.6	162.5°	0.0	0.0	0.0	0.0	0.0
2701.8	2865.8	3166.9	3391.3	3505.5	3561.0	3546.3	165°	0.0	0.0	0.0	0.0	0.0
2948.2	3152.2	3417.4	3638.5	3760.1	3822.1	3835.2	167.5°	0.0	0.0	0.0	0.0	0.0
3116.3	3307.2	3552.0	3756.0	3876.0	3950.2	3956.8	170°	0.0	0.0	0.0	0.0	0.0
3219.1	3393.7	3632.8	3812.3	3932.3	3995.1	4018.0	172.5°	0.0	0.0	0.0	0.0	0.0
3530.8	3562.7	3725.8	3844.2	3928.2	3956.8	3973.9	175°	0.0	0.0	0.0	0.0	0.0
3676.9	3543.9	3525.1	3598.6	3605.9	3587.1	3563.5	177.5°	0.0	0.0	0.0	0.0	0.0
3473.7	3162.8	3047.8	3038.0	3007.8	2995.5	2920.5	180°	0.0	0.0	0.0	0.0	0.0
3016.7	2568.8	2365.6	2255.4	2322.3	2319.9	2243.2						
2541.8	2085.7	1822.1	1663.8	1644.2	1641.0	1574.1						
2064.5	1636.9	1406.0	1329.3	1237.1	1209.3	1220.7						
1488.4	1168.5	1119.6	1178.3	1185.6	1164.4	1149.7						
937.6	878.8	926.2	1033.1	1095.9	1068.1	1078.8						
781.7	692.0	695.2	807.8	850.3	856.8	834.8						
867.4	692.8	567.9	554.1	539.4	339.5	472.5						
781.7	536.1	315.8	260.3	159.9	92.2	95.5						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	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: P227371

CATALOG NUMBER: IST-AF-1200-LED-E1-SLR-8030

**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°	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8
0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1783.8	1768.3	1751.1	1728.3	1732.4	1704.6
0.0	0.0	0.0	0.0	0.0	0.0	5°	1877.6	1850.7	1814.0	1767.5	1724.2	1668.7
0.0	0.0	0.0	0.0	0.0	0.0	7.5°	1867.8	1824.6	1763.4	1693.2	1636.1	1556.1
0.0	0.0	0.0	0.0	0.0	0.0	10°	1783.8	1727.5	1677.7	1605.1	1530.8	1460.6
0.0	0.0	0.0	0.0	0.0	0.0	12.5°	1666.3	1634.4	1591.2	1536.5	1464.7	1392.9
0.0	0.0	0.0	0.0	0.0	0.0	15°	1538.2	1540.6	1514.5	1499.8	1463.9	1406.8
0.0	0.0	0.0	0.0	0.0	0.0	17.5°	1432.9	1457.4	1471.2	1494.1	1498.2	1470.4
0.0	0.0	0.0	0.0	0.0	0.0	20°	1362.7	1397.0	1440.2	1503.1	1569.2	1597.7
0.0	0.0	0.0	0.0	0.0	0.0	22.5°	1323.5	1366.0	1435.3	1549.6	1670.3	1743.0
0.0	0.0	0.0	0.0	0.0	0.0	25°	1316.2	1372.5	1469.6	1609.1	1765.8	1867.8
0.0	0.0	0.0	0.0	0.0	0.0	27.5°	1328.4	1401.9	1516.9	1676.1	1830.3	1978.0
0.0	0.0	0.0	0.0	0.0	0.0	30°	1367.6	1453.3	1579.0	1750.3	1910.3	2057.1
0.0	0.0	0.0	0.0	0.0	0.0	32.5°	1405.1	1511.2	1649.9	1817.2	1978.0	2124.0
0.0	0.0	0.0	0.0	0.0	0.0	35°	1465.5	1572.4	1714.4	1868.6	2024.5	2190.1
0.0	0.0	0.0	0.0	0.0	0.0	37.5°	1557.7	1651.6	1765.0	1908.6	2071.0	2242.4
0.0	0.0	0.0	0.0	0.0	0.0	40°	1689.1	1751.1	1824.6	1938.0	2093.9	2277.5
0.0	0.0	0.0	0.0	0.0	0.0	42.5°	1885.8	1898.8	1924.1	1982.9	2114.3	2318.3
0.0	0.0	0.0	0.0	0.0	0.0	45°	2139.5	2100.4	2078.3	2070.2	2159.9	2344.4
0.0	0.0	0.0	0.0	0.0	0.0	47.5°	2434.1	2357.4	2269.3	2226.9	2248.1	2386.0
0.0	0.0	0.0	0.0	0.0	0.0	50°	2817.6	2692.8	2519.8	2397.4	2386.8	2508.4
0.0	0.0	0.0	0.0	0.0	0.0	52.5°	3169.3	3006.1	2788.3	2643.8	2585.1	2736.9
0.0	0.0	0.0	0.0	0.0	0.0	55°	3501.5	3375.8	3129.4	2949.8	2929.4	3039.6
0.0	0.0	0.0	0.0	0.0	0.0	57.5°	3792.8	3684.2	3482.7	3248.5	3256.7	3363.5
0.0	0.0	0.0	0.0	0.0	0.0	59°	3943.7	3853.1	3666.3	3428.0	3446.0	3592.8
0.0	0.0	0.0	0.0	0.0	0.0	60°	3997.6	3921.7	3743.8	3543.1	3565.9	3718.5
0.0	0.0	0.0	0.0	0.0	0.0	62.5°	3993.5	3944.5	3815.6	3721.0	3837.6	3949.4
0.0	0.0	0.0	0.0	0.0	0.0	65°	3612.4	3538.2	3523.5	3689.1	3914.3	4022.1
0.0	0.0	0.0	0.0	0.0	0.0	67.5°	2873.1	2908.2	3047.8	3332.5	3710.3	3867.0
						70°	2133.8	2195.9	2381.9	2739.3	3258.3	3529.2
						72.5°	1569.2	1631.2	1802.5	2194.2	2680.6	2920.5
						75°	1231.3	1250.1	1373.3	1681.0	2112.6	2309.3
						77.5°	1137.5	1081.2	1030.6	1195.4	1424.7	1593.6
						80°	1059.2	952.3	833.1	882.9	938.4	1117.9
						82.5°	822.5	751.5	658.5	722.2	748.3	754.0
						85°	481.4	428.4	542.6	768.7	760.5	665.9
						87.5°	169.7	220.3	248.1	426.0	514.9	445.5
						90°	0.0	2.4	7.3	8.2	12.2	4.1
						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: P227371

CATALOG NUMBER: IST-AF-1200-LED-E1-SLR-8030

**CANDELA DISTRIBUTION (continued):**

355°	359°	360°		325°	330°	335°	340°	345°	350°	355°
1601.8	1601.8	1601.8	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1682.6	1659.7	1658.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1624.7	1573.2	1556.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1486.7	1427.2	1414.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1370.9	1304.8	1293.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1311.3	1248.5	1234.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1334.2	1264.8	1257.5	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1419.8	1346.4	1349.7	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1566.7	1519.4	1508.0	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1759.3	1707.9	1693.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923.3	1897.2	1887.4	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2041.6	2053.9	2044.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2136.3	2177.1	2172.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2233.4	2312.5	2315.8	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2305.2	2444.7	2473.3	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2397.4	2584.3	2613.6	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2467.6	2687.1	2723.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2536.1	2771.9	2811.1	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2592.4	2856.0	2896.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2656.1	2937.6	2976.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2770.3	3065.7	3112.2	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3015.9	3303.2	3369.3	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3370.9	3631.2	3683.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3690.8	3854.0	3867.8	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3822.1	3915.2	3911.1	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3918.4	3929.8	3907.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3970.6	3862.1	3823.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3834.4	3683.4	3632.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3441.1	3361.1	3302.3	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2927.0	2724.6	2686.3								
2218.7	1951.9	1894.7								
1550.4	1230.5	1153.0								
1019.2	789.9	760.5								
661.0	524.7	515.7								
461.0	344.4	317.4								
283.2	115.1	110.2								
88.1	53.0	47.3								
2.4	3.3	3.3								
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								

