

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: P227389

Luminaire Tested: **IST-AF-600-LED-E1-SLR-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227389
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-600-LED-E1-SLR-7050
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3529 lumens
Efficiency: N/A
Efficacy: 104.7 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

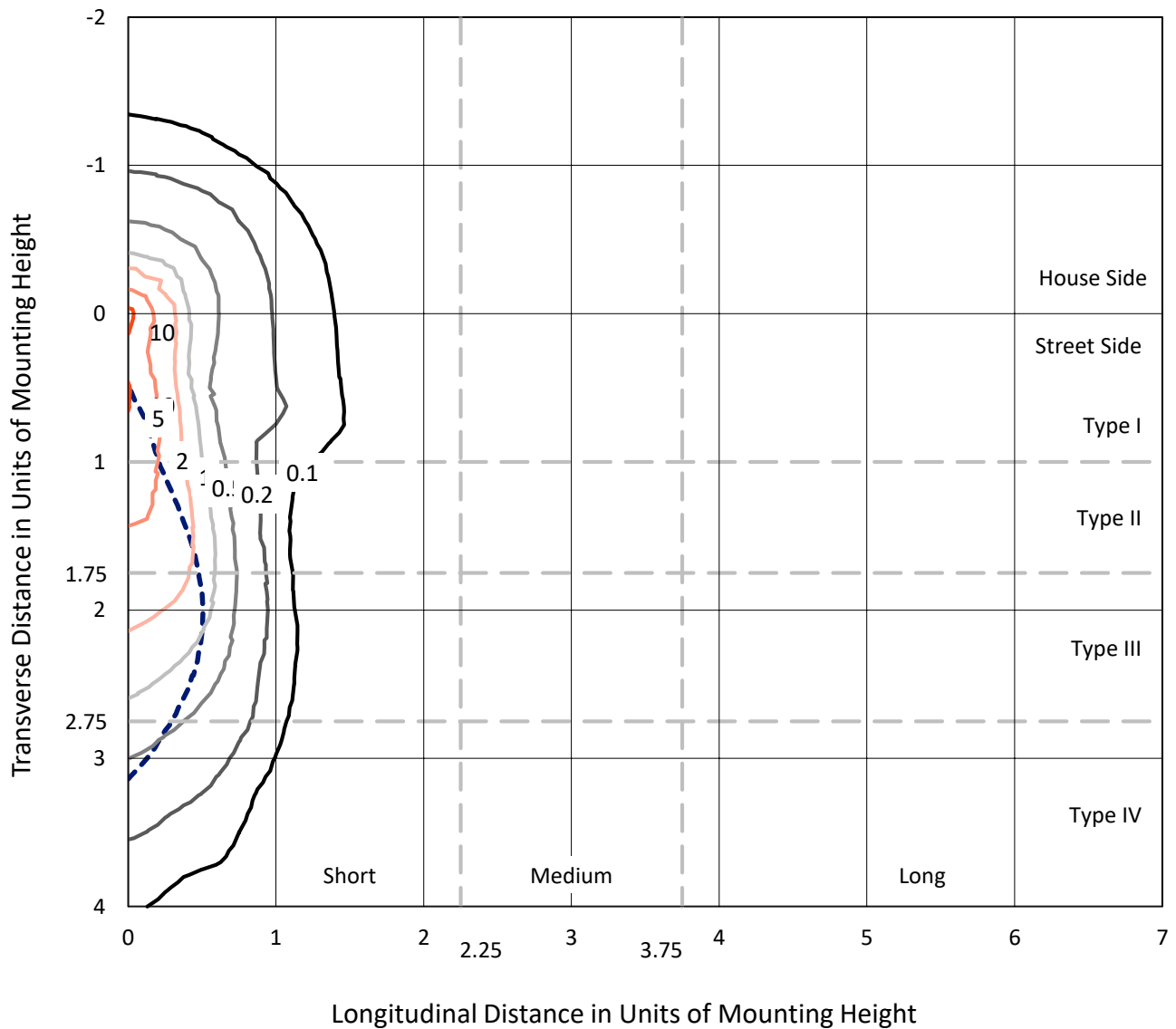
Input Watts (W): 33.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

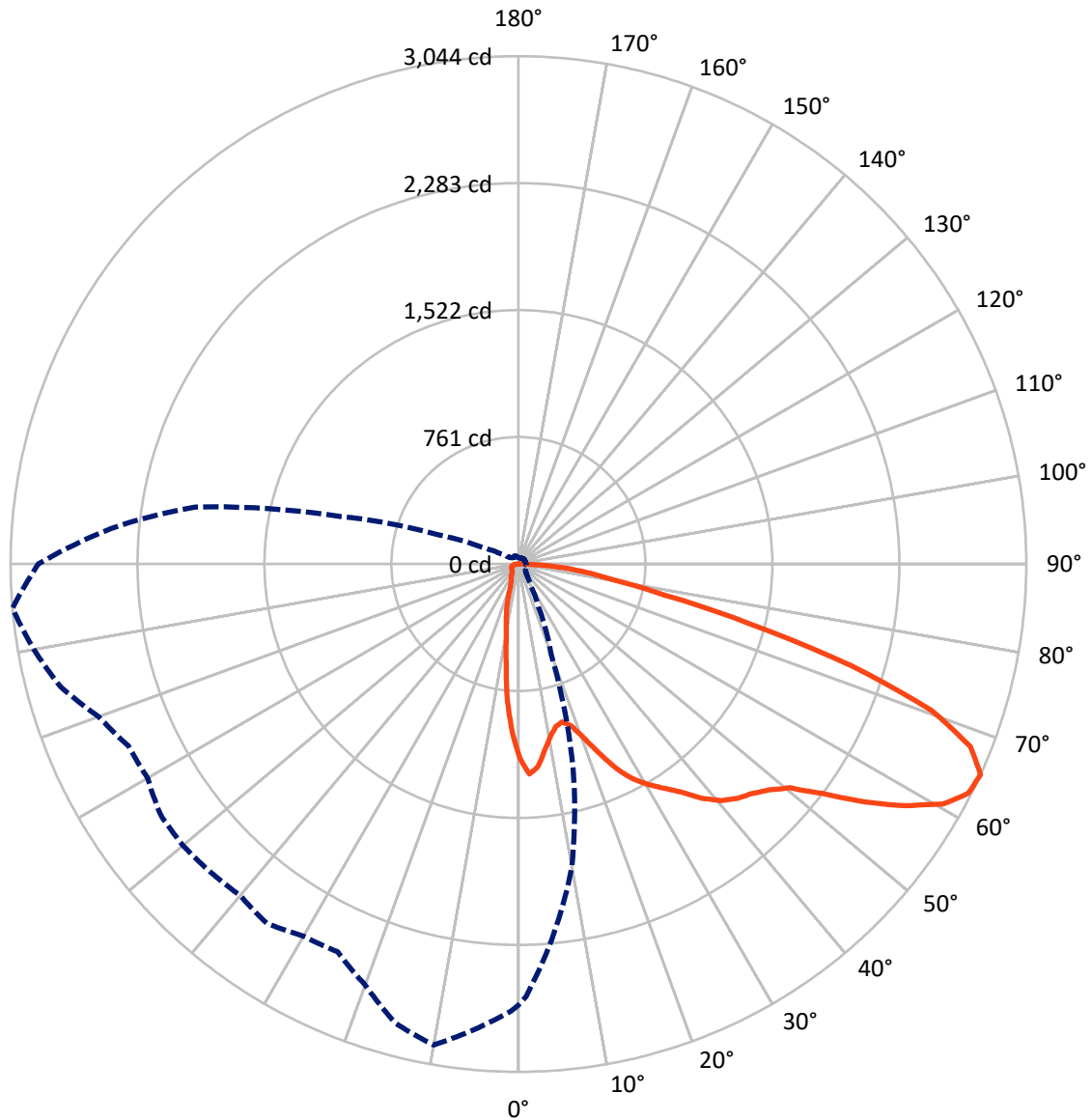
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 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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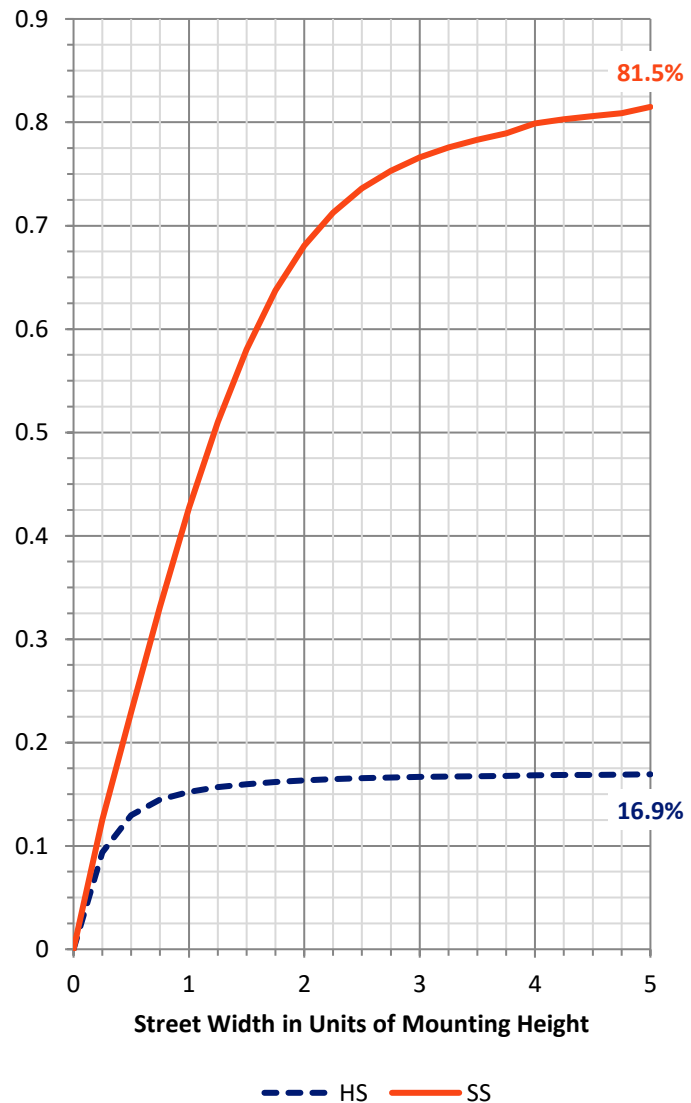
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	605.3	0.0	605.3
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	2923.5	0.1	2923.7
	% Fixture	82.8	0.0	82.8
Total	Lumens	3528.9	0.2	3529.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	2.4
10°-20°	166.2	4.7
20°-30°	237.0	6.7
30°-40°	343.8	9.7
40°-50°	491.8	13.9
50°-60°	755.1	21.4
60°-70°	874.0	24.8
70°-80°	445.9	12.6
80°-90°	128.7	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°	3528.9	100.0
0°-180°	3529.0	100.0



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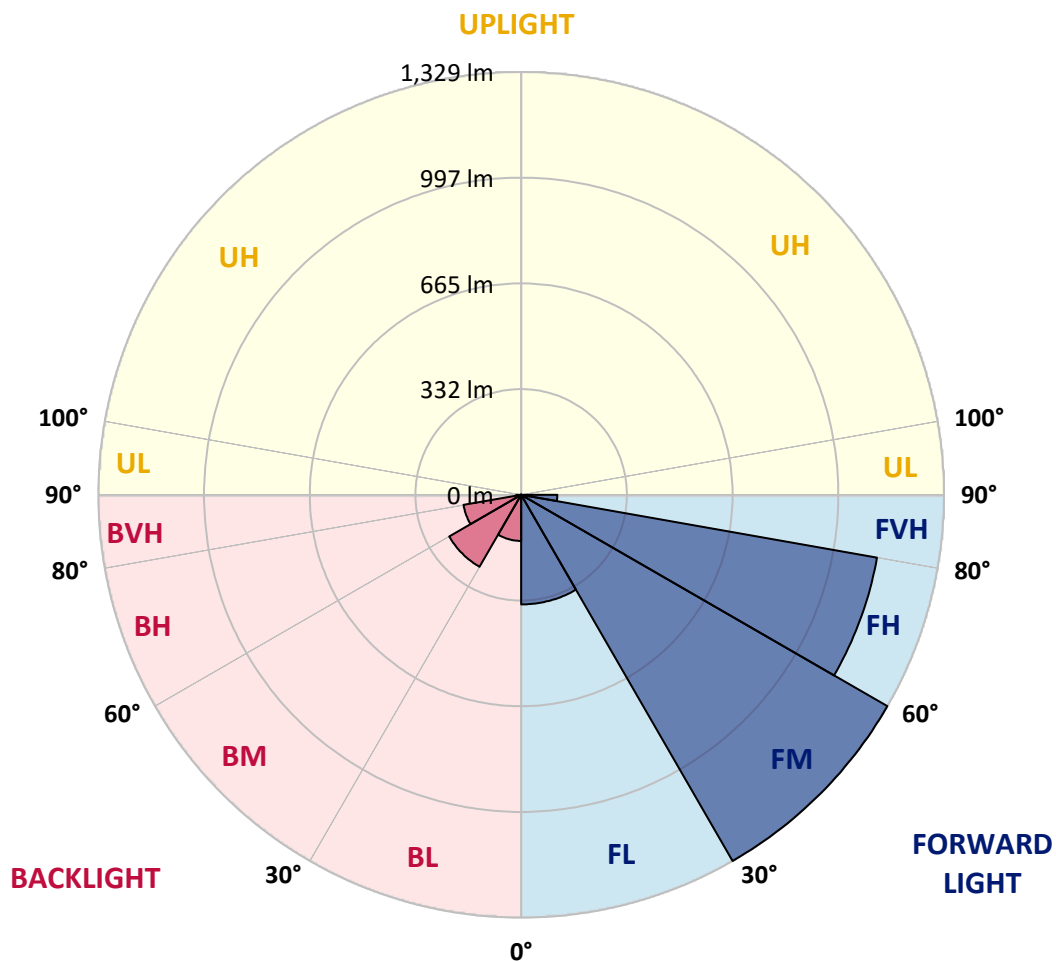
CATALOG NUMBER: IST-AF-600-LED-E1-SLR-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	344.6	9.8			
FM	(30°-60°)	1329.3	37.7			
FH	(60°-80°)	1135.8	32.2			G1/1800
FVH	(80°-90°)	113.7	3.2			G2/225
BL	(0°-30°)	144.9	4.1	B1/500		
BM	(30°-60°)	261.4	7.4	B1/1000		
BH	(60°-80°)	184.1	5.2	B1/500		G1/500
BVH	(80°-90°)	15.0	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°	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8
2.5°	1206.8	1199.7	1190.8	1175.3	1161.7	1142.1	1137.3	1113.0	1097.5	1101.1	1073.2
5°	1133.2	1129.0	1107.0	1072.6	1050.0	1005.5	979.9	966.9	930.1	925.3	915.2
7.5°	1029.8	1017.4	981.7	939.0	900.4	867.7	826.7	795.2	767.3	750.1	719.8
10°	941.3	928.3	889.7	837.4	791.1	745.4	712.1	671.1	631.3	600.4	576.1
12.5°	898.6	884.3	839.2	778.6	726.9	669.9	623.0	582.6	560.6	545.2	525.0
15°	915.2	894.4	840.4	767.9	703.8	643.2	593.3	550.0	523.8	500.1	476.3
17.5°	982.3	956.8	895.0	807.7	718.6	640.2	569.0	519.7	478.1	442.5	410.4
20°	1097.5	1078.5	988.9	866.5	750.7	642.0	548.2	483.4	433.0	387.8	345.1
22.5°	1232.4	1203.9	1116.0	946.1	791.7	652.7	535.1	453.2	393.2	332.6	286.3
25°	1373.7	1351.7	1235.3	1053.0	854.6	674.7	525.0	426.4	346.2	279.1	228.1
27.5°	1487.7	1468.1	1352.9	1155.7	912.2	693.7	510.2	400.9	308.8	228.1	171.6
30°	1581.0	1564.4	1443.8	1240.1	982.3	700.2	489.4	371.2	267.3	184.1	141.9
32.5°	1685.5	1667.1	1531.1	1298.9	1013.8	694.3	465.6	343.3	234.0	162.7	121.8
35°	1800.1	1778.8	1628.5	1362.4	1039.9	673.5	445.4	323.1	218.0	147.9	108.1
37.5°	1902.3	1888.6	1716.4	1425.4	1069.6	639.0	425.8	301.1	207.3	137.2	97.4
40°	1981.9	1978.3	1813.8	1477.6	1092.8	614.1	409.8	283.9	193.6	133.0	93.8
42.5°	2046.0	2044.8	1893.4	1524.6	1098.7	592.1	397.3	268.4	181.1	122.9	95.6
45°	2107.8	2107.2	1970.6	1589.9	1102.9	593.3	387.8	258.9	170.5	116.4	90.3
47.5°	2166.6	2175.5	2051.4	1680.8	1146.8	613.5	384.3	250.0	162.1	109.3	85.5
50°	2265.2	2256.3	2179.0	1803.7	1217.5	652.7	378.3	242.3	154.4	102.7	80.8
52.5°	2452.2	2442.1	2373.3	1968.2	1294.7	693.1	370.6	231.6	145.5	95.6	75.4
55°	2680.9	2694.6	2598.9	2168.4	1399.8	726.9	362.3	217.4	133.6	87.3	71.9
57.5°	2815.1	2803.8	2694.6	2283.6	1464.6	744.2	356.9	200.7	115.2	80.2	68.3
59°	2846.6	2827.6	2678.5	2303.2	1481.8	735.9	354.0	184.7	105.7	76.6	66.5
60°	2843.6	2820.5	2653.0	2290.7	1486.6	725.8	349.2	175.2	100.4	74.8	65.9
62.5°	2782.5	2746.2	2508.1	2139.8	1420.0	675.3	329.6	152.6	93.2	72.5	62.4
65°	2643.5	2592.4	2264.6	1845.3	1267.4	574.9	285.1	144.3	95.0	71.3	60.0
67.5°	2403.5	2362.6	1951.6	1526.9	1010.2	464.4	246.5	140.8	97.4	72.5	56.4
70°	1955.1	1920.1	1522.8	1143.3	756.6	369.4	223.9	139.0	95.6	69.5	53.5
72.5°	1379.1	1318.5	1012.0	800.6	479.9	297.0	194.2	131.3	93.2	67.1	48.7
75°	839.2	850.5	643.2	583.2	302.9	203.7	152.6	110.5	82.6	60.0	43.9
77.5°	553.5	552.9	474.5	411.6	153.8	126.5	108.1	84.9	64.7	49.3	38.0
80°	375.3	379.5	344.5	280.9	85.5	76.0	70.7	61.8	47.5	37.4	31.5
82.5°	231.0	231.6	266.7	210.2	57.0	48.1	45.1	41.6	33.9	29.1	24.4
85°	80.2	82.0	93.2	148.5	38.6	31.5	31.5	29.1	25.5	19.6	16.0
87.5°	34.4	33.9	40.4	40.4	19.0	16.0	14.8	14.8	14.3	10.7	8.9
90°	2.4	1.8	1.8	2.4	3.0	4.2	3.6	4.2	4.2	3.6	2.4
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8
2.5°	1064.9	1058.3	1039.9	1035.2	1041.1	1029.2	1026.3	1023.3	1001.3	1012.6	999.5
5°	890.3	888.5	851.1	858.8	851.1	838.0	832.7	845.1	823.2	827.9	830.9
7.5°	684.2	677.1	652.1	635.5	625.4	616.5	605.2	586.8	601.0	598.1	620.6
10°	555.3	539.9	524.4	501.3	488.2	475.7	462.7	455.5	438.9	437.1	429.4
12.5°	509.0	487.0	467.4	447.2	433.6	408.6	387.8	374.8	364.1	347.4	335.0
15°	447.2	428.8	403.3	383.7	362.3	339.7	319.5	302.9	295.2	279.7	272.6
17.5°	384.9	356.9	326.1	306.5	276.8	253.6	237.0	226.3	215.0	205.5	197.2
20°	310.0	273.8	240.5	215.6	192.4	169.9	162.1	149.1	144.3	140.8	143.7
22.5°	235.8	198.4	163.9	144.9	132.4	126.5	120.0	117.6	115.8	115.2	116.4
25°	172.8	141.4	124.7	117.6	112.8	109.3	106.9	105.1	103.9	103.3	103.9
27.5°	133.6	117.0	108.7	103.9	100.4	98.0	96.8	95.0	94.4	93.8	94.4
30°	115.8	106.9	101.0	96.2	92.1	87.9	86.1	85.5	86.1	86.7	86.1
32.5°	101.0	94.4	87.9	83.7	80.8	78.4	78.4	77.2	77.2	79.0	79.6
35°	91.5	84.9	80.2	74.8	71.3	68.9	67.1	65.9	66.5	66.5	68.3
37.5°	83.7	79.0	74.8	70.1	66.5	64.1	63.0	61.8	61.2	60.6	60.6
40°	78.4	75.4	71.9	67.1	63.5	61.2	60.0	58.8	58.2	57.6	57.6
42.5°	78.4	72.5	70.1	65.9	61.8	59.4	57.6	56.4	55.2	55.2	55.2
45°	86.1	74.2	70.1	65.3	61.2	58.2	56.4	54.6	53.5	53.5	52.9
47.5°	83.7	83.1	71.3	65.3	61.8	58.2	55.8	54.0	52.9	52.3	51.7
50°	79.6	86.7	79.6	67.1	61.8	57.6	55.2	53.5	51.7	51.1	51.1
52.5°	77.2	80.8	82.6	69.5	62.4	57.6	54.6	52.9	51.7	50.5	49.9
55°	71.3	76.0	79.0	68.3	62.4	56.4	53.5	51.7	49.9	49.3	48.7
57.5°	65.3	68.9	76.0	68.3	60.6	55.8	52.3	49.9	48.7	48.1	47.5
59°	63.5	63.5	67.7	70.1	59.4	55.2	51.7	49.3	48.1	47.5	46.3
60°	61.8	61.8	64.1	71.9	58.8	54.6	51.1	48.7	46.9	46.9	46.3
62.5°	59.4	57.6	58.8	67.1	57.0	53.5	49.9	47.5	45.7	45.7	45.1
65°	56.4	54.0	54.0	55.8	53.5	51.1	48.7	46.3	43.9	43.9	44.5
67.5°	53.5	51.1	50.5	50.5	49.3	48.7	46.3	43.9	42.8	42.8	42.8
70°	49.3	47.5	46.9	45.7	45.7	45.1	43.4	41.6	40.4	41.0	40.4
72.5°	44.5	43.4	42.2	42.2	41.6	41.0	39.2	38.0	37.4	38.0	38.0
75°	39.8	38.0	38.0	36.8	36.8	36.2	34.4	33.9	33.3	33.9	34.4
77.5°	33.9	32.7	32.1	32.1	32.1	32.1	29.7	29.1	29.1	30.3	30.3
80°	27.9	27.3	26.7	26.7	26.7	26.1	24.9	24.4	24.4	24.9	25.5
82.5°	21.4	20.2	20.2	20.8	21.4	21.4	19.6	18.4	18.4	19.6	20.8
85°	14.3	14.3	14.3	14.8	14.8	15.4	14.3	12.5	13.1	13.7	15.4
87.5°	7.7	8.3	7.7	7.1	8.3	7.7	7.7	7.1	7.7	8.3	8.9
90°	2.4	2.4	1.8	1.2	0.6	1.2	1.2	1.8	0.6	0.6	1.2
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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: P227389

CATALOG NUMBER: IST-AF-600-LED-E1-SLR-7050

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8
2.5°	1011.4	1001.3	996.0	1016.8	1015.0	997.2	997.2	1009.6	1010.2	999.5	1012.0
5°	834.4	824.3	833.8	825.5	830.3	829.7	836.8	823.7	829.1	824.3	813.1
7.5°	618.9	639.0	649.7	636.1	653.3	662.2	649.7	662.2	642.6	626.6	642.0
10°	425.8	448.4	444.2	466.2	474.5	479.3	488.2	476.9	463.2	459.1	447.8
12.5°	330.2	325.5	323.7	332.6	337.9	330.2	336.7	329.6	322.5	310.0	309.4
15°	258.3	250.6	245.3	235.2	231.6	233.4	236.4	236.4	222.1	222.7	228.1
17.5°	196.0	194.2	190.1	181.7	176.4	178.2	177.6	174.6	172.8	174.0	180.5
20°	147.3	145.5	147.9	150.3	148.5	149.1	146.7	143.7	142.5	143.7	144.9
22.5°	116.4	118.8	121.8	125.3	125.9	128.9	128.3	128.9	126.5	125.3	122.3
25°	106.3	107.5	105.7	106.3	106.3	109.3	108.7	108.7	106.3	105.7	106.3
27.5°	93.8	93.2	93.2	94.4	94.4	96.2	97.4	96.2	93.8	93.2	93.8
30°	86.7	86.1	85.5	86.1	85.5	86.1	87.3	87.3	86.1	84.3	84.9
32.5°	79.6	79.6	79.0	79.6	79.0	79.0	80.2	78.4	78.4	77.8	77.8
35°	70.1	71.3	72.5	73.1	73.1	73.1	74.2	72.5	71.9	71.3	71.3
37.5°	60.6	61.8	65.3	67.1	67.7	68.9	69.5	68.3	67.1	65.9	64.7
40°	57.6	57.6	58.8	61.2	63.5	64.1	65.3	63.5	63.0	61.2	59.4
42.5°	55.2	55.8	55.8	56.4	57.0	58.2	60.0	58.2	57.0	55.8	54.0
45°	53.5	53.5	53.5	53.5	52.9	52.9	53.5	52.3	51.7	51.1	51.1
47.5°	52.3	51.7	51.1	50.5	49.9	49.3	49.3	48.1	48.1	48.1	48.1
50°	51.1	49.9	49.3	48.7	47.5	47.5	47.5	46.3	45.7	45.7	46.3
52.5°	49.3	48.7	48.1	47.5	46.9	46.3	46.3	45.1	44.5	44.5	44.5
55°	48.7	48.1	46.9	46.3	45.7	46.3	45.7	45.1	43.9	43.9	43.9
57.5°	46.9	47.5	46.9	45.7	45.7	45.7	45.7	44.5	43.9	42.8	43.4
59°	46.3	46.9	46.3	45.7	45.1	45.7	45.7	43.9	43.4	42.8	42.8
60°	45.7	46.3	45.7	45.1	45.1	45.7	45.1	44.5	43.4	41.6	42.2
62.5°	45.1	45.1	44.5	44.5	43.9	44.5	43.9	42.8	41.6	40.4	39.8
65°	43.9	43.9	43.4	43.4	42.8	42.8	42.8	41.6	40.4	39.2	39.2
67.5°	43.4	42.8	42.2	42.2	41.6	41.6	41.6	40.4	38.6	38.0	37.4
70°	41.0	40.4	40.4	39.8	39.2	39.8	40.4	38.6	36.8	35.6	35.0
72.5°	38.6	38.0	38.0	37.4	37.4	38.0	38.6	36.8	34.4	33.3	32.7
75°	35.0	34.4	34.4	34.4	34.4	35.6	35.6	33.9	32.1	30.3	29.1
77.5°	30.3	30.9	30.9	30.9	30.9	32.1	32.1	30.9	29.1	27.9	26.1
80°	26.1	26.1	26.7	26.7	27.3	27.3	26.7	26.1	25.5	24.4	22.0
82.5°	22.0	22.0	22.0	22.0	22.0	21.4	20.2	21.4	21.4	20.2	18.4
85°	17.2	17.2	17.2	17.8	17.8	16.0	14.3	14.3	16.0	15.4	14.3
87.5°	10.1	10.1	10.7	12.5	11.3	10.7	8.9	9.5	8.9	10.1	8.3
90°	2.4	1.8	1.8	0.6	1.2	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: P227389
 CATALOG NUMBER: IST-AF-600-LED-E1-SLR-7050

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: P227389
 NUMBER: IST-AF-600-LED-E1-SLR-7050

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

160°	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	110°	160°
1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	110°	0.0
1013.2	1015.6	1020.9	1019.1	1038.7	1032.8	1046.5	1064.9	1082.1	1073.8	1076.2	112.5°	0.0
833.3	836.2	813.7	827.3	847.5	839.2	836.2	863.5	857.0	887.9	862.4	115°	0.0
617.1	609.9	599.3	593.9	579.1	579.1	607.0	619.4	617.7	639.0	661.0	117.5°	0.0
433.6	425.2	412.2	408.6	423.5	430.6	443.1	455.5	472.2	496.5	510.8	120°	0.0
318.3	315.4	318.3	327.2	340.9	351.0	370.0	392.0	410.4	430.0	449.0	122.5°	0.0
240.5	246.5	254.2	260.1	270.8	289.8	299.9	324.3	340.9	358.1	380.1	125°	0.0
187.1	190.6	192.4	194.8	203.7	217.4	217.4	242.3	264.3	286.9	305.3	127.5°	0.0
142.5	142.5	136.6	140.2	141.4	140.2	147.3	161.5	175.8	190.6	219.7	130°	0.0
119.4	115.8	114.0	113.4	114.0	116.4	120.6	125.9	128.3	134.8	146.1	132.5°	0.0
105.7	105.1	103.3	103.3	104.5	105.1	109.3	114.0	115.2	117.0	121.2	135°	0.0
93.2	94.4	96.2	95.6	96.2	97.4	100.4	104.5	106.9	107.5	110.5	137.5°	0.0
84.3	85.5	86.1	87.9	87.9	88.5	90.9	95.0	96.8	99.8	102.7	140°	0.0
78.4	79.0	79.6	79.0	79.6	79.6	82.6	86.7	89.1	90.9	92.6	142.5°	0.0
71.9	71.3	71.3	71.3	69.5	68.9	70.1	74.2	74.8	76.6	80.8	145°	0.0
64.1	62.4	61.2	61.2	61.2	61.8	64.7	68.9	69.5	71.3	74.8	147.5°	0.0
57.0	56.4	56.4	57.0	57.6	58.8	61.2	65.3	65.9	67.7	70.7	150°	0.0
53.5	53.5	53.5	54.0	54.6	55.2	58.2	62.4	63.5	65.3	68.9	152.5°	0.0
51.1	51.7	51.1	51.1	51.7	52.9	55.8	60.6	62.4	64.1	67.7	155°	0.0
49.3	49.3	49.3	49.9	49.9	51.1	54.6	59.4	60.6	63.0	68.3	157.5°	0.0
46.9	48.1	47.5	48.1	48.7	49.9	53.5	58.2	60.0	63.5	69.5	160°	0.0
45.7	45.7	45.7	46.3	47.5	48.1	51.1	56.4	58.8	63.5	73.1	162.5°	0.0
45.1	43.9	43.9	44.5	45.7	46.9	49.9	55.2	58.2	63.0	72.5	165°	0.0
44.5	42.8	42.2	42.8	43.9	44.5	48.1	53.5	57.6	61.2	70.1	167.5°	0.0
42.8	41.6	41.0	41.6	42.8	43.9	46.9	52.3	55.2	60.0	67.1	170°	0.0
42.2	40.4	40.4	41.0	42.2	42.8	45.7	51.1	54.0	60.6	68.9	172.5°	0.0
39.8	39.2	39.2	39.8	39.8	41.0	44.5	49.9	52.3	61.8	57.6	175°	0.0
38.0	38.0	38.0	38.0	38.6	39.2	43.4	48.7	49.9	53.5	49.3	177.5°	0.0
36.8	36.8	36.8	36.8	36.8	38.0	41.6	46.9	47.5	46.9	45.1	180°	0.0
34.4	34.4	34.4	34.4	35.0	35.6	39.2	43.9	43.9	42.8	42.8		
32.7	32.1	32.1	32.1	32.1	32.7	36.2	41.0	40.4	39.8	39.8		
29.1	29.1	29.1	29.1	29.1	29.1	32.7	37.4	36.8	36.2	35.6		
25.5	25.5	26.1	25.5	24.9	24.4	27.9	33.3	33.3	32.7	32.1		
22.0	21.4	22.0	21.4	20.2	20.2	23.2	27.9	28.5	27.9	26.7		
17.8	17.2	17.2	17.2	14.8	14.8	17.8	22.6	22.6	22.0	20.8		
13.7	13.1	12.5	11.9	10.1	10.1	12.5	16.6	17.2	14.8	14.3		
7.1	7.1	7.1	5.3	4.8	4.2	6.5	10.1	10.1	8.3	7.1		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'227389
 IST-AF-600-LED-E1-SLR-7050

REPORT NUMBER: P227389
 CATALOG NUMBER: IST-AF-600

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°	1165.8	1165.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1091.0	1096.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	881.4	902.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	666.4	694.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	533.9	552.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	468.6	495.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	402.1	431.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	329.6	365.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	251.8	287.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	177.0	207.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	128.9	142.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	114.6	120.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	107.5	111.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	96.8	100.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	84.9	89.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	79.0	82.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	75.4	76.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	72.5	72.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	70.7	72.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	71.9	79.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	80.8	78.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	82.6	73.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	75.4	70.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	67.7	61.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	60.6	57.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	56.4	55.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	51.7	52.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	48.1	50.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	46.3	48.1
										70°	43.4	44.5
										72.5°	40.4	41.0
										75°	36.2	36.8
										77.5°	32.1	32.1
										80°	26.1	26.1
										82.5°	20.2	19.6
										85°	13.1	12.5
										87.5°	5.9	4.8
										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: P227389

CATALOG NUMBER: IST-AF-600-LED-E1-S

0-LED-E1-SLR-7050

tinued):

CANDELA DISTRIBUTION (continued):

225°	230°	235°	240°	245°	250°	255°	260°	265°		215°	220°	225°
1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	110°	0.0	0.0	0.0
1123.1	1139.7	1152.8	1150.4	1178.3	1194.9	1197.3	1214.5	1231.2	112.5°	0.0	0.0	0.0
918.8	941.9	964.5	981.1	1025.1	1061.3	1089.2	1118.9	1154.0	115°	0.0	0.0	0.0
732.3	751.9	788.7	815.4	861.8	903.9	944.9	991.8	1031.6	117.5°	0.0	0.0	0.0
573.7	598.7	633.1	683.0	724.6	772.7	824.3	868.9	935.4	120°	0.0	0.0	0.0
515.5	531.0	559.5	583.2	634.9	686.0	744.2	805.3	866.5	122.5°	0.0	0.0	0.0
455.5	482.8	509.6	544.0	589.2	645.0	707.9	773.9	842.8	125°	0.0	0.0	0.0
397.3	433.6	462.7	500.1	550.6	621.2	703.2	785.1	865.9	127.5°	0.0	0.0	0.0
326.1	359.9	411.0	449.0	514.9	603.4	708.5	822.0	931.2	130°	0.0	0.0	0.0
256.6	292.8	351.0	407.4	479.9	593.9	729.9	882.5	1028.6	132.5°	0.0	0.0	0.0
183.5	232.8	290.4	361.7	449.6	588.0	759.0	957.4	1154.0	135°	0.0	0.0	0.0
137.2	171.6	241.7	319.5	415.7	577.3	789.9	1026.9	1239.5	137.5°	0.0	0.0	0.0
122.3	146.7	192.4	274.4	374.2	556.5	813.1	1092.8	1317.3	140°	0.0	0.0	0.0
106.9	125.9	162.1	231.6	336.7	524.4	823.2	1127.8	1371.3	142.5°	0.0	0.0	0.0
93.8	111.7	148.5	215.0	317.7	488.2	821.4	1162.9	1439.0	145°	0.0	0.0	0.0
85.5	101.0	142.5	210.8	302.9	454.9	823.2	1219.3	1539.4	147.5°	0.0	0.0	0.0
79.0	96.8	137.8	201.9	295.8	436.5	830.3	1269.2	1625.5	150°	0.0	0.0	0.0
79.0	95.6	125.9	189.5	292.2	438.3	833.3	1307.8	1689.7	152.5°	0.0	0.0	0.0
83.1	89.7	117.0	182.3	294.6	451.4	829.7	1347.0	1752.0	155°	0.0	0.0	0.0
79.0	83.7	111.1	181.1	294.6	460.9	840.4	1395.7	1834.0	157.5°	0.0	0.0	0.0
74.8	77.8	109.3	179.4	288.6	469.8	884.3	1486.6	1940.9	160°	0.0	0.0	0.0
69.5	73.1	106.9	176.4	282.1	481.1	962.1	1639.2	2117.9	162.5°	0.0	0.0	0.0
63.0	70.1	103.3	171.6	277.9	501.3	1041.7	1793.6	2328.7	165°	0.0	0.0	0.0
60.6	67.1	95.0	160.4	273.8	523.2	1126.6	1941.5	2518.2	167.5°	0.0	0.0	0.0
58.8	64.7	87.9	152.0	270.2	533.9	1152.2	1997.9	2591.2	170°	0.0	0.0	0.0
57.6	63.5	83.7	144.9	266.1	534.5	1170.6	2019.3	2601.9	172.5°	0.0	0.0	0.0
55.8	61.2	75.4	130.1	253.0	533.9	1172.4	2032.9	2571.0	175°	0.0	0.0	0.0
52.9	58.8	76.0	122.3	229.2	509.0	1098.7	1967.0	2448.1	177.5°	0.0	0.0	0.0
50.5	57.0	80.2	124.1	204.3	444.8	960.9	1762.1	2185.0	180°	0.0	0.0	0.0
46.9	55.8	83.7	128.3	197.2	369.4	726.9	1439.0	1829.8				
43.4	55.2	86.7	131.3	189.5	304.1	503.6	1020.3	1369.6				
39.2	50.5	79.0	111.7	156.8	220.9	324.3	667.6	944.3				
33.9	40.4	57.6	78.4	115.2	154.4	191.8	403.3	617.7				
27.9	30.3	41.0	50.5	76.6	91.5	106.3	227.5	431.8				
20.8	21.4	27.9	32.1	43.4	50.5	63.5	139.6	349.8				
11.9	13.7	19.0	21.4	26.1	32.1	41.6	89.1	274.4				
4.8	5.9	11.3	12.5	14.3	17.8	23.2	51.7	85.5				
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				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	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: P227389

CATALOG NUMBER: IST-AF-600-LED-E1-SLR-7050

SLR-7050

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°	1165.8	1165.8	1165.8	1165.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1247.8	1260.3	1271.0	1279.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	1191.4	1220.5	1255.5	1285.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	1091.0	1127.8	1184.8	1219.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	996.0	1050.0	1112.4	1162.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	931.2	998.4	1057.7	1114.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	913.4	981.7	1035.2	1086.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	949.1	1017.4	1063.1	1094.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	1032.8	1105.9	1135.0	1132.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	1147.4	1224.0	1224.0	1200.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	1298.9	1354.1	1323.8	1278.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	1406.4	1458.0	1405.2	1330.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	1495.5	1533.5	1466.4	1376.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	1573.9	1601.8	1513.3	1424.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	1667.7	1677.8	1562.0	1467.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	1771.6	1779.9	1632.1	1514.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	1894.0	1864.3	1683.7	1557.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	1969.4	1920.7	1721.1	1580.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	2028.8	1962.3	1738.4	1593.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	2101.8	2023.4	1768.7	1617.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	2198.1	2108.4	1845.3	1684.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	2395.2	2284.2	1983.1	1801.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	2622.1	2517.0	2203.4	1994.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	2803.8	2733.2	2400.0	2169.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	2870.9	2840.7	2539.0	2316.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	2895.9	2922.0	2612.6	2407.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	2913.1	3026.6	2851.9	2676.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	2877.5	3043.8	2948.8	2841.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	2722.5	2921.4	2903.0	2808.6
								70°	2405.3	2626.9	2691.0	2556.8
								72.5°	1809.6	2084.6	2434.4	2224.2
								75°	1178.9	1433.1	2078.7	1905.3
								77.5°	738.2	894.4	1483.0	1334.5
								80°	491.2	574.9	941.3	857.0
								82.5°	369.4	407.4	647.4	608.8
								85°	194.8	248.3	503.6	638.5
								87.5°	73.1	81.4	378.9	570.7
								90°	0.0	0.0	0.6	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: P227389

CATALOG NUMBER: IST-AF-600-LED-E1-SLR-7050

CANDELA DISTRIBUTION (continued):

290°	295°	300°	305°	310°	315°	320°		270°	275°	280°	285°	290°
1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8	110°	0.0	0.0	0.0	0.0	0.0
1286.4	1297.1	1303.6	1298.9	1306.6	1308.4	1300.1	112.5°	0.0	0.0	0.0	0.0	0.0
1310.2	1339.9	1361.2	1376.1	1382.0	1387.4	1385.0	115°	0.0	0.0	0.0	0.0	0.0
1266.2	1311.9	1351.7	1379.1	1388.6	1395.7	1389.2	117.5°	0.0	0.0	0.0	0.0	0.0
1217.5	1265.0	1302.4	1329.8	1329.2	1336.3	1323.8	120°	0.0	0.0	0.0	0.0	0.0
1171.8	1218.1	1251.4	1250.2	1241.9	1221.1	1217.5	122.5°	0.0	0.0	0.0	0.0	0.0
1135.6	1159.9	1168.2	1166.4	1142.7	1130.8	1129.0	125°	0.0	0.0	0.0	0.0	0.0
1117.7	1116.5	1097.5	1076.8	1054.2	1053.0	1037.6	127.5°	0.0	0.0	0.0	0.0	0.0
1120.7	1082.1	1047.1	1011.4	987.1	981.7	983.5	130°	0.0	0.0	0.0	0.0	0.0
1158.1	1089.8	1023.9	987.7	959.2	950.8	954.4	132.5°	0.0	0.0	0.0	0.0	0.0
1205.0	1113.6	1031.6	976.4	953.2	943.1	944.9	135°	0.0	0.0	0.0	0.0	0.0
1236.5	1140.9	1057.2	988.9	957.4	947.9	953.8	137.5°	0.0	0.0	0.0	0.0	0.0
1276.9	1178.3	1091.6	1020.9	974.0	961.5	965.7	140°	0.0	0.0	0.0	0.0	0.0
1316.7	1218.7	1140.3	1060.1	1003.1	979.9	986.5	142.5°	0.0	0.0	0.0	0.0	0.0
1359.5	1265.6	1186.6	1113.6	1046.5	1010.2	1018.6	145°	0.0	0.0	0.0	0.0	0.0
1409.3	1320.3	1252.6	1185.4	1116.5	1086.3	1089.8	147.5°	0.0	0.0	0.0	0.0	0.0
1457.4	1373.7	1330.4	1280.5	1240.1	1193.8	1193.8	150°	0.0	0.0	0.0	0.0	0.0
1486.0	1443.2	1431.3	1417.1	1393.3	1360.0	1352.9	152.5°	0.0	0.0	0.0	0.0	0.0
1521.0	1525.7	1553.1	1581.6	1588.7	1556.0	1545.9	155°	0.0	0.0	0.0	0.0	0.0
1586.9	1636.8	1726.5	1804.3	1819.7	1846.5	1815.6	157.5°	0.0	0.0	0.0	0.0	0.0
1679.6	1771.6	1923.1	2050.2	2086.4	2088.8	2091.1	160°	0.0	0.0	0.0	0.0	0.0
1785.3	1917.1	2117.3	2268.7	2333.5	2350.7	2338.2	162.5°	0.0	0.0	0.0	0.0	0.0
1966.4	2085.8	2305.0	2468.3	2551.4	2591.8	2581.1	165°	0.0	0.0	0.0	0.0	0.0
2145.8	2294.3	2487.3	2648.2	2736.7	2781.9	2791.4	167.5°	0.0	0.0	0.0	0.0	0.0
2268.1	2407.1	2585.3	2733.8	2821.1	2875.1	2879.9	170°	0.0	0.0	0.0	0.0	0.0
2343.0	2470.1	2644.1	2774.7	2862.0	2907.8	2924.4	172.5°	0.0	0.0	0.0	0.0	0.0
2569.8	2593.0	2711.8	2797.9	2859.1	2879.9	2892.3	175°	0.0	0.0	0.0	0.0	0.0
2676.1	2579.3	2565.7	2619.1	2624.5	2610.8	2593.6	177.5°	0.0	0.0	0.0	0.0	0.0
2528.3	2302.0	2218.2	2211.1	2189.1	2180.2	2125.6	180°	0.0	0.0	0.0	0.0	0.0
2195.7	1869.6	1721.7	1641.6	1690.3	1688.5	1632.7						
1850.0	1518.0	1326.2	1211.0	1196.7	1194.3	1145.6						
1502.6	1191.4	1023.3	967.5	900.4	880.2	888.5						
1083.3	850.5	814.8	857.6	862.9	847.5	836.8						
682.4	639.6	674.1	751.9	797.6	777.4	785.1						
569.0	503.6	506.0	588.0	618.9	623.6	607.6						
631.3	504.2	413.4	403.3	392.6	247.1	343.9						
569.0	390.2	229.8	189.5	116.4	67.1	69.5						
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						



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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°	1165.8	1165.8	1165.8	1165.8	1165.8	1165.8
0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1298.3	1287.0	1274.5	1257.9	1260.9	1240.7
0.0	0.0	0.0	0.0	0.0	0.0	5°	1366.6	1347.0	1320.3	1286.4	1254.9	1214.5
0.0	0.0	0.0	0.0	0.0	0.0	7.5°	1359.5	1328.0	1283.4	1232.4	1190.8	1132.6
0.0	0.0	0.0	0.0	0.0	0.0	10°	1298.3	1257.3	1221.1	1168.2	1114.2	1063.1
0.0	0.0	0.0	0.0	0.0	0.0	12.5°	1212.8	1189.6	1158.1	1118.3	1066.1	1013.8
0.0	0.0	0.0	0.0	0.0	0.0	15°	1119.5	1121.3	1102.3	1091.6	1065.5	1023.9
0.0	0.0	0.0	0.0	0.0	0.0	17.5°	1042.9	1060.7	1070.8	1087.4	1090.4	1070.2
0.0	0.0	0.0	0.0	0.0	0.0	20°	991.8	1016.8	1048.2	1094.0	1142.1	1162.9
0.0	0.0	0.0	0.0	0.0	0.0	22.5°	963.3	994.2	1044.7	1127.8	1215.7	1268.6
0.0	0.0	0.0	0.0	0.0	0.0	25°	958.0	999.0	1069.6	1171.2	1285.2	1359.5
0.0	0.0	0.0	0.0	0.0	0.0	27.5°	966.9	1020.3	1104.1	1219.9	1332.1	1439.6
0.0	0.0	0.0	0.0	0.0	0.0	30°	995.4	1057.7	1149.2	1273.9	1390.3	1497.2
0.0	0.0	0.0	0.0	0.0	0.0	32.5°	1022.7	1099.9	1200.9	1322.6	1439.6	1545.9
0.0	0.0	0.0	0.0	0.0	0.0	35°	1066.7	1144.5	1247.8	1360.0	1473.5	1594.0
0.0	0.0	0.0	0.0	0.0	0.0	37.5°	1133.8	1202.1	1284.6	1389.2	1507.3	1632.1
0.0	0.0	0.0	0.0	0.0	0.0	40°	1229.4	1274.5	1328.0	1410.5	1524.0	1657.6
0.0	0.0	0.0	0.0	0.0	0.0	42.5°	1372.5	1382.0	1400.4	1443.2	1538.8	1687.3
0.0	0.0	0.0	0.0	0.0	0.0	45°	1557.2	1528.7	1512.7	1506.7	1572.1	1706.3
0.0	0.0	0.0	0.0	0.0	0.0	47.5°	1771.6	1715.8	1651.7	1620.8	1636.2	1736.6
0.0	0.0	0.0	0.0	0.0	0.0	50°	2050.8	1959.9	1834.0	1744.9	1737.2	1825.7
0.0	0.0	0.0	0.0	0.0	0.0	52.5°	2306.7	2188.0	2029.4	1924.3	1881.5	1992.0
0.0	0.0	0.0	0.0	0.0	0.0	55°	2548.5	2457.0	2277.6	2147.0	2132.1	2212.3
0.0	0.0	0.0	0.0	0.0	0.0	57.5°	2760.5	2681.5	2534.8	2364.3	2370.3	2448.1
0.0	0.0	0.0	0.0	0.0	0.0	59°	2870.4	2804.4	2668.4	2495.0	2508.1	2615.0
0.0	0.0	0.0	0.0	0.0	0.0	60°	2909.6	2854.3	2724.8	2578.7	2595.4	2706.4
0.0	0.0	0.0	0.0	0.0	0.0	62.5°	2906.6	2870.9	2777.1	2708.2	2793.1	2874.5
0.0	0.0	0.0	0.0	0.0	0.0	65°	2629.2	2575.2	2564.5	2685.1	2849.0	2927.4
0.0	0.0	0.0	0.0	0.0	0.0	67.5°	2091.1	2116.7	2218.2	2425.5	2700.5	2814.5
						70°	1553.1	1598.2	1733.6	1993.7	2371.5	2568.7
						72.5°	1142.1	1187.2	1311.9	1597.0	1951.0	2125.6
						75°	896.2	909.9	999.5	1223.4	1537.6	1680.8
						77.5°	827.9	786.9	750.1	870.1	1037.0	1159.9
						80°	770.9	693.1	606.4	642.6	683.0	813.7
						82.5°	598.7	547.0	479.3	525.6	544.6	548.8
						85°	350.4	311.8	394.9	559.5	553.5	484.6
						87.5°	123.5	160.4	180.5	310.0	374.8	324.3
						90°	0.0	1.8	5.3	5.9	8.9	3.0
						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: P227389

CATALOG NUMBER: IST-AF-600-LED-E1-SLR-7050

CANDELA DISTRIBUTION (continued):

355°	359°	360°		325°	330°	335°	340°	345°	350°	355°
1165.8	1165.8	1165.8	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1224.6	1208.0	1206.8	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1182.5	1145.1	1133.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1082.1	1038.7	1029.8	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
997.8	949.7	941.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
954.4	908.7	898.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
971.0	920.6	915.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1033.4	979.9	982.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1140.3	1105.9	1097.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1280.5	1243.0	1232.4	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1399.8	1380.8	1373.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1486.0	1494.9	1487.7	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1554.9	1584.5	1581.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1625.5	1683.1	1685.5	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1677.8	1779.3	1800.1	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1744.9	1880.9	1902.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1796.0	1955.7	1981.9	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1845.9	2017.5	2046.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1886.8	2078.7	2107.8	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1933.2	2138.1	2166.6	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2016.3	2231.3	2265.2	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2195.1	2404.1	2452.2	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2453.4	2642.9	2680.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2686.2	2805.0	2815.1	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2781.9	2849.6	2846.6	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2851.9	2860.3	2843.6	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2890.0	2811.0	2782.5	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2790.8	2680.9	2643.5	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2504.5	2446.3	2403.5	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2130.3	1983.1	1955.1								
1614.8	1420.6	1379.1								
1128.4	895.6	839.2								
741.8	574.9	553.5								
481.1	381.9	375.3								
335.6	250.6	231.0								
206.1	83.7	80.2								
64.1	38.6	34.4								
1.8	2.4	2.4								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								

