

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: P227398

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35948)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: IST-AF-1000-LED-E1-SLR
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: 5341.4 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U1 - G2

Input Watts (W): 54.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

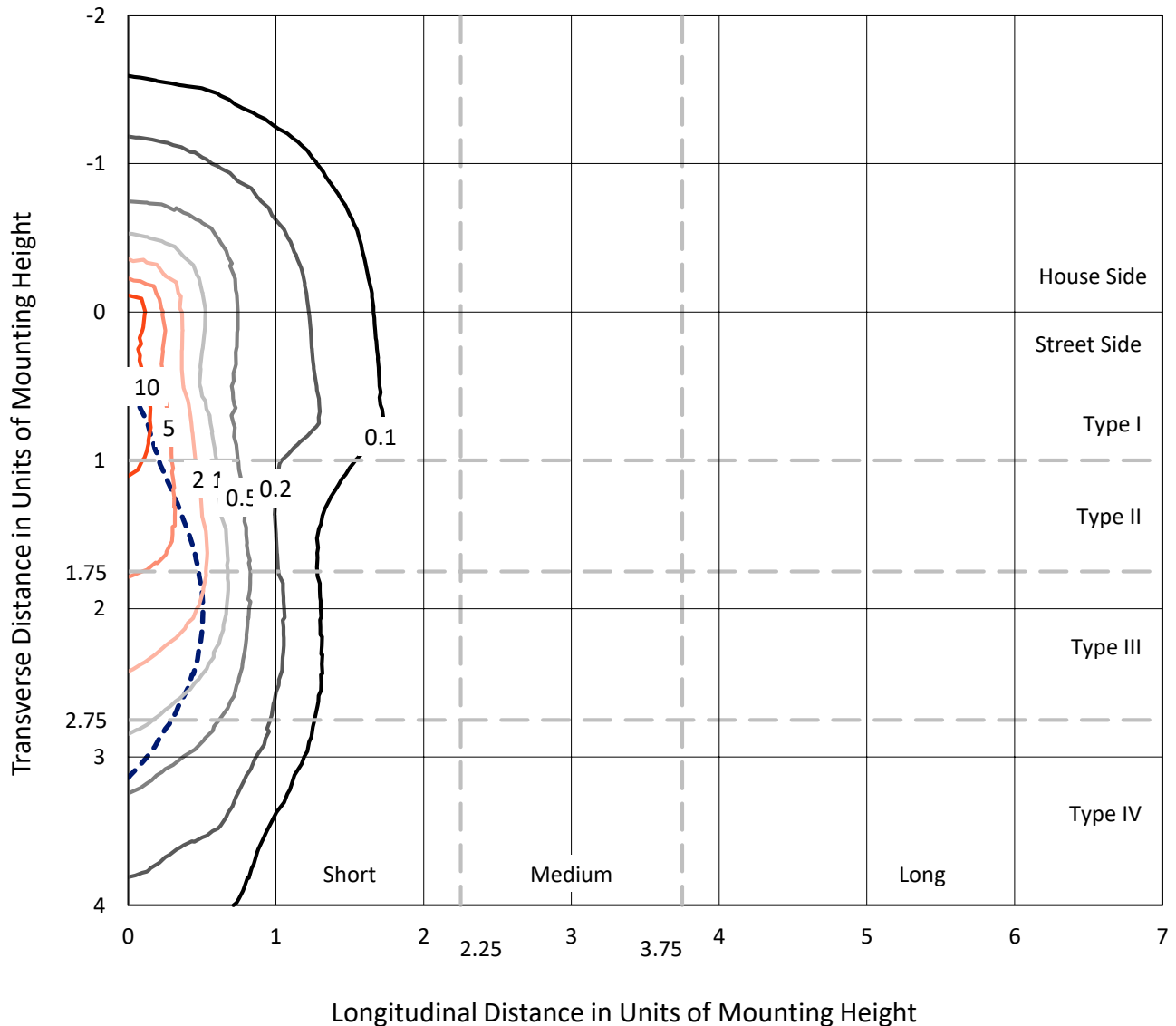


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

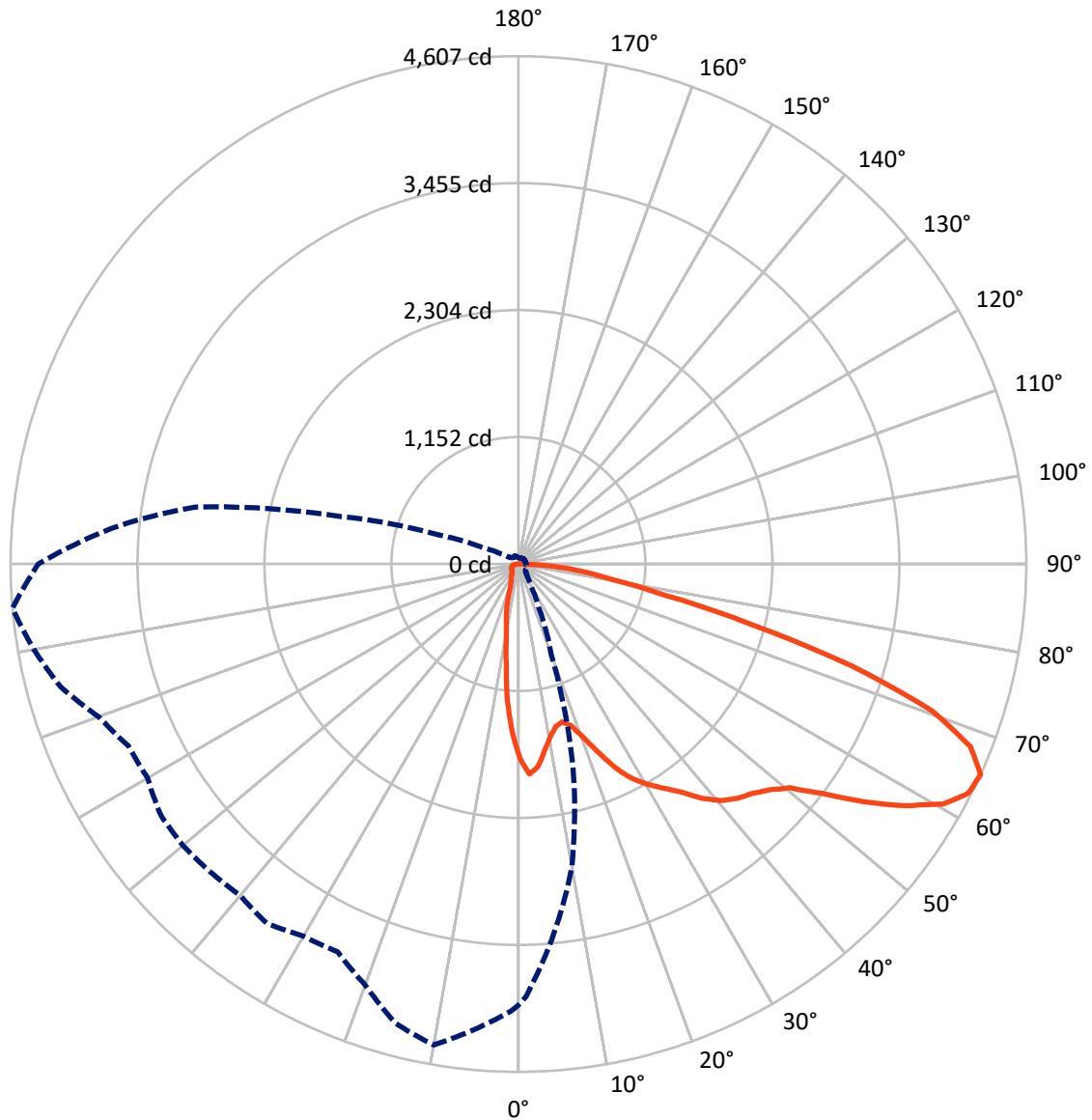


Based on 10 foot mounting height. Maximum calculated value = 17.6 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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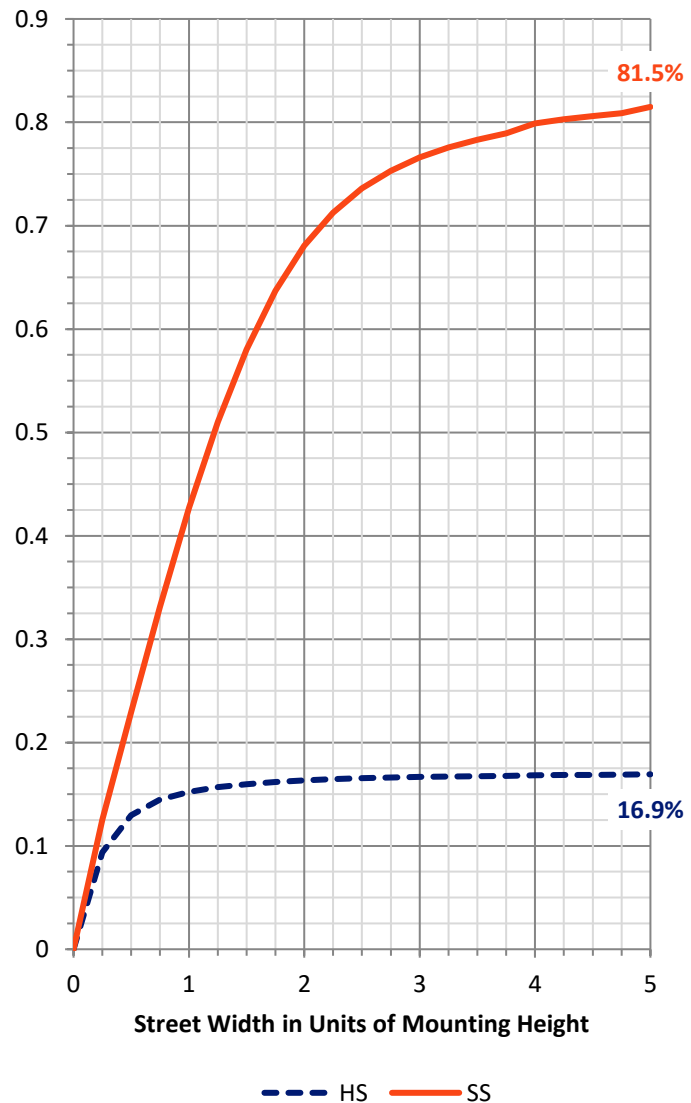
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	916.2	0.0	916.3
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	4424.9	0.2	4425.1
	% Fixture	82.8	0.0	82.8
Total	Lumens	5341.2	0.2	5341.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.7	2.4
10°-20°	251.5	4.7
20°-30°	358.7	6.7
30°-40°	520.3	9.7
40°-50°	744.4	13.9
50°-60°	1142.9	21.4
60°-70°	1322.9	24.8
70°-80°	674.9	12.6
80°-90°	194.8	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°	5341.2	100.0
0°-180°	5341.4	100.0



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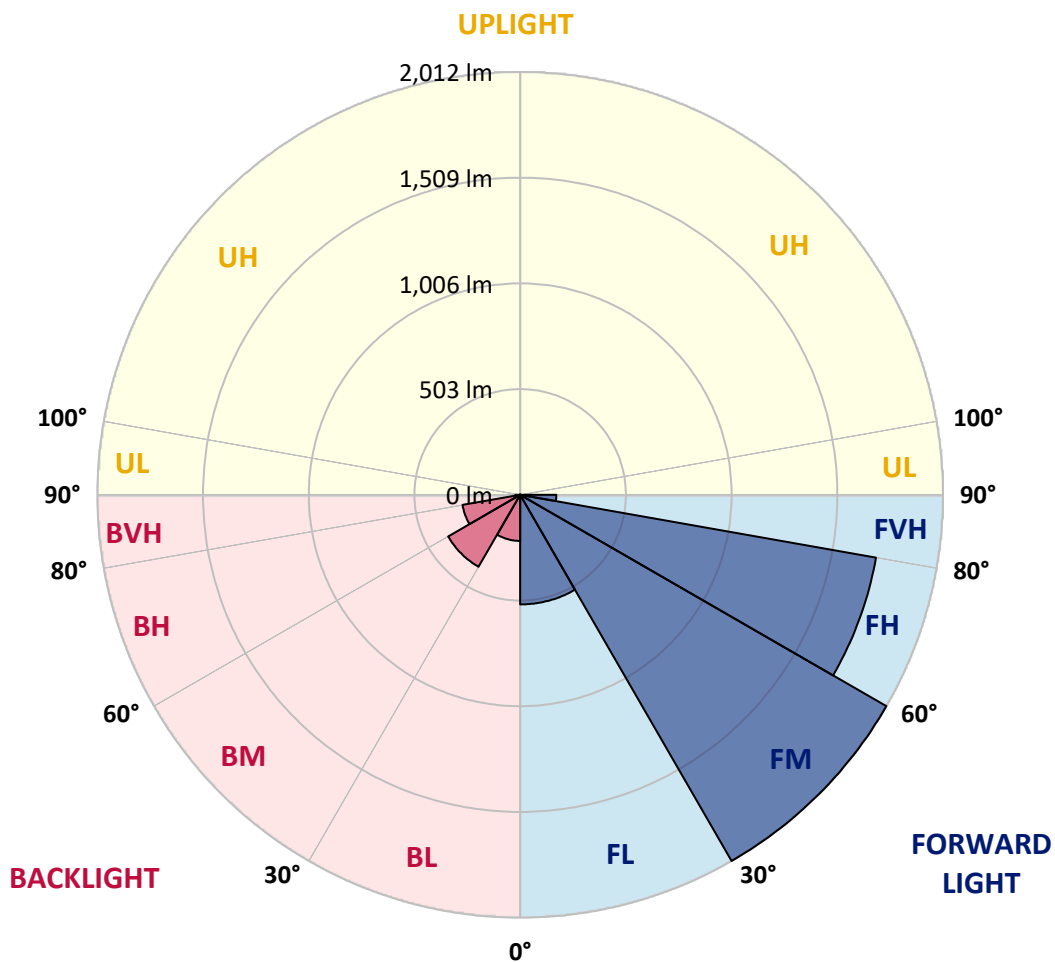
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	521.7	9.8			
FM	(30°-60°)	2012.0	37.7			
FH	(60°-80°)	1719.1	32.2			G1/1800
FVH	(80°-90°)	172.1	3.2			G2/225
BL	(0°-30°)	219.3	4.1	B1/500		
BM	(30°-60°)	395.6	7.4	B1/1000		
BH	(60°-80°)	278.7	5.2	B1/500		G1/500
BVH	(80°-90°)	22.6	0.4			G1/100
UL	(90°-100°)	0.2	0.0		U1/10	
UH	(100°-180°)	0.0	0.0		U1/10	

BUG Rating: B1-U1-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6
2.5°	1826.6	1815.8	1802.3	1778.9	1758.2	1728.6	1721.4	1684.6	1661.2	1666.6	1624.3
5°	1715.2	1708.8	1675.6	1623.4	1589.3	1521.8	1483.2	1463.4	1407.7	1400.5	1385.3
7.5°	1558.8	1539.8	1485.9	1421.2	1362.8	1313.4	1251.3	1203.6	1161.4	1135.4	1089.4
10°	1424.8	1405.0	1346.6	1267.4	1197.4	1128.1	1077.8	1015.8	955.5	908.8	872.0
12.5°	1360.1	1338.5	1270.2	1178.4	1100.3	1013.9	943.0	881.9	848.5	825.2	794.6
15°	1385.3	1353.8	1271.9	1162.3	1065.2	973.5	898.0	832.4	792.9	756.9	721.0
17.5°	1486.9	1448.2	1354.7	1222.5	1087.7	969.0	861.1	786.5	723.6	669.7	621.1
20°	1661.2	1632.4	1496.7	1311.5	1136.2	971.7	829.7	731.7	655.3	587.0	522.3
22.5°	1865.2	1822.1	1689.1	1432.0	1198.3	987.9	810.0	685.9	595.1	503.4	433.3
25°	2079.2	2045.9	1869.7	1593.8	1293.5	1021.2	794.6	645.4	524.1	422.5	345.1
27.5°	2251.8	2222.2	2047.7	1749.3	1380.8	1050.0	772.1	606.8	467.5	345.1	259.8
30°	2392.9	2367.7	2185.2	1876.9	1486.9	1059.8	740.7	561.8	404.5	278.7	214.8
32.5°	2551.1	2523.3	2317.4	1965.9	1534.4	1050.9	704.7	519.6	354.1	246.3	184.2
35°	2724.6	2692.3	2464.8	2062.2	1574.0	1019.4	674.2	489.0	329.9	223.8	163.6
37.5°	2879.2	2858.5	2597.9	2157.4	1618.9	967.2	644.6	455.7	313.7	207.7	147.4
40°	2999.7	2994.3	2745.3	2236.5	1654.0	929.5	620.2	429.6	293.1	201.3	142.0
42.5°	3096.8	3094.9	2865.8	2307.6	1663.0	896.2	601.4	406.3	274.2	186.1	144.7
45°	3190.3	3189.4	2982.6	2406.4	1669.3	898.0	587.0	391.9	258.0	176.2	136.7
47.5°	3279.3	3292.8	3104.9	2544.0	1735.8	928.6	581.6	378.5	245.4	165.4	129.4
50°	3428.5	3415.0	3298.1	2730.1	1842.7	987.9	572.6	366.7	233.7	155.5	122.2
52.5°	3711.7	3696.3	3592.1	2979.0	1959.7	1049.0	560.9	350.6	220.2	144.7	114.2
55°	4057.7	4078.4	3933.7	3281.9	2118.7	1100.3	548.3	329.0	202.2	132.2	108.7
57.5°	4260.9	4243.8	4078.4	3456.3	2216.7	1126.4	540.2	303.8	174.4	121.3	103.4
59°	4308.6	4279.7	4054.2	3486.0	2242.8	1113.8	535.7	279.6	160.0	116.0	100.7
60°	4304.1	4269.0	4015.5	3467.1	2250.0	1098.4	528.6	265.1	151.9	113.2	99.7
62.5°	4211.4	4156.6	3796.2	3238.8	2149.3	1022.0	498.9	231.0	141.2	109.7	94.4
65°	4001.1	3923.7	3427.6	2793.0	1918.3	870.1	431.5	218.4	143.8	107.9	90.8
67.5°	3637.9	3575.9	2953.9	2311.2	1529.1	703.0	373.1	213.1	147.4	109.7	85.4
70°	2959.2	2906.2	2304.8	1730.4	1145.2	559.1	338.9	210.3	144.7	105.2	80.9
72.5°	2087.3	1995.6	1531.8	1211.8	726.3	449.5	294.0	198.7	141.2	101.6	73.8
75°	1270.2	1287.3	973.5	882.7	458.5	308.3	231.0	167.2	124.9	90.8	66.5
77.5°	837.8	836.9	718.2	623.0	232.8	191.5	163.6	128.6	98.0	74.6	57.5
80°	568.1	574.4	521.4	425.1	129.4	115.1	107.0	93.5	71.9	56.7	47.7
82.5°	349.6	350.6	403.7	318.2	86.3	72.8	68.3	62.9	51.2	44.1	36.8
85°	121.3	124.1	141.2	224.7	58.4	47.7	47.7	44.1	38.7	29.7	24.2
87.5°	52.2	51.2	61.2	61.2	28.7	24.2	22.5	22.5	21.6	16.2	13.5
90°	3.6	2.7	2.7	3.6	4.5	6.3	5.4	6.3	6.3	5.4	3.6
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



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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°	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6
2.5°	1611.8	1601.8	1574.0	1566.9	1575.9	1557.9	1553.4	1548.8	1515.6	1532.7	1512.8
5°	1347.4	1344.8	1288.2	1299.9	1288.2	1268.4	1260.3	1279.2	1245.9	1253.1	1257.6
7.5°	1035.5	1024.8	987.0	961.9	946.5	933.0	916.0	888.1	909.7	905.2	939.4
10°	840.5	817.1	793.7	758.7	738.9	720.1	700.2	689.5	664.3	661.6	649.9
12.5°	770.4	737.1	707.5	676.9	656.2	618.5	587.0	567.2	551.1	525.9	507.0
15°	676.9	649.1	610.4	580.7	548.3	514.1	483.7	458.5	446.7	423.4	412.6
17.5°	582.5	540.2	493.5	463.8	418.9	383.8	358.6	342.5	325.4	311.0	298.4
20°	469.2	414.4	364.1	326.3	291.2	257.1	245.4	225.7	218.4	213.1	217.6
22.5°	356.9	300.2	248.1	219.3	200.5	191.5	181.6	178.0	175.3	174.4	176.2
25°	261.6	213.9	188.7	178.0	170.8	165.4	161.8	159.1	157.3	156.4	157.3
27.5°	202.2	177.1	164.5	157.3	151.9	148.3	146.5	143.8	142.9	142.0	142.9
30°	175.3	161.8	152.8	145.7	139.3	133.1	130.3	129.4	130.3	131.2	130.3
32.5°	152.8	142.9	133.1	126.7	122.2	118.7	118.7	116.8	116.8	119.6	120.5
35°	138.4	128.6	121.3	113.2	107.9	104.2	101.6	99.7	100.7	100.7	103.4
37.5°	126.7	119.6	113.2	106.1	100.7	97.1	95.2	93.5	92.6	91.7	91.7
40°	118.7	114.2	108.7	101.6	96.2	92.6	90.8	89.0	88.1	87.2	87.2
42.5°	118.7	109.7	106.1	99.7	93.5	89.9	87.2	85.4	83.6	83.6	83.6
45°	130.3	112.3	106.1	98.9	92.6	88.1	85.4	82.7	80.9	80.9	80.0
47.5°	126.7	125.8	107.9	98.9	93.5	88.1	84.5	81.8	80.0	79.1	78.3
50°	120.5	131.2	120.5	101.6	93.5	87.2	83.6	80.9	78.3	77.3	77.3
52.5°	116.8	122.2	124.9	105.2	94.4	87.2	82.7	80.0	78.3	76.4	75.5
55°	107.9	115.1	119.6	103.4	94.4	85.4	80.9	78.3	75.5	74.6	73.8
57.5°	98.9	104.2	115.1	103.4	91.7	84.5	79.1	75.5	73.8	72.8	71.9
59°	96.2	96.2	102.5	106.1	89.9	83.6	78.3	74.6	72.8	71.9	70.1
60°	93.5	93.5	97.1	108.7	89.0	82.7	77.3	73.8	71.0	71.0	70.1
62.5°	89.9	87.2	89.0	101.6	86.3	80.9	75.5	71.9	69.3	69.3	68.3
65°	85.4	81.8	81.8	84.5	80.9	77.3	73.8	70.1	66.5	66.5	67.4
67.5°	80.9	77.3	76.4	76.4	74.6	73.8	70.1	66.5	64.8	64.8	64.8
70°	74.6	71.9	71.0	69.3	69.3	68.3	65.6	62.9	61.2	62.0	61.2
72.5°	67.4	65.6	63.8	63.8	62.9	62.0	59.3	57.5	56.7	57.5	57.5
75°	60.3	57.5	57.5	55.8	55.8	54.8	52.2	51.2	50.3	51.2	52.2
77.5°	51.2	49.4	48.6	48.6	48.6	48.6	44.9	44.1	44.1	45.8	45.8
80°	42.2	41.3	40.4	40.4	40.4	39.6	37.7	36.8	36.8	37.7	38.7
82.5°	32.3	30.6	30.6	31.5	32.3	32.3	29.7	27.8	27.8	29.7	31.5
85°	21.6	21.6	21.6	22.5	22.5	23.3	21.6	18.9	19.7	20.7	23.3
87.5°	11.7	12.6	11.7	10.7	12.6	11.7	11.7	10.7	11.7	12.6	13.5
90°	3.6	3.6	2.7	1.8	0.9	1.8	1.8	2.7	0.9	0.9	1.8
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: P227398

CATALOG NUMBER: IST-AF-1000-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: P227398

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

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6
2.5°	1530.8	1515.6	1507.5	1538.9	1536.3	1509.3	1509.3	1528.2	1529.1	1512.8	1531.8
5°	1262.9	1247.7	1262.1	1249.5	1256.7	1255.8	1266.6	1246.8	1254.9	1247.7	1230.6
7.5°	936.7	967.2	983.5	962.7	988.8	1002.3	983.5	1002.3	972.6	948.4	971.7
10°	644.6	678.7	672.4	705.6	718.2	725.5	738.9	721.8	701.1	694.9	677.8
12.5°	499.8	492.7	489.9	503.4	511.5	499.8	509.7	498.9	488.2	469.2	468.3
15°	391.1	379.3	371.2	356.0	350.6	353.2	357.7	357.7	336.2	337.1	345.1
17.5°	296.7	294.0	287.7	275.1	267.0	269.6	268.7	264.3	261.6	263.4	273.2
20°	222.9	220.2	223.8	227.4	224.7	225.7	222.1	217.6	215.7	217.6	219.3
22.5°	176.2	179.8	184.2	189.7	190.6	195.1	194.2	195.1	191.5	189.7	185.2
25°	160.9	162.8	160.0	160.9	160.9	165.4	164.5	164.5	160.9	160.0	160.9
27.5°	142.0	141.2	141.2	142.9	142.9	145.7	147.4	145.7	142.0	141.2	142.0
30°	131.2	130.3	129.4	130.3	129.4	130.3	132.2	132.2	130.3	127.7	128.6
32.5°	120.5	120.5	119.6	120.5	119.6	119.6	121.3	118.7	118.7	117.7	117.7
35°	106.1	107.9	109.7	110.6	110.6	110.6	112.3	109.7	108.7	107.9	107.9
37.5°	91.7	93.5	98.9	101.6	102.5	104.2	105.2	103.4	101.6	99.7	98.0
40°	87.2	87.2	89.0	92.6	96.2	97.1	98.9	96.2	95.2	92.6	89.9
42.5°	83.6	84.5	84.5	85.4	86.3	88.1	90.8	88.1	86.3	84.5	81.8
45°	80.9	80.9	80.9	80.9	80.0	80.0	80.9	79.1	78.3	77.3	77.3
47.5°	79.1	78.3	77.3	76.4	75.5	74.6	74.6	72.8	72.8	72.8	72.8
50°	77.3	75.5	74.6	73.8	71.9	71.9	71.9	70.1	69.3	69.3	70.1
52.5°	74.6	73.8	72.8	71.9	71.0	70.1	70.1	68.3	67.4	67.4	67.4
55°	73.8	72.8	71.0	70.1	69.3	70.1	69.3	68.3	66.5	66.5	66.5
57.5°	71.0	71.9	71.0	69.3	69.3	69.3	69.3	67.4	66.5	64.8	65.6
59°	70.1	71.0	70.1	69.3	68.3	69.3	69.3	66.5	65.6	64.8	64.8
60°	69.3	70.1	69.3	68.3	68.3	69.3	68.3	67.4	65.6	62.9	63.8
62.5°	68.3	68.3	67.4	67.4	66.5	67.4	66.5	64.8	62.9	61.2	60.3
65°	66.5	66.5	65.6	65.6	64.8	64.8	64.8	62.9	61.2	59.3	59.3
67.5°	65.6	64.8	63.8	63.8	62.9	62.9	62.9	61.2	58.4	57.5	56.7
70°	62.0	61.2	61.2	60.3	59.3	60.3	61.2	58.4	55.8	53.9	53.0
72.5°	58.4	57.5	57.5	56.7	56.7	57.5	58.4	55.8	52.2	50.3	49.4
75°	53.0	52.2	52.2	52.2	52.2	53.9	53.9	51.2	48.6	45.8	44.1
77.5°	45.8	46.7	46.7	46.7	46.7	48.6	48.6	46.7	44.1	42.2	39.6
80°	39.6	39.6	40.4	40.4	41.3	41.3	40.4	39.6	38.7	36.8	33.2
82.5°	33.2	33.2	33.2	33.2	33.2	32.3	30.6	32.3	32.3	30.6	27.8
85°	26.1	26.1	26.1	27.0	27.0	24.2	21.6	21.6	24.2	23.3	21.6
87.5°	15.2	15.2	16.2	18.9	17.1	16.2	13.5	14.4	13.5	15.2	12.6
90°	3.6	2.7	2.7	0.9	1.8	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: P227398
 CATALOG NUMBER: IST-AF-1000-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: P227398
 NUMBER: IST-AF-1000-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°
1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	110°	0.0
1533.5	1537.2	1545.3	1542.5	1572.2	1563.2	1583.9	1611.8	1637.8	1625.3	1628.8	112.5°	0.0
1261.2	1265.7	1231.5	1252.2	1282.8	1270.2	1265.7	1307.0	1297.1	1343.9	1305.2	115°	0.0
934.0	923.2	907.1	899.0	876.5	876.5	918.7	937.5	934.9	967.2	1000.5	117.5°	0.0
656.2	643.6	623.9	618.5	640.9	651.7	670.5	689.5	714.6	751.5	773.0	120°	0.0
481.8	477.3	481.8	495.3	516.0	531.2	560.1	593.3	621.1	650.8	679.5	122.5°	0.0
364.1	373.1	384.7	393.7	409.9	438.6	454.0	490.8	516.0	542.1	575.3	125°	0.0
283.2	288.6	291.2	294.8	308.3	329.0	329.0	366.7	400.0	434.1	462.1	127.5°	0.0
215.7	215.7	206.7	212.2	213.9	212.2	222.9	244.5	266.1	288.6	332.6	130°	0.0
180.7	175.3	172.6	171.7	172.6	176.2	182.5	190.6	194.2	204.1	221.2	132.5°	0.0
160.0	159.1	156.4	156.4	158.3	159.1	165.4	172.6	174.4	177.1	183.4	135°	0.0
141.2	142.9	145.7	144.7	145.7	147.4	151.9	158.3	161.8	162.8	167.2	137.5°	0.0
127.7	129.4	130.3	133.1	133.1	133.9	137.5	143.8	146.5	151.0	155.5	140°	0.0
118.7	119.6	120.5	119.6	120.5	120.5	124.9	131.2	134.8	137.5	140.2	142.5°	0.0
108.7	107.9	107.9	107.9	105.2	104.2	106.1	112.3	113.2	116.0	122.2	145°	0.0
97.1	94.4	92.6	92.6	92.6	93.5	98.0	104.2	105.2	107.9	113.2	147.5°	0.0
86.3	85.4	85.4	86.3	87.2	89.0	92.6	98.9	99.7	102.5	107.0	150°	0.0
80.9	80.9	80.9	81.8	82.7	83.6	88.1	94.4	96.2	98.9	104.2	152.5°	0.0
77.3	78.3	77.3	77.3	78.3	80.0	84.5	91.7	94.4	97.1	102.5	155°	0.0
74.6	74.6	74.6	75.5	75.5	77.3	82.7	89.9	91.7	95.2	103.4	157.5°	0.0
71.0	72.8	71.9	72.8	73.8	75.5	80.9	88.1	90.8	96.2	105.2	160°	0.0
69.3	69.3	69.3	70.1	71.9	72.8	77.3	85.4	89.0	96.2	110.6	162.5°	0.0
68.3	66.5	66.5	67.4	69.3	71.0	75.5	83.6	88.1	95.2	109.7	165°	0.0
67.4	64.8	63.8	64.8	66.5	67.4	72.8	80.9	87.2	92.6	106.1	167.5°	0.0
64.8	62.9	62.0	62.9	64.8	66.5	71.0	79.1	83.6	90.8	101.6	170°	0.0
63.8	61.2	61.2	62.0	63.8	64.8	69.3	77.3	81.8	91.7	104.2	172.5°	0.0
60.3	59.3	59.3	60.3	60.3	62.0	67.4	75.5	79.1	93.5	87.2	175°	0.0
57.5	57.5	57.5	57.5	58.4	59.3	65.6	73.8	75.5	80.9	74.6	177.5°	0.0
55.8	55.8	55.8	55.8	55.8	57.5	62.9	71.0	71.9	71.0	68.3	180°	0.0
52.2	52.2	52.2	52.2	53.0	53.9	59.3	66.5	66.5	64.8	64.8		
49.4	48.6	48.6	48.6	48.6	49.4	54.8	62.0	61.2	60.3	60.3		
44.1	44.1	44.1	44.1	44.1	44.1	49.4	56.7	55.8	54.8	53.9		
38.7	38.7	39.6	38.7	37.7	36.8	42.2	50.3	50.3	49.4	48.6		
33.2	32.3	33.2	32.3	30.6	30.6	35.1	42.2	43.2	42.2	40.4		
27.0	26.1	26.1	26.1	22.5	22.5	27.0	34.2	34.2	33.2	31.5		
20.7	19.7	18.9	18.0	15.2	15.2	18.9	25.2	26.1	22.5	21.6		
10.7	10.7	10.7	8.1	7.2	6.3	9.9	15.2	15.2	12.6	10.7		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'227398
 IST-AF-1000-LED-E1-SLR

REPORT NUMBER: P227398
 CATALOG NUMBER: IST-AF-10

TION (continued):

CANDELA DISTRIBUTION (con

165°	170°	175°	180°	185°	190°	195°	200°	205°	210°		215°	220°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	1764.6	1764.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1651.3	1659.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	1334.0	1365.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	1008.6	1050.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	808.1	836.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	709.2	750.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	608.6	653.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	498.9	553.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	381.2	435.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	267.9	313.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	195.1	215.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	173.5	181.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	162.8	168.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	146.5	151.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	128.6	135.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	119.6	124.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	114.2	115.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	109.7	109.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	107.0	109.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	108.7	120.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	122.2	118.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	124.9	111.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	114.2	107.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	102.5	93.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	91.7	86.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	85.4	83.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	78.3	80.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	72.8	76.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	70.1	72.8
										70°	65.6	67.4
										72.5°	61.2	62.0
										75°	54.8	55.8
										77.5°	48.6	48.6
										80°	39.6	39.6
										82.5°	30.6	29.7
										85°	19.7	18.9
										87.5°	9.0	7.2
										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: P227398

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

00-LED-E1-SLR

tinued):

CANDELA DISTRIBUTION (continued):

225°	230°	235°	240°	245°	250°	255°	260°	265°		215°	220°	225°
1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	110°	0.0	0.0	0.0
1699.8	1725.0	1744.8	1741.2	1783.4	1808.6	1812.3	1838.2	1863.5	112.5°	0.0	0.0	0.0
1390.6	1425.7	1459.9	1485.0	1551.5	1606.3	1648.6	1693.6	1746.6	115°	0.0	0.0	0.0
1108.4	1138.0	1193.8	1234.2	1304.4	1368.2	1430.2	1501.2	1561.4	117.5°	0.0	0.0	0.0
868.4	906.1	958.2	1033.8	1096.7	1169.5	1247.7	1315.1	1415.8	120°	0.0	0.0	0.0
780.3	803.6	846.8	882.7	961.0	1038.3	1126.4	1218.9	1311.5	122.5°	0.0	0.0	0.0
689.5	730.8	771.3	823.4	891.7	976.2	1071.5	1171.3	1275.5	125°	0.0	0.0	0.0
601.4	656.2	700.2	756.9	833.3	940.3	1064.3	1188.4	1310.6	127.5°	0.0	0.0	0.0
493.5	544.7	622.1	679.5	779.4	913.3	1072.5	1244.1	1409.5	130°	0.0	0.0	0.0
388.3	443.1	531.2	616.6	726.3	899.0	1104.8	1335.8	1556.9	132.5°	0.0	0.0	0.0
277.7	352.4	439.6	547.5	680.5	890.0	1148.8	1449.0	1746.6	135°	0.0	0.0	0.0
207.7	259.8	365.9	483.7	629.2	873.7	1195.5	1554.3	1876.1	137.5°	0.0	0.0	0.0
185.2	222.1	291.2	415.3	566.3	842.3	1230.6	1654.0	1993.8	140°	0.0	0.0	0.0
161.8	190.6	245.4	350.6	509.7	793.7	1245.9	1707.0	2075.6	142.5°	0.0	0.0	0.0
142.0	169.0	224.7	325.4	480.9	738.9	1243.2	1760.1	2178.1	145°	0.0	0.0	0.0
129.4	152.8	215.7	319.2	458.5	688.5	1245.9	1845.5	2330.0	147.5°	0.0	0.0	0.0
119.6	146.5	208.6	305.7	447.6	660.7	1256.7	1921.0	2460.3	150°	0.0	0.0	0.0
119.6	144.7	190.6	286.7	442.2	663.4	1261.2	1979.4	2557.4	152.5°	0.0	0.0	0.0
125.8	135.7	177.1	276.0	445.9	683.2	1255.8	2038.7	2651.8	155°	0.0	0.0	0.0
119.6	126.7	168.1	274.2	445.9	697.6	1271.9	2112.5	2775.9	157.5°	0.0	0.0	0.0
113.2	117.7	165.4	271.5	436.9	711.1	1338.5	2250.0	2937.7	160°	0.0	0.0	0.0
105.2	110.6	161.8	267.0	427.0	728.1	1456.3	2481.1	3205.5	162.5°	0.0	0.0	0.0
95.2	106.1	156.4	259.8	420.7	758.7	1576.7	2714.7	3524.7	165°	0.0	0.0	0.0
91.7	101.6	143.8	242.7	414.4	792.0	1705.3	2938.5	3811.4	167.5°	0.0	0.0	0.0
89.0	98.0	133.1	230.2	409.0	808.1	1743.9	3023.9	3922.0	170°	0.0	0.0	0.0
87.2	96.2	126.7	219.3	402.7	809.1	1771.8	3056.4	3938.2	172.5°	0.0	0.0	0.0
84.5	92.6	114.2	196.8	382.9	808.1	1774.5	3077.0	3891.4	175°	0.0	0.0	0.0
80.0	89.0	115.1	185.2	347.0	770.4	1663.0	2977.2	3705.3	177.5°	0.0	0.0	0.0
76.4	86.3	121.3	187.9	309.2	673.3	1454.4	2667.1	3307.1	180°	0.0	0.0	0.0
71.0	84.5	126.7	194.2	298.4	559.1	1100.3	2178.1	2769.5				
65.6	83.6	131.2	198.7	286.7	460.2	762.3	1544.3	2072.9				
59.3	76.4	119.6	169.0	237.3	334.4	490.8	1010.4	1429.3				
51.2	61.2	87.2	118.7	174.4	233.7	290.3	610.4	934.9				
42.2	45.8	62.0	76.4	116.0	138.4	160.9	344.3	653.6				
31.5	32.3	42.2	48.6	65.6	76.4	96.2	211.2	529.5				
18.0	20.7	28.7	32.3	39.6	48.6	62.9	134.8	415.3				
7.2	9.0	17.1	18.9	21.6	27.0	35.1	78.3	129.4				
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				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	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: P227398

CATALOG NUMBER: IST-AF-1000-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°	1764.6	1764.6	1764.6	1764.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1888.7	1907.5	1923.7	1936.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	1803.3	1847.2	1900.3	1945.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	1651.3	1707.0	1793.3	1846.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	1507.5	1589.3	1683.7	1760.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	1409.5	1511.1	1601.0	1686.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	1382.5	1485.9	1566.9	1645.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	1436.4	1539.8	1609.1	1656.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	1563.2	1673.8	1717.8	1714.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	1736.7	1852.7	1852.7	1816.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	1965.9	2049.6	2003.7	1935.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	2128.7	2206.8	2126.8	2014.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	2263.5	2321.0	2219.4	2083.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	2382.1	2424.4	2290.5	2156.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	2524.1	2539.5	2364.1	2221.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	2681.5	2694.0	2470.2	2292.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	2866.6	2821.7	2548.5	2357.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	2980.8	2907.1	2605.0	2392.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	3070.7	2970.0	2631.1	2411.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	3181.3	3062.6	2677.0	2447.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	3326.9	3191.2	2793.0	2549.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	3625.3	3457.3	3001.5	2726.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	3968.7	3809.6	3335.0	3018.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	4243.8	4136.8	3632.5	3282.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	4345.4	4299.6	3842.9	3506.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	4383.1	4422.7	3954.3	3643.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	4409.2	4580.9	4316.6	4051.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	4355.3	4607.0	4463.1	4300.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	4120.7	4421.8	4393.9	4251.0
								70°	3640.6	3975.9	4073.0	3869.8
								72.5°	2739.1	3155.2	3684.7	3366.4
								75°	1784.3	2169.1	3146.2	2883.7
								77.5°	1117.4	1353.8	2244.6	2019.9
								80°	743.4	870.1	1424.8	1297.1
								82.5°	559.1	616.6	979.8	921.4
								85°	294.8	375.7	762.3	966.4
								87.5°	110.6	123.2	573.5	863.9
								90°	0.0	0.0	0.9	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: P227398
 CATALOG NUMBER: IST-AF-1000-LED-E1-SLR

CANDELA DISTRIBUTION (continued):

290°	295°	300°	305°	310°	315°	320°		270°	275°	280°	285°	290°
1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6	110°	0.0	0.0	0.0	0.0	0.0
1947.1	1963.2	1973.2	1965.9	1977.7	1980.3	1967.7	112.5°	0.0	0.0	0.0	0.0	0.0
1983.0	2028.0	2060.3	2082.8	2091.8	2099.9	2096.2	115°	0.0	0.0	0.0	0.0	0.0
1916.5	1985.8	2045.9	2087.3	2101.7	2112.5	2102.6	117.5°	0.0	0.0	0.0	0.0	0.0
1842.7	1914.7	1971.3	2012.7	2011.7	2022.6	2003.7	120°	0.0	0.0	0.0	0.0	0.0
1773.6	1843.7	1894.0	1892.3	1879.7	1848.2	1842.7	122.5°	0.0	0.0	0.0	0.0	0.0
1718.8	1755.6	1768.2	1765.5	1729.5	1711.5	1708.8	125°	0.0	0.0	0.0	0.0	0.0
1691.8	1690.0	1661.2	1629.8	1595.6	1593.8	1570.4	127.5°	0.0	0.0	0.0	0.0	0.0
1696.3	1637.8	1584.8	1530.8	1494.0	1485.9	1488.6	130°	0.0	0.0	0.0	0.0	0.0
1752.9	1649.5	1549.8	1494.9	1451.8	1439.2	1444.6	132.5°	0.0	0.0	0.0	0.0	0.0
1823.9	1685.5	1561.4	1477.9	1442.8	1427.5	1430.2	135°	0.0	0.0	0.0	0.0	0.0
1871.6	1726.8	1600.1	1496.7	1449.0	1434.7	1443.7	137.5°	0.0	0.0	0.0	0.0	0.0
1932.7	1783.4	1652.2	1545.3	1474.3	1455.4	1461.6	140°	0.0	0.0	0.0	0.0	0.0
1992.9	1844.6	1725.9	1604.6	1518.3	1483.2	1493.1	142.5°	0.0	0.0	0.0	0.0	0.0
2057.7	1915.6	1796.0	1685.5	1583.9	1529.1	1541.7	145°	0.0	0.0	0.0	0.0	0.0
2133.2	1998.3	1895.8	1794.3	1690.0	1644.1	1649.5	147.5°	0.0	0.0	0.0	0.0	0.0
2206.0	2079.2	2013.6	1938.1	1876.9	1806.8	1806.8	150°	0.0	0.0	0.0	0.0	0.0
2249.1	2184.4	2166.4	2144.8	2108.9	2058.5	2047.7	152.5°	0.0	0.0	0.0	0.0	0.0
2302.2	2309.3	2350.6	2393.8	2404.7	2355.1	2339.9	155°	0.0	0.0	0.0	0.0	0.0
2401.9	2477.4	2613.1	2730.9	2754.3	2794.7	2748.0	157.5°	0.0	0.0	0.0	0.0	0.0
2542.1	2681.5	2910.7	3103.0	3158.0	3161.5	3165.1	160°	0.0	0.0	0.0	0.0	0.0
2702.1	2901.7	3204.6	3433.8	3531.8	3557.9	3539.0	162.5°	0.0	0.0	0.0	0.0	0.0
2976.3	3157.0	3488.7	3735.9	3861.7	3922.9	3906.8	165°	0.0	0.0	0.0	0.0	0.0
3247.8	3472.5	3764.7	4008.3	4142.2	4210.6	4224.9	167.5°	0.0	0.0	0.0	0.0	0.0
3433.0	3643.3	3913.0	4137.7	4269.9	4351.6	4358.9	170°	0.0	0.0	0.0	0.0	0.0
3546.3	3738.6	4002.0	4199.7	4331.9	4401.1	4426.3	172.5°	0.0	0.0	0.0	0.0	0.0
3889.7	3924.7	4104.5	4234.8	4327.4	4358.9	4377.7	175°	0.0	0.0	0.0	0.0	0.0
4050.6	3904.0	3883.3	3964.2	3972.3	3951.7	3925.6	177.5°	0.0	0.0	0.0	0.0	0.0
3826.7	3484.2	3357.4	3346.7	3313.4	3299.9	3217.3	180°	0.0	0.0	0.0	0.0	0.0
3323.3	2829.8	2606.0	2484.6	2558.3	2555.6	2471.1						
2800.1	2297.6	2007.3	1832.9	1811.3	1807.8	1734.0						
2274.2	1803.3	1548.8	1464.4	1362.8	1332.2	1344.8						
1639.6	1287.3	1233.3	1298.0	1306.1	1282.8	1266.6						
1032.9	968.1	1020.3	1138.0	1207.3	1176.7	1188.4						
861.1	762.3	765.9	890.0	936.7	943.9	919.6						
955.5	763.2	625.6	610.4	594.2	374.0	520.5						
861.1	590.5	347.9	286.7	176.2	101.6	105.2						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	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°	1764.6	1764.6	1764.6	1764.6	1764.6	1764.6
0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1965.1	1948.0	1929.1	1903.9	1908.4	1877.8
0.0	0.0	0.0	0.0	0.0	0.0	5°	2068.4	2038.7	1998.3	1947.1	1899.4	1838.2
0.0	0.0	0.0	0.0	0.0	0.0	7.5°	2057.7	2010.0	1942.6	1865.2	1802.3	1714.3
0.0	0.0	0.0	0.0	0.0	0.0	10°	1965.1	1903.0	1848.2	1768.2	1686.3	1609.1
0.0	0.0	0.0	0.0	0.0	0.0	12.5°	1835.6	1800.5	1752.9	1692.7	1613.6	1534.4
0.0	0.0	0.0	0.0	0.0	0.0	15°	1694.4	1697.2	1668.4	1652.2	1612.7	1549.8
0.0	0.0	0.0	0.0	0.0	0.0	17.5°	1578.5	1605.4	1620.8	1645.9	1650.4	1619.8
0.0	0.0	0.0	0.0	0.0	0.0	20°	1501.2	1538.9	1586.6	1655.9	1728.6	1760.1
0.0	0.0	0.0	0.0	0.0	0.0	22.5°	1458.0	1504.8	1581.2	1707.0	1840.1	1920.1
0.0	0.0	0.0	0.0	0.0	0.0	25°	1449.9	1512.0	1618.9	1772.7	1945.2	2057.7
0.0	0.0	0.0	0.0	0.0	0.0	27.5°	1463.4	1544.3	1671.1	1846.4	2016.2	2179.0
0.0	0.0	0.0	0.0	0.0	0.0	30°	1506.6	1601.0	1739.4	1928.2	2104.4	2266.1
0.0	0.0	0.0	0.0	0.0	0.0	32.5°	1547.9	1664.8	1817.6	2001.9	2179.0	2339.9
0.0	0.0	0.0	0.0	0.0	0.0	35°	1614.4	1732.3	1888.7	2058.5	2230.2	2412.7
0.0	0.0	0.0	0.0	0.0	0.0	37.5°	1716.0	1819.4	1944.3	2102.6	2281.5	2470.2
0.0	0.0	0.0	0.0	0.0	0.0	40°	1860.7	1929.1	2010.0	2134.9	2306.7	2508.9
0.0	0.0	0.0	0.0	0.0	0.0	42.5°	2077.4	2091.8	2119.7	2184.4	2329.1	2553.8
0.0	0.0	0.0	0.0	0.0	0.0	45°	2357.0	2313.8	2289.6	2280.6	2379.5	2582.6
0.0	0.0	0.0	0.0	0.0	0.0	47.5°	2681.5	2597.0	2499.9	2453.1	2476.6	2628.5
0.0	0.0	0.0	0.0	0.0	0.0	50°	3103.9	2966.5	2775.9	2641.1	2629.3	2763.3
0.0	0.0	0.0	0.0	0.0	0.0	52.5°	3491.4	3311.6	3071.6	2912.5	2847.8	3014.9
0.0	0.0	0.0	0.0	0.0	0.0	55°	3857.2	3718.8	3447.3	3249.6	3227.1	3348.4
0.0	0.0	0.0	0.0	0.0	0.0	57.5°	4178.1	4058.7	3836.6	3578.6	3587.6	3705.3
0.0	0.0	0.0	0.0	0.0	0.0	59°	4344.5	4244.7	4038.8	3776.3	3796.2	3957.9
0.0	0.0	0.0	0.0	0.0	0.0	60°	4403.8	4320.2	4124.2	3903.1	3928.2	4096.4
0.0	0.0	0.0	0.0	0.0	0.0	62.5°	4399.3	4345.4	4203.3	4099.1	4227.7	4350.8
0.0	0.0	0.0	0.0	0.0	0.0	65°	3979.5	3897.7	3881.5	4064.0	4312.1	4430.8
0.0	0.0	0.0	0.0	0.0	0.0	67.5°	3165.1	3203.8	3357.4	3671.2	4087.4	4260.0
						70°	2350.6	2419.0	2624.0	3017.7	3589.4	3887.8
						72.5°	1728.6	1796.9	1985.8	2417.2	2953.0	3217.3
						75°	1356.4	1377.1	1512.8	1851.7	2327.3	2544.0
						77.5°	1253.1	1191.0	1135.4	1316.9	1569.5	1755.6
						80°	1166.8	1049.0	917.8	972.6	1033.8	1231.5
						82.5°	906.1	827.9	725.5	795.5	824.3	830.6
						85°	530.4	471.9	597.8	846.8	837.8	733.6
						87.5°	187.0	242.7	273.2	469.2	567.2	490.8
						90°	0.0	2.7	8.1	9.0	13.5	4.5
						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



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CANDELA DISTRIBUTION (continued):

355°	359°	360°		325°	330°	335°	340°	345°	350°	355°
1764.6	1764.6	1764.6	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1853.6	1828.4	1826.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1789.8	1733.1	1715.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1637.8	1572.2	1558.8	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1510.2	1437.3	1424.8	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1444.6	1375.4	1360.1	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1469.8	1393.4	1385.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1564.1	1483.2	1486.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1725.9	1673.8	1661.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1938.1	1881.4	1865.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2118.7	2090.0	2079.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2249.1	2262.6	2251.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2353.4	2398.3	2392.9	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2460.3	2547.6	2551.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2539.5	2693.1	2724.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2641.1	2846.9	2879.2	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2718.3	2960.1	2999.7	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2793.9	3053.6	3096.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2855.9	3146.2	3190.3	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2925.9	3236.1	3279.3	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3051.9	3377.3	3428.5	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3322.4	3638.8	3711.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3713.4	4000.1	4057.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4065.8	4245.6	4260.9	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4210.6	4313.0	4308.6	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4316.6	4329.2	4304.1	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4374.1	4254.6	4211.4	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4224.1	4057.7	4001.1	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3790.7	3702.7	3637.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3224.4	3001.5	2959.2								
2444.1	2150.2	2087.3								
1707.9	1355.6	1270.2								
1122.8	870.1	837.8								
728.1	578.0	568.1								
507.9	379.3	349.6								
311.9	126.7	121.3								
97.1	58.4	52.2								
2.7	3.6	3.6								
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								

