

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: P271585

Luminaire Tested: **ISS-AF-600-LED-E1-SLL-7027-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29764)-DOWNLIGHT AND
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISS-AF-600-LED-E1-SLL-7027-ULG
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT, WITH
UPLIGHT GLOW
Light Source: (16) 2700K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4231.4 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U5 - G1

Input Watts (W): 50.4
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

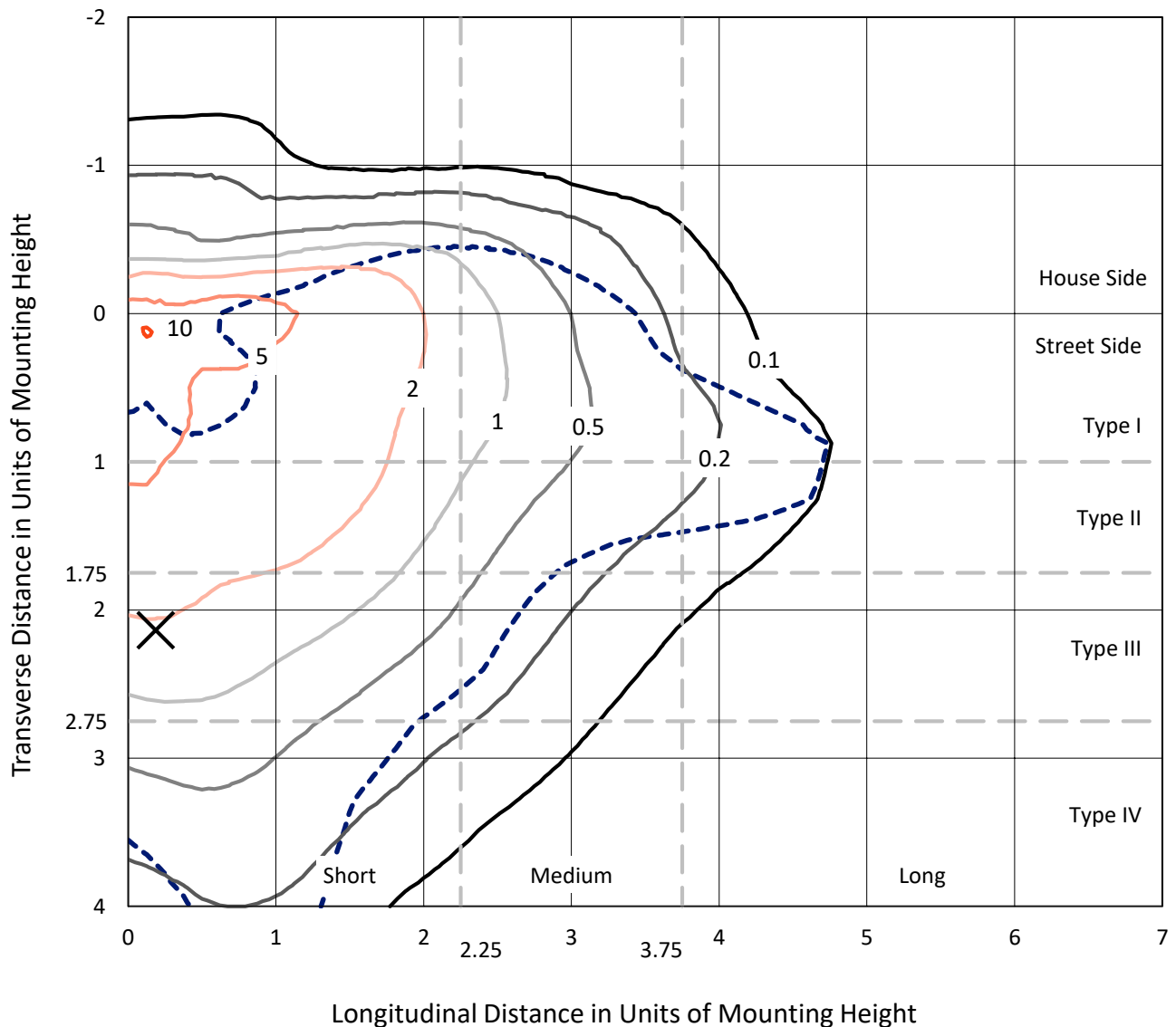


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Iso-Footcandle Lines of Horizontal Illumination

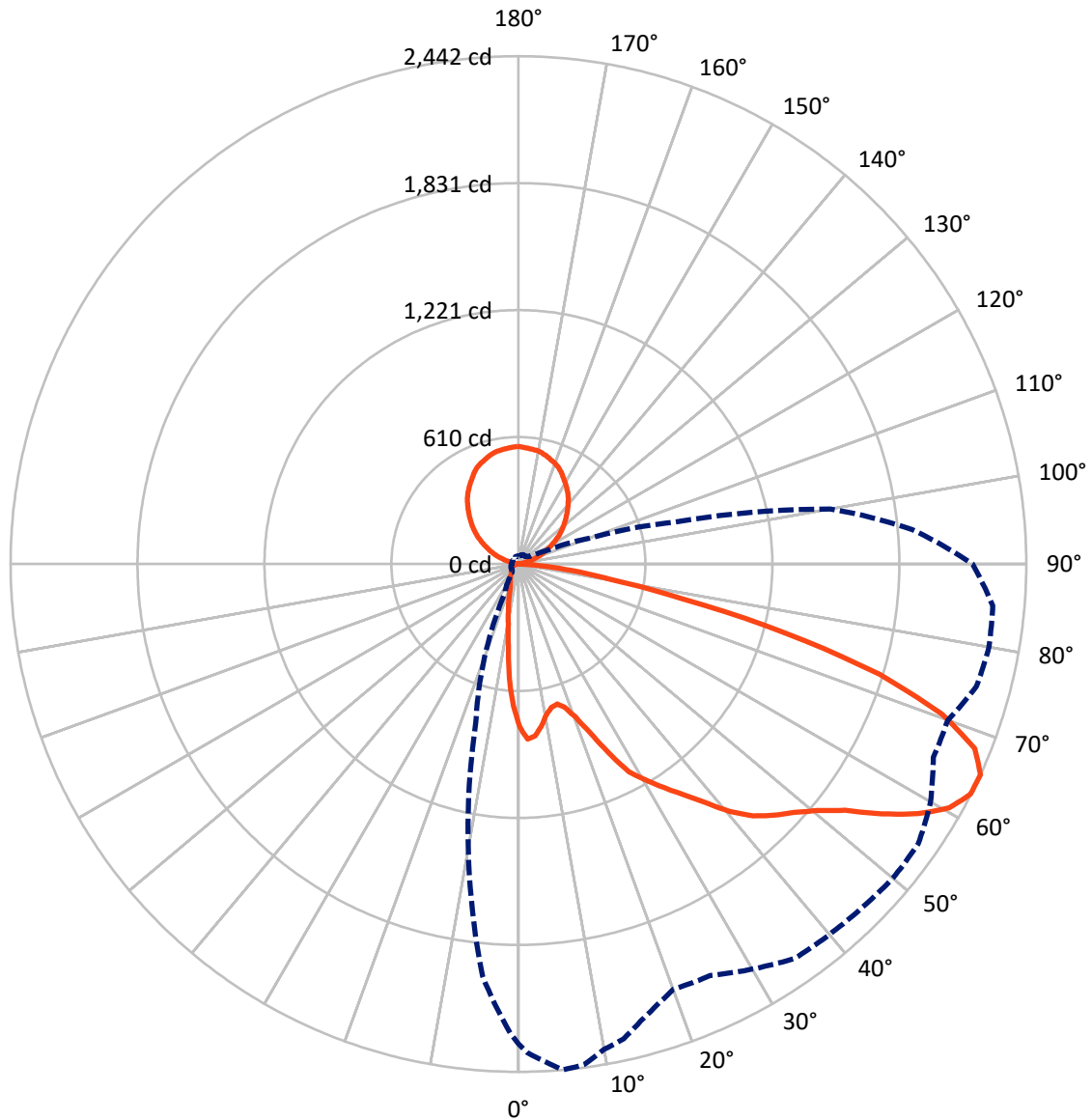
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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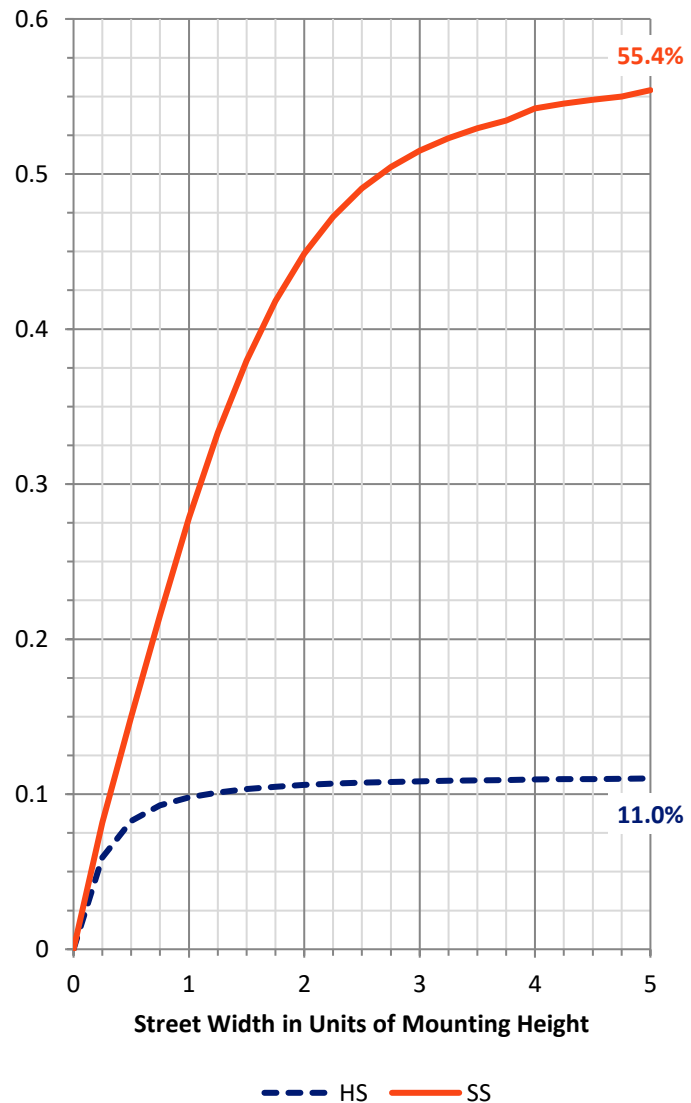
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	470.8	699.9	1170.7
	% Fixture	11.1	16.5	27.7
Street Side	Lumens	2360.8	699.9	3060.6
	% Fixture	55.8	16.5	72.3
Total	Lumens	2831.6	1399.8	4231.4
	% Fixture	66.9	33.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	1.4
10°-20°	124.0	2.9
20°-30°	180.2	4.3
30°-40°	266.6	6.3
40°-50°	388.4	9.2
50°-60°	582.2	13.8
60°-70°	725.5	17.1
70°-80°	425.0	10.0
80°-90°	79.5	1.9
90°-100°	4.7	0.1
100°-110°	67.7	1.6
110°-120°	150.2	3.5
120°-130°	219.7	5.2
130°-140°	260.7	6.2
140°-150°	264.3	6.2
150°-160°	226.8	5.4
160°-170°	152.2	3.6
170°-180°	53.3	1.3
0°-90°	2831.6	66.9
0°-180°	4231.4	100.0



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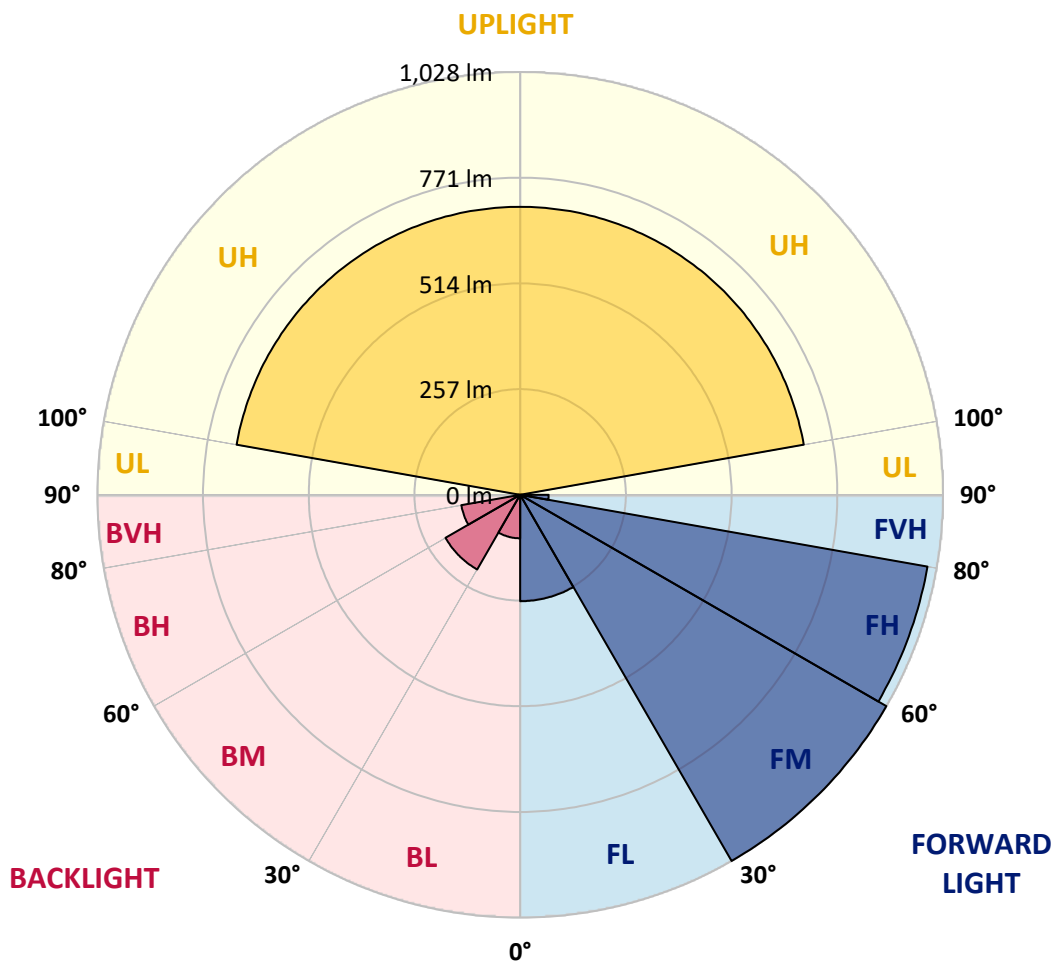
CATALOG NUMBER: ISS-AF-600-LED-E1-SLL-7027-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	258.7	6.1			
FM	(30°-60°)	1027.6	24.3			
FH	(60°-80°)	1005.2	23.8			G1/1800
FVH	(80°-90°)	69.2	1.6			G1/100
BL	(0°-30°)	105.7	2.5	B0/110		
BM	(30°-60°)	209.6	5.0	B0/220		
BH	(60°-80°)	145.3	3.4	B1/500		G1/500
BVH	(80°-90°)	10.2	0.2			G1/100
UL	(90°-100°)	4.7	0.1		U1/10	
UH	(100°-180°)	699.9	16.5		U4/1000	

BUG Rating: B1-U5-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	7.5°	10°	12.5°	15°	17.5°	20°	25°	35°
0°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6
2.5°	831.8	829.6	843.0	845.2	854.3	854.3	864.3	873.3	876.7	884.5	904.8
5°	804.9	811.6	830.8	849.8	863.2	876.7	891.2	909.2	923.7	948.4	999.9
7.5°	745.5	755.6	788.2	807.1	828.5	852.0	869.9	891.2	913.7	955.1	1047.1
10°	687.2	695.1	736.5	760.1	790.3	815.0	840.7	864.3	889.1	940.5	1047.1
12.5°	650.2	660.3	707.3	729.9	764.5	790.3	821.7	849.8	878.9	933.8	1036.9
15°	642.4	653.6	698.4	726.4	756.7	781.3	809.5	838.6	867.8	921.5	1013.4
17.5°	663.7	677.1	725.3	756.7	780.3	808.3	828.5	856.4	875.6	918.2	961.8
20°	714.2	729.9	786.9	817.3	836.3	854.3	869.9	886.8	894.6	904.8	896.9
22.5°	794.8	813.9	878.9	913.7	927.1	940.5	941.6	943.8	938.3	911.4	850.9
25°	910.3	929.4	1003.4	1036.9	1036.9	1036.9	1024.7	1015.6	989.9	939.4	838.6
27.5°	1017.9	1042.6	1131.1	1152.4	1145.7	1135.5	1112.1	1089.6	1052.6	968.6	837.4
30°	1098.5	1123.3	1205.2	1222.0	1205.2	1180.5	1143.5	1110.9	1067.3	983.1	845.2
32.5°	1172.6	1201.8	1280.3	1282.5	1252.1	1224.2	1182.7	1145.7	1099.7	1010.1	868.8
35°	1251.1	1280.3	1359.9	1344.1	1300.4	1262.3	1219.7	1187.2	1141.3	1044.8	906.9
37.5°	1359.9	1385.6	1452.9	1415.9	1359.9	1310.4	1264.5	1222.0	1176.0	1091.9	970.8
40°	1465.1	1502.1	1563.9	1504.4	1436.1	1369.9	1319.5	1274.7	1224.2	1155.8	1052.6
42.5°	1563.9	1598.6	1655.8	1579.6	1500.0	1433.9	1381.1	1332.9	1284.8	1228.6	1151.3
45°	1639.0	1674.8	1723.1	1642.3	1551.6	1483.1	1426.0	1383.4	1340.8	1302.6	1275.8
47.5°	1711.8	1747.7	1784.8	1697.3	1607.6	1538.1	1470.9	1431.6	1397.9	1377.8	1410.2
50°	1806.0	1830.7	1862.1	1767.9	1672.6	1593.1	1525.7	1495.5	1464.1	1470.9	1579.6
52.5°	1933.8	1955.1	1966.3	1874.3	1767.9	1677.0	1603.0	1561.6	1535.8	1575.1	1758.9
55°	2114.3	2144.5	2119.9	2029.1	1894.5	1791.4	1700.6	1651.4	1635.6	1688.3	1938.4
57.5°	2270.1	2283.5	2265.6	2176.0	2038.1	1922.6	1826.2	1774.6	1756.6	1826.2	2101.9
60°	2338.5	2355.3	2380.0	2302.6	2173.7	2059.4	1976.5	1926.0	1895.6	1976.5	2233.2
62.5°	2349.7	2377.7	2438.3	2399.0	2297.1	2211.8	2136.7	2067.2	2043.6	2105.3	2319.4
65°	2305.9	2348.6	2441.6	2427.0	2369.9	2337.4	2274.6	2220.8	2176.0	2182.7	2314.9
67.5°	2207.3	2256.6	2365.3	2358.7	2365.3	2365.3	2310.5	2265.6	2207.3	2124.4	2144.5
70°	1969.6	2034.8	2160.2	2192.8	2250.0	2250.0	2201.7	2133.4	2066.1	1895.6	1792.6
72.5°	1578.4	1622.2	1814.9	1973.0	2045.9	2016.8	1969.6	1855.3	1707.4	1520.1	1380.0
75°	1068.4	1094.1	1330.7	1619.9	1752.1	1727.5	1650.2	1507.9	1355.4	1146.9	969.7
77.5°	595.3	628.9	806.0	1032.5	1210.7	1207.3	1197.4	1106.4	985.4	812.8	720.8
80°	349.8	361.0	454.0	618.8	772.5	735.4	709.6	637.9	576.3	497.8	568.4
82.5°	214.2	202.8	257.8	376.7	456.2	440.6	396.8	369.9	340.7	319.4	377.7
85°	58.3	52.7	105.4	158.0	193.9	209.7	209.7	207.4	186.1	140.1	168.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.4	3.0	4.0
100°	7.8	7.8	7.8	8.4	8.8	9.3	9.8	10.8	11.8	13.7	21.6
102.5°	27.5	27.5	27.5	28.5	29.5	30.5	31.4	32.9	34.3	37.3	44.2
105°	53.0	53.0	53.0	53.4	54.0	54.4	55.0	56.1	57.4	59.8	64.8
107.5°	76.5	76.4	75.5	76.4	77.1	77.7	78.5	79.5	80.5	82.5	86.3
110°	99.2	99.4	100.1	100.3	100.6	100.9	101.1	101.9	102.6	104.0	108.0



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CATALOG NUMBER: ISS-AF-600-LED-E1-SLL-7027-ULG

CANDELA DISTRIBUTION (continued):

	0°	1°	5°	7.5°	10°	12.5°	15°	17.5°	20°	25°	35°
112.5°	121.7	121.7	121.7	122.2	122.7	123.2	123.7	124.4	125.1	126.6	129.5
115°	143.3	143.5	144.3	144.8	145.3	145.7	146.2	146.7	147.2	148.2	151.2
117.5°	165.8	166.1	166.8	167.4	167.8	168.3	168.8	169.3	169.8	170.8	173.7
120°	189.5	189.8	191.4	191.6	191.9	192.1	192.3	192.9	193.3	194.3	197.3
122.5°	215.0	215.1	216.0	216.1	216.4	216.7	216.9	217.4	217.9	218.8	221.8
125°	239.5	239.8	241.5	241.6	241.9	242.3	242.5	242.6	242.9	243.4	246.3
127.5°	262.0	262.5	264.0	264.2	264.6	264.8	265.0	265.4	266.0	267.0	269.0
130°	284.7	285.0	286.6	286.8	287.1	287.4	287.5	287.7	288.1	288.5	292.5
132.5°	307.2	307.4	308.2	308.9	309.6	310.4	311.2	311.4	311.6	312.1	315.0
135°	329.8	329.9	330.8	331.3	331.7	332.2	332.7	333.2	333.7	334.7	338.6
137.5°	352.3	352.6	353.3	354.1	354.8	355.5	356.3	356.4	356.8	357.3	360.2
140°	375.0	375.1	375.9	376.4	376.9	377.4	377.8	378.1	378.4	378.8	380.8
142.5°	396.5	396.9	398.5	398.9	399.5	399.9	400.5	400.3	399.9	399.5	402.4
145°	417.2	417.4	418.1	418.6	419.1	419.6	420.0	420.0	420.0	420.0	423.0
147.5°	435.8	435.8	435.8	436.6	437.3	437.9	438.7	438.9	439.2	439.7	443.7
150°	452.5	452.7	453.5	453.9	454.5	454.9	455.4	455.6	455.9	456.4	460.3
152.5°	470.2	470.4	471.1	471.9	472.6	473.2	474.0	473.9	473.6	473.0	476.0
155°	489.8	489.9	490.7	491.2	491.7	492.2	492.7	492.5	492.2	491.7	493.7
157.5°	503.5	503.9	505.5	505.9	506.5	506.9	507.5	507.3	506.9	506.5	509.4
160°	515.3	515.6	517.2	517.7	518.2	518.7	519.2	519.2	519.2	519.2	522.2
162.5°	525.1	525.3	526.0	526.9	527.6	528.2	529.0	528.8	528.6	528.0	531.0
165°	535.9	536.1	536.8	537.4	537.8	538.4	538.8	538.6	538.4	537.8	541.8
167.5°	544.7	544.9	545.7	546.5	547.2	547.9	548.7	548.4	548.1	547.7	550.6
170°	551.6	551.8	552.5	553.4	554.1	554.7	555.5	555.3	555.1	554.5	556.5
172.5°	554.5	554.7	555.5	556.3	556.9	557.7	558.5	557.9	557.5	556.5	558.5
175°	556.5	556.9	558.5	558.7	558.9	559.3	559.5	559.3	558.9	558.5	561.4
177.5°	561.4	561.6	562.4	562.9	563.3	563.9	564.3	564.1	563.9	563.3	567.3
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3



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CANDELA DISTRIBUTION (continued):

	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
0°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6
2.5°	912.5	913.7	910.3	918.2	909.2	904.8	891.2	891.2	880.0	871.1	860.9
5°	1019.0	1025.8	1020.1	1021.2	1003.4	985.4	958.5	942.8	914.7	884.5	853.1
7.5°	1090.8	1102.0	1097.5	1078.4	1050.4	1012.3	967.5	924.9	878.9	829.6	783.6
10°	1109.9	1122.2	1112.1	1076.2	1030.3	976.5	922.6	865.4	809.5	756.7	707.3
12.5°	1083.0	1091.9	1070.6	1031.3	986.5	932.7	876.7	827.2	761.1	705.1	647.9
15°	1014.5	1009.0	1006.7	978.6	947.4	903.5	850.9	800.4	738.8	681.6	621.1
17.5°	940.5	933.8	936.0	924.9	920.3	900.2	860.9	818.4	763.4	693.9	628.9
20°	875.6	868.8	872.2	877.7	894.6	895.7	889.1	860.9	820.6	747.7	668.1
22.5°	819.4	820.6	831.8	847.6	875.6	911.4	939.4	945.1	917.0	831.8	732.1
25°	802.6	797.1	809.5	835.2	882.2	951.8	1014.5	1046.0	1030.3	945.1	822.8
27.5°	797.1	789.3	802.6	836.3	911.4	1009.0	1098.5	1145.7	1151.3	1063.9	920.3
30°	797.1	793.7	807.1	850.9	930.5	1028.0	1127.7	1198.4	1220.8	1147.9	1005.6
32.5°	807.1	809.5	833.0	889.1	970.8	1070.6	1173.7	1249.9	1290.3	1235.3	1073.9
35°	829.6	834.1	867.8	932.7	1021.2	1122.2	1216.3	1293.6	1358.7	1329.5	1137.8
37.5°	877.7	884.5	926.1	992.1	1072.8	1163.7	1255.7	1338.6	1432.7	1420.4	1205.2
40°	962.9	962.9	1004.5	1061.7	1127.7	1197.4	1288.1	1385.6	1501.1	1517.9	1288.1
42.5°	1070.6	1066.1	1093.0	1134.5	1180.5	1238.8	1320.6	1429.3	1564.9	1601.9	1350.8
45°	1218.6	1196.1	1210.7	1220.8	1243.3	1279.1	1351.9	1470.9	1616.5	1664.8	1397.9
47.5°	1392.4	1360.9	1348.6	1329.5	1321.7	1335.2	1397.9	1503.3	1665.9	1718.5	1474.2
50°	1584.0	1553.8	1521.3	1469.6	1424.8	1411.3	1449.5	1547.0	1718.5	1785.8	1558.2
52.5°	1783.6	1762.3	1719.6	1639.0	1553.8	1505.6	1523.4	1619.9	1802.6	1890.0	1658.0
55°	1966.3	1973.0	1921.5	1827.3	1705.2	1631.1	1652.4	1748.8	1955.1	2058.3	1825.1
57.5°	2162.5	2144.5	2104.2	2006.6	1873.2	1793.6	1802.6	1919.2	2125.5	2204.0	1990.9
60°	2292.6	2292.6	2248.7	2174.9	2048.1	1974.1	1987.6	2095.3	2262.2	2270.1	2064.9
62.5°	2376.6	2389.0	2354.2	2301.5	2178.2	2116.6	2162.5	2238.8	2329.6	2264.4	2027.9
65°	2336.2	2349.7	2346.4	2288.1	2200.6	2196.2	2279.1	2297.1	2289.2	2182.7	1900.2
67.5°	2153.6	2126.6	2125.5	2095.3	2077.3	2170.3	2275.8	2281.3	2149.0	2022.4	1698.3
70°	1806.0	1760.0	1742.2	1751.1	1832.9	2006.6	2156.9	2114.3	1903.5	1794.8	1446.1
72.5°	1392.4	1337.4	1326.2	1360.9	1487.6	1732.0	1937.1	1877.7	1564.9	1438.3	1120.0
75°	987.7	964.2	965.2	1033.6	1170.4	1405.8	1644.5	1639.0	1159.2	992.1	771.3
77.5°	718.6	723.0	743.3	770.2	887.9	1115.4	1339.6	1325.1	825.1	681.6	539.3
80°	593.0	599.8	599.8	585.2	615.5	736.5	910.3	972.0	552.6	458.6	376.7
82.5°	426.0	459.7	478.7	455.1	443.9	485.4	570.6	610.9	344.2	289.3	263.5
85°	202.8	232.0	238.8	233.2	268.0	306.1	326.3	334.1	188.4	134.6	172.7
87.5°	0.0	0.0	1.1	8.9	24.6	42.6	42.6	64.9	10.2	3.3	7.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	8.8	10.8	12.8	9.8	6.8	5.9	4.9	4.4	4.0	4.0	4.0
100°	29.5	30.5	31.4	30.5	29.5	27.9	26.5	26.1	25.5	24.5	25.5
102.5°	49.0	49.6	50.0	49.6	49.0	48.1	47.1	47.6	48.1	47.1	48.1
105°	68.7	69.2	69.7	69.7	69.7	68.7	67.7	68.7	69.7	67.7	69.7
107.5°	89.3	90.3	91.3	90.8	90.3	89.8	89.3	89.8	90.3	89.3	90.3
110°	110.0	110.9	111.9	111.9	111.9	111.4	110.9	111.4	111.9	110.9	111.9



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CANDELA DISTRIBUTION (continued):

	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
112.5°	131.5	132.5	133.5	133.5	133.5	132.9	132.5	133.5	134.5	132.5	134.5
115°	153.1	154.1	155.0	155.0	155.0	155.0	155.0	156.0	157.0	156.0	157.0
117.5°	175.7	176.2	176.7	177.1	177.7	177.1	176.7	177.7	178.7	176.7	178.7
120°	198.3	199.2	200.2	200.2	200.2	200.2	200.2	201.2	202.2	200.2	202.2
122.5°	222.8	223.3	223.8	223.8	223.8	224.3	224.8	226.7	228.7	227.7	228.7
125°	247.3	247.8	248.3	248.8	249.3	249.3	249.3	250.8	252.2	251.3	252.2
127.5°	270.9	271.8	272.8	272.4	271.8	272.4	272.8	274.3	275.8	272.8	275.8
130°	293.5	294.5	295.5	295.5	295.5	295.9	296.4	297.9	299.3	297.4	299.3
132.5°	316.0	317.6	319.0	319.0	319.0	319.4	320.0	321.4	322.9	321.0	322.9
135°	338.6	340.1	341.5	341.5	341.5	342.1	342.5	343.5	344.5	343.5	344.5
137.5°	360.2	361.2	362.2	362.2	362.2	362.6	363.2	365.1	367.0	365.1	367.0
140°	381.8	382.3	382.8	382.8	382.8	383.8	384.7	386.7	388.7	386.7	388.7
142.5°	402.4	403.4	404.3	404.3	404.3	404.9	405.3	406.8	408.3	407.3	408.3
145°	424.0	425.0	426.0	425.4	425.0	425.4	426.0	427.4	428.9	427.0	428.9
147.5°	444.6	445.1	445.6	444.6	443.7	444.1	444.6	446.1	447.5	444.6	447.5
150°	461.3	461.8	462.3	461.3	460.3	460.3	460.3	462.3	464.2	461.3	464.2
152.5°	477.0	477.4	478.0	477.4	477.0	477.0	477.0	478.4	480.0	477.0	480.0
155°	493.7	494.2	494.7	494.2	493.7	494.2	494.7	496.1	497.6	495.7	497.6
157.5°	509.4	509.4	509.4	508.4	507.5	507.9	508.4	510.9	513.3	510.3	513.3
160°	522.2	522.2	522.2	521.2	520.2	520.2	520.2	521.6	523.2	521.2	523.2
162.5°	531.0	531.4	532.0	531.0	530.0	529.0	528.0	529.0	530.0	527.0	530.0
165°	541.8	542.3	542.8	541.3	539.8	538.8	537.8	538.8	539.8	537.8	539.8
167.5°	549.7	549.7	549.7	548.7	547.7	548.1	548.7	550.6	552.5	550.6	552.5
170°	555.5	555.1	554.5	554.1	553.5	554.5	555.5	557.9	560.5	558.5	560.5
172.5°	557.5	557.9	558.5	557.5	556.5	556.9	557.5	558.9	560.5	557.5	560.5
175°	561.4	561.9	562.4	560.9	559.5	558.5	557.5	558.9	560.5	557.5	560.5
177.5°	566.3	566.3	566.3	564.9	563.3	563.3	563.3	564.9	566.3	563.3	566.3
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3



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CATALOG NUMBER: ISS-AF-600-LED-E1-SLL-7027-ULG

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	115°	120°	125°	130°	135°	145°	155°	165°
0°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6
2.5°	847.6	833.0	821.7	808.3	797.1	785.8	778.0	761.1	747.7	717.5	709.6
5°	827.2	796.0	774.7	754.5	728.6	710.8	691.7	668.1	642.4	598.6	585.2
7.5°	747.7	708.5	679.4	650.2	616.6	586.3	558.3	526.9	482.0	435.0	417.0
10°	661.4	619.9	579.6	544.8	504.5	470.8	446.2	423.7	387.9	352.0	328.5
12.5°	590.7	543.7	497.8	463.0	441.7	424.9	406.9	389.0	350.9	310.5	282.4
15°	558.3	503.3	463.0	433.8	414.7	394.6	373.3	353.1	308.3	261.1	227.6
17.5°	562.8	500.0	448.4	409.2	383.4	355.4	330.7	305.0	255.6	199.5	169.3
20°	587.4	503.3	432.7	386.8	349.8	313.9	282.4	250.0	189.5	145.7	124.4
22.5°	618.8	514.5	423.7	364.4	318.4	273.5	233.2	195.0	140.1	114.4	104.2
25°	672.7	540.3	421.6	344.2	288.1	234.3	192.9	152.4	113.3	100.9	95.3
27.5°	739.8	569.4	423.7	329.6	262.3	202.8	156.9	126.8	102.0	95.3	90.8
30°	807.1	599.8	413.7	307.2	232.0	173.7	134.6	115.4	100.9	93.1	85.2
32.5°	866.5	622.2	396.8	283.7	205.2	148.0	114.4	98.6	88.6	79.6	77.3
35°	909.2	632.2	377.7	269.0	187.2	132.3	100.9	88.6	78.5	69.5	64.9
37.5°	949.5	633.3	357.6	255.6	180.5	125.5	93.1	81.8	72.9	64.9	60.5
40°	991.0	628.9	346.4	242.1	170.4	122.2	89.7	76.3	70.7	61.6	57.2
42.5°	1021.2	621.1	342.0	234.3	161.4	113.3	87.5	75.1	67.2	60.5	55.0
45°	1049.3	613.3	342.0	227.6	154.7	107.7	82.9	76.3	64.9	59.4	52.7
47.5°	1083.0	616.6	343.1	222.0	149.1	102.0	78.5	74.0	66.1	58.3	51.6
50°	1140.1	654.7	348.6	218.6	144.5	97.6	75.1	70.7	72.9	57.2	50.5
52.5°	1238.8	715.2	357.6	216.3	140.1	94.1	70.7	68.5	74.0	57.2	49.4
55°	1367.7	776.9	366.6	210.7	133.4	87.5	68.5	63.9	68.5	57.2	48.1
57.5°	1493.3	822.8	374.4	202.8	122.2	80.7	64.9	60.5	62.8	56.1	45.9
60°	1566.0	858.7	382.3	189.5	108.8	72.9	61.6	57.2	56.1	56.1	44.8
62.5°	1586.2	845.2	377.7	172.7	97.6	67.2	58.3	53.8	50.5	57.2	44.8
65°	1522.4	774.7	361.0	158.0	89.7	64.9	55.0	51.6	48.1	49.4	42.6
67.5°	1326.2	651.3	315.0	144.5	88.6	63.9	52.7	49.4	44.8	43.7	40.3
70°	1081.8	511.1	261.1	134.6	87.5	63.9	50.5	45.9	42.6	39.3	37.0
72.5°	831.8	382.3	219.7	130.1	88.6	62.8	47.1	41.5	38.1	35.9	33.7
75°	585.2	270.2	182.7	116.6	82.9	59.4	43.7	37.0	33.7	31.4	29.1
77.5°	423.7	183.8	135.6	94.1	70.7	51.6	38.1	31.4	28.0	26.9	24.6
80°	270.2	113.3	90.8	69.5	51.6	40.3	29.1	24.6	22.4	20.2	19.0
82.5°	155.9	66.1	55.0	47.1	33.7	26.9	21.3	19.0	14.6	13.5	12.4
85°	95.3	41.5	30.3	24.6	21.3	16.8	12.4	11.2	7.8	6.7	5.6
87.5°	21.3	8.9	7.8	5.6	6.7	5.6	3.3	2.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	4.4	4.9	5.9	6.8	9.8	12.8	10.8	8.8	4.0	3.0	2.0
100°	26.1	26.5	27.9	29.5	30.5	31.4	30.5	29.5	21.6	13.7	9.8
102.5°	47.6	47.1	48.1	49.0	49.6	50.0	49.6	49.0	44.2	37.3	31.4
105°	68.7	67.7	68.7	69.7	69.7	69.7	69.2	68.7	64.8	59.8	55.0
107.5°	89.8	89.3	89.8	90.3	90.8	91.3	90.3	89.3	86.3	82.5	78.5
110°	111.4	110.9	111.4	111.9	111.9	111.9	110.9	110.0	108.0	104.0	101.1



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	100°	105°	110°	115°	120°	125°	130°	135°	145°	155°	165°	
112.5°	133.5	132.5	132.9	133.5	133.5	133.5	132.5	131.5	129.5	126.6	123.7	0°
115°	156.0	155.0	155.0	155.0	155.0	155.0	154.1	153.1	151.2	148.2	146.2	2.5°
117.5°	177.7	176.7	177.1	177.7	177.1	176.7	176.2	175.7	173.7	170.8	168.8	5°
120°	201.2	200.2	200.2	200.2	200.2	200.2	199.2	198.3	197.3	194.3	192.3	7.5°
122.5°	226.7	224.8	224.3	223.8	223.8	223.8	223.3	222.8	221.8	218.8	216.9	10°
125°	250.8	249.3	249.3	249.3	248.8	248.3	247.8	247.3	246.3	243.4	242.5	12.5°
127.5°	274.3	272.8	272.4	271.8	272.4	272.8	271.8	270.9	269.0	267.0	265.0	15°
130°	297.9	296.4	295.9	295.5	295.5	295.5	294.5	293.5	292.5	288.5	287.5	17.5°
132.5°	321.4	320.0	319.4	319.0	319.0	319.0	317.6	316.0	315.0	312.1	311.2	20°
135°	343.5	342.5	342.1	341.5	341.5	341.5	340.1	338.6	338.6	334.7	332.7	22.5°
137.5°	365.1	363.2	362.6	362.2	362.2	362.2	361.2	360.2	360.2	357.3	356.3	25°
140°	386.7	384.7	383.8	382.8	382.8	382.8	382.3	381.8	380.8	378.8	377.8	27.5°
142.5°	406.8	405.3	404.9	404.3	404.3	404.3	403.4	402.4	402.4	399.5	400.5	30°
145°	427.4	426.0	425.4	425.0	425.4	426.0	425.0	424.0	423.0	420.0	420.0	32.5°
147.5°	446.1	444.6	444.1	443.7	444.6	445.6	445.1	444.6	443.7	439.7	438.7	35°
150°	462.3	460.3	460.3	460.3	461.3	462.3	461.8	461.3	460.3	456.4	455.4	37.5°
152.5°	478.4	477.0	477.0	477.0	477.4	478.0	477.4	477.0	476.0	473.0	474.0	40°
155°	496.1	494.7	494.2	493.7	494.2	494.7	494.2	493.7	493.7	491.7	492.7	42.5°
157.5°	510.9	508.4	507.9	507.5	508.4	509.4	509.4	509.4	509.4	506.5	507.5	45°
160°	521.6	520.2	520.2	520.2	521.2	522.2	522.2	522.2	522.2	519.2	519.2	47.5°
162.5°	529.0	528.0	529.0	530.0	531.0	532.0	531.4	531.0	531.0	528.0	529.0	50°
165°	538.8	537.8	538.8	539.8	541.3	542.8	542.3	541.8	541.8	537.8	538.8	52.5°
167.5°	550.6	548.7	548.1	547.7	548.7	549.7	549.7	549.7	550.6	547.7	548.7	55°
170°	557.9	555.5	554.5	553.5	554.1	554.5	555.1	555.5	556.5	554.5	555.5	57.5°
172.5°	558.9	557.5	556.9	556.5	557.5	558.5	557.9	557.5	558.5	556.5	558.5	60°
175°	558.9	557.5	558.5	559.5	560.9	562.4	561.9	561.4	561.4	558.5	559.5	62.5°
177.5°	564.9	563.3	563.3	563.3	564.9	566.3	566.3	566.3	567.3	563.3	564.3	65°
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	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°
												110°

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DISTRIBUTION (continued):

CANDELA DISTRIBUTION

175°	180°	185°	195°	205°	215°	225°	230°	232.5°	235°	237.5°	175°	
783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	112.5°	121.7
697.3	680.5	681.6	678.2	669.2	654.7	650.2	642.4	643.5	647.9	643.5	115°	144.3
569.4	549.3	551.6	550.4	541.5	531.3	523.5	513.4	510.1	513.4	507.8	117.5°	166.8
403.6	390.1	394.6	404.7	403.6	397.9	391.2	380.1	377.7	378.9	368.8	120°	191.4
308.3	294.8	291.5	290.3	288.1	284.8	275.8	266.8	263.5	264.6	257.8	122.5°	216.0
257.8	246.7	233.2	220.8	209.7	205.2	193.9	188.4	187.2	187.2	183.8	125°	241.5
204.1	195.0	187.2	174.9	165.8	159.2	151.4	146.9	145.7	146.9	146.9	127.5°	264.0
152.4	148.0	144.5	143.5	139.0	134.6	130.1	127.8	126.8	126.8	127.8	130°	286.6
116.6	115.4	115.4	115.4	121.1	125.5	126.8	123.2	122.2	121.1	119.9	132.5°	308.2
100.9	99.8	100.9	107.7	104.2	100.9	100.9	100.9	100.9	100.9	102.0	135°	330.8
93.1	94.1	95.3	92.0	88.6	86.2	85.2	85.2	84.1	84.1	85.2	137.5°	353.3
88.6	87.5	86.2	84.1	81.8	78.5	77.3	76.3	76.3	76.3	76.3	140°	375.9
82.9	81.8	80.7	78.5	75.1	70.7	69.5	69.5	68.5	69.5	69.5	142.5°	398.5
76.3	75.1	74.0	71.8	68.5	66.1	64.9	62.8	62.8	62.8	63.9	145°	418.1
61.6	60.5	60.5	61.6	61.6	60.5	60.5	58.3	58.3	58.3	58.3	147.5°	435.8
57.2	56.1	56.1	55.0	56.1	57.2	56.1	55.0	55.0	53.8	53.8	150°	453.5
53.8	53.8	52.7	51.6	51.6	53.8	52.7	51.6	50.5	50.5	50.5	152.5°	471.1
51.6	50.5	50.5	49.4	49.4	49.4	48.1	47.1	45.9	45.9	45.9	155°	490.7
49.4	49.4	48.1	47.1	45.9	45.9	43.7	42.6	42.6	42.6	43.7	157.5°	505.5
48.1	47.1	47.1	45.9	44.8	42.6	41.5	40.3	40.3	40.3	40.3	160°	517.2
47.1	45.9	44.8	44.8	42.6	41.5	40.3	39.3	39.3	39.3	39.3	162.5°	526.0
45.9	44.8	43.7	42.6	41.5	40.3	39.3	38.1	38.1	38.1	38.1	165°	536.8
43.7	42.6	42.6	41.5	41.5	40.3	39.3	38.1	38.1	38.1	37.0	167.5°	545.7
42.6	41.5	40.3	40.3	40.3	39.3	38.1	37.0	37.0	37.0	37.0	170°	552.5
41.5	40.3	40.3	39.3	39.3	38.1	38.1	37.0	35.9	35.9	34.8	172.5°	555.5
40.3	39.3	39.3	38.1	39.3	38.1	37.0	35.9	34.8	34.8	33.7	175°	558.5
39.3	38.1	38.1	38.1	37.0	37.0	35.9	33.7	33.7	33.7	32.5	177.5°	562.4
37.0	35.9	35.9	37.0	35.9	34.8	34.8	32.5	32.5	31.4	31.4	180°	565.3
33.7	33.7	33.7	34.8	33.7	32.5	32.5	31.4	30.3	29.1	29.1		
31.4	30.3	31.4	31.4	31.4	30.3	31.4	29.1	28.0	26.9	26.9		
26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	25.8	24.6	23.5		
21.3	22.4	22.4	22.4	22.4	23.5	22.4	22.4	22.4	21.3	20.2		
15.7	15.7	16.8	18.0	16.8	18.0	16.8	18.0	16.8	16.8	16.8		
8.9	8.9	10.2	11.2	11.2	12.4	10.2	11.2	11.2	12.4	11.2		
3.3	3.3	3.3	3.3	4.5	4.5	3.3	4.5	4.5	5.6	5.6		
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		
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
2.0	2.0	2.0	2.0	3.0	4.0	8.8	10.8	11.8	12.8	11.3		
7.8	7.8	7.8	9.8	13.7	21.6	29.5	30.5	30.9	31.4	30.9		
27.5	27.5	27.5	31.4	37.3	44.2	49.0	49.6	49.9	50.0	49.9		
53.0	53.0	53.0	55.0	59.8	64.8	68.7	69.2	69.5	69.7	69.7		
75.5	76.5	75.5	78.5	82.5	86.3	89.3	90.3	90.8	91.3	91.1		
100.1	99.2	100.1	101.1	104.0	108.0	110.0	110.9	111.4	111.9	111.9		

271585
 ISS-AF-600-LED-E1-SLL-7027-ULG

REPORT NUMBER: P271585
 CATALOG NUMBER: ISS-AF-600

TION (continued):

CANDELA DISTRIBUTION (con

180°	185°	195°	205°	215°	225°	230°	232.5°	235°	237.5°		240°	242.5°
121.7	121.7	123.7	126.6	129.5	131.5	132.5	132.9	133.5	133.5	0°	783.6	783.6
143.3	144.3	146.2	148.2	151.2	153.1	154.1	154.6	155.0	155.0	2.5°	652.5	652.5
165.8	166.8	168.8	170.8	173.7	175.7	176.2	176.4	176.7	176.9	5°	512.3	511.1
189.5	191.4	192.3	194.3	197.3	198.3	199.2	199.7	200.2	200.2	7.5°	372.2	368.8
215.0	216.0	216.9	218.8	221.8	222.8	223.3	223.6	223.8	223.8	10°	260.1	251.2
239.5	241.5	242.5	243.4	246.3	247.3	247.8	248.1	248.3	248.5	12.5°	188.4	185.1
262.0	264.0	265.0	267.0	269.0	270.9	271.8	272.4	272.8	272.6	15°	149.1	149.1
284.7	286.6	287.5	288.5	292.5	293.5	294.5	294.9	295.5	295.5	17.5°	129.0	129.0
307.2	308.2	311.2	312.1	315.0	316.0	317.6	318.2	319.0	319.0	20°	118.8	117.7
329.8	330.8	332.7	334.7	338.6	338.6	340.1	340.7	341.5	341.5	22.5°	102.0	100.9
352.3	353.3	356.3	357.3	360.2	360.2	361.2	361.7	362.2	362.2	25°	84.1	84.1
375.0	375.9	377.8	378.8	380.8	381.8	382.3	382.6	382.8	382.8	27.5°	76.3	76.3
396.5	398.5	400.5	399.5	402.4	402.4	403.4	403.9	404.3	404.3	30°	69.5	70.7
417.2	418.1	420.0	420.0	423.0	424.0	425.0	425.4	426.0	425.8	32.5°	63.9	63.9
435.8	435.8	438.7	439.7	443.7	444.6	445.1	445.4	445.6	445.1	35°	57.2	57.2
452.5	453.5	455.4	456.4	460.3	461.3	461.8	462.1	462.3	461.8	37.5°	52.7	51.6
470.2	471.1	474.0	473.0	476.0	477.0	477.4	477.8	478.0	477.8	40°	48.1	48.1
489.8	490.7	492.7	491.7	493.7	493.7	494.2	494.4	494.7	494.4	42.5°	44.8	44.8
503.5	505.5	507.5	506.5	509.4	509.4	509.4	509.4	509.4	508.9	45°	42.6	42.6
515.3	517.2	519.2	519.2	522.2	522.2	522.2	522.2	522.2	521.6	47.5°	41.5	41.5
525.1	526.0	529.0	528.0	531.0	531.0	531.4	531.8	532.0	531.4	50°	39.3	39.3
535.9	536.8	538.8	537.8	541.8	541.8	542.3	542.6	542.8	541.9	52.5°	38.1	38.1
544.7	545.7	548.7	547.7	550.6	549.7	549.7	549.7	549.7	549.1	55°	37.0	38.1
551.6	552.5	555.5	554.5	556.5	555.5	555.1	554.7	554.5	554.3	57.5°	35.9	35.9
554.5	555.5	558.5	556.5	558.5	557.5	557.9	558.3	558.5	557.9	60°	34.8	34.8
556.5	558.5	559.5	558.5	561.4	561.4	561.9	562.2	562.4	561.6	62.5°	33.7	33.7
561.4	562.4	564.3	563.3	567.3	566.3	566.3	566.3	566.3	565.6	65°	32.5	32.5
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	67.5°	30.3	30.3
										70°	28.0	28.0
										72.5°	25.8	25.8
										75°	23.5	22.4
										77.5°	20.2	19.0
										80°	16.8	15.7
										82.5°	12.4	11.2
										85°	5.6	5.6
										87.5°	0.0	0.0
										90°	0.0	0.0
										92.5°	0.0	0.0
										95°	1.0	1.0
										97.5°	9.8	8.4
										100°	30.5	29.9
										102.5°	49.6	49.2
										105°	69.7	69.7
										107.5°	90.8	90.5
										110°	111.9	111.9



REPORT NUMBER: P271585

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

0-LED-E1-SLL-7027-ULG

tinued):

CANDELA DISTRIBUTION (continued):

245°	247.5°	250°	252.5°	255°	257.5°	260°	265°	270°		240°	242.5°	245°
783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	112.5°	133.5	133.5	133.5
639.1	641.2	643.5	647.9	645.7	644.6	643.5	650.2	653.6	115°	155.0	155.0	155.0
494.3	493.3	496.7	497.8	494.3	488.8	485.4	486.5	489.8	117.5°	177.1	177.4	177.7
353.1	350.9	349.8	350.9	347.6	342.0	337.4	338.5	342.0	120°	200.2	200.2	200.2
248.9	250.0	252.2	254.5	254.5	254.5	255.6	262.3	270.2	122.5°	223.8	223.8	223.8
187.2	189.5	193.9	197.3	200.7	201.8	202.8	211.9	218.6	125°	248.8	249.1	249.3
151.4	152.4	154.7	156.9	159.2	159.2	160.3	163.7	169.3	127.5°	272.4	272.1	271.8
129.0	129.0	129.0	127.8	126.8	124.4	123.2	122.2	123.2	130°	295.5	295.5	295.5
115.4	114.4	112.1	109.9	108.8	105.4	104.2	100.9	99.8	132.5°	319.0	319.0	319.0
100.9	100.9	100.9	99.8	98.6	97.6	95.3	92.0	89.7	135°	341.5	341.5	341.5
84.1	85.2	85.2	86.2	88.6	88.6	88.6	88.6	85.2	137.5°	362.2	362.2	362.2
76.3	76.3	77.3	77.3	78.5	78.5	78.5	79.6	80.7	140°	382.8	382.8	382.8
70.7	71.8	71.8	72.9	72.9	74.0	74.0	75.1	75.1	142.5°	404.3	404.3	404.3
64.9	66.1	66.1	66.1	68.5	68.5	67.2	68.5	68.5	145°	425.4	425.2	425.0
57.2	57.2	57.2	57.2	57.2	57.2	55.0	53.8	55.0	147.5°	444.6	444.1	443.7
51.6	50.5	49.4	49.4	49.4	50.5	49.4	50.5	50.5	150°	461.3	460.8	460.3
47.1	47.1	47.1	47.1	47.1	47.1	47.1	48.1	49.4	152.5°	477.4	477.2	477.0
44.8	44.8	44.8	44.8	44.8	44.8	44.8	45.9	45.9	155°	494.2	493.9	493.7
42.6	42.6	43.7	43.7	43.7	43.7	43.7	43.7	44.8	157.5°	508.4	507.9	507.5
41.5	41.5	41.5	41.5	41.5	41.5	41.5	42.6	43.7	160°	521.2	520.7	520.2
40.3	40.3	40.3	40.3	40.3	40.3	40.3	41.5	42.6	162.5°	531.0	530.4	530.0
38.1	39.3	39.3	39.3	39.3	39.3	39.3	39.3	40.3	165°	541.3	540.6	539.8
38.1	38.1	38.1	38.1	37.0	37.0	37.0	37.0	38.1	167.5°	548.7	548.1	547.7
37.0	37.0	37.0	35.9	35.9	34.8	34.8	34.8	37.0	170°	554.1	553.7	553.5
34.8	34.8	34.8	33.7	33.7	33.7	33.7	34.8	34.8	172.5°	557.5	556.9	556.5
32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	175°	560.9	560.3	559.5
31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	177.5°	564.9	564.1	563.3
30.3	29.1	29.1	29.1	29.1	30.3	29.1	29.1	29.1	180°	565.3	565.3	565.3
28.0	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9				
25.8	25.8	24.6	24.6	24.6	24.6	24.6	24.6	24.6				
22.4	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3				
19.0	19.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0				
15.7	14.6	14.6	14.6	14.6	14.6	14.6	13.5	13.5				
11.2	11.2	11.2	10.2	10.2	10.2	10.2	8.9	7.8				
4.5	5.6	5.6	6.7	5.6	5.6	5.6	4.5	2.2				
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				
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0				
6.8	6.4	5.9	5.4	4.9	4.7	4.4	4.0	4.0				
29.5	28.7	27.9	27.3	26.5	26.3	26.1	25.5	24.5				
49.0	48.6	48.1	47.6	47.1	47.3	47.6	48.1	47.1				
69.7	69.2	68.7	68.2	67.7	68.2	68.7	69.7	67.7				
90.3	90.1	89.8	89.5	89.3	89.5	89.8	90.3	89.3				
111.9	111.7	111.4	111.1	110.9	111.1	111.4	111.9	110.9				



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SLL-7027-ULG

CANDELA DISTRIBUTION (continued):

247.5°	250°	252.5°	255°	257.5°	260°	265°	270°		275°	280°	282.5°	285°
133.3	132.9	132.7	132.5	132.9	133.5	134.5	132.5	0°	783.6	783.6	783.6	783.6
155.0	155.0	155.0	155.0	155.6	156.0	157.0	156.0	2.5°	651.3	662.5	663.7	656.9
177.4	177.1	176.9	176.7	177.1	177.7	178.7	176.7	5°	485.4	500.0	498.9	489.8
200.2	200.2	200.2	200.2	200.7	201.2	202.2	200.2	7.5°	343.1	355.4	354.2	353.1
223.9	224.3	224.6	224.8	225.7	226.7	228.7	227.7	10°	278.0	289.3	292.6	300.4
249.3	249.3	249.3	249.3	250.1	250.8	252.2	251.3	12.5°	225.4	238.8	242.1	251.2
272.1	272.4	272.6	272.8	273.6	274.3	275.8	272.8	15°	173.7	185.1	188.4	195.0
295.6	295.9	296.2	296.4	297.2	297.9	299.3	297.4	17.5°	127.8	134.6	136.7	141.2
319.2	319.4	319.8	320.0	320.8	321.4	322.9	321.0	20°	99.8	102.0	103.1	104.2
341.7	342.1	342.3	342.5	343.1	343.5	344.5	343.5	22.5°	89.7	90.8	90.8	92.0
362.4	362.6	362.9	363.2	364.2	365.1	367.0	365.1	25°	82.9	84.1	84.1	85.2
383.3	383.8	384.3	384.7	385.7	386.7	388.7	386.7	27.5°	79.6	79.6	79.6	79.6
404.6	404.9	405.1	405.3	406.1	406.8	408.3	407.3	30°	76.3	76.3	76.3	77.3
425.2	425.4	425.8	426.0	426.8	427.4	428.9	427.0	32.5°	70.7	68.5	70.7	69.5
443.9	444.1	444.4	444.6	445.4	446.1	447.5	444.6	35°	55.0	55.0	56.1	57.2
460.3	460.3	460.3	460.3	461.3	462.3	464.2	461.3	37.5°	51.6	52.7	52.7	53.8
477.0	477.0	477.0	477.0	477.8	478.4	480.0	477.0	40°	49.4	50.5	51.6	52.7
493.9	494.2	494.4	494.7	495.4	496.1	497.6	495.7	42.5°	47.1	49.4	49.4	50.5
507.6	507.9	508.2	508.4	509.6	510.9	513.3	510.3	45°	45.9	47.1	48.1	49.4
520.2	520.2	520.2	520.2	520.9	521.6	523.2	521.2	47.5°	44.8	45.9	47.1	48.1
529.6	529.0	528.6	528.0	528.6	529.0	530.0	527.0	50°	42.6	44.8	45.9	47.1
539.3	538.8	538.4	537.8	538.4	538.8	539.8	537.8	52.5°	41.5	43.7	43.7	45.9
547.9	548.1	548.4	548.7	549.7	550.6	552.5	550.6	55°	39.3	41.5	41.5	43.7
554.1	554.5	555.1	555.5	556.7	557.9	560.5	558.5	57.5°	37.0	39.3	40.3	41.5
556.7	556.9	557.3	557.5	558.3	558.9	560.5	557.5	60°	35.9	37.0	38.1	39.3
558.9	558.5	557.9	557.5	558.3	558.9	560.5	557.5	62.5°	33.7	35.9	37.0	38.1
563.3	563.3	563.3	563.3	564.1	564.9	566.3	563.3	65°	32.5	34.8	34.8	37.0
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	67.5°	30.3	32.5	32.5	33.7
								70°	28.0	29.1	30.3	31.4
								72.5°	25.8	26.9	26.9	28.0
								75°	21.3	22.4	23.5	24.6
								77.5°	18.0	18.0	20.2	20.2
								80°	13.5	13.5	14.6	15.7
								82.5°	7.8	7.8	8.9	8.9
								85°	2.2	2.2	2.2	2.2
								87.5°	0.0	0.0	0.0	0.0
								90°	0.0	0.0	0.0	0.0
								92.5°	0.0	0.0	0.0	0.0
								95°	1.0	1.0	1.0	1.0
								97.5°	4.0	4.4	4.7	4.9
								100°	25.5	26.1	26.3	26.5
								102.5°	48.1	47.6	47.3	47.1
								105°	69.7	68.7	68.2	67.7
								107.5°	90.3	89.8	89.5	89.3
								110°	111.9	111.4	111.1	110.9



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CATALOG NUMBER: ISS-AF-600-LED-E1-SLL-7027-ULG

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CANDELA DISTRIBUTION (continued):

287.5°	290°	292.5°	295°	297.5°	300°	302.5°		275°	280°	282.5°	285°	287.5°
783.6	783.6	783.6	783.6	783.6	783.6	783.6	112.5°	134.5	133.5	132.9	132.5	132.7
670.3	672.7	669.2	669.2	671.6	680.5	680.5	115°	157.0	156.0	155.6	155.0	155.0
507.8	513.4	510.1	511.1	515.6	525.8	531.3	117.5°	178.7	177.7	177.1	176.7	176.9
364.4	368.8	371.1	374.4	387.9	389.0	395.7	120°	202.2	201.2	200.7	200.2	200.2
303.8	310.5	315.0	320.7	331.8	337.4	345.3	122.5°	228.7	226.7	225.7	224.8	224.6
255.6	263.5	268.0	279.1	285.9	292.6	302.7	125°	252.2	250.8	250.1	249.3	249.3
199.5	208.5	213.0	219.7	233.2	239.8	253.3	127.5°	275.8	274.3	273.6	272.8	272.6
144.5	148.0	156.9	168.2	176.0	187.2	193.9	130°	299.3	297.9	297.2	296.4	296.2
106.4	108.8	113.3	121.1	125.5	134.6	141.2	132.5°	322.9	321.4	320.8	320.0	319.8
92.0	93.1	95.3	97.6	99.8	103.1	106.4	135°	344.5	343.5	343.1	342.5	342.3
85.2	86.2	87.5	88.6	90.8	92.0	93.1	137.5°	367.0	365.1	364.2	363.2	362.9
80.7	80.7	81.8	84.1	84.1	86.2	87.5	140°	388.7	386.7	385.7	384.7	384.3
78.5	80.7	82.9	86.2	87.5	89.7	90.8	142.5°	408.3	406.8	406.1	405.3	405.1
67.2	67.2	68.5	70.7	70.7	71.8	72.9	145°	428.9	427.4	426.8	426.0	425.8
57.2	58.3	59.4	60.5	61.6	63.9	64.9	147.5°	447.5	446.1	445.4	444.6	444.4
55.0	55.0	56.1	58.3	59.4	60.5	61.6	150°	464.2	462.3	461.3	460.3	460.3
52.7	53.8	55.0	56.1	57.2	59.4	60.5	152.5°	480.0	478.4	477.8	477.0	477.0
51.6	52.7	53.8	55.0	57.2	58.3	59.4	155°	497.6	496.1	495.4	494.7	494.4
50.5	51.6	52.7	55.0	56.1	58.3	59.4	157.5°	513.3	510.9	509.6	508.4	508.2
49.4	50.5	51.6	53.8	56.1	58.3	60.5	160°	523.2	521.6	520.9	520.2	520.2
48.1	49.4	51.6	53.8	56.1	59.4	64.9	162.5°	530.0	529.0	528.6	528.0	528.6
47.1	49.4	51.6	53.8	57.2	61.6	67.2	165°	539.8	538.8	538.4	537.8	538.4
45.9	48.1	49.4	52.7	56.1	60.5	61.6	167.5°	552.5	550.6	549.7	548.7	548.4
43.7	45.9	47.1	50.5	55.0	56.1	55.0	170°	560.5	557.9	556.7	555.5	555.1
41.5	42.6	45.9	52.7	57.2	52.7	47.1	172.5°	560.5	558.9	558.3	557.5	557.3
40.3	41.5	43.7	48.1	49.4	43.7	42.6	175°	560.5	558.9	558.3	557.5	557.9
38.1	38.1	39.3	39.3	39.3	39.3	39.3	177.5°	566.3	564.9	564.1	563.3	563.3
34.8	34.8	35.9	35.9	35.9	35.9	35.9	180°	565.3	565.3	565.3	565.3	565.3
31.4	31.4	32.5	32.5	32.5	33.7	33.7						
28.0	29.1	29.1	30.3	30.3	30.3	31.4						
24.6	25.8	25.8	25.8	25.8	26.9	26.9						
21.3	21.3	22.4	22.4	22.4	22.4	22.4						
16.8	16.8	16.8	16.8	16.8	16.8	16.8						
10.2	10.2	11.2	10.2	10.2	8.9	8.9						
2.2	2.2	2.2	1.1	1.1	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
1.0	1.0	1.0	1.0	1.0	1.0	1.0						
5.4	5.9	6.4	6.8	8.4	9.8	11.3						
27.3	27.9	28.7	29.5	29.9	30.5	30.9						
47.6	48.1	48.6	49.0	49.2	49.6	49.9						
68.2	68.7	69.2	69.7	69.7	69.7	69.7						
89.5	89.8	90.1	90.3	90.5	90.8	91.1						
111.1	111.4	111.7	111.9	111.9	111.9	111.9						



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CANDELA DISTRIBUTION (continued):

290°	292.5°	295°	297.5°	300°	302.5°		305°	307.5°	310°	312.5°	315°	317.5°
132.9	133.3	133.5	133.5	133.5	133.5	0°	783.6	783.6	783.6	783.6	783.6	783.6
155.0	155.0	155.0	155.0	155.0	155.0	2.5°	697.3	697.3	699.5	708.5	710.8	716.4
177.1	177.4	177.7	177.4	177.1	176.9	5°	551.6	556.1	562.8	573.9	580.8	593.0
200.2	200.2	200.2	200.2	200.2	200.2	7.5°	411.4	418.1	423.7	436.0	446.2	458.6
224.3	223.9	223.8	223.8	223.8	223.8	10°	356.4	362.1	369.9	377.7	387.9	393.5
249.3	249.3	249.3	249.1	248.8	248.5	12.5°	317.2	325.1	332.9	344.2	354.2	364.4
272.4	272.1	271.8	272.1	272.4	272.6	15°	269.0	278.0	287.0	299.3	313.9	324.0
295.9	295.6	295.5	295.5	295.5	295.5	17.5°	208.5	218.6	231.0	247.8	263.5	275.8
319.4	319.2	319.0	319.0	319.0	319.0	20°	153.6	162.5	173.7	188.4	199.5	220.8
342.1	341.7	341.5	341.5	341.5	341.5	22.5°	113.3	118.8	127.8	139.0	151.4	170.4
362.6	362.4	362.2	362.2	362.2	362.2	25°	95.3	97.6	100.9	107.7	115.4	129.0
383.8	383.3	382.8	382.8	382.8	382.8	27.5°	88.6	89.7	92.0	95.3	99.8	106.4
404.9	404.6	404.3	404.3	404.3	404.3	30°	93.1	93.1	93.1	94.1	96.4	99.8
425.4	425.2	425.0	425.2	425.4	425.8	32.5°	75.1	76.3	76.3	78.5	79.6	84.1
444.1	443.9	443.7	444.1	444.6	445.1	35°	67.2	68.5	69.5	70.7	72.9	74.0
460.3	460.3	460.3	460.8	461.3	461.8	37.5°	63.9	64.9	66.1	66.1	67.2	69.5
477.0	477.0	477.0	477.2	477.4	477.8	40°	62.8	62.8	62.8	62.8	64.9	67.2
494.2	493.9	493.7	493.9	494.2	494.4	42.5°	60.5	60.5	60.5	61.6	64.9	69.5
507.9	507.6	507.5	507.9	508.4	508.9	45°	60.5	60.5	61.6	66.1	67.2	67.2
520.2	520.2	520.2	520.7	521.2	521.6	47.5°	62.8	64.9	66.1	64.9	63.9	63.9
529.0	529.6	530.0	530.4	531.0	531.4	50°	68.5	67.2	62.8	61.6	61.6	59.4
538.8	539.3	539.8	540.6	541.3	541.9	52.5°	67.2	62.8	61.6	59.4	57.2	56.1
548.1	547.9	547.7	548.1	548.7	549.1	55°	60.5	59.4	56.1	53.8	52.7	53.8
554.5	554.1	553.5	553.7	554.1	554.3	57.5°	52.7	51.6	49.4	49.4	50.5	51.6
556.9	556.7	556.5	556.9	557.5	557.9	60°	45.9	45.9	45.9	47.1	48.1	49.4
558.5	558.9	559.5	560.3	560.9	561.6	62.5°	41.5	42.6	42.6	44.8	45.9	47.1
563.3	563.3	563.3	564.1	564.9	565.6	65°	39.3	40.3	41.5	41.5	42.6	43.7
565.3	565.3	565.3	565.3	565.3	565.3	67.5°	37.0	37.0	38.1	39.3	40.3	41.5
						70°	33.7	34.8	35.9	37.0	37.0	38.1
						72.5°	31.4	31.4	32.5	33.7	33.7	35.9
						75°	26.9	28.0	28.0	28.0	29.1	31.4
						77.5°	23.5	22.4	23.5	23.5	24.6	25.8
						80°	16.8	15.7	15.7	16.8	16.8	16.8
						82.5°	8.9	7.8	8.9	7.8	7.8	8.9
						85°	0.0	0.0	0.0	0.0	0.0	0.0
						87.5°	0.0	0.0	0.0	0.0	0.0	0.0
						90°	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
						95°	1.0	1.0	1.0	1.0	1.0	1.0
						97.5°	12.8	11.8	10.8	9.8	8.8	7.6
						100°	31.4	30.9	30.5	29.9	29.5	27.5
						102.5°	50.0	49.9	49.6	49.2	49.0	47.9
						105°	69.7	69.5	69.2	68.9	68.7	67.7
						107.5°	91.3	90.8	90.3	89.8	89.3	88.6
						110°	111.9	111.4	110.9	110.4	110.0	109.4

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CANDELA DISTRIBUTION (continued):

320°	322.5°	325°	335°	345°		305°	307.5°	310°	312.5°	315°	317.5°	320°
783.6	783.6	783.6	783.6	783.6	112.5°	133.5	132.9	132.5	132.1	131.5	131.1	130.5
715.2	725.3	729.9	756.7	784.7	115°	155.0	154.6	154.1	153.6	153.1	152.6	152.2
590.7	610.9	614.4	663.7	711.9	117.5°	176.7	176.4	176.2	175.9	175.7	175.2	174.7
461.9	485.4	492.1	557.2	624.4	120°	200.2	199.7	199.2	198.7	198.3	198.1	197.8
402.4	413.7	421.6	469.7	547.1	122.5°	223.8	223.6	223.3	223.0	222.8	222.6	222.3
373.3	384.6	394.6	433.8	494.3	125°	248.3	248.1	247.8	247.6	247.3	247.1	246.9
334.1	346.4	358.7	406.9	477.6	127.5°	272.8	272.4	271.8	271.4	270.9	270.4	269.9
285.9	302.7	318.4	376.7	469.7	130°	295.5	294.9	294.5	293.9	293.5	293.3	292.9
232.0	252.2	271.3	344.2	458.6	132.5°	319.0	318.2	317.6	316.8	316.0	315.8	315.6
182.7	200.7	222.0	313.9	458.6	135°	341.5	340.7	340.1	339.4	338.6	338.6	338.6
141.2	159.2	180.5	287.0	470.8	137.5°	362.2	361.7	361.2	360.7	360.2	360.2	360.2
115.4	130.1	151.4	265.7	488.8	140°	382.8	382.6	382.3	382.0	381.8	381.6	381.3
104.2	113.3	126.8	234.3	501.2	142.5°	404.3	403.9	403.4	402.9	402.4	402.4	402.4
88.6	95.3	107.7	215.2	509.0	145°	426.0	425.4	425.0	424.4	424.0	423.8	423.6
78.5	86.2	98.6	202.8	507.8	147.5°	445.6	445.4	445.1	444.8	444.6	444.4	444.1
72.9	80.7	95.3	198.4	507.8	150°	462.3	462.1	461.8	461.5	461.3	461.1	460.8
72.9	80.7	93.1	193.9	511.1	152.5°	478.0	477.8	477.4	477.2	477.0	476.8	476.6
71.8	76.3	86.2	191.7	516.9	155°	494.7	494.4	494.2	493.9	493.7	493.7	493.7
68.5	71.8	81.8	191.7	528.0	157.5°	509.4	509.4	509.4	509.4	509.4	509.4	509.4
63.9	68.5	78.5	195.0	549.3	160°	522.2	522.2	522.2	522.2	522.2	522.2	522.2
60.5	64.9	77.3	195.0	593.0	162.5°	532.0	531.8	531.4	531.2	531.0	531.0	531.0
57.2	63.9	76.3	192.9	655.9	165°	542.8	542.6	542.3	541.9	541.8	541.8	541.8
56.1	61.6	74.0	190.6	733.2	167.5°	549.7	549.7	549.7	549.7	549.7	549.9	550.1
55.0	59.4	68.5	185.1	794.8	170°	554.5	554.7	555.1	555.3	555.5	555.7	556.1
52.7	56.1	62.8	174.9	836.3	172.5°	558.5	558.3	557.9	557.7	557.5	557.7	557.9
49.4	52.7	57.2	163.7	845.2	175°	562.4	562.2	561.9	561.6	561.4	561.4	561.4
47.1	50.5	57.2	154.7	790.3	177.5°	566.3	566.3	566.3	566.3	566.3	566.5	566.8
43.7	49.4	58.3	146.9	670.3	180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3
41.5	49.4	59.4	143.5	532.4								
39.3	48.1	60.5	137.9	401.4								
35.9	43.7	52.7	114.4	271.3								
29.1	33.7	39.3	72.9	143.5								
19.0	20.2	22.4	44.8	79.6								
8.9	11.2	11.2	21.3	35.9								
0.0	0.0	0.0	2.2	7.8								
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								
1.0	1.0	1.0	1.0	1.0								
6.4	5.1	4.0	3.0	2.0								
25.5	23.5	21.6	13.7	9.8								
46.6	45.4	44.2	37.3	31.4								
66.7	65.8	64.8	59.8	55.0								
87.9	87.1	86.3	82.5	78.5								
109.0	108.4	108.0	104.0	101.1								

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CANDELA DISTRIBUTION (continued):

322.5°	325°	335°	345°		355°	359°	360°
130.1	129.5	126.6	123.7	0°	783.6	783.6	783.6
151.6	151.2	148.2	146.2	2.5°	811.6	825.1	831.8
174.2	173.7	170.8	168.8	5°	767.9	796.0	804.9
197.4	197.3	194.3	192.3	7.5°	701.8	733.2	745.5
222.0	221.8	218.8	216.9	10°	635.6	674.9	687.2
246.6	246.3	243.4	242.5	12.5°	596.4	643.5	650.2
269.4	269.0	267.0	265.0	15°	580.8	628.9	642.4
292.7	292.5	288.5	287.5	17.5°	596.4	650.2	663.7
315.2	315.0	312.1	311.2	20°	626.7	692.9	714.2
338.6	338.6	334.7	332.7	22.5°	678.2	767.9	794.8
360.2	360.2	357.3	356.3	25°	762.3	886.8	910.3
381.0	380.8	378.8	377.8	27.5°	852.0	980.9	1017.9
402.4	402.4	399.5	400.5	30°	930.5	1068.4	1098.5
423.2	423.0	420.0	420.0	32.5°	986.5	1137.8	1172.6
443.9	443.7	439.7	438.7	35°	1052.6	1217.5	1251.1
460.5	460.3	456.4	455.4	37.5°	1128.9	1314.0	1359.9
476.2	476.0	473.0	474.0	40°	1213.0	1413.7	1465.1
493.7	493.7	491.7	492.7	42.5°	1289.2	1506.6	1563.9
509.4	509.4	506.5	507.5	45°	1348.6	1594.1	1639.0
522.2	522.2	519.2	519.2	47.5°	1417.0	1661.3	1711.8
531.0	531.0	528.0	529.0	50°	1511.2	1746.6	1806.0
541.8	541.8	537.8	538.8	52.5°	1649.1	1891.2	1933.8
550.4	550.6	547.7	548.7	55°	1816.1	2066.1	2114.3
556.3	556.5	554.5	555.5	57.5°	1969.6	2228.7	2270.1
558.3	558.5	556.5	558.5	60°	2068.3	2303.7	2338.5
561.4	561.4	558.5	559.5	62.5°	2069.4	2305.9	2349.7
567.1	567.3	563.3	564.3	65°	1987.6	2256.6	2305.9
565.3	565.3	565.3	565.3	67.5°	1780.2	2131.0	2207.3
				70°	1503.3	1884.5	1969.6
				72.5°	1172.6	1480.9	1578.4
				75°	794.8	983.1	1068.4
				77.5°	505.6	567.3	595.3
				80°	298.1	335.2	349.8
				82.5°	185.1	199.5	214.2
				85°	75.1	53.8	58.3
				87.5°	0.0	0.0	0.0
				90°	0.0	0.0	0.0
				92.5°	0.0	0.0	0.0
				95°	1.0	1.0	1.0
				97.5°	2.0	2.0	2.0
				100°	7.8	7.8	7.8
				102.5°	27.5	27.5	27.5
				105°	53.0	53.0	53.0
				107.5°	75.5	76.4	76.5
				110°	100.1	99.4	99.2

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CANDELA DISTRIBUTION (continued):

	355°	359°	360°
112.5°	121.7	121.7	121.7
115°	144.3	143.5	143.3
117.5°	166.8	166.1	165.8
120°	191.4	189.8	189.5
122.5°	216.0	215.1	215.0
125°	241.5	239.8	239.5
127.5°	264.0	262.5	262.0
130°	286.6	285.0	284.7
132.5°	308.2	307.4	307.2
135°	330.8	329.9	329.8
137.5°	353.3	352.6	352.3
140°	375.9	375.1	375.0
142.5°	398.5	396.9	396.5
145°	418.1	417.4	417.2
147.5°	435.8	435.8	435.8
150°	453.5	452.7	452.5
152.5°	471.1	470.4	470.2
155°	490.7	489.9	489.8
157.5°	505.5	503.9	503.5
160°	517.2	515.6	515.3
162.5°	526.0	525.3	525.1
165°	536.8	536.1	535.9
167.5°	545.7	544.9	544.7
170°	552.5	551.8	551.6
172.5°	555.5	554.7	554.5
175°	558.5	556.9	556.5
177.5°	562.4	561.6	561.4
180°	565.3	565.3	565.3

(END OF REPORT)