

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: P271515

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271515
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29764)
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
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2831.6 lumens
Efficiency: N/A
Efficacy: 84.0 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 - U0 - G1

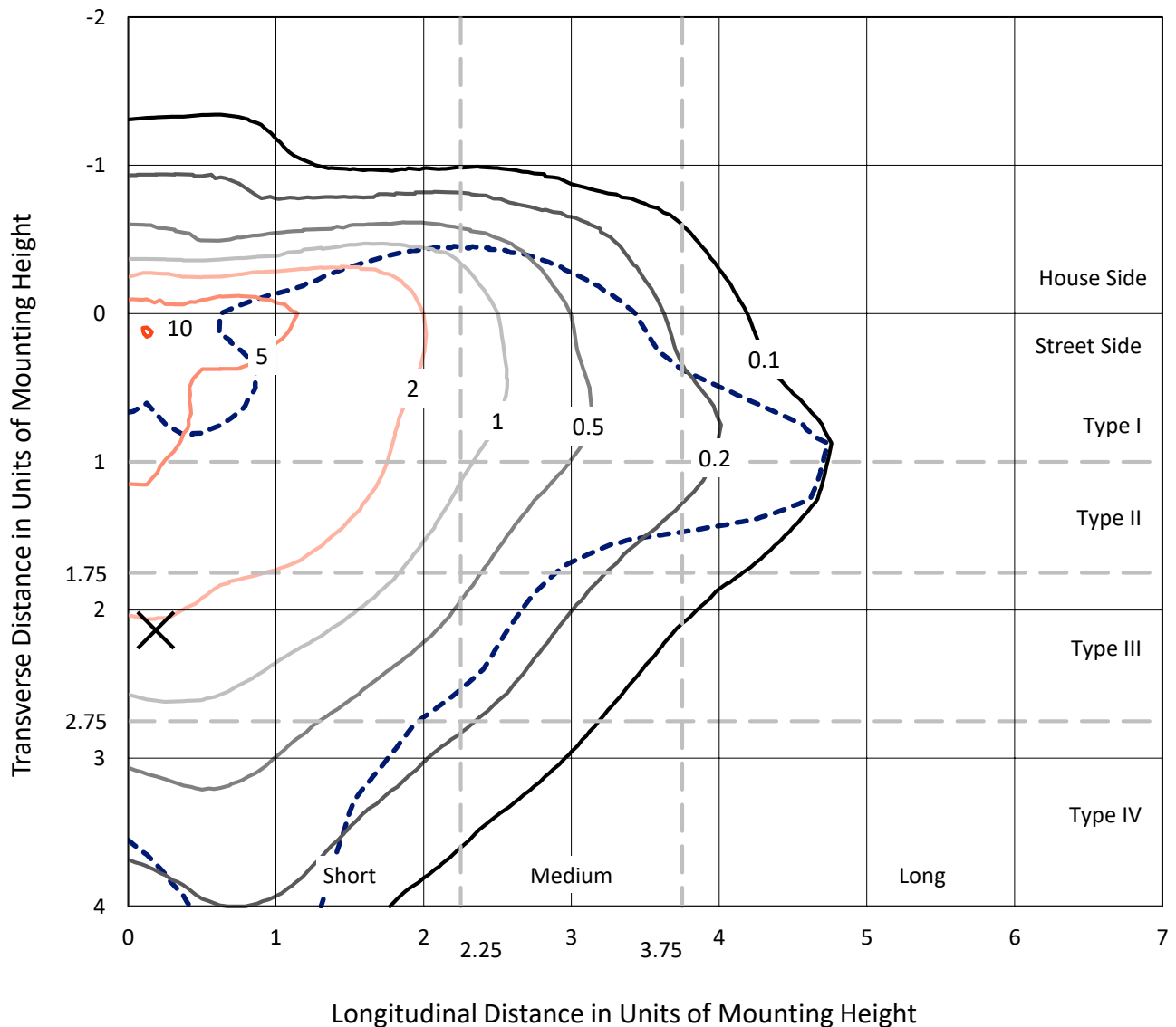
Input Watts (W): 33.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

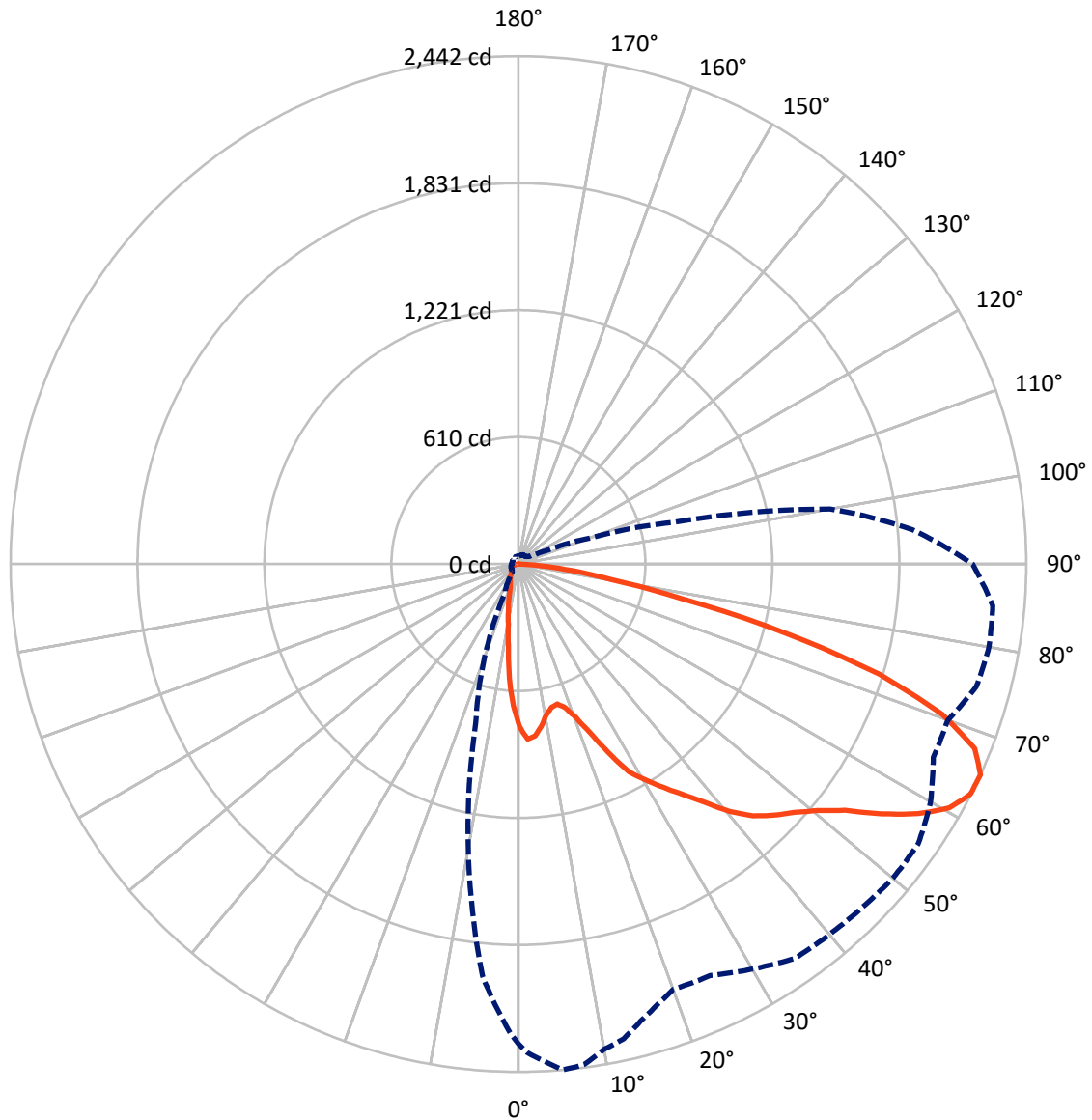
× Max cd
 - - - 1/2 Max cd



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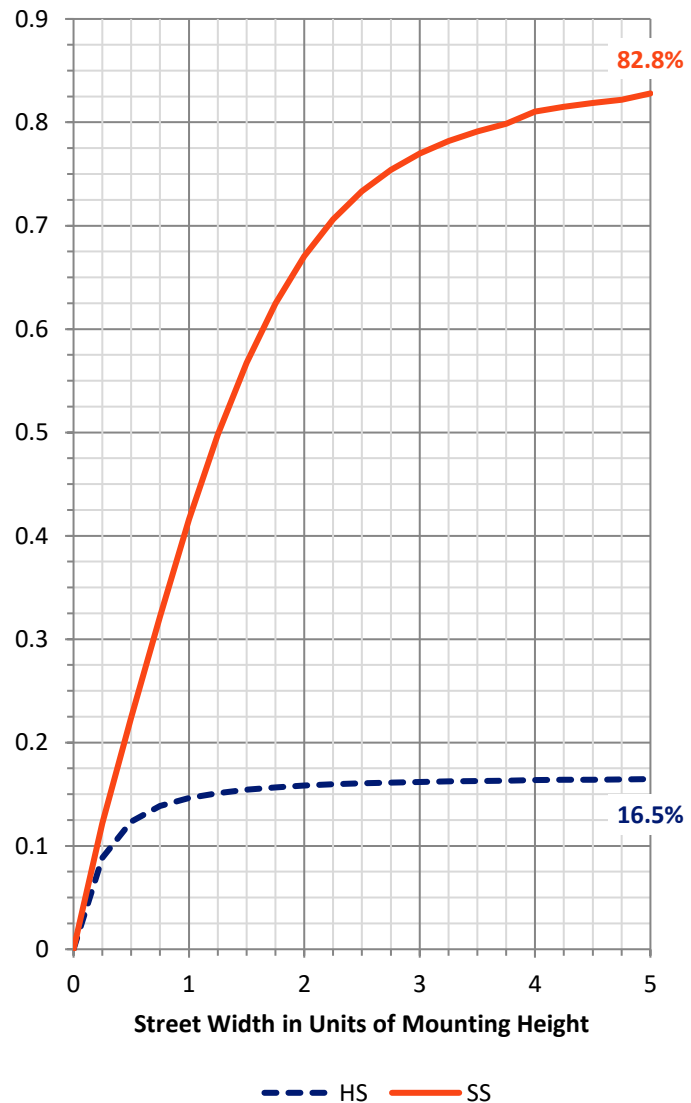
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	470.8	0.0	470.8
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	2360.8	0.0	2360.8
	% Fixture	83.4	0.0	83.4
Total	Lumens	2831.6	0.0	2831.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	2.1
10°-20°	124.0	4.4
20°-30°	180.2	6.4
30°-40°	266.6	9.4
40°-50°	388.4	13.7
50°-60°	582.2	20.6
60°-70°	725.5	25.6
70°-80°	425.0	15.0
80°-90°	79.5	2.8
90°-100°	0.0	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°	2831.6	100.0
0°-180°	2831.6	100.0



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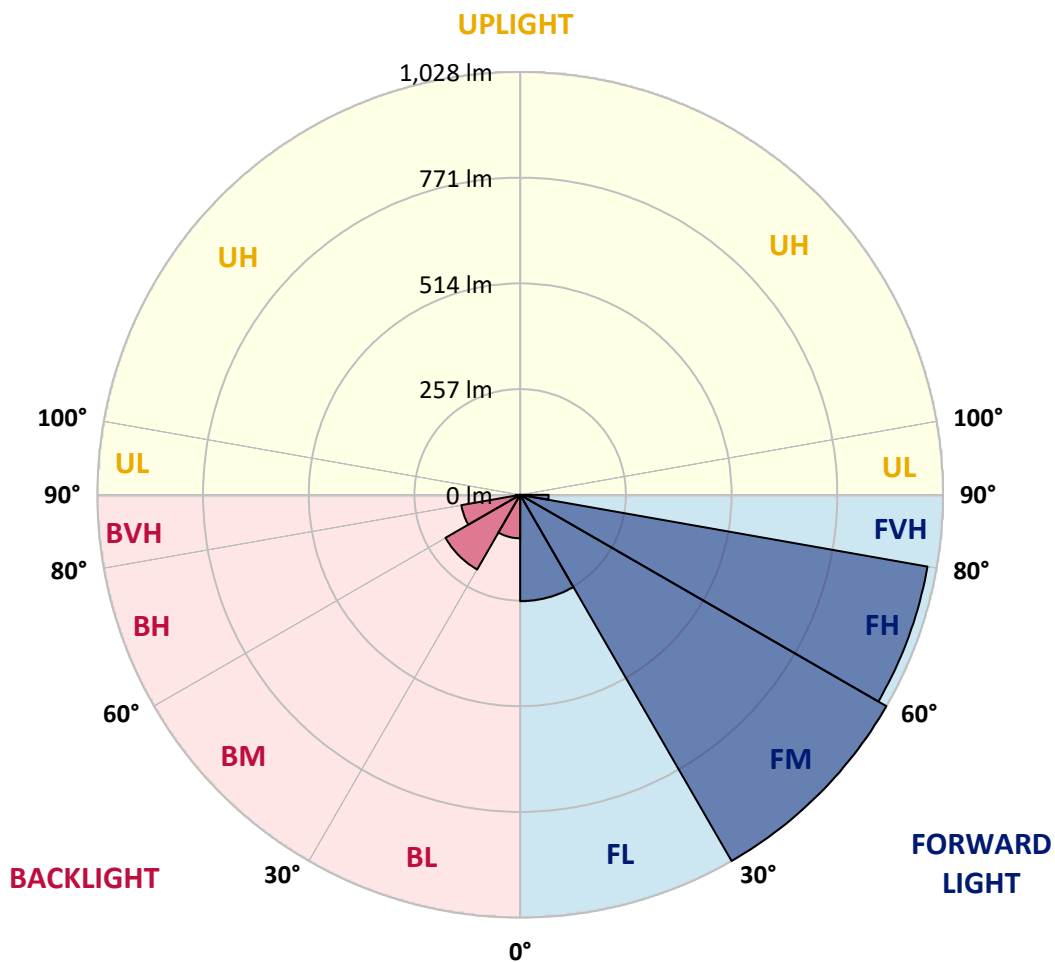
CATALOG NUMBER: ISS-AF-600-LED-E1-SLL-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	258.7	9.1			
FM	(30°-60°)	1027.6	36.3			
FH	(60°-80°)	1005.2	35.5			G1/1800
FVH	(80°-90°)	69.2	2.4			G1/100
BL	(0°-30°)	105.7	3.7	B0/110		
BM	(30°-60°)	209.6	7.4	B0/220		
BH	(60°-80°)	145.3	5.1	B1/500		G1/500
BVH	(80°-90°)	10.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-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



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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



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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



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

CANDELA DISTRIBUTION (continued):

	175°	180°	185°	195°	205°	215°	225°	230°	232.5°	235°	237.5°
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°	697.3	680.5	681.6	678.2	669.2	654.7	650.2	642.4	643.5	647.9	643.5
5°	569.4	549.3	551.6	550.4	541.5	531.3	523.5	513.4	510.1	513.4	507.8
7.5°	403.6	390.1	394.6	404.7	403.6	397.9	391.2	380.1	377.7	378.9	368.8
10°	308.3	294.8	291.5	290.3	288.1	284.8	275.8	266.8	263.5	264.6	257.8
12.5°	257.8	246.7	233.2	220.8	209.7	205.2	193.9	188.4	187.2	187.2	183.8
15°	204.1	195.0	187.2	174.9	165.8	159.2	151.4	146.9	145.7	146.9	146.9
17.5°	152.4	148.0	144.5	143.5	139.0	134.6	130.1	127.8	126.8	126.8	127.8
20°	116.6	115.4	115.4	115.4	121.1	125.5	126.8	123.2	122.2	121.1	119.9
22.5°	100.9	99.8	100.9	107.7	104.2	100.9	100.9	100.9	100.9	100.9	102.0
25°	93.1	94.1	95.3	92.0	88.6	86.2	85.2	85.2	84.1	84.1	85.2
27.5°	88.6	87.5	86.2	84.1	81.8	78.5	77.3	76.3	76.3	76.3	76.3
30°	82.9	81.8	80.7	78.5	75.1	70.7	69.5	69.5	68.5	69.5	69.5
32.5°	76.3	75.1	74.0	71.8	68.5	66.1	64.9	62.8	62.8	62.8	63.9
35°	61.6	60.5	60.5	61.6	61.6	60.5	60.5	58.3	58.3	58.3	58.3
37.5°	57.2	56.1	56.1	55.0	56.1	57.2	56.1	55.0	55.0	53.8	53.8
40°	53.8	53.8	52.7	51.6	51.6	53.8	52.7	51.6	50.5	50.5	50.5
42.5°	51.6	50.5	50.5	49.4	49.4	49.4	48.1	47.1	45.9	45.9	45.9
45°	49.4	49.4	48.1	47.1	45.9	45.9	43.7	42.6	42.6	42.6	43.7
47.5°	48.1	47.1	47.1	45.9	44.8	42.6	41.5	40.3	40.3	40.3	40.3
50°	47.1	45.9	44.8	44.8	42.6	41.5	40.3	39.3	39.3	39.3	39.3
52.5°	45.9	44.8	43.7	42.6	41.5	40.3	39.3	38.1	38.1	38.1	38.1
55°	43.7	42.6	42.6	41.5	41.5	40.3	39.3	38.1	38.1	38.1	37.0
57.5°	42.6	41.5	40.3	40.3	40.3	39.3	38.1	37.0	37.0	37.0	37.0
60°	41.5	40.3	40.3	39.3	39.3	38.1	38.1	37.0	35.9	35.9	34.8
62.5°	40.3	39.3	39.3	38.1	39.3	38.1	37.0	35.9	34.8	34.8	33.7
65°	39.3	38.1	38.1	38.1	37.0	37.0	35.9	33.7	33.7	33.7	32.5
67.5°	37.0	35.9	35.9	37.0	35.9	34.8	34.8	32.5	32.5	31.4	31.4
70°	33.7	33.7	33.7	34.8	33.7	32.5	32.5	31.4	30.3	29.1	29.1
72.5°	31.4	30.3	31.4	31.4	31.4	30.3	31.4	29.1	28.0	26.9	26.9
75°	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	25.8	24.6	23.5
77.5°	21.3	22.4	22.4	22.4	22.4	23.5	22.4	22.4	22.4	21.3	20.2
80°	15.7	15.7	16.8	18.0	16.8	18.0	16.8	18.0	16.8	16.8	16.8
82.5°	8.9	8.9	10.2	11.2	11.2	12.4	10.2	11.2	11.2	12.4	11.2
85°	3.3	3.3	3.3	3.3	4.5	4.5	3.3	4.5	4.5	5.6	5.6
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



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CANDELA DISTRIBUTION (continued):

	240°	242.5°	245°	247.5°	250°	252.5°	255°	257.5°	260°	265°	270°
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°	652.5	652.5	639.1	641.2	643.5	647.9	645.7	644.6	643.5	650.2	653.6
5°	512.3	511.1	494.3	493.3	496.7	497.8	494.3	488.8	485.4	486.5	489.8
7.5°	372.2	368.8	353.1	350.9	349.8	350.9	347.6	342.0	337.4	338.5	342.0
10°	260.1	251.2	248.9	250.0	252.2	254.5	254.5	254.5	255.6	262.3	270.2
12.5°	188.4	185.1	187.2	189.5	193.9	197.3	200.7	201.8	202.8	211.9	218.6
15°	149.1	149.1	151.4	152.4	154.7	156.9	159.2	159.2	160.3	163.7	169.3
17.5°	129.0	129.0	129.0	129.0	129.0	127.8	126.8	124.4	123.2	122.2	123.2
20°	118.8	117.7	115.4	114.4	112.1	109.9	108.8	105.4	104.2	100.9	99.8
22.5°	102.0	100.9	100.9	100.9	100.9	99.8	98.6	97.6	95.3	92.0	89.7
25°	84.1	84.1	84.1	85.2	85.2	86.2	88.6	88.6	88.6	88.6	85.2
27.5°	76.3	76.3	76.3	76.3	77.3	77.3	78.5	78.5	78.5	79.6	80.7
30°	69.5	70.7	70.7	71.8	71.8	72.9	72.9	74.0	74.0	75.1	75.1
32.5°	63.9	63.9	64.9	66.1	66.1	66.1	68.5	68.5	67.2	68.5	68.5
35°	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	55.0	53.8	55.0
37.5°	52.7	51.6	51.6	50.5	49.4	49.4	49.4	50.5	49.4	50.5	50.5
40°	48.1	48.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	48.1	49.4
42.5°	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	45.9	45.9
45°	42.6	42.6	42.6	42.6	43.7	43.7	43.7	43.7	43.7	43.7	44.8
47.5°	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	42.6	43.7
50°	39.3	39.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	41.5	42.6
52.5°	38.1	38.1	38.1	39.3	39.3	39.3	39.3	39.3	39.3	39.3	40.3
55°	37.0	38.1	38.1	38.1	38.1	38.1	37.0	37.0	37.0	37.0	38.1
57.5°	35.9	35.9	37.0	37.0	37.0	35.9	35.9	34.8	34.8	34.8	37.0
60°	34.8	34.8	34.8	34.8	34.8	33.7	33.7	33.7	33.7	34.8	34.8
62.5°	33.7	33.7	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
65°	32.5	32.5	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
67.5°	30.3	30.3	30.3	29.1	29.1	29.1	29.1	30.3	29.1	29.1	29.1
70°	28.0	28.0	28.0	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
72.5°	25.8	25.8	25.8	25.8	24.6	24.6	24.6	24.6	24.6	24.6	24.6
75°	23.5	22.4	22.4	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
77.5°	20.2	19.0	19.0	19.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
80°	16.8	15.7	15.7	14.6	14.6	14.6	14.6	14.6	14.6	13.5	13.5
82.5°	12.4	11.2	11.2	11.2	11.2	10.2	10.2	10.2	10.2	8.9	7.8
85°	5.6	5.6	4.5	5.6	5.6	6.7	5.6	5.6	5.6	4.5	2.2
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



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°	302.5°	
0°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	0°
2.5°	651.3	662.5	663.7	656.9	670.3	672.7	669.2	669.2	671.6	680.5	680.5	2.5°
5°	485.4	500.0	498.9	489.8	507.8	513.4	510.1	511.1	515.6	525.8	531.3	5°
7.5°	343.1	355.4	354.2	353.1	364.4	368.8	371.1	374.4	387.9	389.0	395.7	7.5°
10°	278.0	289.3	292.6	300.4	303.8	310.5	315.0	320.7	331.8	337.4	345.3	10°
12.5°	225.4	238.8	242.1	251.2	255.6	263.5	268.0	279.1	285.9	292.6	302.7	12.5°
15°	173.7	185.1	188.4	195.0	199.5	208.5	213.0	219.7	233.2	239.8	253.3	15°
17.5°	127.8	134.6	136.7	141.2	144.5	148.0	156.9	168.2	176.0	187.2	193.9	17.5°
20°	99.8	102.0	103.1	104.2	106.4	108.8	113.3	121.1	125.5	134.6	141.2	20°
22.5°	89.7	90.8	90.8	92.0	92.0	93.1	95.3	97.6	99.8	103.1	106.4	22.5°
25°	82.9	84.1	84.1	85.2	85.2	86.2	87.5	88.6	90.8	92.0	93.1	25°
27.5°	79.6	79.6	79.6	79.6	80.7	80.7	81.8	84.1	84.1	86.2	87.5	27.5°
30°	76.3	76.3	76.3	77.3	78.5	80.7	82.9	86.2	87.5	89.7	90.8	30°
32.5°	70.7	68.5	70.7	69.5	67.2	67.2	68.5	70.7	70.7	71.8	72.9	32.5°
35°	55.0	55.0	56.1	57.2	57.2	58.3	59.4	60.5	61.6	63.9	64.9	35°
37.5°	51.6	52.7	52.7	53.8	55.0	55.0	56.1	58.3	59.4	60.5	61.6	37.5°
40°	49.4	50.5	51.6	52.7	52.7	53.8	55.0	56.1	57.2	59.4	60.5	40°
42.5°	47.1	49.4	49.4	50.5	51.6	52.7	53.8	55.0	57.2	58.3	59.4	42.5°
45°	45.9	47.1	48.1	49.4	50.5	51.6	52.7	55.0	56.1	58.3	59.4	45°
47.5°	44.8	45.9	47.1	48.1	49.4	50.5	51.6	53.8	56.1	58.3	60.5	47.5°
50°	42.6	44.8	45.9	47.1	48.1	49.4	51.6	53.8	56.1	59.4	64.9	50°
52.5°	41.5	43.7	43.7	45.9	47.1	49.4	51.6	53.8	57.2	61.6	67.2	52.5°
55°	39.3	41.5	41.5	43.7	45.9	48.1	49.4	52.7	56.1	60.5	61.6	55°
57.5°	37.0	39.3	40.3	41.5	43.7	45.9	47.1	50.5	55.0	56.1	55.0	57.5°
60°	35.9	37.0	38.1	39.3	41.5	42.6	45.9	52.7	57.2	52.7	47.1	60°
62.5°	33.7	35.9	37.0	38.1	40.3	41.5	43.7	48.1	49.4	43.7	42.6	62.5°
65°	32.5	34.8	34.8	37.0	38.1	38.1	39.3	39.3	39.3	39.3	39.3	65°
67.5°	30.3	32.5	32.5	33.7	34.8	34.8	35.9	35.9	35.9	35.9	35.9	67.5°
70°	28.0	29.1	30.3	31.4	31.4	31.4	32.5	32.5	32.5	33.7	33.7	70°
72.5°	25.8	26.9	26.9	28.0	28.0	29.1	29.1	30.3	30.3	30.3	31.4	72.5°
75°	21.3	22.4	23.5	24.6	24.6	25.8	25.8	25.8	25.8	26.9	26.9	75°
77.5°	18.0	18.0	20.2	20.2	21.3	21.3	22.4	22.4	22.4	22.4	22.4	77.5°
80°	13.5	13.5	14.6	15.7	16.8	16.8	16.8	16.8	16.8	16.8	16.8	80°
82.5°	7.8	7.8	8.9	8.9	10.2	10.2	11.2	10.2	10.2	8.9	8.9	82.5°
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1	1.1	0.0	0.0	85°
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°

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DISTRIBUTION (continued):

CANDELA DISTRIBUTION

305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	335°	345°		355°
783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	0°	783.6
697.3	697.3	699.5	708.5	710.8	716.4	715.2	725.3	729.9	756.7	784.7	2.5°	811.6
551.6	556.1	562.8	573.9	580.8	593.0	590.7	610.9	614.4	663.7	711.9	5°	767.9
411.4	418.1	423.7	436.0	446.2	458.6	461.9	485.4	492.1	557.2	624.4	7.5°	701.8
356.4	362.1	369.9	377.7	387.9	393.5	402.4	413.7	421.6	469.7	547.1	10°	635.6
317.2	325.1	332.9	344.2	354.2	364.4	373.3	384.6	394.6	433.8	494.3	12.5°	596.4
269.0	278.0	287.0	299.3	313.9	324.0	334.1	346.4	358.7	406.9	477.6	15°	580.8
208.5	218.6	231.0	247.8	263.5	275.8	285.9	302.7	318.4	376.7	469.7	17.5°	596.4
153.6	162.5	173.7	188.4	199.5	220.8	232.0	252.2	271.3	344.2	458.6	20°	626.7
113.3	118.8	127.8	139.0	151.4	170.4	182.7	200.7	222.0	313.9	458.6	22.5°	678.2
95.3	97.6	100.9	107.7	115.4	129.0	141.2	159.2	180.5	287.0	470.8	25°	762.3
88.6	89.7	92.0	95.3	99.8	106.4	115.4	130.1	151.4	265.7	488.8	27.5°	852.0
93.1	93.1	93.1	94.1	96.4	99.8	104.2	113.3	126.8	234.3	501.2	30°	930.5
75.1	76.3	76.3	78.5	79.6	84.1	88.6	95.3	107.7	215.2	509.0	32.5°	986.5
67.2	68.5	69.5	70.7	72.9	74.0	78.5	86.2	98.6	202.8	507.8	35°	1052.6
63.9	64.9	66.1	66.1	67.2	69.5	72.9	80.7	95.3	198.4	507.8	37.5°	1128.9
62.8	62.8	62.8	62.8	64.9	67.2	72.9	80.7	93.1	193.9	511.1	40°	1213.0
60.5	60.5	60.5	61.6	64.9	69.5	71.8	76.3	86.2	191.7	516.9	42.5°	1289.2
60.5	60.5	61.6	66.1	67.2	67.2	68.5	71.8	81.8	191.7	528.0	45°	1348.6
62.8	64.9	66.1	64.9	63.9	63.9	63.9	68.5	78.5	195.0	549.3	47.5°	1417.0
68.5	67.2	62.8	61.6	61.6	59.4	60.5	64.9	77.3	195.0	593.0	50°	1511.2
67.2	62.8	61.6	59.4	57.2	56.1	57.2	63.9	76.3	192.9	655.9	52.5°	1649.1
60.5	59.4	56.1	53.8	52.7	53.8	56.1	61.6	74.0	190.6	733.2	55°	1816.1
52.7	51.6	49.4	49.4	50.5	51.6	55.0	59.4	68.5	185.1	794.8	57.5°	1969.6
45.9	45.9	45.9	47.1	48.1	49.4	52.7	56.1	62.8	174.9	836.3	60°	2068.3
41.5	42.6	42.6	44.8	45.9	47.1	49.4	52.7	57.2	163.7	845.2	62.5°	2069.4
39.3	40.3	41.5	41.5	42.6	43.7	47.1	50.5	57.2	154.7	790.3	65°	1987.6
37.0	37.0	38.1	39.3	40.3	41.5	43.7	49.4	58.3	146.9	670.3	67.5°	1780.2
33.7	34.8	35.9	37.0	37.0	38.1	41.5	49.4	59.4	143.5	532.4	70°	1503.3
31.4	31.4	32.5	33.7	33.7	35.9	39.3	48.1	60.5	137.9	401.4	72.5°	1172.6
26.9	28.0	28.0	28.0	29.1	31.4	35.9	43.7	52.7	114.4	271.3	75°	794.8
23.5	22.4	23.5	23.5	24.6	25.8	29.1	33.7	39.3	72.9	143.5	77.5°	505.6
16.8	15.7	15.7	16.8	16.8	16.8	19.0	20.2	22.4	44.8	79.6	80°	298.1
8.9	7.8	8.9	7.8	7.8	8.9	8.9	11.2	11.2	21.3	35.9	82.5°	185.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	7.8	85°	75.1
0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	90°	0.0

'271515
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TION (continued):

359°	360°
783.6	783.6
825.1	831.8
796.0	804.9
733.2	745.5
674.9	687.2
643.5	650.2
628.9	642.4
650.2	663.7
692.9	714.2
767.9	794.8
886.8	910.3
980.9	1017.9
1068.4	1098.5
1137.8	1172.6
1217.5	1251.1
1314.0	1359.9
1413.7	1465.1
1506.6	1563.9
1594.1	1639.0
1661.3	1711.8
1746.6	1806.0
1891.2	1933.8
2066.1	2114.3
2228.7	2270.1
2303.7	2338.5
2305.9	2349.7
2256.6	2305.9
2131.0	2207.3
1884.5	1969.6
1480.9	1578.4
983.1	1068.4
567.3	595.3
335.2	349.8
199.5	214.2
53.8	58.3
0.0	0.0
0.0	0.0

(END OF REPORT)