

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: P228484

Luminaire Tested: **ISS-AF-600-LED-E1-SLL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228484
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-7030
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2885 lumens
Efficiency: N/A
Efficacy: 85.6 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

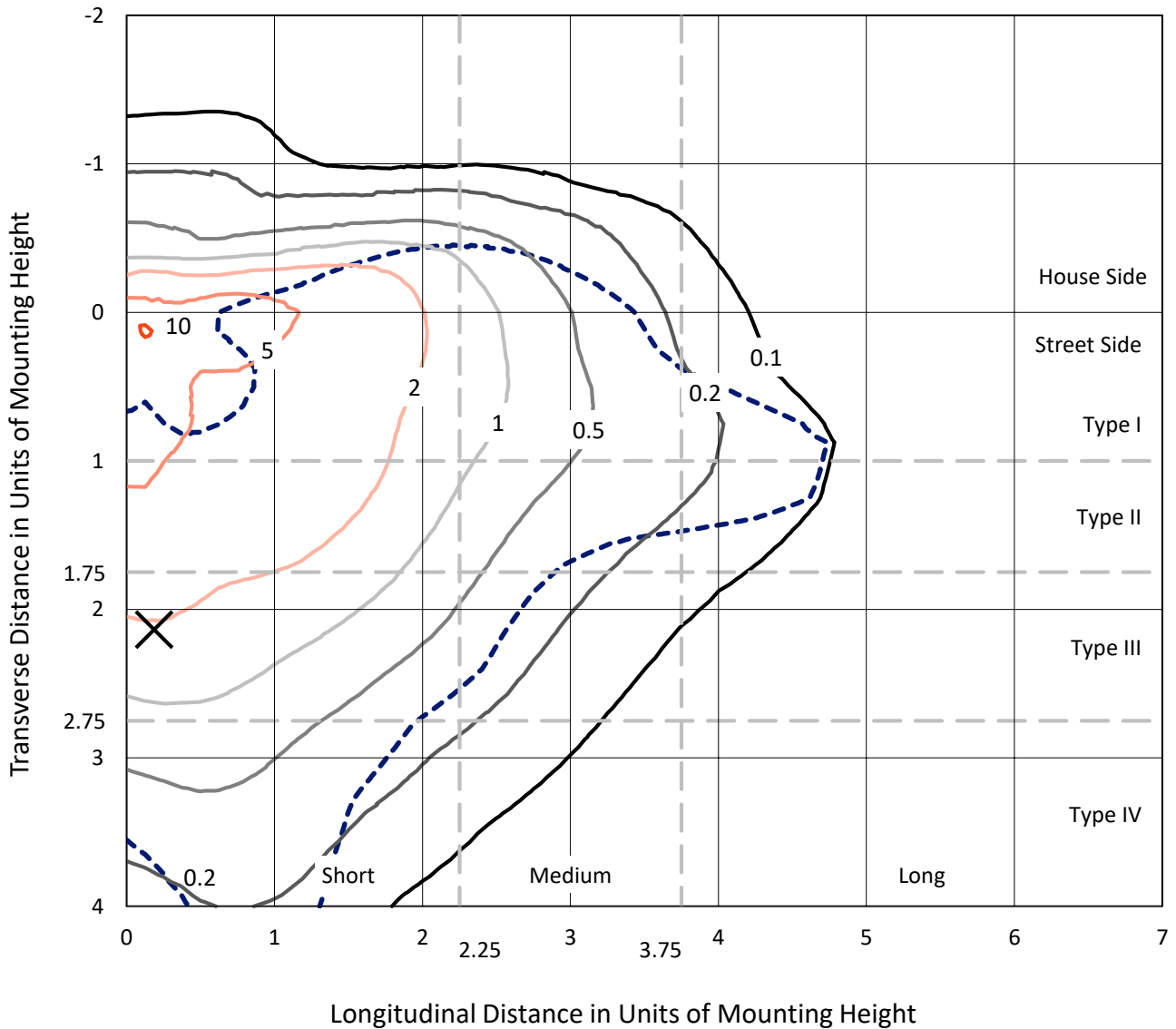


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Iso-Footcandle Lines of Horizontal Illumination

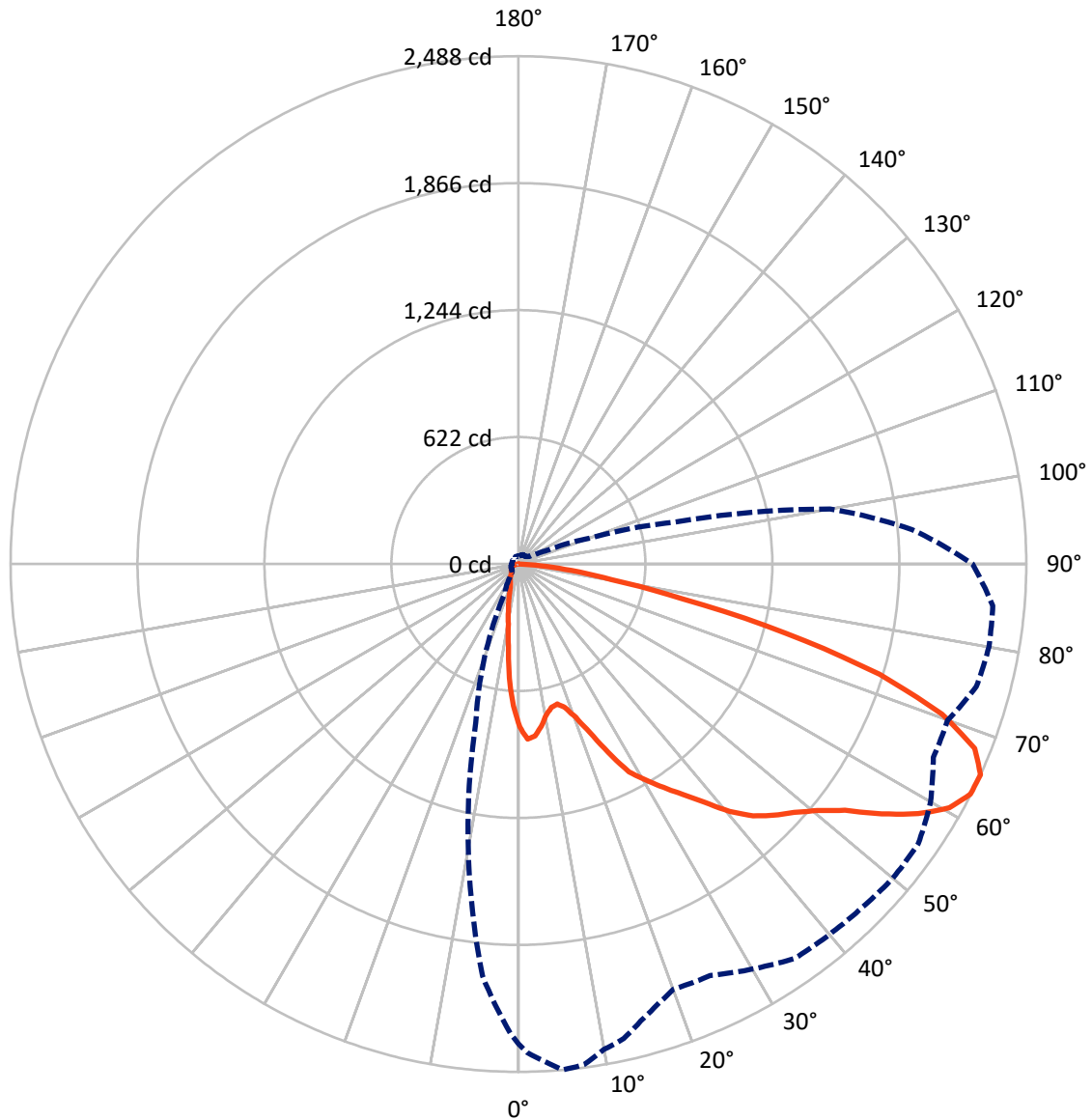
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 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	479.7	0.0	479.7
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	2405.3	0.0	2405.3
	% Fixture	83.4	0.0	83.4
Total	Lumens	2885.0	0.0	2885.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	2.1
10°-20°	126.3	4.4
20°-30°	183.6	6.4
30°-40°	271.6	9.4
40°-50°	395.7	13.7
50°-60°	593.2	20.6
60°-70°	739.2	25.6
70°-80°	433.0	15.0
80°-90°	81.0	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°	2885.0	100.0
0°-180°	2885.0	100.0



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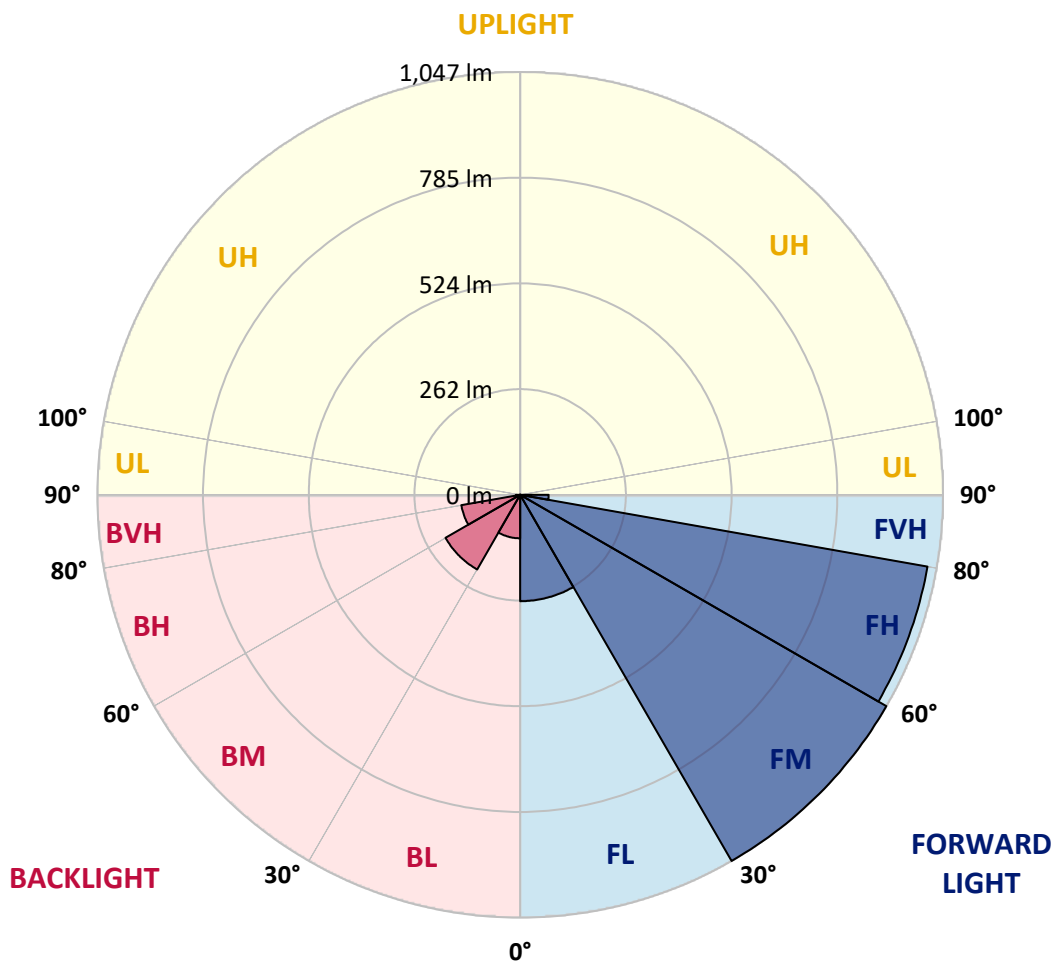
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	263.6	9.1			
FM	(30°-60°)	1047.0	36.3			
FH	(60°-80°)	1024.2	35.5			G1/1800
FVH	(80°-90°)	70.5	2.4			G1/100
BL	(0°-30°)	107.7	3.7	B0/110		
BM	(30°-60°)	213.5	7.4	B0/220		
BH	(60°-80°)	148.1	5.1	B1/500		G1/500
BVH	(80°-90°)	10.4	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°	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4
2.5°	847.5	845.2	858.9	861.2	870.4	870.4	880.6	889.8	893.2	901.2	921.8
5°	820.1	826.9	846.4	865.8	879.5	893.2	908.0	926.3	941.2	966.3	1018.8
7.5°	759.6	769.8	803.0	822.4	844.1	868.1	886.3	908.0	930.9	973.1	1066.8
10°	700.2	708.2	750.4	774.4	805.2	830.4	856.6	880.6	905.8	958.3	1066.8
12.5°	662.5	672.8	720.7	743.6	779.0	805.2	837.2	865.8	895.5	951.4	1056.5
15°	654.5	665.9	711.6	740.1	771.0	796.1	824.7	854.4	884.1	938.9	1032.5
17.5°	676.2	689.9	739.0	771.0	795.0	823.5	844.1	872.6	892.1	935.5	980.0
20°	727.6	743.6	801.8	832.7	852.1	870.4	886.3	903.5	911.5	921.8	913.8
22.5°	809.8	829.2	895.5	930.9	944.6	958.3	959.4	961.7	956.0	928.6	866.9
25°	927.5	946.9	1022.3	1056.5	1056.5	1056.5	1044.0	1034.8	1008.6	957.2	854.4
27.5°	1037.1	1062.2	1152.5	1174.2	1167.3	1157.0	1133.1	1110.2	1072.5	986.9	853.2
30°	1119.3	1144.5	1227.9	1245.0	1227.9	1202.7	1165.0	1131.9	1087.4	1001.7	861.2
32.5°	1194.7	1224.4	1304.4	1306.7	1275.8	1247.3	1205.0	1167.3	1120.5	1029.1	885.2
35°	1274.7	1304.4	1385.5	1369.5	1324.9	1286.1	1242.7	1209.6	1162.8	1064.5	924.0
37.5°	1385.5	1411.8	1480.3	1442.6	1385.5	1335.2	1288.4	1245.0	1198.2	1112.5	989.1
40°	1492.8	1530.5	1593.4	1532.8	1463.2	1395.8	1344.4	1298.7	1247.3	1177.6	1072.5
42.5°	1593.4	1628.8	1687.0	1609.4	1528.3	1460.9	1407.2	1358.1	1309.0	1251.8	1173.0
45°	1669.9	1706.4	1755.6	1673.3	1580.8	1511.1	1452.9	1409.5	1366.1	1327.2	1299.8
47.5°	1744.1	1780.7	1818.4	1729.3	1637.9	1567.1	1498.6	1458.6	1424.3	1403.8	1436.9
50°	1840.1	1865.2	1897.2	1801.2	1704.2	1623.1	1554.5	1523.7	1491.7	1498.6	1609.4
52.5°	1970.3	1992.0	2003.4	1909.7	1801.2	1708.7	1633.3	1591.1	1564.8	1604.8	1792.1
55°	2154.2	2185.0	2159.9	2067.4	1930.3	1825.2	1732.7	1682.5	1666.5	1720.1	1974.9
57.5°	2312.9	2326.6	2308.4	2217.0	2076.5	1958.9	1860.6	1808.1	1789.8	1860.6	2141.6
60°	2382.6	2399.7	2424.9	2346.1	2214.7	2098.2	2013.7	1962.3	1931.4	2013.7	2275.3
62.5°	2394.0	2422.6	2484.3	2444.3	2340.4	2253.5	2177.0	2106.2	2082.2	2145.0	2363.2
65°	2349.5	2392.9	2487.7	2472.8	2414.6	2381.5	2317.5	2262.7	2217.0	2223.9	2358.6
67.5°	2249.0	2299.2	2410.0	2403.2	2410.0	2410.0	2354.1	2308.4	2249.0	2164.5	2185.0
70°	2006.8	2073.1	2201.0	2234.1	2292.4	2292.4	2243.3	2173.6	2105.1	1931.4	1826.4
72.5°	1608.2	1652.8	1849.2	2010.3	2084.5	2054.8	2006.8	1890.3	1739.6	1548.8	1406.0
75°	1088.5	1114.8	1355.8	1650.5	1785.2	1760.1	1681.3	1536.3	1380.9	1168.5	988.0
77.5°	606.5	640.8	821.2	1052.0	1233.6	1230.1	1219.9	1127.3	1004.0	828.1	734.4
80°	356.4	367.8	462.6	630.5	787.0	749.3	723.0	649.9	587.1	507.1	579.1
82.5°	218.2	206.7	262.7	383.8	464.9	448.9	404.3	376.9	347.2	325.5	384.9
85°	59.4	53.7	107.4	161.0	197.6	213.6	213.6	211.3	189.6	142.8	171.3
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°	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4
2.5°	929.7	930.9	927.5	935.5	926.3	921.8	908.0	908.0	896.6	887.5	877.2
5°	1038.3	1045.1	1039.4	1040.5	1022.3	1004.0	976.6	960.6	932.0	901.2	869.2
7.5°	1111.4	1122.8	1118.2	1098.8	1070.2	1031.4	985.7	942.3	895.5	845.2	798.4
10°	1130.8	1143.3	1133.1	1096.5	1049.7	994.9	940.0	881.8	824.7	771.0	720.7
12.5°	1103.4	1112.5	1090.8	1050.8	1005.1	950.3	893.2	842.9	775.5	718.4	660.2
15°	1033.7	1028.0	1025.7	997.1	965.2	920.6	866.9	815.5	752.7	694.5	632.8
17.5°	958.3	951.4	953.7	942.3	937.7	917.2	877.2	833.8	777.8	707.0	640.8
20°	892.1	885.2	888.6	894.3	911.5	912.6	905.8	877.2	836.1	761.8	680.7
22.5°	834.9	836.1	847.5	863.5	892.1	928.6	957.2	962.9	934.3	847.5	745.9
25°	817.8	812.1	824.7	850.9	898.9	969.7	1033.7	1065.7	1049.7	962.9	838.4
27.5°	812.1	804.1	817.8	852.1	928.6	1028.0	1119.3	1167.3	1173.0	1083.9	937.7
30°	812.1	808.7	822.4	866.9	948.0	1047.4	1149.0	1221.0	1243.8	1169.6	1024.5
32.5°	822.4	824.7	848.7	905.8	989.1	1090.8	1195.9	1273.5	1314.7	1258.7	1094.2
35°	845.2	849.8	884.1	950.3	1040.5	1143.3	1239.3	1318.1	1384.3	1354.6	1159.3
37.5°	894.3	901.2	943.5	1010.8	1093.1	1185.6	1279.3	1363.8	1459.7	1447.2	1227.9
40°	981.1	981.1	1023.4	1081.7	1149.0	1219.9	1312.4	1411.8	1529.4	1546.5	1312.4
42.5°	1090.8	1086.2	1113.6	1155.9	1202.7	1262.1	1345.5	1456.3	1594.5	1632.2	1376.3
45°	1241.6	1218.7	1233.6	1243.8	1266.7	1303.2	1377.5	1498.6	1647.0	1696.2	1424.3
47.5°	1418.6	1386.6	1374.1	1354.6	1346.6	1360.4	1424.3	1531.7	1697.3	1751.0	1502.0
50°	1613.9	1583.1	1550.0	1497.4	1451.7	1438.0	1476.9	1576.2	1751.0	1819.5	1587.6
52.5°	1817.2	1795.5	1752.1	1669.9	1583.1	1534.0	1552.2	1650.5	1836.6	1925.7	1689.3
55°	2003.4	2010.3	1957.7	1861.8	1737.3	1661.9	1683.6	1781.8	1992.0	2097.1	1859.5
57.5°	2203.3	2185.0	2143.9	2044.5	1908.6	1827.5	1836.6	1955.4	2165.6	2245.6	2028.5
60°	2335.8	2335.8	2291.2	2215.9	2086.8	2011.4	2025.1	2134.8	2304.9	2312.9	2103.9
62.5°	2421.5	2434.0	2398.6	2344.9	2219.3	2156.5	2203.3	2281.0	2373.5	2307.2	2066.2
65°	2380.3	2394.0	2390.6	2331.2	2242.1	2237.6	2322.1	2340.4	2332.4	2223.9	1936.0
67.5°	2194.2	2166.7	2165.6	2134.8	2116.5	2211.3	2318.7	2324.4	2189.6	2060.5	1730.4
70°	1840.1	1793.2	1775.0	1784.1	1867.5	2044.5	2197.6	2154.2	1939.4	1828.7	1473.4
72.5°	1418.6	1362.6	1351.2	1386.6	1515.7	1764.7	1973.7	1913.2	1594.5	1465.4	1141.1
75°	1006.3	982.3	983.4	1053.1	1192.5	1432.3	1675.6	1669.9	1181.0	1010.8	785.8
77.5°	732.1	736.7	757.3	784.7	904.6	1136.5	1364.9	1350.1	840.7	694.5	549.4
80°	604.2	611.1	611.1	596.2	627.1	750.4	927.5	990.3	563.1	467.2	383.8
82.5°	434.0	468.3	487.7	463.7	452.3	494.6	581.4	622.5	350.7	294.7	268.4
85°	206.7	236.4	243.3	237.6	273.0	311.8	332.4	340.4	191.9	137.1	175.9
87.5°	0.0	0.0	1.1	9.1	25.1	43.4	43.4	66.2	10.3	3.4	8.0
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):

	100°	105°	110°	115°	120°	125°	130°	135°	145°	155°	165°
0°	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4
2.5°	863.5	848.7	837.2	823.5	812.1	800.7	792.7	775.5	761.8	731.0	723.0
5°	842.9	811.0	789.3	768.7	742.4	724.2	704.7	680.7	654.5	609.9	596.2
7.5°	761.8	721.9	692.2	662.5	628.2	597.4	568.8	536.8	491.1	443.2	424.9
10°	673.9	631.6	590.5	555.1	514.0	479.7	454.6	431.7	395.2	358.6	334.7
12.5°	601.9	554.0	507.1	471.7	450.0	432.9	414.6	396.3	357.5	316.4	287.8
15°	568.8	512.8	471.7	442.0	422.6	402.1	380.4	359.8	314.1	266.1	231.9
17.5°	573.4	509.4	456.9	416.9	390.6	362.1	336.9	310.7	260.4	203.3	172.5
20°	598.5	512.8	440.9	394.1	356.4	319.8	287.8	254.7	193.0	148.5	126.8
22.5°	630.5	524.3	431.7	371.2	324.4	278.7	237.6	198.7	142.8	116.5	106.2
25°	685.3	550.5	429.5	350.7	293.5	238.7	196.5	155.3	115.4	102.8	97.1
27.5°	753.8	580.2	431.7	335.8	267.3	206.7	159.9	129.1	103.9	97.1	92.5
30°	822.4	611.1	421.5	313.0	236.4	177.0	137.1	117.6	102.8	94.8	86.8
32.5°	882.9	633.9	404.3	289.0	209.0	150.8	116.5	100.5	90.2	81.1	78.8
35°	926.3	644.2	384.9	274.1	190.7	134.8	102.8	90.2	80.0	70.8	66.2
37.5°	967.4	645.3	364.4	260.4	183.9	127.9	94.8	83.4	74.2	66.2	61.7
40°	1009.7	640.8	352.9	246.7	173.6	124.5	91.4	77.7	72.0	62.8	58.3
42.5°	1040.5	632.8	348.4	238.7	164.5	115.4	89.1	76.5	68.5	61.7	56.0
45°	1069.1	624.8	348.4	231.9	157.6	109.7	84.5	77.7	66.2	60.5	53.7
47.5°	1103.4	628.2	349.5	226.2	151.9	103.9	80.0	75.4	67.4	59.4	52.5
50°	1161.6	667.0	355.2	222.7	147.3	99.4	76.5	72.0	74.2	58.3	51.4
52.5°	1262.1	728.7	364.4	220.4	142.8	95.9	72.0	69.7	75.4	58.3	50.3
55°	1393.5	791.5	373.5	214.7	135.9	89.1	69.7	65.1	69.7	58.3	49.1
57.5°	1521.4	838.4	381.5	206.7	124.5	82.2	66.2	61.7	64.0	57.1	46.8
60°	1595.6	874.9	389.5	193.0	110.8	74.2	62.8	58.3	57.1	57.1	45.7
62.5°	1616.2	861.2	384.9	175.9	99.4	68.5	59.4	54.8	51.4	58.3	45.7
65°	1551.1	789.3	367.8	161.0	91.4	66.2	56.0	52.5	49.1	50.3	43.4
67.5°	1351.2	663.6	321.0	147.3	90.2	65.1	53.7	50.3	45.7	44.5	41.1
70°	1102.2	520.8	266.1	137.1	89.1	65.1	51.4	46.8	43.4	40.0	37.7
72.5°	847.5	389.5	223.9	132.5	90.2	64.0	48.0	42.3	38.8	36.6	34.3
75°	596.2	275.3	186.2	118.8	84.5	60.5	44.5	37.7	34.3	32.0	29.7
77.5°	431.7	187.3	138.2	95.9	72.0	52.5	38.8	32.0	28.6	27.4	25.1
80°	275.3	115.4	92.5	70.8	52.5	41.1	29.7	25.1	22.8	20.6	19.4
82.5°	158.8	67.4	56.0	48.0	34.3	27.4	21.7	19.4	14.8	13.7	12.6
85°	97.1	42.3	30.8	25.1	21.7	17.1	12.6	11.4	8.0	6.9	5.7
87.5°	21.7	9.1	8.0	5.7	6.9	5.7	3.4	2.3	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):

	175°	180°	185°	195°	205°	215°	225°	230°	232.5°	235°	237.5°
0°	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4
2.5°	710.4	693.3	694.5	691.0	681.9	667.0	662.5	654.5	655.6	660.2	655.6
5°	580.2	559.7	562.0	560.8	551.7	541.4	533.4	523.1	519.7	523.1	517.4
7.5°	411.2	397.5	402.1	412.3	411.2	405.5	398.6	387.2	384.9	386.1	375.8
10°	314.1	300.4	297.0	295.8	293.5	290.1	281.0	271.8	268.4	269.6	262.7
12.5°	262.7	251.3	237.6	225.0	213.6	209.0	197.6	191.9	190.7	190.7	187.3
15°	207.9	198.7	190.7	178.2	169.0	162.2	154.2	149.6	148.5	149.6	149.6
17.5°	155.3	150.8	147.3	146.2	141.6	137.1	132.5	130.2	129.1	129.1	130.2
20°	118.8	117.6	117.6	117.6	123.4	127.9	129.1	125.6	124.5	123.4	122.2
22.5°	102.8	101.7	102.8	109.7	106.2	102.8	102.8	102.8	102.8	102.8	103.9
25°	94.8	95.9	97.1	93.7	90.2	87.9	86.8	86.8	85.7	85.7	86.8
27.5°	90.2	89.1	87.9	85.7	83.4	80.0	78.8	77.7	77.7	77.7	77.7
30°	84.5	83.4	82.2	80.0	76.5	72.0	70.8	70.8	69.7	70.8	70.8
32.5°	77.7	76.5	75.4	73.1	69.7	67.4	66.2	64.0	64.0	64.0	65.1
35°	62.8	61.7	61.7	62.8	62.8	61.7	61.7	59.4	59.4	59.4	59.4
37.5°	58.3	57.1	57.1	56.0	57.1	58.3	57.1	56.0	56.0	54.8	54.8
40°	54.8	54.8	53.7	52.5	52.5	54.8	53.7	52.5	51.4	51.4	51.4
42.5°	52.5	51.4	51.4	50.3	50.3	50.3	49.1	48.0	46.8	46.8	46.8
45°	50.3	50.3	49.1	48.0	46.8	46.8	44.5	43.4	43.4	43.4	44.5
47.5°	49.1	48.0	48.0	46.8	45.7	43.4	42.3	41.1	41.1	41.1	41.1
50°	48.0	46.8	45.7	45.7	43.4	42.3	41.1	40.0	40.0	40.0	40.0
52.5°	46.8	45.7	44.5	43.4	42.3	41.1	40.0	38.8	38.8	38.8	38.8
55°	44.5	43.4	43.4	42.3	42.3	41.1	40.0	38.8	38.8	38.8	37.7
57.5°	43.4	42.3	41.1	41.1	41.1	40.0	38.8	37.7	37.7	37.7	37.7
60°	42.3	41.1	41.1	40.0	40.0	38.8	38.8	37.7	36.6	36.6	35.4
62.5°	41.1	40.0	40.0	38.8	40.0	38.8	37.7	36.6	35.4	35.4	34.3
65°	40.0	38.8	38.8	38.8	37.7	37.7	36.6	34.3	34.3	34.3	33.1
67.5°	37.7	36.6	36.6	37.7	36.6	35.4	35.4	33.1	33.1	32.0	32.0
70°	34.3	34.3	34.3	35.4	34.3	33.1	33.1	32.0	30.8	29.7	29.7
72.5°	32.0	30.8	32.0	32.0	32.0	30.8	32.0	29.7	28.6	27.4	27.4
75°	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	26.3	25.1	24.0
77.5°	21.7	22.8	22.8	22.8	22.8	24.0	22.8	22.8	22.8	21.7	20.6
80°	16.0	16.0	17.1	18.3	17.1	18.3	17.1	18.3	17.1	17.1	17.1
82.5°	9.1	9.1	10.3	11.4	11.4	12.6	10.3	11.4	11.4	12.6	11.4
85°	3.4	3.4	3.4	3.4	4.6	4.6	3.4	4.6	4.6	5.7	5.7
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°	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4
2.5°	664.8	664.8	651.1	653.3	655.6	660.2	657.9	656.8	655.6	662.5	665.9
5°	522.0	520.8	503.7	502.6	506.0	507.1	503.7	498.0	494.6	495.7	499.1
7.5°	379.2	375.8	359.8	357.5	356.4	357.5	354.1	348.4	343.8	344.9	348.4
10°	265.0	255.9	253.6	254.7	257.0	259.3	259.3	259.3	260.4	267.3	275.3
12.5°	191.9	188.5	190.7	193.0	197.6	201.0	204.5	205.6	206.7	215.9	222.7
15°	151.9	151.9	154.2	155.3	157.6	159.9	162.2	162.2	163.3	166.8	172.5
17.5°	131.4	131.4	131.4	131.4	131.4	130.2	129.1	126.8	125.6	124.5	125.6
20°	121.1	119.9	117.6	116.5	114.2	111.9	110.8	107.4	106.2	102.8	101.7
22.5°	103.9	102.8	102.8	102.8	102.8	101.7	100.5	99.4	97.1	93.7	91.4
25°	85.7	85.7	85.7	86.8	86.8	87.9	90.2	90.2	90.2	90.2	86.8
27.5°	77.7	77.7	77.7	77.7	78.8	78.8	80.0	80.0	80.0	81.1	82.2
30°	70.8	72.0	72.0	73.1	73.1	74.2	74.2	75.4	75.4	76.5	76.5
32.5°	65.1	65.1	66.2	67.4	67.4	67.4	69.7	69.7	68.5	69.7	69.7
35°	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	56.0	54.8	56.0
37.5°	53.7	52.5	52.5	51.4	50.3	50.3	50.3	51.4	50.3	51.4	51.4
40°	49.1	49.1	48.0	48.0	48.0	48.0	48.0	48.0	48.0	49.1	50.3
42.5°	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	46.8	46.8
45°	43.4	43.4	43.4	43.4	44.5	44.5	44.5	44.5	44.5	44.5	45.7
47.5°	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	43.4	44.5
50°	40.0	40.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	42.3	43.4
52.5°	38.8	38.8	38.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.1
55°	37.7	38.8	38.8	38.8	38.8	38.8	37.7	37.7	37.7	37.7	38.8
57.5°	36.6	36.6	37.7	37.7	37.7	36.6	36.6	35.4	35.4	35.4	37.7
60°	35.4	35.4	35.4	35.4	35.4	34.3	34.3	34.3	34.3	35.4	35.4
62.5°	34.3	34.3	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
65°	33.1	33.1	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
67.5°	30.8	30.8	30.8	29.7	29.7	29.7	29.7	30.8	29.7	29.7	29.7
70°	28.6	28.6	28.6	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
72.5°	26.3	26.3	26.3	26.3	25.1	25.1	25.1	25.1	25.1	25.1	25.1
75°	24.0	22.8	22.8	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
77.5°	20.6	19.4	19.4	19.4	18.3	18.3	18.3	18.3	18.3	18.3	18.3
80°	17.1	16.0	16.0	14.8	14.8	14.8	14.8	14.8	14.8	13.7	13.7
82.5°	12.6	11.4	11.4	11.4	11.4	10.3	10.3	10.3	10.3	9.1	8.0
85°	5.7	5.7	4.6	5.7	5.7	6.9	5.7	5.7	5.7	4.6	2.3
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°	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	0°
2.5°	663.6	675.0	676.2	669.3	683.0	685.3	681.9	681.9	684.2	693.3	693.3	2.5°
5°	494.6	509.4	508.3	499.1	517.4	523.1	519.7	520.8	525.4	535.7	541.4	5°
7.5°	349.5	362.1	360.9	359.8	371.2	375.8	378.1	381.5	395.2	396.3	403.2	7.5°
10°	283.3	294.7	298.1	306.1	309.5	316.4	321.0	326.7	338.1	343.8	351.8	10°
12.5°	229.6	243.3	246.7	255.9	260.4	268.4	273.0	284.4	291.3	298.1	308.4	12.5°
15°	177.0	188.5	191.9	198.7	203.3	212.4	217.0	223.9	237.6	244.4	258.1	15°
17.5°	130.2	137.1	139.3	143.9	147.3	150.8	159.9	171.3	179.3	190.7	197.6	17.5°
20°	101.7	103.9	105.1	106.2	108.5	110.8	115.4	123.4	127.9	137.1	143.9	20°
22.5°	91.4	92.5	92.5	93.7	93.7	94.8	97.1	99.4	101.7	105.1	108.5	22.5°
25°	84.5	85.7	85.7	86.8	86.8	87.9	89.1	90.2	92.5	93.7	94.8	25°
27.5°	81.1	81.1	81.1	81.1	82.2	82.2	83.4	85.7	85.7	87.9	89.1	27.5°
30°	77.7	77.7	77.7	78.8	80.0	82.2	84.5	87.9	89.1	91.4	92.5	30°
32.5°	72.0	69.7	72.0	70.8	68.5	68.5	69.7	72.0	72.0	73.1	74.2	32.5°
35°	56.0	56.0	57.1	58.3	58.3	59.4	60.5	61.7	62.8	65.1	66.2	35°
37.5°	52.5	53.7	53.7	54.8	56.0	56.0	57.1	59.4	60.5	61.7	62.8	37.5°
40°	50.3	51.4	52.5	53.7	53.7	54.8	56.0	57.1	58.3	60.5	61.7	40°
42.5°	48.0	50.3	50.3	51.4	52.5	53.7	54.8	56.0	58.3	59.4	60.5	42.5°
45°	46.8	48.0	49.1	50.3	51.4	52.5	53.7	56.0	57.1	59.4	60.5	45°
47.5°	45.7	46.8	48.0	49.1	50.3	51.4	52.5	54.8	57.1	59.4	61.7	47.5°
50°	43.4	45.7	46.8	48.0	49.1	50.3	52.5	54.8	57.1	60.5	66.2	50°
52.5°	42.3	44.5	44.5	46.8	48.0	50.3	52.5	54.8	58.3	62.8	68.5	52.5°
55°	40.0	42.3	42.3	44.5	46.8	49.1	50.3	53.7	57.1	61.7	62.8	55°
57.5°	37.7	40.0	41.1	42.3	44.5	46.8	48.0	51.4	56.0	57.1	56.0	57.5°
60°	36.6	37.7	38.8	40.0	42.3	43.4	46.8	53.7	58.3	53.7	48.0	60°
62.5°	34.3	36.6	37.7	38.8	41.1	42.3	44.5	49.1	50.3	44.5	43.4	62.5°
65°	33.1	35.4	35.4	37.7	38.8	38.8	40.0	40.0	40.0	40.0	40.0	65°
67.5°	30.8	33.1	33.1	34.3	35.4	35.4	36.6	36.6	36.6	36.6	36.6	67.5°
70°	28.6	29.7	30.8	32.0	32.0	32.0	33.1	33.1	33.1	34.3	34.3	70°
72.5°	26.3	27.4	27.4	28.6	28.6	29.7	29.7	30.8	30.8	30.8	32.0	72.5°
75°	21.7	22.8	24.0	25.1	25.1	26.3	26.3	26.3	26.3	27.4	27.4	75°
77.5°	18.3	18.3	20.6	20.6	21.7	21.7	22.8	22.8	22.8	22.8	22.8	77.5°
80°	13.7	13.7	14.8	16.0	17.1	17.1	17.1	17.1	17.1	17.1	17.1	80°
82.5°	8.0	8.0	9.1	9.1	10.3	10.3	11.4	10.3	10.3	9.1	9.1	82.5°
85°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	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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REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	335°	345°		355°
798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	798.4	0°	798.4
710.4	710.4	712.7	721.9	724.2	729.9	728.7	739.0	743.6	771.0	799.5	2.5°	826.9
562.0	566.5	573.4	584.8	591.7	604.2	601.9	622.5	625.9	676.2	725.3	5°	782.4
419.2	426.0	431.7	444.3	454.6	467.2	470.6	494.6	501.4	567.7	636.2	7.5°	715.0
363.2	368.9	376.9	384.9	395.2	400.9	410.0	421.5	429.5	478.6	557.4	10°	647.6
323.2	331.2	339.2	350.7	360.9	371.2	380.4	391.8	402.1	442.0	503.7	12.5°	607.6
274.1	283.3	292.4	305.0	319.8	330.1	340.4	352.9	365.5	414.6	486.6	15°	591.7
212.4	222.7	235.3	252.4	268.4	281.0	291.3	308.4	324.4	383.8	478.6	17.5°	607.6
156.5	165.6	177.0	191.9	203.3	225.0	236.4	257.0	276.4	350.7	467.2	20°	638.5
115.4	121.1	130.2	141.6	154.2	173.6	186.2	204.5	226.2	319.8	467.2	22.5°	691.0
97.1	99.4	102.8	109.7	117.6	131.4	143.9	162.2	183.9	292.4	479.7	25°	776.7
90.2	91.4	93.7	97.1	101.7	108.5	117.6	132.5	154.2	270.7	498.0	27.5°	868.1
94.8	94.8	94.8	95.9	98.2	101.7	106.2	115.4	129.1	238.7	510.6	30°	948.0
76.5	77.7	77.7	80.0	81.1	85.7	90.2	97.1	109.7	219.3	518.6	32.5°	1005.1
68.5	69.7	70.8	72.0	74.2	75.4	80.0	87.9	100.5	206.7	517.4	35°	1072.5
65.1	66.2	67.4	67.4	68.5	70.8	74.2	82.2	97.1	202.2	517.4	37.5°	1150.2
64.0	64.0	64.0	64.0	66.2	68.5	74.2	82.2	94.8	197.6	520.8	40°	1235.9
61.7	61.7	61.7	62.8	66.2	70.8	73.1	77.7	87.9	195.3	526.6	42.5°	1313.5
61.7	61.7	62.8	67.4	68.5	68.5	69.7	73.1	83.4	195.3	538.0	45°	1374.1
64.0	66.2	67.4	66.2	65.1	65.1	65.1	69.7	80.0	198.7	559.7	47.5°	1443.7
69.7	68.5	64.0	62.8	62.8	60.5	61.7	66.2	78.8	198.7	604.2	50°	1539.7
68.5	64.0	62.8	60.5	58.3	57.1	58.3	65.1	77.7	196.5	668.2	52.5°	1680.2
61.7	60.5	57.1	54.8	53.7	54.8	57.1	62.8	75.4	194.2	747.0	55°	1850.4
53.7	52.5	50.3	50.3	51.4	52.5	56.0	60.5	69.7	188.5	809.8	57.5°	2006.8
46.8	46.8	46.8	48.0	49.1	50.3	53.7	57.1	64.0	178.2	852.1	60°	2107.3
42.3	43.4	43.4	45.7	46.8	48.0	50.3	53.7	58.3	166.8	861.2	62.5°	2108.5
40.0	41.1	42.3	42.3	43.4	44.5	48.0	51.4	58.3	157.6	805.2	65°	2025.1
37.7	37.7	38.8	40.0	41.1	42.3	44.5	50.3	59.4	149.6	683.0	67.5°	1813.8
34.3	35.4	36.6	37.7	37.7	38.8	42.3	50.3	60.5	146.2	542.5	70°	1531.7
32.0	32.0	33.1	34.3	34.3	36.6	40.0	49.1	61.7	140.5	408.9	72.5°	1194.7
27.4	28.6	28.6	28.6	29.7	32.0	36.6	44.5	53.7	116.5	276.4	75°	809.8
24.0	22.8	24.0	24.0	25.1	26.3	29.7	34.3	40.0	74.2	146.2	77.5°	515.1
17.1	16.0	16.0	17.1	17.1	17.1	19.4	20.6	22.8	45.7	81.1	80°	303.8
9.1	8.0	9.1	8.0	8.0	9.1	9.1	11.4	11.4	21.7	36.6	82.5°	188.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	8.0	85°	76.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.5°	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

'228484

ISS-AF-600-LED-E1-SLL-7030

TION (continued):

359°	360°
798.4	798.4
840.7	847.5
811.0	820.1
747.0	759.6
687.6	700.2
655.6	662.5
640.8	654.5
662.5	676.2
705.9	727.6
782.4	809.8
903.5	927.5
999.4	1037.1
1088.5	1119.3
1159.3	1194.7
1240.4	1274.7
1338.7	1385.5
1440.3	1492.8
1535.1	1593.4
1624.2	1669.9
1692.7	1744.1
1779.5	1840.1
1926.9	1970.3
2105.1	2154.2
2270.7	2312.9
2347.2	2382.6
2349.5	2394.0
2299.2	2349.5
2171.3	2249.0
1920.0	2006.8
1508.8	1608.2
1001.7	1088.5
578.0	606.5
341.5	356.4
203.3	218.2
54.8	59.4
0.0	0.0
0.0	0.0

(END OF REPORT)