

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: P228475

Luminaire Tested: **ISS-AF-800-LED-E1-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228475
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-800-LED-E1-SLL
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4173.6 lumens
Efficiency: N/A
Efficacy: 95.9 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 - G2

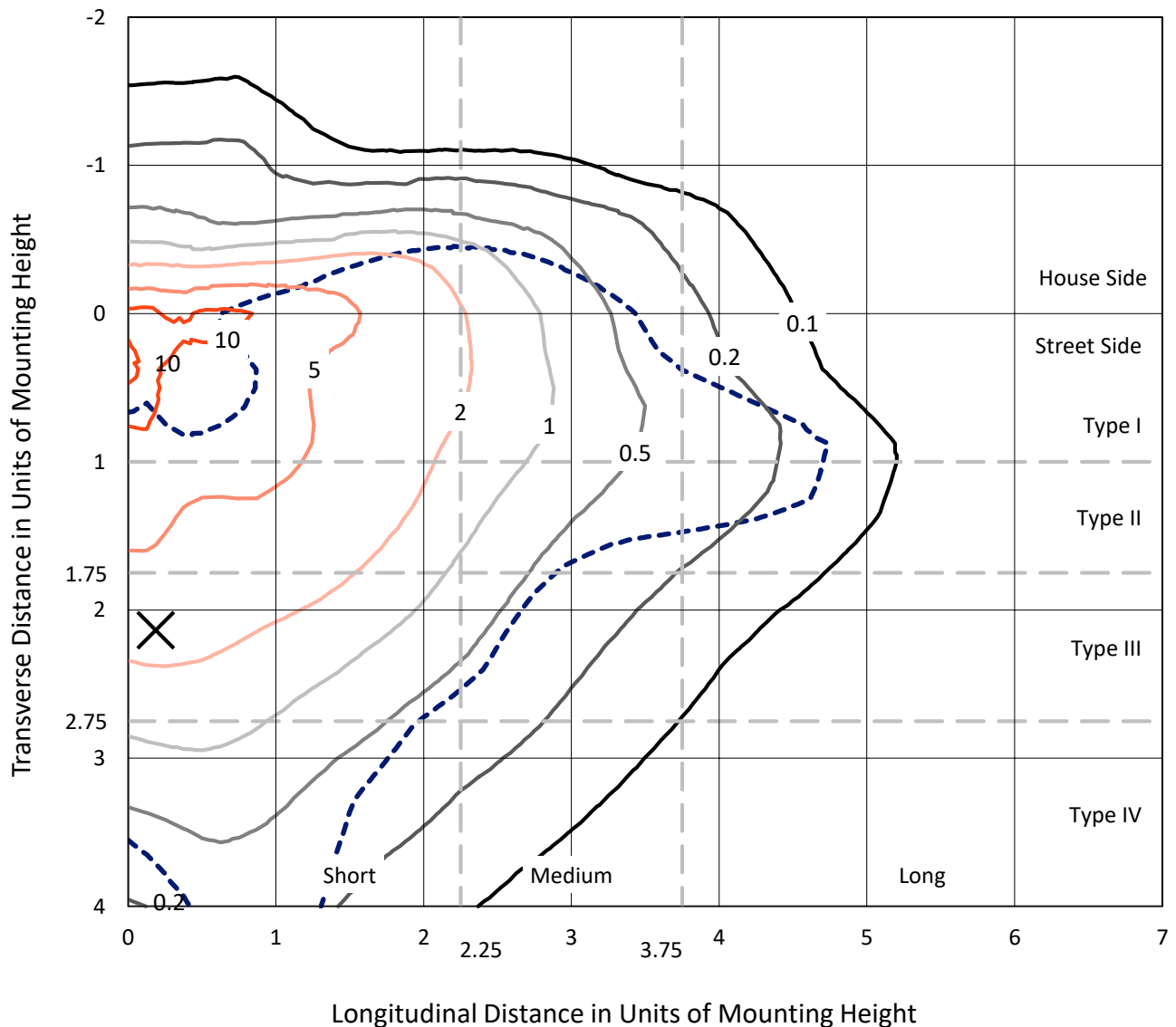
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

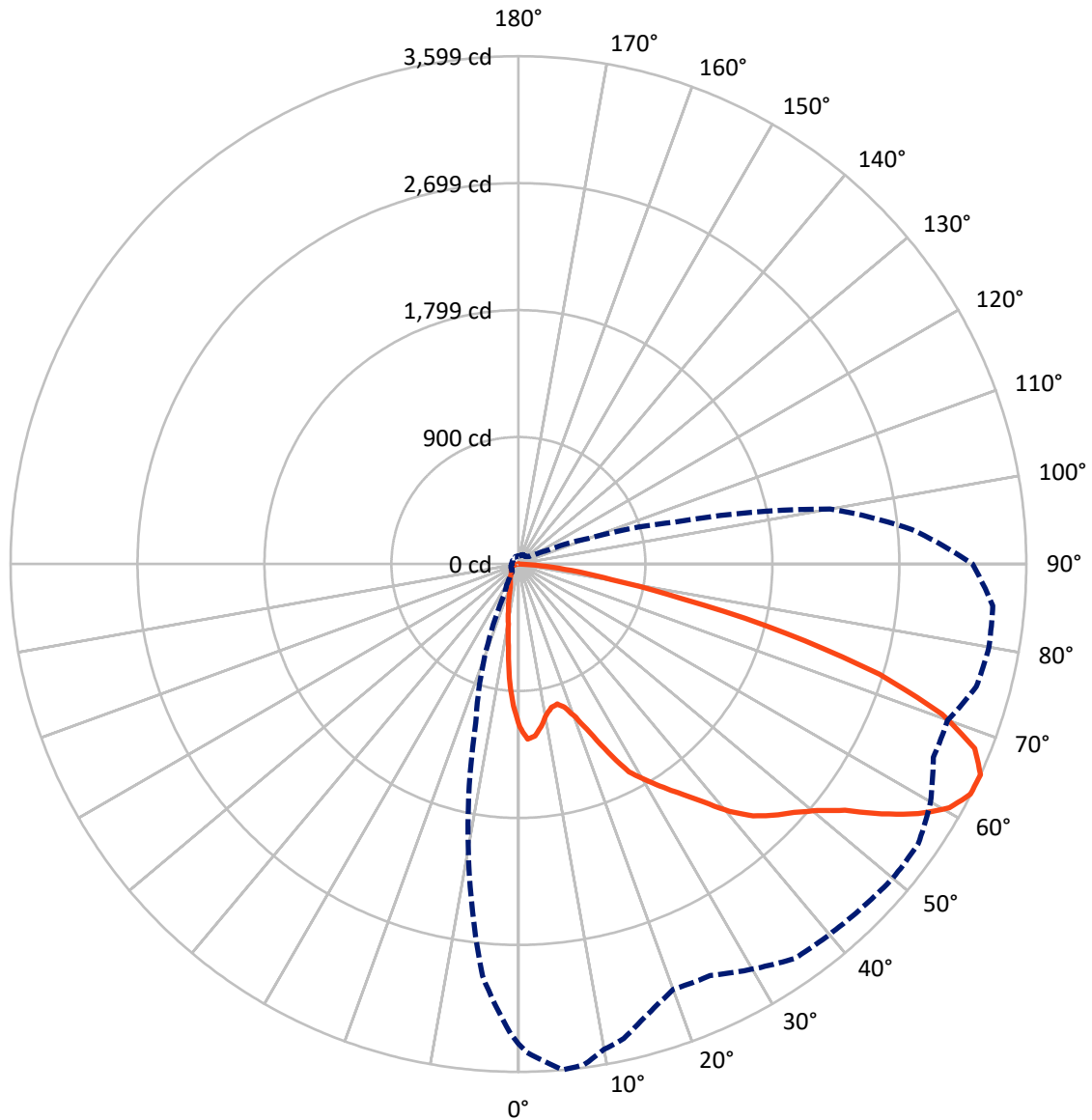
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.6 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	694.0	0.0	694.0
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	3479.7	0.0	3479.7
	% Fixture	83.4	0.0	83.4
Total	Lumens	4173.6	0.0	4173.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	2.1
10°-20°	182.8	4.4
20°-30°	265.7	6.4
30°-40°	392.9	9.4
40°-50°	572.5	13.7
50°-60°	858.2	20.6
60°-70°	1069.4	25.6
70°-80°	626.4	15.0
80°-90°	117.1	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°	4173.6	100.0
0°-180°	4173.6	100.0



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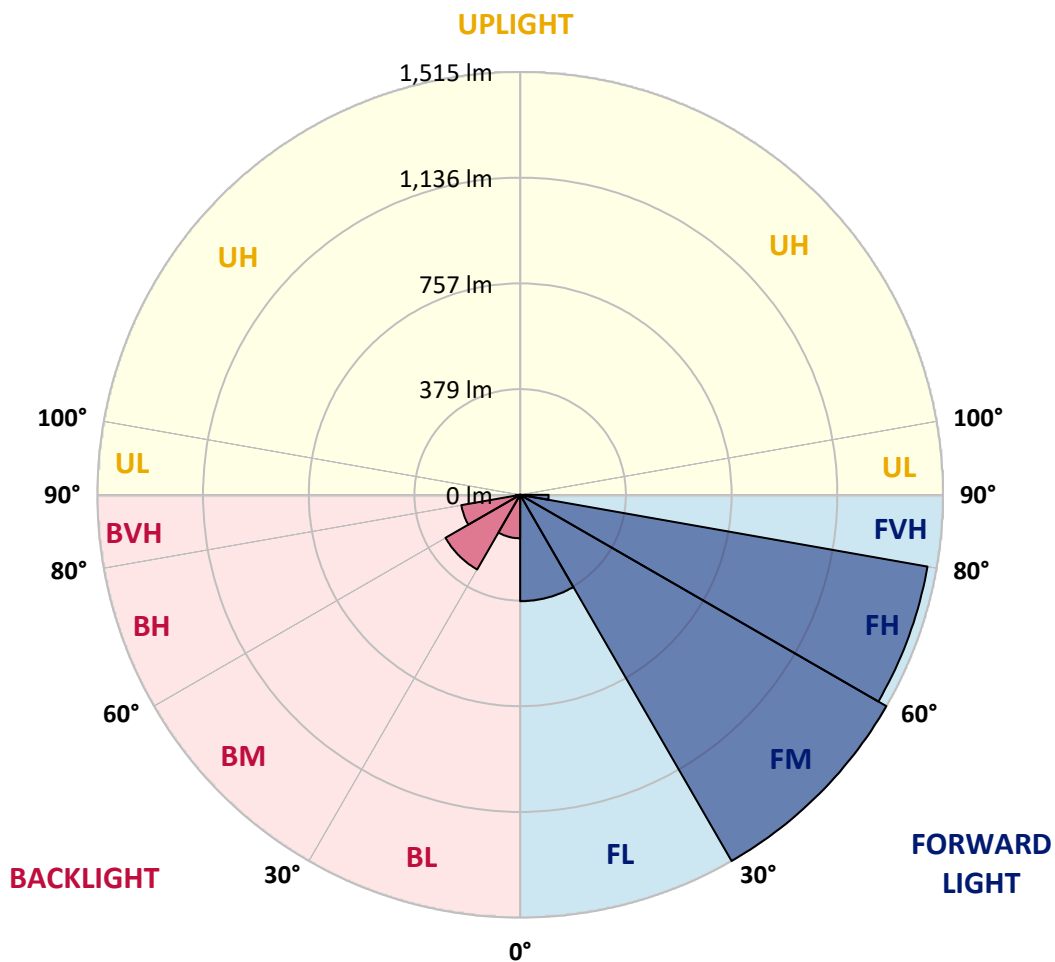
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	381.3	9.1			
FM	(30°-60°)	1514.7	36.3			
FH	(60°-80°)	1481.6	35.5			G1/1800
FVH	(80°-90°)	102.0	2.4			G2/225
BL	(0°-30°)	155.8	3.7	B1/500		
BM	(30°-60°)	308.9	7.4	B1/1000		
BH	(60°-80°)	214.2	5.1	B1/500		G1/500
BVH	(80°-90°)	15.1	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-G2

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°	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0
2.5°	1226.1	1222.7	1242.6	1245.9	1259.2	1259.2	1274.0	1287.2	1292.2	1303.8	1333.5
5°	1186.4	1196.3	1224.4	1252.5	1272.3	1292.2	1313.7	1340.1	1361.5	1397.9	1474.0
7.5°	1098.9	1113.7	1161.7	1189.7	1221.1	1255.8	1282.3	1313.7	1346.7	1407.8	1543.3
10°	1012.9	1024.5	1085.7	1120.3	1164.9	1201.3	1239.3	1274.0	1310.3	1386.3	1543.3
12.5°	958.4	973.2	1042.7	1075.7	1126.9	1164.9	1211.2	1252.5	1295.5	1376.4	1528.5
15°	946.8	963.3	1029.4	1070.7	1115.3	1151.7	1193.0	1235.9	1278.9	1358.3	1493.7
17.5°	978.2	998.0	1069.1	1115.3	1150.1	1191.3	1221.1	1262.4	1290.6	1353.3	1417.7
20°	1052.5	1075.7	1159.9	1204.6	1232.7	1259.2	1282.3	1307.0	1318.6	1333.5	1321.9
22.5°	1171.6	1199.6	1295.5	1346.7	1366.6	1386.3	1388.0	1391.3	1383.0	1343.3	1254.1
25°	1341.7	1369.8	1478.9	1528.5	1528.5	1528.5	1510.3	1497.1	1459.0	1384.7	1235.9
27.5°	1500.4	1536.7	1667.2	1698.6	1688.7	1673.9	1639.2	1606.1	1551.6	1427.6	1234.3
30°	1619.3	1655.6	1776.4	1801.1	1776.4	1739.9	1685.4	1637.5	1573.1	1449.1	1245.9
32.5°	1728.4	1771.3	1887.0	1890.3	1845.7	1804.4	1743.2	1688.7	1621.0	1488.8	1280.6
35°	1844.1	1887.0	2004.4	1981.1	1916.8	1860.5	1797.8	1749.9	1682.1	1540.1	1336.8
37.5°	2004.4	2042.3	2141.4	2086.9	2004.4	1931.6	1863.9	1801.1	1733.4	1609.4	1431.0
40°	2159.7	2214.2	2305.0	2217.5	2116.7	2019.2	1944.8	1878.8	1804.4	1703.6	1551.6
42.5°	2305.0	2356.3	2440.6	2328.2	2210.9	2113.4	2035.8	1964.7	1893.6	1811.0	1697.0
45°	2415.8	2468.7	2539.7	2420.7	2286.9	2186.0	2101.9	2039.0	1976.2	1920.1	1880.4
47.5°	2523.2	2576.1	2630.6	2501.7	2369.5	2267.1	2167.9	2110.0	2060.5	2030.8	2078.7
50°	2662.0	2698.3	2744.6	2605.8	2465.3	2348.0	2248.9	2204.3	2158.0	2167.9	2328.2
52.5°	2850.4	2881.8	2898.2	2762.8	2605.8	2472.0	2362.9	2301.7	2263.8	2321.6	2592.6
55°	3116.4	3161.0	3124.6	2990.8	2792.6	2640.5	2506.6	2433.9	2410.8	2488.4	2857.0
57.5°	3346.1	3365.9	3339.4	3207.3	3004.0	2833.8	2691.7	2615.7	2589.3	2691.7	3098.2
60°	3446.8	3471.7	3508.0	3393.9	3204.0	3035.4	2913.2	2838.8	2794.2	2913.2	3291.5
62.5°	3463.4	3504.7	3593.9	3536.0	3385.8	3260.1	3149.5	3047.0	3012.3	3103.1	3418.8
65°	3399.0	3461.8	3598.8	3577.4	3493.2	3445.2	3352.7	3273.3	3207.3	3217.2	3412.2
67.5°	3253.5	3326.2	3486.5	3476.6	3486.5	3486.5	3405.5	3339.4	3253.5	3131.3	3161.0
70°	2903.2	2999.1	3184.1	3232.0	3316.3	3316.3	3245.3	3144.4	3045.3	2794.2	2642.2
72.5°	2326.5	2390.9	2675.2	2908.1	3015.6	2972.6	2903.2	2734.7	2516.6	2240.7	2034.0
75°	1574.7	1612.7	1961.4	2387.7	2582.6	2546.3	2432.3	2222.5	1997.7	1690.4	1429.3
77.5°	877.4	927.0	1188.1	1521.8	1784.5	1779.6	1764.7	1630.9	1452.5	1198.0	1062.4
80°	515.6	532.0	669.2	912.1	1138.4	1083.9	1046.0	940.2	849.4	733.7	837.8
82.5°	315.6	299.1	380.0	555.2	672.5	649.4	584.9	545.3	502.4	471.0	556.9
85°	85.9	77.6	155.3	233.0	285.8	309.0	309.0	305.7	274.3	206.5	247.9
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°	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0
2.5°	1345.1	1346.7	1341.7	1353.3	1340.1	1333.5	1313.7	1313.7	1297.1	1283.9	1269.1
5°	1502.0	1511.9	1503.6	1505.3	1478.9	1452.5	1412.8	1389.7	1348.4	1303.8	1257.4
7.5°	1607.8	1624.2	1617.7	1589.6	1548.2	1492.1	1426.0	1363.2	1295.5	1222.7	1155.0
10°	1635.9	1654.0	1639.2	1586.3	1518.6	1439.2	1359.9	1275.6	1193.0	1115.3	1042.7
12.5°	1596.2	1609.4	1578.0	1520.2	1454.1	1374.7	1292.2	1219.5	1122.0	1039.3	955.0
15°	1495.3	1487.2	1483.8	1442.6	1396.2	1331.8	1254.1	1179.8	1088.9	1004.6	915.4
17.5°	1386.3	1376.4	1379.8	1363.2	1356.6	1326.9	1269.1	1206.3	1125.2	1022.8	927.0
20°	1290.6	1280.6	1285.5	1293.8	1318.6	1320.2	1310.3	1269.1	1209.5	1102.1	984.8
22.5°	1207.9	1209.5	1226.1	1249.2	1290.6	1343.3	1384.7	1393.0	1351.6	1226.1	1079.0
25°	1183.1	1174.9	1193.0	1231.0	1300.4	1402.9	1495.3	1541.7	1518.6	1393.0	1212.8
27.5°	1174.9	1163.3	1183.1	1232.7	1343.3	1487.2	1619.3	1688.7	1697.0	1568.1	1356.6
30°	1174.9	1169.8	1189.7	1254.1	1371.5	1515.2	1662.3	1766.4	1799.5	1692.1	1482.2
32.5°	1189.7	1193.0	1227.7	1310.3	1431.0	1578.0	1730.0	1842.4	1901.9	1821.0	1583.0
35°	1222.7	1229.4	1278.9	1374.7	1505.3	1654.0	1792.8	1906.9	2002.6	1959.8	1677.1
37.5°	1293.8	1303.8	1364.8	1462.3	1581.3	1715.2	1850.6	1973.0	2111.8	2093.6	1776.4
40°	1419.3	1419.3	1480.5	1564.8	1662.3	1764.7	1898.6	2042.3	2212.5	2237.3	1898.6
42.5°	1578.0	1571.5	1611.0	1672.2	1739.9	1825.9	1946.5	2106.8	2306.8	2361.3	1991.1
45°	1796.1	1763.1	1784.5	1799.5	1832.5	1885.4	1992.8	2167.9	2382.8	2453.8	2060.5
47.5°	2052.2	2006.0	1987.8	1959.8	1948.1	1968.0	2060.5	2215.8	2455.4	2533.1	2172.8
50°	2334.8	2290.2	2242.3	2166.3	2100.2	2080.4	2136.5	2280.3	2533.1	2632.3	2296.8
52.5°	2628.9	2597.6	2534.8	2415.8	2290.2	2219.2	2245.6	2387.7	2657.0	2785.9	2443.8
55°	2898.2	2908.1	2832.1	2693.3	2513.3	2404.2	2435.6	2577.7	2881.8	3033.8	2690.1
57.5°	3187.4	3161.0	3101.5	2957.8	2761.1	2643.8	2657.0	2828.9	3132.9	3248.6	2934.6
60°	3379.1	3379.1	3314.7	3205.6	3018.9	2909.8	2929.6	3088.3	3334.5	3346.1	3043.7
62.5°	3503.0	3521.2	3470.0	3392.3	3210.5	3119.7	3187.4	3299.8	3433.6	3337.8	2989.2
65°	3443.6	3463.4	3458.4	3372.5	3243.6	3237.0	3359.3	3385.8	3374.1	3217.2	2800.7
67.5°	3174.2	3134.5	3132.9	3088.3	3061.9	3199.0	3354.4	3362.5	3167.6	2980.9	2503.4
70°	2662.0	2594.2	2567.8	2581.0	2701.6	2957.8	3179.1	3116.4	2805.7	2645.5	2131.5
72.5°	2052.2	1971.3	1954.8	2006.0	2192.7	2552.9	2855.3	2767.7	2306.8	2120.0	1650.7
75°	1455.8	1421.1	1422.7	1523.5	1725.1	2072.1	2424.1	2415.8	1708.5	1462.3	1136.8
77.5°	1059.2	1065.8	1095.5	1135.2	1308.7	1644.1	1974.6	1953.1	1216.2	1004.6	794.8
80°	874.1	884.0	884.0	862.6	907.2	1085.7	1341.7	1432.6	814.6	675.9	555.2
82.5°	627.9	677.5	705.5	670.9	654.4	715.5	841.1	900.5	507.3	426.3	388.3
85°	299.1	342.1	352.0	343.7	395.0	451.1	480.9	492.4	277.6	198.2	254.5
87.5°	0.0	0.0	1.6	13.2	36.3	62.8	62.8	95.9	14.8	4.9	11.6
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°	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0
2.5°	1249.2	1227.7	1211.2	1191.3	1174.9	1158.3	1146.7	1122.0	1102.1	1057.5	1046.0
5°	1219.5	1173.2	1141.8	1112.0	1074.0	1047.6	1019.5	984.8	946.8	882.4	862.6
7.5°	1102.1	1044.3	1001.4	958.4	908.8	864.2	822.9	776.6	710.5	641.1	614.7
10°	974.9	913.8	854.3	803.0	743.6	694.0	657.7	624.6	571.7	518.8	484.2
12.5°	870.8	801.4	733.7	682.4	651.0	626.3	599.9	573.4	517.2	457.7	416.4
15°	822.9	741.9	682.4	639.4	611.4	581.6	550.2	520.5	454.4	385.0	335.4
17.5°	829.5	736.9	660.9	603.1	565.1	523.9	487.4	449.5	376.8	294.1	249.5
20°	865.8	741.9	637.8	570.1	515.6	462.7	416.4	368.5	279.3	214.8	183.4
22.5°	912.1	758.4	624.6	537.0	469.2	403.1	343.7	287.6	206.5	168.6	153.6
25°	991.4	796.5	621.3	507.3	424.6	345.3	284.2	224.7	166.8	148.7	140.5
27.5°	1090.6	839.4	624.6	485.8	386.7	299.1	231.3	186.7	150.4	140.5	133.8
30°	1189.7	884.0	609.7	452.8	342.1	256.1	198.2	170.2	148.7	137.2	125.6
32.5°	1277.3	917.1	584.9	418.1	302.4	218.1	168.6	145.4	130.5	117.3	114.1
35°	1340.1	931.9	556.9	396.6	276.0	195.0	148.7	130.5	115.7	102.4	95.9
37.5°	1399.6	933.5	527.1	376.8	266.1	185.1	137.2	120.6	107.4	95.9	89.2
40°	1460.7	927.0	510.6	356.9	251.1	180.1	132.2	112.3	104.1	90.8	84.3
42.5°	1505.3	915.4	504.0	345.3	237.9	166.8	128.9	110.7	99.1	89.2	80.9
45°	1546.6	903.9	504.0	335.4	228.0	158.7	122.2	112.3	95.9	87.6	77.6
47.5°	1596.2	908.8	505.6	327.1	219.7	150.4	115.7	109.0	97.5	85.9	76.0
50°	1680.5	964.9	513.9	322.2	213.2	143.7	110.7	104.1	107.4	84.3	74.4
52.5°	1825.9	1054.3	527.1	319.0	206.5	138.8	104.1	100.8	109.0	84.3	72.7
55°	2015.9	1145.1	540.3	310.7	196.6	128.9	100.8	94.2	100.8	84.3	71.1
57.5°	2201.0	1212.8	551.9	299.1	180.1	119.0	95.9	89.2	92.6	82.7	67.7
60°	2308.4	1265.7	563.4	279.3	160.3	107.4	90.8	84.3	82.7	82.7	66.1
62.5°	2338.2	1245.9	556.9	254.5	143.7	99.1	85.9	79.3	74.4	84.3	66.1
65°	2243.9	1141.8	532.0	233.0	132.2	95.9	80.9	76.0	71.1	72.7	62.8
67.5°	1954.8	960.0	464.3	213.2	130.5	94.2	77.6	72.7	66.1	64.4	59.5
70°	1594.6	753.5	385.0	198.2	128.9	94.2	74.4	67.7	62.8	57.8	54.5
72.5°	1226.1	563.4	323.9	191.7	130.5	92.6	69.4	61.2	56.2	52.9	49.6
75°	862.6	398.2	269.3	171.9	122.2	87.6	64.4	54.5	49.6	46.2	43.0
77.5°	624.6	271.0	200.0	138.8	104.1	76.0	56.2	46.2	41.3	39.7	36.3
80°	398.2	166.8	133.8	102.4	76.0	59.5	43.0	36.3	33.0	29.8	28.1
82.5°	229.7	97.5	80.9	69.4	49.6	39.7	31.4	28.1	21.5	19.8	18.2
85°	140.5	61.2	44.6	36.3	31.4	24.8	18.2	16.6	11.6	9.9	8.3
87.5°	31.4	13.2	11.6	8.3	9.9	8.3	4.9	3.3	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°	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0
2.5°	1027.8	1003.0	1004.6	999.7	986.4	964.9	958.4	946.8	948.5	955.0	948.5
5°	839.4	809.7	812.9	811.3	798.1	783.3	771.6	756.8	751.9	756.8	748.5
7.5°	594.8	575.0	581.6	596.5	594.8	586.6	576.6	560.2	556.9	558.5	543.6
10°	454.4	434.5	429.6	428.0	424.6	419.7	406.5	393.2	388.3	389.9	380.0
12.5°	380.0	363.6	343.7	325.5	309.0	302.4	285.8	277.6	276.0	276.0	271.0
15°	300.7	287.6	276.0	257.8	244.6	234.7	223.1	216.5	214.8	216.5	216.5
17.5°	224.7	218.1	213.2	211.5	204.9	198.2	191.7	188.3	186.7	186.7	188.3
20°	171.9	170.2	170.2	170.2	178.5	185.1	186.7	181.8	180.1	178.5	176.8
22.5°	148.7	147.1	148.7	158.7	153.6	148.7	148.7	148.7	148.7	148.7	150.4
25°	137.2	138.8	140.5	135.5	130.5	127.3	125.6	125.6	123.9	123.9	125.6
27.5°	130.5	128.9	127.3	123.9	120.6	115.7	114.1	112.3	112.3	112.3	112.3
30°	122.2	120.6	119.0	115.7	110.7	104.1	102.4	102.4	100.8	102.4	102.4
32.5°	112.3	110.7	109.0	105.8	100.8	97.5	95.9	92.6	92.6	92.6	94.2
35°	90.8	89.2	89.2	90.8	90.8	89.2	89.2	85.9	85.9	85.9	85.9
37.5°	84.3	82.7	82.7	80.9	82.7	84.3	82.7	80.9	80.9	79.3	79.3
40°	79.3	79.3	77.6	76.0	76.0	79.3	77.6	76.0	74.4	74.4	74.4
42.5°	76.0	74.4	74.4	72.7	72.7	72.7	71.1	69.4	67.7	67.7	67.7
45°	72.7	72.7	71.1	69.4	67.7	67.7	64.4	62.8	62.8	62.8	64.4
47.5°	71.1	69.4	69.4	67.7	66.1	62.8	61.2	59.5	59.5	59.5	59.5
50°	69.4	67.7	66.1	66.1	62.8	61.2	59.5	57.8	57.8	57.8	57.8
52.5°	67.7	66.1	64.4	62.8	61.2	59.5	57.8	56.2	56.2	56.2	56.2
55°	64.4	62.8	62.8	61.2	61.2	59.5	57.8	56.2	56.2	56.2	54.5
57.5°	62.8	61.2	59.5	59.5	59.5	57.8	56.2	54.5	54.5	54.5	54.5
60°	61.2	59.5	59.5	57.8	57.8	56.2	56.2	54.5	52.9	52.9	51.2
62.5°	59.5	57.8	57.8	56.2	57.8	56.2	54.5	52.9	51.2	51.2	49.6
65°	57.8	56.2	56.2	56.2	54.5	54.5	52.9	49.6	49.6	49.6	47.9
67.5°	54.5	52.9	52.9	54.5	52.9	51.2	51.2	47.9	47.9	46.2	46.2
70°	49.6	49.6	49.6	51.2	49.6	47.9	47.9	46.2	44.6	43.0	43.0
72.5°	46.2	44.6	46.2	46.2	46.2	44.6	46.2	43.0	41.3	39.7	39.7
75°	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	38.1	36.3	34.7
77.5°	31.4	33.0	33.0	33.0	33.0	34.7	33.0	33.0	33.0	31.4	29.8
80°	23.1	23.1	24.8	26.4	24.8	26.4	24.8	26.4	24.8	24.8	24.8
82.5°	13.2	13.2	14.8	16.6	16.6	18.2	14.8	16.6	16.6	18.2	16.6
85°	4.9	4.9	4.9	4.9	6.6	6.6	4.9	6.6	6.6	8.3	8.3
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):

	240°	242.5°	245°	247.5°	250°	252.5°	255°	257.5°	260°	265°	270°
0°	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0
2.5°	961.7	961.7	941.8	945.2	948.5	955.0	951.8	950.1	948.5	958.4	963.3
5°	755.1	753.5	728.6	727.0	732.0	733.7	728.6	720.5	715.5	717.1	722.1
7.5°	548.6	543.6	520.5	517.2	515.6	517.2	512.2	504.0	497.4	499.0	504.0
10°	383.4	370.1	366.8	368.5	371.7	375.1	375.1	375.1	376.8	386.7	398.2
12.5°	277.6	272.6	276.0	279.3	285.8	290.8	295.7	297.5	299.1	312.3	322.2
15°	219.7	219.7	223.1	224.7	228.0	231.3	234.7	234.7	236.3	241.2	249.5
17.5°	190.1	190.1	190.1	190.1	190.1	188.3	186.7	183.4	181.8	180.1	181.8
20°	175.1	173.5	170.2	168.6	165.2	161.9	160.3	155.3	153.6	148.7	147.1
22.5°	150.4	148.7	148.7	148.7	148.7	147.1	145.4	143.7	140.5	135.5	132.2
25°	123.9	123.9	123.9	125.6	125.6	127.3	130.5	130.5	130.5	130.5	125.6
27.5°	112.3	112.3	112.3	112.3	114.1	114.1	115.7	115.7	115.7	117.3	119.0
30°	102.4	104.1	104.1	105.8	105.8	107.4	107.4	109.0	109.0	110.7	110.7
32.5°	94.2	94.2	95.9	97.5	97.5	97.5	100.8	100.8	99.1	100.8	100.8
35°	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	80.9	79.3	80.9
37.5°	77.6	76.0	76.0	74.4	72.7	72.7	72.7	74.4	72.7	74.4	74.4
40°	71.1	71.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	71.1	72.7
42.5°	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	67.7	67.7
45°	62.8	62.8	62.8	62.8	64.4	64.4	64.4	64.4	64.4	64.4	66.1
47.5°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	62.8	64.4
50°	57.8	57.8	59.5	59.5	59.5	59.5	59.5	59.5	59.5	61.2	62.8
52.5°	56.2	56.2	56.2	57.8	57.8	57.8	57.8	57.8	57.8	57.8	59.5
55°	54.5	56.2	56.2	56.2	56.2	56.2	54.5	54.5	54.5	54.5	56.2
57.5°	52.9	52.9	54.5	54.5	54.5	52.9	52.9	51.2	51.2	51.2	54.5
60°	51.2	51.2	51.2	51.2	51.2	49.6	49.6	49.6	49.6	51.2	51.2
62.5°	49.6	49.6	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
65°	47.9	47.9	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
67.5°	44.6	44.6	44.6	43.0	43.0	43.0	43.0	44.6	43.0	43.0	43.0
70°	41.3	41.3	41.3	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
72.5°	38.1	38.1	38.1	38.1	36.3	36.3	36.3	36.3	36.3	36.3	36.3
75°	34.7	33.0	33.0	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
77.5°	29.8	28.1	28.1	28.1	26.4	26.4	26.4	26.4	26.4	26.4	26.4
80°	24.8	23.1	23.1	21.5	21.5	21.5	21.5	21.5	21.5	19.8	19.8
82.5°	18.2	16.6	16.6	16.6	16.6	14.8	14.8	14.8	14.8	13.2	11.6
85°	8.3	8.3	6.6	8.3	8.3	9.9	8.3	8.3	8.3	6.6	3.3
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°	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	0°
2.5°	960.0	976.5	978.2	968.3	988.2	991.4	986.4	986.4	989.8	1003.0	1003.0	2.5°
5°	715.5	736.9	735.3	722.1	748.5	756.8	751.9	753.5	760.1	775.0	783.3	5°
7.5°	505.6	523.9	522.1	520.5	537.0	543.6	547.0	551.9	571.7	573.4	583.3	7.5°
10°	409.8	426.3	431.3	442.8	447.7	457.7	464.3	472.6	489.1	497.4	508.9	10°
12.5°	332.2	352.0	356.9	370.1	376.8	388.3	395.0	411.4	421.4	431.3	446.1	12.5°
15°	256.1	272.6	277.6	287.6	294.1	307.3	313.9	323.9	343.7	353.6	373.5	15°
17.5°	188.3	198.2	201.6	208.2	213.2	218.1	231.3	247.9	259.4	276.0	285.8	17.5°
20°	147.1	150.4	152.0	153.6	157.0	160.3	166.8	178.5	185.1	198.2	208.2	20°
22.5°	132.2	133.8	133.8	135.5	135.5	137.2	140.5	143.7	147.1	152.0	157.0	22.5°
25°	122.2	123.9	123.9	125.6	125.6	127.3	128.9	130.5	133.8	135.5	137.2	25°
27.5°	117.3	117.3	117.3	117.3	119.0	119.0	120.6	123.9	123.9	127.3	128.9	27.5°
30°	112.3	112.3	112.3	114.1	115.7	119.0	122.2	127.3	128.9	132.2	133.8	30°
32.5°	104.1	100.8	104.1	102.4	99.1	99.1	100.8	104.1	104.1	105.8	107.4	32.5°
35°	80.9	80.9	82.7	84.3	84.3	85.9	87.6	89.2	90.8	94.2	95.9	35°
37.5°	76.0	77.6	77.6	79.3	80.9	80.9	82.7	85.9	87.6	89.2	90.8	37.5°
40°	72.7	74.4	76.0	77.6	77.6	79.3	80.9	82.7	84.3	87.6	89.2	40°
42.5°	69.4	72.7	72.7	74.4	76.0	77.6	79.3	80.9	84.3	85.9	87.6	42.5°
45°	67.7	69.4	71.1	72.7	74.4	76.0	77.6	80.9	82.7	85.9	87.6	45°
47.5°	66.1	67.7	69.4	71.1	72.7	74.4	76.0	79.3	82.7	85.9	89.2	47.5°
50°	62.8	66.1	67.7	69.4	71.1	72.7	76.0	79.3	82.7	87.6	95.9	50°
52.5°	61.2	64.4	64.4	67.7	69.4	72.7	76.0	79.3	84.3	90.8	99.1	52.5°
55°	57.8	61.2	61.2	64.4	67.7	71.1	72.7	77.6	82.7	89.2	90.8	55°
57.5°	54.5	57.8	59.5	61.2	64.4	67.7	69.4	74.4	80.9	82.7	80.9	57.5°
60°	52.9	54.5	56.2	57.8	61.2	62.8	67.7	77.6	84.3	77.6	69.4	60°
62.5°	49.6	52.9	54.5	56.2	59.5	61.2	64.4	71.1	72.7	64.4	62.8	62.5°
65°	47.9	51.2	51.2	54.5	56.2	56.2	57.8	57.8	57.8	57.8	57.8	65°
67.5°	44.6	47.9	47.9	49.6	51.2	51.2	52.9	52.9	52.9	52.9	52.9	67.5°
70°	41.3	43.0	44.6	46.2	46.2	46.2	47.9	47.9	47.9	49.6	49.6	70°
72.5°	38.1	39.7	39.7	41.3	41.3	43.0	43.0	44.6	44.6	44.6	46.2	72.5°
75°	31.4	33.0	34.7	36.3	36.3	38.1	38.1	38.1	38.1	39.7	39.7	75°
77.5°	26.4	26.4	29.8	29.8	31.4	31.4	33.0	33.0	33.0	33.0	33.0	77.5°
80°	19.8	19.8	21.5	23.1	24.8	24.8	24.8	24.8	24.8	24.8	24.8	80°
82.5°	11.6	11.6	13.2	13.2	14.8	14.8	16.6	14.8	14.8	13.2	13.2	82.5°
85°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	1.6	1.6	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°
1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	0°	1155.0
1027.8	1027.8	1031.0	1044.3	1047.6	1055.9	1054.3	1069.1	1075.7	1115.3	1156.7	2.5°	1196.3
812.9	819.6	829.5	846.0	855.9	874.1	870.8	900.5	905.5	978.2	1049.2	5°	1131.9
606.4	616.3	624.6	642.8	657.7	675.9	680.8	715.5	725.4	821.2	920.3	7.5°	1034.4
525.5	533.7	545.3	556.9	571.7	580.0	593.2	609.7	621.3	692.3	806.4	10°	936.9
467.6	479.2	490.7	507.3	522.1	537.0	550.2	566.7	581.6	639.4	728.6	12.5°	879.0
396.6	409.8	423.0	441.2	462.7	477.5	492.4	510.6	528.8	599.9	703.9	15°	855.9
307.3	322.2	340.4	365.2	388.3	406.5	421.4	446.1	469.2	555.2	692.3	17.5°	879.0
226.4	239.6	256.1	277.6	294.1	325.5	342.1	371.7	399.9	507.3	675.9	20°	923.7
166.8	175.1	188.3	204.9	223.1	251.1	269.3	295.7	327.1	462.7	675.9	22.5°	999.7
140.5	143.7	148.7	158.7	170.2	190.1	208.2	234.7	266.1	423.0	694.0	25°	1123.6
130.5	132.2	135.5	140.5	147.1	157.0	170.2	191.7	223.1	391.6	720.5	27.5°	1255.8
137.2	137.2	137.2	138.8	142.1	147.1	153.6	166.8	186.7	345.3	738.6	30°	1371.5
110.7	112.3	112.3	115.7	117.3	123.9	130.5	140.5	158.7	317.2	750.1	32.5°	1454.1
99.1	100.8	102.4	104.1	107.4	109.0	115.7	127.3	145.4	299.1	748.5	35°	1551.6
94.2	95.9	97.5	97.5	99.1	102.4	107.4	119.0	140.5	292.5	748.5	37.5°	1663.9
92.6	92.6	92.6	92.6	95.9	99.1	107.4	119.0	137.2	285.8	753.5	40°	1787.9
89.2	89.2	89.2	90.8	95.9	102.4	105.8	112.3	127.3	282.5	761.8	42.5°	1900.2
89.2	89.2	90.8	97.5	99.1	99.1	100.8	105.8	120.6	282.5	778.3	45°	1987.8
92.6	95.9	97.5	95.9	94.2	94.2	94.2	100.8	115.7	287.6	809.7	47.5°	2088.6
100.8	99.1	92.6	90.8	90.8	87.6	89.2	95.9	114.1	287.6	874.1	50°	2227.4
99.1	92.6	90.8	87.6	84.3	82.7	84.3	94.2	112.3	284.2	966.7	52.5°	2430.6
89.2	87.6	82.7	79.3	77.6	79.3	82.7	90.8	109.0	280.9	1080.6	55°	2676.9
77.6	76.0	72.7	72.7	74.4	76.0	80.9	87.6	100.8	272.6	1171.6	57.5°	2903.2
67.7	67.7	67.7	69.4	71.1	72.7	77.6	82.7	92.6	257.8	1232.7	60°	3048.6
61.2	62.8	62.8	66.1	67.7	69.4	72.7	77.6	84.3	241.2	1245.9	62.5°	3050.3
57.8	59.5	61.2	61.2	62.8	64.4	69.4	74.4	84.3	228.0	1164.9	65°	2929.6
54.5	54.5	56.2	57.8	59.5	61.2	64.4	72.7	85.9	216.5	988.2	67.5°	2624.0
49.6	51.2	52.9	54.5	54.5	56.2	61.2	72.7	87.6	211.5	784.9	70°	2215.8
46.2	46.2	47.9	49.6	49.6	52.9	57.8	71.1	89.2	203.3	591.6	72.5°	1728.4
39.7	41.3	41.3	41.3	43.0	46.2	52.9	64.4	77.6	168.6	399.9	75°	1171.6
34.7	33.0	34.7	34.7	36.3	38.1	43.0	49.6	57.8	107.4	211.5	77.5°	745.2
24.8	23.1	23.1	24.8	24.8	24.8	28.1	29.8	33.0	66.1	117.3	80°	439.6
13.2	11.6	13.2	11.6	11.6	13.2	13.2	16.6	16.6	31.4	52.9	82.5°	272.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	11.6	85°	110.7
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

'228475
ISS-AF-800-LED-E1-SLL

TION (continued):

359°	360°
1155.0	1155.0
1216.2	1226.1
1173.2	1186.4
1080.6	1098.9
994.7	1012.9
948.5	958.4
927.0	946.8
958.4	978.2
1021.2	1052.5
1131.9	1171.6
1307.0	1341.7
1445.8	1500.4
1574.7	1619.3
1677.1	1728.4
1794.5	1844.1
1936.5	2004.4
2083.6	2159.7
2220.8	2305.0
2349.7	2415.8
2448.8	2523.2
2574.4	2662.0
2787.5	2850.4
3045.3	3116.4
3284.9	3346.1
3395.6	3446.8
3399.0	3463.4
3326.2	3399.0
3141.2	3253.5
2777.6	2903.2
2182.8	2326.5
1449.1	1574.7
836.1	877.4
494.1	515.6
294.1	315.6
79.3	85.9
0.0	0.0
0.0	0.0

(END OF REPORT)