

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: P228500

Luminaire Tested: **ISS-AF-1000-LED-E1-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228500
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-1000-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: 4933.7 lumens
Efficiency: N/A
Efficacy: 90.4 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

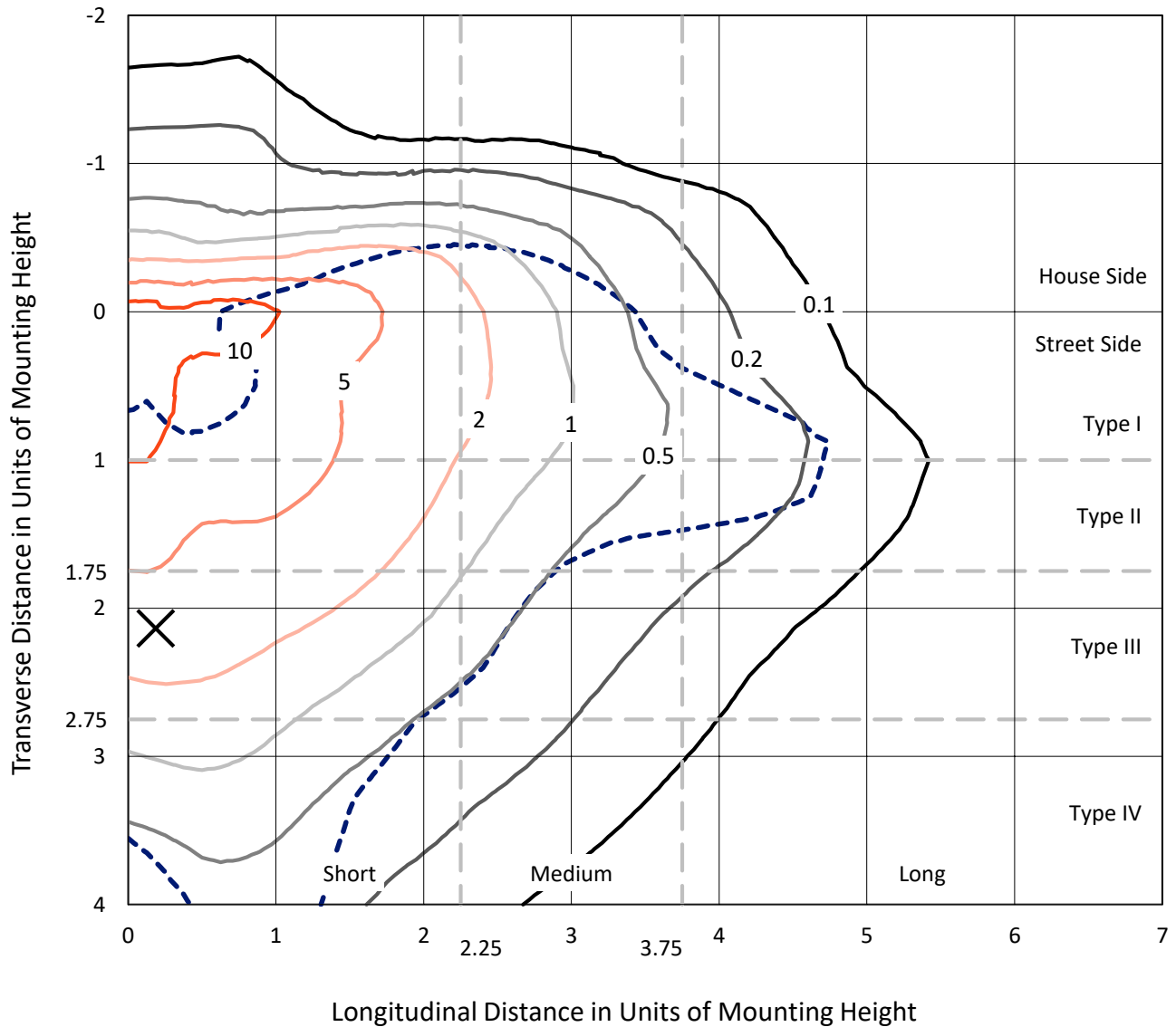
Input Watts (W): 54.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P228500
 CATALOG NUMBER: ISS-AF-1000-LED-E1-SLL

Iso-Footcandle Lines of Horizontal Illumination

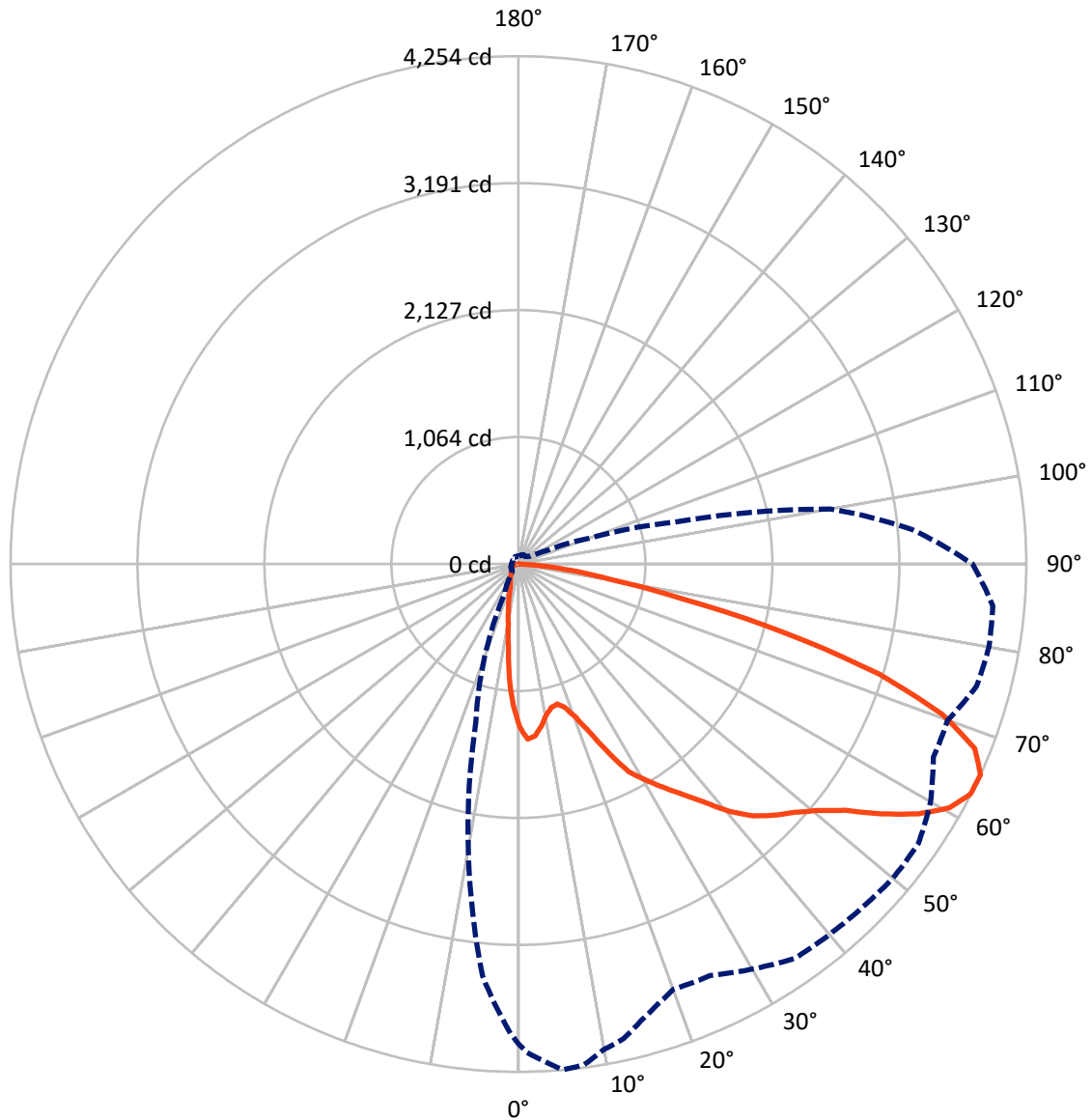
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.5 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P228500
CATALOG NUMBER: ISS-AF-1000-LED-E1-SLL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P228500

CATALOG NUMBER: ISS-AF-1000-LED-E1-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	820.4	0.0	820.4
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	4113.3	0.0	4113.3
	% Fixture	83.4	0.0	83.4
Total	Lumens	4933.7	0.0	4933.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.8	2.1
10°-20°	216.0	4.4
20°-30°	314.1	6.4
30°-40°	464.5	9.4
40°-50°	676.7	13.7
50°-60°	1014.5	20.6
60°-70°	1264.1	25.6
70°-80°	740.5	15.0
80°-90°	138.5	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°	4933.7	100.0
0°-180°	4933.7	100.0



REPORT NUMBER: P228500

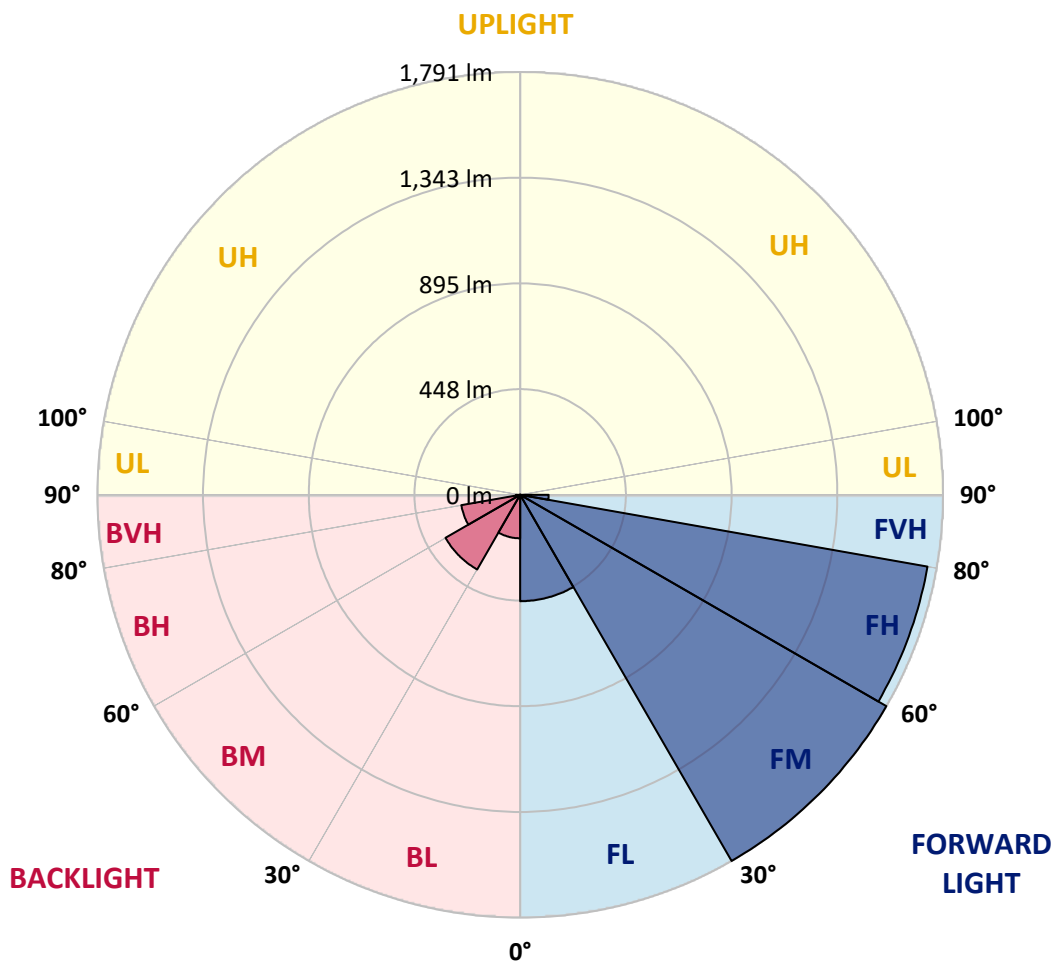
CATALOG NUMBER: ISS-AF-1000-LED-E1-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	450.7	9.1			
FM	(30°-60°)	1790.5	36.3			
FH	(60°-80°)	1751.5	35.5			G1/1800
FVH	(80°-90°)	120.6	2.4			G2/225
BL	(0°-30°)	184.2	3.7	B1/500		
BM	(30°-60°)	365.1	7.4	B1/1000		
BH	(60°-80°)	253.2	5.1	B1/500		G1/500
BVH	(80°-90°)	17.8	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





REPORT NUMBER: P228500

CATALOG NUMBER: ISS-AF-1000-LED-E1-SLL

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	7.5°	10°	12.5°	15°	17.5°	20°	25°	35°
0°	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3
2.5°	1449.3	1445.4	1468.9	1472.7	1488.4	1488.4	1506.0	1521.6	1527.5	1541.2	1576.3
5°	1402.5	1414.2	1447.4	1480.6	1504.0	1527.5	1552.8	1584.1	1609.5	1652.5	1742.3
7.5°	1298.9	1316.5	1373.2	1406.4	1443.5	1484.5	1515.7	1552.8	1591.9	1664.2	1824.3
10°	1197.4	1211.1	1283.3	1324.3	1377.1	1420.1	1465.0	1506.0	1549.0	1638.8	1824.3
12.5°	1132.9	1150.5	1232.6	1271.6	1332.2	1377.1	1431.7	1480.6	1531.4	1627.1	1806.8
15°	1119.2	1138.7	1216.9	1265.7	1318.5	1361.4	1410.2	1461.1	1511.8	1605.6	1765.8
17.5°	1156.3	1179.8	1263.8	1318.5	1359.5	1408.3	1443.5	1492.3	1525.5	1599.8	1675.9
20°	1244.2	1271.6	1371.2	1423.9	1457.2	1488.4	1515.7	1545.1	1558.8	1576.3	1562.7
22.5°	1384.9	1418.1	1531.4	1591.9	1615.3	1638.8	1640.7	1644.7	1634.9	1588.0	1482.6
25°	1586.1	1619.2	1748.2	1806.8	1806.8	1806.8	1785.3	1769.7	1724.8	1636.8	1461.1
27.5°	1773.6	1816.6	1970.8	2008.0	1996.3	1978.7	1937.7	1898.6	1834.2	1687.7	1459.1
30°	1914.2	1957.2	2099.8	2129.1	2099.8	2056.8	1992.4	1935.7	1859.5	1713.0	1472.7
32.5°	2043.1	2093.9	2230.6	2234.5	2181.9	2133.0	2060.7	1996.3	1916.2	1759.9	1513.8
35°	2179.9	2230.6	2369.4	2341.9	2265.8	2199.4	2125.2	2068.5	1988.4	1820.4	1580.3
37.5°	2369.4	2414.3	2531.5	2467.1	2369.4	2283.4	2203.3	2129.1	2049.0	1902.5	1691.6
40°	2553.0	2617.4	2724.8	2621.3	2502.1	2387.0	2299.0	2220.9	2133.0	2013.9	1834.2
42.5°	2724.8	2785.4	2885.0	2752.1	2613.5	2498.3	2406.5	2322.5	2238.4	2140.8	2006.0
45°	2855.7	2918.2	3002.2	2861.6	2703.4	2584.2	2484.5	2410.4	2336.1	2269.7	2222.9
47.5°	2982.7	3045.2	3109.7	2957.2	2801.0	2679.9	2562.7	2494.4	2435.7	2400.6	2457.2
50°	3146.7	3189.8	3244.4	3080.3	2914.3	2775.6	2658.4	2605.7	2551.0	2562.7	2752.1
52.5°	3369.4	3406.5	3426.1	3265.9	3080.3	2922.2	2793.2	2720.9	2676.0	2744.4	3064.7
55°	3683.9	3736.6	3693.7	3535.4	3301.1	3121.3	2963.2	2877.2	2849.8	2941.7	3377.3
57.5°	3955.4	3978.9	3947.6	3791.4	3551.1	3349.9	3181.9	3092.1	3060.8	3181.9	3662.4
60°	4074.5	4103.9	4146.8	4012.0	3787.4	3588.2	3443.7	3355.8	3303.0	3443.7	3891.0
62.5°	4094.1	4143.0	4248.4	4180.1	4002.3	3853.9	3722.9	3601.8	3560.9	3668.3	4041.4
65°	4017.9	4092.1	4254.2	4228.9	4129.2	4072.6	3963.2	3869.4	3791.4	3803.0	4033.5
67.5°	3846.0	3931.9	4121.5	4109.7	4121.5	4121.5	4025.7	3947.6	3846.0	3701.4	3736.6
70°	3431.9	3545.2	3763.9	3820.6	3920.3	3920.3	3836.3	3717.1	3599.9	3303.0	3123.3
72.5°	2750.2	2826.4	3162.4	3437.8	3564.8	3513.9	3431.9	3232.7	2974.8	2648.6	2404.4
75°	1861.5	1906.4	2318.5	2822.5	3053.0	3010.0	2875.2	2627.1	2361.5	1998.2	1689.6
77.5°	1037.2	1095.8	1404.4	1799.0	2109.5	2103.7	2086.1	1927.9	1716.9	1416.2	1256.0
80°	609.5	628.9	791.0	1078.2	1345.8	1281.3	1236.4	1111.4	1004.0	867.3	990.3
82.5°	373.1	353.5	449.3	656.3	795.0	767.6	691.4	644.6	593.8	556.7	658.3
85°	101.6	91.8	183.6	275.4	337.9	365.3	365.3	361.4	324.3	244.2	293.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P228500

CATALOG NUMBER: ISS-AF-1000-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
0°	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3
2.5°	1590.0	1591.9	1586.1	1599.8	1584.1	1576.3	1552.8	1552.8	1533.3	1517.8	1500.2
5°	1775.5	1787.3	1777.5	1779.4	1748.2	1716.9	1670.1	1642.8	1593.9	1541.2	1486.4
7.5°	1900.5	1920.1	1912.3	1879.1	1830.3	1763.8	1685.7	1611.5	1531.4	1445.4	1365.3
10°	1933.8	1955.3	1937.7	1875.2	1795.1	1701.3	1607.6	1507.9	1410.2	1318.5	1232.6
12.5°	1886.8	1902.5	1865.4	1797.0	1718.9	1625.2	1527.5	1441.5	1326.3	1228.7	1129.0
15°	1767.8	1757.9	1754.1	1705.3	1650.5	1574.3	1482.6	1394.7	1287.2	1187.6	1082.1
17.5°	1638.8	1627.1	1631.0	1611.5	1603.7	1568.5	1500.2	1425.9	1330.1	1209.1	1095.8
20°	1525.5	1513.8	1519.7	1529.4	1558.8	1560.7	1549.0	1500.2	1429.8	1302.8	1164.1
22.5°	1427.8	1429.8	1449.3	1476.7	1525.5	1588.0	1636.8	1646.6	1597.7	1449.3	1275.5
25°	1398.6	1388.8	1410.2	1455.1	1537.2	1658.3	1767.8	1822.4	1795.1	1646.6	1433.7
27.5°	1388.8	1375.2	1398.6	1457.2	1588.0	1757.9	1914.2	1996.3	2006.0	1853.7	1603.7
30°	1388.8	1382.9	1406.4	1482.6	1621.3	1791.2	1965.0	2088.0	2127.1	2000.2	1752.1
32.5°	1406.4	1410.2	1451.3	1549.0	1691.6	1865.4	2045.1	2178.0	2248.2	2152.5	1871.3
35°	1445.4	1453.2	1511.8	1625.2	1779.4	1955.3	2119.3	2254.1	2367.4	2316.6	1982.6
37.5°	1529.4	1541.2	1613.4	1728.7	1869.3	2027.5	2187.7	2332.2	2496.3	2474.8	2099.8
40°	1677.8	1677.8	1750.2	1849.8	1965.0	2086.1	2244.4	2414.3	2615.5	2644.7	2244.4
42.5°	1865.4	1857.6	1904.4	1976.8	2056.8	2158.4	2300.9	2490.5	2726.8	2791.2	2353.7
45°	2123.2	2084.2	2109.5	2127.1	2166.2	2228.7	2355.7	2562.7	2816.6	2900.7	2435.7
47.5°	2426.0	2371.3	2349.8	2316.6	2303.0	2326.4	2435.7	2619.4	2902.6	2994.4	2568.5
50°	2760.0	2707.2	2650.6	2560.8	2482.6	2459.2	2525.6	2695.6	2994.4	3111.6	2715.1
52.5°	3107.7	3070.6	2996.3	2855.7	2707.2	2623.3	2654.6	2822.5	3140.9	3293.3	2888.9
55°	3426.1	3437.8	3347.9	3183.8	2971.0	2842.1	2879.1	3047.2	3406.5	3586.3	3179.9
57.5°	3767.9	3736.6	3666.4	3496.3	3263.9	3125.2	3140.9	3344.0	3703.4	3840.2	3469.0
60°	3994.5	3994.5	3918.3	3789.4	3568.7	3439.8	3463.2	3650.7	3941.7	3955.4	3597.9
62.5°	4141.0	4162.5	4101.9	4010.1	3795.2	3687.8	3767.9	3900.7	4059.0	3945.6	3533.5
65°	4070.6	4094.1	4088.2	3986.6	3834.3	3826.4	3971.0	4002.3	3988.6	3803.0	3310.8
67.5°	3752.3	3705.4	3703.4	3650.7	3619.4	3781.5	3965.2	3975.0	3744.4	3523.8	2959.2
70°	3146.7	3066.7	3035.4	3051.1	3193.7	3496.3	3758.1	3683.9	3316.7	3127.3	2519.7
72.5°	2426.0	2330.3	2310.7	2371.3	2592.1	3017.8	3375.3	3271.8	2726.8	2506.0	1951.4
75°	1720.8	1679.8	1681.7	1800.9	2039.3	2449.5	2865.5	2855.7	2019.7	1728.7	1343.9
77.5°	1252.1	1259.9	1295.1	1341.9	1547.0	1943.5	2334.2	2308.8	1437.7	1187.6	939.6
80°	1033.3	1045.0	1045.0	1019.6	1072.4	1283.3	1586.1	1693.5	963.0	798.9	656.3
82.5°	742.3	800.9	834.0	793.0	773.5	845.8	994.2	1064.6	599.7	503.9	459.0
85°	353.5	404.4	416.0	406.3	466.9	533.3	568.5	582.1	328.2	234.4	300.8
87.5°	0.0	0.0	1.9	15.7	43.0	74.3	74.3	113.2	17.6	5.8	13.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P228500

CATALOG NUMBER: ISS-AF-1000-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	115°	120°	125°	130°	135°	145°	155°	165°
0°	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3
2.5°	1476.7	1451.3	1431.7	1408.3	1388.8	1369.2	1355.6	1326.3	1302.8	1250.1	1236.4
5°	1441.5	1386.8	1349.7	1314.6	1269.7	1238.4	1205.1	1164.1	1119.2	1043.1	1019.6
7.5°	1302.8	1234.5	1183.7	1132.9	1074.3	1021.5	972.7	918.0	839.9	757.9	726.6
10°	1152.5	1080.1	1009.9	949.3	879.0	820.4	777.4	738.4	675.9	613.4	572.3
12.5°	1029.4	947.4	867.3	806.7	769.6	740.3	709.0	677.8	611.4	541.0	492.2
15°	972.7	877.0	806.7	756.0	722.7	687.5	650.5	615.3	537.2	455.1	396.5
17.5°	980.6	871.1	781.3	713.0	668.0	619.2	576.2	531.3	445.4	347.7	294.9
20°	1023.6	877.0	754.0	673.9	609.5	546.9	492.2	435.6	330.1	253.9	216.9
22.5°	1078.2	896.5	738.4	634.8	554.7	476.6	406.3	339.8	244.2	199.3	181.7
25°	1172.0	941.5	734.5	599.7	502.0	408.3	335.9	265.7	197.3	175.8	166.0
27.5°	1289.1	992.3	738.4	574.3	457.1	353.5	273.4	220.8	177.8	166.0	158.3
30°	1406.4	1045.0	720.8	535.2	404.4	302.8	234.4	201.2	175.8	162.1	148.4
32.5°	1509.9	1084.1	691.4	494.2	357.4	257.8	199.3	171.9	154.3	138.7	134.8
35°	1584.1	1101.6	658.3	468.8	326.2	230.5	175.8	154.3	136.8	121.1	113.2
37.5°	1654.4	1103.6	623.1	445.4	314.5	218.8	162.1	142.6	126.9	113.2	105.5
40°	1726.7	1095.8	603.5	421.9	296.9	212.9	156.3	132.8	123.1	107.4	99.6
42.5°	1779.4	1082.1	595.8	408.3	281.3	197.3	152.3	130.8	117.2	105.5	95.7
45°	1828.3	1068.5	595.8	396.5	269.5	187.5	144.5	132.8	113.2	103.5	91.8
47.5°	1886.8	1074.3	597.7	386.8	259.8	177.8	136.8	128.9	115.3	101.6	89.8
50°	1986.5	1140.7	607.4	380.8	252.0	169.9	130.8	123.1	126.9	99.6	87.9
52.5°	2158.4	1246.2	623.1	377.0	244.2	164.1	123.1	119.2	128.9	99.6	85.9
55°	2383.0	1353.7	638.7	367.2	232.4	152.3	119.2	111.3	119.2	99.6	84.0
57.5°	2601.8	1433.7	652.4	353.5	212.9	140.7	113.2	105.5	109.4	97.7	80.1
60°	2728.7	1496.2	666.0	330.1	189.5	126.9	107.4	99.6	97.7	97.7	78.2
62.5°	2763.9	1472.7	658.3	300.8	169.9	117.2	101.6	93.8	87.9	99.6	78.2
65°	2652.6	1349.7	628.9	275.4	156.3	113.2	95.7	89.8	84.0	85.9	74.3
67.5°	2310.7	1134.9	548.9	252.0	154.3	111.3	91.8	85.9	78.2	76.2	70.3
70°	1884.9	890.7	455.1	234.4	152.3	111.3	87.9	80.1	74.3	68.3	64.4
72.5°	1449.3	666.0	382.9	226.6	154.3	109.4	82.0	72.3	66.4	62.5	58.6
75°	1019.6	470.8	318.3	203.2	144.5	103.5	76.2	64.4	58.6	54.7	50.7
77.5°	738.4	320.4	236.3	164.1	123.1	89.8	66.4	54.7	48.8	46.9	43.0
80°	470.8	197.3	158.3	121.1	89.8	70.3	50.7	43.0	39.1	35.2	33.2
82.5°	271.5	115.3	95.7	82.0	58.6	46.9	37.1	33.2	25.4	23.4	21.5
85°	166.0	72.3	52.8	43.0	37.1	29.3	21.5	19.5	13.7	11.8	9.7
87.5°	37.1	15.7	13.7	9.7	11.8	9.7	5.8	3.9	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



REPORT NUMBER: P228500

CATALOG NUMBER: ISS-AF-1000-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

	175°	180°	185°	195°	205°	215°	225°	230°	232.5°	235°	237.5°
0°	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3
2.5°	1215.0	1185.6	1187.6	1181.7	1166.1	1140.7	1132.9	1119.2	1121.2	1129.0	1121.2
5°	992.3	957.1	961.1	959.0	943.5	925.9	912.2	894.6	888.7	894.6	884.9
7.5°	703.2	679.8	687.5	705.1	703.2	693.5	681.7	662.2	658.3	660.2	642.6
10°	537.2	513.7	507.9	506.0	502.0	496.1	480.5	464.9	459.0	460.9	449.3
12.5°	449.3	429.7	406.3	384.8	365.3	357.4	337.9	328.2	326.2	326.2	320.4
15°	355.5	339.8	326.2	304.7	289.1	277.3	263.7	255.8	253.9	255.8	255.8
17.5°	265.7	257.8	252.0	250.0	242.2	234.4	226.6	222.7	220.8	220.8	222.7
20°	203.2	201.2	201.2	201.2	210.9	218.8	220.8	214.8	212.9	210.9	209.0
22.5°	175.8	173.8	175.8	187.5	181.7	175.8	175.8	175.8	175.8	175.8	177.8
25°	162.1	164.1	166.0	160.2	154.3	150.4	148.4	148.4	146.5	146.5	148.4
27.5°	154.3	152.3	150.4	146.5	142.6	136.8	134.8	132.8	132.8	132.8	132.8
30°	144.5	142.6	140.7	136.8	130.8	123.1	121.1	121.1	119.2	121.1	121.1
32.5°	132.8	130.8	128.9	125.0	119.2	115.3	113.2	109.4	109.4	109.4	111.3
35°	107.4	105.5	105.5	107.4	107.4	105.5	105.5	101.6	101.6	101.6	101.6
37.5°	99.6	97.7	97.7	95.7	97.7	99.6	97.7	95.7	95.7	93.8	93.8
40°	93.8	93.8	91.8	89.8	89.8	93.8	91.8	89.8	87.9	87.9	87.9
42.5°	89.8	87.9	87.9	85.9	85.9	85.9	84.0	82.0	80.1	80.1	80.1
45°	85.9	85.9	84.0	82.0	80.1	80.1	76.2	74.3	74.3	74.3	76.2
47.5°	84.0	82.0	82.0	80.1	78.2	74.3	72.3	70.3	70.3	70.3	70.3
50°	82.0	80.1	78.2	78.2	74.3	72.3	70.3	68.3	68.3	68.3	68.3
52.5°	80.1	78.2	76.2	74.3	72.3	70.3	68.3	66.4	66.4	66.4	66.4
55°	76.2	74.3	74.3	72.3	72.3	70.3	68.3	66.4	66.4	66.4	64.4
57.5°	74.3	72.3	70.3	70.3	70.3	68.3	66.4	64.4	64.4	64.4	64.4
60°	72.3	70.3	70.3	68.3	68.3	66.4	66.4	64.4	62.5	62.5	60.6
62.5°	70.3	68.3	68.3	66.4	68.3	66.4	64.4	62.5	60.6	60.6	58.6
65°	68.3	66.4	66.4	66.4	64.4	64.4	62.5	58.6	58.6	58.6	56.7
67.5°	64.4	62.5	62.5	64.4	62.5	60.6	60.6	56.7	56.7	54.7	54.7
70°	58.6	58.6	58.6	60.6	58.6	56.7	56.7	54.7	52.8	50.7	50.7
72.5°	54.7	52.8	54.7	54.7	54.7	52.8	54.7	50.7	48.8	46.9	46.9
75°	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	44.9	43.0	41.0
77.5°	37.1	39.1	39.1	39.1	39.1	41.0	39.1	39.1	39.1	37.1	35.2
80°	27.3	27.3	29.3	31.3	29.3	31.3	29.3	31.3	29.3	29.3	29.3
82.5°	15.7	15.7	17.6	19.5	19.5	21.5	17.6	19.5	19.5	21.5	19.5
85°	5.8	5.8	5.8	5.8	7.8	7.8	5.8	7.8	7.8	9.7	9.7
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



REPORT NUMBER: P228500

CATALOG NUMBER: ISS-AF-1000-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

	240°	242.5°	245°	247.5°	250°	252.5°	255°	257.5°	260°	265°	270°
0°	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3
2.5°	1136.8	1136.8	1113.4	1117.3	1121.2	1129.0	1125.1	1123.1	1121.2	1132.9	1138.7
5°	892.6	890.7	861.4	859.5	865.3	867.3	861.4	851.6	845.8	847.7	853.6
7.5°	648.4	642.6	615.3	611.4	609.5	611.4	605.5	595.8	587.9	589.9	595.8
10°	453.2	437.5	433.6	435.6	439.5	443.3	443.3	443.3	445.4	457.1	470.8
12.5°	328.2	322.3	326.2	330.1	337.9	343.8	349.6	351.6	353.5	369.2	380.8
15°	259.8	259.8	263.7	265.7	269.5	273.4	277.3	277.3	279.4	285.2	294.9
17.5°	224.6	224.6	224.6	224.6	224.6	222.7	220.8	216.9	214.8	212.9	214.8
20°	207.0	205.1	201.2	199.3	195.3	191.4	189.5	183.6	181.7	175.8	173.8
22.5°	177.8	175.8	175.8	175.8	175.8	173.8	171.9	169.9	166.0	160.2	156.3
25°	146.5	146.5	146.5	148.4	148.4	150.4	154.3	154.3	154.3	154.3	148.4
27.5°	132.8	132.8	132.8	132.8	134.8	134.8	136.8	136.8	136.8	138.7	140.7
30°	121.1	123.1	123.1	125.0	125.0	126.9	126.9	128.9	128.9	130.8	130.8
32.5°	111.3	111.3	113.2	115.3	115.3	115.3	119.2	119.2	117.2	119.2	119.2
35°	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	95.7	93.8	95.7
37.5°	91.8	89.8	89.8	87.9	85.9	85.9	85.9	87.9	85.9	87.9	87.9
40°	84.0	84.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	84.0	85.9
42.5°	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	80.1	80.1
45°	74.3	74.3	74.3	74.3	76.2	76.2	76.2	76.2	76.2	76.2	78.2
47.5°	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	74.3	76.2
50°	68.3	68.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	72.3	74.3
52.5°	66.4	66.4	66.4	68.3	68.3	68.3	68.3	68.3	68.3	68.3	70.3
55°	64.4	66.4	66.4	66.4	66.4	66.4	64.4	64.4	64.4	64.4	66.4
57.5°	62.5	62.5	64.4	64.4	64.4	62.5	62.5	60.6	60.6	60.6	64.4
60°	60.6	60.6	60.6	60.6	60.6	58.6	58.6	58.6	58.6	60.6	60.6
62.5°	58.6	58.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
65°	56.7	56.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
67.5°	52.8	52.8	52.8	50.7	50.7	50.7	50.7	52.8	50.7	50.7	50.7
70°	48.8	48.8	48.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
72.5°	44.9	44.9	44.9	44.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0
75°	41.0	39.1	39.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
77.5°	35.2	33.2	33.2	33.2	31.3	31.3	31.3	31.3	31.3	31.3	31.3
80°	29.3	27.3	27.3	25.4	25.4	25.4	25.4	25.4	25.4	23.4	23.4
82.5°	21.5	19.5	19.5	19.5	19.5	17.6	17.6	17.6	17.6	15.7	13.7
85°	9.7	9.7	7.8	9.7	9.7	11.8	9.7	9.7	9.7	7.8	3.9
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



REPORT NUMBER: P228500
 CATALOG NUMBER: ISS-AF-1000-LED-E1-SLL

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°	302.5°	
0°	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	0°
2.5°	1134.9	1154.4	1156.3	1144.6	1168.1	1172.0	1166.1	1166.1	1170.1	1185.6	1185.6	2.5°
5°	845.8	871.1	869.2	853.6	884.9	894.6	888.7	890.7	898.6	916.1	925.9	5°
7.5°	597.7	619.2	617.2	615.3	634.8	642.6	646.5	652.4	675.9	677.8	689.5	7.5°
10°	484.4	503.9	509.8	523.4	529.4	541.0	548.9	558.6	578.2	587.9	601.6	10°
12.5°	392.6	416.0	421.9	437.5	445.4	459.0	466.9	486.4	498.1	509.8	527.4	12.5°
15°	302.8	322.3	328.2	339.8	347.7	363.4	371.1	382.9	406.3	418.0	441.4	15°
17.5°	222.7	234.4	238.3	246.1	252.0	257.8	273.4	293.0	306.7	326.2	337.9	17.5°
20°	173.8	177.8	179.7	181.7	185.6	189.5	197.3	210.9	218.8	234.4	246.1	20°
22.5°	156.3	158.3	158.3	160.2	160.2	162.1	166.0	169.9	173.8	179.7	185.6	22.5°
25°	144.5	146.5	146.5	148.4	148.4	150.4	152.3	154.3	158.3	160.2	162.1	25°
27.5°	138.7	138.7	138.7	138.7	140.7	140.7	142.6	146.5	146.5	150.4	152.3	27.5°
30°	132.8	132.8	132.8	134.8	136.8	140.7	144.5	150.4	152.3	156.3	158.3	30°
32.5°	123.1	119.2	123.1	121.1	117.2	117.2	119.2	123.1	123.1	125.0	126.9	32.5°
35°	95.7	95.7	97.7	99.6	99.6	101.6	103.5	105.5	107.4	111.3	113.2	35°
37.5°	89.8	91.8	91.8	93.8	95.7	95.7	97.7	101.6	103.5	105.5	107.4	37.5°
40°	85.9	87.9	89.8	91.8	91.8	93.8	95.7	97.7	99.6	103.5	105.5	40°
42.5°	82.0	85.9	85.9	87.9	89.8	91.8	93.8	95.7	99.6	101.6	103.5	42.5°
45°	80.1	82.0	84.0	85.9	87.9	89.8	91.8	95.7	97.7	101.6	103.5	45°
47.5°	78.2	80.1	82.0	84.0	85.9	87.9	89.8	93.8	97.7	101.6	105.5	47.5°
50°	74.3	78.2	80.1	82.0	84.0	85.9	89.8	93.8	97.7	103.5	113.2	50°
52.5°	72.3	76.2	76.2	80.1	82.0	85.9	89.8	93.8	99.6	107.4	117.2	52.5°
55°	68.3	72.3	72.3	76.2	80.1	84.0	85.9	91.8	97.7	105.5	107.4	55°
57.5°	64.4	68.3	70.3	72.3	76.2	80.1	82.0	87.9	95.7	97.7	95.7	57.5°
60°	62.5	64.4	66.4	68.3	72.3	74.3	80.1	91.8	99.6	91.8	82.0	60°
62.5°	58.6	62.5	64.4	66.4	70.3	72.3	76.2	84.0	85.9	76.2	74.3	62.5°
65°	56.7	60.6	60.6	64.4	66.4	66.4	68.3	68.3	68.3	68.3	68.3	65°
67.5°	52.8	56.7	56.7	58.6	60.6	60.6	62.5	62.5	62.5	62.5	62.5	67.5°
70°	48.8	50.7	52.8	54.7	54.7	54.7	56.7	56.7	56.7	58.6	58.6	70°
72.5°	44.9	46.9	46.9	48.8	48.8	50.7	50.7	52.8	52.8	52.8	54.7	72.5°
75°	37.1	39.1	41.0	43.0	43.0	44.9	44.9	44.9	44.9	46.9	46.9	75°
77.5°	31.3	31.3	35.2	35.2	37.1	37.1	39.1	39.1	39.1	39.1	39.1	77.5°
80°	23.4	23.4	25.4	27.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	80°
82.5°	13.7	13.7	15.7	15.7	17.6	17.6	19.5	17.6	17.6	15.7	15.7	82.5°
85°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	1.9	1.9	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°



NUMBER: P228500
 NUMBER: ISS-AF-1000-LED-E1-SLL

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°
1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	1365.3	0°	1365.3
1215.0	1215.0	1218.8	1234.5	1238.4	1248.1	1246.2	1263.8	1271.6	1318.5	1367.3	2.5°	1414.2
961.1	968.8	980.6	1000.0	1011.8	1033.3	1029.4	1064.6	1070.4	1156.3	1240.3	5°	1338.0
716.9	728.5	738.4	759.8	777.4	798.9	804.8	845.8	857.5	970.8	1088.0	7.5°	1222.7
621.1	631.0	644.6	658.3	675.9	685.6	701.2	720.8	734.5	818.5	953.2	10°	1107.5
552.8	566.4	580.1	599.7	617.2	634.8	650.5	669.9	687.5	756.0	861.4	12.5°	1039.1
468.8	484.4	500.0	521.5	546.9	564.5	582.1	603.5	625.0	709.0	832.1	15°	1011.8
363.4	380.8	402.3	431.7	459.0	480.5	498.1	527.4	554.7	656.3	818.5	17.5°	1039.1
267.6	283.3	302.8	328.2	347.7	384.8	404.4	439.5	472.7	599.7	798.9	20°	1091.9
197.3	207.0	222.7	242.2	263.7	296.9	318.3	349.6	386.8	546.9	798.9	22.5°	1181.7
166.0	169.9	175.8	187.5	201.2	224.6	246.1	277.3	314.5	500.0	820.4	25°	1328.2
154.3	156.3	160.2	166.0	173.8	185.6	201.2	226.6	263.7	462.9	851.6	27.5°	1484.5
162.1	162.1	162.1	164.1	168.0	173.8	181.7	197.3	220.8	408.3	873.1	30°	1621.3
130.8	132.8	132.8	136.8	138.7	146.5	154.3	166.0	187.5	375.0	886.8	32.5°	1718.9
117.2	119.2	121.1	123.1	126.9	128.9	136.8	150.4	171.9	353.5	884.9	35°	1834.2
111.3	113.2	115.3	115.3	117.2	121.1	126.9	140.7	166.0	345.8	884.9	37.5°	1966.9
109.4	109.4	109.4	109.4	113.2	117.2	126.9	140.7	162.1	337.9	890.7	40°	2113.4
105.5	105.5	105.5	107.4	113.2	121.1	125.0	132.8	150.4	334.0	900.5	42.5°	2246.3
105.5	105.5	107.4	115.3	117.2	117.2	119.2	125.0	142.6	334.0	920.0	45°	2349.8
109.4	113.2	115.3	113.2	111.3	111.3	111.3	119.2	136.8	339.8	957.1	47.5°	2469.0
119.2	117.2	109.4	107.4	107.4	103.5	105.5	113.2	134.8	339.8	1033.3	50°	2633.1
117.2	109.4	107.4	103.5	99.6	97.7	99.6	111.3	132.8	335.9	1142.6	52.5°	2873.3
105.5	103.5	97.7	93.8	91.8	93.8	97.7	107.4	128.9	332.0	1277.5	55°	3164.3
91.8	89.8	85.9	85.9	87.9	89.8	95.7	103.5	119.2	322.3	1384.9	57.5°	3431.9
80.1	80.1	80.1	82.0	84.0	85.9	91.8	97.7	109.4	304.7	1457.2	60°	3603.9
72.3	74.3	74.3	78.2	80.1	82.0	85.9	91.8	99.6	285.2	1472.7	62.5°	3605.8
68.3	70.3	72.3	72.3	74.3	76.2	82.0	87.9	99.6	269.5	1377.1	65°	3463.2
64.4	64.4	66.4	68.3	70.3	72.3	76.2	85.9	101.6	255.8	1168.1	67.5°	3101.8
58.6	60.6	62.5	64.4	64.4	66.4	72.3	85.9	103.5	250.0	927.8	70°	2619.4
54.7	54.7	56.7	58.6	58.6	62.5	68.3	84.0	105.5	240.3	699.3	72.5°	2043.1
46.9	48.8	48.8	48.8	50.7	54.7	62.5	76.2	91.8	199.3	472.7	75°	1384.9
41.0	39.1	41.0	41.0	43.0	44.9	50.7	58.6	68.3	126.9	250.0	77.5°	881.0
29.3	27.3	27.3	29.3	29.3	29.3	33.2	35.2	39.1	78.2	138.7	80°	519.6
15.7	13.7	15.7	13.7	13.7	15.7	15.7	19.5	19.5	37.1	62.5	82.5°	322.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	13.7	85°	130.8
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



'228500
ISS-AF-1000-LED-E1-SLL

TION (continued):

359°	360°
1365.3	1365.3
1437.7	1449.3
1386.8	1402.5
1277.5	1298.9
1175.9	1197.4
1121.2	1132.9
1095.8	1119.2
1132.9	1156.3
1207.1	1244.2
1338.0	1384.9
1545.1	1586.1
1709.1	1773.6
1861.5	1914.2
1982.6	2043.1
2121.3	2179.9
2289.3	2369.4
2463.1	2553.0
2625.2	2724.8
2777.6	2855.7
2894.7	2982.7
3043.2	3146.7
3295.2	3369.4
3599.9	3683.9
3883.1	3955.4
4014.0	4074.5
4017.9	4094.1
3931.9	4017.9
3713.2	3846.0
3283.5	3431.9
2580.3	2750.2
1713.0	1861.5
988.4	1037.2
584.0	609.5
347.7	373.1
93.8	101.6
0.0	0.0
0.0	0.0

(END OF REPORT)