

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: P228479

Luminaire Tested: **ISS-AF-800-LED-E1-SLL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228479
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-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: 3612 lumens
Efficiency: N/A
Efficacy: 83.0 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

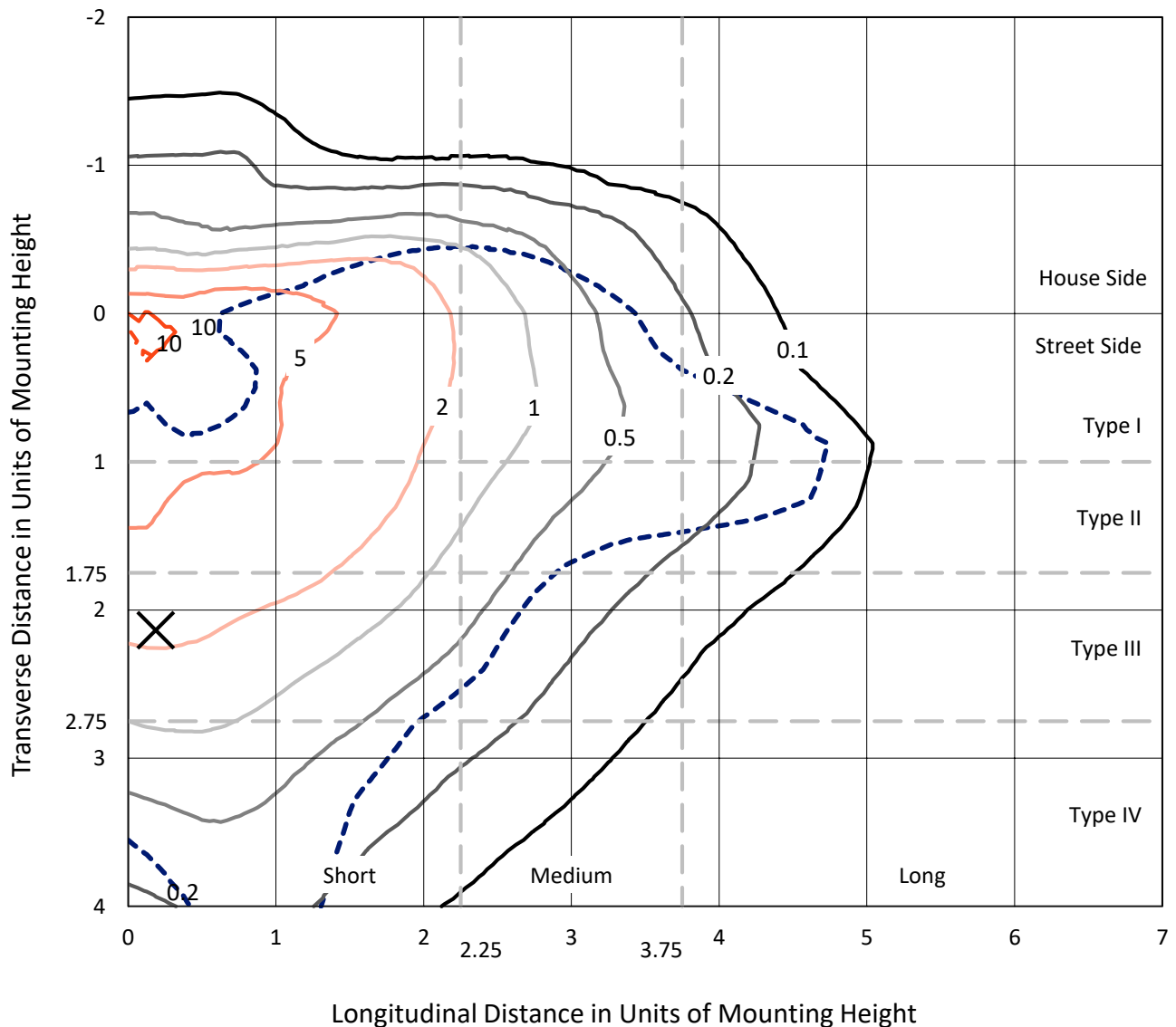
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

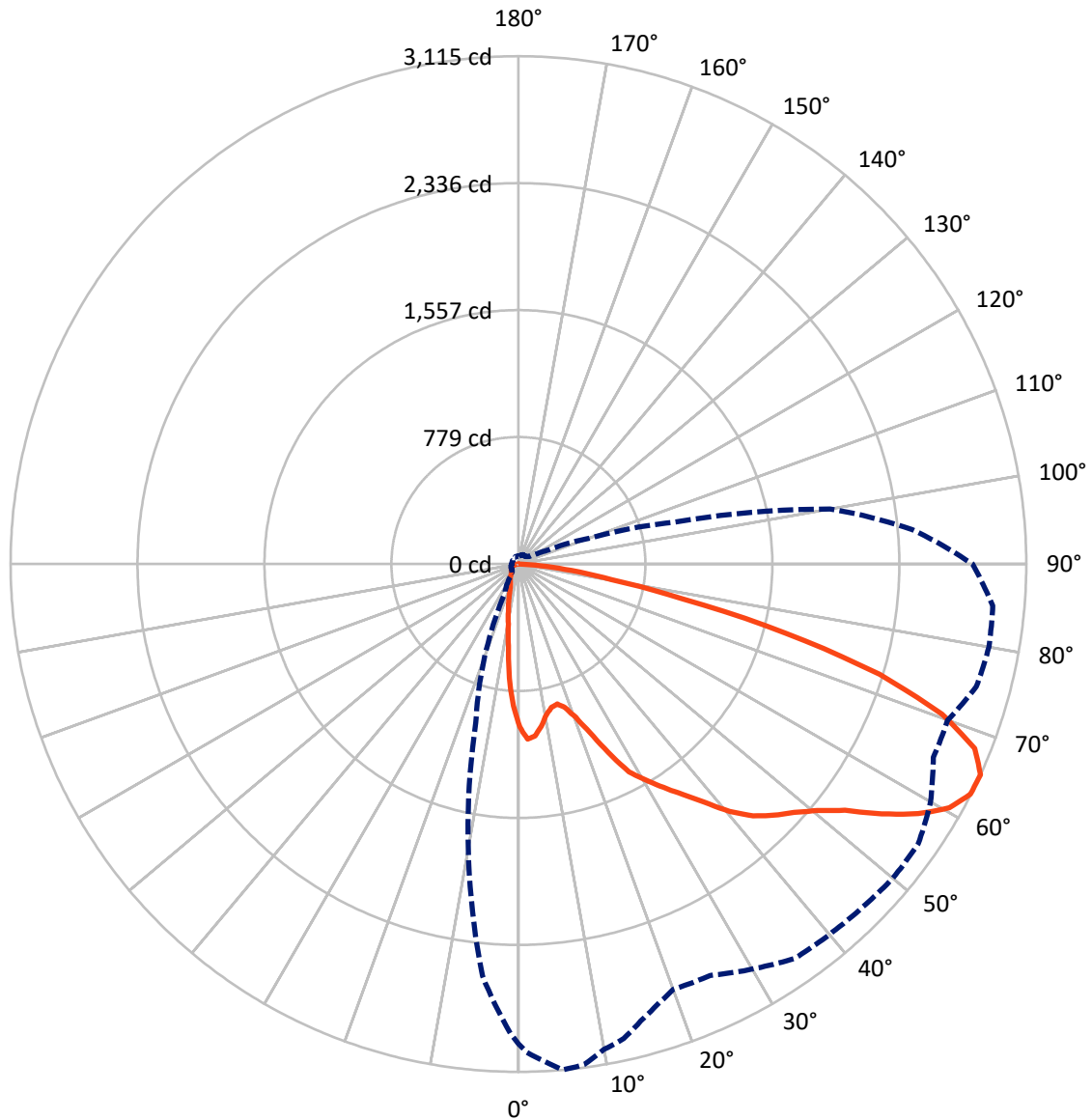
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.5 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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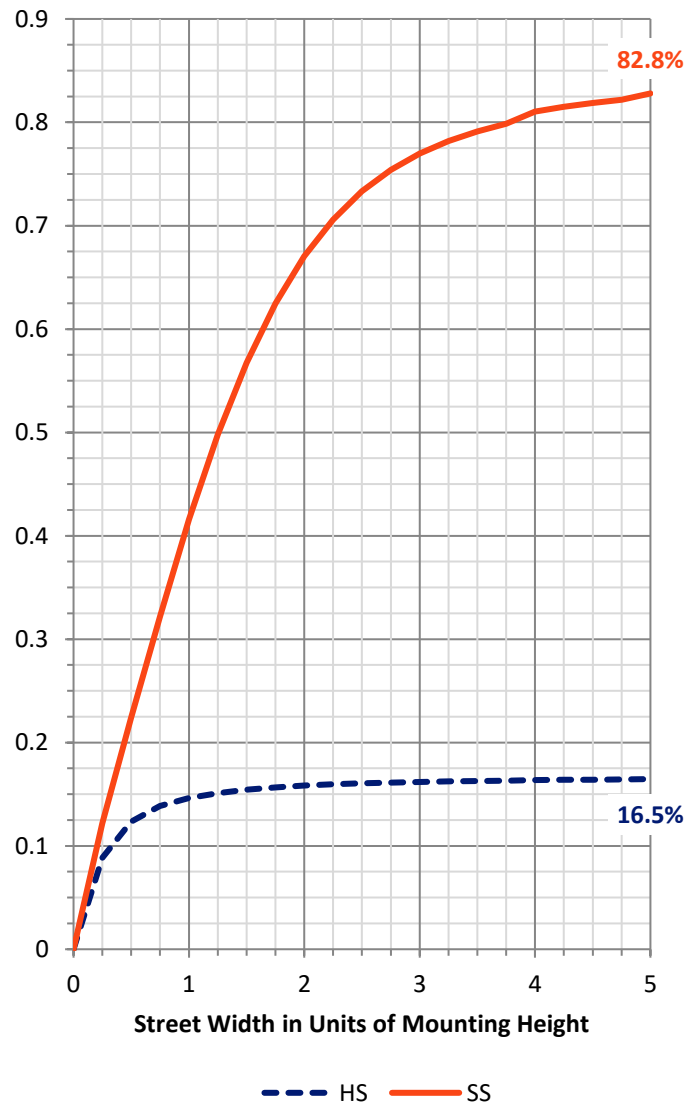
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	600.6	0.0	600.6
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	3011.4	0.0	3011.4
	% Fixture	83.4	0.0	83.4
Total	Lumens	3612.0	0.0	3612.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.7	2.1
10°-20°	158.2	4.4
20°-30°	229.9	6.4
30°-40°	340.0	9.4
40°-50°	495.4	13.7
50°-60°	742.7	20.6
60°-70°	925.5	25.6
70°-80°	542.1	15.0
80°-90°	101.4	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°	3612.0	100.0
0°-180°	3612.0	100.0



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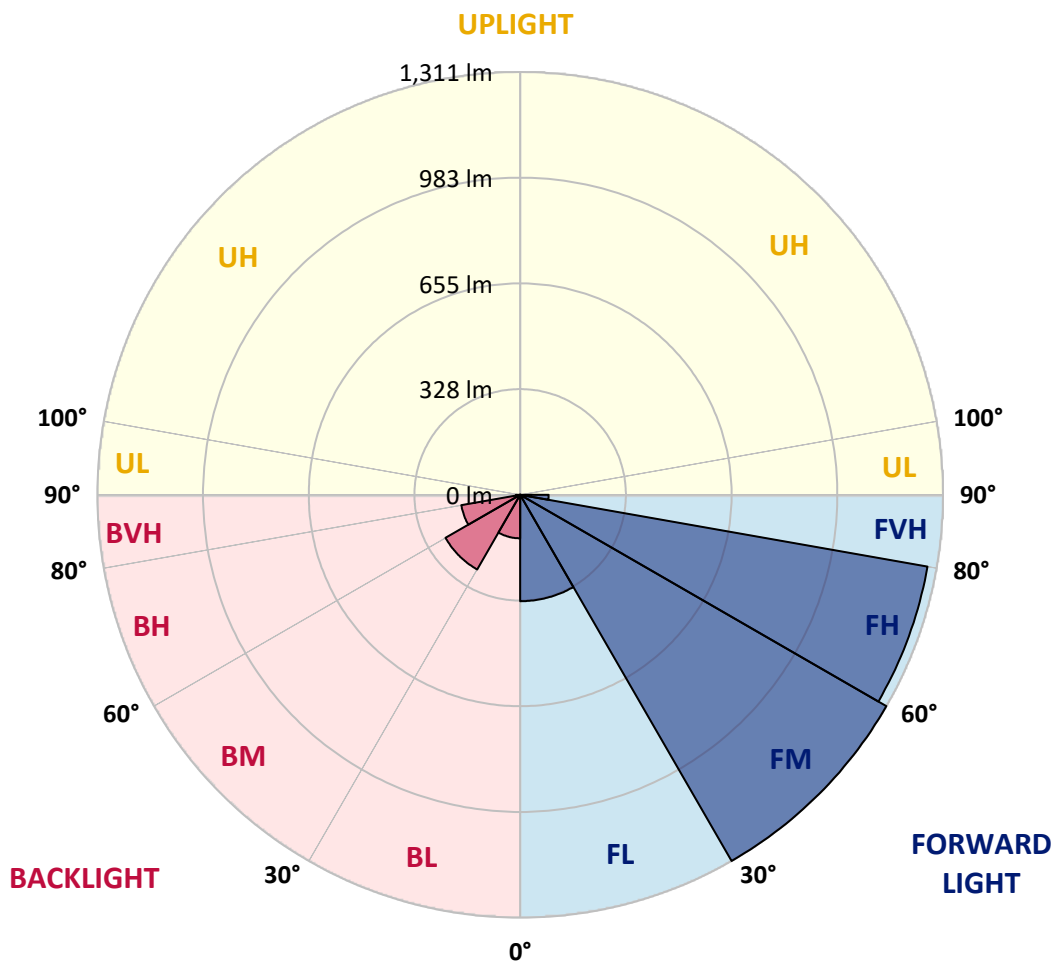
CATALOG NUMBER: ISS-AF-800-LED-E1-SLL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	330.0	9.1			
FM	(30°-60°)	1310.9	36.3			
FH	(60°-80°)	1282.3	35.5			G1/1800
FVH	(80°-90°)	88.3	2.4			G1/100
BL	(0°-30°)	134.9	3.7	B1/500		
BM	(30°-60°)	267.3	7.4	B1/1000		
BH	(60°-80°)	185.4	5.1	B1/500		G1/500
BVH	(80°-90°)	13.1	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-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°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6
2.5°	1061.1	1058.2	1075.4	1078.2	1089.7	1089.7	1102.5	1114.0	1118.3	1128.3	1154.0
5°	1026.8	1035.3	1059.6	1084.0	1101.1	1118.3	1136.9	1159.7	1178.3	1209.8	1275.6
7.5°	951.0	963.8	1005.3	1029.6	1056.8	1086.8	1109.7	1136.9	1165.5	1218.4	1335.6
10°	876.6	886.6	939.5	969.6	1008.2	1039.6	1072.5	1102.5	1134.0	1199.8	1335.6
12.5°	829.4	842.3	902.3	930.9	975.3	1008.2	1048.2	1084.0	1121.1	1191.2	1322.8
15°	819.4	833.7	890.9	926.7	965.3	996.7	1032.5	1069.7	1106.8	1175.5	1292.7
17.5°	846.6	863.7	925.2	965.3	995.3	1031.0	1056.8	1092.5	1116.8	1171.2	1227.0
20°	910.9	930.9	1003.9	1042.5	1066.8	1089.7	1109.7	1131.1	1141.2	1154.0	1144.0
22.5°	1013.9	1038.2	1121.1	1165.5	1182.6	1199.8	1201.2	1204.1	1196.9	1162.6	1085.4
25°	1161.2	1185.5	1279.9	1322.8	1322.8	1322.8	1307.0	1295.6	1262.7	1198.4	1069.7
27.5°	1298.5	1329.9	1442.9	1470.1	1461.5	1448.6	1418.6	1390.0	1342.8	1235.5	1068.2
30°	1401.4	1432.9	1537.3	1558.7	1537.3	1505.8	1458.6	1417.1	1361.4	1254.1	1078.2
32.5°	1495.8	1533.0	1633.1	1635.9	1597.3	1561.6	1508.7	1461.5	1402.8	1288.4	1108.3
35°	1595.9	1633.1	1734.6	1714.6	1658.8	1610.2	1555.9	1514.4	1455.8	1332.8	1156.9
37.5°	1734.6	1767.5	1853.3	1806.1	1734.6	1671.7	1613.1	1558.7	1500.1	1392.8	1238.4
40°	1869.0	1916.2	1994.9	1919.1	1831.9	1747.5	1683.1	1625.9	1561.6	1474.3	1342.8
42.5°	1994.9	2039.2	2112.1	2014.9	1913.4	1829.0	1761.8	1700.3	1638.8	1567.3	1468.6
45°	2090.7	2136.4	2197.9	2095.0	1979.1	1891.9	1819.0	1764.6	1710.3	1661.7	1627.4
47.5°	2183.6	2229.4	2276.6	2165.0	2050.6	1962.0	1876.2	1826.1	1783.2	1757.5	1799.0
50°	2303.8	2335.2	2375.3	2255.1	2133.6	2032.1	1946.3	1907.6	1867.6	1876.2	2014.9
52.5°	2466.8	2494.0	2508.3	2391.0	2255.1	2139.3	2044.9	1992.0	1959.1	2009.2	2243.7
55°	2697.0	2735.6	2704.2	2588.3	2416.7	2285.2	2169.3	2106.4	2086.4	2153.6	2472.5
57.5°	2895.8	2912.9	2890.1	2775.7	2599.8	2452.5	2329.5	2263.7	2240.8	2329.5	2681.3
60°	2983.0	3004.5	3035.9	2937.3	2772.8	2626.9	2521.1	2456.8	2418.2	2521.1	2848.6
62.5°	2997.3	3033.1	3110.3	3060.2	2930.1	2821.4	2725.6	2637.0	2606.9	2685.6	2958.7
65°	2941.5	2995.9	3114.6	3096.0	3023.1	2981.6	2901.5	2832.9	2775.7	2784.2	2953.0
67.5°	2815.7	2878.6	3017.3	3008.8	3017.3	3017.3	2947.3	2890.1	2815.7	2709.9	2735.6
70°	2512.5	2595.5	2755.6	2797.1	2870.0	2870.0	2808.6	2721.3	2635.5	2418.2	2286.6
72.5°	2013.5	2069.2	2315.2	2516.8	2609.8	2572.6	2512.5	2366.7	2177.9	1939.1	1760.4
75°	1362.8	1395.7	1697.4	2066.4	2235.1	2203.7	2105.0	1923.4	1728.9	1462.9	1237.0
77.5°	759.3	802.2	1028.2	1317.0	1544.4	1540.1	1527.3	1411.4	1257.0	1036.8	919.5
80°	446.2	460.5	579.2	789.4	985.3	938.1	905.2	813.7	735.0	634.9	725.0
82.5°	273.1	258.8	328.9	480.5	582.0	562.0	506.2	471.9	434.7	407.6	481.9
85°	74.4	67.2	134.4	201.6	247.4	267.4	267.4	264.6	237.4	178.8	214.5
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°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6
2.5°	1164.0	1165.5	1161.2	1171.2	1159.7	1154.0	1136.9	1136.9	1122.6	1111.1	1098.3
5°	1299.9	1308.5	1301.3	1302.7	1279.9	1257.0	1222.7	1202.6	1166.9	1128.3	1088.2
7.5°	1391.4	1405.7	1400.0	1375.7	1339.9	1291.3	1234.1	1179.8	1121.1	1058.2	999.6
10°	1415.7	1431.4	1418.6	1372.8	1314.2	1245.5	1176.9	1104.0	1032.5	965.3	902.3
12.5°	1381.4	1392.8	1365.7	1315.6	1258.4	1189.8	1118.3	1055.4	971.0	899.5	826.6
15°	1294.2	1287.0	1284.2	1248.4	1208.4	1152.6	1085.4	1021.0	942.4	869.5	792.2
17.5°	1199.8	1191.2	1194.1	1179.8	1174.0	1148.3	1098.3	1043.9	973.8	885.2	802.2
20°	1116.8	1108.3	1112.6	1119.7	1141.2	1142.6	1134.0	1098.3	1046.8	953.8	852.3
22.5°	1045.3	1046.8	1061.1	1081.1	1116.8	1162.6	1198.4	1205.5	1169.8	1061.1	933.8
25°	1023.9	1016.7	1032.5	1065.4	1125.4	1214.1	1294.2	1334.2	1314.2	1205.5	1049.6
27.5°	1016.7	1006.7	1023.9	1066.8	1162.6	1287.0	1401.4	1461.5	1468.6	1357.1	1174.0
30°	1016.7	1012.5	1029.6	1085.4	1186.9	1311.3	1438.6	1528.7	1557.3	1464.3	1282.7
32.5°	1029.6	1032.5	1062.5	1134.0	1238.4	1365.7	1497.2	1594.5	1646.0	1575.9	1370.0
35°	1058.2	1063.9	1106.8	1189.8	1302.7	1431.4	1551.6	1650.2	1733.2	1696.0	1451.5
37.5°	1119.7	1128.3	1181.2	1265.6	1368.5	1484.4	1601.6	1707.4	1827.6	1811.8	1537.3
40°	1228.4	1228.4	1281.3	1354.2	1438.6	1527.3	1643.1	1767.5	1914.8	1936.2	1643.1
42.5°	1365.7	1359.9	1394.3	1447.2	1505.8	1580.2	1684.6	1823.3	1996.3	2043.5	1723.2
45°	1554.4	1525.8	1544.4	1557.3	1585.9	1631.7	1724.6	1876.2	2062.1	2123.6	1783.2
47.5°	1776.1	1736.0	1720.3	1696.0	1686.0	1703.2	1783.2	1917.7	2125.0	2192.2	1880.5
50°	2020.6	1982.0	1940.5	1874.8	1817.6	1800.4	1849.0	1973.4	2192.2	2278.0	1987.7
52.5°	2275.2	2248.0	2193.6	2090.7	1982.0	1920.5	1943.4	2066.4	2299.5	2411.0	2115.0
55°	2508.3	2516.8	2451.1	2330.9	2175.1	2080.7	2107.8	2230.8	2494.0	2625.5	2328.1
57.5°	2758.5	2735.6	2684.1	2559.7	2389.6	2288.0	2299.5	2448.2	2711.3	2811.4	2539.7
60°	2924.4	2924.4	2868.6	2774.2	2612.6	2518.3	2535.4	2672.7	2885.8	2895.8	2634.1
62.5°	3031.6	3047.4	3003.0	2935.8	2778.5	2699.9	2758.5	2855.7	2971.6	2888.6	2586.9
65°	2980.2	2997.3	2993.0	2918.7	2807.1	2801.4	2907.2	2930.1	2920.1	2784.2	2423.9
67.5°	2747.1	2712.7	2711.3	2672.7	2649.8	2768.5	2902.9	2910.1	2741.3	2579.8	2166.5
70°	2303.8	2245.1	2222.2	2233.7	2338.1	2559.7	2751.4	2697.0	2428.2	2289.5	1844.7
72.5°	1776.1	1706.0	1691.7	1736.0	1897.6	2209.4	2471.1	2395.3	1996.3	1834.7	1428.6
75°	1259.8	1229.8	1231.2	1318.5	1492.9	1793.2	2097.8	2090.7	1478.6	1265.6	983.9
77.5°	916.6	922.4	948.1	982.4	1132.6	1422.9	1708.9	1690.3	1052.5	869.5	687.8
80°	756.5	765.1	765.1	746.5	785.1	939.5	1161.2	1239.8	705.0	584.9	480.5
82.5°	543.4	586.3	610.6	580.6	566.3	619.2	727.9	779.4	439.0	368.9	336.1
85°	258.8	296.0	304.6	297.4	341.8	390.4	416.1	426.1	240.2	171.6	220.2
87.5°	0.0	0.0	1.4	11.4	31.5	54.3	54.3	82.9	12.9	4.3	10.0
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°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6
2.5°	1081.1	1062.5	1048.2	1031.0	1016.7	1002.4	992.4	971.0	953.8	915.2	905.2
5°	1055.4	1015.3	988.1	962.4	929.5	906.6	882.3	852.3	819.4	763.6	746.5
7.5°	953.8	903.8	866.6	829.4	786.5	747.9	712.1	672.1	614.9	554.8	532.0
10°	843.7	790.8	739.3	695.0	643.5	600.6	569.1	540.5	494.8	449.0	419.0
12.5°	753.6	693.6	634.9	590.6	563.4	542.0	519.1	496.2	447.6	396.1	360.4
15°	712.1	642.1	590.6	553.4	529.1	503.4	476.2	450.5	393.3	333.2	290.3
17.5°	717.9	637.8	572.0	522.0	489.1	453.3	421.9	389.0	326.0	254.5	215.9
20°	749.3	642.1	552.0	493.4	446.2	400.4	360.4	318.9	241.7	185.9	158.7
22.5°	789.4	656.4	540.5	464.8	406.1	348.9	297.4	248.8	178.8	145.9	133.0
25°	858.0	689.3	537.7	439.0	367.5	298.9	246.0	194.5	144.4	128.7	121.6
27.5°	943.8	726.4	540.5	420.4	334.6	258.8	200.2	161.6	130.1	121.6	115.8
30°	1029.6	765.1	527.7	391.8	296.0	221.7	171.6	147.3	128.7	118.7	108.7
32.5°	1105.4	793.7	506.2	361.8	261.7	188.8	145.9	125.8	113.0	101.5	98.7
35°	1159.7	806.5	481.9	343.2	238.8	168.7	128.7	113.0	100.1	88.7	82.9
37.5°	1211.2	808.0	456.2	326.0	230.2	160.2	118.7	104.4	93.0	82.9	77.2
40°	1264.1	802.2	441.9	308.9	217.4	155.9	114.4	97.2	90.1	78.7	72.9
42.5°	1302.7	792.2	436.2	298.9	205.9	144.4	111.5	95.8	85.8	77.2	70.1
45°	1338.5	782.2	436.2	290.3	197.3	137.3	105.8	97.2	82.9	75.8	67.2
47.5°	1381.4	786.5	437.6	283.1	190.2	130.1	100.1	94.4	84.4	74.4	65.8
50°	1454.3	835.1	444.7	278.9	184.5	124.4	95.8	90.1	93.0	72.9	64.4
52.5°	1580.2	912.4	456.2	276.0	178.8	120.1	90.1	87.2	94.4	72.9	62.9
55°	1744.6	991.0	467.6	268.8	170.2	111.5	87.2	81.5	87.2	72.9	61.5
57.5°	1904.8	1049.6	477.6	258.8	155.9	103.0	82.9	77.2	80.1	71.5	58.6
60°	1997.7	1095.4	487.6	241.7	138.7	93.0	78.7	72.9	71.5	71.5	57.2
62.5°	2023.5	1078.2	481.9	220.2	124.4	85.8	74.4	68.6	64.4	72.9	57.2
65°	1942.0	988.1	460.5	201.6	114.4	82.9	70.1	65.8	61.5	62.9	54.3
67.5°	1691.7	830.8	401.8	184.5	113.0	81.5	67.2	62.9	57.2	55.8	51.5
70°	1380.0	652.1	333.2	171.6	111.5	81.5	64.4	58.6	54.3	50.1	47.2
72.5°	1061.1	487.6	280.3	165.9	113.0	80.1	60.1	52.9	48.6	45.8	42.9
75°	746.5	344.6	233.1	148.7	105.8	75.8	55.8	47.2	42.9	40.0	37.2
77.5°	540.5	234.5	173.0	120.1	90.1	65.8	48.6	40.0	35.8	34.3	31.5
80°	344.6	144.4	115.8	88.7	65.8	51.5	37.2	31.5	28.6	25.7	24.3
82.5°	198.8	84.4	70.1	60.1	42.9	34.3	27.2	24.3	18.6	17.2	15.7
85°	121.6	52.9	38.6	31.5	27.2	21.5	15.7	14.3	10.0	8.6	7.2
87.5°	27.2	11.4	10.0	7.2	8.6	7.2	4.3	2.9	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: P228479

CATALOG NUMBER: ISS-AF-800-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	175°	180°	185°	195°	205°	215°	225°	230°	232.5°	235°	237.5°
0°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6
2.5°	889.5	868.0	869.5	865.2	853.7	835.1	829.4	819.4	820.8	826.6	820.8
5°	726.4	700.7	703.6	702.1	690.7	677.8	667.8	654.9	650.7	654.9	647.8
7.5°	514.8	497.6	503.4	516.2	514.8	507.7	499.1	484.8	481.9	483.3	470.5
10°	393.3	376.1	371.8	370.4	367.5	363.2	351.8	340.3	336.1	337.5	328.9
12.5°	328.9	314.6	297.4	281.7	267.4	261.7	247.4	240.2	238.8	238.8	234.5
15°	260.3	248.8	238.8	223.1	211.6	203.1	193.1	187.3	185.9	187.3	187.3
17.5°	194.5	188.8	184.5	183.0	177.3	171.6	165.9	163.0	161.6	161.6	163.0
20°	148.7	147.3	147.3	147.3	154.4	160.2	161.6	157.3	155.9	154.4	153.0
22.5°	128.7	127.3	128.7	137.3	133.0	128.7	128.7	128.7	128.7	128.7	130.1
25°	118.7	120.1	121.6	117.3	113.0	110.1	108.7	108.7	107.3	107.3	108.7
27.5°	113.0	111.5	110.1	107.3	104.4	100.1	98.7	97.2	97.2	97.2	97.2
30°	105.8	104.4	103.0	100.1	95.8	90.1	88.7	88.7	87.2	88.7	88.7
32.5°	97.2	95.8	94.4	91.5	87.2	84.4	82.9	80.1	80.1	80.1	81.5
35°	78.7	77.2	77.2	78.7	78.7	77.2	77.2	74.4	74.4	74.4	74.4
37.5°	72.9	71.5	71.5	70.1	71.5	72.9	71.5	70.1	70.1	68.6	68.6
40°	68.6	68.6	67.2	65.8	65.8	68.6	67.2	65.8	64.4	64.4	64.4
42.5°	65.8	64.4	64.4	62.9	62.9	62.9	61.5	60.1	58.6	58.6	58.6
45°	62.9	62.9	61.5	60.1	58.6	58.6	55.8	54.3	54.3	54.3	55.8
47.5°	61.5	60.1	60.1	58.6	57.2	54.3	52.9	51.5	51.5	51.5	51.5
50°	60.1	58.6	57.2	57.2	54.3	52.9	51.5	50.1	50.1	50.1	50.1
52.5°	58.6	57.2	55.8	54.3	52.9	51.5	50.1	48.6	48.6	48.6	48.6
55°	55.8	54.3	54.3	52.9	52.9	51.5	50.1	48.6	48.6	48.6	47.2
57.5°	54.3	52.9	51.5	51.5	51.5	50.1	48.6	47.2	47.2	47.2	47.2
60°	52.9	51.5	51.5	50.1	50.1	48.6	48.6	47.2	45.8	45.8	44.3
62.5°	51.5	50.1	50.1	48.6	50.1	48.6	47.2	45.8	44.3	44.3	42.9
65°	50.1	48.6	48.6	48.6	47.2	47.2	45.8	42.9	42.9	42.9	41.5
67.5°	47.2	45.8	45.8	47.2	45.8	44.3	44.3	41.5	41.5	40.0	40.0
70°	42.9	42.9	42.9	44.3	42.9	41.5	41.5	40.0	38.6	37.2	37.2
72.5°	40.0	38.6	40.0	40.0	40.0	38.6	40.0	37.2	35.8	34.3	34.3
75°	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	32.9	31.5	30.0
77.5°	27.2	28.6	28.6	28.6	28.6	30.0	28.6	28.6	28.6	27.2	25.7
80°	20.0	20.0	21.5	22.9	21.5	22.9	21.5	22.9	21.5	21.5	21.5
82.5°	11.4	11.4	12.9	14.3	14.3	15.7	12.9	14.3	14.3	15.7	14.3
85°	4.3	4.3	4.3	4.3	5.7	5.7	4.3	5.7	5.7	7.2	7.2
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):

	240°	242.5°	245°	247.5°	250°	252.5°	255°	257.5°	260°	265°	270°
0°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6
2.5°	832.3	832.3	815.1	818.0	820.8	826.6	823.7	822.3	820.8	829.4	833.7
5°	653.5	652.1	630.6	629.2	633.5	634.9	630.6	623.5	619.2	620.6	624.9
7.5°	474.8	470.5	450.5	447.6	446.2	447.6	443.3	436.2	430.4	431.9	436.2
10°	331.8	320.3	317.5	318.9	321.8	324.6	324.6	324.6	326.0	334.6	344.6
12.5°	240.2	236.0	238.8	241.7	247.4	251.7	256.0	257.4	258.8	270.3	278.9
15°	190.2	190.2	193.1	194.5	197.3	200.2	203.1	203.1	204.5	208.8	215.9
17.5°	164.5	164.5	164.5	164.5	164.5	163.0	161.6	158.7	157.3	155.9	157.3
20°	151.6	150.2	147.3	145.9	143.0	140.1	138.7	134.4	133.0	128.7	127.3
22.5°	130.1	128.7	128.7	128.7	128.7	127.3	125.8	124.4	121.6	117.3	114.4
25°	107.3	107.3	107.3	108.7	108.7	110.1	113.0	113.0	113.0	113.0	108.7
27.5°	97.2	97.2	97.2	97.2	98.7	98.7	100.1	100.1	100.1	101.5	103.0
30°	88.7	90.1	90.1	91.5	91.5	93.0	93.0	94.4	94.4	95.8	95.8
32.5°	81.5	81.5	82.9	84.4	84.4	84.4	87.2	87.2	85.8	87.2	87.2
35°	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	70.1	68.6	70.1
37.5°	67.2	65.8	65.8	64.4	62.9	62.9	62.9	64.4	62.9	64.4	64.4
40°	61.5	61.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	61.5	62.9
42.5°	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	58.6	58.6
45°	54.3	54.3	54.3	54.3	55.8	55.8	55.8	55.8	55.8	55.8	57.2
47.5°	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	54.3	55.8
50°	50.1	50.1	51.5	51.5	51.5	51.5	51.5	51.5	51.5	52.9	54.3
52.5°	48.6	48.6	48.6	50.1	50.1	50.1	50.1	50.1	50.1	50.1	51.5
55°	47.2	48.6	48.6	48.6	48.6	48.6	47.2	47.2	47.2	47.2	48.6
57.5°	45.8	45.8	47.2	47.2	47.2	45.8	45.8	44.3	44.3	44.3	47.2
60°	44.3	44.3	44.3	44.3	44.3	42.9	42.9	42.9	42.9	44.3	44.3
62.5°	42.9	42.9	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
65°	41.5	41.5	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
67.5°	38.6	38.6	38.6	37.2	37.2	37.2	37.2	38.6	37.2	37.2	37.2
70°	35.8	35.8	35.8	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
72.5°	32.9	32.9	32.9	32.9	31.5	31.5	31.5	31.5	31.5	31.5	31.5
75°	30.0	28.6	28.6	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
77.5°	25.7	24.3	24.3	24.3	22.9	22.9	22.9	22.9	22.9	22.9	22.9
80°	21.5	20.0	20.0	18.6	18.6	18.6	18.6	18.6	18.6	17.2	17.2
82.5°	15.7	14.3	14.3	14.3	14.3	12.9	12.9	12.9	12.9	11.4	10.0
85°	7.2	7.2	5.7	7.2	7.2	8.6	7.2	7.2	7.2	5.7	2.9
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°	302.5°	
0°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	0°
2.5°	830.8	845.1	846.6	838.0	855.2	858.0	853.7	853.7	856.6	868.0	868.0	2.5°
5°	619.2	637.8	636.4	624.9	647.8	654.9	650.7	652.1	657.8	670.7	677.8	5°
7.5°	437.6	453.3	451.9	450.5	464.8	470.5	473.3	477.6	494.8	496.2	504.8	7.5°
10°	354.6	368.9	373.2	383.2	387.5	396.1	401.8	409.0	423.3	430.4	440.4	10°
12.5°	287.4	304.6	308.9	320.3	326.0	336.1	341.8	356.1	364.7	373.2	386.1	12.5°
15°	221.7	236.0	240.2	248.8	254.5	266.0	271.7	280.3	297.4	306.0	323.2	15°
17.5°	163.0	171.6	174.5	180.2	184.5	188.8	200.2	214.5	224.5	238.8	247.4	17.5°
20°	127.3	130.1	131.6	133.0	135.9	138.7	144.4	154.4	160.2	171.6	180.2	20°
22.5°	114.4	115.8	115.8	117.3	117.3	118.7	121.6	124.4	127.3	131.6	135.9	22.5°
25°	105.8	107.3	107.3	108.7	108.7	110.1	111.5	113.0	115.8	117.3	118.7	25°
27.5°	101.5	101.5	101.5	101.5	103.0	103.0	104.4	107.3	107.3	110.1	111.5	27.5°
30°	97.2	97.2	97.2	98.7	100.1	103.0	105.8	110.1	111.5	114.4	115.8	30°
32.5°	90.1	87.2	90.1	88.7	85.8	85.8	87.2	90.1	90.1	91.5	93.0	32.5°
35°	70.1	70.1	71.5	72.9	72.9	74.4	75.8	77.2	78.7	81.5	82.9	35°
37.5°	65.8	67.2	67.2	68.6	70.1	70.1	71.5	74.4	75.8	77.2	78.7	37.5°
40°	62.9	64.4	65.8	67.2	67.2	68.6	70.1	71.5	72.9	75.8	77.2	40°
42.5°	60.1	62.9	62.9	64.4	65.8	67.2	68.6	70.1	72.9	74.4	75.8	42.5°
45°	58.6	60.1	61.5	62.9	64.4	65.8	67.2	70.1	71.5	74.4	75.8	45°
47.5°	57.2	58.6	60.1	61.5	62.9	64.4	65.8	68.6	71.5	74.4	77.2	47.5°
50°	54.3	57.2	58.6	60.1	61.5	62.9	65.8	68.6	71.5	75.8	82.9	50°
52.5°	52.9	55.8	55.8	58.6	60.1	62.9	65.8	68.6	72.9	78.7	85.8	52.5°
55°	50.1	52.9	52.9	55.8	58.6	61.5	62.9	67.2	71.5	77.2	78.7	55°
57.5°	47.2	50.1	51.5	52.9	55.8	58.6	60.1	64.4	70.1	71.5	70.1	57.5°
60°	45.8	47.2	48.6	50.1	52.9	54.3	58.6	67.2	72.9	67.2	60.1	60°
62.5°	42.9	45.8	47.2	48.6	51.5	52.9	55.8	61.5	62.9	55.8	54.3	62.5°
65°	41.5	44.3	44.3	47.2	48.6	48.6	50.1	50.1	50.1	50.1	50.1	65°
67.5°	38.6	41.5	41.5	42.9	44.3	44.3	45.8	45.8	45.8	45.8	45.8	67.5°
70°	35.8	37.2	38.6	40.0	40.0	40.0	41.5	41.5	41.5	42.9	42.9	70°
72.5°	32.9	34.3	34.3	35.8	35.8	37.2	37.2	38.6	38.6	38.6	40.0	72.5°
75°	27.2	28.6	30.0	31.5	31.5	32.9	32.9	32.9	32.9	34.3	34.3	75°
77.5°	22.9	22.9	25.7	25.7	27.2	27.2	28.6	28.6	28.6	28.6	28.6	77.5°
80°	17.2	17.2	18.6	20.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	80°
82.5°	10.0	10.0	11.4	11.4	12.9	12.9	14.3	12.9	12.9	11.4	11.4	82.5°
85°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.4	1.4	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°
999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	0°	999.6
889.5	889.5	892.3	903.8	906.6	913.8	912.4	925.2	930.9	965.3	1001.0	2.5°	1035.3
703.6	709.3	717.9	732.2	740.7	756.5	753.6	779.4	783.7	846.6	908.1	5°	979.6
524.8	533.4	540.5	556.3	569.1	584.9	589.2	619.2	627.8	710.7	796.5	7.5°	895.2
454.7	461.9	471.9	481.9	494.8	501.9	513.4	527.7	537.7	599.2	697.8	10°	810.8
404.7	414.7	424.7	439.0	451.9	464.8	476.2	490.5	503.4	553.4	630.6	12.5°	760.8
343.2	354.6	366.1	381.8	400.4	413.3	426.1	441.9	457.6	519.1	609.2	15°	740.7
266.0	278.9	294.6	316.0	336.1	351.8	364.7	386.1	406.1	480.5	599.2	17.5°	760.8
195.9	207.4	221.7	240.2	254.5	281.7	296.0	321.8	346.1	439.0	584.9	20°	799.4
144.4	151.6	163.0	177.3	193.1	217.4	233.1	256.0	283.1	400.4	584.9	22.5°	865.2
121.6	124.4	128.7	137.3	147.3	164.5	180.2	203.1	230.2	366.1	600.6	25°	972.4
113.0	114.4	117.3	121.6	127.3	135.9	147.3	165.9	193.1	338.9	623.5	27.5°	1086.8
118.7	118.7	118.7	120.1	123.0	127.3	133.0	144.4	161.6	298.9	639.2	30°	1186.9
95.8	97.2	97.2	100.1	101.5	107.3	113.0	121.6	137.3	274.6	649.2	32.5°	1258.4
85.8	87.2	88.7	90.1	93.0	94.4	100.1	110.1	125.8	258.8	647.8	35°	1342.8
81.5	82.9	84.4	84.4	85.8	88.7	93.0	103.0	121.6	253.1	647.8	37.5°	1440.0
80.1	80.1	80.1	80.1	82.9	85.8	93.0	103.0	118.7	247.4	652.1	40°	1547.3
77.2	77.2	77.2	78.7	82.9	88.7	91.5	97.2	110.1	244.5	659.2	42.5°	1644.5
77.2	77.2	78.7	84.4	85.8	85.8	87.2	91.5	104.4	244.5	673.5	45°	1720.3
80.1	82.9	84.4	82.9	81.5	81.5	81.5	87.2	100.1	248.8	700.7	47.5°	1807.5
87.2	85.8	80.1	78.7	78.7	75.8	77.2	82.9	98.7	248.8	756.5	50°	1927.7
85.8	80.1	78.7	75.8	72.9	71.5	72.9	81.5	97.2	246.0	836.6	52.5°	2103.6
77.2	75.8	71.5	68.6	67.2	68.6	71.5	78.7	94.4	243.1	935.2	55°	2316.6
67.2	65.8	62.9	62.9	64.4	65.8	70.1	75.8	87.2	236.0	1013.9	57.5°	2512.5
58.6	58.6	58.6	60.1	61.5	62.9	67.2	71.5	80.1	223.1	1066.8	60°	2638.4
52.9	54.3	54.3	57.2	58.6	60.1	62.9	67.2	72.9	208.8	1078.2	62.5°	2639.8
50.1	51.5	52.9	52.9	54.3	55.8	60.1	64.4	72.9	197.3	1008.2	65°	2535.4
47.2	47.2	48.6	50.1	51.5	52.9	55.8	62.9	74.4	187.3	855.2	67.5°	2270.9
42.9	44.3	45.8	47.2	47.2	48.6	52.9	62.9	75.8	183.0	679.3	70°	1917.7
40.0	40.0	41.5	42.9	42.9	45.8	50.1	61.5	77.2	175.9	511.9	72.5°	1495.8
34.3	35.8	35.8	35.8	37.2	40.0	45.8	55.8	67.2	145.9	346.1	75°	1013.9
30.0	28.6	30.0	30.0	31.5	32.9	37.2	42.9	50.1	93.0	183.0	77.5°	644.9
21.5	20.0	20.0	21.5	21.5	21.5	24.3	25.7	28.6	57.2	101.5	80°	380.4
11.4	10.0	11.4	10.0	10.0	11.4	11.4	14.3	14.3	27.2	45.8	82.5°	236.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	10.0	85°	95.8
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

'228479

ISS-AF-800-LED-E1-SLL-7030

TION (continued):

359°	360°
999.6	999.6
1052.5	1061.1
1015.3	1026.8
935.2	951.0
860.9	876.6
820.8	829.4
802.2	819.4
829.4	846.6
883.8	910.9
979.6	1013.9
1131.1	1161.2
1251.3	1298.5
1362.8	1401.4
1451.5	1495.8
1553.0	1595.9
1676.0	1734.6
1803.3	1869.0
1921.9	1994.9
2033.5	2090.7
2119.3	2183.6
2228.0	2303.8
2412.4	2466.8
2635.5	2697.0
2842.9	2895.8
2938.7	2983.0
2941.5	2997.3
2878.6	2941.5
2718.5	2815.7
2403.9	2512.5
1889.1	2013.5
1254.1	1362.8
723.6	759.3
427.6	446.2
254.5	273.1
68.6	74.4
0.0	0.0
0.0	0.0

(END OF REPORT)