

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: P228566

Luminaire Tested: **ISC-AF-600-LED-E1-SLL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P228566  
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: ISC-AF-600-LED-E1-SLL  
Description: IMPACT ELITE LED CYLINDER LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (16) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

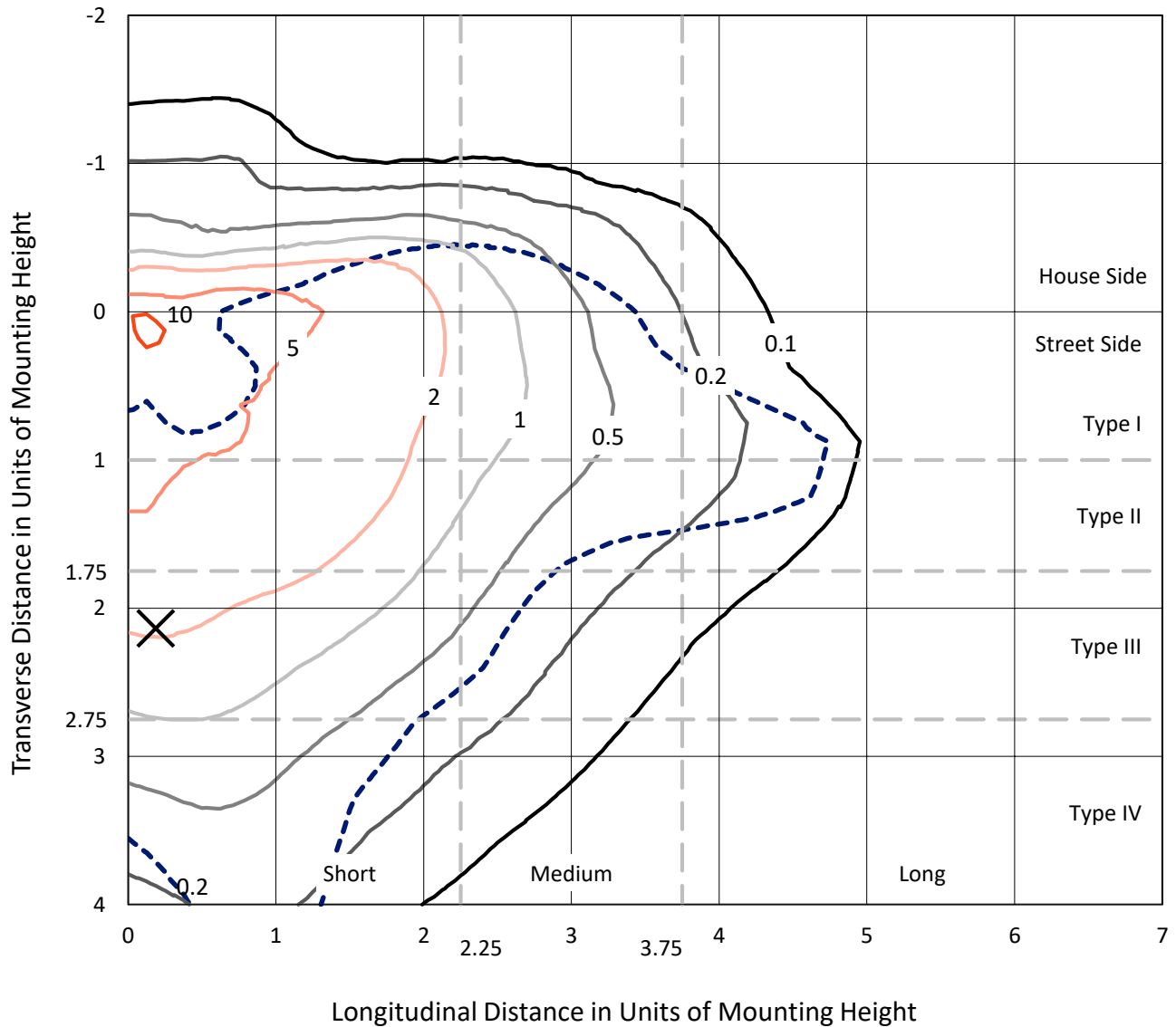
Lumens per Lamp: N/A  
Luminaire Lumens: 3333.8 lumens  
Efficiency: N/A  
Efficacy: 98.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 33.7  
Input Voltage (V): 120  
Input Current (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

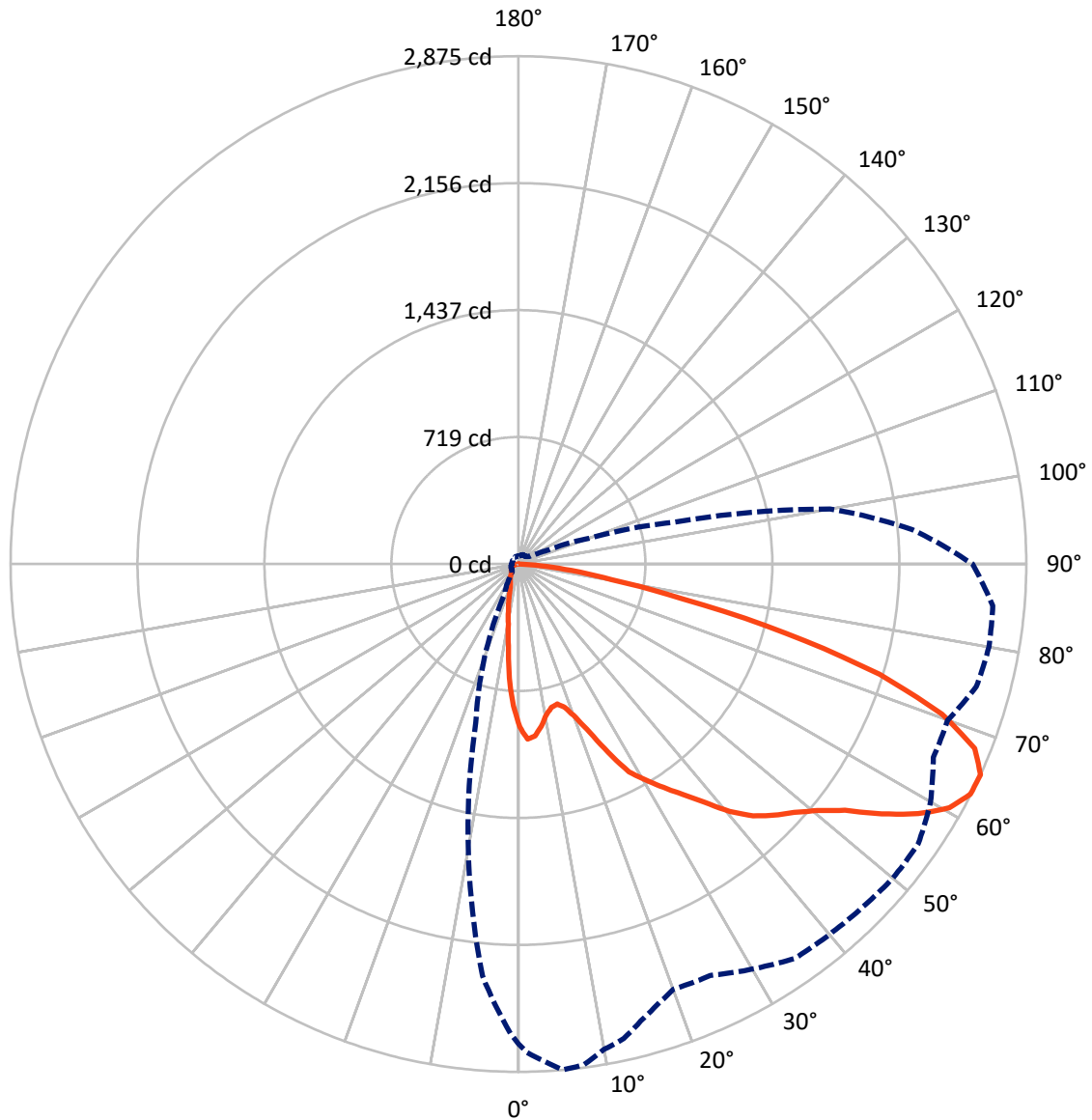
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.5 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
<b>House Side</b>	Lumens	554.3	0.0	554.3
	% Fixture	16.6	0.0	16.6
<b>Street Side</b>	Lumens	2779.5	0.0	2779.5
	% Fixture	83.4	0.0	83.4
<b>Total</b>	Lumens	3333.8	0.0	3333.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.8	2.1
10°-20°	146.0	4.4
20°-30°	212.2	6.4
30°-40°	313.8	9.4
40°-50°	457.3	13.7
50°-60°	685.5	20.6
60°-70°	854.2	25.6
70°-80°	500.4	15.0
80°-90°	93.6	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°	3333.8	100.0
0°-180°	3333.8	100.0



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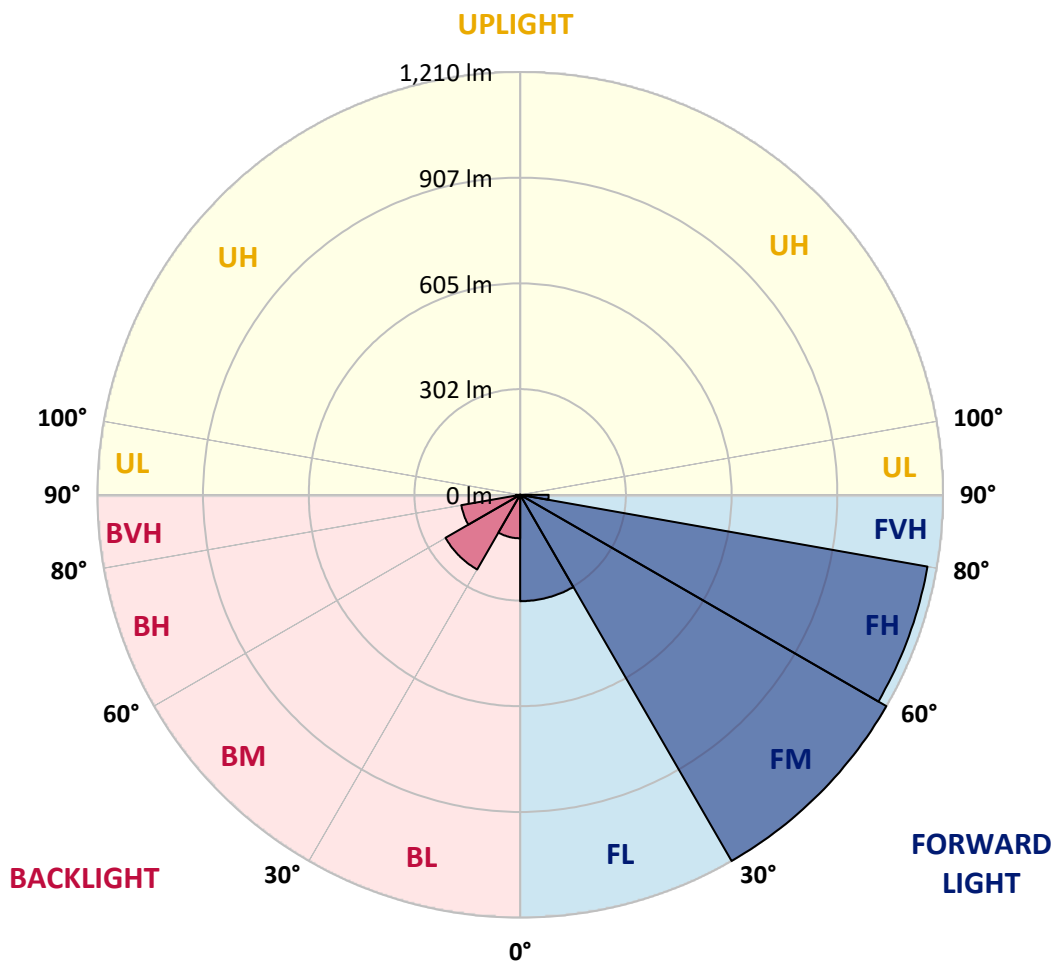
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	304.6	9.1			
FM	(30°-60°)	1209.9	36.3			
FH	(60°-80°)	1183.5	35.5			G1/1800
FVH	(80°-90°)	81.5	2.4			G1/100
BL	(0°-30°)	124.5	3.7	B1/500		
BM	(30°-60°)	246.7	7.4	B1/1000		
BH	(60°-80°)	171.1	5.1	B1/500		G1/500
BVH	(80°-90°)	12.1	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°	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6
2.5°	979.4	976.7	992.6	995.2	1005.8	1005.8	1017.6	1028.2	1032.2	1041.4	1065.1
5°	947.7	955.6	978.0	1000.4	1016.3	1032.2	1049.3	1070.4	1087.6	1116.7	1177.3
7.5°	877.7	889.6	927.9	950.3	975.4	1003.1	1024.2	1049.3	1075.7	1124.5	1232.8
10°	809.1	818.4	867.2	894.9	930.5	959.5	989.9	1017.6	1046.7	1107.3	1232.8
12.5°	765.6	777.4	832.9	859.3	900.2	930.5	967.5	1000.4	1034.8	1099.5	1220.9
15°	756.3	769.5	822.2	855.3	890.9	919.9	953.0	987.2	1021.6	1084.9	1193.2
17.5°	781.3	797.2	854.0	890.9	918.6	951.7	975.4	1008.4	1030.8	1081.0	1132.4
20°	840.8	859.3	926.6	962.2	984.6	1005.8	1024.2	1044.0	1053.2	1065.1	1055.9
22.5°	935.8	958.2	1034.8	1075.7	1091.5	1107.3	1108.7	1111.3	1104.8	1073.1	1001.8
25°	1071.7	1094.1	1181.3	1220.9	1220.9	1220.9	1206.4	1195.8	1165.4	1106.0	987.2
27.5°	1198.5	1227.4	1331.8	1356.8	1348.9	1337.0	1309.3	1282.9	1239.4	1140.4	985.9
30°	1293.5	1322.5	1418.8	1438.7	1418.8	1389.8	1346.3	1308.0	1256.5	1157.6	995.2
32.5°	1380.6	1414.9	1507.3	1510.0	1474.3	1441.3	1392.4	1348.9	1294.7	1189.2	1023.0
35°	1472.9	1507.3	1601.0	1582.5	1531.1	1486.1	1436.0	1397.8	1343.6	1230.1	1067.8
37.5°	1601.0	1631.4	1710.6	1667.0	1601.0	1542.9	1488.8	1438.7	1384.6	1285.5	1143.0
40°	1725.1	1768.7	1841.2	1771.2	1690.7	1612.9	1553.5	1500.7	1441.3	1360.8	1239.4
42.5°	1841.2	1882.1	1949.4	1859.7	1766.0	1688.1	1626.1	1569.3	1512.5	1446.6	1355.5
45°	1929.7	1971.9	2028.6	1933.6	1826.7	1746.2	1678.9	1628.7	1578.6	1533.7	1502.0
47.5°	2015.4	2057.7	2101.2	1998.3	1892.7	1810.8	1731.7	1685.5	1645.9	1622.1	1660.5
50°	2126.3	2155.4	2192.3	2081.4	1969.3	1875.6	1796.3	1760.7	1723.8	1731.7	1859.7
52.5°	2276.8	2301.8	2315.0	2206.8	2081.4	1974.5	1887.4	1838.5	1808.3	1854.4	2070.9
55°	2489.2	2524.9	2495.9	2389.0	2230.5	2109.1	2002.2	1944.2	1925.7	1987.7	2282.1
57.5°	2672.8	2688.6	2667.4	2561.9	2399.5	2263.6	2150.0	2089.4	2068.2	2150.0	2474.7
60°	2753.3	2773.0	2802.1	2711.0	2559.2	2424.6	2326.9	2267.6	2231.9	2326.9	2629.2
62.5°	2766.5	2799.4	2870.7	2824.6	2704.4	2604.1	2515.6	2433.8	2406.2	2478.7	2730.9
65°	2715.0	2765.1	2874.7	2857.5	2790.2	2751.9	2678.0	2614.7	2561.9	2569.8	2725.6
67.5°	2598.8	2656.9	2785.0	2777.0	2785.0	2785.0	2720.2	2667.4	2598.8	2501.1	2524.9
70°	2319.0	2395.5	2543.4	2581.7	2649.0	2649.0	2592.3	2511.8	2432.6	2231.9	2110.4
72.5°	1858.4	1909.8	2136.8	2323.0	2408.7	2374.5	2319.0	2184.4	2010.2	1789.8	1624.8
75°	1257.8	1288.2	1566.6	1907.2	2063.0	2033.9	1942.9	1775.2	1595.7	1350.2	1141.7
77.5°	700.8	740.4	949.0	1215.6	1425.5	1421.5	1409.6	1302.7	1160.1	956.9	848.6
80°	411.8	425.0	534.6	728.5	909.4	865.8	835.4	751.1	678.4	586.0	669.2
82.5°	252.1	238.9	303.6	443.4	537.2	518.7	467.3	435.6	401.2	376.1	444.8
85°	68.6	62.0	124.1	186.1	228.3	246.8	246.8	244.2	219.1	165.0	197.9
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°	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6
2.5°	1074.4	1075.7	1071.7	1081.0	1070.4	1065.1	1049.3	1049.3	1036.1	1025.5	1013.6
5°	1199.7	1207.7	1201.0	1202.4	1181.3	1160.1	1128.5	1110.0	1077.1	1041.4	1004.4
7.5°	1284.2	1297.4	1292.2	1269.7	1236.7	1191.8	1139.1	1088.9	1034.8	976.7	922.6
10°	1306.7	1321.2	1309.3	1267.1	1213.0	1149.6	1086.3	1019.0	953.0	890.9	832.9
12.5°	1275.0	1285.5	1260.5	1214.2	1161.5	1098.1	1032.2	974.1	896.2	830.2	762.9
15°	1194.5	1187.9	1185.3	1152.3	1115.3	1063.9	1001.8	942.3	869.8	802.5	731.2
17.5°	1107.3	1099.5	1102.1	1088.9	1083.6	1059.9	1013.6	963.5	898.9	817.0	740.4
20°	1030.8	1023.0	1026.8	1033.5	1053.2	1054.6	1046.7	1013.6	966.2	880.4	786.6
22.5°	964.8	966.2	979.4	997.8	1030.8	1073.1	1106.0	1112.7	1079.6	979.4	861.8
25°	945.0	938.5	953.0	983.3	1038.7	1120.5	1194.5	1231.4	1213.0	1112.7	968.8
27.5°	938.5	929.1	945.0	984.6	1073.1	1187.9	1293.5	1348.9	1355.5	1252.6	1083.6
30°	938.5	934.5	950.3	1001.8	1095.5	1210.4	1327.8	1411.0	1437.3	1351.5	1184.0
32.5°	950.3	953.0	980.7	1046.7	1143.0	1260.5	1381.9	1471.6	1519.2	1454.5	1264.5
35°	976.7	982.0	1021.6	1098.1	1202.4	1321.2	1432.0	1523.2	1599.7	1565.4	1339.7
37.5°	1033.5	1041.4	1090.3	1168.1	1263.1	1370.0	1478.3	1576.0	1686.8	1672.3	1418.8
40°	1133.7	1133.7	1182.6	1249.9	1327.8	1409.6	1516.5	1631.4	1767.4	1787.1	1516.5
42.5°	1260.5	1255.2	1286.9	1335.7	1389.8	1458.4	1554.8	1682.9	1842.5	1886.1	1590.5
45°	1434.7	1408.3	1425.5	1437.3	1463.7	1506.0	1591.8	1731.7	1903.3	1960.0	1645.9
47.5°	1639.3	1602.4	1587.8	1565.4	1556.1	1572.0	1645.9	1769.9	1961.3	2023.4	1735.6
50°	1864.9	1829.3	1791.1	1730.3	1677.5	1661.7	1706.6	1821.5	2023.4	2102.6	1834.7
52.5°	2099.9	2074.9	2024.7	1929.7	1829.3	1772.6	1793.7	1907.2	2122.3	2225.3	1952.1
55°	2315.0	2323.0	2262.3	2151.4	2007.5	1920.4	1945.4	2059.0	2301.8	2423.3	2148.7
57.5°	2546.0	2524.9	2477.4	2362.6	2205.5	2111.8	2122.3	2259.6	2502.4	2594.9	2344.1
60°	2699.2	2699.2	2647.7	2560.5	2411.4	2324.3	2340.1	2466.8	2663.6	2672.8	2431.2
62.5°	2798.2	2812.7	2771.8	2709.7	2564.5	2491.9	2546.0	2635.8	2742.7	2666.1	2387.7
65°	2750.6	2766.5	2762.5	2693.8	2590.9	2585.6	2683.3	2704.4	2695.2	2569.8	2237.2
67.5°	2535.5	2503.8	2502.4	2466.8	2445.8	2555.2	2679.3	2686.0	2530.2	2381.0	1999.6
70°	2126.3	2072.2	2051.1	2061.7	2158.0	2362.6	2539.5	2489.2	2241.2	2113.1	1702.6
72.5°	1639.3	1574.6	1561.4	1602.4	1751.5	2039.3	2280.8	2210.8	1842.5	1693.4	1318.6
75°	1162.8	1135.1	1136.4	1216.9	1377.9	1655.1	1936.2	1929.7	1364.7	1168.1	908.1
77.5°	846.1	851.3	875.0	906.7	1045.4	1313.3	1577.3	1560.1	971.4	802.5	634.8
80°	698.2	706.1	706.1	689.0	724.7	867.2	1071.7	1144.4	650.7	539.8	443.4
82.5°	501.6	541.1	563.5	535.8	522.6	571.5	671.8	719.3	405.2	340.5	310.2
85°	238.9	273.2	281.1	274.6	315.5	360.3	384.1	393.3	221.8	158.4	203.3
87.5°	0.0	0.0	1.3	10.5	29.1	50.1	50.1	76.5	11.9	4.0	9.2
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°	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6
2.5°	997.8	980.7	967.5	951.7	938.5	925.3	916.0	896.2	880.4	844.8	835.4
5°	974.1	937.1	912.1	888.2	857.9	836.8	814.4	786.6	756.3	704.8	689.0
7.5°	880.4	834.1	799.8	765.6	725.9	690.3	657.3	620.3	567.5	512.1	491.0
10°	778.8	729.9	682.4	641.5	593.9	554.3	525.3	498.9	456.6	414.4	386.7
12.5°	695.6	640.2	586.0	545.1	520.1	500.2	479.2	458.0	413.2	365.6	332.6
15°	657.3	592.6	545.1	510.8	488.4	464.6	439.6	415.7	362.9	307.5	267.9
17.5°	662.6	588.7	527.9	481.7	451.4	418.4	389.3	359.1	301.0	235.0	199.3
20°	691.6	592.6	509.4	455.3	411.8	369.6	332.6	294.3	223.1	171.5	146.5
22.5°	728.5	605.8	498.9	428.9	374.8	322.0	274.6	229.7	165.0	134.6	122.8
25°	792.0	636.2	496.2	405.2	339.2	275.9	227.0	179.5	133.3	118.8	112.2
27.5°	871.1	670.5	498.9	388.0	308.8	238.9	184.7	149.1	120.1	112.2	106.9
30°	950.3	706.1	487.0	361.6	273.2	204.6	158.4	136.0	118.8	109.6	100.4
32.5°	1020.3	732.5	467.3	333.9	241.5	174.2	134.6	116.1	104.2	93.7	91.0
35°	1070.4	744.4	444.8	316.8	220.4	155.8	118.8	104.2	92.4	81.8	76.5
37.5°	1118.0	745.7	421.0	301.0	212.5	147.8	109.6	96.4	85.8	76.5	71.3
40°	1166.8	740.4	407.9	285.1	200.6	143.8	105.6	89.7	83.2	72.6	67.3
42.5°	1202.4	731.2	402.5	275.9	190.1	133.3	102.9	88.4	79.2	71.3	64.7
45°	1235.4	722.0	402.5	267.9	182.2	126.7	97.7	89.7	76.5	70.0	62.0
47.5°	1275.0	725.9	403.9	261.4	175.5	120.1	92.4	87.2	77.8	68.6	60.8
50°	1342.3	770.8	410.5	257.4	170.2	114.9	88.4	83.2	85.8	67.3	59.4
52.5°	1458.4	842.1	421.0	254.7	165.0	110.9	83.2	80.5	87.2	67.3	58.1
55°	1610.2	914.7	431.6	248.2	157.0	102.9	80.5	75.2	80.5	67.3	56.8
57.5°	1758.0	968.8	440.8	238.9	143.8	95.0	76.5	71.3	74.0	66.0	54.1
60°	1843.9	1011.0	450.1	223.1	128.1	85.8	72.6	67.3	66.0	66.0	52.8
62.5°	1867.6	995.2	444.8	203.3	114.9	79.2	68.6	63.3	59.4	67.3	52.8
65°	1792.4	912.1	425.0	186.1	105.6	76.5	64.7	60.8	56.8	58.1	50.1
67.5°	1561.4	766.8	370.9	170.2	104.2	75.2	62.0	58.1	52.8	51.5	47.5
70°	1273.7	601.9	307.5	158.4	102.9	75.2	59.4	54.1	50.1	46.2	43.6
72.5°	979.4	450.1	258.7	153.1	104.2	74.0	55.4	48.8	44.9	42.2	39.6
75°	689.0	318.1	215.1	137.3	97.7	70.0	51.5	43.6	39.6	36.9	34.3
77.5°	498.9	216.5	159.7	110.9	83.2	60.8	44.9	36.9	33.0	31.7	29.1
80°	318.1	133.3	106.9	81.8	60.8	47.5	34.3	29.1	26.4	23.7	22.4
82.5°	183.4	77.8	64.7	55.4	39.6	31.7	25.1	22.4	17.2	15.9	14.5
85°	112.2	48.8	35.6	29.1	25.1	19.8	14.5	13.2	9.2	7.9	6.6
87.5°	25.1	10.5	9.2	6.6	7.9	6.6	4.0	2.7	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: ISC-AF-600-LED-E1-SLL

**CANDELA DISTRIBUTION (continued):**

	175°	180°	185°	195°	205°	215°	225°	230°	232.5°	235°	237.5°
0°	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6
2.5°	820.9	801.2	802.5	798.5	788.0	770.8	765.6	756.3	757.6	762.9	757.6
5°	670.5	646.7	649.4	648.0	637.5	625.6	616.4	604.5	600.6	604.5	597.9
7.5°	475.2	459.3	464.6	476.5	475.2	468.5	460.6	447.4	444.8	446.1	434.2
10°	362.9	347.1	343.2	341.9	339.2	335.2	324.7	314.1	310.2	311.5	303.6
12.5°	303.6	290.4	274.6	260.0	246.8	241.5	228.3	221.8	220.4	220.4	216.5
15°	240.2	229.7	220.4	205.9	195.4	187.4	178.2	172.9	171.5	172.9	172.9
17.5°	179.5	174.2	170.2	169.0	163.7	158.4	153.1	150.5	149.1	149.1	150.5
20°	137.3	136.0	136.0	136.0	142.5	147.8	149.1	145.2	143.8	142.5	141.3
22.5°	118.8	117.4	118.8	126.7	122.8	118.8	118.8	118.8	118.8	118.8	120.1
25°	109.6	110.9	112.2	108.2	104.2	101.7	100.4	100.4	99.0	99.0	100.4
27.5°	104.2	102.9	101.7	99.0	96.4	92.4	91.0	89.7	89.7	89.7	89.7
30°	97.7	96.4	95.0	92.4	88.4	83.2	81.8	81.8	80.5	81.8	81.8
32.5°	89.7	88.4	87.2	84.5	80.5	77.8	76.5	74.0	74.0	74.0	75.2
35°	72.6	71.3	71.3	72.6	72.6	71.3	71.3	68.6	68.6	68.6	68.6
37.5°	67.3	66.0	66.0	64.7	66.0	67.3	66.0	64.7	64.7	63.3	63.3
40°	63.3	63.3	62.0	60.8	60.8	63.3	62.0	60.8	59.4	59.4	59.4
42.5°	60.8	59.4	59.4	58.1	58.1	58.1	56.8	55.4	54.1	54.1	54.1
45°	58.1	58.1	56.8	55.4	54.1	54.1	51.5	50.1	50.1	50.1	51.5
47.5°	56.8	55.4	55.4	54.1	52.8	50.1	48.8	47.5	47.5	47.5	47.5
50°	55.4	54.1	52.8	52.8	50.1	48.8	47.5	46.2	46.2	46.2	46.2
52.5°	54.1	52.8	51.5	50.1	48.8	47.5	46.2	44.9	44.9	44.9	44.9
55°	51.5	50.1	50.1	48.8	48.8	47.5	46.2	44.9	44.9	44.9	43.6
57.5°	50.1	48.8	47.5	47.5	47.5	46.2	44.9	43.6	43.6	43.6	43.6
60°	48.8	47.5	47.5	46.2	46.2	44.9	44.9	43.6	42.2	42.2	40.9
62.5°	47.5	46.2	46.2	44.9	46.2	44.9	43.6	42.2	40.9	40.9	39.6
65°	46.2	44.9	44.9	44.9	43.6	43.6	42.2	39.6	39.6	39.6	38.3
67.5°	43.6	42.2	42.2	43.6	42.2	40.9	40.9	38.3	38.3	36.9	36.9
70°	39.6	39.6	39.6	40.9	39.6	38.3	38.3	36.9	35.6	34.3	34.3
72.5°	36.9	35.6	36.9	36.9	36.9	35.6	36.9	34.3	33.0	31.7	31.7
75°	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	30.4	29.1	27.7
77.5°	25.1	26.4	26.4	26.4	26.4	27.7	26.4	26.4	26.4	25.1	23.7
80°	18.5	18.5	19.8	21.1	19.8	21.1	19.8	21.1	19.8	19.8	19.8
82.5°	10.5	10.5	11.9	13.2	13.2	14.5	11.9	13.2	13.2	14.5	13.2
85°	4.0	4.0	4.0	4.0	5.3	5.3	4.0	5.3	5.3	6.6	6.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P228566

CATALOG NUMBER: ISC-AF-600-LED-E1-SLL

**CANDELA DISTRIBUTION (continued):**

	240°	242.5°	245°	247.5°	250°	252.5°	255°	257.5°	260°	265°	270°
0°	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6
2.5°	768.1	768.1	752.4	754.9	757.6	762.9	760.3	758.9	757.6	765.6	769.5
5°	603.2	601.9	582.1	580.7	584.7	586.0	582.1	575.5	571.5	572.9	576.7
7.5°	438.2	434.2	415.7	413.2	411.8	413.2	409.2	402.5	397.3	398.6	402.5
10°	306.2	295.6	293.0	294.3	297.0	299.6	299.6	299.6	301.0	308.8	318.1
12.5°	221.8	217.8	220.4	223.1	228.3	232.3	236.3	237.5	238.9	249.5	257.4
15°	175.5	175.5	178.2	179.5	182.2	184.7	187.4	187.4	188.7	192.7	199.3
17.5°	151.8	151.8	151.8	151.8	151.8	150.5	149.1	146.5	145.2	143.8	145.2
20°	139.9	138.6	136.0	134.6	132.0	129.3	128.1	124.1	122.8	118.8	117.4
22.5°	120.1	118.8	118.8	118.8	118.8	117.4	116.1	114.9	112.2	108.2	105.6
25°	99.0	99.0	99.0	100.4	100.4	101.7	104.2	104.2	104.2	104.2	100.4
27.5°	89.7	89.7	89.7	89.7	91.0	91.0	92.4	92.4	92.4	93.7	95.0
30°	81.8	83.2	83.2	84.5	84.5	85.8	85.8	87.2	87.2	88.4	88.4
32.5°	75.2	75.2	76.5	77.8	77.8	77.8	80.5	80.5	79.2	80.5	80.5
35°	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	64.7	63.3	64.7
37.5°	62.0	60.8	60.8	59.4	58.1	58.1	58.1	59.4	58.1	59.4	59.4
40°	56.8	56.8	55.4	55.4	55.4	55.4	55.4	55.4	55.4	56.8	58.1
42.5°	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	54.1	54.1
45°	50.1	50.1	50.1	50.1	51.5	51.5	51.5	51.5	51.5	51.5	52.8
47.5°	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.1	51.5
50°	46.2	46.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5	48.8	50.1
52.5°	44.9	44.9	44.9	46.2	46.2	46.2	46.2	46.2	46.2	46.2	47.5
55°	43.6	44.9	44.9	44.9	44.9	44.9	43.6	43.6	43.6	43.6	44.9
57.5°	42.2	42.2	43.6	43.6	43.6	42.2	42.2	40.9	40.9	40.9	43.6
60°	40.9	40.9	40.9	40.9	40.9	39.6	39.6	39.6	39.6	40.9	40.9
62.5°	39.6	39.6	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
65°	38.3	38.3	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
67.5°	35.6	35.6	35.6	34.3	34.3	34.3	34.3	35.6	34.3	34.3	34.3
70°	33.0	33.0	33.0	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
72.5°	30.4	30.4	30.4	30.4	29.1	29.1	29.1	29.1	29.1	29.1	29.1
75°	27.7	26.4	26.4	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
77.5°	23.7	22.4	22.4	22.4	21.1	21.1	21.1	21.1	21.1	21.1	21.1
80°	19.8	18.5	18.5	17.2	17.2	17.2	17.2	17.2	17.2	15.9	15.9
82.5°	14.5	13.2	13.2	13.2	13.2	11.9	11.9	11.9	11.9	10.5	9.2
85°	6.6	6.6	5.3	6.6	6.6	7.9	6.6	6.6	6.6	5.3	2.7
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: P228566  
 CATALOG NUMBER: ISC-AF-600-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°	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	0°
2.5°	766.8	780.0	781.3	773.5	789.3	792.0	788.0	788.0	790.6	801.2	801.2	2.5°
5°	571.5	588.7	587.4	576.7	597.9	604.5	600.6	601.9	607.1	619.0	625.6	5°
7.5°	403.9	418.4	417.1	415.7	428.9	434.2	436.9	440.8	456.6	458.0	466.0	7.5°
10°	327.3	340.5	344.5	353.7	357.7	365.6	370.9	377.5	390.7	397.3	406.5	10°
12.5°	265.3	281.1	285.1	295.6	301.0	310.2	315.5	328.7	336.6	344.5	356.4	12.5°
15°	204.6	217.8	221.8	229.7	235.0	245.5	250.8	258.7	274.6	282.4	298.3	15°
17.5°	150.5	158.4	161.0	166.3	170.2	174.2	184.7	197.9	207.2	220.4	228.3	17.5°
20°	117.4	120.1	121.4	122.8	125.4	128.1	133.3	142.5	147.8	158.4	166.3	20°
22.5°	105.6	106.9	106.9	108.2	108.2	109.6	112.2	114.9	117.4	121.4	125.4	22.5°
25°	97.7	99.0	99.0	100.4	100.4	101.7	102.9	104.2	106.9	108.2	109.6	25°
27.5°	93.7	93.7	93.7	93.7	95.0	95.0	96.4	99.0	99.0	101.7	102.9	27.5°
30°	89.7	89.7	89.7	91.0	92.4	95.0	97.7	101.7	102.9	105.6	106.9	30°
32.5°	83.2	80.5	83.2	81.8	79.2	79.2	80.5	83.2	83.2	84.5	85.8	32.5°
35°	64.7	64.7	66.0	67.3	67.3	68.6	70.0	71.3	72.6	75.2	76.5	35°
37.5°	60.8	62.0	62.0	63.3	64.7	64.7	66.0	68.6	70.0	71.3	72.6	37.5°
40°	58.1	59.4	60.8	62.0	62.0	63.3	64.7	66.0	67.3	70.0	71.3	40°
42.5°	55.4	58.1	58.1	59.4	60.8	62.0	63.3	64.7	67.3	68.6	70.0	42.5°
45°	54.1	55.4	56.8	58.1	59.4	60.8	62.0	64.7	66.0	68.6	70.0	45°
47.5°	52.8	54.1	55.4	56.8	58.1	59.4	60.8	63.3	66.0	68.6	71.3	47.5°
50°	50.1	52.8	54.1	55.4	56.8	58.1	60.8	63.3	66.0	70.0	76.5	50°
52.5°	48.8	51.5	51.5	54.1	55.4	58.1	60.8	63.3	67.3	72.6	79.2	52.5°
55°	46.2	48.8	48.8	51.5	54.1	56.8	58.1	62.0	66.0	71.3	72.6	55°
57.5°	43.6	46.2	47.5	48.8	51.5	54.1	55.4	59.4	64.7	66.0	64.7	57.5°
60°	42.2	43.6	44.9	46.2	48.8	50.1	54.1	62.0	67.3	62.0	55.4	60°
62.5°	39.6	42.2	43.6	44.9	47.5	48.8	51.5	56.8	58.1	51.5	50.1	62.5°
65°	38.3	40.9	40.9	43.6	44.9	44.9	46.2	46.2	46.2	46.2	46.2	65°
67.5°	35.6	38.3	38.3	39.6	40.9	40.9	42.2	42.2	42.2	42.2	42.2	67.5°
70°	33.0	34.3	35.6	36.9	36.9	36.9	38.3	38.3	38.3	39.6	39.6	70°
72.5°	30.4	31.7	31.7	33.0	33.0	34.3	34.3	35.6	35.6	35.6	36.9	72.5°
75°	25.1	26.4	27.7	29.1	29.1	30.4	30.4	30.4	30.4	31.7	31.7	75°
77.5°	21.1	21.1	23.7	23.7	25.1	25.1	26.4	26.4	26.4	26.4	26.4	77.5°
80°	15.9	15.9	17.2	18.5	19.8	19.8	19.8	19.8	19.8	19.8	19.8	80°
82.5°	9.2	9.2	10.5	10.5	11.9	11.9	13.2	11.9	11.9	10.5	10.5	82.5°
85°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	1.3	1.3	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: P228566  
 NUMBER: ISC-AF-600-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°
922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	922.6	0°	922.6
820.9	820.9	823.6	834.1	836.8	843.4	842.1	854.0	859.3	890.9	923.9	2.5°	955.6
649.4	654.7	662.6	675.8	683.7	698.2	695.6	719.3	723.3	781.3	838.1	5°	904.1
484.4	492.3	498.9	513.4	525.3	539.8	543.8	571.5	579.4	656.0	735.2	7.5°	826.2
419.7	426.4	435.6	444.8	456.6	463.3	473.8	487.0	496.2	553.0	644.0	10°	748.4
373.5	382.8	392.0	405.2	417.1	428.9	439.6	452.8	464.6	510.8	582.1	12.5°	702.2
316.8	327.3	337.9	352.4	369.6	381.5	393.3	407.9	422.4	479.2	562.3	15°	683.7
245.5	257.4	271.9	291.6	310.2	324.7	336.6	356.4	374.8	443.4	553.0	17.5°	702.2
180.9	191.4	204.6	221.8	235.0	260.0	273.2	297.0	319.4	405.2	539.8	20°	737.9
133.3	139.9	150.5	163.7	178.2	200.6	215.1	236.3	261.4	369.6	539.8	22.5°	798.5
112.2	114.9	118.8	126.7	136.0	151.8	166.3	187.4	212.5	337.9	554.3	25°	897.5
104.2	105.6	108.2	112.2	117.4	125.4	136.0	153.1	178.2	312.8	575.5	27.5°	1003.1
109.6	109.6	109.6	110.9	113.5	117.4	122.8	133.3	149.1	275.9	589.9	30°	1095.5
88.4	89.7	89.7	92.4	93.7	99.0	104.2	112.2	126.7	253.4	599.2	32.5°	1161.5
79.2	80.5	81.8	83.2	85.8	87.2	92.4	101.7	116.1	238.9	597.9	35°	1239.4
75.2	76.5	77.8	77.8	79.2	81.8	85.8	95.0	112.2	233.6	597.9	37.5°	1329.1
74.0	74.0	74.0	74.0	76.5	79.2	85.8	95.0	109.6	228.3	601.9	40°	1428.1
71.3	71.3	71.3	72.6	76.5	81.8	84.5	89.7	101.7	225.7	608.5	42.5°	1517.9
71.3	71.3	72.6	77.8	79.2	79.2	80.5	84.5	96.4	225.7	621.6	45°	1587.8
74.0	76.5	77.8	76.5	75.2	75.2	75.2	80.5	92.4	229.7	646.7	47.5°	1668.3
80.5	79.2	74.0	72.6	72.6	70.0	71.3	76.5	91.0	229.7	698.2	50°	1779.2
79.2	74.0	72.6	70.0	67.3	66.0	67.3	75.2	89.7	227.0	772.1	52.5°	1941.6
71.3	70.0	66.0	63.3	62.0	63.3	66.0	72.6	87.2	224.3	863.2	55°	2138.2
62.0	60.8	58.1	58.1	59.4	60.8	64.7	70.0	80.5	217.8	935.8	57.5°	2319.0
54.1	54.1	54.1	55.4	56.8	58.1	62.0	66.0	74.0	205.9	984.6	60°	2435.1
48.8	50.1	50.1	52.8	54.1	55.4	58.1	62.0	67.3	192.7	995.2	62.5°	2436.5
46.2	47.5	48.8	48.8	50.1	51.5	55.4	59.4	67.3	182.2	930.5	65°	2340.1
43.6	43.6	44.9	46.2	47.5	48.8	51.5	58.1	68.6	172.9	789.3	67.5°	2095.9
39.6	40.9	42.2	43.6	43.6	44.9	48.8	58.1	70.0	169.0	627.0	70°	1769.9
36.9	36.9	38.3	39.6	39.6	42.2	46.2	56.8	71.3	162.3	472.5	72.5°	1380.6
31.7	33.0	33.0	33.0	34.3	36.9	42.2	51.5	62.0	134.6	319.4	75°	935.8
27.7	26.4	27.7	27.7	29.1	30.4	34.3	39.6	46.2	85.8	169.0	77.5°	595.3
19.8	18.5	18.5	19.8	19.8	19.8	22.4	23.7	26.4	52.8	93.7	80°	351.1
10.5	9.2	10.5	9.2	9.2	10.5	10.5	13.2	13.2	25.1	42.2	82.5°	217.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	9.2	85°	88.4
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



'228566  
ISC-AF-600-LED-E1-SLL

**TION (continued):**

359°	360°
922.6	922.6
971.4	979.4
937.1	947.7
863.2	877.7
794.5	809.1
757.6	765.6
740.4	756.3
765.6	781.3
815.7	840.8
904.1	935.8
1044.0	1071.7
1154.9	1198.5
1257.8	1293.5
1339.7	1380.6
1433.4	1472.9
1546.9	1601.0
1664.3	1725.1
1773.9	1841.2
1876.9	1929.7
1956.1	2015.4
2056.3	2126.3
2226.7	2276.8
2432.6	2489.2
2623.9	2672.8
2712.4	2753.3
2715.0	2766.5
2656.9	2715.0
2509.1	2598.8
2218.7	2319.0
1743.5	1858.4
1157.6	1257.8
667.9	700.8
394.7	411.8
235.0	252.1
63.3	68.6
0.0	0.0
0.0	0.0

(END OF REPORT)