

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: P271663

Luminaire Tested: **IST-AF-1000-LED-E1-SL3-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P271663  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35946)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: IST-AF-1000-LED-E1-SL3-7027  
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE  
LIGHT SQUARE WITH ACCUCLED OPTICS-TYPE III W/SPILL CONTROL  
Light Source: (16) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

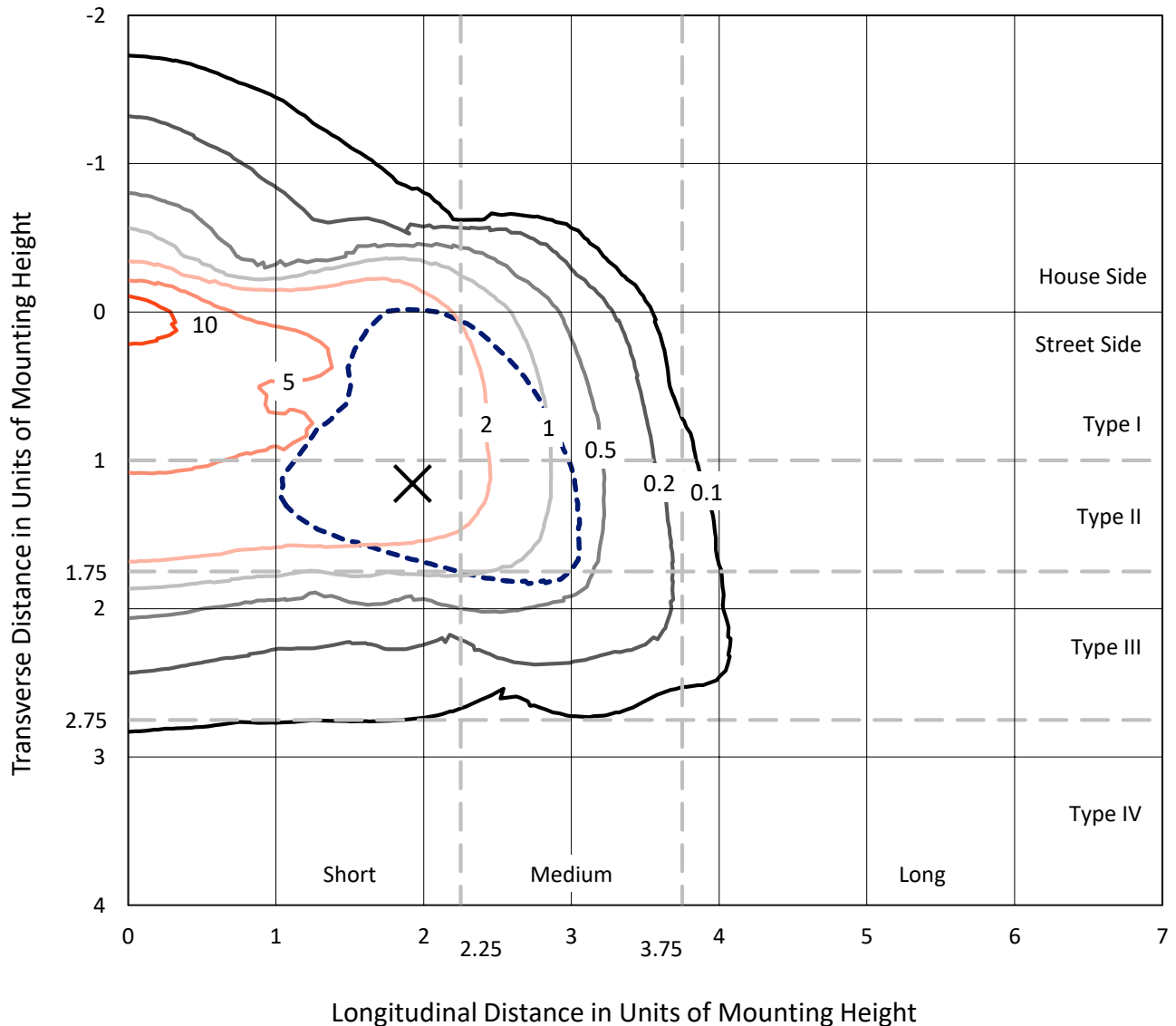
Lumens per Lamp: N/A  
Luminaire Lumens: 4980.1 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B1 - U1 - G1  
  
Input Watts (W): 54.6  
Input Voltage (V): 120  
Input Current (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



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### Iso-Footcandle Lines of Horizontal Illumination

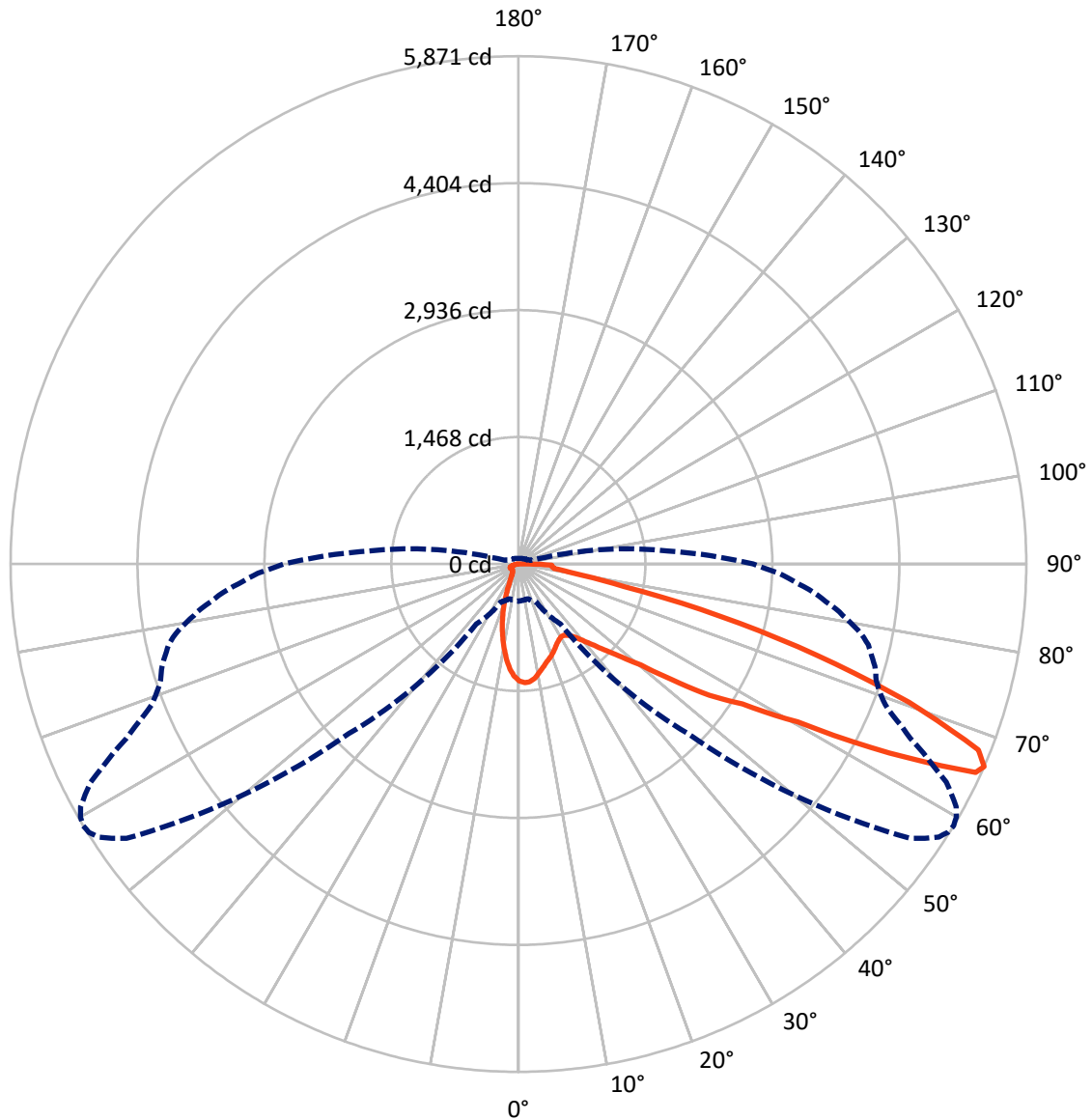
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.5 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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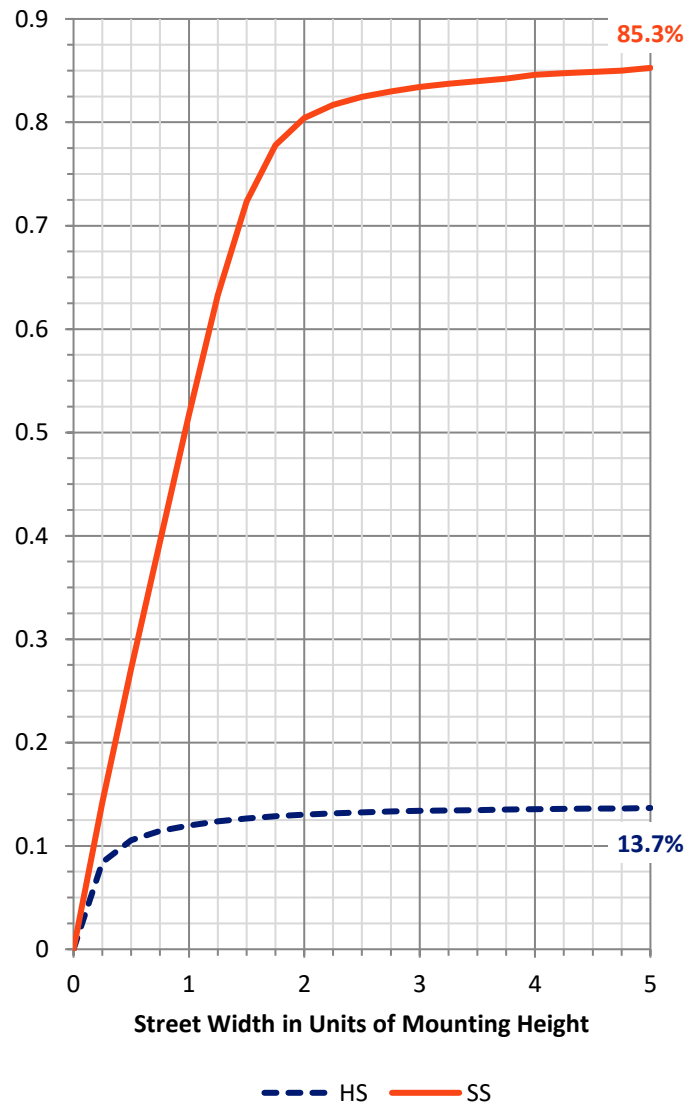
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	691.0	0.3	691.3
	% Fixture	13.9	0.0	13.9
<b>Street Side</b>	Lumens	4287.0	1.8	4288.8
	% Fixture	86.1	0.0	86.1
<b>Total</b>	Lumens	4978.0	2.1	4980.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.3	2.3
10°-20°	243.6	4.9
20°-30°	305.6	6.1
30°-40°	418.1	8.4
40°-50°	672.6	13.5
50°-60°	1168.7	23.5
60°-70°	1420.0	28.5
70°-80°	529.7	10.6
80°-90°	104.2	2.1
90°-100°	2.1	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°	4978.0	100.0
0°-180°	4980.1	100.0



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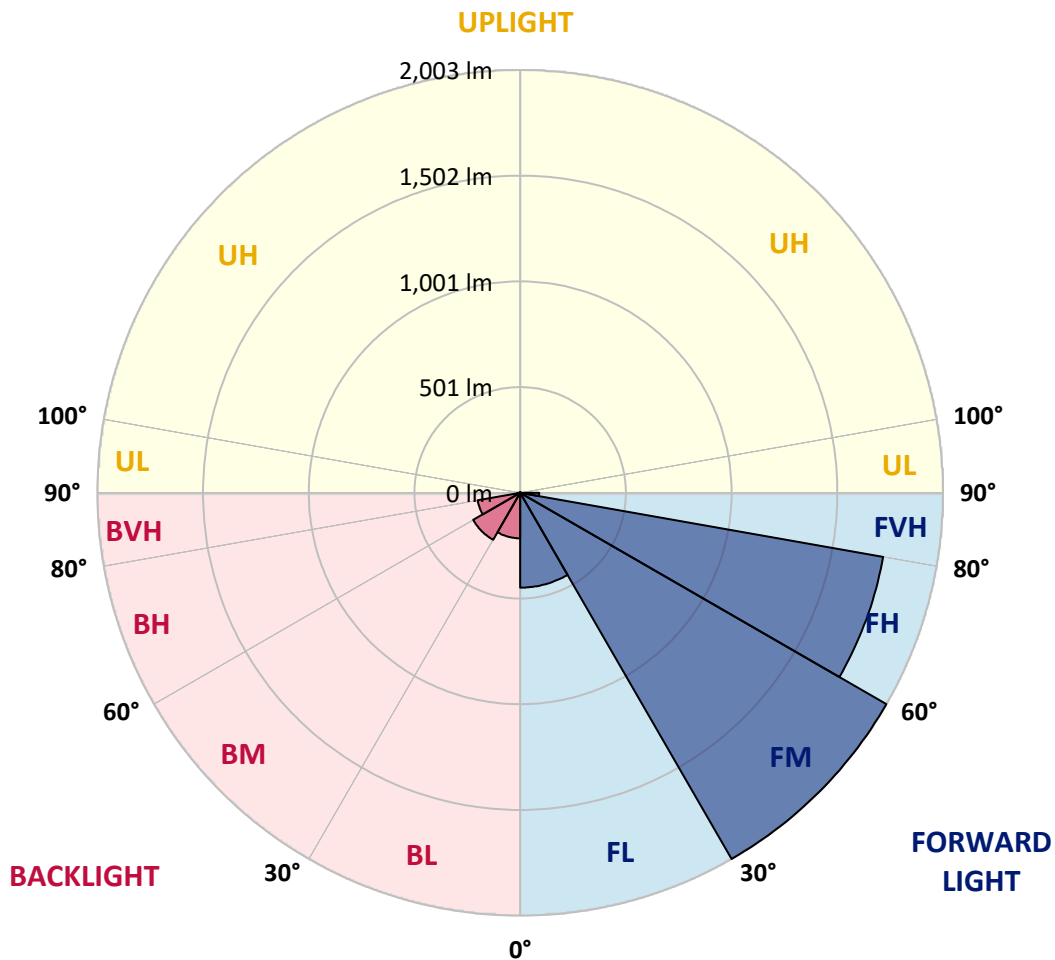
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	449.1	9.0			
FM	(30°-60°)	2002.6	40.2			
FH	(60°-80°)	1745.5	35.0			G1/1800
FVH	(80°-90°)	89.9	1.8			G1/100
BL	(0°-30°)	215.5	4.3	B1/500		
BM	(30°-60°)	256.9	5.2	B1/1000		
BH	(60°-80°)	204.3	4.1	B1/500		G1/500
BVH	(80°-90°)	14.3	0.3			G1/100
UL	(90°-100°)	2.1	0.0		U1/10	
UH	(100°-180°)	0.3	0.0		U1/10	

**BUG Rating: B1-U1-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9
2.5°	1388.2	1383.5	1391.8	1388.8	1391.1	1379.7	1377.4	1375.0	1376.7	1374.4	1374.4
5°	1355.3	1352.9	1362.9	1368.2	1372.8	1371.3	1370.5	1370.5	1371.3	1366.0	1366.7
7.5°	1259.1	1257.4	1271.2	1281.2	1303.4	1316.3	1333.1	1333.8	1335.4	1333.1	1337.7
10°	1156.7	1161.3	1173.5	1189.5	1222.3	1242.3	1274.2	1280.4	1282.7	1283.5	1284.3
12.5°	1059.0	1054.4	1069.7	1100.2	1144.5	1176.6	1217.0	1220.1	1223.9	1229.2	1234.6
15°	972.0	977.3	989.6	1021.6	1068.2	1113.2	1165.9	1169.0	1176.6	1181.1	1188.7
17.5°	912.4	912.4	926.2	956.0	999.5	1056.7	1123.2	1128.5	1134.6	1140.7	1149.1
20°	882.7	882.7	888.0	905.5	943.7	998.6	1078.9	1085.0	1095.7	1102.5	1114.0
22.5°	880.2	879.6	878.8	882.7	905.5	948.3	1031.5	1039.9	1049.1	1059.8	1069.7
25°	904.8	907.1	897.9	891.7	894.0	913.9	986.5	991.0	1008.5	1015.4	1027.8
27.5°	939.9	943.7	936.0	926.9	913.1	900.2	948.3	956.0	967.4	978.8	994.1
30°	990.3	989.6	988.8	982.7	956.0	915.5	936.8	942.2	952.1	961.3	974.2
32.5°	1044.5	1050.6	1055.1	1052.2	1024.7	956.0	952.8	957.4	966.6	972.0	980.3
35°	1114.8	1117.9	1135.4	1135.4	1107.9	1028.5	997.8	1001.7	1006.3	1008.5	1014.7
37.5°	1191.8	1202.5	1228.5	1243.7	1201.0	1118.6	1068.9	1068.9	1071.2	1072.8	1076.6
40°	1281.2	1296.4	1332.4	1361.3	1333.8	1230.8	1162.0	1169.0	1166.7	1163.6	1172.0
42.5°	1385.0	1401.9	1445.4	1472.8	1456.8	1366.0	1287.3	1282.7	1289.6	1280.4	1283.5
45°	1505.6	1518.7	1562.9	1592.0	1604.9	1531.6	1451.4	1442.3	1442.3	1422.5	1430.8
47.5°	1614.1	1617.8	1660.7	1711.8	1753.9	1755.3	1642.3	1636.3	1621.7	1608.8	1605.7
50°	1714.9	1726.4	1753.9	1809.5	1897.3	1973.7	1904.9	1885.9	1869.8	1821.8	1836.2
52.5°	1889.7	1911.9	1929.4	1963.0	2066.8	2221.8	2306.6	2276.8	2273.0	2229.4	2219.5
55°	1922.6	1924.8	1982.9	2176.8	2421.1	2532.6	2695.3	2694.5	2706.6	2692.8	2679.9
57.5°	1768.3	1750.0	1846.9	2102.8	2593.7	3166.3	3116.7	3122.0	3106.0	3064.0	3051.0
60°	1377.4	1392.6	1497.3	1823.3	2469.2	3575.5	3903.0	3806.1	3875.6	3766.4	3707.7
62.5°	775.0	757.5	828.3	1171.2	2025.6	3596.9	4974.3	4985.0	5018.7	4957.5	4813.9
65°	500.1	492.5	485.6	592.5	1214.0	3146.4	5566.8	5698.1	5776.7	5808.8	5811.0
66°	429.9	423.7	415.4	484.8	845.9	2772.3	5528.6	5669.0	5794.2	5853.9	5871.4
67.5°	365.7	356.5	355.0	401.6	588.7	2150.8	5164.4	5385.1	5495.8	5650.0	5734.0
70°	279.5	274.9	288.6	346.7	451.9	1012.4	4115.3	4403.2	4594.0	4714.7	4792.5
72.5°	234.4	232.9	252.0	316.8	428.3	574.2	2880.8	3189.9	3389.2	3504.5	3611.5
75°	183.3	184.8	209.9	302.4	426.1	500.1	1673.6	1968.4	2084.3	2266.2	2405.0
77.5°	137.4	135.9	155.8	244.2	415.4	506.9	869.6	991.8	1119.3	1211.7	1245.3
80°	96.2	97.7	111.5	167.9	323.7	521.5	542.0	570.3	597.0	626.8	632.9
82.5°	64.0	64.9	82.5	115.3	224.5	497.8	506.3	493.2	472.6	446.6	418.4
85°	39.0	40.4	58.7	77.8	174.1	450.5	523.8	489.4	458.1	423.7	389.3
87.5°	19.9	22.2	35.1	45.8	103.0	222.2	545.1	520.0	477.2	424.4	386.3
90°	5.3	5.3	7.6	11.5	20.6	45.1	137.4	123.7	61.8	117.6	58.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	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):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):**

	60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	70°
0°	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9
2.5°	1373.6	1375.0	1373.6	1371.3	1373.6	1371.3	1370.5	1369.7	1370.5	1368.9	1368.2
5°	1366.7	1368.2	1368.2	1363.6	1362.9	1366.0	1361.3	1362.9	1361.3	1359.9	1356.8
7.5°	1333.8	1334.6	1335.4	1332.4	1334.6	1334.6	1333.1	1333.1	1331.6	1332.4	1329.3
10°	1288.0	1291.1	1294.2	1292.6	1291.9	1298.7	1295.6	1298.1	1298.1	1295.6	1296.4
12.5°	1238.4	1243.7	1247.6	1247.6	1250.6	1258.3	1257.4	1259.1	1265.2	1265.2	1262.8
15°	1192.6	1198.0	1204.1	1208.6	1214.8	1220.1	1223.9	1230.0	1233.0	1233.0	1236.9
17.5°	1156.7	1164.3	1171.2	1173.5	1181.9	1191.2	1193.4	1201.0	1205.5	1208.0	1212.4
20°	1121.6	1130.0	1138.4	1146.1	1153.6	1164.3	1169.8	1174.3	1181.9	1186.5	1193.4
22.5°	1080.4	1093.3	1104.1	1113.2	1126.1	1135.4	1146.1	1153.6	1162.9	1169.8	1175.1
25°	1041.5	1059.0	1073.6	1082.6	1100.2	1113.2	1126.1	1137.6	1149.1	1159.0	1166.7
27.5°	1005.6	1025.3	1042.9	1057.5	1076.6	1097.2	1110.1	1129.2	1144.5	1158.3	1167.3
30°	988.0	1004.8	1023.1	1039.9	1059.0	1085.0	1106.4	1130.8	1149.8	1167.3	1181.1
32.5°	991.8	1007.1	1023.1	1037.6	1057.5	1086.5	1108.6	1136.9	1165.1	1188.0	1205.5
35°	1022.3	1036.0	1046.7	1059.8	1077.2	1099.4	1123.2	1153.0	1188.0	1218.6	1241.5
37.5°	1086.5	1090.4	1101.1	1110.9	1120.1	1140.7	1162.9	1188.0	1228.5	1260.5	1292.6
40°	1165.9	1175.8	1185.8	1190.3	1201.0	1214.0	1223.9	1250.6	1286.6	1328.5	1363.6
42.5°	1284.3	1288.0	1289.6	1291.1	1294.9	1304.1	1318.6	1343.1	1378.1	1415.5	1454.4
45°	1417.1	1421.7	1426.3	1428.6	1423.2	1428.6	1443.8	1455.3	1489.6	1524.7	1574.4
47.5°	1601.0	1587.3	1580.5	1589.6	1585.1	1596.5	1603.4	1610.2	1651.4	1693.5	1735.4
50°	1837.0	1828.6	1817.9	1818.7	1827.2	1819.4	1824.0	1849.3	1862.9	1898.1	1953.8
52.5°	2214.2	2188.2	2147.8	2130.2	2140.1	2134.0	2136.3	2141.6	2132.5	2165.4	2212.6
55°	2679.9	2646.4	2619.5	2604.4	2547.9	2543.2	2505.8	2492.1	2462.3	2493.7	2482.9
57.5°	3012.1	2990.6	2976.9	2931.1	2905.2	2853.3	2837.9	2819.7	2778.4	2799.0	2817.4
60°	3653.4	3577.1	3551.1	3470.9	3444.2	3394.5	3331.3	3299.9	3278.5	3298.4	3286.2
62.5°	4723.8	4617.7	4597.1	4406.9	4360.5	4245.9	4126.7	4110.7	4043.6	4001.6	3991.7
65°	5769.2	5617.1	5503.4	5295.7	5155.2	4991.8	4810.2	4677.3	4540.7	4471.9	4381.0
66°	5847.0	5786.6	5672.2	5550.8	5346.2	5167.5	4961.2	4817.8	4664.3	4543.6	4465.7
67.5°	5714.1	5682.0	5641.5	5559.1	5430.8	5264.3	5069.0	4885.7	4700.9	4559.0	4434.6
70°	4830.0	4865.1	4910.9	4889.6	4816.3	4751.3	4578.8	4476.4	4337.6	4151.2	4074.9
72.5°	3645.8	3739.6	3707.7	3587.0	3530.5	3485.4	3422.8	3354.1	3154.8	3131.9	3041.8
75°	2345.6	2314.2	2334.9	2188.2	2088.2	2047.0	1898.1	1837.0	1687.4	1590.4	1516.2
77.5°	1236.2	1175.1	1127.7	998.6	906.3	852.1	779.5	694.0	562.7	555.1	435.2
80°	573.4	526.9	484.1	439.0	394.0	334.3	290.2	236.7	209.1	179.4	167.3
82.5°	389.3	359.6	333.7	303.9	269.5	228.3	197.0	167.3	142.8	128.3	116.8
85°	352.8	320.7	291.7	254.2	218.4	184.1	150.4	124.4	101.6	88.6	80.9
87.5°	342.8	303.1	272.5	232.1	197.0	161.9	129.7	100.8	78.6	64.0	55.0
90°	43.5	46.6	33.6	32.1	13.7	17.6	12.9	7.6	8.4	6.1	6.8
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P271663

CATALOG NUMBER: IST-AF-1000-LED-E1-SL3-7027

**CANDELA DISTRIBUTION (continued):**

	60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	70°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P271663

CATALOG NUMBER: IST-AF-1000-LED-E1-SL3-7027

**CANDELA DISTRIBUTION (continued):**

	71°	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°
0°	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9
2.5°	1366.7	1364.3	1366.7	1366.0	1362.9	1363.6	1364.3	1361.3	1359.9	1359.9	1359.0
5°	1354.5	1352.9	1354.5	1353.7	1349.2	1348.4	1348.4	1346.1	1343.1	1340.7	1339.2
7.5°	1325.4	1327.0	1326.2	1323.9	1321.7	1321.7	1319.3	1314.0	1311.0	1307.9	1304.9
10°	1292.6	1292.6	1293.4	1292.6	1288.8	1287.3	1284.3	1281.2	1281.9	1274.2	1268.1
12.5°	1263.6	1263.6	1262.8	1261.3	1259.1	1258.3	1258.3	1249.1	1246.8	1244.5	1237.7
15°	1236.2	1237.7	1237.7	1237.7	1233.8	1233.8	1230.0	1223.9	1223.9	1217.0	1210.2
17.5°	1214.8	1217.0	1216.2	1217.0	1217.8	1213.3	1206.3	1202.5	1198.0	1194.2	1185.0
20°	1196.5	1198.0	1198.7	1198.7	1196.5	1193.4	1187.3	1181.1	1178.0	1170.4	1159.0
22.5°	1179.7	1182.7	1183.4	1183.4	1180.5	1178.0	1172.0	1162.9	1156.7	1147.6	1136.9
25°	1172.7	1176.6	1174.3	1175.8	1172.7	1167.3	1159.0	1151.4	1142.3	1130.8	1119.3
27.5°	1175.1	1180.5	1178.8	1178.0	1174.3	1170.4	1159.8	1150.5	1139.9	1126.1	1111.7
30°	1188.7	1198.0	1194.2	1191.2	1190.3	1181.1	1171.2	1158.3	1146.1	1130.0	1113.2
32.5°	1214.8	1219.3	1220.1	1217.8	1214.0	1206.3	1192.6	1175.8	1162.0	1142.9	1123.2
35°	1257.4	1262.1	1260.5	1260.5	1256.8	1244.5	1227.7	1210.9	1191.8	1170.4	1149.8
37.5°	1317.1	1325.4	1323.9	1320.9	1316.3	1301.8	1288.8	1268.1	1246.8	1218.6	1194.8
40°	1391.8	1404.9	1416.3	1414.0	1403.3	1390.4	1378.1	1354.5	1333.1	1301.8	1275.9
42.5°	1492.6	1510.2	1524.7	1535.5	1530.8	1514.0	1492.6	1482.7	1452.2	1420.1	1393.5
45°	1621.7	1658.3	1671.4	1684.3	1684.3	1673.6	1669.1	1649.2	1617.1	1574.4	1549.1
47.5°	1792.0	1840.9	1855.3	1877.5	1890.4	1879.1	1870.6	1837.0	1815.7	1756.8	1750.8
50°	1998.9	2047.8	2087.4	2113.4	2109.6	2119.6	2099.7	2080.6	2050.8	2002.7	1986.0
52.5°	2263.1	2302.0	2337.9	2353.1	2369.2	2366.9	2362.4	2349.3	2311.9	2286.0	2243.2
55°	2534.1	2566.2	2609.7	2634.9	2655.5	2651.7	2634.1	2602.7	2609.7	2555.5	2531.9
57.5°	2842.6	2877.7	2925.0	2948.7	2957.8	3004.4	2993.0	2989.2	2976.2	2957.1	2932.7
60°	3373.1	3383.2	3422.0	3481.7	3555.0	3540.4	3558.7	3570.9	3580.1	3537.3	3534.3
62.5°	4005.5	4017.6	4051.2	4063.4	4074.2	4075.6	4051.2	4051.2	4009.2	3954.2	3911.5
65°	4350.5	4325.2	4302.4	4289.4	4261.2	4236.0	4199.4	4149.7	4078.7	3994.0	3917.6
66°	4400.1	4349.0	4319.2	4286.4	4241.3	4194.7	4151.2	4083.2	4000.1	3899.3	3798.4
67.5°	4352.0	4281.8	4212.3	4164.3	4101.6	4017.6	3941.2	3861.8	3783.2	3645.1	3551.1
70°	3912.9	3829.0	3752.7	3647.3	3548.0	3465.6	3334.3	3196.1	3082.4	2937.3	2844.8
72.5°	2905.9	2806.7	2707.4	2559.3	2415.0	2393.6	2228.7	2066.0	1979.1	1862.2	1768.3
75°	1435.4	1310.2	1132.3	1052.8	937.7	881.1	849.8	732.2	703.9	588.7	587.1
77.5°	405.5	348.1	309.3	269.5	252.7	240.5	198.5	190.1	172.6	169.5	159.6
80°	153.5	145.1	141.2	137.4	133.6	131.3	129.7	123.7	120.6	116.0	113.7
82.5°	110.7	107.7	100.8	98.5	95.4	90.9	90.1	86.2	84.0	79.4	77.8
85°	74.8	71.0	67.2	63.4	61.8	61.1	58.7	57.2	55.8	53.4	52.7
87.5°	50.3	46.6	42.0	40.4	39.7	40.4	41.2	39.7	39.0	37.4	36.7
90°	6.1	8.4	7.6	7.6	9.2	7.6	7.6	8.4	7.6	7.6	6.8
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P271663  
 CATALOG NUMBER: IST-AF-1000-LED-E1-SL3-7027

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	71°	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°



NUMBER: P271663  
 NUMBER: IST-AF-1000-LED-E1-SL3-7027

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

82°	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	110°	82°	
1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	110°	0.0
1357.5	1355.3	1356.0	1352.9	1352.2	1353.7	1354.5	1354.5	1352.2	1338.5	1322.5	1322.5	112.5°	0.0
1337.7	1333.1	1332.4	1330.0	1326.2	1330.7	1328.5	1324.7	1320.1	1304.1	1272.8	1272.8	115°	0.0
1301.0	1298.1	1294.2	1291.1	1288.8	1287.3	1286.6	1282.7	1274.2	1244.5	1191.8	1191.8	117.5°	0.0
1265.9	1262.1	1257.4	1250.6	1247.6	1243.1	1243.1	1233.8	1227.7	1190.3	1112.4	1112.4	120°	0.0
1231.6	1224.7	1222.3	1217.8	1209.4	1205.5	1200.2	1191.2	1181.9	1136.9	1034.6	1034.6	122.5°	0.0
1205.5	1198.7	1188.7	1185.8	1176.6	1168.2	1161.3	1149.1	1139.2	1079.7	952.8	952.8	125°	0.0
1177.4	1172.0	1161.3	1154.4	1144.5	1134.6	1123.2	1107.9	1101.1	1025.3	874.9	874.9	127.5°	0.0
1154.4	1142.3	1130.0	1123.9	1111.7	1100.2	1088.7	1070.4	1056.7	972.0	792.6	792.6	130°	0.0
1127.7	1117.0	1104.1	1093.3	1076.6	1063.5	1050.6	1031.5	1014.7	917.8	709.3	709.3	132.5°	0.0
1109.4	1094.1	1080.4	1068.2	1049.1	1033.8	1015.4	994.9	978.1	865.9	617.7	617.7	135°	0.0
1098.6	1083.4	1065.9	1050.6	1028.5	1011.0	991.0	968.1	946.7	823.8	531.3	531.3	137.5°	0.0
1095.7	1077.2	1059.0	1039.9	1017.0	994.9	971.2	948.3	920.9	783.3	437.5	437.5	140°	0.0
1104.7	1082.6	1062.1	1039.1	1012.4	987.1	963.5	933.8	906.3	748.3	345.1	345.1	142.5°	0.0
1130.0	1103.3	1079.7	1054.4	1023.9	996.4	968.1	934.6	904.1	723.9	264.2	264.2	145°	0.0
1169.8	1144.5	1117.0	1091.8	1056.7	1026.1	994.9	959.0	922.3	714.0	199.2	199.2	147.5°	0.0
1249.9	1216.2	1188.0	1161.3	1120.8	1089.6	1053.6	1010.1	968.9	723.0	166.5	166.5	150°	0.0
1362.1	1320.1	1294.2	1270.6	1220.1	1185.8	1144.5	1094.9	1048.3	749.0	146.6	146.6	152.5°	0.0
1517.1	1485.1	1438.5	1401.9	1350.6	1312.4	1266.7	1207.1	1155.2	785.7	136.6	136.6	155°	0.0
1711.0	1669.1	1623.2	1585.8	1530.0	1463.7	1415.5	1343.8	1284.9	842.9	132.1	132.1	157.5°	0.0
1948.4	1898.1	1836.2	1805.0	1727.8	1675.9	1611.8	1534.7	1459.8	931.5	134.4	134.4	160°	0.0
2206.6	2152.4	2104.2	2044.7	1974.5	1916.4	1855.3	1773.6	1679.7	1099.4	143.5	143.5	162.5°	0.0
2479.1	2444.0	2398.1	2321.1	2283.0	2209.7	2131.7	2041.7	1973.7	1317.8	165.6	165.6	165°	0.0
2876.1	2837.9	2832.6	2757.1	2699.0	2632.7	2571.5	2496.7	2416.5	1705.7	217.6	217.6	167.5°	0.0
3487.0	3447.2	3402.2	3343.4	3274.7	3192.3	3116.7	3015.9	2926.6	2094.3	242.0	242.0	170°	0.0
3848.9	3775.6	3694.5	3605.3	3505.3	3403.0	3301.5	3172.5	3042.6	2117.9	218.4	218.4	172.5°	0.0
3818.3	3727.4	3624.4	3503.0	3397.6	3271.6	3162.4	2996.0	2877.7	1885.9	178.0	178.0	175°	0.0
3705.3	3580.8	3483.9	3372.5	3240.4	3127.4	3012.1	2847.9	2712.7	1729.3	162.6	162.6	177.5°	0.0
3416.0	3309.9	3175.5	3068.6	2970.9	2835.7	2727.3	2573.8	2480.7	1499.5	145.9	145.9	180°	0.0
2730.3	2583.7	2470.0	2386.8	2276.0	2153.9	2057.7	1928.6	1846.2	992.5	126.0	126.0		
1590.4	1553.8	1426.3	1354.5	1287.3	1188.0	1111.7	1049.8	941.4	481.0	111.5	111.5		
490.1	455.8	451.2	383.3	405.5	346.7	337.4	307.0	307.0	184.8	87.9	87.9		
156.6	153.5	147.3	139.0	135.9	135.9	132.1	131.3	125.2	99.3	65.7	65.7		
110.7	108.4	106.1	103.8	102.2	103.0	100.0	98.5	96.9	71.8	51.9	51.9		
76.4	74.1	69.5	69.5	67.9	67.2	67.9	64.9	64.0	50.3	43.5	43.5		
51.9	51.1	50.3	49.7	48.9	48.1	47.3	45.1	43.5	35.1	30.5	30.5		
34.3	29.0	28.3	24.4	23.6	22.9	21.4	22.9	25.2	25.2	19.9	19.9		
7.6	6.8	7.6	7.6	6.1	6.8	6.8	5.3	5.3	7.6	6.8	6.8		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'271663  
 IST-AF-1000-LED-E1-SL3-7027

REPORT NUMBER: P271663  
 CATALOG NUMBER: IST-AF-10

**TION (continued):**

**CANDELA DISTRIBUTION (con**

83°	84°	85°	86°	87°	88°	89°	90°	95°	105°		115°	125°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	1352.9	1352.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1308.7	1296.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	1239.2	1211.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	1145.2	1091.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	1037.6	960.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	926.2	827.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	822.3	691.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	713.2	552.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	608.5	416.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	490.1	292.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	359.6	212.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	256.6	169.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	191.7	142.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	153.5	123.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	130.5	112.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	116.8	104.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	109.1	100.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	104.7	96.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	102.2	94.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	100.8	91.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	99.3	91.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	100.0	93.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	103.8	93.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	110.0	93.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	114.5	94.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	116.0	97.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	114.5	99.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66°	113.0	99.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	110.7	97.7
										70°	105.4	91.6
										72.5°	94.7	82.5
										75°	80.9	66.5
										77.5°	65.7	53.4
										80°	48.9	40.4
										82.5°	35.9	31.4
										85°	25.2	22.2
										87.5°	15.3	13.7
										90°	3.9	3.9
										92.5°	0.0	0.0
										95°	0.0	0.0
										97.5°	0.0	0.0
										100°	0.0	0.0
										102.5°	0.0	0.0
										105°	0.0	0.0
										107.5°	0.0	0.0



REPORT NUMBER: P271663

CATALOG NUMBER: IST-AF-1000-LED-E1

00-LED-E1-SL3-7027

**tinued):**

135°	145°	155°	165°	175°	180°
1352.9	1352.9	1352.9	1352.9	1352.9	1352.9
1288.0	1287.3	1268.1	1264.4	1251.4	1258.3
1178.8	1165.9	1131.5	1124.7	1110.1	1106.4
1048.3	1012.4	984.9	954.4	925.3	939.9
895.6	835.2	775.0	735.3	719.3	714.0
750.5	642.1	566.5	488.7	461.2	471.1
574.9	451.2	350.5	305.4	279.5	274.9
405.5	289.3	242.8	231.3	226.0	226.0
274.9	220.6	203.1	197.8	197.8	198.5
209.1	185.5	178.0	178.7	181.6	182.4
173.4	164.2	160.3	165.6	171.8	172.6
149.7	147.3	148.1	155.0	161.1	161.9
131.3	133.6	136.6	142.8	148.1	149.7
118.4	122.2	124.4	128.3	131.3	132.1
109.1	113.7	113.0	115.3	117.6	118.4
103.8	106.1	103.8	105.4	105.4	106.9
99.3	100.0	96.2	96.9	98.5	98.5
94.7	94.0	90.1	91.6	94.0	94.7
90.1	88.6	85.5	88.6	92.3	93.2
86.2	84.7	83.3	87.0	91.6	92.3
84.7	83.3	81.7	87.0	91.6	92.3
84.7	83.3	81.7	85.5	90.1	90.9
85.5	84.0	80.9	84.7	87.9	88.6
86.2	84.7	79.4	81.7	83.3	84.0
86.2	83.3	77.8	78.6	78.6	79.4
84.7	80.9	74.8	74.8	74.1	74.1
84.7	77.8	71.8	70.2	68.7	68.7
84.0	77.2	71.0	68.7	66.5	66.5
82.5	75.5	69.5	66.5	64.0	64.0
77.2	72.5	65.7	62.6	60.4	59.6
68.7	66.5	61.1	58.7	56.5	55.8
58.0	58.7	55.8	54.2	51.9	51.1
48.9	50.3	48.9	48.1	46.6	45.8
39.0	42.0	40.4	40.4	41.2	39.7
29.7	33.6	32.1	33.6	35.1	32.9
20.6	24.4	24.4	25.2	25.9	24.4
12.9	16.0	15.3	16.0	16.0	15.3
3.1	5.3	3.1	4.6	3.9	3.1
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0

**CANDELA DISTRIBUTION (continued):**

	115°	125°	135°
110°	0.0	0.0	0.0
112.5°	0.0	0.0	0.0
115°	0.0	0.0	0.0
117.5°	0.0	0.0	0.0
120°	0.0	0.0	0.0
122.5°	0.0	0.0	0.0
125°	0.0	0.0	0.0
127.5°	0.0	0.0	0.0
130°	0.0	0.0	0.0
132.5°	0.0	0.0	0.0
135°	0.0	0.0	0.0
137.5°	0.0	0.0	0.0
140°	0.0	0.0	0.0
142.5°	0.0	0.0	0.0
145°	0.0	0.0	0.0
147.5°	0.0	0.0	0.0
150°	0.0	0.0	0.0
152.5°	0.0	0.0	0.0
155°	0.0	0.0	0.0
157.5°	0.0	0.0	0.0
160°	0.0	0.0	0.0
162.5°	0.0	0.0	0.0
165°	0.0	0.0	0.0
167.5°	0.0	0.0	0.0
170°	0.0	0.0	0.0
172.5°	0.0	0.0	0.0
175°	0.0	0.0	0.0
177.5°	0.0	0.0	0.0
180°	0.0	0.0	0.0



-SL3-7027

145°	155°	165°	175°	180°
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

(END OF REPORT)