

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: P271673

Luminaire Tested: **IST-AF-1200-LED-E1-SL3-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271673
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-1200-LED-E1-SL3-7027
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED 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: 5667.2 lumens
Efficiency: N/A
Efficacy: 85.9 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 - G2

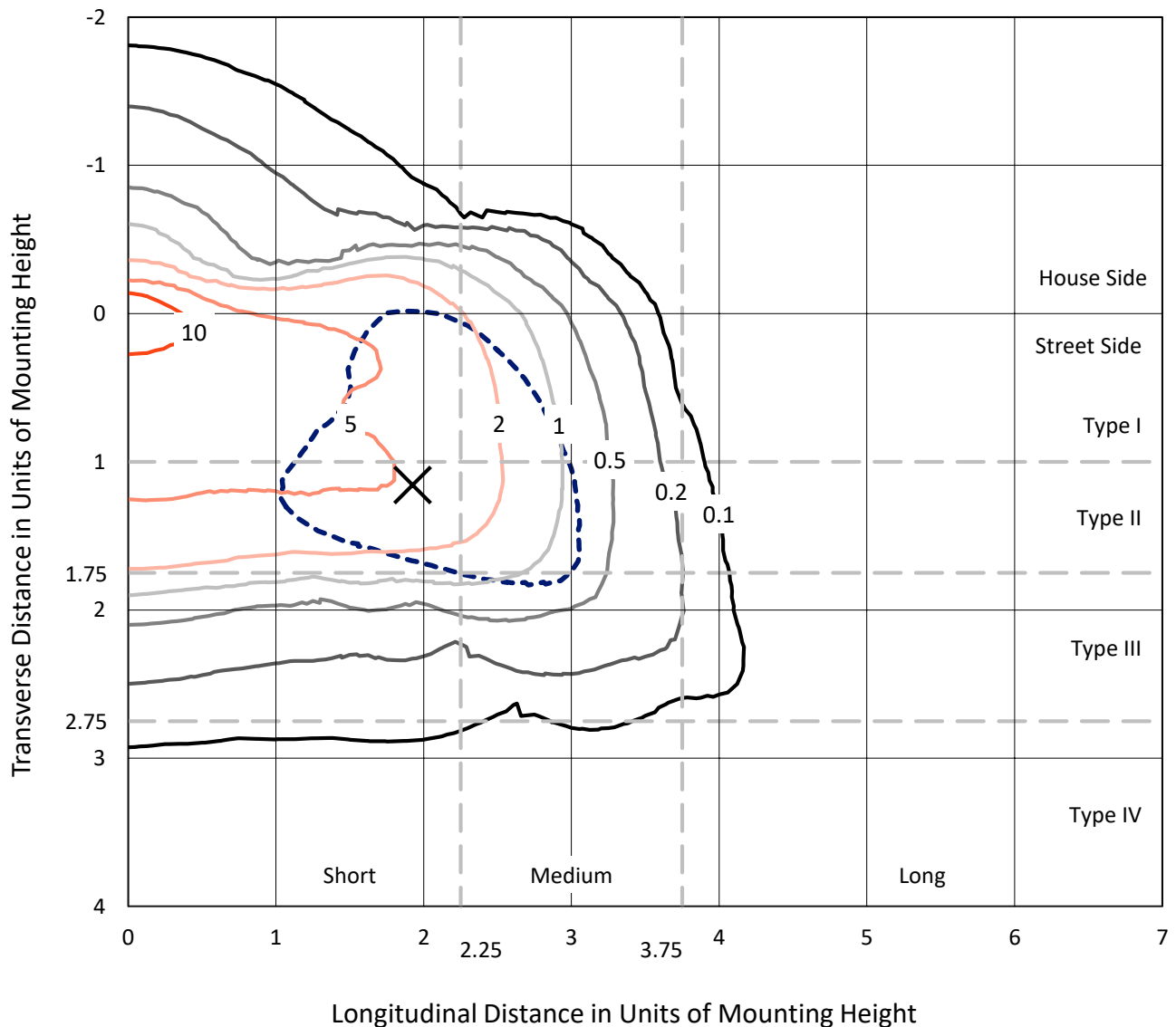
Input Watts (W): 66
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P271673
 CATALOG NUMBER: IST-AF-1200-LED-E1-SL3-7027

Iso-Footcandle Lines of Horizontal Illumination

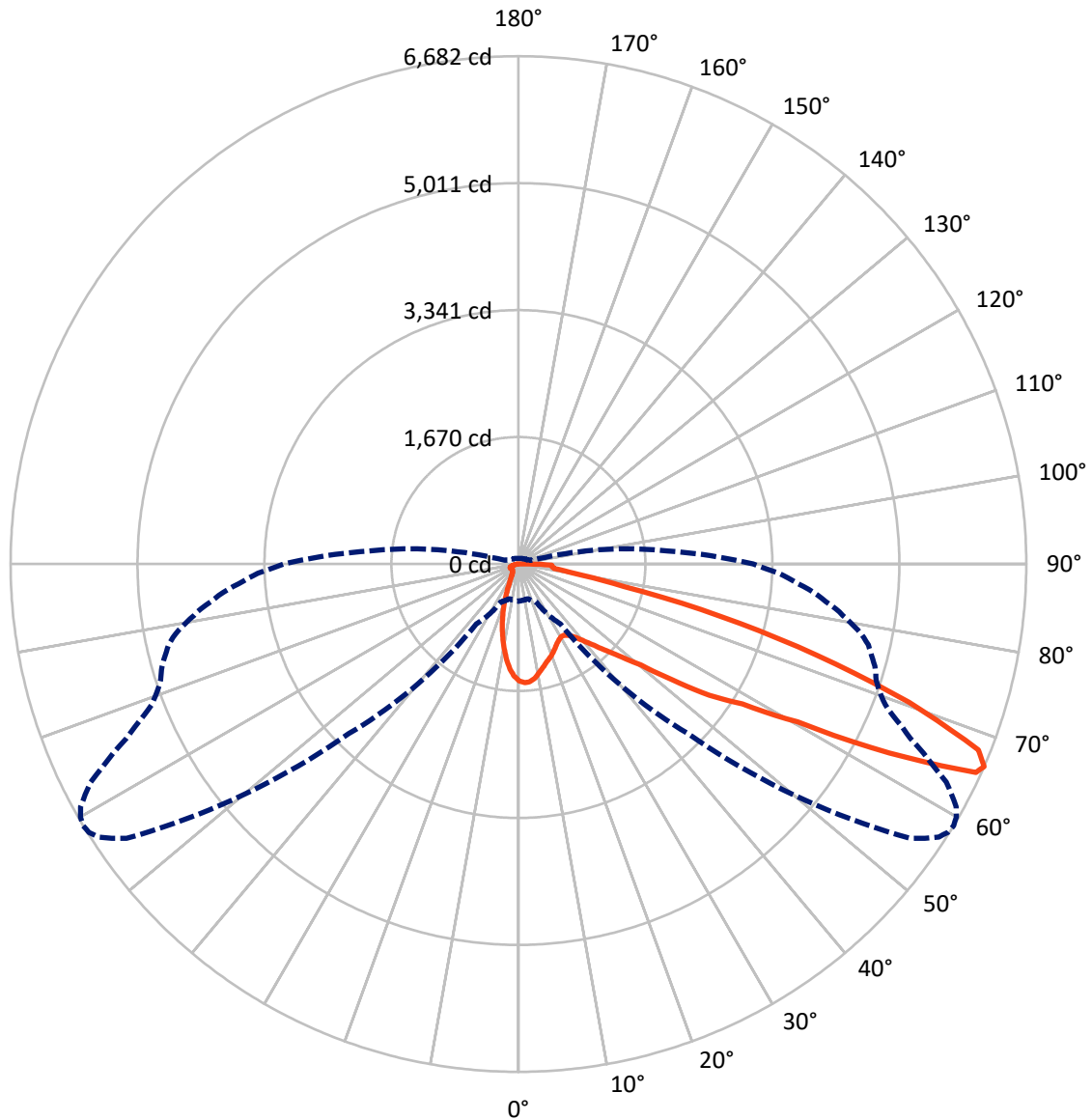
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.4 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P271673
CATALOG NUMBER: IST-AF-1200-LED-E1-SL3-7027

Luminous Intensity Polar Plot



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

REPORT NUMBER: P271673
 CATALOG NUMBER: IST-AF-1200-LED-E1-SL3-7027

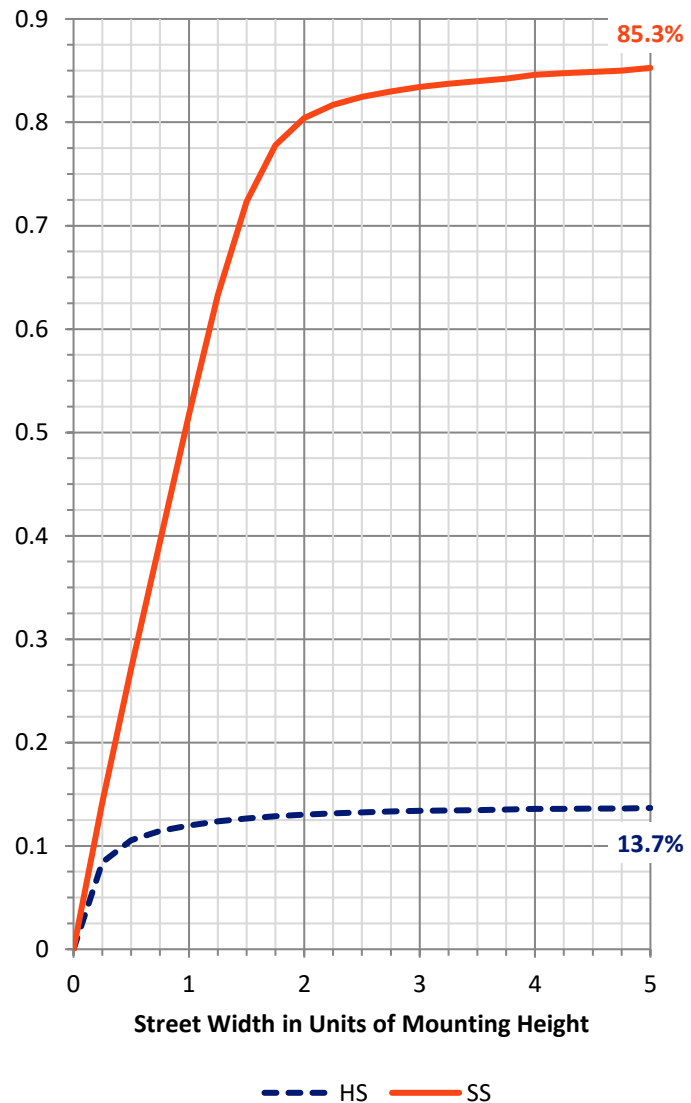
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	786.3	0.4	786.6
	% Fixture	13.9	0.0	13.9
Street Side	Lumens	4878.5	2.1	4880.6
	% Fixture	86.1	0.0	86.1
Total	Lumens	5664.8	2.4	5667.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.2	2.3
10°-20°	277.2	4.9
20°-30°	347.8	6.1
30°-40°	475.8	8.4
40°-50°	765.4	13.5
50°-60°	1330.0	23.5
60°-70°	1616.0	28.5
70°-80°	602.8	10.6
80°-90°	118.6	2.1
90°-100°	2.4	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°	5664.8	100.0
0°-180°	5667.2	100.0



REPORT NUMBER: P271673

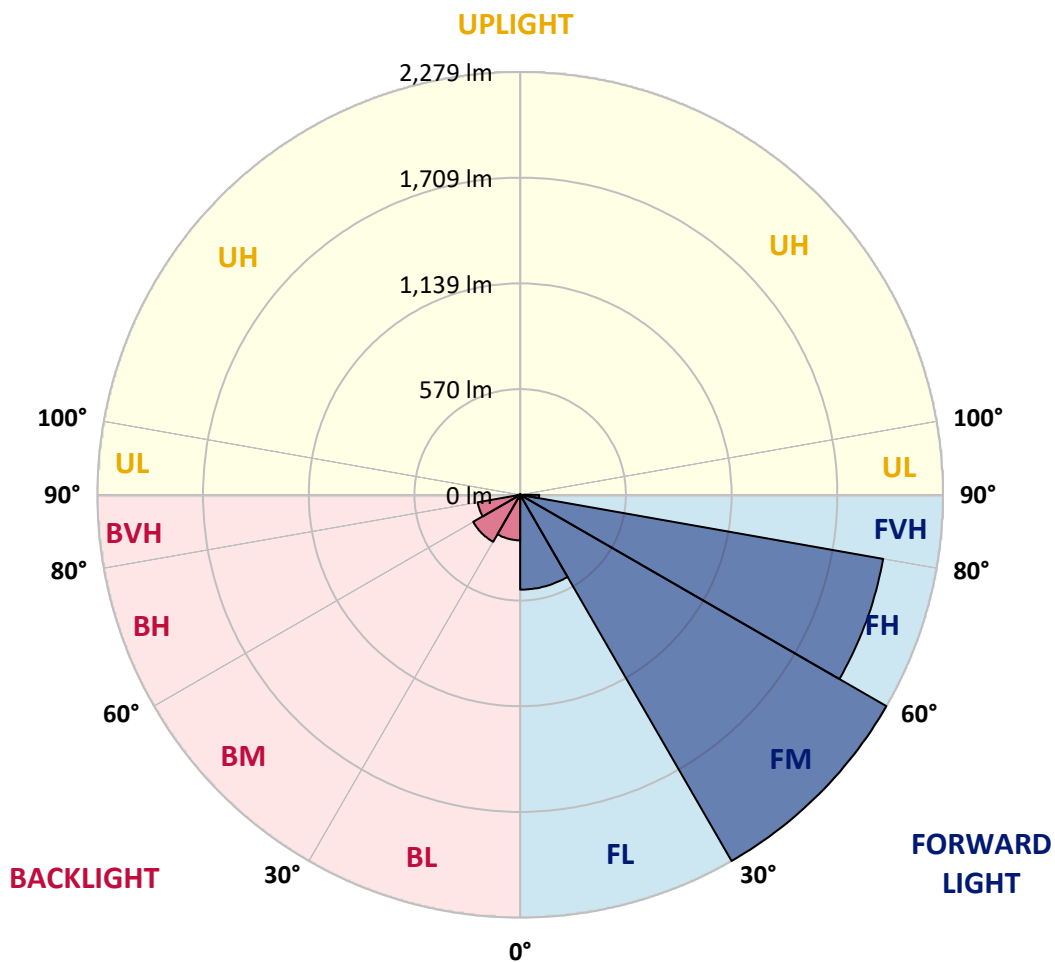
CATALOG NUMBER: IST-AF-1200-LED-E1-SL3-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	511.1	9.0			
FM	(30°-60°)	2278.9	40.2			
FH	(60°-80°)	1986.3	35.0			G2/5000
FVH	(80°-90°)	102.3	1.8			G2/225
BL	(0°-30°)	245.2	4.3	B1/500		
BM	(30°-60°)	292.3	5.2	B1/1000		
BH	(60°-80°)	232.5	4.1	B1/500		G1/500
BVH	(80°-90°)	16.3	0.3			G1/100
UL	(90°-100°)	2.4	0.0		U1/10	
UH	(100°-180°)	0.4	0.0		U1/10	

BUG Rating: B1-U1-G2

Type II Short





REPORT NUMBER: P271673
 CATALOG NUMBER: IST-AF-1200-LED-E1-SL3-7027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7
2.5°	1579.6	1574.4	1583.9	1580.5	1583.0	1570.1	1567.5	1564.8	1566.6	1563.9	1563.9
5°	1542.2	1539.7	1550.9	1557.0	1562.2	1560.4	1559.5	1559.5	1560.4	1554.3	1555.2
7.5°	1432.8	1431.0	1446.6	1457.9	1483.1	1497.9	1517.1	1517.9	1519.7	1517.1	1522.3
10°	1316.4	1321.6	1335.4	1353.7	1391.0	1413.7	1450.1	1457.1	1459.7	1460.6	1461.5
12.5°	1205.1	1199.9	1217.2	1252.0	1302.5	1338.9	1385.0	1388.4	1392.8	1398.9	1404.9
15°	1106.0	1112.1	1126.0	1162.6	1215.6	1266.8	1326.8	1330.2	1338.9	1344.1	1352.8
17.5°	1038.4	1038.4	1053.9	1087.8	1137.3	1202.5	1278.1	1284.1	1291.1	1298.1	1307.7
20°	1004.5	1004.5	1010.4	1030.4	1073.9	1136.4	1227.7	1234.6	1246.8	1254.7	1267.7
22.5°	1001.8	1000.9	1000.0	1004.5	1030.4	1079.1	1173.8	1183.3	1193.8	1206.0	1217.2
25°	1029.5	1032.2	1021.8	1014.8	1017.4	1040.0	1122.5	1127.8	1147.8	1155.6	1169.5
27.5°	1069.5	1073.9	1065.2	1054.8	1039.2	1024.3	1079.1	1087.8	1100.9	1113.9	1131.2
30°	1126.9	1126.0	1125.1	1118.2	1087.8	1041.8	1066.1	1072.1	1083.4	1093.9	1108.7
32.5°	1188.5	1195.6	1200.8	1197.4	1166.0	1087.8	1084.3	1089.6	1100.0	1106.0	1115.7
35°	1268.6	1272.0	1292.0	1292.0	1260.7	1170.3	1135.5	1139.9	1145.2	1147.8	1154.7
37.5°	1356.4	1368.5	1398.0	1415.4	1366.7	1272.9	1216.5	1216.5	1219.0	1220.8	1225.1
40°	1457.9	1475.4	1516.2	1549.1	1517.9	1400.5	1322.5	1330.2	1327.7	1324.1	1333.7
42.5°	1576.1	1595.2	1644.8	1676.1	1657.8	1554.3	1464.9	1459.7	1467.5	1457.1	1460.6
45°	1713.3	1728.2	1778.6	1811.6	1826.3	1742.9	1651.7	1641.2	1641.2	1618.7	1628.3
47.5°	1836.8	1841.2	1889.8	1948.0	1995.8	1997.5	1868.9	1862.0	1845.5	1830.7	1827.2
50°	1951.5	1964.5	1995.8	2059.2	2159.2	2246.0	2167.8	2146.1	2127.8	2073.1	2089.5
52.5°	2150.5	2175.7	2195.5	2233.8	2352.0	2528.4	2624.8	2590.9	2586.6	2537.0	2525.8
55°	2187.8	2190.3	2256.5	2477.2	2755.1	2882.0	3067.0	3066.3	3080.1	3064.5	3049.7
57.5°	2012.2	1991.5	2101.8	2392.8	2951.5	3603.1	3546.7	3552.8	3534.5	3486.7	3471.9
60°	1567.5	1584.8	1703.8	2074.8	2809.9	4068.9	4441.6	4331.3	4410.3	4286.2	4219.2
62.5°	881.9	861.9	942.7	1332.8	2305.1	4093.1	5660.6	5672.8	5711.1	5641.4	5478.1
65°	569.1	560.5	552.5	674.3	1381.5	3580.6	6334.8	6484.2	6573.8	6610.3	6613.0
66°	489.1	482.2	472.7	551.6	962.7	3154.8	6291.4	6451.3	6593.8	6661.5	6681.5
67.5°	416.2	405.8	404.0	457.0	669.9	2447.6	5877.0	6128.1	6254.1	6429.6	6525.2
70°	318.0	312.8	328.4	394.4	514.4	1152.1	4683.1	5010.7	5228.0	5365.1	5453.8
72.5°	266.8	265.0	286.6	360.6	487.4	653.3	3278.3	3630.1	3856.9	3988.0	4109.7
75°	208.6	210.2	238.9	344.1	484.8	569.1	1904.6	2239.9	2372.0	2578.8	2736.9
77.5°	156.3	154.7	177.2	278.0	472.7	576.9	989.7	1128.6	1273.8	1378.9	1417.1
80°	109.4	111.2	126.8	191.2	368.3	593.4	616.9	649.0	679.5	713.3	720.4
82.5°	73.0	73.8	93.9	131.2	255.5	566.5	576.0	561.4	537.8	508.4	476.1
85°	44.3	46.0	66.9	88.7	198.1	512.7	596.0	556.9	521.4	482.2	443.1
87.5°	22.5	25.2	40.0	52.1	117.3	252.9	620.4	591.7	543.0	483.1	439.6
90°	6.1	6.1	8.7	13.0	23.4	51.2	156.3	140.8	70.3	133.8	66.0
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



REPORT NUMBER: P271673
 CATALOG NUMBER: IST-AF-1200-LED-E1-SL3-7027

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



REPORT NUMBER: P271673

CATALOG NUMBER: IST-AF-1200-LED-E1-SL3-7027

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	70°
0°	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7
2.5°	1563.1	1564.8	1563.1	1560.4	1563.1	1560.4	1559.5	1558.6	1559.5	1557.9	1557.0
5°	1555.2	1557.0	1557.0	1551.8	1550.9	1554.3	1549.1	1550.9	1549.1	1547.4	1544.0
7.5°	1517.9	1518.8	1519.7	1516.2	1518.8	1518.8	1517.1	1517.1	1515.4	1516.2	1512.7
10°	1465.8	1469.3	1472.7	1471.0	1470.1	1477.9	1474.5	1477.0	1477.0	1474.5	1475.4
12.5°	1409.4	1415.4	1419.7	1419.7	1423.2	1431.9	1431.0	1432.8	1439.7	1439.7	1437.1
15°	1357.2	1363.3	1370.2	1375.5	1382.3	1388.4	1392.8	1399.6	1403.2	1403.2	1407.6
17.5°	1316.4	1325.0	1332.8	1335.4	1345.0	1355.5	1358.1	1366.7	1371.9	1374.6	1379.8
20°	1276.3	1285.9	1295.4	1304.2	1312.9	1325.0	1331.1	1336.3	1345.0	1350.2	1358.1
22.5°	1229.4	1244.2	1256.4	1266.8	1281.5	1292.0	1304.2	1312.9	1323.2	1331.1	1337.1
25°	1185.1	1205.1	1221.7	1232.0	1252.0	1266.8	1281.5	1294.5	1307.7	1318.9	1327.7
27.5°	1144.4	1166.9	1186.9	1203.4	1225.1	1248.6	1263.4	1285.0	1302.5	1318.0	1328.5
30°	1124.3	1143.5	1164.2	1183.3	1205.1	1234.6	1259.0	1286.8	1308.5	1328.5	1344.1
32.5°	1128.6	1146.0	1164.2	1180.8	1203.4	1236.3	1261.6	1293.6	1325.9	1351.9	1371.9
35°	1163.5	1179.0	1191.2	1206.0	1226.0	1251.2	1278.1	1312.0	1351.9	1386.7	1412.8
37.5°	1236.3	1240.6	1252.9	1264.2	1274.7	1298.1	1323.2	1351.9	1398.0	1434.5	1471.0
40°	1326.8	1338.0	1349.3	1354.6	1366.7	1381.5	1392.8	1423.2	1464.1	1511.8	1551.8
42.5°	1461.5	1465.8	1467.5	1469.3	1473.6	1484.0	1500.5	1528.4	1568.4	1610.9	1655.1
45°	1612.5	1617.8	1623.1	1625.7	1619.6	1625.7	1643.0	1656.0	1695.1	1735.2	1791.6
47.5°	1822.0	1806.3	1798.6	1809.0	1803.8	1816.8	1824.5	1832.5	1879.3	1927.1	1974.9
50°	2090.4	2080.9	2068.8	2069.7	2079.1	2070.5	2075.7	2104.4	2120.0	2160.0	2223.5
52.5°	2519.7	2490.1	2444.1	2424.2	2435.5	2428.5	2431.0	2437.1	2426.7	2464.1	2517.9
55°	3049.7	3011.5	2981.0	2963.7	2899.4	2894.2	2851.6	2835.9	2802.0	2837.7	2825.5
57.5°	3427.7	3403.3	3387.7	3335.6	3306.0	3246.9	3229.6	3208.7	3161.8	3185.2	3206.1
60°	4157.4	4070.6	4041.0	3949.8	3919.5	3862.9	3790.8	3755.3	3730.9	3753.5	3739.6
62.5°	5375.6	5254.8	5231.4	5015.1	4962.1	4831.7	4696.2	4677.9	4601.5	4553.7	4542.4
65°	6565.2	6392.2	6262.7	6026.4	5866.5	5680.6	5473.8	5322.6	5167.1	5088.9	4985.5
66°	6653.7	6585.0	6454.7	6316.6	6083.7	5880.5	5645.8	5482.4	5307.8	5170.6	5081.9
67.5°	6502.5	6466.1	6420.0	6326.1	6180.2	5990.8	5768.4	5559.8	5349.6	5187.9	5046.3
70°	5496.4	5536.3	5588.4	5564.2	5480.8	5406.9	5210.6	5094.1	4936.0	4724.0	4637.1
72.5°	4148.8	4255.7	4219.2	4081.9	4017.6	3966.4	3895.1	3816.9	3590.2	3564.0	3461.5
75°	2669.1	2633.5	2657.0	2490.1	2376.4	2329.5	2160.0	2090.4	1920.1	1809.8	1725.6
77.5°	1406.7	1337.1	1283.3	1136.4	1031.3	969.6	887.1	789.8	640.3	631.7	495.2
80°	652.5	599.5	550.9	499.5	448.3	380.5	330.1	269.3	238.1	204.2	190.4
82.5°	443.1	409.3	379.7	345.8	306.7	259.8	224.1	190.4	162.4	146.0	132.9
85°	401.5	364.9	331.9	289.3	248.5	209.3	171.1	141.7	115.5	100.8	92.1
87.5°	390.1	344.9	310.2	264.1	224.1	184.2	147.7	114.7	89.5	73.0	62.5
90°	49.6	53.0	38.3	36.5	15.6	20.0	14.7	8.7	9.5	7.0	7.8
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: P271673

CATALOG NUMBER: IST-AF-1200-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: P271673
 CATALOG NUMBER: IST-AF-1200-LED-E1-SL3-7027

CANDELA DISTRIBUTION (continued):

	71°	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°
0°	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7
2.5°	1555.2	1552.6	1555.2	1554.3	1550.9	1551.8	1552.6	1549.1	1547.4	1547.4	1546.6
5°	1541.3	1539.7	1541.3	1540.5	1535.2	1534.5	1534.5	1531.8	1528.4	1525.7	1524.0
7.5°	1508.3	1510.1	1509.2	1506.5	1504.0	1504.0	1501.3	1495.3	1491.8	1488.3	1484.9
10°	1471.0	1471.0	1471.9	1471.0	1466.7	1464.9	1461.5	1457.9	1458.8	1450.1	1443.1
12.5°	1438.0	1438.0	1437.1	1435.3	1432.8	1431.9	1431.9	1421.5	1418.9	1416.3	1408.5
15°	1406.7	1408.5	1408.5	1408.5	1404.1	1404.1	1399.6	1392.8	1392.8	1385.0	1377.1
17.5°	1382.3	1385.0	1384.1	1385.0	1385.8	1380.7	1372.8	1368.5	1363.3	1358.9	1348.4
20°	1361.5	1363.3	1364.1	1364.1	1361.5	1358.1	1351.1	1344.1	1340.6	1332.0	1318.9
22.5°	1342.3	1345.9	1346.6	1346.6	1343.2	1340.6	1333.7	1323.2	1316.4	1305.9	1293.6
25°	1334.5	1338.9	1336.3	1338.0	1334.5	1328.5	1318.9	1310.3	1299.8	1286.8	1273.8
27.5°	1337.1	1343.2	1341.5	1340.6	1336.3	1332.0	1319.8	1309.4	1297.2	1281.5	1265.0
30°	1352.8	1363.3	1358.9	1355.5	1354.6	1344.1	1332.8	1318.0	1304.2	1285.9	1266.8
32.5°	1382.3	1387.5	1388.4	1385.8	1381.5	1372.8	1357.2	1338.0	1322.5	1300.7	1278.1
35°	1431.0	1436.2	1434.5	1434.5	1430.1	1416.3	1397.1	1378.0	1356.4	1332.0	1308.5
37.5°	1498.8	1508.3	1506.5	1503.1	1497.9	1481.5	1466.7	1443.1	1418.9	1386.7	1359.8
40°	1583.9	1598.7	1611.6	1609.1	1597.0	1582.2	1568.4	1541.3	1517.1	1481.5	1451.9
42.5°	1698.7	1718.5	1735.2	1747.2	1742.0	1722.9	1698.7	1687.4	1652.6	1616.1	1585.7
45°	1845.5	1887.2	1901.9	1916.7	1916.7	1904.6	1899.4	1876.6	1840.3	1791.6	1762.9
47.5°	2039.2	2094.8	2111.4	2136.5	2151.4	2138.2	2128.7	2090.4	2066.1	1999.3	1992.4
50°	2274.7	2330.2	2375.5	2405.0	2400.7	2411.9	2389.3	2367.7	2333.8	2279.0	2259.9
52.5°	2575.4	2619.5	2660.4	2677.8	2696.0	2693.5	2688.3	2673.4	2630.9	2601.3	2552.7
55°	2883.8	2920.2	2969.8	2998.5	3021.9	3017.6	2997.6	2961.9	2969.8	2908.0	2881.1
57.5°	3234.8	3274.7	3328.6	3355.5	3365.9	3418.9	3405.9	3401.6	3386.8	3365.1	3337.3
60°	3838.5	3850.0	3894.2	3962.1	4045.3	4028.9	4049.8	4063.7	4074.2	4025.5	4021.9
62.5°	4558.0	4571.9	4610.2	4624.0	4636.2	4637.9	4610.2	4610.2	4562.4	4499.8	4451.2
65°	4950.8	4922.2	4896.0	4881.3	4849.1	4820.5	4778.7	4722.3	4641.5	4545.1	4458.1
66°	5007.2	4949.0	4915.2	4877.8	4826.5	4773.5	4724.0	4646.7	4551.9	4437.3	4322.6
67.5°	4952.4	4872.6	4793.4	4738.8	4667.5	4571.9	4485.1	4394.7	4305.1	4147.9	4041.0
70°	4452.9	4357.3	4270.5	4150.6	4037.6	3943.8	3794.4	3637.1	3507.6	3342.5	3237.4
72.5°	3306.9	3193.9	3081.0	2912.5	2748.3	2723.9	2536.3	2351.1	2252.1	2119.1	2012.2
75°	1633.5	1491.0	1288.5	1198.2	1067.0	1002.7	967.0	833.3	801.1	669.9	668.2
77.5°	461.4	396.2	351.9	306.7	287.5	273.7	225.9	216.3	196.4	192.9	181.5
80°	174.6	165.1	160.8	156.3	152.0	149.5	147.7	140.8	137.4	132.1	129.4
82.5°	126.0	122.5	114.7	112.1	108.7	103.3	102.6	98.2	95.6	90.4	88.7
85°	85.2	80.8	76.4	72.1	70.3	69.5	66.9	65.1	63.4	60.8	60.0
87.5°	57.3	53.0	47.8	46.0	45.2	46.0	46.9	45.2	44.3	42.6	41.7
90°	7.0	9.5	8.7	8.7	10.4	8.7	8.7	9.5	8.7	8.7	7.8
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: P271673
 CATALOG NUMBER: IST-AF-1200-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: P271673
NUMBER: IST-AF-1200-LED-E1-SL3-7027

REPORT NUMBER: P
CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

82°	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	82°	110°
1539.7	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7	1539.7	110°	0.0
1544.8	1542.2	1543.1	1539.7	1538.8	1540.5	1541.3	1541.3	1538.8	1523.1	1504.9	112.5°	0.0
1522.3	1517.1	1516.2	1513.6	1509.2	1514.5	1511.8	1507.4	1502.2	1484.0	1448.3	115°	0.0
1480.6	1477.0	1472.7	1469.3	1466.7	1464.9	1464.1	1459.7	1450.1	1416.3	1356.4	117.5°	0.0
1440.5	1436.2	1431.0	1423.2	1419.7	1414.5	1414.5	1404.1	1397.1	1354.6	1265.9	120°	0.0
1401.4	1393.6	1391.0	1385.8	1376.2	1371.9	1365.9	1355.5	1345.0	1293.6	1177.3	122.5°	0.0
1371.9	1364.1	1352.8	1349.3	1338.9	1329.3	1321.6	1307.7	1296.3	1228.5	1084.3	125°	0.0
1339.8	1333.7	1321.6	1313.7	1302.5	1291.1	1278.1	1260.7	1252.9	1166.9	995.7	127.5°	0.0
1313.7	1299.8	1285.9	1279.0	1265.0	1252.0	1239.0	1218.1	1202.5	1106.0	901.9	130°	0.0
1283.3	1271.1	1256.4	1244.2	1225.1	1210.4	1195.6	1173.8	1154.7	1044.4	807.1	132.5°	0.0
1262.5	1245.1	1229.4	1215.6	1193.8	1176.4	1155.6	1132.1	1113.0	985.4	702.9	135°	0.0
1250.4	1232.9	1212.9	1195.6	1170.3	1150.4	1127.8	1101.7	1077.3	937.5	604.6	137.5°	0.0
1246.8	1226.0	1205.1	1183.3	1157.4	1132.1	1105.2	1079.1	1047.9	891.5	497.8	140°	0.0
1257.3	1232.0	1208.6	1182.5	1152.1	1123.4	1096.5	1062.7	1031.3	851.4	392.6	142.5°	0.0
1285.9	1255.5	1228.5	1199.9	1165.1	1133.9	1101.7	1063.4	1028.6	823.7	300.7	145°	0.0
1331.1	1302.5	1271.1	1242.4	1202.5	1167.8	1132.1	1091.4	1049.6	812.3	226.8	147.5°	0.0
1422.4	1384.1	1351.9	1321.6	1275.5	1239.9	1199.0	1149.5	1102.6	822.8	189.5	150°	0.0
1550.0	1502.2	1472.7	1445.8	1388.4	1349.3	1302.5	1245.9	1192.9	852.3	166.8	152.5°	0.0
1726.5	1689.9	1636.9	1595.2	1537.0	1493.5	1441.4	1373.7	1314.6	894.0	155.6	155°	0.0
1947.2	1899.4	1847.2	1804.7	1741.2	1665.5	1610.9	1529.2	1462.4	959.2	150.3	157.5°	0.0
2217.4	2160.0	2089.5	2054.0	1966.2	1907.1	1834.2	1746.5	1661.2	1060.0	152.9	160°	0.0
2511.0	2449.3	2394.6	2326.8	2246.9	2180.8	2111.4	2018.3	1911.5	1251.2	163.3	162.5°	0.0
2821.1	2781.2	2729.1	2641.4	2597.9	2514.4	2425.9	2323.4	2246.0	1499.6	188.6	165°	0.0
3273.0	3229.6	3223.5	3137.4	3071.5	2995.8	2926.3	2841.2	2749.9	1941.1	247.7	167.5°	0.0
3968.2	3922.9	3871.7	3804.7	3726.6	3632.7	3546.7	3432.0	3330.4	2383.2	275.4	170°	0.0
4380.0	4296.5	4204.3	4102.8	3988.9	3872.5	3756.9	3610.1	3462.3	2410.2	248.5	172.5°	0.0
4345.2	4241.8	4124.5	3986.3	3866.5	3723.0	3598.8	3409.3	3274.7	2146.1	202.5	175°	0.0
4216.6	4074.9	3964.6	3837.8	3687.5	3558.8	3427.7	3240.8	3087.0	1968.0	185.1	177.5°	0.0
3887.2	3766.5	3613.6	3491.9	3380.7	3226.9	3103.6	2928.9	2822.9	1706.4	166.0	180°	0.0
3107.1	2940.2	2810.8	2716.0	2590.0	2451.0	2341.6	2194.6	2100.9	1129.5	143.4		
1809.8	1768.1	1623.1	1541.3	1464.9	1351.9	1265.0	1194.7	1071.3	547.3	126.8		
557.8	518.7	513.5	436.1	461.4	394.4	384.0	349.4	349.4	210.2	99.9		
178.1	174.6	167.7	158.1	154.7	154.7	150.3	149.5	142.5	113.0	74.6		
126.0	123.3	120.8	118.1	116.4	117.3	113.8	112.1	110.3	81.7	59.1		
86.9	84.4	79.1	79.1	77.3	76.4	77.3	73.8	73.0	57.3	49.6		
59.1	58.2	57.3	56.4	55.7	54.8	53.9	51.2	49.6	40.0	34.8		
39.1	33.0	32.2	27.8	26.9	26.1	24.3	26.1	28.7	28.7	22.5		
8.7	7.8	8.7	8.7	7.0	7.8	7.8	6.1	6.1	8.7	7.8		
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		

271673
 IST-AF-1200-LED-E1-SL3-7027

REPORT NUMBER: P271673
 CATALOG NUMBER: IST-AF-12

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°	1539.7	1539.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1489.2	1475.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	1410.2	1378.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	1303.4	1242.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	1180.8	1093.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	1053.9	941.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	935.8	787.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	811.5	628.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	692.4	474.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	557.8	332.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	409.3	241.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	291.9	192.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	218.1	162.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	174.6	140.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	148.6	127.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	132.9	119.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	124.2	114.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	119.0	110.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	116.4	107.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	114.7	104.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	113.0	104.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	113.8	106.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	118.1	106.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	125.1	106.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	130.3	107.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	132.1	111.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	130.3	113.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66°	128.5	113.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	126.0	111.2
										70°	119.9	104.2
										72.5°	107.8	93.9
										75°	92.1	75.5
										77.5°	74.6	60.8
										80°	55.7	46.0
										82.5°	40.9	35.7
										85°	28.7	25.2
										87.5°	17.3	15.6
										90°	4.3	4.3
										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: P271673

CATALOG NUMBER: IST-AF-1200-LED-E1

00-LED-E1-SL3-7027

tinued):

135°	145°	155°	165°	175°	180°
1539.7	1539.7	1539.7	1539.7	1539.7	1539.7
1465.8	1464.9	1443.1	1438.8	1424.0	1431.9
1341.5	1326.8	1287.6	1279.8	1263.4	1259.0
1192.9	1152.1	1120.8	1086.1	1053.0	1069.5
1019.1	950.6	881.9	836.7	818.4	812.3
854.1	730.7	644.7	556.1	524.8	536.1
654.2	513.5	398.8	347.6	318.0	312.8
461.4	329.3	276.3	263.2	257.2	257.2
312.8	251.1	231.1	225.0	225.0	225.9
238.1	211.1	202.5	203.3	206.8	207.7
197.3	186.8	182.4	188.6	195.5	196.4
170.3	167.7	168.5	176.3	183.3	184.2
149.5	152.0	155.6	162.4	168.5	170.3
134.7	139.0	141.7	146.0	149.5	150.3
124.2	129.4	128.5	131.2	133.8	134.7
118.1	120.8	118.1	119.9	119.9	121.6
113.0	113.8	109.4	110.3	112.1	112.1
107.8	106.9	102.6	104.2	106.9	107.8
102.6	100.8	97.3	100.8	105.1	106.0
98.2	96.5	94.7	99.0	104.2	105.1
96.5	94.7	93.0	99.0	104.2	105.1
96.5	94.7	93.0	97.3	102.6	103.3
97.3	95.6	92.1	96.5	99.9	100.8
98.2	96.5	90.4	93.0	94.7	95.6
98.2	94.7	88.7	89.5	89.5	90.4
96.5	92.1	85.2	85.2	84.4	84.4
96.5	88.7	81.7	79.9	78.2	78.2
95.6	87.8	80.8	78.2	75.5	75.5
93.9	86.0	79.1	75.5	73.0	73.0
87.8	82.6	74.6	71.2	68.6	67.7
78.2	75.5	69.5	66.9	64.3	63.4
66.0	66.9	63.4	61.7	59.1	58.2
55.7	57.3	55.7	54.8	53.0	52.1
44.3	47.8	46.0	46.0	46.9	45.2
33.9	38.3	36.5	38.3	40.0	37.4
23.4	27.8	27.8	28.7	29.6	27.8
14.7	18.2	17.3	18.2	18.2	17.3
3.4	6.1	3.4	5.2	4.3	3.4
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
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)