

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: P226980

Luminaire Tested: **IST-AF-1000-LED-E1-SL3-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226980
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-SL3-8030
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III W/SPILL CONTROL
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4677.4 lumens
Efficiency: N/A
Efficacy: 85.7 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

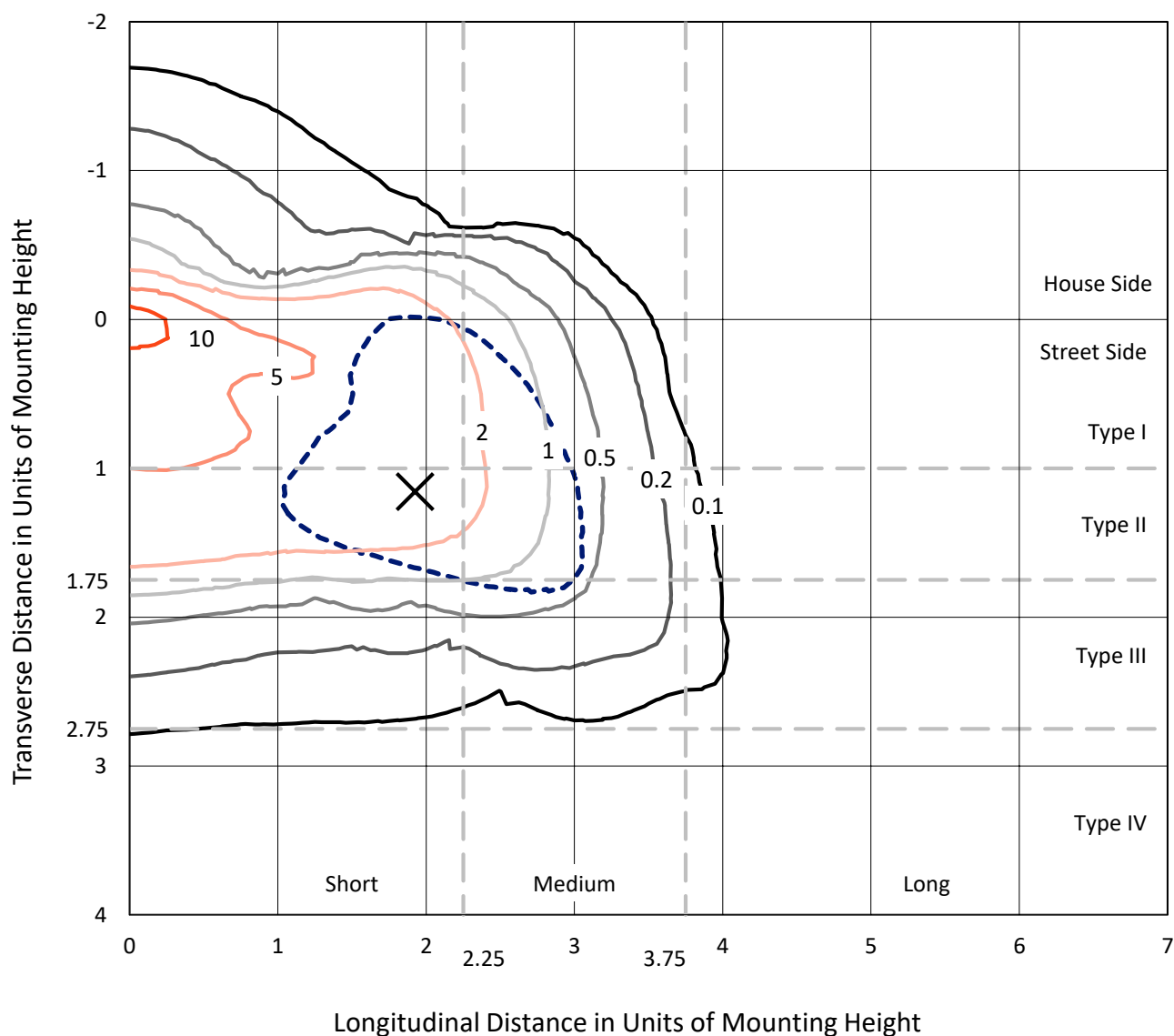


REPORT NUMBER: P226980

CATALOG NUMBER: IST-AF-1000-LED-E1-SL3-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

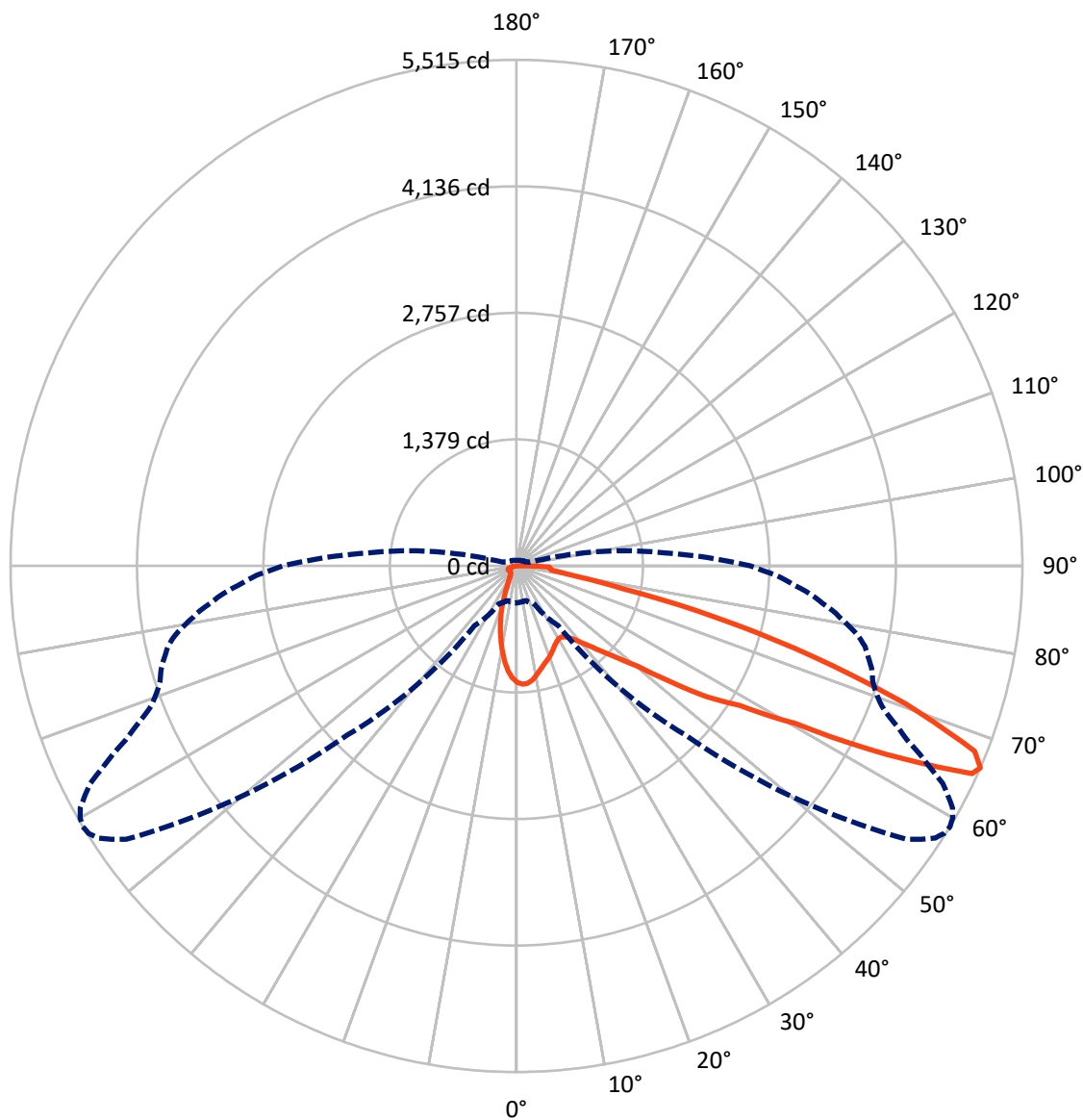


Based on 10 foot mounting height. Maximum calculated value = 12.7 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P226980

CATALOG NUMBER: IST-AF-1000-LED-E1-SL3-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P226980

CATALOG NUMBER: IST-AF-1000-LED-E1-SL3-8030

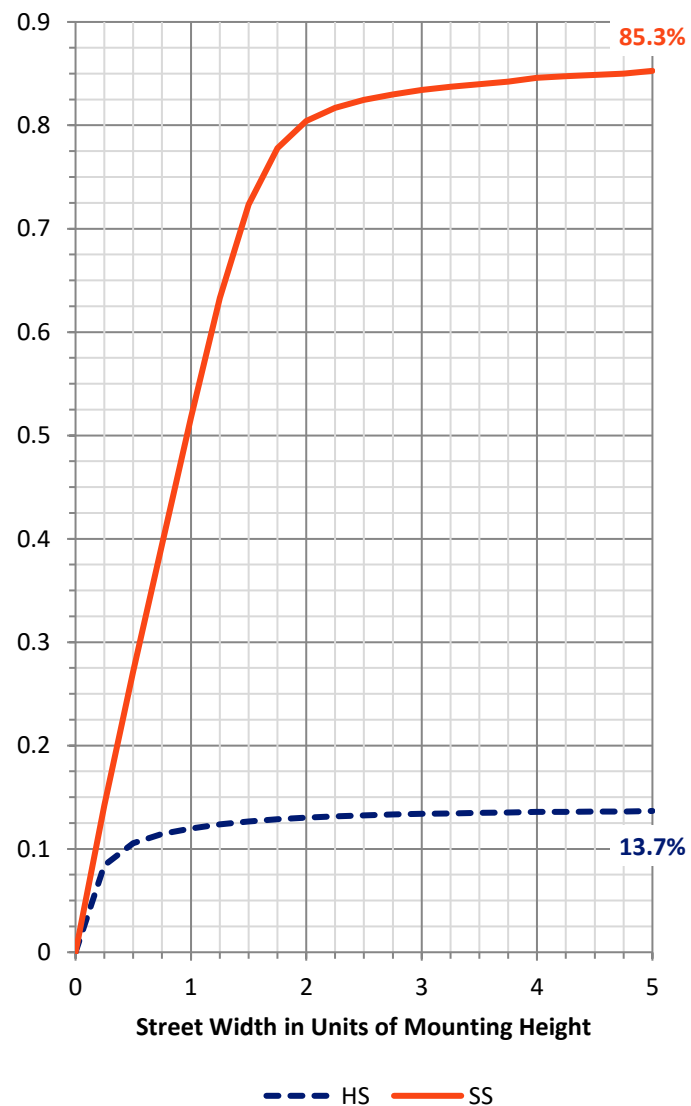
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	649.0	0.3	649.3
	% Fixture	13.9	0.0	13.9
Street Side	Lumens	4026.4	1.7	4028.1
	% Fixture	86.1	0.0	86.1
Total	Lumens	4675.4	2.0	4677.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.3	2.3
10°-20°	228.8	4.9
20°-30°	287.0	6.1
30°-40°	392.7	8.4
40°-50°	631.7	13.5
50°-60°	1097.7	23.5
60°-70°	1333.7	28.5
70°-80°	497.5	10.6
80°-90°	97.9	2.1
90°-100°	2.0	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°	4675.4	100.0
0°-180°	4677.4	100.0

Coefficient of Utilization



REPORT NUMBER: P226980

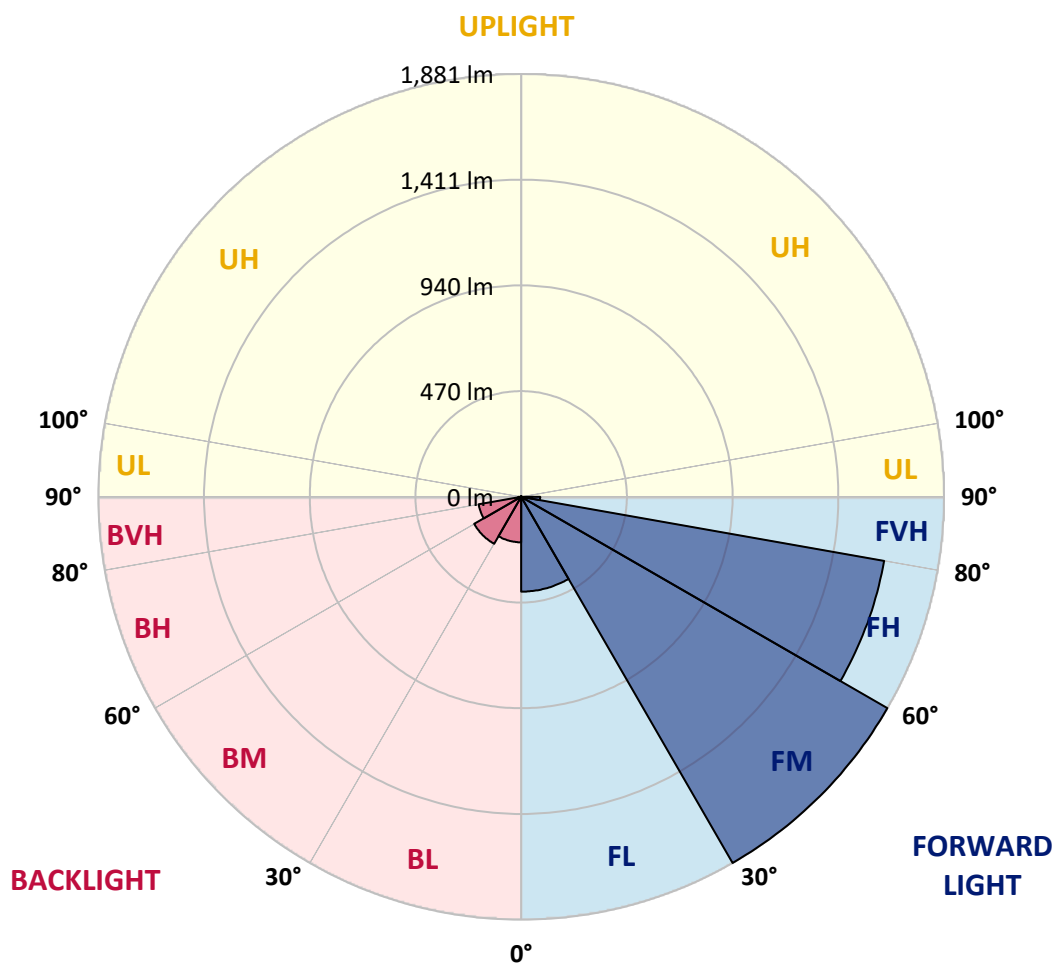
CATALOG NUMBER: IST-AF-1000-LED-E1-SL3-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	421.8	9.0			
FM	(30°-60°)	1880.8	40.2			
FH	(60°-80°)	1639.4	35.0			G1/1800
FVH	(80°-90°)	84.4	1.8			G1/100
BL	(0°-30°)	202.4	4.3	B1/500		
BM	(30°-60°)	241.3	5.2	B1/1000		
BH	(60°-80°)	191.9	4.1	B1/500		G1/500
BVH	(80°-90°)	13.4	0.3			G1/100
UL	(90°-100°)	2.0	0.0		U1/10	
UH	(100°-180°)	0.3	0.0		U1/10	

BUG Rating: B1-U1-G1

Type II Short



REPORT NUMBER: P226980

CATALOG NUMBER: IST-AF-1000-LED-E1-SL3-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7
2.5°	1303.7	1299.4	1307.3	1304.4	1306.6	1295.8	1293.7	1291.5	1292.9	1290.8	1290.8
5°	1272.9	1270.7	1280.0	1285.1	1289.4	1287.9	1287.2	1287.2	1287.9	1282.9	1283.6
7.5°	1182.5	1181.1	1194.0	1203.3	1224.1	1236.3	1252.1	1252.8	1254.2	1252.1	1256.4
10°	1086.4	1090.7	1102.2	1117.2	1148.1	1166.7	1196.8	1202.6	1204.7	1205.5	1206.2
12.5°	994.6	990.3	1004.7	1033.3	1074.9	1105.1	1143.1	1145.9	1149.5	1154.5	1159.6
15°	912.9	917.9	929.4	959.5	1003.2	1045.5	1095.0	1097.9	1105.1	1109.4	1116.5
17.5°	856.9	856.9	869.8	897.8	938.7	992.5	1054.9	1059.9	1065.6	1071.4	1079.2
20°	829.0	829.0	834.0	850.5	886.3	938.0	1013.3	1019.0	1029.0	1035.5	1046.3
22.5°	826.8	826.1	825.4	829.0	850.5	890.6	968.8	976.7	985.3	995.3	1004.7
25°	849.8	851.9	843.3	837.6	839.7	858.4	926.5	930.8	947.3	953.7	965.2
27.5°	882.8	886.3	879.2	870.6	857.7	845.5	890.6	897.8	908.6	919.3	933.7
30°	930.1	929.4	928.7	922.9	897.8	859.8	879.9	884.9	894.2	902.8	915.0
32.5°	981.0	986.7	991.0	988.2	962.4	897.8	894.9	899.2	907.9	912.9	920.8
35°	1047.0	1049.8	1066.3	1066.3	1040.5	965.9	937.3	940.8	945.1	947.3	953.0
37.5°	1119.4	1129.4	1153.8	1168.2	1128.0	1050.6	1003.9	1003.9	1006.1	1007.5	1011.1
40°	1203.3	1217.6	1251.3	1278.6	1252.8	1156.0	1091.4	1097.9	1095.7	1092.9	1100.8
42.5°	1300.8	1316.6	1357.5	1383.3	1368.2	1282.9	1209.0	1204.7	1211.2	1202.6	1205.5
45°	1414.1	1426.3	1467.9	1495.2	1507.4	1438.5	1363.2	1354.6	1354.6	1336.0	1343.9
47.5°	1516.0	1519.5	1559.7	1607.7	1647.2	1648.6	1542.5	1536.8	1523.1	1510.9	1508.1
50°	1610.6	1621.4	1647.2	1699.5	1782.0	1853.7	1789.2	1771.2	1756.2	1711.0	1724.6
52.5°	1774.8	1795.6	1812.1	1843.7	1941.2	2086.8	2166.4	2138.4	2134.8	2093.9	2084.6
55°	1805.7	1807.8	1862.3	2044.5	2273.9	2378.6	2531.4	2530.7	2542.1	2529.2	2517.0
57.5°	1660.8	1643.6	1734.7	1974.9	2436.0	2973.8	2927.2	2932.2	2917.2	2877.7	2865.6
60°	1293.7	1308.0	1406.2	1712.4	2319.1	3358.2	3665.8	3574.8	3640.0	3537.5	3482.3
62.5°	727.9	711.4	778.1	1100.0	1902.5	3378.3	4671.9	4682.0	4713.5	4656.2	4521.3
65°	469.7	462.5	456.1	556.5	1140.2	2955.2	5228.4	5351.8	5425.6	5455.7	5457.9
66°	403.7	398.0	390.1	455.4	794.6	2603.8	5192.6	5324.5	5442.1	5498.0	5514.5
67.5°	343.5	334.9	333.5	377.2	552.9	2020.1	4850.5	5057.7	5161.7	5306.6	5385.5
70°	262.5	258.2	271.1	325.6	424.5	950.9	3865.2	4135.5	4314.8	4428.1	4501.3
72.5°	220.2	218.7	236.6	297.6	402.3	539.3	2705.6	2996.1	3183.2	3291.5	3391.9
75°	172.1	173.5	197.2	284.0	400.1	469.7	1571.9	1848.7	1957.7	2128.4	2258.9
77.5°	129.1	127.6	146.3	229.5	390.1	476.2	816.8	931.5	1051.3	1138.0	1169.6
80°	90.4	91.8	104.7	157.8	304.1	489.8	509.1	535.7	560.8	588.7	594.5
82.5°	60.2	61.0	77.4	108.3	210.8	467.6	475.4	463.2	443.9	419.5	393.0
85°	36.6	38.0	55.2	73.1	163.5	423.1	491.9	459.7	430.3	398.0	365.7
87.5°	18.6	20.8	33.0	43.0	96.8	208.7	512.0	488.3	448.2	398.7	362.9
90°	5.0	5.0	7.2	10.8	19.4	42.3	129.1	116.2	58.1	110.4	54.5
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: P226980

CATALOG NUMBER: IST-AF-1000-LED-E1-SL3-8030

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: P226980

CATALOG NUMBER: IST-AF-1000-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	70°
0°	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7
2.5°	1290.1	1291.5	1290.1	1287.9	1290.1	1287.9	1287.2	1286.5	1287.2	1285.8	1285.1
5°	1283.6	1285.1	1285.1	1280.7	1280.0	1282.9	1278.6	1280.0	1278.6	1277.2	1274.3
7.5°	1252.8	1253.5	1254.2	1251.3	1253.5	1253.5	1252.1	1252.1	1250.6	1251.3	1248.5
10°	1209.8	1212.6	1215.5	1214.1	1213.3	1219.8	1216.9	1219.1	1219.1	1216.9	1217.6
12.5°	1163.1	1168.2	1171.7	1171.7	1174.6	1181.8	1181.1	1182.5	1188.2	1188.2	1186.1
15°	1120.1	1125.1	1130.9	1135.2	1140.9	1145.9	1149.5	1155.3	1158.1	1158.1	1161.7
17.5°	1086.4	1093.6	1100.0	1102.2	1110.1	1118.7	1120.8	1128.0	1132.3	1134.5	1138.8
20°	1053.4	1061.3	1069.2	1076.4	1083.5	1093.6	1098.6	1102.9	1110.1	1114.4	1120.8
22.5°	1014.7	1026.9	1036.9	1045.5	1057.7	1066.3	1076.4	1083.5	1092.2	1098.6	1103.6
25°	978.1	994.6	1008.2	1016.9	1033.3	1045.5	1057.7	1068.5	1079.2	1088.6	1095.7
27.5°	944.4	963.1	979.6	993.2	1011.1	1030.5	1042.7	1060.6	1074.9	1087.8	1096.5
30°	927.9	943.7	960.9	976.7	994.6	1019.0	1039.1	1062.0	1080.0	1096.5	1109.4
32.5°	931.5	945.9	960.9	974.5	993.2	1020.4	1041.2	1067.8	1094.3	1115.8	1132.3
35°	960.2	973.1	983.2	995.3	1011.8	1032.6	1054.9	1082.8	1115.8	1144.5	1166.0
37.5°	1020.4	1024.0	1034.1	1043.4	1052.0	1071.4	1092.2	1115.8	1153.8	1183.9	1214.1
40°	1095.0	1104.3	1113.7	1118.0	1128.0	1140.2	1149.5	1174.6	1208.3	1247.8	1280.7
42.5°	1206.2	1209.8	1211.2	1212.6	1216.2	1224.8	1238.4	1261.4	1294.4	1329.5	1366.1
45°	1330.9	1335.2	1339.6	1341.7	1336.7	1341.7	1356.0	1366.8	1399.1	1432.1	1478.7
47.5°	1503.8	1490.9	1484.4	1493.0	1488.7	1499.5	1505.9	1512.4	1551.1	1590.5	1630.0
50°	1725.4	1717.5	1707.4	1708.1	1716.0	1708.9	1713.2	1736.8	1749.7	1782.7	1835.1
52.5°	2079.6	2055.2	2017.2	2000.7	2010.0	2004.3	2006.5	2011.5	2002.9	2033.7	2078.2
55°	2517.0	2485.5	2460.4	2446.0	2393.0	2388.7	2353.5	2340.6	2312.7	2342.1	2332.0
57.5°	2829.0	2808.9	2796.0	2753.0	2728.6	2679.8	2665.5	2648.3	2609.5	2628.9	2646.1
60°	3431.3	3359.6	3335.3	3260.0	3234.9	3188.2	3128.7	3099.3	3079.2	3097.9	3086.4
62.5°	4436.7	4337.1	4317.7	4139.1	4095.4	3987.8	3876.0	3860.9	3797.8	3758.3	3749.0
65°	5418.4	5275.7	5168.9	4973.8	4841.9	4688.4	4517.8	4393.0	4264.6	4200.1	4114.7
66°	5491.6	5434.9	5327.4	5213.4	5021.2	4853.4	4659.7	4524.9	4380.8	4267.5	4194.3
67.5°	5366.8	5336.7	5298.7	5221.2	5100.8	4944.4	4760.9	4588.8	4415.2	4281.8	4164.9
70°	4536.4	4569.4	4612.4	4592.3	4523.5	4462.5	4300.5	4204.4	4073.9	3898.9	3827.2
72.5°	3424.2	3512.4	3482.3	3369.0	3315.9	3273.6	3214.8	3150.2	2963.1	2941.6	2856.9
75°	2202.9	2173.5	2192.9	2055.2	1961.3	1922.6	1782.7	1725.4	1584.8	1493.7	1424.2
77.5°	1161.0	1103.6	1059.2	938.0	851.2	800.3	732.2	651.8	528.5	521.3	408.7
80°	538.5	494.8	454.6	412.3	370.0	314.1	272.5	222.3	196.5	168.5	157.0
82.5°	365.7	337.8	313.4	285.4	253.1	214.4	185.0	157.0	134.1	120.5	109.7
85°	331.3	301.2	273.9	238.8	205.1	172.8	141.3	116.9	95.4	83.2	76.0
87.5°	322.0	284.7	256.0	218.0	185.0	152.0	121.9	94.7	73.9	60.2	51.6
90°	40.9	43.7	31.6	30.1	12.9	16.5	12.2	7.2	7.9	5.7	6.5
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: P226980

CATALOG NUMBER: IST-AF-1000-LED-E1-SL3-8030

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: P226980

CATALOG NUMBER: IST-AF-1000-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

	71°	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°
0°	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7
2.5°	1283.6	1281.5	1283.6	1282.9	1280.0	1280.7	1281.5	1278.6	1277.2	1277.2	1276.4
5°	1272.1	1270.7	1272.1	1271.4	1267.1	1266.4	1266.4	1264.3	1261.4	1259.2	1257.8
7.5°	1244.9	1246.3	1245.6	1243.5	1241.3	1241.3	1239.2	1234.1	1231.3	1228.4	1225.5
10°	1214.1	1214.1	1214.8	1214.1	1210.5	1209.0	1206.2	1203.3	1204.0	1196.8	1191.1
12.5°	1186.8	1186.8	1186.1	1184.7	1182.5	1181.8	1181.8	1173.2	1171.0	1168.9	1162.4
15°	1161.0	1162.4	1162.4	1162.4	1158.8	1158.8	1155.3	1149.5	1149.5	1143.1	1136.6
17.5°	1140.9	1143.1	1142.3	1143.1	1143.8	1139.5	1133.0	1129.4	1125.1	1121.6	1112.9
20°	1123.7	1125.1	1125.9	1125.9	1123.7	1120.8	1115.1	1109.4	1106.5	1099.3	1088.6
22.5°	1107.9	1110.8	1111.5	1111.5	1108.6	1106.5	1100.8	1092.2	1086.4	1077.8	1067.8
25°	1101.5	1105.1	1102.9	1104.3	1101.5	1096.5	1088.6	1081.4	1072.8	1062.0	1051.3
27.5°	1103.6	1108.6	1107.2	1106.5	1102.9	1099.3	1089.3	1080.7	1070.6	1057.7	1044.1
30°	1116.5	1125.1	1121.6	1118.7	1118.0	1109.4	1100.0	1087.8	1076.4	1061.3	1045.5
32.5°	1140.9	1145.2	1145.9	1143.8	1140.2	1133.0	1120.1	1104.3	1091.4	1073.5	1054.9
35°	1181.1	1185.4	1183.9	1183.9	1180.4	1168.9	1153.1	1137.3	1119.4	1099.3	1080.0
37.5°	1237.0	1244.9	1243.5	1240.6	1236.3	1222.7	1210.5	1191.1	1171.0	1144.5	1122.3
40°	1307.3	1319.5	1330.2	1328.1	1318.0	1305.8	1294.4	1272.1	1252.1	1222.7	1198.3
42.5°	1401.9	1418.4	1432.1	1442.1	1437.8	1422.0	1401.9	1392.6	1363.9	1333.8	1308.7
45°	1523.1	1557.6	1569.7	1581.9	1581.9	1571.9	1567.6	1548.9	1518.8	1478.7	1455.0
47.5°	1683.0	1728.9	1742.6	1763.4	1775.6	1764.8	1756.9	1725.4	1705.3	1650.1	1644.3
50°	1877.4	1923.3	1960.6	1984.9	1981.4	1990.7	1972.0	1954.1	1926.1	1881.0	1865.2
52.5°	2125.5	2162.1	2195.8	2210.1	2225.2	2223.0	2218.7	2206.5	2171.4	2147.0	2106.9
55°	2380.1	2410.2	2451.1	2474.7	2494.1	2490.5	2474.0	2444.6	2451.1	2400.2	2377.9
57.5°	2669.8	2702.8	2747.2	2769.5	2778.1	2821.8	2811.1	2807.5	2795.3	2777.3	2754.4
60°	3168.2	3177.5	3214.1	3270.0	3338.8	3325.2	3342.4	3353.9	3362.5	3322.3	3319.5
62.5°	3761.9	3773.4	3805.0	3816.4	3826.5	3827.9	3805.0	3805.0	3765.5	3713.9	3673.7
65°	4086.1	4062.4	4040.9	4028.7	4002.2	3978.5	3944.1	3897.5	3830.8	3751.2	3679.5
66°	4132.7	4084.6	4056.7	4025.8	3983.5	3939.8	3898.9	3835.1	3756.9	3662.3	3567.6
67.5°	4087.5	4021.5	3956.3	3911.1	3852.3	3773.4	3701.7	3627.1	3553.3	3423.5	3335.3
70°	3675.2	3596.3	3524.6	3425.6	3332.4	3254.9	3131.6	3001.8	2895.0	2758.7	2671.9
72.5°	2729.3	2636.1	2542.9	2403.7	2268.2	2248.1	2093.2	1940.5	1858.7	1749.0	1660.8
75°	1348.2	1230.6	1063.5	988.9	880.6	827.5	798.1	687.7	661.2	552.9	551.5
77.5°	380.8	327.0	290.4	253.1	237.4	225.9	186.4	178.6	162.1	159.2	149.9
80°	144.1	136.2	132.7	129.1	125.5	123.3	121.9	116.2	113.3	109.0	106.8
82.5°	104.0	101.1	94.7	92.5	89.6	85.3	84.6	81.0	78.9	74.6	73.1
85°	70.3	66.7	63.1	59.5	58.1	57.4	55.2	53.8	52.3	50.2	49.5
87.5°	47.3	43.7	39.4	38.0	37.3	38.0	38.7	37.3	36.6	35.1	34.4
90°	5.7	7.9	7.2	7.2	8.6	7.2	7.2	7.9	7.2	7.2	6.5
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: P226980
CATALOG NUMBER: IST-AF-1000-LED-E1-SL3-8030

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°

REPORT NUMBER: P
CATALOG NUMBER:

CANDELA DISTRIBU'

82°	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	82°	
1270.7	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7	1270.7	110°	0.0
1275.0	1272.9	1273.6	1270.7	1270.0	1271.4	1272.1	1272.1	1270.0	1257.1	1242.0	112.5°	0.0
1256.4	1252.1	1251.3	1249.2	1245.6	1249.9	1247.8	1244.2	1239.9	1224.8	1195.4	115°	0.0
1221.9	1219.1	1215.5	1212.6	1210.5	1209.0	1208.3	1204.7	1196.8	1168.9	1119.4	117.5°	0.0
1189.0	1185.4	1181.1	1174.6	1171.7	1167.4	1167.4	1158.8	1153.1	1118.0	1044.8	120°	0.0
1156.7	1150.2	1148.1	1143.8	1135.9	1132.3	1127.3	1118.7	1110.1	1067.8	971.7	122.5°	0.0
1132.3	1125.9	1116.5	1113.7	1105.1	1097.2	1090.7	1079.2	1069.9	1014.0	894.9	125°	0.0
1105.8	1100.8	1090.7	1084.3	1074.9	1065.6	1054.9	1040.5	1034.1	963.1	821.8	127.5°	0.0
1084.3	1072.8	1061.3	1055.6	1044.1	1033.3	1022.6	1005.4	992.5	912.9	744.4	130°	0.0
1059.2	1049.1	1036.9	1026.9	1011.1	998.9	986.7	968.8	953.0	862.0	666.2	132.5°	0.0
1042.0	1027.6	1014.7	1003.2	985.3	971.0	953.7	934.4	918.6	813.2	580.1	135°	0.0
1031.9	1017.6	1001.1	986.7	965.9	949.4	930.8	909.3	889.2	773.8	499.1	137.5°	0.0
1029.0	1011.8	994.6	976.7	955.2	934.4	912.2	890.6	864.8	735.7	410.9	140°	0.0
1037.7	1016.9	997.5	976.0	950.9	927.2	905.0	877.0	851.2	702.8	324.1	142.5°	0.0
1061.3	1036.2	1014.0	990.3	961.6	935.8	909.3	877.7	849.1	679.8	248.1	145°	0.0
1098.6	1074.9	1049.1	1025.5	992.5	963.8	934.4	900.7	866.3	670.5	187.2	147.5°	0.0
1173.9	1142.3	1115.8	1090.7	1052.7	1023.3	989.6	948.7	910.0	679.1	156.3	150°	0.0
1279.3	1239.9	1215.5	1193.3	1145.9	1113.7	1074.9	1028.3	984.6	703.5	137.7	152.5°	0.0
1424.9	1394.8	1351.0	1316.6	1268.6	1232.7	1189.7	1133.7	1085.0	737.9	128.4	155°	0.0
1607.0	1567.6	1524.6	1489.4	1437.1	1374.7	1329.5	1262.1	1206.9	791.7	124.1	157.5°	0.0
1830.1	1782.7	1724.6	1695.2	1622.8	1574.0	1513.8	1441.4	1371.1	874.9	126.2	160°	0.0
2072.4	2021.5	1976.3	1920.4	1854.4	1799.9	1742.6	1665.8	1577.6	1032.6	134.8	162.5°	0.0
2328.4	2295.5	2252.4	2180.0	2144.1	2075.3	2002.2	1917.5	1853.7	1237.7	155.6	165°	0.0
2701.3	2665.5	2660.5	2589.5	2535.0	2472.6	2415.2	2344.9	2269.6	1602.0	204.4	167.5°	0.0
3275.0	3237.7	3195.4	3140.2	3075.7	2998.2	2927.2	2832.6	2748.7	1967.0	227.3	170°	0.0
3614.9	3546.1	3470.1	3386.2	3292.2	3196.1	3100.8	2979.6	2857.7	1989.2	205.1	172.5°	0.0
3586.2	3500.9	3404.1	3290.1	3191.1	3072.8	2970.2	2813.9	2702.8	1771.2	167.1	175°	0.0
3480.1	3363.2	3272.2	3167.5	3043.4	2937.3	2829.0	2674.8	2547.9	1624.2	152.7	177.5°	0.0
3208.3	3108.7	2982.4	2882.0	2790.3	2663.3	2561.5	2417.4	2329.9	1408.4	137.0	180°	0.0
2564.4	2426.7	2319.8	2241.7	2137.7	2023.0	1932.6	1811.4	1734.0	932.2	118.3		
1493.7	1459.3	1339.6	1272.1	1209.0	1115.8	1044.1	986.0	884.2	451.8	104.7		
460.4	428.1	423.8	360.0	380.8	325.6	317.0	288.3	288.3	173.5	82.5		
147.0	144.1	138.4	130.5	127.6	127.6	124.1	123.3	117.6	93.2	61.7		
104.0	101.8	99.7	97.5	96.1	96.8	93.9	92.5	91.1	67.4	48.8		
71.7	69.6	65.3	65.3	63.8	63.1	63.8	61.0	60.2	47.3	40.9		
48.8	48.0	47.3	46.6	45.9	45.2	44.5	42.3	40.9	33.0	28.7		
32.3	27.2	26.5	22.9	22.2	21.5	20.1	21.5	23.7	23.7	18.6		
7.2	6.5	7.2	7.2	5.7	6.5	6.5	5.0	5.0	7.2	6.5		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'226980
IST-AF-1000-LED-E1-SL3-8030

REPORT NUMBER: P226980
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°	1270.7	1270.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1229.1	1217.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	1163.9	1138.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	1075.7	1025.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	974.5	902.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	869.8	777.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	772.3	649.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	669.8	518.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	571.5	391.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	460.4	274.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	337.8	199.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	240.9	159.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	180.0	134.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	144.1	116.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	122.6	105.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	109.7	98.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	102.5	94.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	98.2	91.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	96.1	88.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	94.7	86.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	93.2	86.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	93.9	87.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	97.5	87.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	103.3	87.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	107.6	88.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	109.0	91.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	107.6	93.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66°	106.1	93.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	104.0	91.8
										70°	99.0	86.1
										72.5°	88.9	77.4
										75°	76.0	62.4
										77.5°	61.7	50.2
										80°	45.9	38.0
										82.5°	33.7	29.4
										85°	23.7	20.8
										87.5°	14.3	12.9
										90°	3.6	3.6
										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

00-LED-E1-SL3-8030

REPORT NUMBER: P226980

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

tinued):

135°	145°	155°	165°	175°	180°
1270.7	1270.7	1270.7	1270.7	1270.7	1270.7
1209.8	1209.0	1191.1	1187.5	1175.3	1181.8
1107.2	1095.0	1062.7	1056.3	1042.7	1039.1
984.6	950.9	925.1	896.4	869.1	882.8
841.2	784.5	727.9	690.6	675.5	670.5
704.9	603.1	532.1	458.9	433.1	442.5
540.0	423.8	329.2	286.8	262.5	258.2
380.8	271.8	228.0	217.3	212.3	212.3
258.2	207.2	190.7	185.7	185.7	186.4
196.5	174.3	167.1	167.8	170.7	171.4
162.8	154.2	150.6	155.6	161.3	162.1
140.6	138.4	139.1	145.6	151.3	152.0
123.3	125.5	128.4	134.1	139.1	140.6
111.2	114.7	116.9	120.5	123.3	124.1
102.5	106.8	106.1	108.3	110.4	111.2
97.5	99.7	97.5	99.0	99.0	100.4
93.2	93.9	90.4	91.1	92.5	92.5
88.9	88.2	84.6	86.1	88.2	88.9
84.6	83.2	80.3	83.2	86.8	87.5
81.0	79.6	78.2	81.7	86.1	86.8
79.6	78.2	76.7	81.7	86.1	86.8
79.6	78.2	76.7	80.3	84.6	85.3
80.3	78.9	76.0	79.6	82.5	83.2
81.0	79.6	74.6	76.7	78.2	78.9
81.0	78.2	73.1	73.9	73.9	74.6
79.6	76.0	70.3	70.3	69.6	69.6
79.6	73.1	67.4	66.0	64.5	64.5
78.9	72.4	66.7	64.5	62.4	62.4
77.4	71.0	65.3	62.4	60.2	60.2
72.4	68.1	61.7	58.8	56.7	55.9
64.5	62.4	57.4	55.2	53.1	52.3
54.5	55.2	52.3	50.9	48.8	48.0
45.9	47.3	45.9	45.2	43.7	43.0
36.6	39.4	38.0	38.0	38.7	37.3
28.0	31.6	30.1	31.6	33.0	30.8
19.4	22.9	22.9	23.7	24.4	22.9
12.2	15.1	14.3	15.1	15.1	14.3
2.9	5.0	2.9	4.3	3.6	2.9
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
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

-SL3-8030

[illegible]

(END OF REPORT)