

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: P271662

Luminaire Tested: **IST-AF-1000-LED-E1-SL2-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271662
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35945)
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-SL2-7027
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II W/SPILL CONTROL
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5081.6 lumens
Efficiency: N/A
Efficacy: 93.1 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

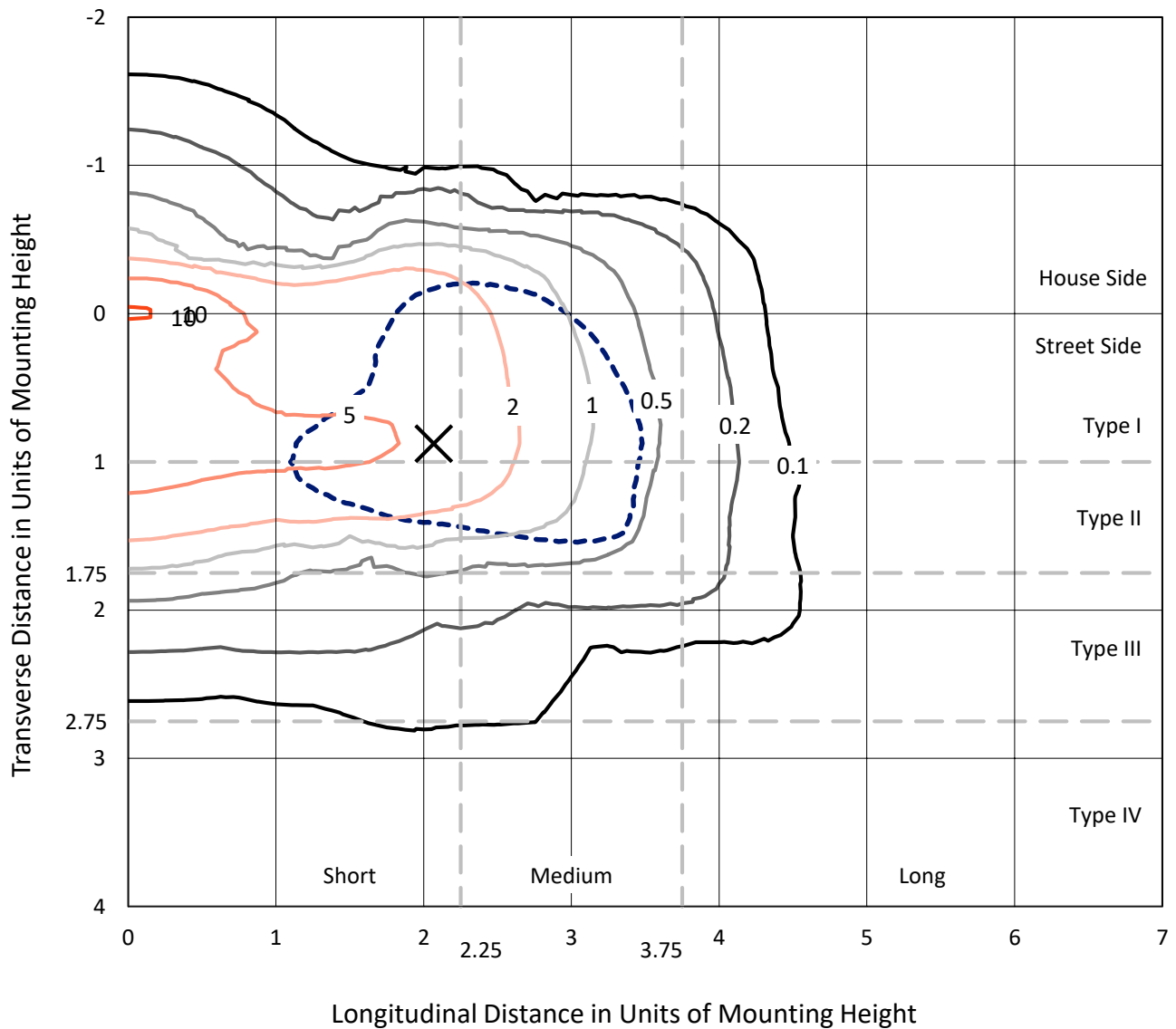
Input Watts (W): 54.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P271662
 CATALOG NUMBER: IST-AF-1000-LED-E1-SL2-7027

Iso-Footcandle Lines of Horizontal Illumination

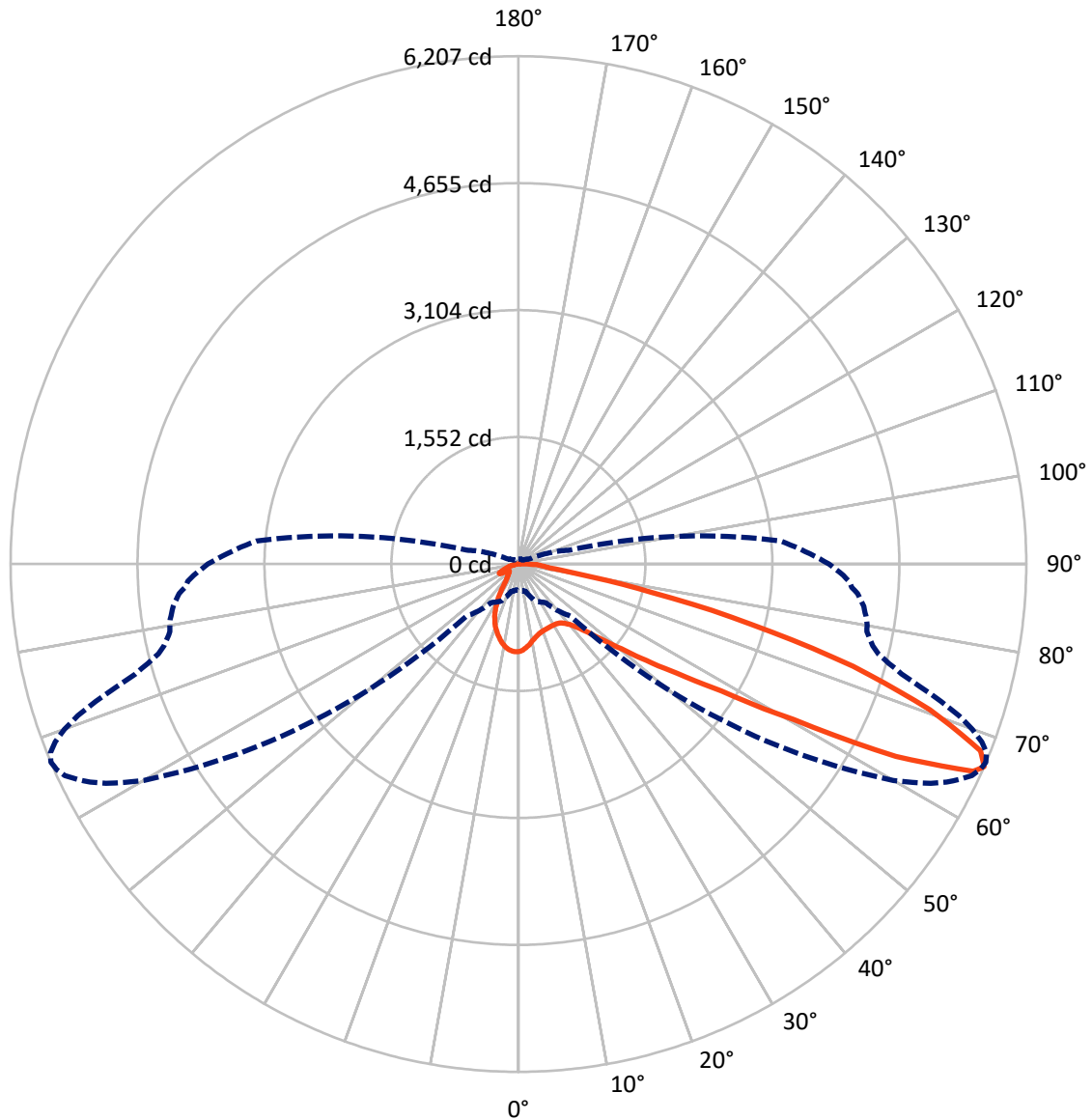
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P271662
CATALOG NUMBER: IST-AF-1000-LED-E1-SL2-7027

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P271662

CATALOG NUMBER: IST-AF-1000-LED-E1-SL2-7027

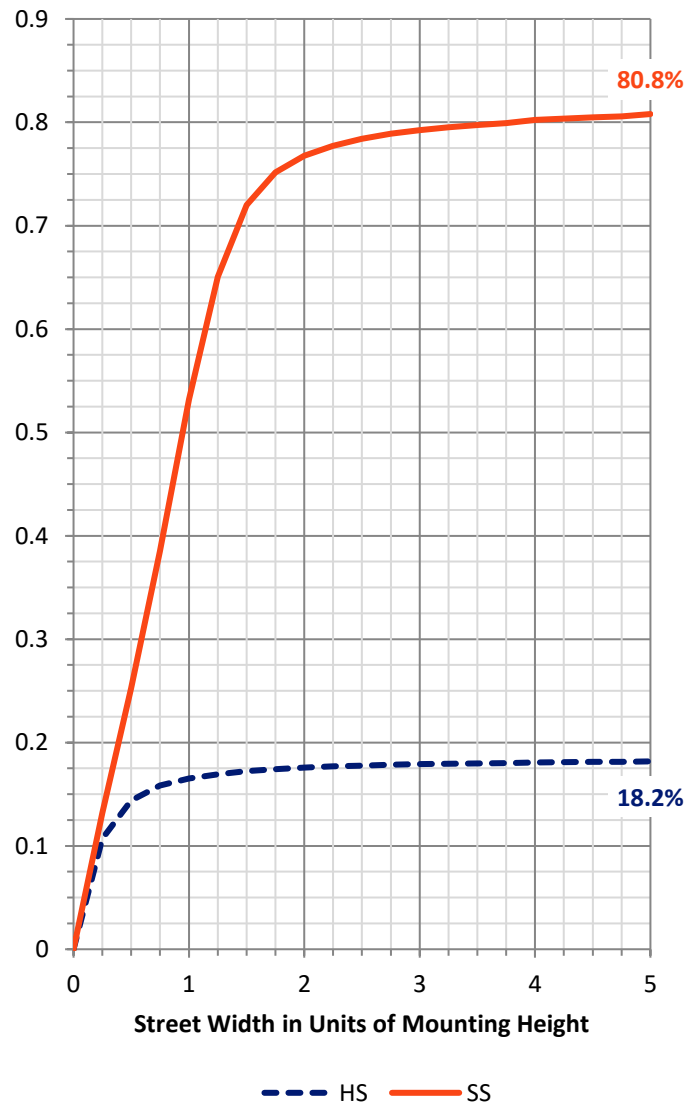
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	938.3	0.4	938.7
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	4141.5	1.5	4143.0
	% Fixture	81.5	0.0	81.5
Total	Lumens	5079.8	1.9	5081.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.7	1.8
10°-20°	220.8	4.3
20°-30°	302.7	6.0
30°-40°	432.5	8.5
40°-50°	701.2	13.8
50°-60°	1111.1	21.9
60°-70°	1408.0	27.7
70°-80°	699.9	13.8
80°-90°	110.9	2.2
90°-100°	1.9	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°	5079.8	100.0
0°-180°	5081.6	100.0

Coefficient of Utilization



REPORT NUMBER: P271662

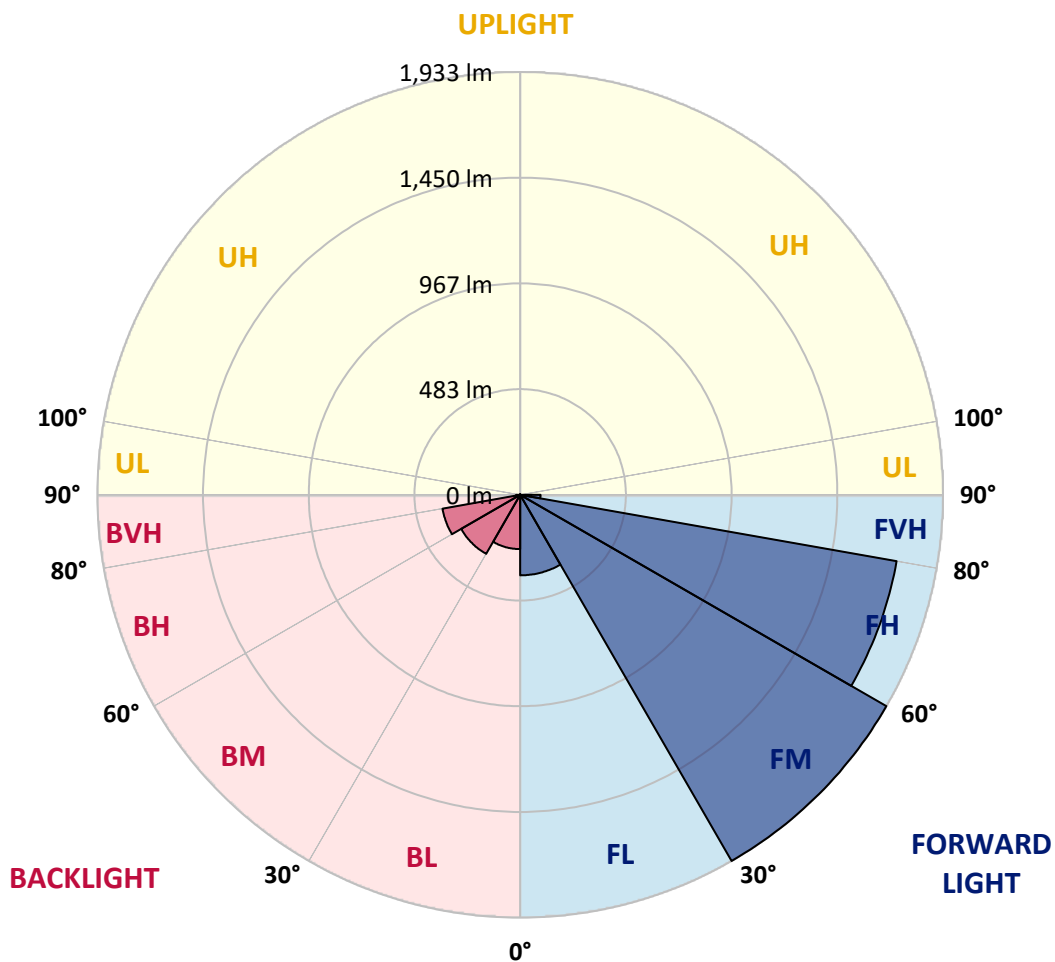
CATALOG NUMBER: IST-AF-1000-LED-E1-SL2-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	368.1	7.2			
FM	(30°-60°)	1933.1	38.0			
FH	(60°-80°)	1747.3	34.4			G1/1800
FVH	(80°-90°)	93.0	1.8			G1/100
BL	(0°-30°)	248.1	4.9	B1/500		
BM	(30°-60°)	311.7	6.1	B1/1000		
BH	(60°-80°)	360.6	7.1	B1/500		G1/500
BVH	(80°-90°)	17.9	0.4			G1/100
UL	(90°-100°)	1.9	0.0		U1/10	
UH	(100°-180°)	0.4	0.0		U1/10	

BUG Rating: B1-U1-G1

Type II Short





REPORT NUMBER: P271662

CATALOG NUMBER: IST-AF-1000-LED-E1-SL2-7027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	63°
0°	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6
2.5°	994.1	996.3	1009.3	1016.3	1026.1	1029.2	1040.6	1045.2	1049.0	1048.2	1048.2
5°	904.8	911.6	917.7	931.5	945.9	963.5	985.6	1002.5	1005.6	1009.3	1011.6
7.5°	836.8	841.4	852.0	861.9	880.2	904.8	936.0	957.4	961.9	963.5	968.8
10°	788.6	791.8	800.9	813.9	835.2	858.9	891.7	913.8	920.8	923.7	928.4
12.5°	751.3	755.8	764.3	778.0	800.9	825.4	859.7	881.8	886.4	890.2	897.0
15°	727.5	730.6	738.2	753.6	774.2	798.6	832.2	858.9	861.9	865.8	871.9
17.5°	723.0	725.3	729.9	741.3	757.5	781.1	815.4	837.5	842.9	848.2	854.3
20°	741.3	742.9	744.3	746.0	755.0	770.4	803.9	827.6	832.2	836.8	844.4
22.5°	781.1	783.3	779.5	774.2	767.3	770.4	798.6	822.9	826.1	830.7	836.8
25°	849.8	847.4	836.1	827.6	803.2	783.3	800.1	820.7	824.6	829.1	836.1
27.5°	930.6	927.6	920.8	897.9	857.4	816.9	809.2	824.6	826.8	830.7	836.8
30°	1017.7	1018.5	1012.4	987.1	935.2	867.3	829.9	833.6	835.2	838.3	842.1
32.5°	1096.3	1107.8	1107.0	1105.5	1031.4	935.2	869.6	854.3	852.0	854.3	855.8
35°	1187.2	1189.4	1210.8	1221.5	1161.1	1034.5	927.6	894.0	884.9	885.5	884.1
37.5°	1284.9	1288.0	1324.6	1343.0	1296.3	1147.5	1004.8	952.8	944.4	936.0	929.9
40°	1426.9	1439.2	1458.2	1478.8	1456.0	1299.4	1106.3	1036.0	1014.6	1013.1	1000.9
42.5°	1639.1	1635.4	1626.2	1643.0	1615.5	1469.6	1229.2	1153.6	1137.5	1116.2	1099.3
45°	1847.6	1856.0	1816.4	1823.9	1825.4	1666.6	1407.0	1300.9	1292.5	1267.4	1249.0
47.5°	1988.1	1979.0	1925.4	1964.4	2059.8	1896.4	1613.3	1501.8	1484.2	1471.2	1459.7
50°	1995.8	1988.1	1953.7	2022.4	2226.3	2304.9	1900.3	1770.5	1745.2	1722.4	1715.5
52.5°	1809.5	1798.8	1810.2	1950.0	2286.5	2646.9	2305.7	2104.1	2083.5	2064.5	2037.6
55°	1477.4	1489.5	1543.7	1744.5	2194.2	2889.8	3103.6	2619.5	2531.0	2530.2	2464.5
57.5°	1103.2	1091.0	1131.4	1320.0	1960.6	2976.1	3836.4	3716.6	3518.8	3385.3	3224.2
60°	744.3	747.4	784.8	881.8	1364.3	2882.1	4327.3	4744.9	4675.5	4647.2	4603.7
62.5°	516.1	520.7	555.1	645.9	797.9	2318.6	4470.9	5321.4	5445.9	5548.9	5523.7
65°	361.1	361.8	396.2	536.6	597.8	1191.1	4154.0	5397.7	5583.2	5760.4	5919.2
66°	318.4	319.2	347.4	499.3	573.4	898.7	3879.2	5291.6	5503.1	5709.3	5873.4
67.5°	272.5	277.1	299.2	424.4	549.8	693.2	3204.3	4974.7	5196.2	5422.9	5639.8
70°	187.0	188.6	208.5	344.3	514.5	608.5	1826.3	3883.8	4190.0	4588.5	4819.0
72.5°	133.6	132.1	134.4	213.0	528.3	604.6	959.7	2556.0	2984.3	3334.1	3583.7
75°	119.0	115.3	105.3	132.1	385.6	660.4	642.8	1504.8	1830.7	2149.1	2404.9
77.5°	106.1	100.0	94.7	101.6	190.9	622.3	577.3	861.9	1028.4	1265.8	1462.8
80°	80.9	77.2	80.2	87.9	114.5	572.6	573.4	573.4	618.4	696.3	774.2
82.5°	53.4	48.9	55.8	72.5	86.2	431.4	592.4	506.1	497.8	494.8	500.1
85°	33.6	29.0	39.0	54.2	66.5	225.3	607.7	534.4	495.4	458.0	420.7
87.5°	12.1	13.7	19.9	31.4	43.5	97.7	533.0	471.0	444.3	397.8	354.2
90°	3.1	2.2	3.9	9.2	9.9	18.3	81.7	130.5	77.8	39.0	31.4
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: P271662

CATALOG NUMBER: IST-AF-1000-LED-E1-SL2-7027

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	63°
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: P271662

CATALOG NUMBER: IST-AF-1000-LED-E1-SL2-7027

CANDELA DISTRIBUTION (continued):

	64°	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°
0°	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6
2.5°	1049.0	1052.8	1054.3	1052.8	1053.6	1058.1	1056.7	1058.9	1058.9	1060.4	1060.4
5°	1014.6	1017.7	1023.8	1023.1	1029.2	1031.4	1033.7	1036.8	1040.6	1042.9	1047.4
7.5°	974.2	980.3	985.6	988.7	992.4	1000.2	1002.5	1009.3	1015.4	1021.6	1026.1
10°	935.2	943.7	949.8	952.0	960.5	964.3	972.7	978.1	985.6	993.3	1000.2
12.5°	902.3	910.1	913.0	920.8	928.4	936.0	939.9	949.8	957.4	967.4	976.5
15°	878.0	885.5	891.7	897.0	904.8	912.4	918.4	928.4	937.5	947.4	955.9
17.5°	862.7	867.3	874.9	879.5	888.6	897.9	904.8	916.2	926.2	934.5	945.9
20°	851.2	856.6	863.5	870.4	878.7	890.2	896.3	908.5	919.2	929.2	939.9
22.5°	845.1	850.5	857.4	864.3	873.4	882.6	892.5	903.2	914.7	925.3	936.0
25°	842.9	847.4	853.6	860.5	870.4	880.2	888.6	900.9	910.8	922.3	935.2
27.5°	843.7	846.7	853.6	859.7	869.6	878.7	887.2	899.3	910.8	921.5	934.5
30°	846.7	849.0	855.8	861.1	869.6	878.7	886.4	899.3	909.3	920.8	934.5
32.5°	857.4	860.5	863.5	867.3	874.9	881.8	891.0	902.3	911.6	923.1	934.5
35°	882.6	880.2	882.6	884.1	889.4	896.3	903.2	913.0	921.5	931.5	943.7
37.5°	922.3	917.7	919.2	918.4	918.4	923.1	929.9	936.8	943.7	953.6	965.8
40°	995.5	984.1	981.1	972.7	970.3	974.2	978.7	979.5	988.0	1000.9	1006.2
42.5°	1090.3	1074.9	1077.2	1063.5	1059.7	1055.1	1061.2	1057.5	1062.8	1071.2	1082.5
45°	1239.9	1225.4	1210.1	1188.0	1192.5	1175.7	1171.2	1172.6	1171.9	1175.1	1188.7
47.5°	1418.5	1399.4	1389.5	1381.1	1365.1	1355.1	1342.2	1323.1	1327.7	1333.7	1346.0
50°	1679.7	1673.5	1654.5	1627.0	1623.1	1608.7	1604.8	1588.0	1581.9	1581.2	1580.4
52.5°	2028.6	1988.8	1981.2	1955.3	1935.4	1921.7	1917.1	1893.4	1869.7	1883.5	1881.9
55°	2453.8	2420.9	2379.0	2356.1	2340.1	2307.2	2298.9	2269.0	2255.3	2247.6	2228.5
57.5°	3168.4	3053.1	2966.8	2924.2	2863.8	2802.7	2781.3	2720.2	2672.9	2639.3	2641.6
60°	4414.5	4209.0	3966.9	3858.6	3607.4	3570.8	3398.2	3356.2	3252.3	3183.6	3144.0
62.5°	5506.1	5450.5	5334.3	5176.3	4924.4	4634.3	4503.7	4244.1	4041.0	3952.5	3829.6
65°	6027.5	6106.2	6138.3	6108.6	6007.8	5830.6	5674.9	5421.5	5080.9	4888.5	4649.5
66°	6000.9	6117.6	6176.5	6207.0	6170.4	6065.7	5902.4	5694.0	5430.5	5137.4	4869.4
67.5°	5805.5	5919.2	6000.9	6094.0	6094.0	6061.2	5994.7	5855.8	5669.6	5413.7	5173.2
70°	5006.8	5161.0	5305.4	5333.6	5413.0	5388.6	5441.2	5352.7	5308.4	5201.5	5072.5
72.5°	3900.6	4029.5	4153.2	4277.0	4256.3	4229.6	4224.3	4242.7	4152.5	4184.6	4151.0
75°	2594.2	2816.5	2943.2	2931.0	2939.3	2946.2	2889.8	2763.7	2861.6	2737.9	2779.1
77.5°	1576.5	1679.7	1714.0	1675.8	1626.2	1562.1	1458.9	1398.8	1312.4	1319.3	1262.0
80°	826.8	839.8	812.3	735.3	693.2	655.0	537.5	484.8	435.9	417.6	376.4
82.5°	474.1	442.9	409.2	383.3	333.6	300.0	254.2	225.3	193.9	166.5	156.6
85°	384.0	342.1	310.7	281.7	248.1	218.4	180.2	150.4	127.5	110.7	106.9
87.5°	316.8	287.9	255.7	228.3	195.4	164.9	127.5	99.3	78.6	63.4	58.7
90°	28.3	38.2	27.5	15.3	22.9	12.1	6.8	7.6	6.1	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: P271662

CATALOG NUMBER: IST-AF-1000-LED-E1-SL2-7027

CANDELA DISTRIBUTION (continued):

	64°	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°
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: P271662

CATALOG NUMBER: IST-AF-1000-LED-E1-SL2-7027

CANDELA DISTRIBUTION (continued):

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6
2.5°	1062.8	1062.8	1064.3	1065.7	1066.6	1066.6	1066.6	1068.1	1068.8	1066.6	1068.8
5°	1049.8	1053.6	1056.7	1058.9	1059.7	1062.0	1064.3	1065.7	1068.1	1068.1	1069.6
7.5°	1032.2	1039.1	1042.9	1046.7	1050.6	1054.3	1058.9	1062.0	1063.5	1066.6	1068.8
10°	1010.1	1018.5	1026.1	1032.2	1037.5	1045.2	1051.3	1055.9	1062.8	1063.5	1068.8
12.5°	986.4	998.6	1004.8	1016.3	1023.8	1035.3	1041.3	1048.2	1055.9	1059.7	1065.7
15°	969.6	980.3	991.8	1002.5	1014.6	1028.4	1036.0	1045.2	1055.9	1064.3	1071.9
17.5°	956.7	971.2	984.1	997.8	1013.1	1027.6	1039.1	1049.0	1062.8	1067.4	1074.9
20°	952.8	968.8	981.8	996.3	1012.4	1031.4	1045.2	1055.9	1069.6	1077.2	1084.2
22.5°	951.2	966.6	981.8	999.4	1016.9	1036.8	1051.3	1065.0	1078.8	1085.6	1091.0
25°	949.8	965.8	982.6	1002.5	1021.6	1042.1	1058.9	1071.9	1085.0	1091.8	1096.3
27.5°	949.8	966.6	984.9	1004.8	1025.3	1048.2	1064.3	1076.5	1087.9	1094.0	1095.7
30°	949.0	966.6	984.1	1006.2	1028.4	1052.1	1069.6	1081.1	1091.0	1094.9	1093.2
32.5°	950.6	968.8	988.0	1010.1	1033.1	1055.9	1074.2	1087.2	1092.5	1091.8	1091.0
35°	958.1	974.9	997.1	1019.3	1042.9	1064.3	1081.8	1091.0	1095.7	1094.0	1090.3
37.5°	978.7	995.5	1017.7	1042.1	1060.4	1085.0	1101.0	1107.8	1108.6	1103.9	1094.9
40°	1021.6	1038.4	1058.1	1085.0	1107.0	1123.8	1139.1	1146.8	1142.1	1133.8	1123.8
42.5°	1089.5	1110.8	1134.5	1155.8	1181.9	1204.8	1208.6	1213.1	1205.5	1189.4	1177.3
45°	1198.7	1211.6	1242.2	1258.2	1291.9	1303.2	1311.6	1314.0	1297.2	1284.1	1262.7
47.5°	1355.9	1381.1	1402.5	1417.7	1442.2	1457.5	1474.3	1466.7	1453.6	1431.4	1403.2
50°	1603.3	1619.4	1646.9	1674.4	1700.2	1710.9	1710.9	1703.3	1694.9	1652.2	1617.8
52.5°	1907.1	1908.7	1948.3	1981.2	2003.3	1987.3	2006.5	1987.3	1982.0	1952.2	1923.9
55°	2259.1	2244.7	2292.7	2321.7	2341.5	2360.7	2356.8	2354.5	2334.7	2301.1	2266.7
57.5°	2593.5	2635.4	2658.4	2701.1	2711.1	2724.1	2718.7	2711.1	2699.7	2680.5	2665.3
60°	3076.1	3104.3	3124.8	3133.3	3161.6	3165.4	3184.4	3153.1	3160.8	3138.6	3090.5
62.5°	3732.5	3702.1	3718.2	3718.2	3709.7	3680.0	3696.0	3708.1	3687.5	3669.3	3661.6
65°	4467.8	4369.4	4274.7	4258.7	4215.2	4205.1	4193.0	4162.5	4149.5	4117.4	4091.4
66°	4687.7	4535.0	4445.7	4390.7	4338.1	4326.6	4309.8	4277.7	4251.8	4206.8	4163.3
67.5°	4934.3	4737.3	4602.9	4525.1	4460.2	4417.4	4383.9	4338.1	4296.9	4229.6	4160.1
70°	4918.3	4755.6	4593.8	4475.4	4377.7	4289.9	4238.0	4139.5	4055.6	3959.4	3880.0
72.5°	4132.7	4103.6	4009.8	3943.3	3823.5	3776.8	3639.4	3576.8	3460.8	3336.3	3298.1
75°	2872.9	2759.1	2711.1	2684.3	2631.7	2486.6	2392.0	2412.6	2276.7	2155.2	2085.9
77.5°	1255.9	1278.7	1146.0	1086.4	1040.6	961.9	888.6	838.3	809.2	790.1	703.9
80°	347.4	303.1	299.2	277.8	273.4	243.5	247.3	226.0	211.6	208.5	201.6
82.5°	151.9	148.8	144.3	142.0	139.8	136.6	132.9	132.1	127.5	123.7	124.4
85°	100.8	100.0	97.7	95.4	91.5	86.2	82.5	79.4	80.2	76.4	75.5
87.5°	58.7	57.2	56.5	53.4	52.7	48.1	48.9	45.1	44.3	43.5	41.2
90°	8.4	9.2	11.5	10.7	7.6	14.6	12.1	10.7	11.5	9.2	9.2
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: P271662
 CATALOG NUMBER: IST-AF-1000-LED-E1-SL2-7027

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	
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: P271662
 NUMBER: IST-AF-1000-LED-E1-SL2-7027

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	110°	86°
1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	110°	0.0
1071.2	1072.7	1073.5	1072.7	1074.2	1073.5	1074.2	1073.5	1069.6	1068.8	1068.1	112.5°	0.0
1072.7	1075.7	1076.5	1077.2	1075.7	1077.2	1074.2	1062.0	1048.2	1033.1	1020.7	115°	0.0
1074.2	1078.1	1080.3	1080.3	1081.1	1079.5	1068.1	1041.3	1009.3	977.3	952.8	117.5°	0.0
1073.5	1078.8	1081.1	1081.8	1081.8	1078.8	1051.3	1008.5	959.7	910.8	861.1	120°	0.0
1071.2	1075.7	1079.5	1079.5	1080.3	1069.6	1026.9	965.8	896.3	822.9	756.6	122.5°	0.0
1075.7	1080.3	1080.3	1080.3	1079.5	1061.2	1000.9	912.4	819.3	719.9	621.4	125°	0.0
1082.5	1085.0	1083.4	1083.4	1080.3	1052.8	971.9	859.7	737.5	606.2	468.7	127.5°	0.0
1088.7	1090.3	1089.5	1085.6	1081.8	1043.7	942.1	803.9	639.9	468.7	332.1	130°	0.0
1094.9	1096.3	1092.5	1086.4	1081.1	1031.4	906.2	732.9	529.1	320.7	219.8	132.5°	0.0
1095.7	1097.1	1090.3	1081.8	1074.2	1013.1	862.7	657.4	407.7	207.7	171.8	135°	0.0
1094.9	1093.2	1081.8	1071.2	1062.8	991.0	814.7	563.5	271.7	156.6	149.7	137.5°	0.0
1089.5	1082.5	1073.5	1061.2	1049.0	966.6	766.5	458.9	171.8	135.9	135.9	140°	0.0
1081.8	1074.9	1063.5	1047.4	1033.7	943.0	711.5	352.0	137.4	125.2	126.8	142.5°	0.0
1078.8	1071.2	1054.3	1037.5	1019.9	921.5	653.6	236.6	123.7	118.4	119.0	145°	0.0
1085.0	1071.9	1055.1	1036.0	1015.4	903.2	593.2	164.9	116.8	110.7	112.2	147.5°	0.0
1105.5	1093.2	1073.5	1049.0	1026.9	892.5	529.1	136.6	110.0	104.7	104.7	150°	0.0
1155.1	1139.1	1112.4	1083.4	1056.7	899.3	471.8	124.4	104.7	99.3	99.3	152.5°	0.0
1235.3	1216.2	1185.0	1152.1	1117.0	933.0	406.9	119.8	100.8	93.2	91.5	155°	0.0
1372.7	1347.5	1306.2	1267.4	1225.4	991.0	341.3	116.8	96.2	89.3	86.2	157.5°	0.0
1588.8	1551.4	1502.5	1451.3	1400.2	1097.1	289.3	113.7	93.2	86.2	83.3	160°	0.0
1866.7	1841.4	1780.4	1713.2	1652.2	1308.7	259.6	111.5	90.9	82.5	80.2	162.5°	0.0
2220.9	2179.6	2131.6	2071.3	1998.8	1582.6	256.6	110.7	88.6	79.4	77.8	165°	0.0
2595.0	2579.0	2497.3	2459.9	2381.2	1947.6	312.3	112.2	87.0	77.2	74.8	167.5°	0.0
3021.8	3028.0	2951.7	2910.4	2845.4	2410.3	497.0	116.8	87.0	74.8	72.5	170°	0.0
3579.9	3589.9	3499.8	3450.9	3396.0	2928.7	781.1	124.4	89.3	72.5	70.2	172.5°	0.0
4037.3	3983.8	3925.8	3840.3	3770.7	3218.0	752.0	138.2	92.3	70.2	67.9	175°	0.0
4084.5	4046.3	3973.1	3880.7	3796.0	3219.5	656.6	142.8	93.2	69.5	67.2	177.5°	0.0
4078.5	4010.6	3927.3	3849.3	3766.2	3137.2	507.7	148.8	95.4	67.9	65.7	180°	0.0
3796.0	3700.6	3619.6	3511.9	3424.9	2807.2	312.3	148.1	92.3	63.4	61.8		
3130.2	3081.4	2985.2	2898.9	2808.0	2272.2	213.8	132.1	81.7	57.2	58.0		
2024.7	1968.9	1871.3	1822.4	1771.3	1453.6	166.5	107.7	69.5	51.1	53.4		
675.6	653.6	617.7	637.4	607.7	566.5	122.2	81.7	55.8	44.3	47.3		
202.3	197.8	204.6	192.3	203.8	172.6	80.2	57.2	42.8	38.2	42.0		
119.8	118.4	118.4	118.4	115.3	107.7	52.7	39.6	32.8	32.1	35.1		
73.3	71.8	72.5	71.8	73.3	65.7	35.9	27.5	24.4	23.6	28.3		
42.0	42.0	42.8	41.2	42.0	40.4	25.2	17.6	16.0	15.3	20.6		
9.9	9.9	7.6	6.8	7.6	10.7	6.8	5.3	4.6	3.9	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	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'271662
 IST-AF-1000-LED-E1-SL2-7027

REPORT NUMBER: P271662
 CATALOG NUMBER: IST-AF-10

TION (continued):

CANDELA DISTRIBUTION (con

87°	88°	89°	90°	95°	105°	115°	125°	135°	145°		155°	165°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	1069.6	1069.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1062.0	1056.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	1001.7	987.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	914.7	897.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	815.4	790.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	688.6	639.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	542.0	475.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	373.3	319.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	261.9	242.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	202.3	203.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	167.9	175.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	148.1	155.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	135.9	142.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	127.5	130.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	117.6	119.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	109.1	109.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	101.6	100.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	94.7	94.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	87.9	88.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	84.0	84.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	80.2	80.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	77.2	77.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	74.1	73.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	71.8	70.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	69.5	67.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	67.9	65.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	66.5	64.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66°	65.7	64.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	64.9	63.4
										70°	61.8	60.4
										72.5°	57.2	56.5
										75°	52.7	51.1
										77.5°	46.6	45.8
										80°	39.6	39.0
										82.5°	33.6	32.1
										85°	26.7	25.2
										87.5°	18.3	16.8
										90°	4.6	5.3
										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: P271662

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

00-LED-E1-SL2-7027

tinued):

175°	180°
1069.6	1069.6
1052.1	1058.9
982.6	980.3
884.1	884.9
765.0	766.5
610.8	601.7
437.5	441.2
304.6	303.9
244.2	245.9
209.1	209.1
186.3	186.3
164.1	164.9
148.8	150.4
135.1	135.9
121.5	122.2
110.0	110.0
102.2	103.0
96.9	96.9
91.5	91.5
87.0	88.6
82.5	83.3
77.8	78.6
73.3	73.3
69.5	69.5
66.5	65.7
64.0	62.6
61.8	61.1
61.1	60.4
60.4	59.6
58.7	58.0
56.5	55.8
51.9	50.3
47.3	45.8
43.5	41.2
36.7	35.1
26.7	25.2
16.0	16.0
3.9	3.9
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

CANDELA DISTRIBUTION (continued):

	155°	165°	175°
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

