

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: P226251

Luminaire Tested: **IST-AF-1000-LED-E1-T2-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P226251  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35937)  
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-T2-7030  
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II  
Light Source: (16) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5358.8 lumens  
Efficiency: N/A  
Efficacy: 98.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium - Cutoff  
BUG Rating: B1 - U1 - G1

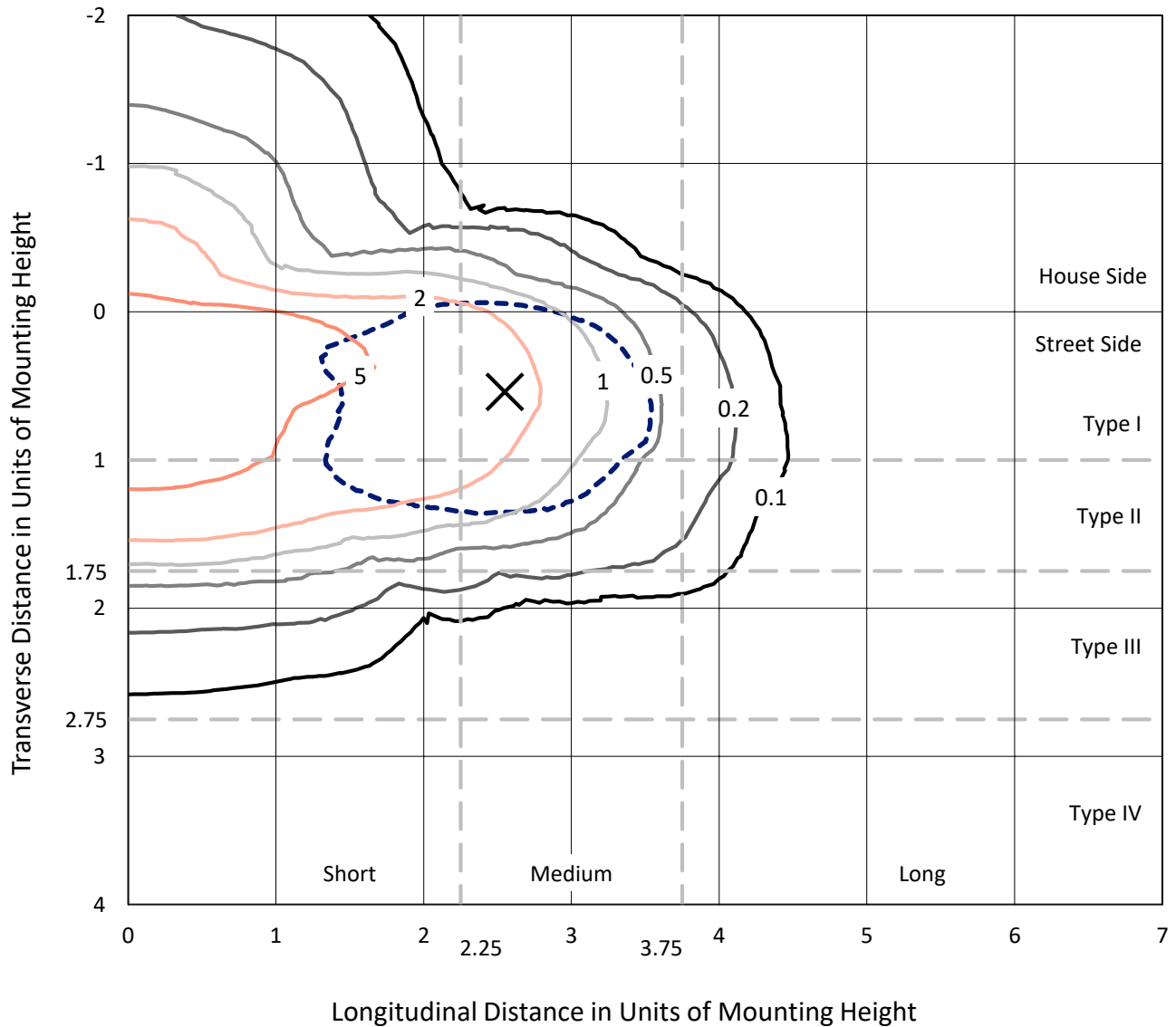
Input Watts (W): 54.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P226251  
 CATALOG NUMBER: IST-AF-1000-LED-E1-T2-7030

### Iso-Footcandle Lines of Horizontal Illumination

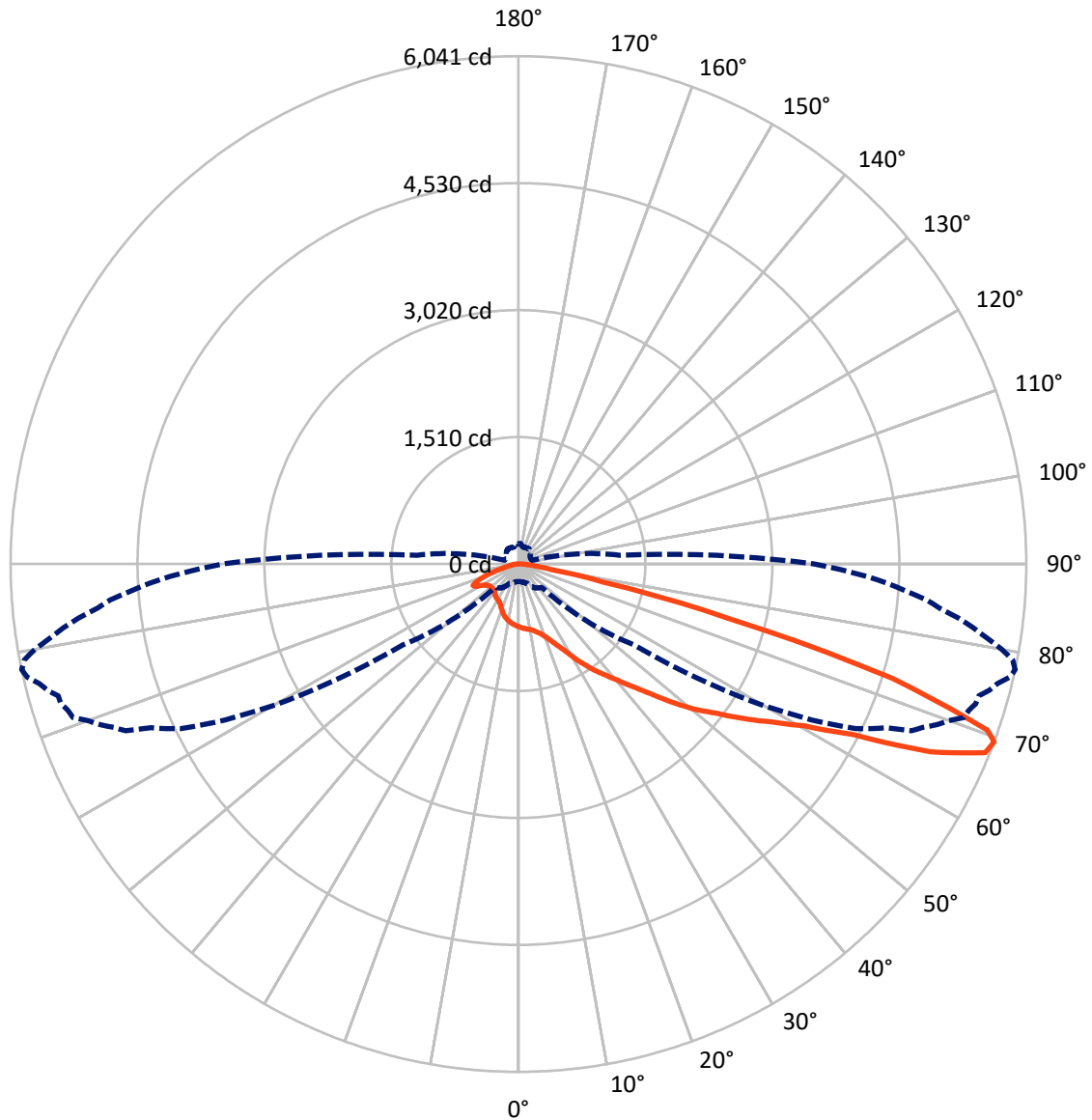
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 fc  
 Type II - Medium - Cutoff

REPORT NUMBER: P226251  
CATALOG NUMBER: IST-AF-1000-LED-E1-T2-7030

### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P226251

CATALOG NUMBER: IST-AF-1000-LED-E1-T2-7030

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	979.8	1.9	981.6
	% Fixture	18.3	0.0	18.3
<b>Street Side</b>	Lumens	4376.2	0.9	4377.1
	% Fixture	81.7	0.0	81.7
<b>Total</b>	Lumens	5356.0	2.8	5358.8
	% Fixture	99.9	0.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.2	1.3
10°-20°	209.0	3.9
20°-30°	374.6	7.0
30°-40°	611.5	11.4
40°-50°	904.5	16.9
50°-60°	1181.0	22.0
60°-70°	1320.8	24.6
70°-80°	593.0	11.1
80°-90°	92.5	1.7
90°-100°	2.8	0.1
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°	5356.0	99.9
0°-180°	5358.8	100.0



REPORT NUMBER: P226251

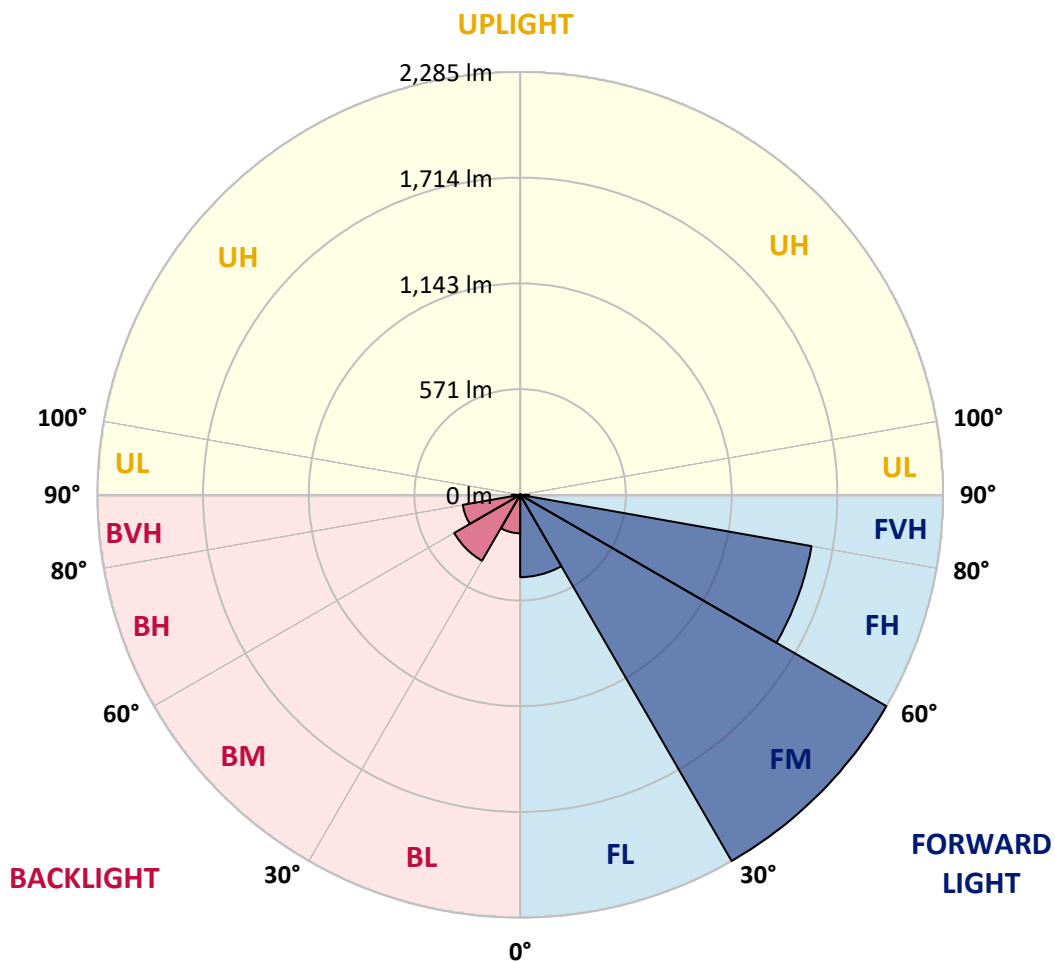
CATALOG NUMBER: IST-AF-1000-LED-E1-T2-7030

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	444.8	8.3			
FM (30°-60°)	2285.3	42.6			
FH (60°-80°)	1598.9	29.8			G1/1800
FVH (80°-90°)	47.2	0.9			G1/100
BL (0°-30°)	208.0	3.9	B1/500		
BM (30°-60°)	411.7	7.7	B1/1000		
BH (60°-80°)	314.9	5.9	B1/500		G1/500
BVH (80°-90°)	45.3	0.8			G1/100
UL (90°-100°)	2.8	0.1		U1/10	
UH (100°-180°)	1.9	0.0		U1/10	

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

Type II Medium





REPORT NUMBER: P226251

CATALOG NUMBER: IST-AF-1000-LED-E1-T2-7030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2
2.5°	798.1	798.1	795.8	794.3	791.9	785.7	776.4	774.8	774.0	772.5	770.9
5°	856.5	850.3	851.8	847.9	839.4	828.5	811.4	802.8	798.1	797.4	794.3
7.5°	903.9	904.7	902.4	894.6	882.9	869.7	846.4	833.2	829.3	826.9	821.5
10°	938.2	935.8	934.3	932.7	923.4	912.5	882.9	866.6	863.5	857.3	851.0
12.5°	963.1	963.1	963.1	961.5	956.1	947.5	924.2	907.8	903.9	895.4	889.9
15°	990.3	987.2	984.1	981.7	982.5	982.5	965.4	953.0	946.7	942.1	931.2
17.5°	1048.6	1041.6	1034.6	1025.3	1010.5	1006.6	1005.9	1005.1	996.5	995.7	984.8
20°	1098.4	1092.2	1086.0	1076.6	1055.6	1033.1	1044.7	1055.6	1054.1	1054.9	1049.4
22.5°	1159.9	1155.2	1142.8	1131.9	1104.6	1077.4	1079.0	1102.3	1105.4	1108.5	1110.1
25°	1243.9	1241.6	1221.3	1200.3	1169.2	1143.5	1119.4	1148.2	1154.4	1161.4	1175.4
27.5°	1328.7	1323.2	1301.5	1282.8	1243.9	1216.7	1183.2	1198.8	1208.1	1221.3	1243.1
30°	1438.4	1423.6	1415.8	1373.8	1338.0	1298.4	1269.6	1274.2	1272.7	1288.2	1321.7
32.5°	1597.1	1573.7	1534.8	1492.8	1450.8	1397.9	1373.8	1373.0	1369.1	1387.0	1405.7
35°	1682.6	1677.2	1653.1	1611.1	1565.2	1515.4	1499.8	1485.1	1487.4	1496.7	1503.7
37.5°	1775.2	1770.6	1751.9	1728.5	1693.5	1720.8	1634.4	1612.6	1602.5	1597.9	1600.2
40°	1815.7	1819.6	1829.7	1833.6	1813.3	1944.0	1773.7	1702.1	1699.0	1692.0	1685.0
42.5°	1824.2	1834.3	1854.6	1898.9	1918.4	2203.1	1888.8	1802.4	1790.0	1784.6	1785.3
45°	1855.3	1870.9	1874.8	1915.2	2007.0	2216.3	2018.7	1891.1	1881.8	1881.0	1876.3
47.5°	1930.8	1951.8	1951.8	1969.7	2056.8	2242.0	2063.0	1979.8	1973.6	1970.5	1982.9
50°	1941.7	1969.7	2025.7	2083.3	2146.3	2263.0	2113.6	2076.3	2078.6	2085.6	2122.2
52.5°	1757.3	1785.3	1933.1	2102.7	2308.1	2320.5	2189.9	2204.6	2220.2	2254.4	2321.3
55°	1506.8	1527.1	1702.1	1973.6	2314.3	2539.1	2381.2	2422.4	2455.1	2465.2	2570.3
57.5°	1186.3	1214.3	1392.5	1744.9	2161.1	2601.4	2821.5	2840.2	2803.6	2837.1	2875.2
60°	642.6	639.5	887.6	1261.8	1839.0	2486.2	3246.3	3566.8	3574.6	3625.9	3564.4
62.5°	359.4	359.4	431.0	648.0	1183.2	2103.5	3450.1	4195.3	4292.6	4374.3	4554.0
65°	271.5	273.8	299.5	390.5	664.3	1327.9	3300.7	4410.0	4596.7	4784.2	5099.3
67.5°	225.6	225.6	244.3	290.9	415.4	602.9	2430.2	3979.1	4212.4	4436.5	4872.1
69°	209.3	210.0	224.0	255.9	347.7	392.1	1678.8	3373.8	3640.7	3951.1	4464.5
70°	201.5	199.1	212.4	238.8	315.1	309.6	1229.9	2933.5	3140.5	3419.0	4009.4
72.5°	178.9	176.6	183.6	203.8	248.2	220.9	501.8	1578.4	1890.4	2202.3	2672.9
75°	159.5	157.1	162.6	171.9	192.9	168.8	252.0	661.2	800.5	1034.6	1427.5
77.5°	140.8	136.1	140.8	147.0	151.7	126.0	171.1	305.7	375.0	460.5	650.3
80°	127.6	122.9	128.4	125.2	119.0	97.2	113.6	178.1	197.6	236.5	309.6
82.5°	91.0	90.2	122.1	126.0	94.9	70.8	80.9	114.4	127.6	134.6	163.4
85°	56.0	53.7	70.8	90.2	96.5	44.3	52.1	67.7	70.8	77.0	91.0
87.5°	28.8	29.6	38.1	46.7	63.0	26.4	31.1	39.7	39.7	39.7	45.1
90°	7.0	8.6	11.7	16.3	13.2	7.0	11.7	9.3	10.9	9.3	10.9
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: P226251

CATALOG NUMBER: IST-AF-1000-LED-E1-T2-7030

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
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: P226251

CATALOG NUMBER: IST-AF-1000-LED-E1-T2-7030

**CANDELA DISTRIBUTION (continued):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2
2.5°	771.7	769.4	766.3	767.0	765.5	763.1	763.9	763.1	763.9	762.4	760.8
5°	794.3	792.7	788.0	787.3	785.7	784.1	781.8	779.5	778.7	777.1	774.0
7.5°	819.9	815.3	812.9	809.8	805.9	799.7	798.9	795.8	793.5	791.9	788.0
10°	846.4	840.9	837.8	833.9	830.0	826.2	822.3	816.8	811.4	809.8	805.1
12.5°	886.1	879.1	872.8	866.6	862.7	855.7	850.3	843.3	837.8	835.5	827.7
15°	929.6	920.3	914.1	909.4	903.2	896.9	889.9	883.7	875.2	868.2	861.2
17.5°	981.0	972.4	967.7	959.2	951.4	944.4	939.0	931.2	924.2	911.7	905.5
20°	1048.6	1041.6	1036.2	1026.9	1018.3	1011.3	1006.6	990.3	981.0	970.1	960.0
22.5°	1111.7	1112.4	1107.0	1100.8	1095.3	1086.0	1078.2	1066.5	1054.9	1041.6	1027.6
25°	1180.1	1186.3	1187.1	1185.6	1182.4	1171.6	1167.7	1156.0	1146.7	1124.9	1118.7
27.5°	1256.3	1263.3	1271.9	1282.8	1285.1	1273.5	1278.9	1267.2	1250.9	1241.6	1221.3
30°	1330.2	1349.7	1367.6	1380.0	1387.8	1393.3	1389.4	1385.5	1374.6	1359.0	1341.1
32.5°	1425.2	1445.4	1463.3	1490.5	1504.5	1521.6	1518.5	1520.1	1516.2	1500.6	1479.6
35°	1520.8	1538.7	1562.1	1580.0	1614.2	1632.9	1648.4	1647.6	1647.6	1638.3	1618.1
37.5°	1605.6	1615.7	1635.2	1664.8	1687.3	1716.9	1741.8	1751.9	1768.2	1769.0	1747.2
40°	1694.3	1704.4	1719.2	1741.0	1765.9	1800.9	1834.3	1867.0	1882.6	1898.9	1890.4
42.5°	1790.0	1800.9	1811.8	1825.8	1861.6	1888.8	1933.9	1978.3	2010.2	2043.6	2039.7
45°	1884.9	1897.4	1912.9	1933.9	1965.8	2010.2	2053.7	2103.5	2176.6	2216.3	2243.5
47.5°	1992.3	2012.5	2041.3	2074.7	2100.4	2146.3	2201.5	2278.5	2352.4	2420.9	2463.7
50°	2154.1	2161.8	2208.5	2241.2	2290.2	2336.9	2392.1	2459.8	2555.5	2625.5	2693.9
52.5°	2344.7	2374.2	2420.9	2458.2	2497.1	2543.8	2600.6	2661.3	2756.2	2834.7	2923.4
55°	2590.5	2632.5	2672.9	2693.2	2747.6	2789.6	2835.5	2895.4	2997.3	3082.9	3187.1
57.5°	2883.8	2925.8	2945.2	2974.8	2998.1	3044.8	3107.0	3147.5	3237.7	3326.4	3436.9
60°	3485.9	3459.4	3482.8	3436.9	3429.9	3433.7	3447.0	3478.1	3528.7	3611.1	3727.8
62.5°	4572.6	4534.5	4433.4	4396.8	4326.0	4230.3	4140.1	4127.7	4101.2	4163.4	4236.6
65°	5207.4	5345.9	5360.7	5399.6	5371.6	5296.9	5191.1	5156.8	5071.3	5011.4	5007.5
67.5°	5054.9	5262.6	5392.6	5556.7	5647.7	5736.4	5759.7	5790.1	5734.8	5707.6	5715.4
69°	4631.0	4785.0	5075.9	5188.0	5331.9	5450.1	5605.7	5632.9	5686.6	5694.4	5797.9
70°	4210.9	4437.3	4603.7	4771.8	4970.9	5100.8	5170.8	5286.0	5419.0	5484.3	5596.4
72.5°	3027.7	3101.6	3219.8	3437.6	3492.9	3627.5	3765.1	3863.2	4019.5	4130.0	4393.7
75°	1633.6	1678.0	1863.9	1987.6	2020.3	2064.6	2165.7	2189.9	2248.2	2284.0	2537.6
77.5°	746.0	813.7	837.8	905.5	867.4	886.1	910.2	904.7	921.1	998.9	1087.5
80°	343.8	357.1	366.4	394.4	396.0	389.7	392.1	388.2	385.1	397.5	406.9
82.5°	167.3	187.5	187.5	204.6	213.2	210.8	215.5	213.9	217.0	213.9	224.0
85°	98.0	98.0	105.8	115.1	113.6	116.7	116.7	122.9	123.7	125.2	125.2
87.5°	45.9	50.6	52.9	56.8	58.3	60.7	62.2	62.2	63.0	61.5	63.0
90°	11.7	11.7	19.4	19.4	21.0	23.3	20.2	21.8	27.2	20.2	25.7
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: P226251

CATALOG NUMBER: IST-AF-1000-LED-E1-T2-7030

**CANDELA DISTRIBUTION (continued):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
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: P226251  
 CATALOG NUMBER: IST-AF-1000-LED-E1-T2-7030

**CANDELA DISTRIBUTION (continued):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2
2.5°	759.3	760.8	760.0	756.9	756.1	756.1	754.6	753.8	752.3	751.5	753.0
5°	773.3	773.3	770.9	767.8	764.7	763.9	763.1	759.3	757.7	756.1	754.6
7.5°	786.5	784.9	781.8	776.4	773.3	772.5	769.4	765.5	761.6	758.5	756.9
10°	800.5	798.9	792.7	788.8	782.6	781.8	776.4	771.7	767.8	763.9	760.8
12.5°	820.7	819.2	812.2	802.8	798.1	795.0	788.0	782.6	777.1	772.5	767.0
15°	851.8	845.6	840.9	831.6	824.6	818.4	809.8	802.0	794.3	786.5	781.8
17.5°	895.4	886.8	874.4	868.9	859.6	849.5	837.8	832.4	822.3	812.9	803.6
20°	952.2	943.6	924.2	917.2	903.9	889.2	879.8	868.2	859.6	844.8	834.7
22.5°	1015.2	1007.4	988.7	970.1	957.6	946.0	931.2	916.4	900.1	886.1	875.2
25°	1096.9	1085.2	1068.9	1050.2	1031.5	1015.2	995.0	974.0	960.0	940.5	924.9
27.5°	1208.1	1187.9	1160.7	1140.4	1125.7	1100.8	1075.9	1057.2	1035.4	1009.7	992.6
30°	1328.7	1306.1	1285.9	1262.6	1237.7	1213.6	1179.3	1152.1	1128.8	1101.5	1073.5
32.5°	1462.5	1443.0	1414.3	1383.9	1356.7	1326.4	1301.5	1272.7	1232.2	1203.4	1173.9
35°	1597.1	1574.5	1545.0	1519.3	1488.2	1457.0	1429.0	1390.9	1354.4	1313.1	1271.9
37.5°	1727.0	1707.5	1674.9	1636.0	1608.7	1575.3	1546.5	1506.1	1462.5	1416.6	1385.5
40°	1871.7	1840.6	1818.0	1772.9	1744.9	1707.5	1666.3	1635.2	1593.2	1543.4	1499.1
42.5°	2037.4	2015.6	1991.5	1954.9	1925.4	1881.0	1828.9	1789.2	1750.3	1691.2	1629.7
45°	2247.4	2233.4	2193.7	2164.2	2124.5	2077.8	2032.7	1984.5	1923.0	1854.6	1798.6
47.5°	2499.5	2488.6	2452.8	2410.8	2358.7	2295.6	2253.6	2187.5	2135.4	2049.8	1982.9
50°	2728.2	2733.6	2714.2	2649.6	2602.9	2539.9	2473.8	2416.2	2336.1	2247.4	2161.8
52.5°	3001.2	2995.8	2946.8	2911.0	2855.8	2779.5	2707.2	2633.3	2545.4	2453.6	2347.0
55°	3262.6	3278.9	3244.7	3194.1	3127.2	3020.7	2947.5	2851.9	2759.3	2658.2	2535.2
57.5°	3516.2	3568.3	3541.9	3482.0	3413.5	3336.5	3240.0	3132.7	3037.0	2904.8	2766.3
60°	3832.0	3901.3	3912.2	3873.3	3798.6	3709.1	3582.3	3498.3	3366.8	3244.7	3138.1
62.5°	4318.2	4475.4	4466.1	4484.7	4431.8	4376.6	4228.0	4137.8	3966.6	3878.7	3730.1
65°	5130.4	5246.3	5385.6	5380.9	5344.3	5212.1	5058.0	4907.1	4794.3	4620.9	4466.1
67.5°	5811.9	5907.5	5990.0	5947.2	5863.2	5714.6	5534.1	5324.1	5152.2	4960.8	4757.8
69°	5875.6	5992.3	6040.6	5987.7	5836.7	5643.0	5466.5	5271.2	5034.7	4870.6	4623.2
70°	5704.5	5819.6	5916.9	5780.7	5642.3	5453.2	5260.3	5057.3	4845.7	4669.1	4419.4
72.5°	4531.4	4661.3	4648.1	4633.3	4522.8	4333.8	4156.4	4047.5	3898.9	3685.8	3505.3
75°	2634.8	2694.7	2589.7	2700.2	2567.9	2377.3	2402.2	2279.3	2170.4	2047.5	1952.6
77.5°	1034.6	1087.5	1032.3	1014.4	955.3	942.1	843.3	854.9	805.9	709.5	665.1
80°	392.1	399.1	389.7	370.3	366.4	343.8	337.6	315.8	305.7	273.8	262.2
82.5°	210.8	214.7	208.5	202.3	197.6	184.4	175.8	159.5	150.1	140.0	139.2
85°	121.4	118.2	115.1	112.0	105.0	97.2	91.0	84.8	77.8	72.3	66.9
87.5°	63.8	64.6	65.3	62.2	57.6	51.3	47.5	45.1	39.7	37.3	35.0
90°	21.0	15.6	17.9	22.6	21.0	17.1	16.3	14.0	11.7	11.7	9.3
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: P226251  
 CATALOG NUMBER: IST-AF-1000-LED-E1-T2-7030

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°	
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	67.5°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°
												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: P226251  
 NUMBER: IST-AF-1000-LED-E1-T2-7030

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°	110°	87°
745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	745.2	110°	0.0
750.7	750.7	748.4	746.8	741.4	732.0	722.7	714.1	702.5	697.8	691.6	112.5°	0.0
753.0	751.5	749.1	746.0	735.1	713.4	690.8	666.7	641.8	619.2	592.8	115°	0.0
754.6	751.5	748.4	744.5	728.9	695.5	650.3	602.9	558.5	525.1	511.1	117.5°	0.0
755.4	753.0	749.1	743.7	721.9	672.1	599.8	531.3	492.4	479.2	476.9	120°	0.0
763.9	760.0	753.8	747.6	718.8	646.5	543.0	477.6	462.1	468.3	479.2	122.5°	0.0
774.8	770.1	762.4	756.1	717.2	613.0	487.8	447.3	452.8	469.9	487.8	125°	0.0
794.3	786.5	777.9	771.7	720.4	571.8	443.4	431.7	448.1	469.9	494.0	127.5°	0.0
823.0	812.2	802.0	791.1	725.0	520.4	417.0	421.6	441.1	464.4	490.9	130°	0.0
858.8	846.4	832.4	816.0	730.5	476.1	402.2	410.7	428.6	448.9	470.6	132.5°	0.0
907.1	889.9	872.1	851.8	738.2	427.9	389.0	398.3	409.2	420.9	431.7	135°	0.0
967.7	944.4	924.9	897.7	746.0	395.2	378.1	381.2	383.5	385.1	384.3	137.5°	0.0
1048.6	1012.9	990.3	956.8	754.6	378.1	365.6	361.7	357.8	352.4	346.2	140°	0.0
1134.2	1104.6	1068.9	1026.1	760.0	366.4	354.0	341.5	330.6	325.2	325.2	142.5°	0.0
1233.8	1197.2	1152.1	1098.4	753.0	354.0	338.4	322.1	315.8	322.8	320.5	145°	0.0
1333.4	1282.8	1233.0	1171.6	735.9	340.0	321.3	312.7	317.4	308.1	302.6	147.5°	0.0
1443.0	1387.0	1317.8	1246.2	711.0	325.2	312.7	317.4	301.1	290.2	294.8	150°	0.0
1566.0	1499.8	1425.2	1327.9	694.7	315.8	299.5	303.4	289.4	281.6	279.3	152.5°	0.0
1733.2	1639.1	1548.1	1433.7	707.1	301.1	273.8	289.4	281.6	274.6	268.4	155°	0.0
1897.4	1797.0	1689.6	1555.1	728.9	290.2	253.6	274.6	280.1	268.4	256.7	157.5°	0.0
2062.3	1955.7	1830.5	1680.3	755.4	283.2	238.0	256.7	276.2	262.2	252.8	160°	0.0
2235.7	2101.2	1972.8	1811.0	789.6	276.2	225.6	241.2	269.2	262.2	248.2	162.5°	0.0
2417.8	2259.1	2130.7	1955.7	849.5	266.0	210.0	228.7	262.2	261.4	243.5	165°	0.0
2629.4	2487.8	2322.9	2144.7	932.7	254.4	196.0	219.4	255.9	258.3	238.0	167.5°	0.0
2989.6	2843.3	2644.2	2474.6	1097.6	238.8	187.5	210.0	245.8	252.0	233.4	170°	0.0
3573.8	3374.6	3191.8	3033.1	1380.0	217.0	181.3	199.9	234.9	244.3	229.5	172.5°	0.0
4243.6	4049.1	3828.2	3561.3	1537.2	196.8	172.7	187.5	224.0	236.5	225.6	175°	0.0
4528.3	4273.9	4005.5	3688.9	1387.0	180.5	163.4	175.8	211.6	225.6	220.2	177.5°	0.0
4397.6	4140.1	3828.2	3517.8	1206.6	171.9	157.9	169.6	202.3	218.6	214.7	180°	0.0
4170.4	3911.4	3632.9	3260.3	1077.4	167.3	154.0	165.7	198.4	214.7	211.6		
3298.4	3067.3	2810.6	2526.7	734.4	151.7	141.6	154.0	182.8	200.7	199.9		
1748.0	1680.3	1490.5	1324.0	380.4	135.4	128.4	140.8	168.8	187.5	187.5		
629.3	571.0	546.1	453.5	202.3	118.2	115.1	124.5	153.3	171.1	170.4		
238.0	231.8	207.7	194.5	128.4	96.5	97.2	106.6	134.6	151.7	150.9		
134.6	122.1	118.2	114.4	81.7	76.2	80.1	89.5	115.1	129.9	132.2		
64.6	59.9	58.3	54.5	53.7	58.3	63.0	70.8	91.8	109.7	107.4		
31.1	29.6	28.8	28.0	38.1	37.3	45.9	49.0	61.5	87.1	78.6		
10.1	10.1	9.3	7.8	10.9	12.4	14.8	21.0	25.7	50.6	41.2		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'226251  
 IST-AF-1000-LED-E1-T2-7030

REPORT NUMBER: P226251  
 CATALOG NUMBER: IST-AF-10

**TION (continued):**

**CANDELA DISTRIBUTION (con**

88°	89°	90°	95°	105°	115°	125°	135°	145°	155°		165°	175°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	745.2	745.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	686.1	675.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	573.3	571.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	502.5	492.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	479.2	478.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	489.3	491.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	502.5	507.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	511.1	519.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	508.8	518.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	483.1	487.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	437.2	438.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	382.0	380.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	343.1	333.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	325.2	318.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	312.7	302.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	324.4	323.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	335.3	333.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	316.6	302.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	282.4	266.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	259.0	249.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	248.2	245.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	245.0	252.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	243.5	252.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	232.6	247.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	224.8	242.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	220.2	240.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	216.3	241.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	210.0	246.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°	206.9	245.8
										70°	203.8	243.5
										72.5°	192.9	224.8
										75°	179.7	198.4
										77.5°	162.6	170.4
										80°	143.9	148.6
										82.5°	125.2	143.1
										85°	98.0	121.4
										87.5°	72.3	66.9
										90°	41.2	30.3
										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: P226251

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

00-LED-E1-T2-7030

**tinued):**

180°
745.2
677.6
567.1
493.2
480.8
490.1
508.8
522.8
521.2
491.6
440.3
386.6
340.7
325.9
307.3
327.5
336.8
305.7
266.0
248.2
243.5
255.2
251.3
248.2
243.5
239.6
238.8
240.4
237.3
233.4
210.0
189.0
170.4
150.1
126.8
94.9
72.3
25.7
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0

**CANDELA DISTRIBUTION (continued):**

	165°	175°	180°
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

(END OF F

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report

