

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: P226242

Luminaire Tested: **IST-AF-600-LED-E1-T2-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P226242  
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-600-LED-E1-T2-7050  
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II  
Light Source: (16) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

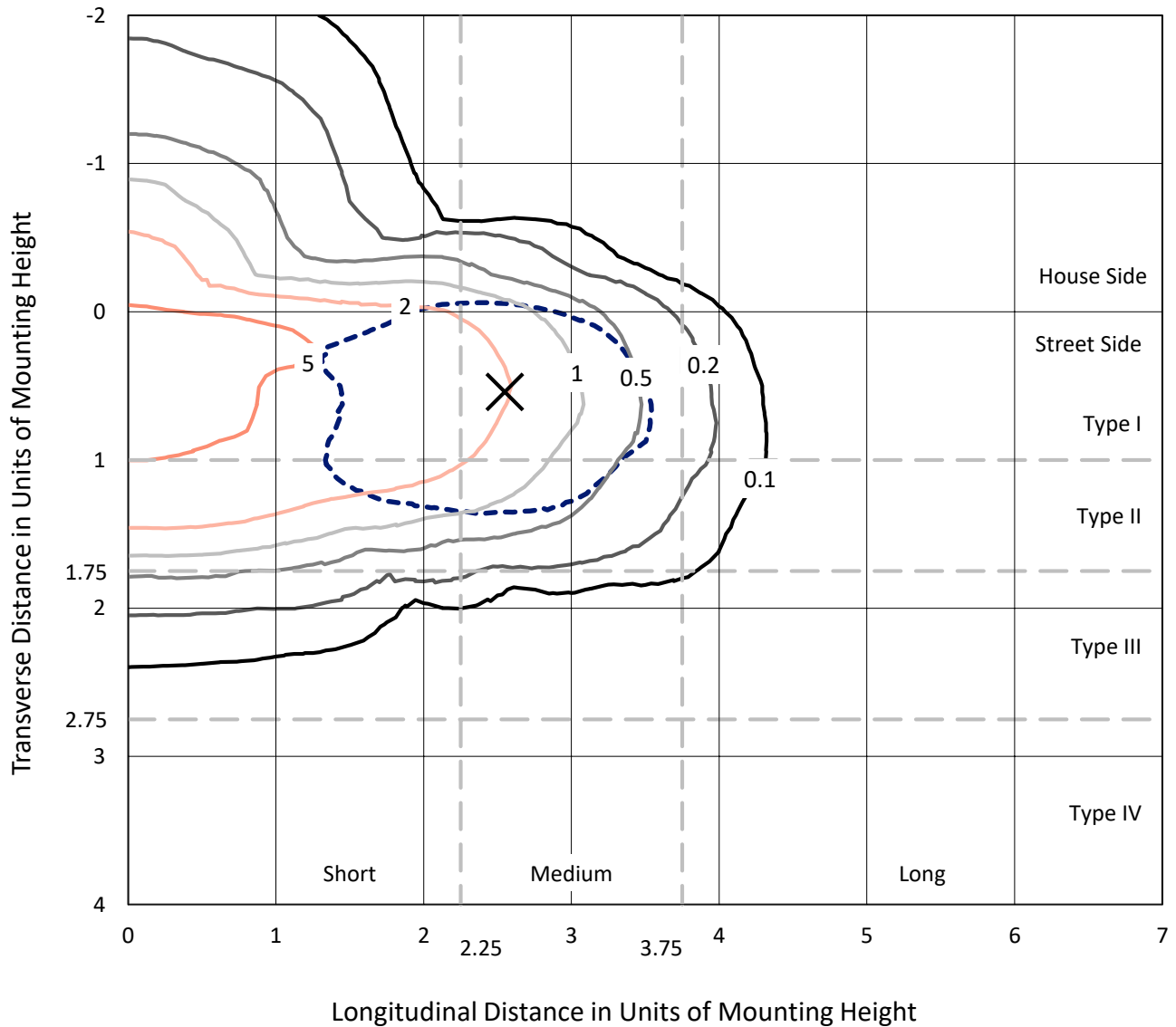
Lumens per Lamp: N/A  
Luminaire Lumens: 4091.4 lumens  
Efficiency: N/A  
Efficacy: 121.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium - Cutoff  
BUG Rating: B1 - U1 - G1  
  
Input Watts (W): 33.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

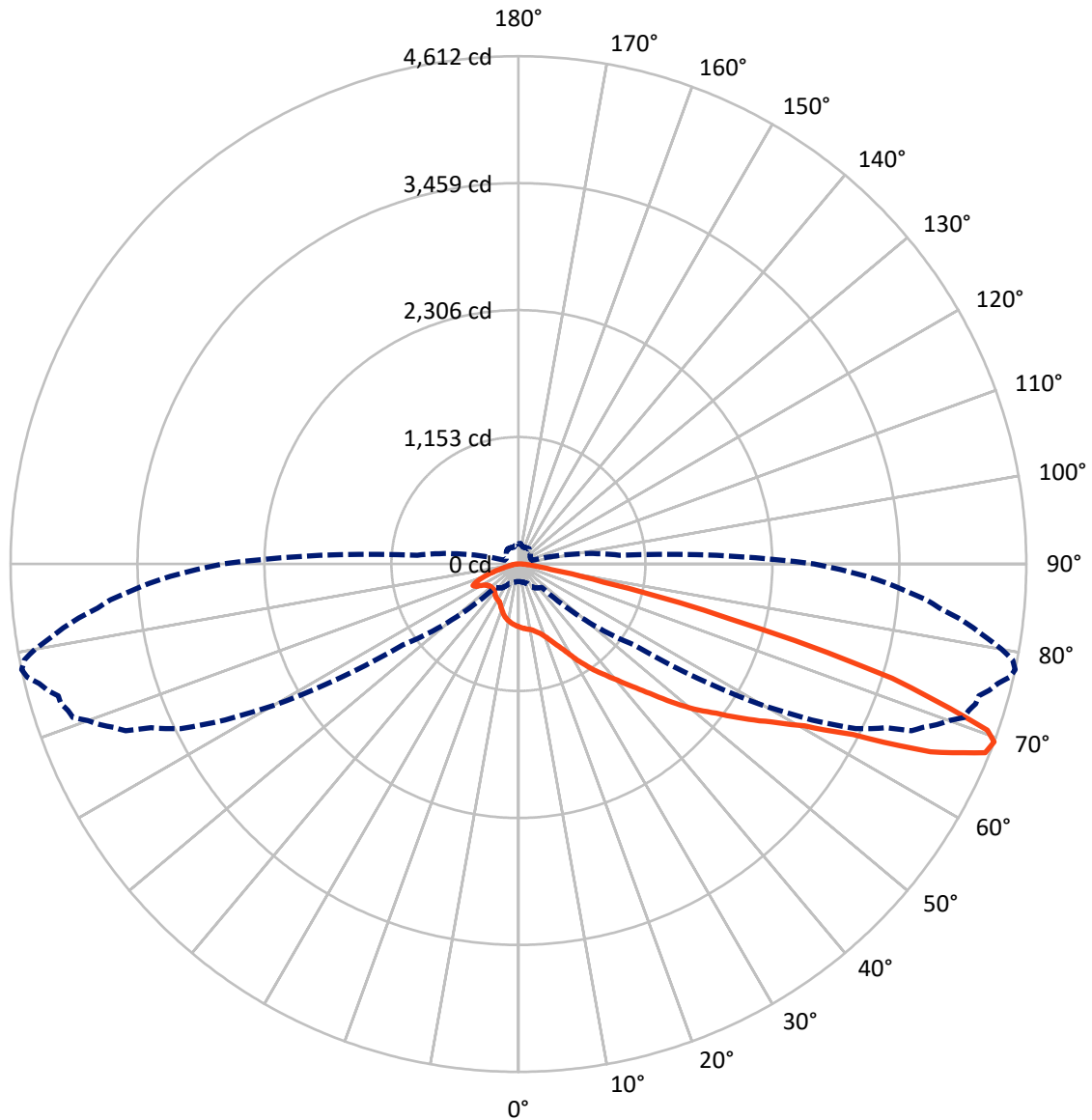
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 fc  
 Type II - Medium - Cutoff

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### Luminous Intensity Polar Plot



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

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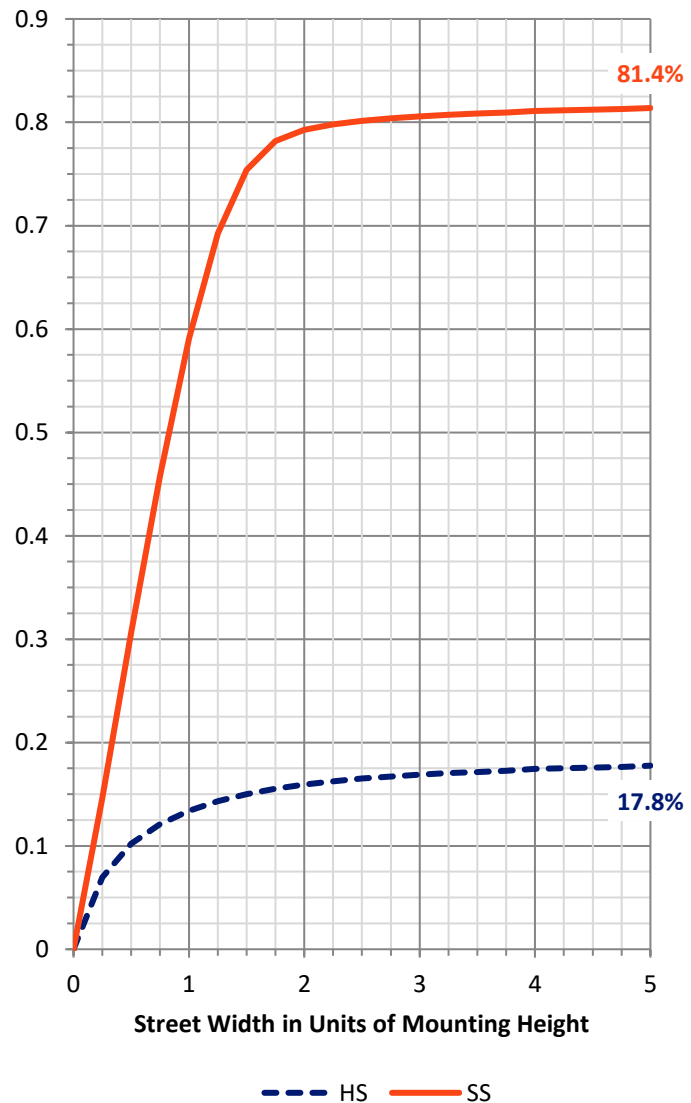
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	748.1	1.4	749.5
	% Fixture	18.3	0.0	18.3
<b>Street Side</b>	Lumens	3341.3	0.7	3341.9
	% Fixture	81.7	0.0	81.7
<b>Total</b>	Lumens	4089.3	2.1	4091.4
	% Fixture	99.9	0.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.8	1.3
10°-20°	159.6	3.9
20°-30°	286.0	7.0
30°-40°	466.9	11.4
40°-50°	690.6	16.9
50°-60°	901.7	22.0
60°-70°	1008.4	24.6
70°-80°	452.7	11.1
80°-90°	70.6	1.7
90°-100°	2.1	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°	4089.3	99.9
0°-180°	4091.4	100.0



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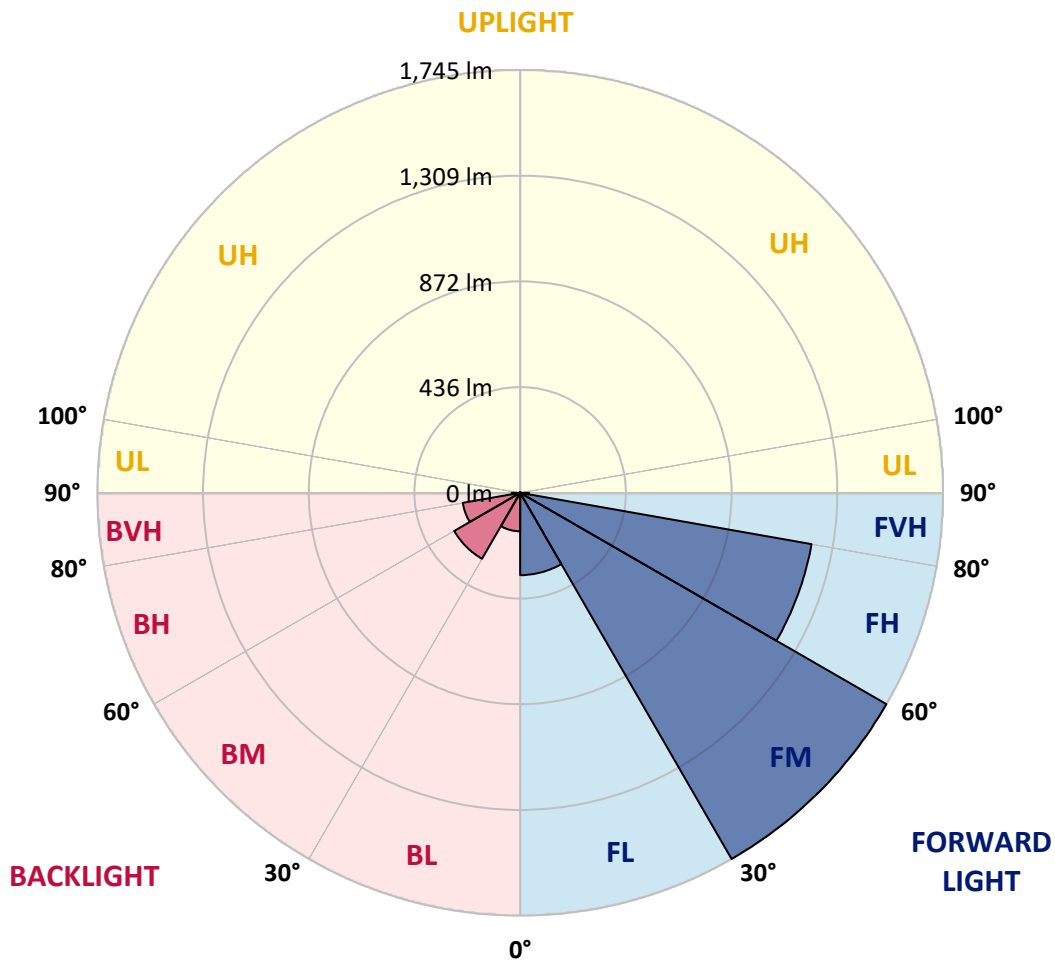
CATALOG NUMBER: IST-AF-600-LED-E1-T2-7050

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	339.6	8.3			
FM	(30°-60°)	1744.8	42.6			
FH	(60°-80°)	1220.8	29.8			G1/1800
FVH	(80°-90°)	36.0	0.9			G1/100
BL	(0°-30°)	158.8	3.9	B1/500		
BM	(30°-60°)	314.3	7.7	B1/1000		
BH	(60°-80°)	240.4	5.9	B1/500		G1/500
BVH	(80°-90°)	34.6	0.8			G1/100
UL	(90°-100°)	2.1	0.1		U1/10	
UH	(100°-180°)	1.4	0.0		U1/10	

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

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	569.0	569.0	569.0	569.0	569.0	569.0	569.0	569.0	569.0	569.0	569.0
2.5°	609.4	609.4	607.6	606.4	604.6	599.9	592.8	591.6	591.0	589.8	588.6
5°	653.9	649.2	650.4	647.4	640.9	632.6	619.5	613.0	609.4	608.8	606.4
7.5°	690.2	690.8	689.0	683.0	674.1	664.0	646.2	636.1	633.1	631.4	627.2
10°	716.3	714.5	713.3	712.1	705.0	696.7	674.1	661.7	659.3	654.5	649.8
12.5°	735.3	735.3	735.3	734.1	730.0	723.4	705.6	693.1	690.2	683.6	679.5
15°	756.1	753.7	751.3	749.6	750.2	750.2	737.1	727.6	722.8	719.3	711.0
17.5°	800.6	795.3	789.9	782.8	771.5	768.6	768.0	767.4	760.8	760.3	751.9
20°	838.7	833.9	829.1	822.0	806.0	788.8	797.7	806.0	804.8	805.4	801.2
22.5°	885.6	882.0	872.5	864.2	843.4	822.6	823.8	841.6	844.0	846.4	847.6
25°	949.7	947.9	932.5	916.5	892.7	873.1	854.7	876.7	881.4	886.8	897.5
27.5°	1014.5	1010.3	993.7	979.4	949.7	928.9	903.4	915.3	922.4	932.5	949.1
30°	1098.2	1086.9	1081.0	1048.9	1021.6	991.3	969.3	972.9	971.7	983.6	1009.1
32.5°	1219.4	1201.6	1171.9	1139.8	1107.7	1067.3	1048.9	1048.3	1045.3	1059.0	1073.3
35°	1284.7	1280.5	1262.1	1230.1	1195.0	1157.0	1145.1	1133.8	1135.6	1142.8	1148.1
37.5°	1355.4	1351.8	1337.6	1319.7	1293.0	1313.8	1247.9	1231.3	1223.5	1220.0	1221.7
40°	1386.3	1389.2	1397.0	1399.9	1384.5	1484.3	1354.2	1299.6	1297.2	1291.8	1286.5
42.5°	1392.8	1400.5	1416.0	1449.8	1464.7	1682.1	1442.1	1376.2	1366.7	1362.5	1363.1
45°	1416.6	1428.4	1431.4	1462.3	1532.4	1692.2	1541.3	1443.9	1436.8	1436.2	1432.6
47.5°	1474.2	1490.2	1490.2	1503.9	1570.4	1711.8	1575.1	1511.6	1506.8	1504.5	1514.0
50°	1482.5	1503.9	1546.6	1590.6	1638.7	1727.8	1613.8	1585.2	1587.0	1592.4	1620.3
52.5°	1341.7	1363.1	1476.0	1605.4	1762.2	1771.7	1672.0	1683.2	1695.1	1721.3	1772.3
55°	1150.5	1165.9	1299.6	1506.8	1767.0	1938.6	1818.1	1849.6	1874.5	1882.2	1962.4
57.5°	905.8	927.2	1063.2	1332.2	1650.0	1986.2	2154.2	2168.5	2140.6	2166.1	2195.2
60°	490.6	488.2	677.7	963.4	1404.1	1898.3	2478.5	2723.2	2729.2	2768.4	2721.5
62.5°	274.4	274.4	329.0	494.8	903.4	1606.0	2634.2	3203.2	3277.4	3339.8	3477.0
65°	207.3	209.1	228.7	298.2	507.2	1013.9	2520.1	3367.1	3509.6	3652.8	3893.3
67.5°	172.2	172.2	186.5	222.1	317.2	460.3	1855.5	3038.0	3216.2	3387.3	3719.9
69°	159.8	160.4	171.1	195.4	265.5	299.3	1281.7	2575.9	2779.7	3016.7	3408.7
70°	153.8	152.1	162.1	182.3	240.5	236.4	939.0	2239.8	2397.8	2610.4	3061.2
72.5°	136.6	134.8	140.2	155.6	189.5	168.7	383.1	1205.1	1443.3	1681.5	2040.8
75°	121.8	120.0	124.1	131.3	147.3	128.9	192.4	504.9	611.2	789.9	1089.9
77.5°	107.5	103.9	107.5	112.3	115.8	96.2	130.7	233.4	286.3	351.6	496.5
80°	97.4	93.8	98.0	95.6	90.9	74.2	86.7	136.0	150.9	180.6	236.4
82.5°	69.5	68.9	93.2	96.2	72.5	54.0	61.8	87.3	97.4	102.8	124.7
85°	42.8	41.0	54.0	68.9	73.6	33.9	39.8	51.7	54.0	58.8	69.5
87.5°	22.0	22.6	29.1	35.6	48.1	20.2	23.8	30.3	30.3	30.3	34.4
90°	5.3	6.5	8.9	12.5	10.1	5.3	8.9	7.1	8.3	7.1	8.3
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



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**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





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**CANDELA DISTRIBUTION (continued):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	569.0	569.0	569.0	569.0	569.0	569.0	569.0	569.0	569.0	569.0	569.0
2.5°	589.2	587.4	585.0	585.6	584.4	582.7	583.3	582.7	583.3	582.1	580.9
5°	606.4	605.2	601.7	601.1	599.9	598.7	596.9	595.1	594.5	593.4	591.0
7.5°	626.0	622.5	620.7	618.3	615.3	610.6	610.0	607.6	605.8	604.6	601.7
10°	646.2	642.1	639.7	636.7	633.7	630.8	627.8	623.6	619.5	618.3	614.7
12.5°	676.5	671.2	666.4	661.7	658.7	653.3	649.2	643.8	639.7	637.9	632.0
15°	709.8	702.6	697.9	694.3	689.6	684.8	679.5	674.7	668.2	662.8	657.5
17.5°	749.0	742.4	738.9	732.3	726.4	721.1	716.9	711.0	705.6	696.1	691.4
20°	800.6	795.3	791.1	784.0	777.5	772.1	768.6	756.1	749.0	740.7	732.9
22.5°	848.8	849.3	845.2	840.4	836.3	829.1	823.2	814.3	805.4	795.3	784.6
25°	901.0	905.8	906.4	905.2	902.8	894.5	891.5	882.6	875.5	858.8	854.1
27.5°	959.2	964.6	971.1	979.4	981.2	972.3	976.4	967.5	955.1	947.9	932.5
30°	1015.6	1030.5	1044.2	1053.7	1059.6	1063.8	1060.8	1057.8	1049.5	1037.6	1024.0
32.5°	1088.1	1103.6	1117.2	1138.0	1148.7	1161.8	1159.4	1160.6	1157.6	1145.7	1129.7
35°	1161.2	1174.8	1192.6	1206.3	1232.4	1246.7	1258.6	1258.0	1258.0	1250.9	1235.4
37.5°	1225.9	1233.6	1248.5	1271.0	1288.3	1310.8	1329.8	1337.6	1350.0	1350.6	1334.0
40°	1293.6	1301.3	1312.6	1329.3	1348.3	1375.0	1400.5	1425.5	1437.4	1449.8	1443.3
42.5°	1366.7	1375.0	1383.3	1394.0	1421.3	1442.1	1476.6	1510.4	1534.8	1560.3	1557.3
45°	1439.1	1448.6	1460.5	1476.6	1500.9	1534.8	1568.0	1606.0	1661.9	1692.2	1712.9
47.5°	1521.1	1536.5	1558.5	1584.1	1603.7	1638.7	1680.9	1739.7	1796.1	1848.4	1881.0
50°	1644.6	1650.6	1686.2	1711.2	1748.6	1784.2	1826.4	1878.1	1951.1	2004.6	2056.8
52.5°	1790.2	1812.7	1848.4	1876.9	1906.6	1942.2	1985.6	2031.9	2104.4	2164.3	2232.1
55°	1977.8	2009.9	2040.8	2056.2	2097.8	2129.9	2164.9	2210.7	2288.5	2353.8	2433.4
57.5°	2201.8	2233.8	2248.7	2271.3	2289.1	2324.7	2372.2	2403.1	2472.0	2539.7	2624.1
60°	2661.5	2641.3	2659.1	2624.1	2618.7	2621.7	2631.8	2655.5	2694.1	2757.1	2846.2
62.5°	3491.2	3462.1	3384.9	3357.0	3302.9	3229.9	3161.0	3151.5	3131.3	3178.8	3234.6
65°	3975.9	4081.6	4092.9	4122.6	4101.2	4044.2	3963.4	3937.3	3871.9	3826.2	3823.2
67.5°	3859.5	4018.1	4117.2	4242.6	4312.1	4379.8	4397.6	4420.7	4378.6	4357.8	4363.7
69°	3535.8	3653.4	3875.5	3961.0	4070.9	4161.2	4280.0	4300.8	4341.8	4347.7	4426.7
70°	3215.0	3387.9	3515.0	3643.3	3795.3	3894.5	3948.0	4035.9	4137.4	4187.3	4272.9
72.5°	2311.6	2368.1	2458.3	2624.7	2666.8	2769.6	2874.7	2949.5	3068.9	3153.3	3354.6
75°	1247.3	1281.1	1423.1	1517.5	1542.5	1576.3	1653.5	1672.0	1716.5	1743.8	1937.5
77.5°	569.6	621.3	639.7	691.4	662.3	676.5	694.9	690.8	703.2	762.6	830.3
80°	262.5	272.6	279.7	301.1	302.3	297.6	299.3	296.4	294.0	303.5	310.6
82.5°	127.7	143.1	143.1	156.2	162.7	161.0	164.5	163.3	165.7	163.3	171.1
85°	74.8	74.8	80.8	87.9	86.7	89.1	89.1	93.8	94.4	95.6	95.6
87.5°	35.0	38.6	40.4	43.4	44.5	46.3	47.5	47.5	48.1	46.9	48.1
90°	8.9	8.9	14.8	14.8	16.0	17.8	15.4	16.6	20.8	15.4	19.6
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: P226242

CATALOG NUMBER: IST-AF-600-LED-E1-T2-7050

**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: P226242

CATALOG NUMBER: IST-AF-600-LED-E1-T2-7050

**CANDELA DISTRIBUTION (continued):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	569.0	569.0	569.0	569.0	569.0	569.0	569.0	569.0	569.0	569.0	569.0
2.5°	579.7	580.9	580.3	577.9	577.3	577.3	576.1	575.5	574.3	573.8	574.9
5°	590.4	590.4	588.6	586.2	583.8	583.3	582.7	579.7	578.5	577.3	576.1
7.5°	600.5	599.3	596.9	592.8	590.4	589.8	587.4	584.4	581.5	579.1	577.9
10°	611.2	610.0	605.2	602.3	597.5	596.9	592.8	589.2	586.2	583.3	580.9
12.5°	626.6	625.4	620.1	613.0	609.4	607.0	601.7	597.5	593.4	589.8	585.6
15°	650.4	645.6	642.1	634.9	629.6	624.8	618.3	612.4	606.4	600.5	596.9
17.5°	683.6	677.1	667.6	663.4	656.3	648.6	639.7	635.5	627.8	620.7	613.5
20°	727.0	720.5	705.6	700.3	690.2	678.9	671.8	662.8	656.3	645.0	637.3
22.5°	775.1	769.2	754.9	740.7	731.1	722.2	711.0	699.7	687.2	676.5	668.2
25°	837.5	828.6	816.1	801.8	787.6	775.1	759.7	743.6	732.9	718.1	706.2
27.5°	922.4	907.0	886.2	870.7	859.4	840.4	821.4	807.2	790.5	770.9	757.9
30°	1014.5	997.2	981.8	964.0	945.0	926.6	900.4	879.6	861.8	841.0	819.6
32.5°	1116.6	1101.8	1079.8	1056.6	1035.8	1012.7	993.7	971.7	940.8	918.8	896.3
35°	1219.4	1202.1	1179.6	1160.0	1136.2	1112.5	1091.1	1062.0	1034.1	1002.6	971.1
37.5°	1318.6	1303.7	1278.8	1249.1	1228.3	1202.7	1180.8	1149.9	1116.6	1081.6	1057.8
40°	1429.0	1405.3	1388.1	1353.6	1332.2	1303.7	1272.2	1248.5	1216.4	1178.4	1144.5
42.5°	1555.5	1538.9	1520.5	1492.6	1470.0	1436.2	1396.4	1366.1	1336.4	1291.2	1244.3
45°	1715.9	1705.2	1674.9	1652.4	1622.1	1586.4	1552.0	1515.2	1468.2	1416.0	1373.2
47.5°	1908.4	1900.0	1872.7	1840.6	1800.8	1752.7	1720.7	1670.2	1630.4	1565.0	1514.0
50°	2083.0	2087.1	2072.3	2023.0	1987.3	1939.2	1888.8	1844.8	1783.6	1715.9	1650.6
52.5°	2291.4	2287.3	2249.9	2222.5	2180.4	2122.2	2066.9	2010.5	1943.4	1873.3	1791.9
55°	2491.0	2503.5	2477.4	2438.7	2387.7	2306.3	2250.5	2177.4	2106.7	2029.5	1935.7
57.5°	2684.6	2724.4	2704.2	2658.5	2606.2	2547.4	2473.8	2391.8	2318.8	2217.8	2112.1
60°	2925.8	2978.6	2987.0	2957.3	2900.2	2831.9	2735.1	2671.0	2570.6	2477.4	2396.0
62.5°	3297.0	3417.0	3409.8	3424.1	3383.7	3341.5	3228.1	3159.2	3028.5	2961.4	2848.0
65°	3917.1	4005.6	4111.9	4108.3	4080.4	3979.4	3861.8	3746.6	3660.5	3528.0	3409.8
67.5°	4437.4	4510.4	4573.4	4540.7	4476.6	4363.1	4225.3	4065.0	3933.7	3787.6	3632.6
69°	4486.1	4575.2	4612.0	4571.6	4456.4	4308.5	4173.7	4024.6	3844.0	3718.7	3529.8
70°	4355.4	4443.3	4517.6	4413.6	4307.9	4163.6	4016.3	3861.2	3699.7	3564.9	3374.2
72.5°	3459.7	3558.9	3548.8	3537.5	3453.2	3308.9	3173.5	3090.3	2976.9	2814.1	2676.3
75°	2011.7	2057.4	1977.2	2061.6	1960.6	1815.1	1834.1	1740.3	1657.1	1563.3	1490.8
77.5°	789.9	830.3	788.2	774.5	729.4	719.3	643.8	652.7	615.3	541.7	507.8
80°	299.3	304.7	297.6	282.7	279.7	262.5	257.8	241.1	233.4	209.1	200.2
82.5°	161.0	163.9	159.2	154.4	150.9	140.8	134.2	121.8	114.6	106.9	106.3
85°	92.7	90.3	87.9	85.5	80.2	74.2	69.5	64.7	59.4	55.2	51.1
87.5°	48.7	49.3	49.9	47.5	44.0	39.2	36.2	34.4	30.3	28.5	26.7
90°	16.0	11.9	13.7	17.2	16.0	13.1	12.5	10.7	8.9	8.9	7.1
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: P226242  
 CATALOG NUMBER: IST-AF-600-LED-E1-T2-7050

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: P226242  
 NUMBER: IST-AF-600-LED-E1-T2-7050

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°	110°	87°
569.0	569.0	569.0	569.0	569.0	569.0	569.0	569.0	569.0	569.0	569.0	110°	0.0
573.2	573.2	571.4	570.2	566.0	558.9	551.8	545.2	536.3	532.8	528.0	112.5°	0.0
574.9	573.8	572.0	569.6	561.3	544.6	527.4	509.0	490.0	472.8	452.6	115°	0.0
576.1	573.8	571.4	568.4	556.5	531.0	496.5	460.3	426.5	400.9	390.2	117.5°	0.0
576.7	574.9	572.0	567.8	551.2	513.2	457.9	405.7	376.0	365.9	364.1	120°	0.0
583.3	580.3	575.5	570.8	548.8	493.6	414.6	364.7	352.8	357.6	365.9	122.5°	0.0
591.6	588.0	582.1	577.3	547.6	468.0	372.4	341.5	345.7	358.7	372.4	125°	0.0
606.4	600.5	593.9	589.2	550.0	436.6	338.5	329.6	342.1	358.7	377.2	127.5°	0.0
628.4	620.1	612.4	604.0	553.6	397.4	318.4	321.9	336.8	354.6	374.8	130°	0.0
655.7	646.2	635.5	623.1	557.7	363.5	307.1	313.6	327.3	342.7	359.3	132.5°	0.0
692.5	679.5	665.8	650.4	563.7	326.7	297.0	304.1	312.4	321.3	329.6	135°	0.0
738.9	721.1	706.2	685.4	569.6	301.7	288.7	291.0	292.8	294.0	293.4	137.5°	0.0
800.6	773.3	756.1	730.6	576.1	288.7	279.2	276.2	273.2	269.1	264.3	140°	0.0
866.0	843.4	816.1	783.4	580.3	279.7	270.2	260.7	252.4	248.3	248.3	142.5°	0.0
942.0	914.1	879.6	838.7	574.9	270.2	258.4	245.9	241.1	246.5	244.7	145°	0.0
1018.0	979.4	941.4	894.5	561.9	259.6	245.3	238.8	242.3	235.2	231.0	147.5°	0.0
1101.8	1059.0	1006.1	951.5	542.9	248.3	238.8	242.3	229.9	221.5	225.1	150°	0.0
1195.6	1145.1	1088.1	1013.9	530.4	241.1	228.7	231.6	220.9	215.0	213.2	152.5°	0.0
1323.3	1251.4	1182.0	1094.6	539.9	229.9	209.1	220.9	215.0	209.7	204.9	155°	0.0
1448.6	1372.0	1290.1	1187.3	556.5	221.5	193.6	209.7	213.8	204.9	196.0	157.5°	0.0
1574.6	1493.2	1397.6	1282.9	576.7	216.2	181.7	196.0	210.9	200.2	193.0	160°	0.0
1707.0	1604.3	1506.2	1382.7	602.9	210.9	172.2	184.1	205.5	200.2	189.5	162.5°	0.0
1846.0	1724.8	1626.8	1493.2	648.6	203.1	160.4	174.6	200.2	199.6	185.9	165°	0.0
2007.5	1899.4	1773.5	1637.5	712.1	194.2	149.7	167.5	195.4	197.2	181.7	167.5°	0.0
2282.5	2170.9	2018.8	1889.3	838.1	182.3	143.1	160.4	187.7	192.4	178.2	170°	0.0
2728.6	2576.5	2437.0	2315.8	1053.7	165.7	138.4	152.6	179.4	186.5	175.2	172.5°	0.0
3240.0	3091.5	2922.8	2719.1	1173.6	150.3	131.9	143.1	171.1	180.6	172.2	175°	0.0
3457.4	3263.1	3058.2	2816.5	1059.0	137.8	124.7	134.2	161.6	172.2	168.1	177.5°	0.0
3357.6	3161.0	2922.8	2685.8	921.2	131.3	120.6	129.5	154.4	166.9	163.9	180°	0.0
3184.1	2986.4	2773.7	2489.2	822.6	127.7	117.6	126.5	151.5	163.9	161.6		
2518.3	2341.9	2145.9	1929.1	560.7	115.8	108.1	117.6	139.6	153.2	152.6		
1334.6	1282.9	1138.0	1010.9	290.4	103.3	98.0	107.5	128.9	143.1	143.1		
480.5	436.0	417.0	346.3	154.4	90.3	87.9	95.0	117.0	130.7	130.1		
181.7	177.0	158.6	148.5	98.0	73.6	74.2	81.4	102.8	115.8	115.2		
102.8	93.2	90.3	87.3	62.4	58.2	61.2	68.3	87.9	99.2	101.0		
49.3	45.7	44.5	41.6	41.0	44.5	48.1	54.0	70.1	83.7	82.0		
23.8	22.6	22.0	21.4	29.1	28.5	35.0	37.4	46.9	66.5	60.0		
7.7	7.7	7.1	5.9	8.3	9.5	11.3	16.0	19.6	38.6	31.5		
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		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'226242  
 IST-AF-600-LED-E1-T2-7050

REPORT NUMBER: P226242  
 CATALOG NUMBER: IST-AF-60

**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°	569.0	569.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	523.9	515.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	437.7	436.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	383.7	376.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	365.9	365.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	373.6	375.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	383.7	387.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	390.2	396.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	388.4	396.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	368.8	372.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	333.8	335.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	291.6	290.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	261.9	254.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	248.3	243.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	238.8	231.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	247.7	247.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	256.0	254.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	241.7	231.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	215.6	203.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	197.8	190.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	189.5	187.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	187.1	193.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	185.9	192.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	177.6	188.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	171.7	185.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	168.1	183.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	165.1	184.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	160.4	188.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°	158.0	187.7
										70°	155.6	185.9
										72.5°	147.3	171.7
										75°	137.2	151.5
										77.5°	124.1	130.1
										80°	109.9	113.4
										82.5°	95.6	109.3
										85°	74.8	92.7
										87.5°	55.2	51.1
										90°	31.5	23.2
										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: P226242

CATALOG NUMBER: IST-AF-600-LED-E1-1

0-LED-E1-T2-7050

**tinued):**

180°
569.0
517.3
433.0
376.6
367.1
374.2
388.4
399.1
397.9
375.4
336.2
295.2
260.1
248.9
234.6
250.1
257.2
233.4
203.1
189.5
185.9
194.8
191.8
189.5
185.9
182.9
182.3
183.5
181.2
178.2
160.4
144.3
130.1
114.6
96.8
72.5
55.2
19.6
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

