

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: P226244

Luminaire Tested: **IST-AF-600-LED-E1-T2-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P226244  
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-T2-8030  
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II  
Light Source: (16) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3338.6 lumens  
Efficiency: N/A  
Efficacy: 99.1 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): 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

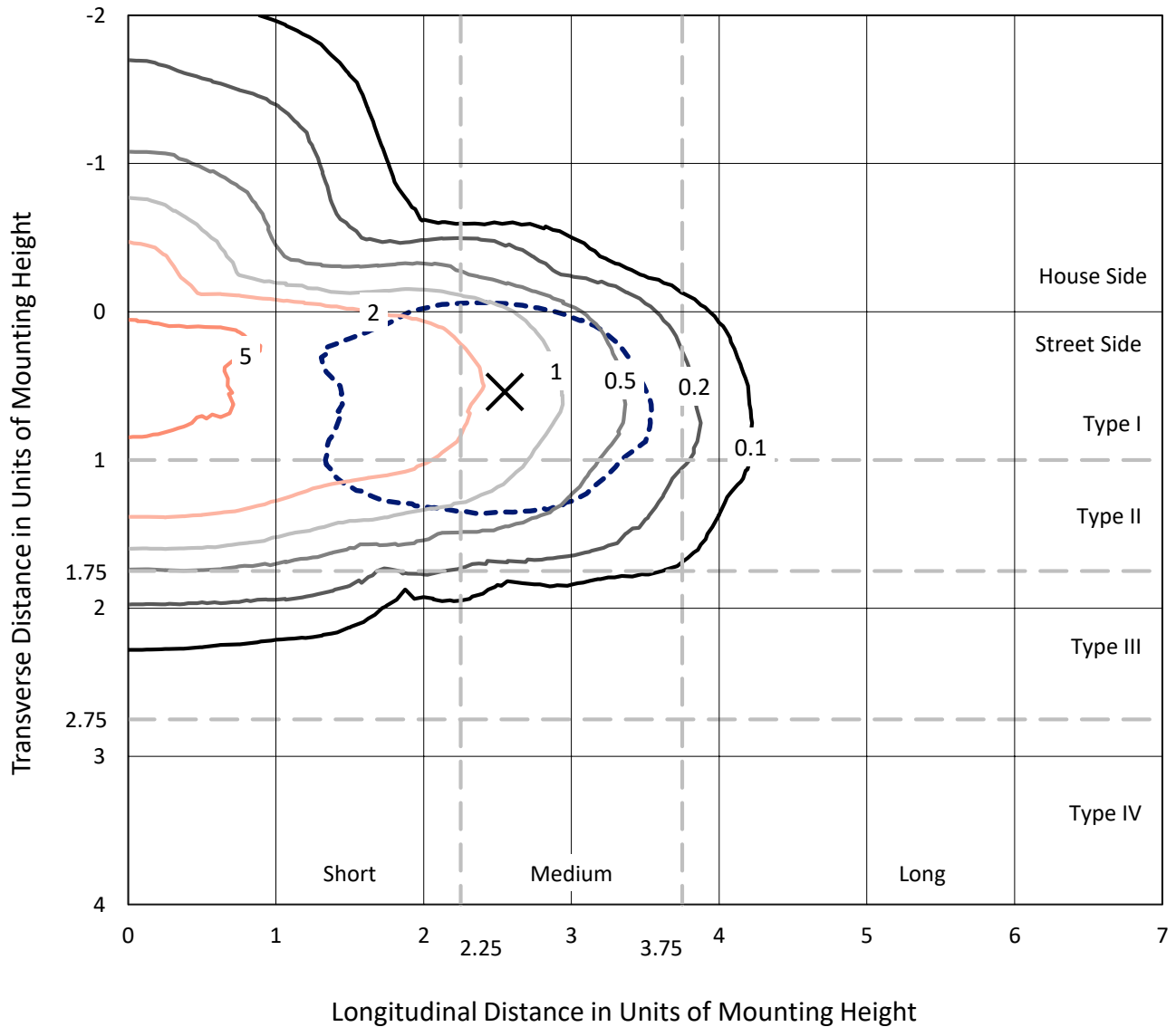


REPORT NUMBER: P226244

CATALOG NUMBER: IST-AF-600-LED-E1-T2-8030

### Iso-Footcandle Lines of Horizontal Illumination

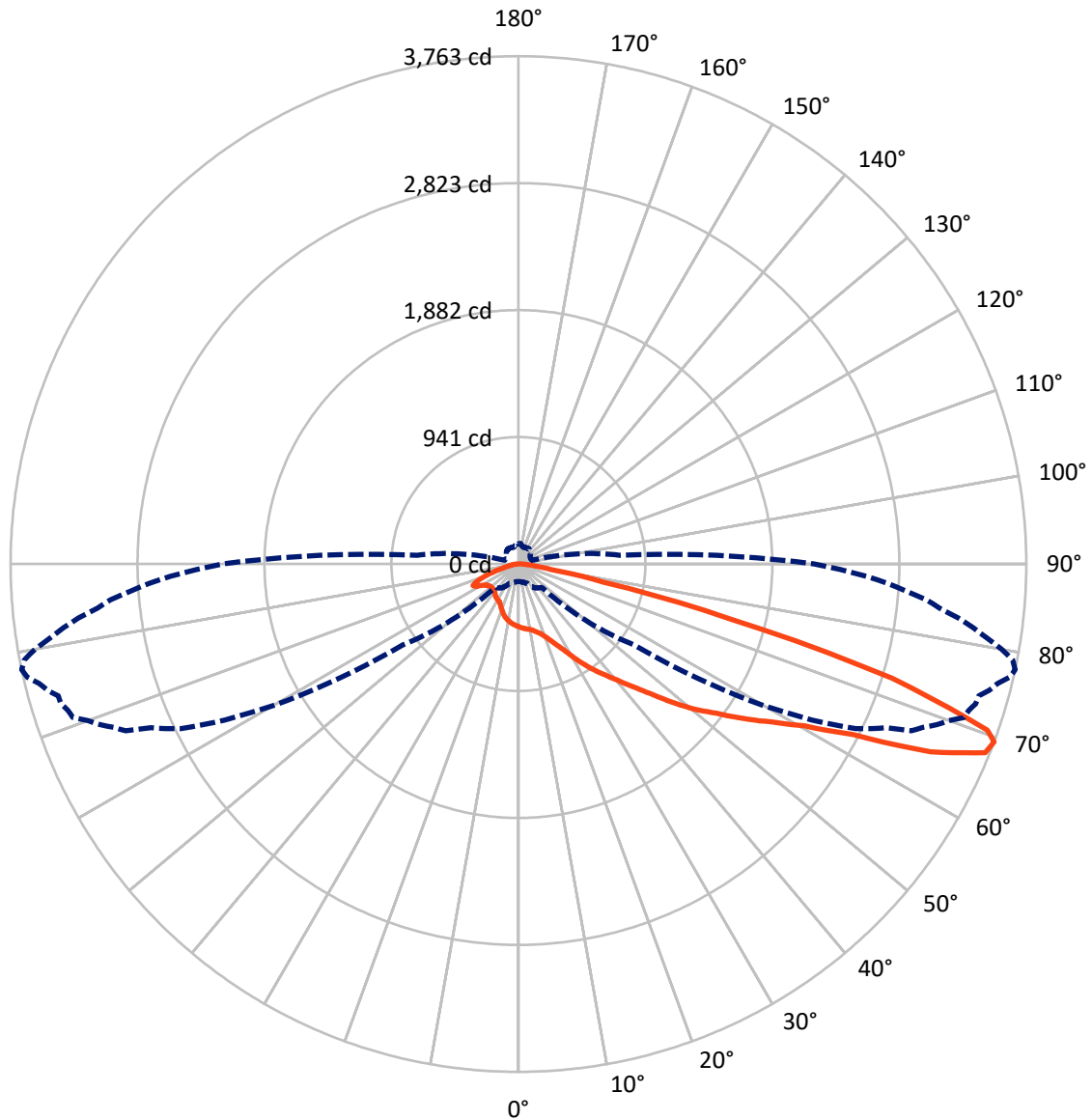
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc  
 Type II - Medium - Cutoff

REPORT NUMBER: P226244  
CATALOG NUMBER: IST-AF-600-LED-E1-T2-8030

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P226244

CATALOG NUMBER: IST-AF-600-LED-E1-T2-8030

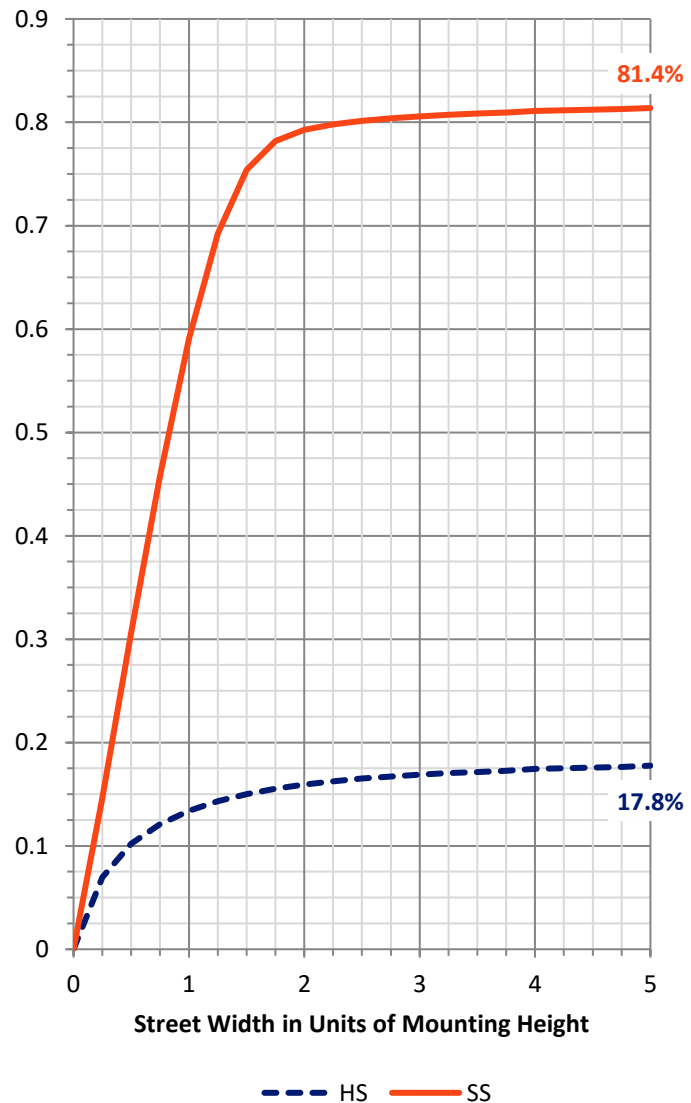
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	610.4	1.2	611.6
	% Fixture	18.3	0.0	18.3
<b>Street Side</b>	Lumens	2726.5	0.5	2727.0
	% Fixture	81.7	0.0	81.7
<b>Total</b>	Lumens	3336.9	1.7	3338.6
	% Fixture	99.9	0.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.1	1.3
10°-20°	130.2	3.9
20°-30°	233.4	7.0
30°-40°	381.0	11.4
40°-50°	563.5	16.9
50°-60°	735.8	22.0
60°-70°	822.9	24.6
70°-80°	369.4	11.1
80°-90°	57.6	1.7
90°-100°	1.7	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°	3336.9	99.9
0°-180°	3338.6	100.0



REPORT NUMBER: P226244

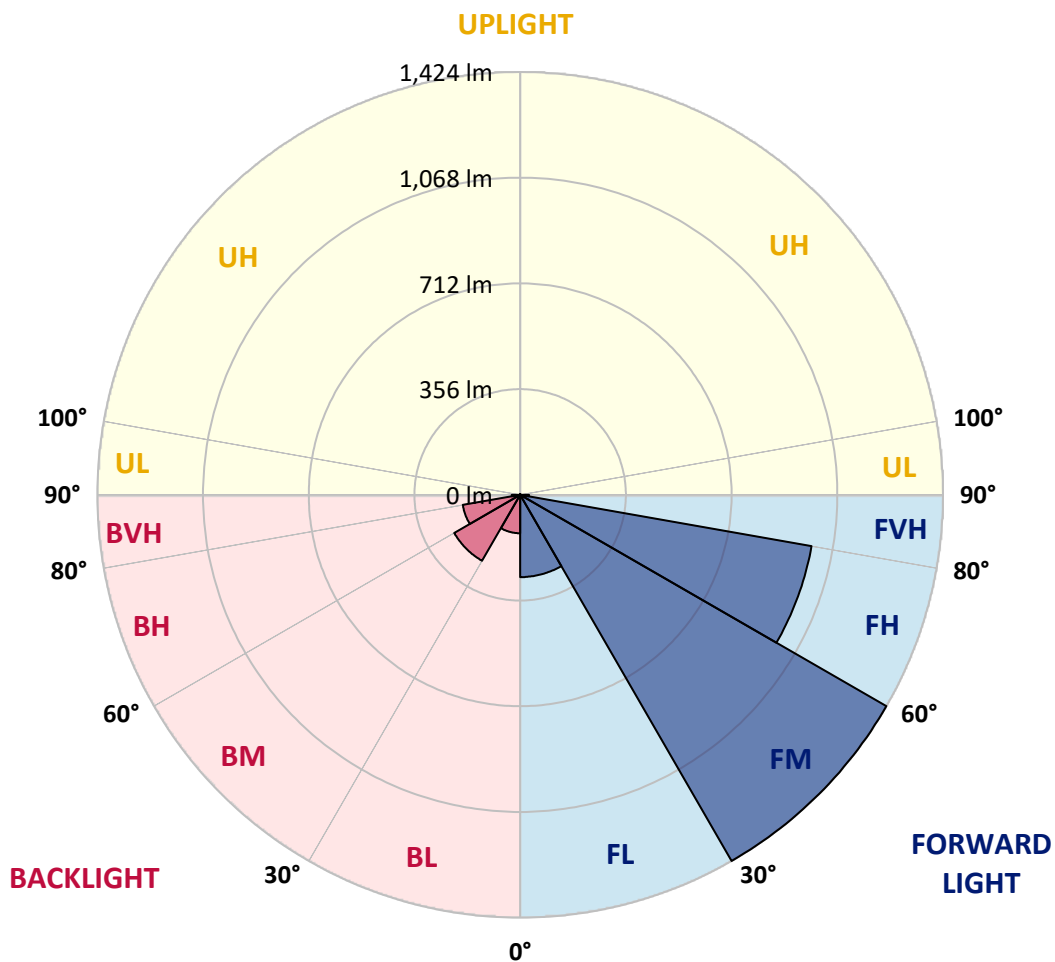
CATALOG NUMBER: IST-AF-600-LED-E1-T2-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	277.1	8.3			
FM	(30°-60°)	1423.8	42.6			
FH	(60°-80°)	996.1	29.8			G1/1800
FVH	(80°-90°)	29.4	0.9			G1/100
BL	(0°-30°)	129.6	3.9	B1/500		
BM	(30°-60°)	256.5	7.7	B1/1000		
BH	(60°-80°)	196.2	5.9	B1/500		G1/500
BVH	(80°-90°)	28.2	0.8			G1/100
UL	(90°-100°)	1.7	0.1		U1/10	
UH	(100°-180°)	1.2	0.0		U1/10	

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

Type II Medium





REPORT NUMBER: P226244

CATALOG NUMBER: IST-AF-600-LED-E1-T2-8030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	464.3	464.3	464.3	464.3	464.3	464.3	464.3	464.3	464.3	464.3	464.3
2.5°	497.3	497.3	495.8	494.8	493.4	489.5	483.7	482.7	482.2	481.3	480.3
5°	533.6	529.7	530.7	528.3	522.9	516.2	505.5	500.2	497.3	496.8	494.8
7.5°	563.2	563.7	562.2	557.4	550.1	541.9	527.3	519.1	516.6	515.2	511.8
10°	584.5	583.0	582.1	581.1	575.3	568.5	550.1	539.9	538.0	534.1	530.2
12.5°	600.0	600.0	600.0	599.0	595.6	590.3	575.8	565.6	563.2	557.8	554.5
15°	617.0	615.0	613.1	611.6	612.1	612.1	601.5	593.7	589.8	586.9	580.1
17.5°	653.3	649.0	644.6	638.8	629.6	627.2	626.7	626.2	620.9	620.4	613.6
20°	684.3	680.5	676.6	670.8	657.7	643.6	650.9	657.7	656.7	657.2	653.8
22.5°	722.6	719.7	712.0	705.2	688.2	671.3	672.2	686.8	688.7	690.6	691.6
25°	775.0	773.5	760.9	747.8	728.4	712.5	697.4	715.4	719.2	723.6	732.3
27.5°	827.8	824.4	810.8	799.2	775.0	758.0	737.2	746.9	752.7	760.9	774.5
30°	896.1	886.9	882.1	855.9	833.6	808.9	791.0	793.9	792.9	802.6	823.4
32.5°	995.0	980.5	956.2	930.1	903.9	870.9	855.9	855.4	853.0	864.1	875.8
35°	1048.3	1044.9	1029.9	1003.7	975.1	944.1	934.4	925.2	926.7	932.5	936.8
37.5°	1106.0	1103.1	1091.5	1076.9	1055.1	1072.1	1018.3	1004.7	998.4	995.5	996.9
40°	1131.2	1133.6	1139.9	1142.3	1129.7	1211.2	1105.0	1060.4	1058.5	1054.1	1049.8
42.5°	1136.5	1142.8	1155.4	1183.1	1195.2	1372.6	1176.8	1123.0	1115.2	1111.8	1112.3
45°	1155.9	1165.6	1168.0	1193.2	1250.4	1380.8	1257.7	1178.2	1172.4	1171.9	1169.0
47.5°	1202.9	1216.0	1216.0	1227.2	1281.4	1396.8	1285.3	1233.5	1229.6	1227.6	1235.4
50°	1209.7	1227.2	1262.1	1297.9	1337.2	1409.9	1316.8	1293.6	1295.0	1299.4	1322.2
52.5°	1094.8	1112.3	1204.4	1310.0	1438.0	1445.7	1364.3	1373.5	1383.2	1404.5	1446.2
55°	938.8	951.4	1060.4	1229.6	1441.9	1581.9	1483.5	1509.2	1529.6	1535.9	1601.3
57.5°	739.1	756.6	867.5	1087.1	1346.4	1620.7	1757.9	1769.5	1746.7	1767.6	1791.3
60°	400.3	398.4	553.0	786.1	1145.7	1549.0	2022.5	2222.2	2227.0	2259.0	2220.7
62.5°	223.9	223.9	268.5	403.7	737.2	1310.5	2149.5	2613.8	2674.4	2725.2	2837.2
65°	169.1	170.6	186.6	243.3	413.9	827.3	2056.4	2747.5	2863.9	2980.7	3177.0
67.5°	140.6	140.6	152.2	181.3	258.8	375.6	1514.1	2479.0	2624.4	2764.0	3035.4
69°	130.4	130.9	139.6	159.5	216.6	244.3	1045.9	2102.0	2268.2	2461.6	2781.5
70°	125.5	124.1	132.3	148.8	196.3	192.9	766.2	1827.7	1956.6	2130.1	2497.9
72.5°	111.5	110.0	114.4	127.0	154.6	137.6	312.6	983.4	1177.7	1372.1	1665.3
75°	99.4	97.9	101.3	107.1	120.2	105.2	157.0	412.0	498.7	644.6	889.4
77.5°	87.7	84.8	87.7	91.6	94.5	78.5	106.6	190.5	233.6	286.9	405.2
80°	79.5	76.6	80.0	78.0	74.2	60.6	70.8	111.0	123.1	147.3	192.9
82.5°	56.7	56.2	76.1	78.5	59.1	44.1	50.4	71.2	79.5	83.8	101.8
85°	34.9	33.4	44.1	56.2	60.1	27.6	32.5	42.2	44.1	48.0	56.7
87.5°	17.9	18.4	23.7	29.1	39.3	16.5	19.4	24.7	24.7	24.7	28.1
90°	4.4	5.3	7.3	10.2	8.2	4.4	7.3	5.8	6.8	5.8	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: P226244

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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°	464.3	464.3	464.3	464.3	464.3	464.3	464.3	464.3	464.3	464.3	464.3
2.5°	480.8	479.3	477.4	477.9	476.9	475.5	475.9	475.5	475.9	475.0	474.0
5°	494.8	493.9	491.0	490.5	489.5	488.5	487.1	485.6	485.1	484.2	482.2
7.5°	510.8	507.9	506.5	504.5	502.1	498.2	497.7	495.8	494.4	493.4	491.0
10°	527.3	523.9	522.0	519.6	517.1	514.7	512.3	508.9	505.5	504.5	501.6
12.5°	552.0	547.7	543.8	539.9	537.5	533.1	529.7	525.4	522.0	520.5	515.7
15°	579.2	573.4	569.5	566.6	562.7	558.8	554.5	550.6	545.2	540.9	536.5
17.5°	611.2	605.8	602.9	597.6	592.7	588.4	585.0	580.1	575.8	568.0	564.1
20°	653.3	649.0	645.6	639.8	634.4	630.1	627.2	617.0	611.2	604.4	598.1
22.5°	692.6	693.1	689.7	685.8	682.4	676.6	671.7	664.5	657.2	649.0	640.2
25°	735.2	739.1	739.6	738.6	736.7	729.9	727.5	720.2	714.4	700.8	696.9
27.5°	782.7	787.1	792.4	799.2	800.7	793.4	796.8	789.5	779.3	773.5	760.9
30°	828.8	840.9	852.0	859.8	864.6	868.0	865.6	863.2	856.4	846.7	835.6
32.5°	887.9	900.5	911.6	928.6	937.3	948.0	946.1	947.0	944.6	934.9	921.8
35°	947.5	958.7	973.2	984.3	1005.7	1017.3	1027.0	1026.5	1026.5	1020.7	1008.1
37.5°	1000.3	1006.6	1018.8	1037.2	1051.2	1069.6	1085.2	1091.5	1101.6	1102.1	1088.5
40°	1055.6	1061.9	1071.1	1084.7	1100.2	1122.0	1142.8	1163.2	1172.9	1183.1	1177.7
42.5°	1115.2	1122.0	1128.8	1137.5	1159.8	1176.8	1204.9	1232.5	1252.4	1273.2	1270.8
45°	1174.3	1182.1	1191.8	1204.9	1224.7	1252.4	1279.5	1310.5	1356.1	1380.8	1397.8
47.5°	1241.2	1253.8	1271.7	1292.6	1308.6	1337.2	1371.6	1419.6	1465.6	1508.3	1534.9
50°	1342.0	1346.9	1376.0	1396.3	1426.8	1455.9	1490.3	1532.5	1592.1	1635.7	1678.4
52.5°	1460.8	1479.2	1508.3	1531.5	1555.8	1584.8	1620.2	1658.0	1717.2	1766.1	1821.4
55°	1613.9	1640.1	1665.3	1677.9	1711.8	1738.0	1766.6	1803.9	1867.4	1920.7	1985.7
57.5°	1796.6	1822.8	1834.9	1853.3	1867.9	1897.0	1935.7	1960.9	2017.2	2072.4	2141.2
60°	2171.8	2155.3	2169.8	2141.2	2136.9	2139.3	2147.5	2166.9	2198.4	2249.8	2322.5
62.5°	2848.8	2825.1	2762.1	2739.3	2695.2	2635.6	2579.4	2571.6	2555.1	2593.9	2639.5
65°	3244.3	3330.6	3339.8	3364.0	3346.6	3300.1	3234.1	3212.8	3159.5	3122.2	3119.8
67.5°	3149.3	3278.7	3359.7	3461.9	3518.6	3573.9	3588.4	3607.3	3572.9	3556.0	3560.8
69°	2885.2	2981.1	3162.4	3232.2	3321.9	3395.5	3492.5	3509.4	3542.9	3547.7	3612.2
70°	2623.5	2764.5	2868.2	2972.9	3097.0	3177.9	3221.5	3293.3	3376.1	3416.9	3486.6
72.5°	1886.3	1932.3	2006.0	2141.7	2176.1	2260.0	2345.8	2406.8	2504.2	2573.1	2737.4
75°	1017.8	1045.4	1161.2	1238.3	1258.7	1286.3	1349.3	1364.3	1400.7	1423.0	1581.0
77.5°	464.8	507.0	522.0	564.1	540.4	552.0	567.1	563.7	573.8	622.3	677.6
80°	214.2	222.5	228.3	245.7	246.7	242.8	244.3	241.8	239.9	247.7	253.5
82.5°	104.2	116.8	116.8	127.5	132.8	131.3	134.3	133.3	135.2	133.3	139.6
85°	61.1	61.1	65.9	71.7	70.8	72.7	72.7	76.6	77.1	78.0	78.0
87.5°	28.6	31.5	33.0	35.4	36.3	37.8	38.8	38.8	39.3	38.3	39.3
90°	7.3	7.3	12.1	12.1	13.1	14.5	12.6	13.6	17.0	12.6	16.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P226244

CATALOG NUMBER: IST-AF-600-LED-E1-T2-8030

**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: P226244

CATALOG NUMBER: IST-AF-600-LED-E1-T2-8030

**CANDELA DISTRIBUTION (continued):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	464.3	464.3	464.3	464.3	464.3	464.3	464.3	464.3	464.3	464.3	464.3
2.5°	473.0	474.0	473.5	471.6	471.1	471.1	470.1	469.6	468.7	468.2	469.2
5°	481.8	481.8	480.3	478.4	476.4	475.9	475.5	473.0	472.1	471.1	470.1
7.5°	490.0	489.0	487.1	483.7	481.8	481.3	479.3	476.9	474.5	472.5	471.6
10°	498.7	497.7	493.9	491.4	487.6	487.1	483.7	480.8	478.4	475.9	474.0
12.5°	511.3	510.3	506.0	500.2	497.3	495.3	491.0	487.6	484.2	481.3	477.9
15°	530.7	526.8	523.9	518.1	513.7	509.9	504.5	499.7	494.8	490.0	487.1
17.5°	557.8	552.5	544.8	541.4	535.6	529.2	522.0	518.6	512.3	506.5	500.7
20°	593.2	587.9	575.8	571.4	563.2	554.0	548.2	540.9	535.6	526.3	520.0
22.5°	632.5	627.6	616.0	604.4	596.6	589.3	580.1	570.9	560.8	552.0	545.2
25°	683.4	676.1	665.9	654.3	642.7	632.5	619.9	606.8	598.1	586.0	576.3
27.5°	752.7	740.1	723.1	710.5	701.3	685.8	670.3	658.7	645.1	629.1	618.4
30°	827.8	813.7	801.1	786.6	771.1	756.1	734.7	717.8	703.2	686.3	668.8
32.5°	911.2	899.0	881.1	862.2	845.2	826.3	810.8	792.9	767.7	749.8	731.4
35°	995.0	981.0	962.5	946.5	927.2	907.8	890.3	866.6	843.8	818.1	792.4
37.5°	1075.9	1063.8	1043.5	1019.2	1002.3	981.4	963.5	938.3	911.2	882.6	863.2
40°	1166.1	1146.7	1132.7	1104.5	1087.1	1063.8	1038.1	1018.8	992.6	961.6	933.9
42.5°	1269.3	1255.8	1240.7	1218.0	1199.5	1171.9	1139.4	1114.7	1090.5	1053.7	1015.4
45°	1400.2	1391.5	1366.7	1348.3	1323.6	1294.5	1266.4	1236.4	1198.1	1155.4	1120.5
47.5°	1557.2	1550.4	1528.1	1502.0	1469.5	1430.2	1404.1	1362.9	1330.4	1277.1	1235.4
50°	1699.7	1703.1	1691.0	1650.8	1621.7	1582.4	1541.2	1505.4	1455.4	1400.2	1346.9
52.5°	1869.8	1866.4	1835.9	1813.6	1779.2	1731.7	1686.6	1640.6	1585.8	1528.6	1462.2
55°	2032.7	2042.8	2021.5	1990.0	1948.3	1881.9	1836.4	1776.8	1719.1	1656.1	1579.5
57.5°	2190.7	2223.1	2206.7	2169.3	2126.7	2078.7	2018.6	1951.7	1892.1	1809.7	1723.5
60°	2387.4	2430.6	2437.4	2413.1	2366.6	2310.9	2231.9	2179.5	2097.6	2021.5	1955.1
62.5°	2690.4	2788.3	2782.4	2794.1	2761.1	2726.7	2634.1	2577.9	2471.3	2416.5	2323.9
65°	3196.3	3268.6	3355.3	3352.4	3329.6	3247.2	3151.3	3057.2	2987.0	2878.9	2782.4
67.5°	3620.9	3680.5	3731.9	3705.2	3652.9	3560.3	3447.9	3317.0	3209.9	3090.7	2964.2
69°	3660.6	3733.3	3763.4	3730.4	3636.4	3515.7	3405.7	3284.1	3136.7	3034.5	2880.3
70°	3554.0	3625.7	3686.3	3601.5	3515.2	3397.5	3277.3	3150.8	3019.0	2908.9	2753.4
72.5°	2823.1	2904.1	2895.8	2886.6	2817.8	2700.0	2589.5	2521.7	2429.1	2296.3	2183.9
75°	1641.5	1678.9	1613.4	1682.3	1599.9	1481.1	1496.6	1420.1	1352.2	1275.6	1216.5
77.5°	644.6	677.6	643.1	632.0	595.2	586.9	525.4	532.6	502.1	442.0	414.4
80°	244.3	248.6	242.8	230.7	228.3	214.2	210.3	196.8	190.5	170.6	163.3
82.5°	131.3	133.8	129.9	126.0	123.1	114.9	109.5	99.4	93.5	87.2	86.8
85°	75.6	73.7	71.7	69.8	65.4	60.6	56.7	52.8	48.5	45.1	41.7
87.5°	39.7	40.2	40.7	38.8	35.9	32.0	29.6	28.1	24.7	23.3	21.8
90°	13.1	9.7	11.1	14.1	13.1	10.7	10.2	8.7	7.3	7.3	5.8
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: P226244  
 CATALOG NUMBER: IST-AF-600-LED-E1-T2-8030

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: P226244  
 NUMBER: IST-AF-600-LED-E1-T2-8030

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°	110°	87°
464.3	464.3	464.3	464.3	464.3	464.3	464.3	464.3	464.3	464.3	464.3	110°	0.0
467.7	467.7	466.2	465.3	461.9	456.1	450.2	444.9	437.6	434.7	430.9	112.5°	0.0
469.2	468.2	466.7	464.8	458.0	444.4	430.4	415.4	399.8	385.8	369.3	115°	0.0
470.1	468.2	466.2	463.8	454.1	433.3	405.2	375.6	348.0	327.1	318.4	117.5°	0.0
470.6	469.2	466.7	463.3	449.8	418.7	373.7	331.0	306.8	298.6	297.1	120°	0.0
475.9	473.5	469.6	465.8	447.8	402.8	338.3	297.6	287.9	291.8	298.6	122.5°	0.0
482.7	479.8	475.0	471.1	446.9	381.9	303.9	278.7	282.1	292.7	303.9	125°	0.0
494.8	490.0	484.7	480.8	448.8	356.2	276.3	269.0	279.2	292.7	307.8	127.5°	0.0
512.8	506.0	499.7	492.9	451.7	324.2	259.8	262.7	274.8	289.3	305.8	130°	0.0
535.1	527.3	518.6	508.4	455.1	296.6	250.6	255.9	267.0	279.6	293.2	132.5°	0.0
565.1	554.5	543.3	530.7	459.9	266.6	242.3	248.1	254.9	262.2	269.0	135°	0.0
602.9	588.4	576.3	559.3	464.8	246.2	235.5	237.5	238.9	239.9	239.4	137.5°	0.0
653.3	631.0	617.0	596.1	470.1	235.5	227.8	225.4	222.9	219.6	215.7	140°	0.0
706.6	688.2	665.9	639.3	473.5	228.3	220.5	212.8	206.0	202.6	202.6	142.5°	0.0
768.7	745.9	717.8	684.3	469.2	220.5	210.8	200.6	196.8	201.1	199.7	145°	0.0
830.7	799.2	768.2	729.9	458.5	211.8	200.2	194.8	197.7	191.9	188.5	147.5°	0.0
899.0	864.1	821.0	776.4	443.0	202.6	194.8	197.7	187.6	180.8	183.7	150°	0.0
975.6	934.4	887.9	827.3	432.8	196.8	186.6	189.0	180.3	175.4	174.0	152.5°	0.0
1079.8	1021.2	964.5	893.2	440.6	187.6	170.6	180.3	175.4	171.1	167.2	155°	0.0
1182.1	1119.6	1052.7	968.8	454.1	180.8	158.0	171.1	174.5	167.2	159.9	157.5°	0.0
1284.8	1218.4	1140.4	1046.9	470.6	176.4	148.3	159.9	172.1	163.3	157.5	160°	0.0
1392.9	1309.1	1229.1	1128.3	491.9	172.1	140.6	150.2	167.7	163.3	154.6	162.5°	0.0
1506.3	1407.5	1327.5	1218.4	529.2	165.8	130.9	142.5	163.3	162.8	151.7	165°	0.0
1638.2	1549.9	1447.2	1336.2	581.1	158.5	122.1	136.7	159.5	160.9	148.3	167.5°	0.0
1862.6	1771.4	1647.4	1541.7	683.9	148.8	116.8	130.9	153.2	157.0	145.4	170°	0.0
2226.5	2102.5	1988.6	1889.7	859.8	135.2	112.9	124.6	146.4	152.2	143.0	172.5°	0.0
2643.8	2522.7	2385.0	2218.8	957.7	122.6	107.6	116.8	139.6	147.3	140.6	175°	0.0
2821.2	2662.7	2495.5	2298.3	864.1	112.4	101.8	109.5	131.8	140.6	137.2	177.5°	0.0
<b>2739.8</b>	<b>2579.4</b>	<b>2385.0</b>	<b>2191.6</b>	<b>751.7</b>	<b>107.1</b>	<b>98.4</b>	<b>105.7</b>	<b>126.0</b>	<b>136.2</b>	<b>133.8</b>	180°	0.0
2598.3	2436.9	2263.4	2031.2	671.3	104.2	96.0	103.2	123.6	133.8	131.8		
2055.0	1911.0	1751.1	1574.2	457.5	94.5	88.2	96.0	113.9	125.0	124.6		
1089.0	1046.9	928.6	824.9	237.0	84.3	80.0	87.7	105.2	116.8	116.8		
392.1	355.7	340.2	282.6	126.0	73.7	71.7	77.5	95.5	106.6	106.1		
148.3	144.4	129.4	121.2	80.0	60.1	60.6	66.4	83.8	94.5	94.0		
83.8	76.1	73.7	71.2	50.9	47.5	49.9	55.7	71.7	80.9	82.4		
40.2	37.3	36.3	33.9	33.4	36.3	39.3	44.1	57.2	68.3	66.9		
19.4	18.4	17.9	17.4	23.7	23.3	28.6	30.5	38.3	54.3	49.0		
6.3	6.3	5.8	4.8	6.8	7.8	9.2	13.1	16.0	31.5	25.7		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'226244  
 IST-AF-600-LED-E1-T2-8030

REPORT NUMBER: P226244  
 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°	464.3	464.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	427.5	420.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	357.2	356.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	313.1	306.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	298.6	298.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	304.9	306.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	313.1	316.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	318.4	323.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	317.0	323.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	301.0	303.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	272.4	273.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	238.0	237.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	213.7	207.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	202.6	198.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	194.8	188.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	202.1	201.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	208.9	207.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	197.3	188.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	175.9	165.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	161.4	155.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	154.6	152.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	152.7	157.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	151.7	157.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	144.9	154.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	140.1	151.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	137.2	149.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	134.7	150.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	130.9	153.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°	128.9	153.2
										70°	127.0	151.7
										72.5°	120.2	140.1
										75°	112.0	123.6
										77.5°	101.3	106.1
										80°	89.7	92.6
										82.5°	78.0	89.2
										85°	61.1	75.6
										87.5°	45.1	41.7
										90°	25.7	18.9
										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: P226244

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

0-LED-E1-T2-8030

**tinued):**

180°
464.3
422.1
353.3
307.3
299.5
305.3
317.0
325.7
324.7
306.3
274.3
240.9
212.3
203.1
191.4
204.0
209.9
190.5
165.8
154.6
151.7
159.0
156.5
154.6
151.7
149.3
148.8
149.8
147.8
145.4
130.9
117.8
106.1
93.5
79.0
59.1
45.1
16.0
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

