

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: P271647

Luminaire Tested: **IST-AF-600-LED-E1-T2-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271647
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-T2-7027
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3554.7 lumens
Efficiency: N/A
Efficacy: 105.5 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

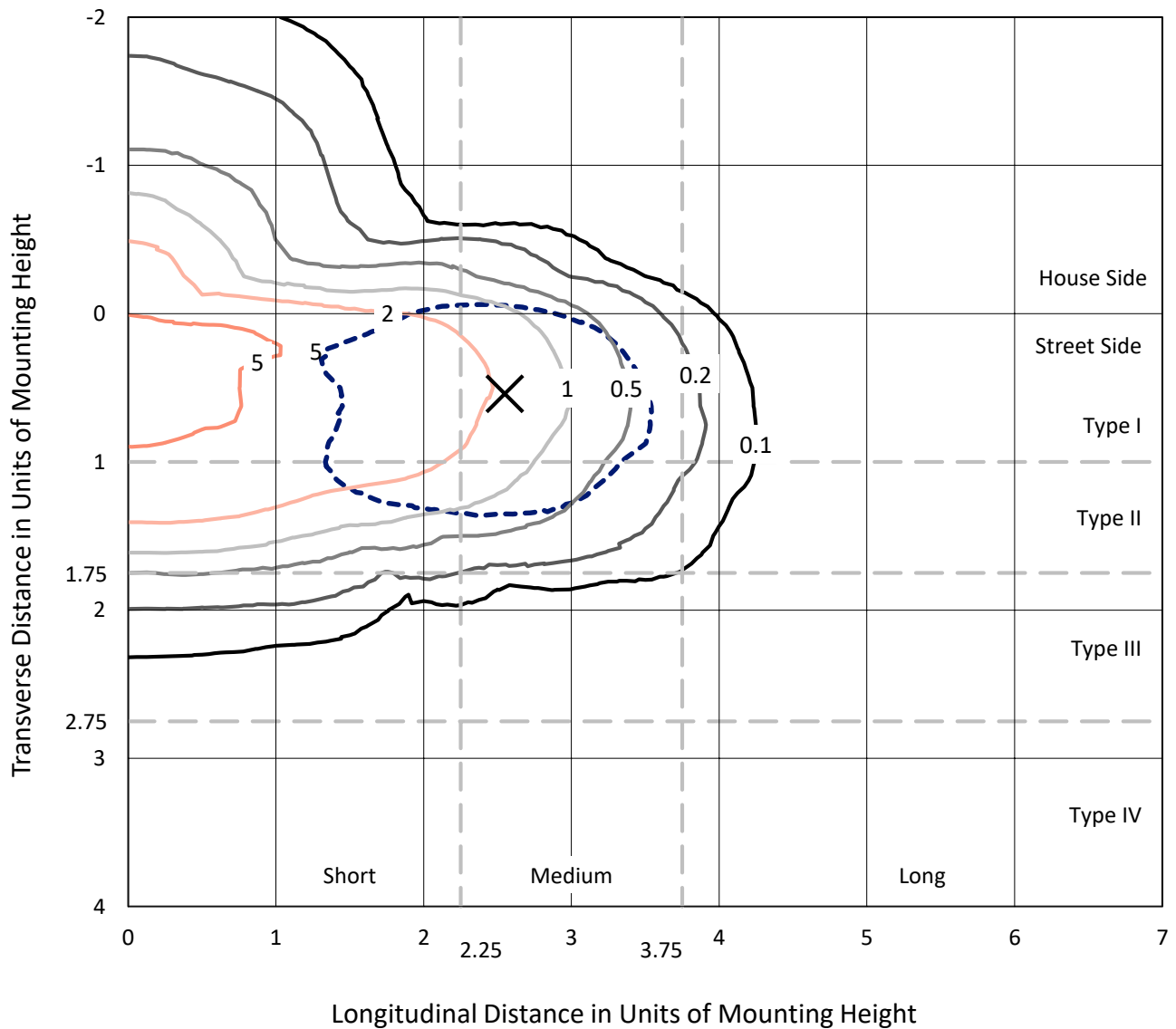
Input Watts (W): 33.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P271647
 CATALOG NUMBER: IST-AF-600-LED-E1-T2-7027

Iso-Footcandle Lines of Horizontal Illumination

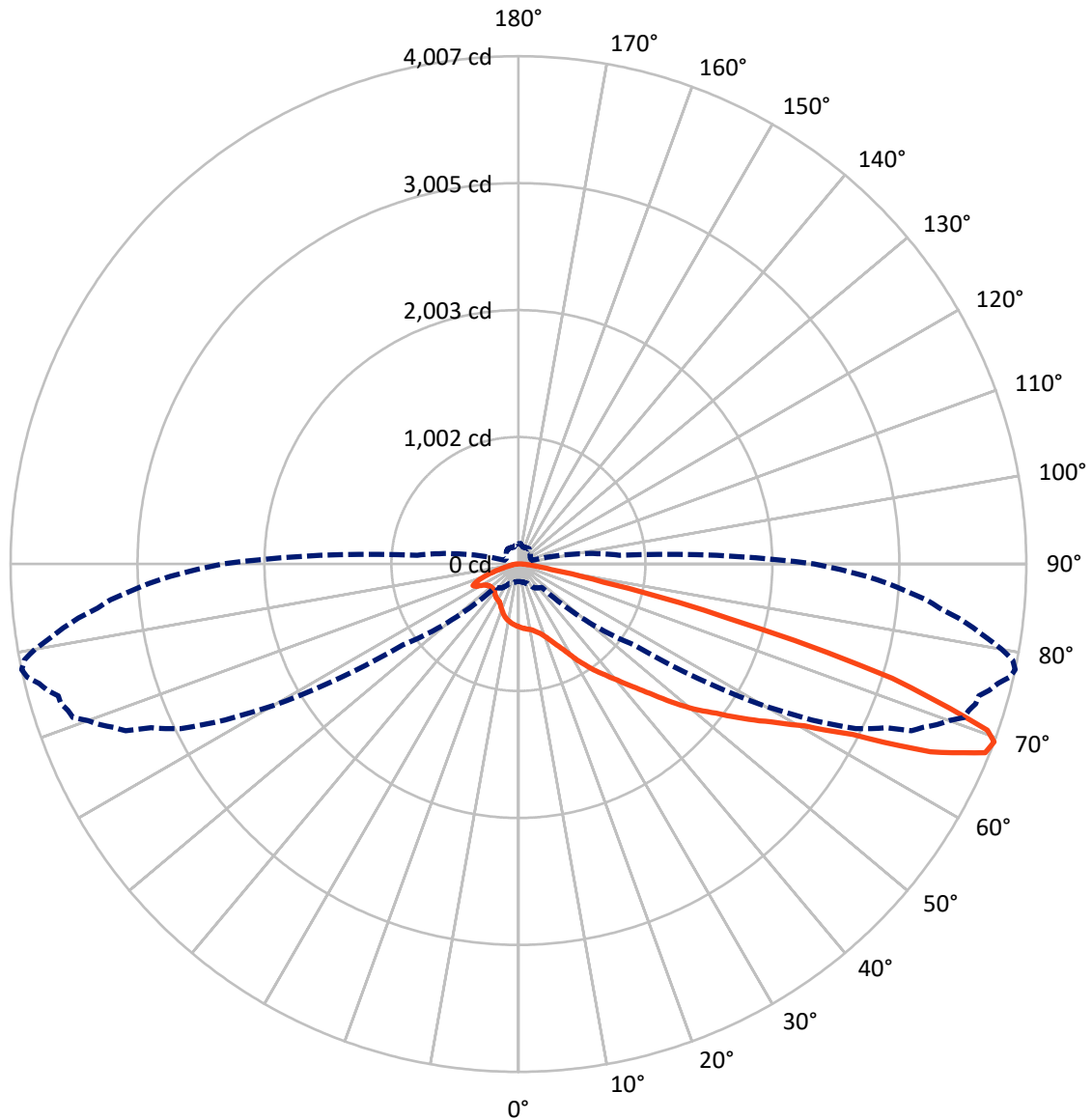
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type II - Medium - Cutoff

REPORT NUMBER: P271647
CATALOG NUMBER: IST-AF-600-LED-E1-T2-7027

Luminous Intensity Polar Plot



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

REPORT NUMBER: P271647

CATALOG NUMBER: IST-AF-600-LED-E1-T2-7027

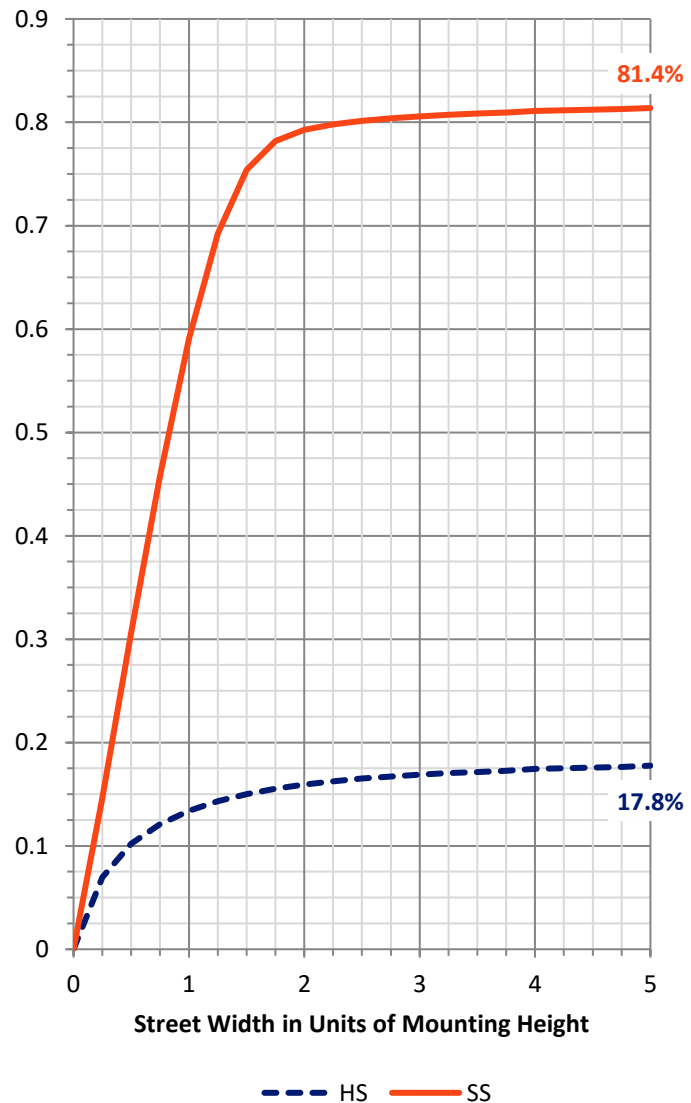
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	649.9	1.2	651.2
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	2902.9	0.6	2903.5
	% Fixture	81.7	0.0	81.7
Total	Lumens	3552.8	1.8	3554.7
	% Fixture	99.9	0.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.9	1.3
10°-20°	138.6	3.9
20°-30°	248.5	7.0
30°-40°	405.6	11.4
40°-50°	600.0	16.9
50°-60°	783.4	22.0
60°-70°	876.1	24.6
70°-80°	393.3	11.1
80°-90°	61.3	1.7
90°-100°	1.8	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°	3552.8	99.9
0°-180°	3554.7	100.0



REPORT NUMBER: P271647

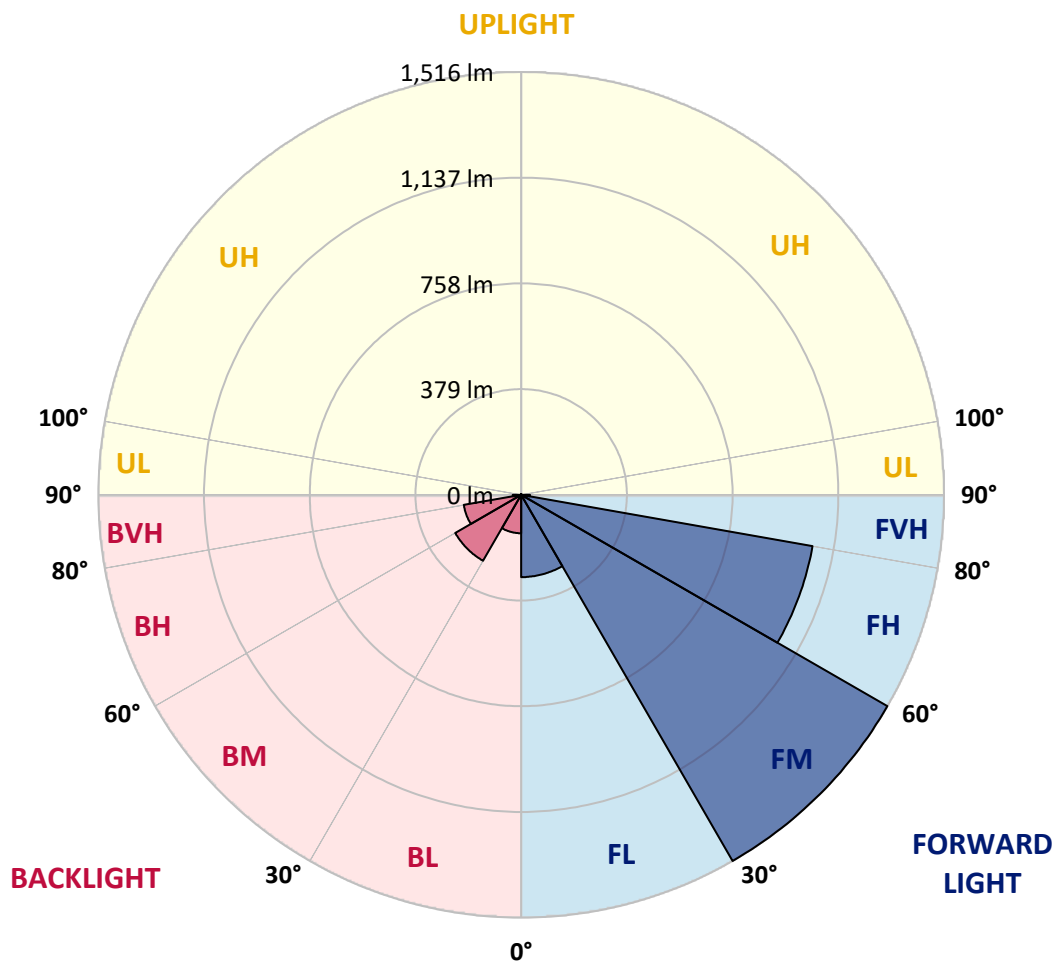
CATALOG NUMBER: IST-AF-600-LED-E1-T2-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	295.1	8.3			
FM	(30°-60°)	1515.9	42.6			
FH	(60°-80°)	1060.6	29.8			G1/1800
FVH	(80°-90°)	31.3	0.9			G1/100
BL	(0°-30°)	137.9	3.9	B1/500		
BM	(30°-60°)	273.1	7.7	B1/1000		
BH	(60°-80°)	208.9	5.9	B1/500		G1/500
BVH	(80°-90°)	30.0	0.8			G1/100
UL	(90°-100°)	1.8	0.1		U1/10	
UH	(100°-180°)	1.2	0.0		U1/10	

BUG Rating: B1-U1-G1

Type II Medium





REPORT NUMBER: P271647

CATALOG NUMBER: IST-AF-600-LED-E1-T2-7027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	494.3	494.3	494.3	494.3	494.3	494.3	494.3	494.3	494.3	494.3	494.3
2.5°	529.4	529.4	527.9	526.9	525.3	521.2	515.0	514.0	513.4	512.4	511.3
5°	568.2	564.0	565.0	562.5	556.8	549.5	538.3	532.5	529.4	528.9	526.9
7.5°	599.6	600.2	598.6	593.4	585.7	576.9	561.4	552.6	550.1	548.5	544.9
10°	622.3	620.8	619.7	618.8	612.6	605.3	585.7	574.8	572.8	568.6	564.6
12.5°	638.9	638.9	638.9	637.8	634.2	628.5	613.0	602.2	599.6	594.0	590.4
15°	656.9	654.9	652.8	651.2	651.7	651.7	640.4	632.1	628.1	625.0	617.7
17.5°	695.6	691.0	686.3	680.2	670.3	667.7	667.2	666.7	661.1	660.5	653.2
20°	728.6	724.6	720.4	714.2	700.3	685.2	693.0	700.3	699.2	699.7	696.2
22.5°	769.4	766.3	758.0	750.8	732.7	714.7	715.7	731.2	733.3	735.4	736.4
25°	825.1	823.6	810.1	796.3	775.6	758.6	742.6	761.7	765.7	770.5	779.7
27.5°	881.3	877.7	863.3	851.0	825.1	807.0	784.8	795.2	801.4	810.1	824.6
30°	954.1	944.3	939.2	911.3	887.5	861.3	842.1	845.2	844.1	854.6	876.7
32.5°	1059.4	1043.9	1018.0	990.2	962.4	927.3	911.3	910.8	908.2	920.0	932.5
35°	1116.1	1112.6	1096.5	1068.7	1038.2	1005.2	995.0	985.1	986.7	992.9	997.5
37.5°	1177.6	1174.4	1162.0	1146.6	1123.4	1141.5	1084.2	1069.7	1063.1	1059.9	1061.4
40°	1204.4	1207.1	1213.7	1216.2	1202.9	1289.6	1176.5	1129.1	1127.0	1122.3	1117.7
42.5°	1210.1	1216.8	1230.2	1259.6	1272.4	1461.5	1252.9	1195.6	1187.4	1183.8	1184.2
45°	1230.7	1241.1	1243.6	1270.5	1331.4	1470.2	1339.1	1254.4	1248.3	1247.7	1244.6
47.5°	1280.7	1294.6	1294.6	1306.6	1364.3	1487.1	1368.5	1313.3	1309.2	1307.1	1315.4
50°	1288.0	1306.6	1343.8	1382.0	1423.7	1501.1	1402.1	1377.3	1378.8	1383.5	1407.7
52.5°	1165.7	1184.2	1282.3	1394.8	1531.0	1539.2	1452.6	1462.4	1472.7	1495.5	1539.9
55°	999.5	1013.0	1129.1	1309.2	1535.1	1684.3	1579.6	1606.9	1628.5	1635.3	1704.9
57.5°	786.9	805.5	923.6	1157.5	1433.5	1725.6	1871.6	1884.0	1859.7	1881.9	1907.2
60°	426.2	424.2	588.7	837.0	1219.9	1649.2	2153.3	2366.0	2371.2	2405.2	2364.4
62.5°	238.4	238.4	285.9	429.9	784.8	1395.3	2288.6	2782.9	2847.4	2901.6	3020.8
65°	180.1	181.6	198.6	259.0	440.7	880.9	2189.5	2925.3	3049.2	3173.5	3382.6
67.5°	149.7	149.7	162.1	193.0	275.6	399.9	1612.1	2639.5	2794.3	2942.8	3231.8
69°	138.8	139.3	148.6	169.8	230.7	260.1	1113.6	2237.9	2415.0	2620.9	2961.4
70°	133.7	132.1	140.9	158.4	208.9	205.4	815.8	1945.9	2083.2	2268.0	2659.6
72.5°	118.7	117.0	121.8	135.1	164.6	146.5	332.8	1047.1	1253.9	1460.8	1773.1
75°	105.8	104.2	107.9	114.1	128.0	112.0	167.2	438.6	531.0	686.3	946.9
77.5°	93.4	90.3	93.4	97.6	100.6	83.6	113.5	202.7	248.7	305.5	431.4
80°	84.6	81.6	85.2	83.0	78.9	64.5	75.4	118.1	131.1	156.8	205.4
82.5°	60.4	59.8	80.9	83.6	62.9	46.9	53.7	75.9	84.6	89.3	108.3
85°	37.2	35.7	46.9	59.8	64.0	29.5	34.6	44.8	46.9	51.1	60.4
87.5°	19.1	19.7	25.3	30.9	41.8	17.6	20.6	26.3	26.3	26.3	29.9
90°	4.6	5.7	7.7	10.8	8.7	4.6	7.7	6.2	7.3	6.2	7.3
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: P271647

CATALOG NUMBER: IST-AF-600-LED-E1-T2-7027

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: P271647

CATALOG NUMBER: IST-AF-600-LED-E1-T2-7027

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	494.3	494.3	494.3	494.3	494.3	494.3	494.3	494.3	494.3	494.3	494.3
2.5°	511.9	510.3	508.4	508.8	507.7	506.3	506.7	506.3	506.7	505.7	504.7
5°	526.9	525.9	522.7	522.3	521.2	520.2	518.6	517.1	516.5	515.4	513.4
7.5°	543.9	540.8	539.3	537.2	534.6	530.4	530.0	527.9	526.4	525.3	522.7
10°	561.4	557.8	555.7	553.2	550.6	548.1	545.5	541.8	538.3	537.2	534.1
12.5°	587.7	583.1	579.0	574.8	572.3	567.5	564.0	559.4	555.7	554.3	549.0
15°	616.7	610.5	606.4	603.2	599.1	594.9	590.4	586.2	580.6	575.9	571.2
17.5°	650.7	645.1	641.9	636.3	631.1	626.5	622.9	617.7	613.0	604.8	600.7
20°	695.6	691.0	687.3	681.2	675.4	670.9	667.7	656.9	650.7	643.5	636.8
22.5°	737.4	737.9	734.4	730.2	726.5	720.4	715.2	707.4	699.7	691.0	681.6
25°	782.9	786.9	787.5	786.5	784.4	777.1	774.6	766.8	760.7	746.2	742.0
27.5°	833.4	838.0	843.7	851.0	852.5	844.8	848.4	840.6	829.8	823.6	810.1
30°	882.5	895.3	907.2	915.5	920.7	924.2	921.6	919.1	911.8	901.4	889.6
32.5°	945.4	958.9	970.7	988.8	997.9	1009.3	1007.3	1008.3	1005.7	995.4	981.5
35°	1008.9	1020.7	1036.1	1048.1	1070.8	1083.2	1093.5	1093.0	1093.0	1086.8	1073.4
37.5°	1065.1	1071.8	1084.7	1104.3	1119.3	1138.9	1155.4	1162.0	1173.0	1173.5	1159.0
40°	1123.9	1130.6	1140.4	1155.0	1171.4	1194.6	1216.8	1238.4	1248.7	1259.6	1253.9
42.5°	1187.4	1194.6	1201.8	1211.2	1234.8	1252.9	1282.8	1312.2	1333.4	1355.6	1352.9
45°	1250.4	1258.5	1268.9	1282.8	1304.0	1333.4	1362.3	1395.3	1443.8	1470.2	1488.2
47.5°	1321.6	1334.9	1354.0	1376.2	1393.3	1423.7	1460.4	1511.5	1560.4	1605.9	1634.3
50°	1428.8	1434.1	1465.0	1486.7	1519.1	1550.1	1586.8	1631.7	1695.1	1741.5	1787.0
52.5°	1555.2	1574.9	1605.9	1630.6	1656.5	1687.4	1725.0	1765.3	1828.3	1880.4	1939.2
55°	1718.4	1746.2	1773.1	1786.5	1822.6	1850.5	1880.9	1920.7	1988.3	2045.0	2114.1
57.5°	1912.9	1940.8	1953.6	1973.3	1988.8	2019.7	2061.0	2087.8	2147.7	2206.6	2279.8
60°	2312.2	2294.8	2310.2	2279.8	2275.1	2277.7	2286.5	2307.2	2340.7	2395.4	2472.9
62.5°	3033.1	3008.0	2940.8	2916.5	2869.6	2806.1	2746.3	2738.0	2720.4	2761.7	2810.3
65°	3454.3	3546.1	3555.9	3581.7	3563.1	3513.6	3443.5	3420.7	3364.0	3324.3	3321.7
67.5°	3353.1	3490.9	3577.1	3685.9	3746.3	3805.2	3820.6	3840.7	3804.1	3786.1	3791.3
69°	3071.9	3174.1	3367.0	3441.4	3536.9	3615.3	3718.4	3736.5	3772.2	3777.4	3845.9
70°	2793.2	2943.4	3053.9	3165.3	3297.4	3383.6	3430.0	3506.4	3594.7	3638.0	3712.2
72.5°	2008.4	2057.4	2135.8	2280.3	2317.0	2406.2	2497.6	2562.5	2666.3	2739.7	2914.6
75°	1083.6	1113.1	1236.3	1318.4	1340.1	1369.6	1436.6	1452.6	1491.4	1515.0	1683.2
77.5°	494.9	539.7	555.7	600.7	575.4	587.7	603.8	600.2	610.9	662.6	721.4
80°	228.1	236.8	243.0	261.7	262.7	258.5	260.1	257.5	255.5	263.7	269.9
82.5°	110.9	124.3	124.3	135.7	141.4	139.9	142.9	141.9	144.0	141.9	148.6
85°	64.9	64.9	70.2	76.4	75.4	77.4	77.4	81.6	82.0	83.0	83.0
87.5°	30.5	33.6	35.1	37.7	38.6	40.2	41.3	41.3	41.8	40.7	41.8
90°	7.7	7.7	12.8	12.8	13.9	15.5	13.5	14.5	18.1	13.5	17.1
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: P271647

CATALOG NUMBER: IST-AF-600-LED-E1-T2-7027

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: P271647

CATALOG NUMBER: IST-AF-600-LED-E1-T2-7027

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	494.3	494.3	494.3	494.3	494.3	494.3	494.3	494.3	494.3	494.3	494.3
2.5°	503.6	504.7	504.2	502.2	501.5	501.5	500.5	500.1	499.0	498.5	499.5
5°	512.9	512.9	511.3	509.2	507.3	506.7	506.3	503.6	502.6	501.5	500.5
7.5°	521.6	520.7	518.6	515.0	512.9	512.4	510.3	507.7	505.2	503.1	502.2
10°	531.0	530.0	525.9	523.3	519.1	518.6	515.0	511.9	509.2	506.7	504.7
12.5°	544.5	543.4	538.7	532.5	529.4	527.3	522.7	519.1	515.4	512.4	508.8
15°	565.0	560.9	557.8	551.6	547.0	542.8	537.2	532.1	526.9	521.6	518.6
17.5°	594.0	588.3	580.0	576.4	570.2	563.5	555.7	552.2	545.5	539.3	533.1
20°	631.6	625.8	613.0	608.4	599.6	589.7	583.6	575.9	570.2	560.5	553.6
22.5°	673.4	668.2	655.9	643.5	635.2	627.5	617.7	607.8	597.0	587.7	580.6
25°	727.5	719.8	709.0	696.6	684.3	673.4	660.0	646.2	636.8	623.9	613.5
27.5°	801.4	787.9	769.8	756.6	746.7	730.2	713.6	701.3	686.8	669.8	658.5
30°	881.3	866.4	853.0	837.5	821.1	805.0	782.3	764.3	748.7	730.7	712.2
32.5°	970.1	957.2	938.1	918.0	899.9	879.8	863.3	844.1	817.4	798.3	778.7
35°	1059.4	1044.4	1024.9	1007.8	987.1	966.6	947.9	922.6	898.5	871.1	843.7
37.5°	1145.6	1132.7	1111.0	1085.2	1067.2	1045.0	1025.9	999.0	970.1	939.6	919.1
40°	1241.5	1221.0	1206.0	1176.0	1157.5	1132.7	1105.4	1084.7	1056.9	1023.8	994.3
42.5°	1351.5	1336.9	1321.0	1296.7	1277.2	1247.7	1213.3	1186.9	1161.1	1121.8	1081.1
45°	1490.7	1481.6	1455.2	1435.6	1409.4	1378.3	1348.4	1316.4	1275.6	1230.2	1193.1
47.5°	1658.0	1650.7	1627.0	1599.2	1564.6	1522.8	1494.9	1451.0	1416.4	1359.8	1315.4
50°	1809.6	1813.3	1800.5	1757.5	1726.6	1684.8	1640.9	1602.8	1549.7	1490.7	1434.1
52.5°	1990.8	1987.2	1954.7	1931.0	1894.3	1843.7	1795.8	1746.8	1688.5	1627.5	1556.9
55°	2164.2	2175.1	2152.4	2118.8	2074.5	2003.7	1955.3	1891.7	1830.4	1763.2	1681.8
57.5°	2332.4	2367.0	2349.4	2309.7	2264.3	2213.2	2149.3	2078.0	2014.6	1926.9	1835.0
60°	2541.9	2587.8	2595.1	2569.3	2519.7	2460.4	2376.3	2320.6	2233.4	2152.4	2081.6
62.5°	2864.4	2968.7	2962.5	2974.8	2939.8	2903.1	2804.6	2744.7	2631.2	2572.8	2474.3
65°	3403.2	3480.0	3572.4	3569.3	3545.1	3457.4	3355.2	3255.1	3180.3	3065.2	2962.5
67.5°	3855.3	3918.7	3973.5	3945.0	3889.3	3790.7	3671.0	3531.7	3417.6	3290.7	3156.0
69°	3897.6	3974.9	4006.9	3971.9	3871.8	3743.2	3626.1	3496.7	3339.7	3230.8	3066.7
70°	3784.0	3860.4	3924.9	3834.5	3742.8	3617.4	3489.4	3354.7	3214.3	3097.2	2931.6
72.5°	3005.9	3092.1	3083.3	3073.4	3000.2	2874.8	2757.1	2684.9	2586.3	2445.0	2325.3
75°	1747.8	1787.4	1717.9	1791.1	1703.4	1577.0	1593.5	1511.9	1439.7	1358.1	1295.3
77.5°	686.3	721.4	684.8	672.9	633.7	625.0	559.4	567.1	534.6	470.6	441.2
80°	260.1	264.7	258.5	245.7	243.0	228.1	223.9	209.6	202.7	181.6	173.9
82.5°	139.9	142.4	138.2	134.2	131.1	122.3	116.6	105.8	99.6	92.9	92.3
85°	80.5	78.4	76.4	74.3	69.7	64.5	60.4	56.2	51.7	48.0	44.4
87.5°	42.3	42.8	43.4	41.3	38.2	34.0	31.5	29.9	26.3	24.7	23.3
90°	13.9	10.3	11.9	14.9	13.9	11.4	10.8	9.3	7.7	7.7	6.2
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: P271647
 CATALOG NUMBER: IST-AF-600-LED-E1-T2-7027

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°

'271647
 IST-AF-600-LED-E1-T2-7027

REPORT NUMBER: P271647
 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°	494.3	494.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	455.1	448.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	380.3	379.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	333.3	326.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	317.9	317.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	324.6	326.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	333.3	336.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	339.0	344.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	337.4	344.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	320.4	323.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	290.1	291.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	253.3	252.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	227.6	220.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	215.8	211.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	207.5	200.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	215.1	214.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	222.4	221.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	210.0	200.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	187.4	176.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	171.8	165.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	164.6	162.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	162.5	167.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	161.5	167.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	154.3	164.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	149.1	161.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	146.1	159.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	143.5	160.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	139.3	163.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°	137.4	163.0
										70°	135.1	161.5
										72.5°	128.0	149.1
										75°	119.3	131.6
										77.5°	107.9	113.0
										80°	95.5	98.5
										82.5°	83.0	95.0
										85°	64.9	80.5
										87.5°	48.0	44.4
										90°	27.4	20.1
										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: P271647

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

0-LED-E1-T2-7027

tinued):

180°
494.3
449.4
376.2
327.2
318.9
325.1
337.4
346.7
345.8
326.2
292.1
256.5
226.0
216.2
203.8
217.2
223.5
202.7
176.4
164.6
161.5
169.2
166.6
164.6
161.5
158.9
158.4
159.4
157.5
154.8
139.3
125.4
113.0
99.6
84.1
62.9
48.0
17.1
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

