

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: P271642

Luminaire Tested: **IST-AF-600-LED-E1-SL2-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271642
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35945)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: IST-AF-600-LED-E1-SL2-7027
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II W/SPILL CONTROL
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3434.4 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U1 - G1

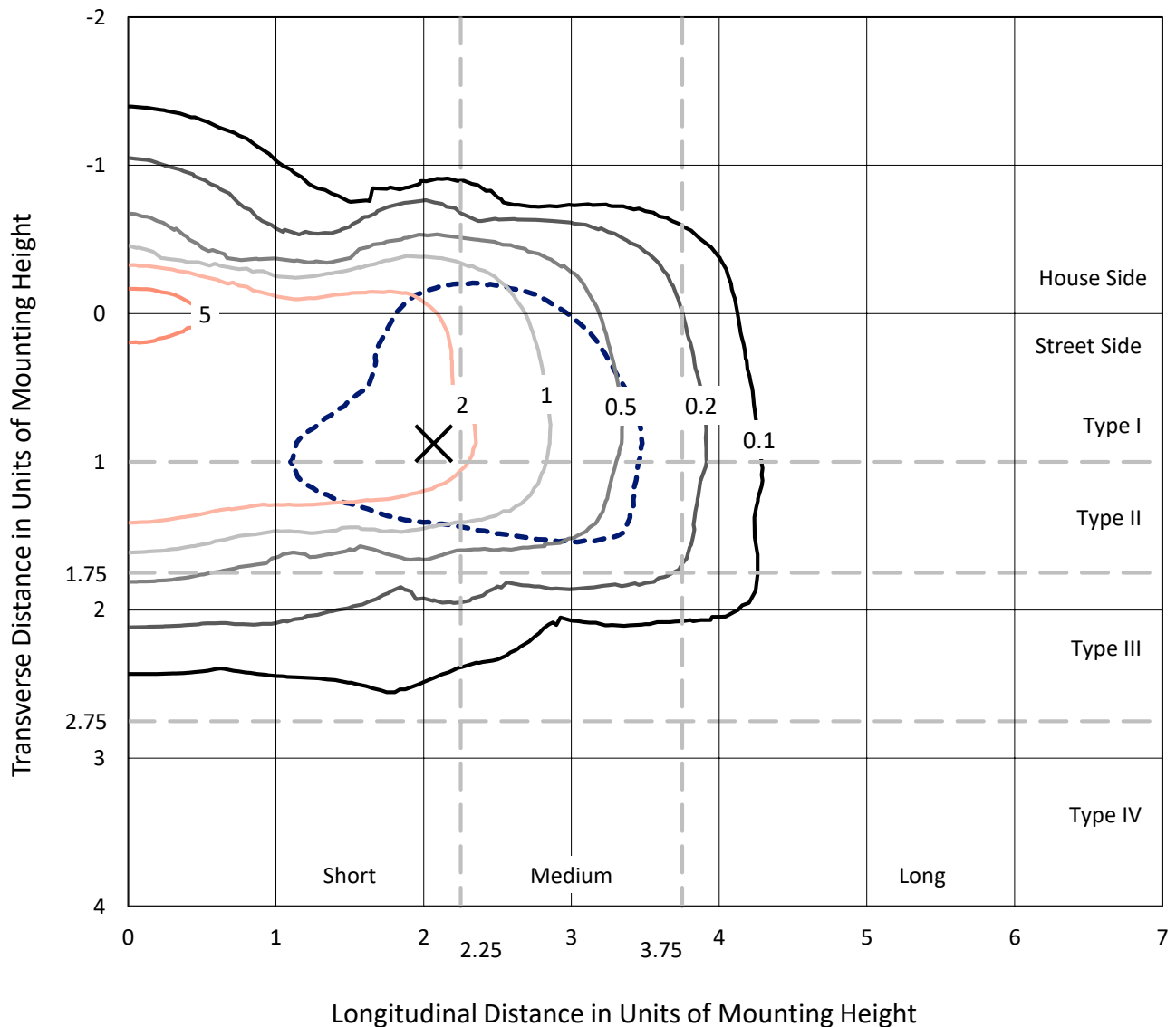
Input Watts (W): 33.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

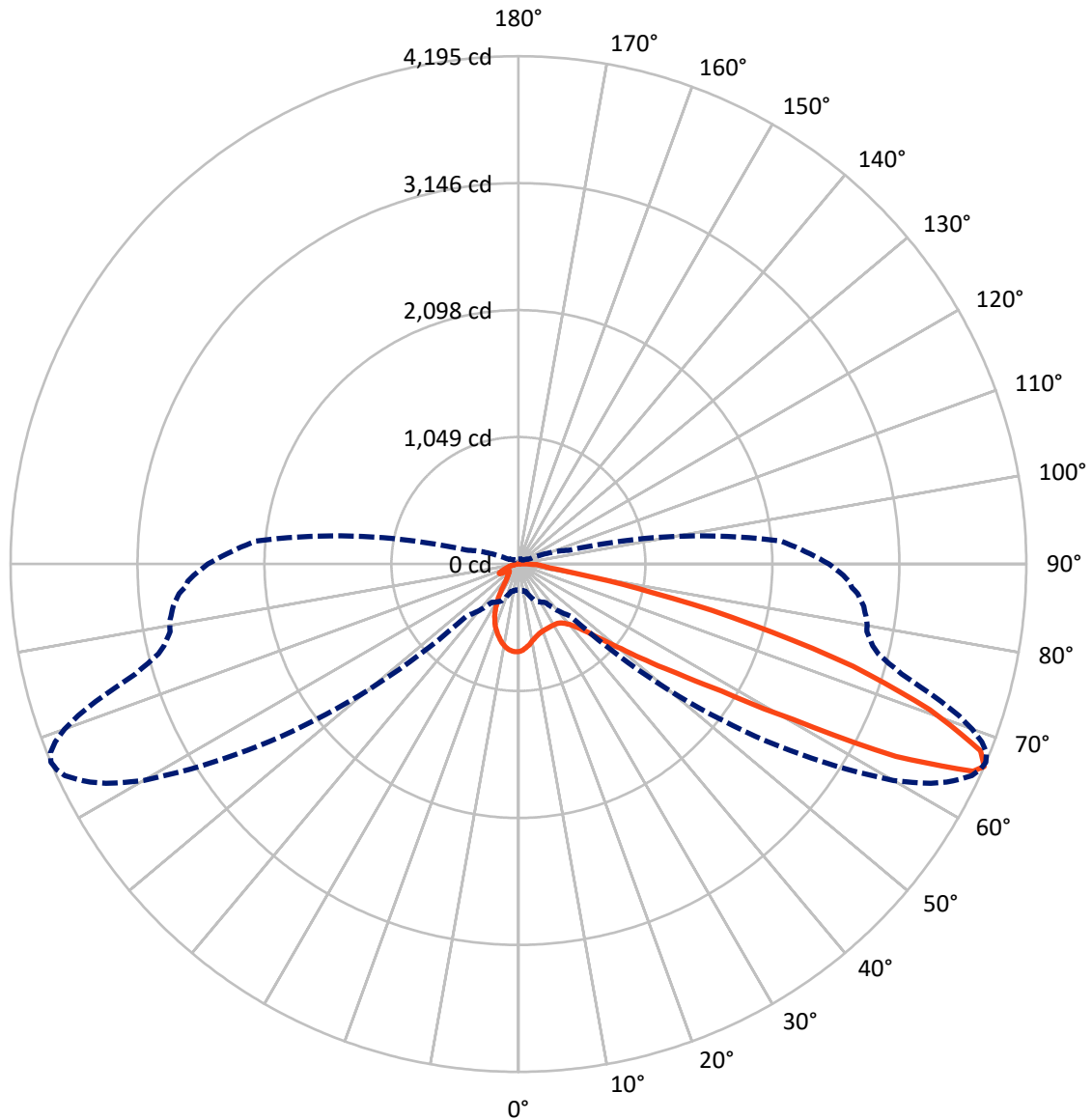
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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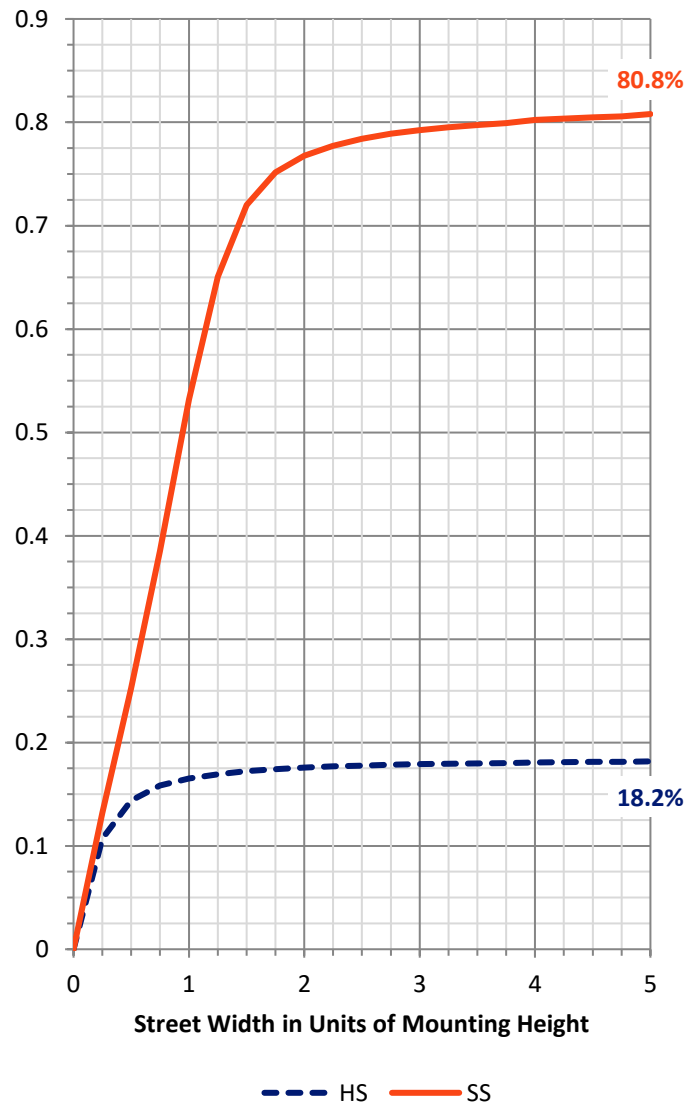
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	634.1	0.3	634.4
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	2799.1	1.0	2800.1
	% Fixture	81.5	0.0	81.5
Total	Lumens	3433.2	1.2	3434.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.7	1.8
10°-20°	149.2	4.3
20°-30°	204.6	6.0
30°-40°	292.3	8.5
40°-50°	473.9	13.8
50°-60°	750.9	21.9
60°-70°	951.6	27.7
70°-80°	473.0	13.8
80°-90°	74.9	2.2
90°-100°	1.2	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3433.2	100.0
0°-180°	3434.4	100.0



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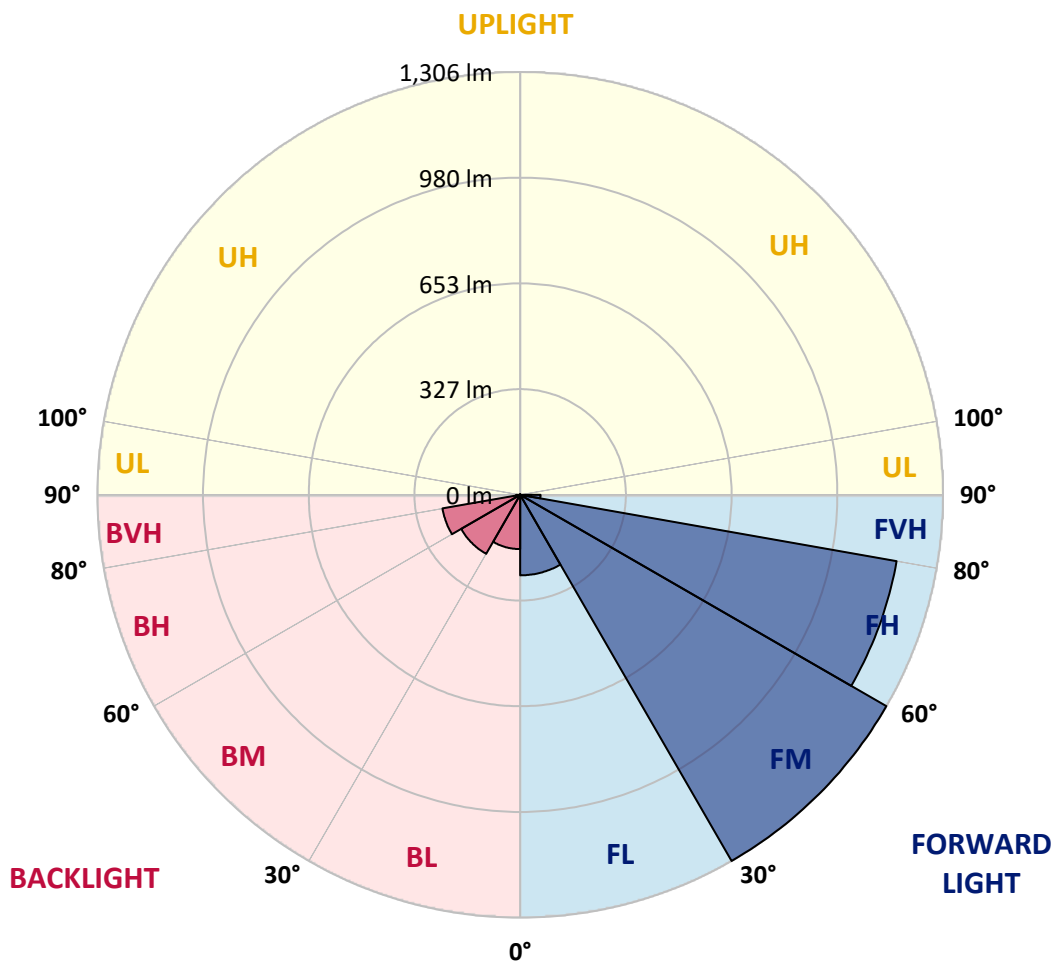
CATALOG NUMBER: IST-AF-600-LED-E1-SL2-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	248.8	7.2			
FM	(30°-60°)	1306.5	38.0			
FH	(60°-80°)	1180.9	34.4			G1/1800
FVH	(80°-90°)	62.8	1.8			G1/100
BL	(0°-30°)	167.7	4.9	B1/500		
BM	(30°-60°)	210.7	6.1	B0/220		
BH	(60°-80°)	243.7	7.1	B1/500		G1/500
BVH	(80°-90°)	12.1	0.4			G1/100
UL	(90°-100°)	1.2	0.0		U1/10	
UH	(100°-180°)	0.3	0.0		U1/10	

BUG Rating: B1-U1-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	63°
0°	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9
2.5°	671.8	673.4	682.2	686.8	693.5	695.6	703.4	706.3	709.0	708.4	708.4
5°	611.5	616.1	620.2	629.5	639.3	651.2	666.1	677.5	679.6	682.2	683.7
7.5°	565.6	568.6	575.8	582.6	594.9	611.5	632.6	647.0	650.1	651.2	654.9
10°	533.1	535.1	541.3	550.0	564.5	580.5	602.8	617.7	622.3	624.3	627.5
12.5°	507.7	510.9	516.5	525.8	541.3	557.8	581.0	595.9	599.1	601.7	606.3
15°	491.7	493.8	499.0	509.2	523.3	539.7	562.4	580.5	582.6	585.2	589.3
17.5°	488.7	490.1	493.3	501.1	511.9	527.8	551.1	566.0	569.6	573.3	577.4
20°	501.1	502.1	503.1	504.1	510.2	520.7	543.4	559.4	562.4	565.6	570.7
22.5°	527.8	529.4	526.9	523.3	518.6	520.7	539.7	556.2	558.3	561.4	565.6
25°	574.3	572.8	565.0	559.4	542.8	529.4	540.8	554.7	557.3	560.4	565.0
27.5°	629.0	626.9	622.3	606.9	579.5	552.1	547.0	557.3	558.8	561.4	565.6
30°	687.8	688.3	684.1	667.2	632.0	586.1	560.9	563.5	564.5	566.7	569.2
32.5°	740.9	748.6	748.2	747.2	697.2	632.0	587.7	577.4	575.8	577.4	578.4
35°	802.4	803.9	818.4	825.6	784.8	699.2	626.9	604.2	598.0	598.5	597.6
37.5°	868.4	870.5	895.3	907.6	876.2	775.6	679.1	643.9	638.2	632.6	628.5
40°	964.4	972.7	985.5	999.5	984.0	878.3	747.7	700.2	685.8	684.7	676.4
42.5°	1107.8	1105.3	1099.1	1110.5	1091.8	993.3	830.8	779.7	768.8	754.4	743.1
45°	1248.7	1254.4	1227.5	1232.7	1233.7	1126.5	950.9	879.2	873.6	856.5	844.1
47.5°	1343.7	1337.5	1301.4	1327.7	1392.1	1281.7	1090.4	1014.9	1003.0	994.3	986.6
50°	1348.9	1343.7	1320.4	1367.0	1504.6	1557.8	1284.3	1196.6	1179.6	1164.0	1159.4
52.5°	1223.0	1215.7	1223.4	1317.8	1545.4	1789.0	1558.3	1422.1	1408.1	1395.2	1377.2
55°	998.5	1006.7	1043.3	1179.0	1482.9	1953.1	2097.5	1770.4	1710.6	1710.0	1665.6
57.5°	745.6	737.4	764.6	892.2	1325.1	2011.3	2592.9	2511.9	2378.3	2287.9	2179.1
60°	503.1	505.2	530.4	595.9	922.1	1947.9	2924.6	3206.9	3160.0	3140.8	3111.5
62.5°	348.8	351.9	375.1	436.6	539.3	1567.0	3021.7	3596.5	3680.5	3750.2	3733.3
65°	244.1	244.6	267.9	362.7	404.0	804.9	2807.6	3648.1	3773.5	3893.2	4000.5
66°	215.1	215.8	234.7	337.4	387.5	607.3	2621.7	3576.3	3719.3	3858.6	3969.5
67.5°	184.2	187.3	202.3	286.9	371.4	468.6	2165.6	3362.3	3511.8	3665.2	3811.7
70°	126.4	127.5	140.9	232.8	347.7	411.2	1234.2	2624.8	2831.7	3101.1	3257.0
72.5°	90.3	89.3	90.8	144.0	357.1	408.7	648.6	1727.5	2017.1	2253.4	2422.1
75°	80.5	78.0	71.2	89.3	260.6	446.4	434.5	1017.0	1237.3	1452.5	1625.4
77.5°	71.8	67.6	64.0	68.6	129.0	420.6	390.1	582.6	695.1	855.5	988.7
80°	54.7	52.1	54.2	59.4	77.4	387.0	387.5	387.5	417.9	470.6	523.3
82.5°	36.1	33.0	37.7	49.0	58.3	291.5	400.5	342.2	336.4	334.3	338.0
85°	22.6	19.7	26.3	36.7	44.8	152.3	410.7	361.2	334.9	309.6	284.3
87.5°	8.3	9.3	13.5	21.2	29.5	66.0	360.2	318.4	300.3	268.9	239.4
90°	2.1	1.5	2.5	6.2	6.6	12.4	55.2	88.2	52.6	26.3	21.2
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



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	63°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	64°	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°
0°	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9
2.5°	709.0	711.5	712.5	711.5	712.1	715.2	714.2	715.7	715.7	716.7	716.7
5°	685.8	687.8	692.0	691.4	695.6	697.2	698.6	700.7	703.4	704.8	708.0
7.5°	658.4	662.5	666.1	668.2	670.8	676.0	677.5	682.2	686.2	690.3	693.5
10°	632.0	637.8	641.9	643.5	649.1	651.7	657.4	661.1	666.1	671.3	676.0
12.5°	609.9	615.1	617.1	622.3	627.5	632.6	635.2	641.9	647.0	653.8	660.0
15°	593.4	598.5	602.8	606.3	611.5	616.6	620.8	627.5	633.7	640.3	646.0
17.5°	583.1	586.1	591.4	594.4	600.7	606.9	611.5	619.2	625.8	631.6	639.3
20°	575.4	579.0	583.6	588.2	593.9	601.7	605.7	614.0	621.3	627.9	635.2
22.5°	571.2	574.8	579.5	584.1	590.3	596.5	603.2	610.4	618.1	625.4	632.6
25°	569.6	572.8	576.9	581.6	588.2	594.9	600.7	608.9	615.6	623.3	632.0
27.5°	570.2	572.2	576.9	581.0	587.7	593.9	599.6	607.8	615.6	622.9	631.6
30°	572.2	573.7	578.4	582.0	587.7	593.9	599.1	607.8	614.5	622.3	631.6
32.5°	579.5	581.6	583.6	586.1	591.4	595.9	602.1	609.9	616.1	623.9	631.6
35°	596.5	594.9	596.5	597.6	601.1	605.7	610.4	617.1	622.9	629.5	637.8
37.5°	623.3	620.2	621.3	620.8	620.8	623.9	628.5	633.1	637.8	644.4	652.7
40°	672.9	665.1	663.1	657.4	655.9	658.4	661.5	662.1	667.7	676.4	680.1
42.5°	736.8	726.5	728.1	718.7	716.2	713.2	717.3	714.6	718.3	723.9	731.7
45°	838.0	828.1	817.9	802.8	806.0	794.6	791.6	792.6	792.0	794.1	803.4
47.5°	958.7	945.8	939.1	933.4	922.6	915.9	907.1	894.3	897.2	901.4	909.7
50°	1135.2	1131.1	1118.2	1099.5	1097.0	1087.2	1084.6	1073.3	1069.2	1068.6	1068.2
52.5°	1371.0	1344.1	1339.0	1321.5	1308.0	1298.8	1295.6	1279.6	1263.6	1273.0	1271.9
55°	1658.5	1636.3	1607.9	1592.3	1581.6	1559.4	1553.7	1533.6	1524.2	1519.0	1506.2
57.5°	2141.4	2063.5	2005.2	1976.2	1935.5	1894.3	1879.7	1838.5	1806.5	1783.8	1785.3
60°	2983.5	2844.8	2681.1	2607.8	2438.1	2413.3	2296.7	2268.3	2198.2	2151.7	2124.9
62.5°	3721.4	3683.7	3605.3	3498.4	3328.2	3132.1	3043.9	2868.4	2731.2	2671.3	2588.3
65°	4073.7	4126.9	4148.6	4128.5	4060.4	3940.7	3835.4	3664.1	3434.0	3304.0	3142.5
66°	4055.7	4134.7	4174.4	4195.1	4170.3	4099.5	3989.1	3848.2	3670.3	3472.1	3291.0
67.5°	3923.7	4000.5	4055.7	4118.7	4118.7	4096.5	4051.5	3957.8	3831.8	3659.0	3496.3
70°	3383.8	3488.1	3585.7	3604.8	3658.3	3641.9	3677.5	3617.7	3587.7	3515.4	3428.3
72.5°	2636.3	2723.4	2807.0	2890.6	2876.6	2858.6	2855.0	2867.4	2806.5	2828.1	2805.5
75°	1753.3	1903.5	1989.2	1980.9	1986.6	1991.3	1953.1	1867.8	1933.9	1850.4	1878.3
77.5°	1065.5	1135.2	1158.5	1132.7	1099.1	1055.7	986.1	945.3	887.0	891.7	852.9
80°	558.8	567.5	549.0	496.9	468.6	442.8	363.3	327.6	294.6	282.2	254.4
82.5°	320.4	299.2	276.6	259.0	225.5	202.7	171.8	152.3	131.1	112.5	105.8
85°	259.5	231.1	210.0	190.4	167.7	147.6	121.8	101.7	86.1	74.8	72.2
87.5°	214.2	194.6	172.8	154.3	132.1	111.5	86.1	67.0	53.2	42.8	39.7
90°	19.1	25.8	18.5	10.3	15.5	8.3	4.6	5.2	4.1	4.1	4.6
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: P271642

CATALOG NUMBER: IST-AF-600-LED-E1-SL2-7027

CANDELA DISTRIBUTION (continued):

	64°	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P271642

CATALOG NUMBER: IST-AF-600-LED-E1-SL2-7027

CANDELA DISTRIBUTION (continued):

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9
2.5°	718.3	718.3	719.4	720.4	720.8	720.8	720.8	721.9	722.3	720.8	722.3
5°	709.5	712.1	714.2	715.7	716.2	717.7	719.4	720.4	721.9	721.9	722.9
7.5°	697.6	702.3	704.8	707.4	710.0	712.5	715.7	717.7	718.7	720.8	722.3
10°	682.6	688.3	693.5	697.6	701.3	706.3	710.5	713.6	718.3	718.7	722.3
12.5°	666.6	675.0	679.1	686.8	692.0	699.7	703.8	708.4	713.6	716.2	720.4
15°	655.3	662.5	670.2	677.5	685.8	695.1	700.2	706.3	713.6	719.4	724.4
17.5°	646.5	656.3	665.1	674.4	684.7	694.5	702.3	709.0	718.3	721.4	726.5
20°	643.9	654.9	663.6	673.4	684.1	697.2	706.3	713.6	722.9	728.1	732.7
22.5°	643.0	653.2	663.6	675.4	687.3	700.7	710.5	719.8	729.2	733.7	737.4
25°	641.9	652.7	664.0	677.5	690.3	704.3	715.7	724.4	733.3	737.9	740.9
27.5°	641.9	653.2	665.6	679.1	693.0	708.4	719.4	727.5	735.4	739.5	740.5
30°	641.4	653.2	665.1	680.1	695.1	711.1	722.9	730.6	737.4	739.9	738.9
32.5°	642.4	654.9	667.7	682.6	698.2	713.6	726.0	734.7	738.4	737.9	737.4
35°	647.6	659.0	673.9	688.8	704.8	719.4	731.2	737.4	740.5	739.5	736.8
37.5°	661.5	672.9	687.8	704.3	716.7	733.3	744.1	748.6	749.3	746.1	739.9
40°	690.3	701.8	715.2	733.3	748.2	759.6	769.8	775.0	771.9	766.3	759.6
42.5°	736.3	750.7	766.7	781.3	798.8	814.2	816.8	820.0	814.8	803.9	795.7
45°	810.1	818.9	839.6	850.3	873.1	880.8	886.4	888.1	876.7	867.9	853.5
47.5°	916.5	933.4	947.9	958.2	974.8	985.0	996.4	991.2	982.5	967.5	948.4
50°	1083.5	1094.5	1113.0	1131.5	1149.1	1156.4	1156.4	1151.2	1145.5	1116.6	1093.3
52.5°	1289.0	1290.0	1316.8	1339.0	1353.9	1343.1	1356.0	1343.1	1339.6	1319.4	1300.3
55°	1526.8	1517.0	1549.6	1569.1	1582.5	1595.5	1592.9	1591.3	1578.0	1555.2	1532.0
57.5°	1752.9	1781.2	1796.7	1825.5	1832.4	1841.1	1837.4	1832.4	1824.5	1811.6	1801.3
60°	2078.9	2098.0	2111.9	2117.7	2136.7	2139.3	2152.2	2131.0	2136.2	2121.3	2088.8
62.5°	2522.7	2502.0	2512.9	2512.9	2507.2	2487.0	2498.0	2506.2	2492.3	2480.0	2474.7
65°	3019.7	2953.1	2889.1	2878.2	2848.9	2842.1	2833.8	2813.2	2804.4	2782.8	2765.3
66°	3168.2	3064.9	3004.7	2967.6	2931.9	2924.2	2912.8	2891.1	2873.6	2843.1	2813.7
67.5°	3334.9	3201.8	3110.9	3058.3	3014.4	2985.6	2962.8	2931.9	2904.0	2858.6	2811.7
70°	3324.1	3214.1	3104.7	3024.8	2958.7	2899.4	2864.2	2797.7	2741.0	2675.9	2622.3
72.5°	2793.1	2773.4	2710.0	2665.1	2584.2	2552.6	2459.8	2417.4	2339.0	2254.8	2229.1
75°	1941.7	1864.8	1832.4	1814.3	1778.6	1680.5	1616.6	1630.5	1538.7	1456.6	1409.7
77.5°	848.8	864.3	774.5	734.3	703.4	650.1	600.7	566.7	547.0	534.0	475.7
80°	234.7	204.8	202.3	187.8	184.7	164.6	167.2	152.7	142.9	140.9	136.3
82.5°	102.7	100.6	97.6	96.0	94.4	92.3	89.8	89.3	86.1	83.6	84.1
85°	68.1	67.6	66.0	64.5	61.9	58.3	55.8	53.7	54.2	51.7	51.0
87.5°	39.7	38.6	38.2	36.1	35.7	32.5	33.0	30.5	29.9	29.5	27.8
90°	5.7	6.2	7.7	7.3	5.2	9.8	8.3	7.3	7.7	6.2	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: P271642
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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°



NUMBER: P271642
 NUMBER: IST-AF-600-LED-E1-SL2-7027

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	110°	86°
722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	110°	0.0
723.9	725.0	725.5	725.0	726.0	725.5	726.0	725.5	722.9	722.3	721.9	112.5°	0.0
725.0	727.1	727.5	728.1	727.1	728.1	726.0	717.7	708.4	698.2	689.9	115°	0.0
726.0	728.5	730.1	730.1	730.6	729.6	721.9	703.8	682.2	660.4	643.9	117.5°	0.0
725.5	729.2	730.6	731.2	731.2	729.2	710.5	681.6	648.6	615.6	582.0	120°	0.0
723.9	727.1	729.6	729.6	730.1	722.9	694.0	652.7	605.7	556.2	511.3	122.5°	0.0
727.1	730.1	730.1	730.1	729.6	717.3	676.4	616.6	553.6	486.6	420.0	125°	0.0
731.7	733.3	732.2	732.2	730.1	711.5	656.9	581.0	498.5	409.6	316.8	127.5°	0.0
735.8	736.8	736.3	733.7	731.2	705.3	636.8	543.4	432.4	316.8	224.5	130°	0.0
739.9	740.9	738.4	734.3	730.6	697.2	612.5	495.3	357.5	216.7	148.6	132.5°	0.0
740.5	741.6	736.8	731.2	726.0	684.7	583.1	444.3	275.5	140.3	116.2	135°	0.0
739.9	738.9	731.2	723.9	718.3	669.8	550.6	380.8	183.7	105.8	101.1	137.5°	0.0
736.3	731.7	725.5	717.3	709.0	653.2	518.1	310.2	116.2	91.9	91.9	140°	0.0
731.2	726.5	718.7	708.0	698.6	637.3	481.0	237.9	92.9	84.6	85.7	142.5°	0.0
729.2	723.9	712.5	701.3	689.4	622.9	441.7	160.0	83.6	79.9	80.5	145°	0.0
733.3	724.4	713.2	700.2	686.2	610.4	400.9	111.5	78.9	74.8	75.9	147.5°	0.0
747.2	738.9	725.5	709.0	694.0	603.2	357.5	92.3	74.3	70.7	70.7	150°	0.0
780.6	769.8	751.8	732.2	714.2	607.8	318.9	84.1	70.7	67.0	67.0	152.5°	0.0
834.9	821.9	800.7	778.7	754.8	630.5	275.0	80.9	68.1	62.9	61.9	155°	0.0
927.8	910.7	882.9	856.5	828.1	669.8	230.7	78.9	64.9	60.4	58.3	157.5°	0.0
1073.7	1048.5	1015.4	980.9	946.4	741.6	195.7	76.9	62.9	58.3	56.2	160°	0.0
1261.6	1244.6	1203.3	1157.8	1116.6	884.4	175.3	75.4	61.4	55.8	54.2	162.5°	0.0
1501.0	1473.2	1440.6	1399.9	1350.9	1069.6	173.4	74.8	59.8	53.7	52.6	165°	0.0
1753.9	1743.0	1687.8	1662.5	1609.4	1316.3	211.0	75.9	58.7	52.1	50.6	167.5°	0.0
2042.3	2046.4	1994.9	1967.0	1923.1	1629.0	336.0	78.9	58.7	50.6	49.0	170°	0.0
2419.5	2426.2	2365.2	2332.3	2295.1	1979.3	527.8	84.1	60.4	49.0	47.5	172.5°	0.0
2728.6	2692.5	2653.2	2595.5	2548.5	2175.0	508.2	93.4	62.4	47.5	45.9	175°	0.0
2760.6	2734.8	2685.2	2622.8	2565.5	2176.0	443.8	96.5	62.9	46.9	45.5	177.5°	0.0
2756.4	2710.5	2654.3	2601.6	2545.3	2120.2	343.2	100.6	64.5	45.9	44.4	180°	0.0
2565.5	2501.0	2446.4	2373.6	2314.8	1897.3	211.0	100.1	62.4	42.8	41.8		
2115.6	2082.5	2017.5	1959.2	1897.8	1535.7	144.4	89.3	55.2	38.6	39.3		
1368.4	1330.7	1264.7	1231.7	1197.1	982.5	112.5	72.8	46.9	34.6	36.1		
456.7	441.7	417.4	430.8	410.7	382.9	82.6	55.2	37.7	29.9	32.0		
136.7	133.7	138.2	130.1	137.8	116.6	54.2	38.6	28.8	25.8	28.4		
80.9	79.9	79.9	79.9	78.0	72.8	35.7	26.8	22.2	21.6	23.7		
49.6	48.5	49.0	48.5	49.6	44.4	24.3	18.5	16.5	16.0	19.1		
28.4	28.4	28.8	27.8	28.4	27.4	17.0	11.9	10.8	10.3	13.9		
6.6	6.6	5.2	4.6	5.2	7.3	4.6	3.6	3.1	2.5	4.6		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'271642
 IST-AF-600-LED-E1-SL2-7027

REPORT NUMBER: P271642
 CATALOG NUMBER: IST-AF-600

TION (continued):

CANDELA DISTRIBUTION (con

87°	88°	89°	90°	95°	105°	115°	125°	135°	145°		155°	165°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	722.9	722.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	717.7	714.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	677.1	667.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	618.1	606.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	551.1	534.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	465.4	431.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	366.4	321.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	252.3	216.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	177.0	163.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	136.7	137.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	113.5	118.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	100.1	105.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	91.9	96.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	86.1	88.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	79.5	80.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	73.8	73.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	68.6	68.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	64.0	63.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	59.4	59.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	56.8	57.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	54.2	54.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	52.1	52.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	50.0	49.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	48.5	47.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	46.9	45.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	45.9	44.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	44.8	43.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66°	44.4	43.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	43.8	42.8
										70°	41.8	40.7
										72.5°	38.6	38.2
										75°	35.7	34.6
										77.5°	31.5	30.9
										80°	26.8	26.3
										82.5°	22.6	21.6
										85°	18.1	17.0
										87.5°	12.4	11.4
										90°	3.1	3.6
										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: P271642

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

0-LED-E1-SL2-7027

tinued):

175°	180°
722.9	722.9
711.1	715.7
664.0	662.5
597.6	598.0
517.1	518.1
412.8	406.7
295.6	298.2
205.9	205.4
165.1	166.2
141.4	141.4
125.9	125.9
110.9	111.5
100.6	101.7
91.4	91.9
82.0	82.6
74.3	74.3
69.1	69.7
65.6	65.6
61.9	61.9
58.7	59.8
55.8	56.2
52.6	53.2
49.6	49.6
46.9	46.9
44.8	44.4
43.4	42.3
41.8	41.3
41.3	40.7
40.7	40.2
39.7	39.3
38.2	37.7
35.0	34.0
32.0	30.9
29.5	27.8
24.7	23.7
18.1	17.0
10.8	10.8
2.5	2.5
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

CANDELA DISTRIBUTION (continued):

	155°	165°	175°
110°	0.0	0.0	0.0
112.5°	0.0	0.0	0.0
115°	0.0	0.0	0.0
117.5°	0.0	0.0	0.0
120°	0.0	0.0	0.0
122.5°	0.0	0.0	0.0
125°	0.0	0.0	0.0
127.5°	0.0	0.0	0.0
130°	0.0	0.0	0.0
132.5°	0.0	0.0	0.0
135°	0.0	0.0	0.0
137.5°	0.0	0.0	0.0
140°	0.0	0.0	0.0
142.5°	0.0	0.0	0.0
145°	0.0	0.0	0.0
147.5°	0.0	0.0	0.0
150°	0.0	0.0	0.0
152.5°	0.0	0.0	0.0
155°	0.0	0.0	0.0
157.5°	0.0	0.0	0.0
160°	0.0	0.0	0.0
162.5°	0.0	0.0	0.0
165°	0.0	0.0	0.0
167.5°	0.0	0.0	0.0
170°	0.0	0.0	0.0
172.5°	0.0	0.0	0.0
175°	0.0	0.0	0.0
177.5°	0.0	0.0	0.0
180°	0.0	0.0	0.0



IL2-7027

<u>180°</u>
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(END OF REPORT)