

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: P226855

Luminaire Tested: **IST-AF-600-LED-E1-SL2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226855
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-SL2-7030
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II W/SPILL CONTROL
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3499.2 lumens
Efficiency: N/A
Efficacy: 103.8 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

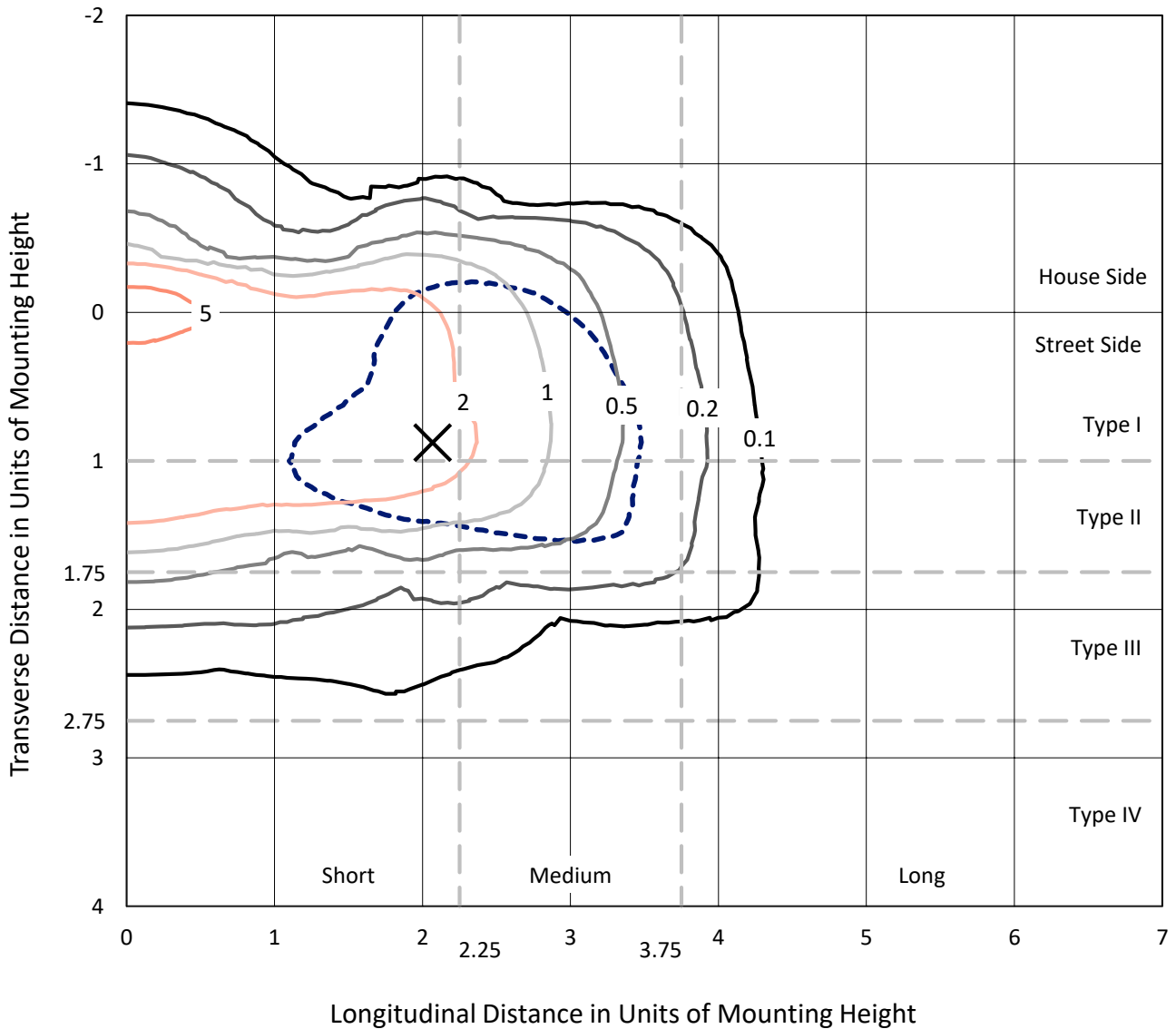
Input Watts (W): 33.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

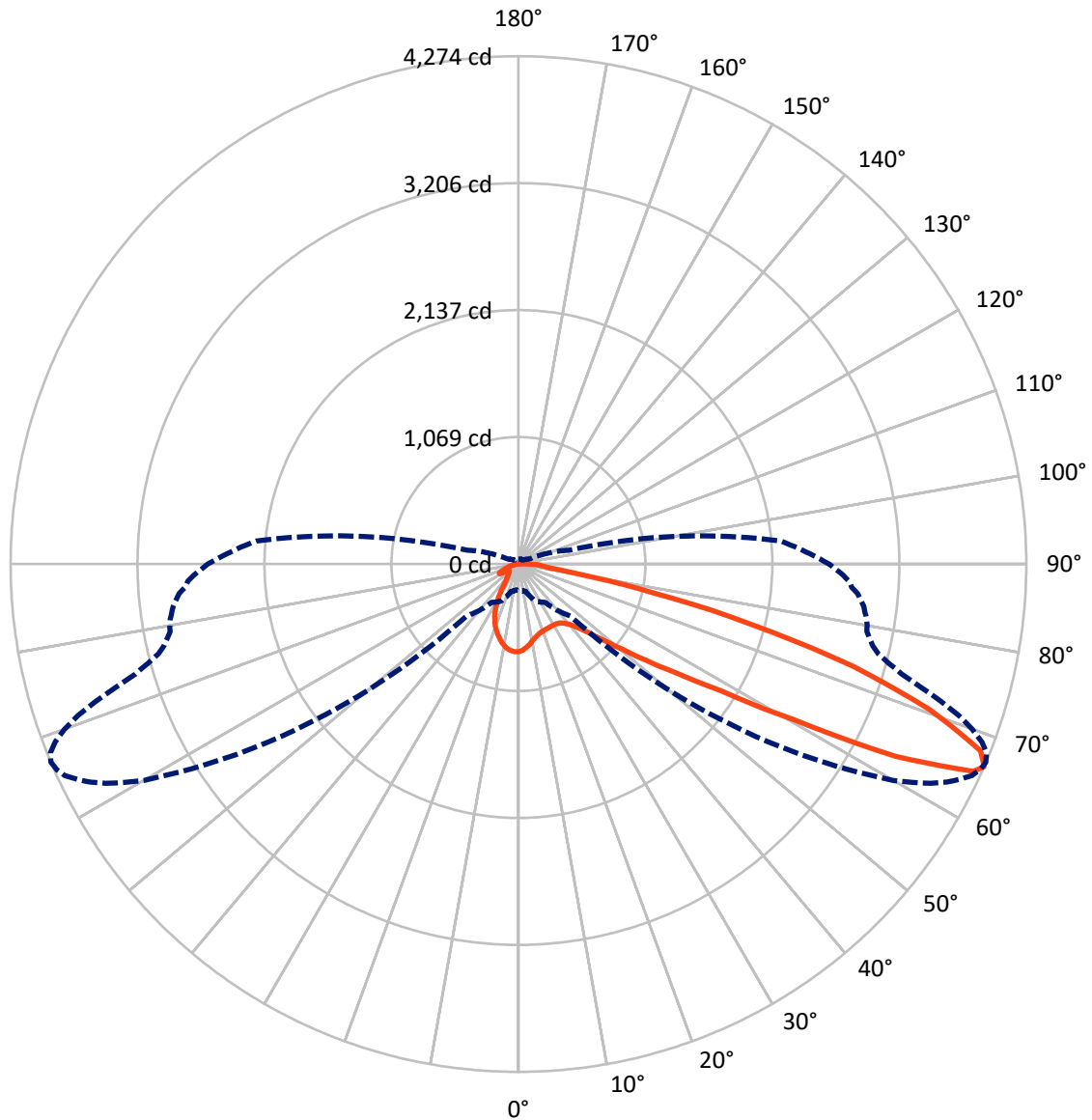
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 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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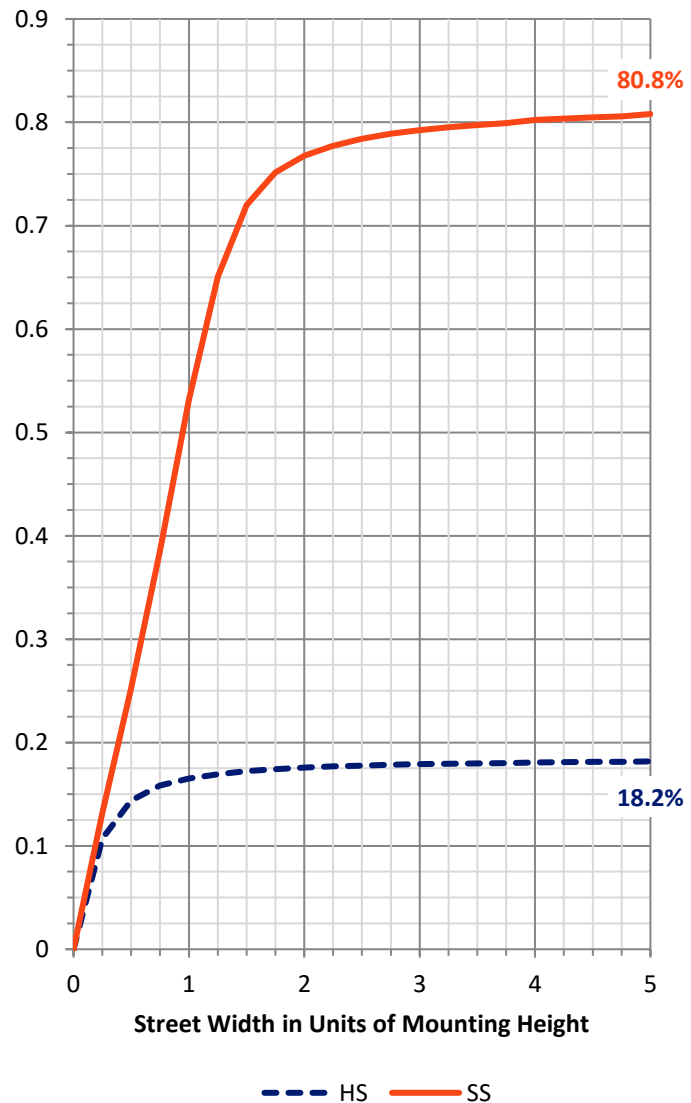
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	646.1	0.3	646.4
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	2851.9	1.0	2852.9
	% Fixture	81.5	0.0	81.5
Total	Lumens	3498.0	1.3	3499.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.9	1.8
10°-20°	152.0	4.3
20°-30°	208.5	6.0
30°-40°	297.8	8.5
40°-50°	482.9	13.8
50°-60°	765.1	21.9
60°-70°	969.5	27.7
70°-80°	482.0	13.8
80°-90°	76.3	2.2
90°-100°	1.3	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°	3498.0	100.0
0°-180°	3499.2	100.0



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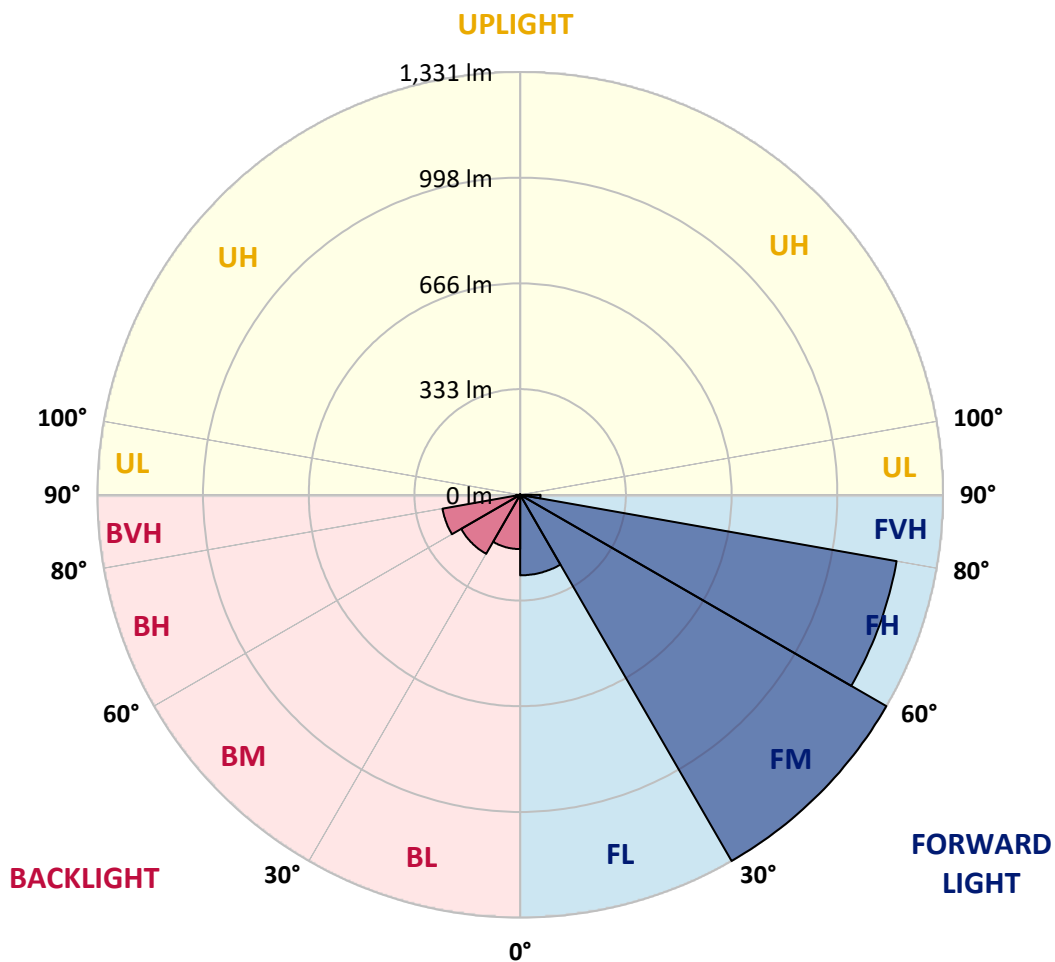
CATALOG NUMBER: IST-AF-600-LED-E1-SL2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	253.5	7.2			
FM	(30°-60°)	1331.1	38.0			
FH	(60°-80°)	1203.2	34.4			G1/1800
FVH	(80°-90°)	64.0	1.8			G1/100
BL	(0°-30°)	170.8	4.9	B1/500		
BM	(30°-60°)	214.6	6.1	B0/220		
BH	(60°-80°)	248.3	7.1	B1/500		G1/500
BVH	(80°-90°)	12.3	0.4			G1/100
UL	(90°-100°)	1.3	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°	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5
2.5°	684.5	686.1	695.0	699.7	706.6	708.7	716.6	719.7	722.4	721.8	721.8
5°	623.0	627.7	631.9	641.4	651.4	663.5	678.7	690.3	692.4	695.0	696.6
7.5°	576.2	579.4	586.7	593.5	606.2	623.0	644.5	659.3	662.4	663.5	667.2
10°	543.1	545.2	551.5	560.4	575.1	591.4	614.1	629.3	634.0	636.1	639.3
12.5°	517.3	520.5	526.3	535.7	551.5	568.3	592.0	607.2	610.4	613.0	617.7
15°	501.0	503.1	508.4	518.9	533.1	549.9	573.0	591.4	593.5	596.2	600.4
17.5°	497.9	499.4	502.6	510.5	521.5	537.8	561.5	576.7	580.4	584.1	588.3
20°	510.5	511.5	512.6	513.6	519.9	530.5	553.6	569.9	573.0	576.2	581.5
22.5°	537.8	539.4	536.8	533.1	528.4	530.5	549.9	566.7	568.8	572.0	576.2
25°	585.1	583.6	575.7	569.9	553.1	539.4	551.0	565.2	567.8	570.9	575.7
27.5°	640.9	638.8	634.0	618.3	590.4	562.5	557.3	567.8	569.4	572.0	576.2
30°	700.8	701.3	697.1	679.8	644.0	597.2	571.5	574.1	575.1	577.3	579.9
32.5°	754.9	762.8	762.3	761.3	710.3	644.0	598.8	588.3	586.7	588.3	589.3
35°	817.5	819.1	833.8	841.2	799.6	712.4	638.8	615.6	609.3	609.8	608.8
37.5°	884.8	886.9	912.1	924.8	892.7	790.2	691.9	656.1	650.3	644.5	640.3
40°	982.6	991.0	1004.1	1018.3	1002.6	894.8	761.8	713.4	698.7	697.6	689.2
42.5°	1128.7	1126.1	1119.8	1131.4	1112.4	1012.0	846.4	794.4	783.3	768.6	757.1
45°	1272.3	1278.1	1250.7	1256.0	1257.0	1147.7	968.9	895.8	890.1	872.7	860.1
47.5°	1369.0	1362.7	1325.9	1352.7	1418.4	1305.9	1110.9	1034.1	1022.0	1013.1	1005.2
50°	1374.3	1369.0	1345.3	1392.7	1533.0	1587.2	1308.5	1219.2	1201.8	1186.0	1181.3
52.5°	1246.0	1238.6	1246.5	1342.7	1574.6	1822.7	1587.7	1448.9	1434.7	1421.6	1403.2
55°	1017.3	1025.7	1063.0	1201.3	1510.9	1989.9	2137.1	1803.8	1742.8	1742.3	1697.1
57.5°	759.7	751.3	779.1	909.0	1350.1	2049.3	2641.8	2559.3	2423.1	2331.1	2220.2
60°	512.6	514.7	540.5	607.2	939.5	1984.6	2979.8	3267.4	3219.6	3200.1	3170.2
62.5°	355.4	358.5	382.2	444.8	549.4	1596.6	3078.7	3664.3	3750.0	3821.0	3803.7
65°	248.7	249.2	272.9	369.6	411.6	820.1	2860.5	3716.9	3844.7	3966.6	4076.0
66°	219.2	219.8	239.2	343.8	394.8	618.8	2671.2	3643.8	3789.5	3931.4	4044.4
67.5°	187.7	190.8	206.1	292.3	378.5	477.4	2206.5	3425.7	3578.1	3734.3	3883.6
70°	128.8	129.9	143.5	237.1	354.3	419.0	1257.5	2674.4	2885.2	3159.6	3318.4
72.5°	92.0	91.0	92.5	146.7	363.8	416.4	660.8	1760.1	2055.1	2295.9	2467.8
75°	82.0	79.4	72.6	91.0	265.5	454.8	442.7	1036.2	1260.7	1479.9	1656.1
77.5°	73.1	68.9	65.2	69.9	131.4	428.5	397.5	593.5	708.2	871.7	1007.3
80°	55.7	53.1	55.2	60.5	78.9	394.3	394.8	394.8	425.8	479.5	533.1
82.5°	36.8	33.6	38.4	49.9	59.4	297.0	408.0	348.6	342.8	340.7	344.4
85°	23.1	20.0	26.8	37.3	45.7	155.1	418.5	368.0	341.2	315.4	289.7
87.5°	8.4	9.5	13.7	21.6	30.0	67.3	367.0	324.4	306.0	273.9	243.9
90°	2.1	1.6	2.6	6.3	6.8	12.6	56.3	89.9	53.6	26.8	21.6
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



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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°	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5
2.5°	722.4	725.0	726.0	725.0	725.5	728.7	727.6	729.2	729.2	730.2	730.2
5°	698.7	700.8	705.0	704.5	708.7	710.3	711.8	713.9	716.6	718.1	721.3
7.5°	670.8	675.0	678.7	680.8	683.4	688.7	690.3	695.0	699.2	703.4	706.6
10°	644.0	649.8	654.0	655.6	661.4	664.0	669.8	673.5	678.7	684.0	688.7
12.5°	621.4	626.7	628.8	634.0	639.3	644.5	647.2	654.0	659.3	666.1	672.4
15°	604.6	609.8	614.1	617.7	623.0	628.2	632.5	639.3	645.6	652.4	658.2
17.5°	594.1	597.2	602.5	605.6	612.0	618.3	623.0	630.9	637.7	643.5	651.4
20°	586.2	589.9	594.6	599.3	605.1	613.0	617.2	625.6	633.0	639.8	647.2
22.5°	582.0	585.7	590.4	595.1	601.4	607.7	614.6	621.9	629.8	637.2	644.5
25°	580.4	583.6	587.8	592.5	599.3	606.2	612.0	620.4	627.2	635.1	644.0
27.5°	580.9	583.0	587.8	592.0	598.8	605.1	610.9	619.3	627.2	634.6	643.5
30°	583.0	584.6	589.3	593.0	598.8	605.1	610.4	619.3	626.1	634.0	643.5
32.5°	590.4	592.5	594.6	597.2	602.5	607.2	613.5	621.4	627.7	635.6	643.5
35°	607.7	606.2	607.7	608.8	612.5	617.2	621.9	628.8	634.6	641.4	649.8
37.5°	635.1	631.9	633.0	632.5	632.5	635.6	640.3	645.1	649.8	656.6	665.0
40°	685.6	677.7	675.6	669.8	668.2	670.8	674.0	674.5	680.3	689.2	692.9
42.5°	750.7	740.2	741.8	732.3	729.7	726.6	730.8	728.1	731.8	737.6	745.5
45°	853.8	843.8	833.3	818.0	821.2	809.6	806.5	807.5	807.0	809.1	818.6
47.5°	976.8	963.7	956.8	951.0	940.0	933.2	924.2	911.1	914.2	918.5	926.9
50°	1156.6	1152.4	1139.3	1120.3	1117.7	1107.7	1105.1	1093.5	1089.3	1088.8	1088.3
52.5°	1396.9	1369.5	1364.3	1346.4	1332.7	1323.3	1320.1	1303.8	1287.5	1297.0	1295.9
55°	1689.7	1667.1	1638.2	1622.4	1611.4	1588.8	1583.0	1562.5	1553.0	1547.7	1534.6
57.5°	2181.8	2102.4	2043.0	2013.5	1972.0	1930.0	1915.2	1873.2	1840.6	1817.4	1819.0
60°	3039.8	2898.4	2731.7	2657.0	2484.1	2458.8	2340.0	2311.1	2239.6	2192.3	2165.0
62.5°	3791.6	3753.2	3673.3	3564.5	3391.0	3191.2	3101.3	2922.5	2782.7	2721.7	2637.1
65°	4150.6	4204.8	4226.9	4206.4	4137.0	4015.0	3907.8	3733.2	3498.7	3366.3	3201.7
66°	4132.2	4212.7	4253.2	4274.2	4249.0	4176.9	4064.4	3920.9	3739.5	3537.6	3353.1
67.5°	3997.7	4076.0	4132.2	4196.4	4196.4	4173.8	4128.0	4032.4	3904.1	3728.0	3562.3
70°	3447.7	3553.9	3653.3	3672.8	3727.4	3710.6	3746.9	3685.9	3655.4	3581.8	3493.0
72.5°	2686.0	2774.8	2860.0	2945.1	2930.9	2912.5	2908.9	2921.5	2859.4	2881.5	2858.4
75°	1786.4	1939.4	2026.7	2018.3	2024.1	2028.8	1989.9	1903.1	1970.4	1885.3	1913.7
77.5°	1085.6	1156.6	1180.3	1154.0	1119.8	1075.6	1004.7	963.1	903.7	908.5	869.0
80°	569.4	578.3	559.4	506.3	477.4	451.1	370.1	333.8	300.2	287.6	259.2
82.5°	326.5	304.9	281.8	263.9	229.7	206.6	175.1	155.1	133.5	114.6	107.8
85°	264.4	235.5	214.0	194.0	170.9	150.4	124.1	103.6	87.8	76.2	73.6
87.5°	218.2	198.2	176.1	157.2	134.6	113.6	87.8	68.3	54.2	43.6	40.5
90°	19.5	26.3	18.9	10.5	15.8	8.4	4.7	5.3	4.2	4.2	4.7
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P226855

CATALOG NUMBER: IST-AF-600-LED-E1-SL2-7030

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: P226855
 CATALOG NUMBER: IST-AF-600-LED-E1-SL2-7030

CANDELA DISTRIBUTION (continued):

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5
2.5°	731.8	731.8	732.9	733.9	734.4	734.4	734.4	735.5	736.0	734.4	736.0
5°	722.9	725.5	727.6	729.2	729.7	731.3	732.9	733.9	735.5	735.5	736.5
7.5°	710.8	715.5	718.1	720.8	723.4	726.0	729.2	731.3	732.3	734.4	736.0
10°	695.5	701.3	706.6	710.8	714.5	719.7	723.9	727.1	731.8	732.3	736.0
12.5°	679.2	687.7	691.9	699.7	705.0	712.9	717.1	721.8	727.1	729.7	733.9
15°	667.7	675.0	682.9	690.3	698.7	708.2	713.4	719.7	727.1	732.9	738.1
17.5°	658.7	668.7	677.7	687.1	697.6	707.6	715.5	722.4	731.8	735.0	740.2
20°	656.1	667.2	676.1	686.1	697.1	710.3	719.7	727.1	736.5	741.8	746.5
22.5°	655.1	665.6	676.1	688.2	700.3	713.9	723.9	733.4	742.9	747.6	751.3
25°	654.0	665.0	676.6	690.3	703.4	717.6	729.2	738.1	747.1	751.8	754.9
27.5°	654.0	665.6	678.2	691.9	706.1	721.8	732.9	741.3	749.2	753.4	754.4
30°	653.5	665.6	677.7	692.9	708.2	724.5	736.5	744.4	751.3	753.9	752.8
32.5°	654.5	667.2	680.3	695.5	711.3	727.1	739.7	748.6	752.3	751.8	751.3
35°	659.8	671.4	686.6	701.8	718.1	732.9	745.0	751.3	754.4	753.4	750.7
37.5°	674.0	685.6	700.8	717.6	730.2	747.1	758.1	762.8	763.4	760.2	753.9
40°	703.4	715.0	728.7	747.1	762.3	773.9	784.4	789.6	786.5	780.7	773.9
42.5°	750.2	764.9	781.2	796.0	813.8	829.6	832.2	835.4	830.1	819.1	810.7
45°	825.4	834.3	855.4	866.4	889.5	897.4	903.2	904.8	893.2	884.3	869.6
47.5°	933.7	951.0	965.8	976.3	993.1	1003.6	1015.2	1009.9	1001.0	985.7	966.3
50°	1104.0	1115.1	1134.0	1152.9	1170.8	1178.2	1178.2	1172.9	1167.1	1137.7	1114.0
52.5°	1313.3	1314.3	1341.7	1364.3	1379.5	1368.5	1381.6	1368.5	1364.8	1344.3	1324.8
55°	1555.6	1545.6	1578.8	1598.7	1612.4	1625.6	1622.9	1621.4	1607.7	1584.6	1560.9
57.5°	1785.9	1814.8	1830.6	1860.0	1866.9	1875.8	1872.1	1866.9	1859.0	1845.8	1835.3
60°	2118.2	2137.6	2151.8	2157.6	2177.0	2179.7	2192.8	2171.3	2176.5	2161.3	2128.2
62.5°	2570.3	2549.3	2560.3	2560.3	2554.5	2534.0	2545.1	2553.5	2539.3	2526.7	2521.4
65°	3076.6	3008.8	2943.6	2932.5	2902.6	2895.7	2887.3	2866.3	2857.3	2835.3	2817.4
66°	3228.0	3122.8	3061.3	3023.5	2987.2	2979.3	2967.7	2945.7	2927.8	2896.8	2866.8
67.5°	3397.8	3262.2	3169.6	3116.0	3071.3	3041.9	3018.7	2987.2	2958.8	2912.5	2864.7
70°	3386.8	3274.8	3163.3	3081.8	3014.5	2954.1	2918.3	2850.5	2792.7	2726.4	2671.8
72.5°	2845.8	2825.8	2761.1	2715.4	2632.9	2600.8	2506.2	2463.0	2383.1	2297.4	2271.2
75°	1978.3	1900.0	1866.9	1848.5	1812.2	1712.3	1647.1	1661.3	1567.7	1484.1	1436.3
77.5°	864.8	880.6	789.1	748.1	716.6	662.4	612.0	577.3	557.3	544.1	484.7
80°	239.2	208.7	206.1	191.4	188.2	167.7	170.3	155.6	145.6	143.5	138.8
82.5°	104.6	102.5	99.4	97.8	96.2	94.1	91.5	91.0	87.8	85.2	85.7
85°	69.4	68.9	67.3	65.7	63.1	59.4	56.8	54.7	55.2	52.6	52.0
87.5°	40.5	39.4	38.9	36.8	36.3	33.1	33.6	31.0	30.5	30.0	28.4
90°	5.8	6.3	7.9	7.4	5.3	10.0	8.4	7.4	7.9	6.3	6.3
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: P226855
 CATALOG NUMBER: IST-AF-600-LED-E1-SL2-7030

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: P226855
 NUMBER: IST-AF-600-LED-E1-SL2-7030

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	110°	86°
736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5	110°	0.0
737.6	738.7	739.2	738.7	739.7	739.2	739.7	739.2	736.5	736.0	735.5	112.5°	0.0
738.7	740.8	741.3	741.8	740.8	741.8	739.7	731.3	721.8	711.3	702.9	115°	0.0
739.7	742.3	743.9	743.9	744.4	743.4	735.5	717.1	695.0	672.9	656.1	117.5°	0.0
739.2	742.9	744.4	745.0	745.0	742.9	723.9	694.5	660.8	627.2	593.0	120°	0.0
737.6	740.8	743.4	743.4	743.9	736.5	707.1	665.0	617.2	566.7	521.0	122.5°	0.0
740.8	743.9	743.9	743.9	743.4	730.8	689.2	628.2	564.1	495.8	427.9	125°	0.0
745.5	747.1	746.0	746.0	743.9	725.0	669.3	592.0	507.9	417.4	322.8	127.5°	0.0
749.7	750.7	750.2	747.6	745.0	718.7	648.8	553.6	440.6	322.8	228.7	130°	0.0
753.9	754.9	752.3	748.1	744.4	710.3	624.0	504.7	364.3	220.8	151.4	132.5°	0.0
754.4	755.5	750.7	745.0	739.7	697.6	594.1	452.7	280.7	143.0	118.3	135°	0.0
753.9	752.8	745.0	737.6	731.8	682.4	561.0	388.0	187.2	107.8	103.0	137.5°	0.0
750.2	745.5	739.2	730.8	722.4	665.6	527.8	316.0	118.3	93.6	93.6	140°	0.0
745.0	740.2	732.3	721.3	711.8	649.3	490.0	242.4	94.6	86.2	87.3	142.5°	0.0
742.9	737.6	726.0	714.5	702.4	634.6	450.0	163.0	85.2	81.5	82.0	145°	0.0
747.1	738.1	726.6	713.4	699.2	621.9	408.5	113.6	80.4	76.2	77.3	147.5°	0.0
761.3	752.8	739.2	722.4	707.1	614.6	364.3	94.1	75.7	72.0	72.0	150°	0.0
795.4	784.4	766.0	746.0	727.6	619.3	324.9	85.7	72.0	68.3	68.3	152.5°	0.0
850.6	837.5	815.9	793.3	769.1	642.4	280.2	82.5	69.4	64.1	63.1	155°	0.0
945.3	927.9	899.5	872.7	843.8	682.4	235.0	80.4	66.2	61.5	59.4	157.5°	0.0
1094.0	1068.3	1034.6	999.4	964.2	755.5	199.3	78.3	64.1	59.4	57.3	160°	0.0
1285.4	1268.1	1226.0	1179.7	1137.7	901.1	178.7	76.8	62.6	56.8	55.2	162.5°	0.0
1529.3	1501.0	1467.8	1426.3	1376.4	1089.8	176.6	76.2	61.0	54.7	53.6	165°	0.0
1787.0	1775.9	1719.7	1693.9	1639.8	1341.1	215.0	77.3	59.9	53.1	51.5	167.5°	0.0
2080.8	2085.0	2032.5	2004.1	1959.4	1659.7	342.3	80.4	59.9	51.5	49.9	170°	0.0
2465.1	2472.0	2409.9	2376.3	2338.4	2016.7	537.8	85.7	61.5	49.9	48.4	172.5°	0.0
2780.1	2743.3	2703.3	2644.4	2596.6	2216.0	517.8	95.2	63.6	48.4	46.8	175°	0.0
2812.7	2786.4	2735.9	2672.3	2613.9	2217.0	452.1	98.3	64.1	47.8	46.3	177.5°	0.0
2808.5	2761.7	2704.4	2650.7	2593.4	2160.2	349.6	102.5	65.7	46.8	45.2	180°	0.0
2613.9	2548.2	2492.5	2418.4	2358.4	1933.1	215.0	102.0	63.6	43.6	42.6		
2155.5	2121.8	2055.6	1996.2	1933.6	1564.6	147.2	91.0	56.3	39.4	40.0		
1394.2	1355.9	1288.6	1254.9	1219.7	1001.0	114.6	74.1	47.8	35.2	36.8		
465.3	450.0	425.3	439.0	418.5	390.1	84.1	56.3	38.4	30.5	32.6		
139.3	136.2	140.9	132.5	140.4	118.8	55.2	39.4	29.4	26.3	28.9		
82.5	81.5	81.5	81.5	79.4	74.1	36.3	27.3	22.6	22.1	24.2		
50.5	49.4	49.9	49.4	50.5	45.2	24.7	18.9	16.8	16.3	19.5		
28.9	28.9	29.4	28.4	28.9	27.9	17.3	12.1	11.0	10.5	14.2		
6.8	6.8	5.3	4.7	5.3	7.4	4.7	3.7	3.2	2.6	4.7		
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		



'226855
 IST-AF-600-LED-E1-SL2-7030

REPORT NUMBER: P226855
 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°	736.5	736.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	731.3	727.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	689.8	679.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	629.8	618.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	561.5	544.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	474.2	440.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	373.3	327.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	257.1	220.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	180.3	166.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	139.3	139.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	115.7	120.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	102.0	107.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	93.6	98.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	87.8	89.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	81.0	82.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	75.2	75.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	69.9	69.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	65.2	64.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	60.5	61.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	57.8	58.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	55.2	55.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	53.1	53.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	51.0	50.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	49.4	48.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	47.8	46.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	46.8	45.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	45.7	44.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66°	45.2	44.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	44.7	43.6
										70°	42.6	41.5
										72.5°	39.4	38.9
										75°	36.3	35.2
										77.5°	32.1	31.5
										80°	27.3	26.8
										82.5°	23.1	22.1
										85°	18.4	17.3
										87.5°	12.6	11.6
										90°	3.2	3.7
										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: P226855

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

0-LED-E1-SL2-7030

tinued):

175°	180°
736.5	736.5
724.5	729.2
676.6	675.0
608.8	609.3
526.8	527.8
420.6	414.3
301.2	303.9
209.8	209.2
168.2	169.3
144.1	144.1
128.3	128.3
113.0	113.6
102.5	103.6
93.1	93.6
83.6	84.1
75.7	75.7
70.4	71.0
66.8	66.8
63.1	63.1
59.9	61.0
56.8	57.3
53.6	54.2
50.5	50.5
47.8	47.8
45.7	45.2
44.2	43.1
42.6	42.1
42.1	41.5
41.5	41.0
40.5	40.0
38.9	38.4
35.7	34.7
32.6	31.5
30.0	28.4
25.2	24.2
18.4	17.3
11.0	11.0
2.6	2.6
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

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

IL2-7030

180°
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