

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: P226563

Luminaire Tested: **IST-AF-600-LED-E1-T4FT-7050-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35943)-DOWNLIGHT AND
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-T4FT-7050-ULG
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV FORWARD THROW, WITH UPLIGHT GLOW
Light Source: (16) 5000K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5882.4 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U5 - G1

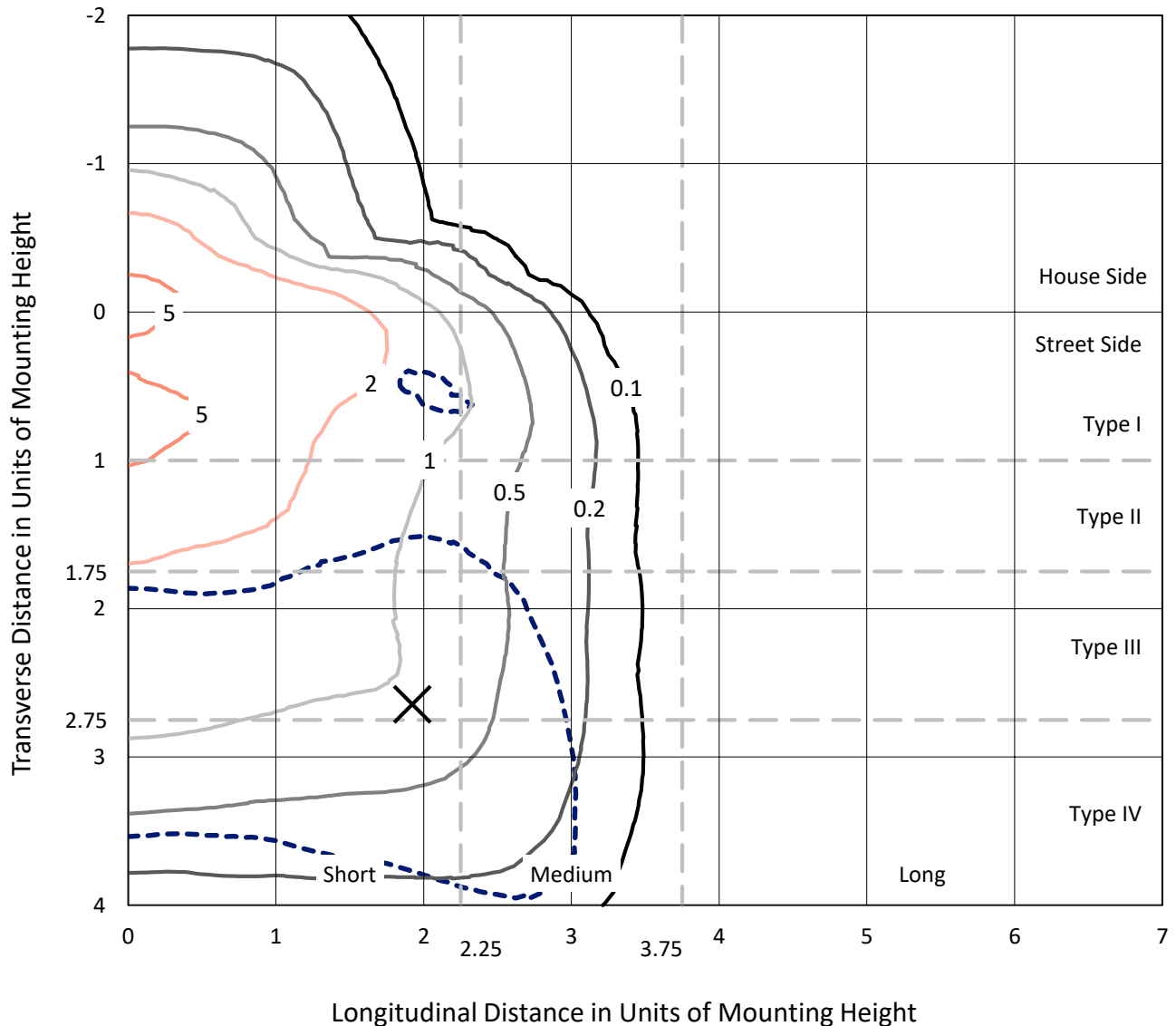
Input Watts (W): 50.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P226563
 CATALOG NUMBER: IST-AF-600-LED-E1-T4FT-7050-ULG

Iso-Footcandle Lines of Horizontal Illumination

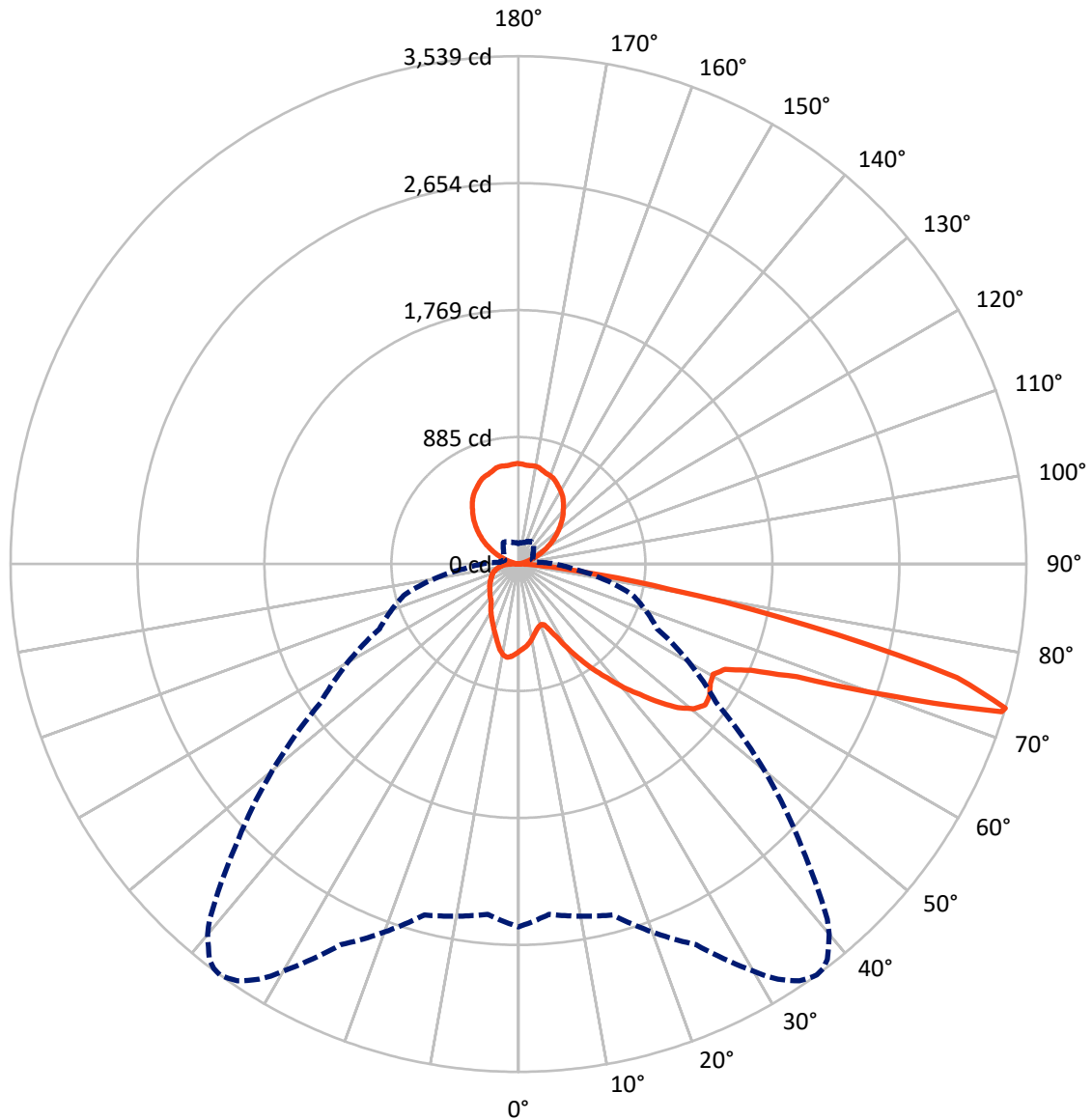
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P226563
CATALOG NUMBER: IST-AF-600-LED-E1-T4FT-7050-ULG

Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

REPORT NUMBER: P226563

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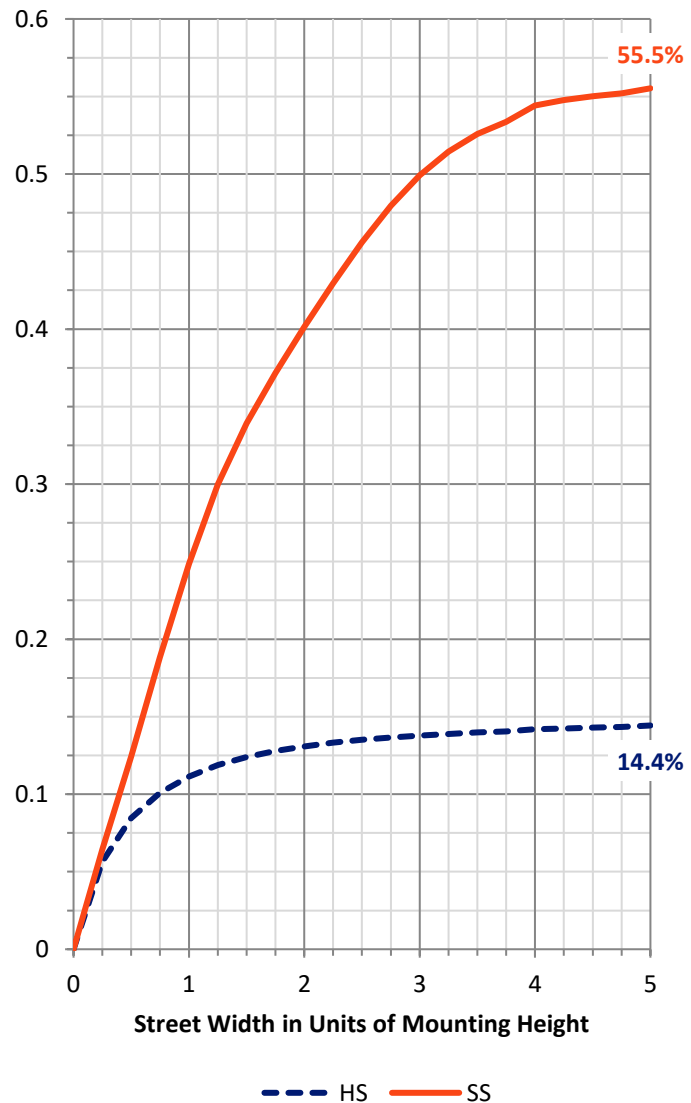
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	874.8	868.5	1743.3
	% Fixture	14.9	14.8	29.6
Street Side	Lumens	3271.2	867.9	4139.1
	% Fixture	55.6	14.8	70.4
Total	Lumens	4145.9	1736.4	5882.4
	% Fixture	70.5	29.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	1.0
10°-20°	151.9	2.6
20°-30°	248.9	4.2
30°-40°	412.4	7.0
40°-50°	606.1	10.3
50°-60°	764.2	13.0
60°-70°	1000.8	17.0
70°-80°	810.1	13.8
80°-90°	94.2	1.6
90°-100°	10.6	0.2
100°-110°	57.4	1.0
110°-120°	166.1	2.8
120°-130°	273.2	4.6
130°-140°	336.8	5.7
140°-150°	344.6	5.9
150°-160°	290.3	4.9
160°-170°	191.2	3.2
170°-180°	66.3	1.1
0°-90°	4145.9	70.5
0°-180°	5882.4	100.0



REPORT NUMBER: P226563

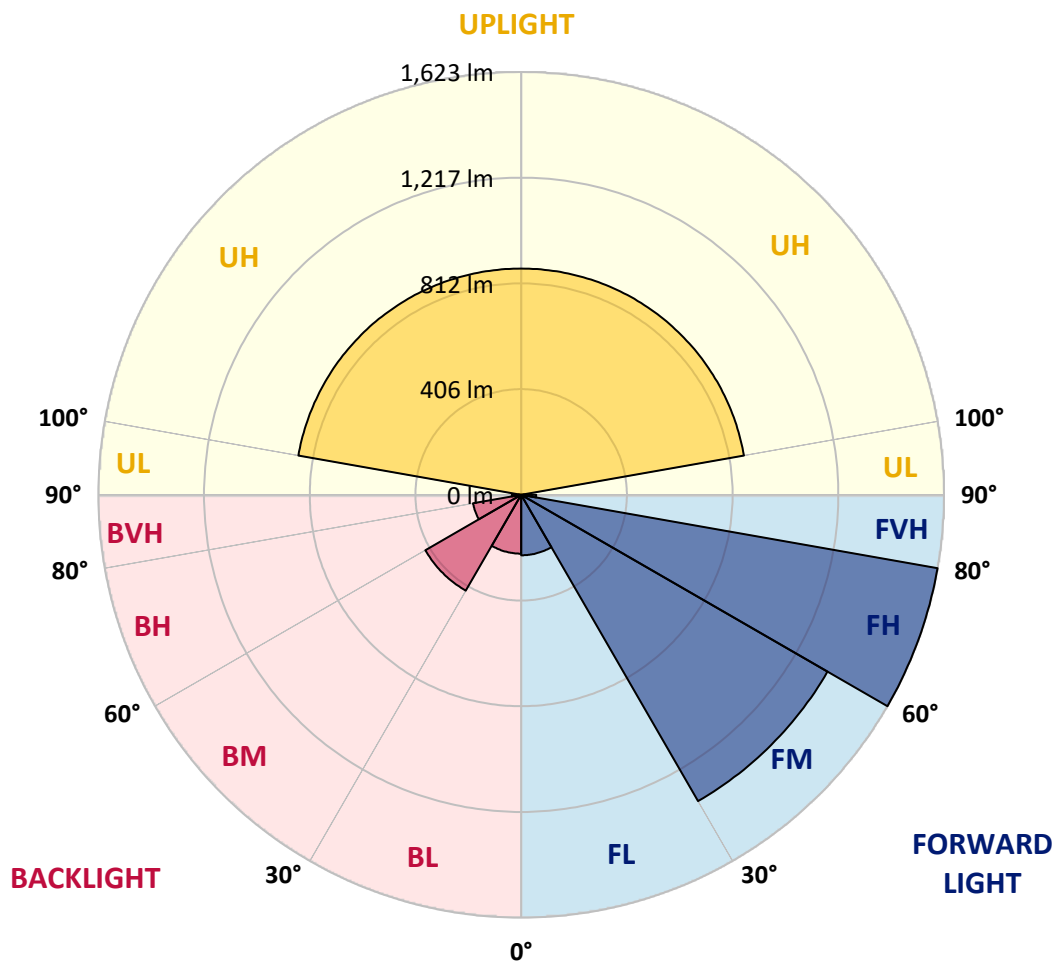
CATALOG NUMBER: IST-AF-600-LED-E1-T4FT-7050-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	232.1	3.9			
FM	(30°-60°)	1357.8	23.1			
FH	(60°-80°)	1623.3	27.6			G1/1800
FVH	(80°-90°)	58.0	1.0			G1/100
BL	(0°-30°)	226.0	3.8	B1/500		
BM	(30°-60°)	424.9	7.2	B1/1000		
BH	(60°-80°)	187.6	3.2	B1/500		G1/500
BVH	(80°-90°)	36.2	0.6			G1/100
UL	(90°-100°)	10.6	0.2		U2/50	
UH	(100°-180°)	868.5	14.8		U4/1000	

BUG Rating: B1-U5-G1

Type IV Short





REPORT NUMBER: P226563

CATALOG NUMBER: IST-AF-600-LED-E1-T4FT-7050-ULG

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
0°	608.9	608.9	608.9	608.9	608.9	608.9	608.9	608.9	608.9	608.9	608.9
2.5°	586.9	588.1	589.3	589.3	589.3	591.1	590.5	590.5	591.1	591.7	591.7
5°	565.0	565.6	569.1	570.3	573.9	573.3	573.3	573.3	575.6	573.9	575.1
7.5°	540.0	541.2	544.8	548.9	551.9	552.5	551.9	550.7	553.7	554.9	553.7
10°	510.3	510.9	515.6	519.2	524.0	523.4	525.2	525.2	526.3	525.7	528.1
12.5°	495.5	494.3	491.9	493.7	494.9	494.9	494.9	496.6	496.0	497.2	499.0
15°	493.7	490.7	478.8	474.7	473.5	473.5	472.9	472.3	474.1	475.8	475.8
17.5°	502.0	496.0	472.9	461.0	458.6	457.4	458.0	456.8	456.8	459.2	458.6
20°	542.4	531.7	485.4	459.2	452.1	452.1	451.5	449.7	449.7	450.3	450.3
22.5°	645.2	631.5	550.7	496.6	471.7	471.1	469.3	467.5	462.8	461.6	459.2
25°	788.3	772.3	633.9	575.6	540.6	539.4	530.5	529.3	518.0	518.6	510.9
27.5°	899.4	888.7	745.0	667.7	634.5	627.3	623.2	612.5	603.0	595.3	585.7
30°	937.4	935.7	857.2	794.9	745.0	736.6	725.4	720.6	706.9	696.2	689.7
32.5°	997.4	999.2	966.5	897.6	854.3	845.9	836.4	825.2	815.7	808.5	793.1
35°	1083.0	1083.6	1061.0	1009.3	959.4	948.1	942.8	929.7	920.8	911.9	904.2
37.5°	1142.4	1145.4	1129.3	1089.5	1059.8	1043.8	1043.2	1033.7	1023.6	1015.9	1008.7
40°	1256.4	1240.4	1187.5	1162.0	1137.6	1135.9	1130.5	1125.2	1127.5	1123.4	1131.1
42.5°	1371.7	1351.5	1277.8	1241.6	1226.7	1229.7	1227.9	1228.5	1235.7	1233.9	1242.2
45°	1470.3	1447.1	1377.0	1334.3	1346.2	1349.7	1359.8	1365.8	1362.8	1373.5	1373.5
47.5°	1568.9	1514.9	1431.7	1451.3	1459.6	1486.9	1494.1	1492.3	1502.4	1507.1	1494.1
50°	1499.4	1485.2	1478.6	1538.6	1576.1	1585.0	1595.1	1600.4	1605.2	1598.6	1585.6
52.5°	1352.7	1351.5	1443.6	1590.3	1621.8	1633.7	1643.2	1647.3	1645.6	1642.0	1631.3
55°	1303.4	1293.9	1373.5	1536.8	1585.0	1596.3	1609.9	1618.2	1626.6	1625.4	1617.0
57.5°	1370.5	1362.8	1363.4	1489.9	1536.8	1546.9	1555.9	1565.4	1567.7	1575.5	1576.1
60°	1565.4	1555.3	1473.9	1488.1	1535.7	1546.9	1548.1	1553.5	1554.1	1558.2	1558.8
62.5°	1846.4	1827.9	1703.8	1596.8	1613.5	1618.8	1623.0	1621.8	1619.4	1616.5	1616.5
65°	2154.1	2136.9	1977.1	1852.3	1804.2	1817.2	1796.5	1792.3	1787.5	1787.5	1782.2
67.5°	2520.0	2487.4	2363.8	2223.6	2154.1	2160.6	2170.1	2133.9	2120.8	2122.0	2094.1
70°	2893.1	2858.6	2804.6	2802.8	2837.9	2822.4	2778.4	2836.7	2767.8	2751.1	2745.2
72.5°	2687.0	2646.0	2657.3	2992.9	3307.8	3358.8	3407.6	3452.7	3493.1	3517.5	3521.0
73°	2528.9	2451.1	2531.9	2926.4	3275.7	3351.1	3411.7	3459.8	3503.2	3525.2	3538.9
75°	1263.0	1267.1	1665.2	2414.3	2862.8	2927.6	3022.0	3074.9	3153.3	3193.7	3158.1
77.5°	292.9	303.6	504.4	1146.0	1716.3	1808.9	1884.4	1961.6	2052.5	2086.4	2056.7
80°	103.4	108.1	177.6	435.5	716.4	767.5	832.3	917.2	1001.6	1022.4	1074.7
82.5°	54.7	60.0	93.9	188.9	305.9	334.5	351.1	386.1	415.8	433.7	443.2
85°	31.5	32.1	53.5	104.6	140.2	151.5	162.2	170.5	180.0	173.5	173.5
87.5°	12.5	13.7	27.3	49.3	67.7	75.4	75.4	75.4	74.9	65.9	60.0
90°	7.4	8.6	12.3	18.1	16.9	16.9	16.3	15.1	14.5	15.1	12.1
92.5°	4.0	4.0	5.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
95°	5.0	5.0	6.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
97.5°	7.0	7.0	8.0	8.0	8.5	8.6	8.7	8.8	8.9	9.0	9.0
100°	8.0	8.0	9.0	10.0	11.0	11.2	11.4	11.6	11.8	12.0	12.9
102.5°	11.0	11.0	13.0	18.0	22.5	23.4	24.3	25.2	26.1	27.0	28.3
105°	21.0	22.0	27.0	36.0	42.0	43.2	44.4	45.6	46.8	48.0	49.5
107.5°	41.0	42.0	49.0	58.0	65.5	67.0	68.5	70.0	71.5	73.0	74.5



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CATALOG NUMBER: IST-AF-600-LED-E1-T4FT-7050-ULG

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
110°	66.0	68.0	74.0	87.0	94.5	96.0	97.5	99.0	100.5	102.0	103.2
112.5°	99.0	99.0	106.0	121.0	127.5	128.8	130.1	131.4	132.7	134.0	134.9
115°	140.0	139.0	147.0	159.0	163.5	164.4	165.3	166.2	167.1	168.0	168.6
117.5°	184.0	184.0	189.0	197.0	199.5	200.0	200.5	201.0	201.5	202.0	202.3
120°	225.0	223.0	226.0	233.0	235.0	235.4	235.8	236.2	236.6	237.0	237.6
122.5°	263.0	260.0	261.0	267.0	269.0	269.4	269.8	270.2	270.6	271.0	271.6
125°	298.0	294.0	296.0	299.0	302.0	302.6	303.2	303.8	304.4	305.0	305.5
127.5°	330.0	329.0	329.0	333.0	336.0	336.6	337.2	337.8	338.4	339.0	339.1
130°	363.0	361.0	362.0	366.0	368.0	368.4	368.8	369.2	369.6	370.0	370.2
132.5°	396.0	394.0	393.0	401.0	402.5	402.8	403.1	403.4	403.7	404.0	404.1
135°	429.0	426.0	426.0	432.0	433.5	433.8	434.1	434.4	434.7	435.0	435.2
137.5°	460.0	457.0	459.0	460.0	462.0	462.4	462.8	463.2	463.6	464.0	464.4
140°	488.0	485.0	487.0	489.0	490.0	490.2	490.4	490.6	490.8	491.0	491.6
142.5°	518.0	515.0	517.0	518.0	519.5	519.8	520.1	520.4	520.7	521.0	521.4
145°	550.0	546.0	544.0	547.0	548.5	548.8	549.1	549.4	549.7	550.0	550.1
147.5°	575.0	572.0	571.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.1
150°	595.0	592.0	593.0	593.0	593.0	593.0	593.0	593.0	593.0	593.0	593.0
152.5°	611.0	608.0	608.0	609.0	609.5	609.6	609.7	609.8	609.8	609.9	610.0
155°	629.0	625.0	625.0	627.0	628.5	628.8	629.1	629.4	629.7	630.0	629.8
157.5°	646.0	643.0	643.0	644.0	645.0	645.2	645.4	645.6	645.8	646.0	645.9
160°	663.0	660.0	659.0	656.0	655.5	655.4	655.3	655.2	655.1	655.0	655.0
162.5°	673.0	669.0	669.0	665.0	663.0	662.6	662.2	661.8	661.4	661.0	661.2
165°	681.0	678.0	676.0	676.0	674.5	674.2	673.9	673.6	673.3	673.0	673.0
167.5°	690.0	687.0	684.0	686.0	687.0	687.2	687.4	687.6	687.8	688.0	687.7
170°	698.0	695.0	692.0	692.0	692.5	692.6	692.7	692.8	692.9	693.0	692.8
172.5°	699.0	697.0	695.0	693.0	691.5	691.2	690.9	690.6	690.3	690.0	690.0
175°	700.0	698.0	697.0	695.0	693.0	692.6	692.2	691.8	691.4	691.0	690.9
177.5°	707.0	705.0	700.0	699.0	698.0	697.8	697.6	697.4	697.2	697.0	696.8
180°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0



REPORT NUMBER: P226563

CATALOG NUMBER: IST-AF-600-LED-E1-T4FT-7050-ULG

CANDELA DISTRIBUTION (continued):

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
0°	608.9	608.9	608.9	608.9	608.9	608.9	608.9	608.9	608.9	608.9	608.9
2.5°	592.9	593.5	592.3	594.7	592.9	592.9	595.8	601.2	605.4	606.5	610.1
5°	576.2	576.8	576.8	577.4	576.8	578.0	583.4	588.1	596.4	600.6	605.9
7.5°	554.9	556.6	556.0	557.2	557.2	558.4	566.7	574.5	582.8	590.5	597.0
10°	529.3	530.5	532.9	531.7	531.7	535.3	544.2	555.5	565.6	576.8	584.6
12.5°	499.0	502.0	501.4	503.8	505.0	507.3	522.2	534.7	547.1	560.2	570.3
15°	475.3	477.0	478.2	478.8	478.8	484.2	499.0	514.5	531.1	546.5	557.2
17.5°	459.8	459.8	461.0	461.6	462.8	466.3	481.8	499.0	518.0	537.0	548.9
20°	450.9	450.9	451.5	452.1	452.1	456.2	470.5	490.1	510.9	535.3	549.5
22.5°	458.0	456.2	455.6	455.6	453.3	453.3	466.9	487.7	513.9	545.4	563.8
25°	506.7	501.4	493.1	491.3	488.3	474.1	472.3	496.0	528.1	567.3	595.3
27.5°	579.8	574.5	569.1	562.6	557.8	531.7	496.0	517.4	555.5	611.3	645.7
30°	675.5	664.8	657.0	649.9	629.1	600.6	545.4	550.7	597.6	672.5	715.8
32.5°	782.4	771.1	759.2	742.6	737.2	690.9	620.2	605.9	651.1	743.8	788.9
35°	885.8	880.4	872.1	865.6	853.1	814.5	717.6	672.5	712.9	827.5	862.6
37.5°	1005.8	995.7	996.2	990.9	983.8	951.1	818.6	752.7	779.4	907.7	929.7
40°	1124.0	1121.6	1125.2	1116.2	1104.4	1060.4	892.9	811.5	848.9	985.0	979.6
42.5°	1235.7	1237.4	1233.3	1223.2	1210.1	1136.4	940.4	861.4	911.3	1052.7	1019.4
45°	1363.4	1356.8	1339.6	1321.8	1305.8	1201.8	966.0	917.2	971.3	1125.8	1059.8
47.5°	1484.0	1458.4	1443.6	1416.3	1384.8	1261.2	1000.4	976.1	1037.8	1194.7	1098.4
50°	1572.5	1548.7	1523.8	1490.5	1457.2	1312.9	1046.2	1042.6	1113.3	1271.9	1151.3
52.5°	1612.9	1590.9	1566.6	1532.7	1499.4	1350.3	1107.3	1107.3	1202.4	1374.1	1224.4
55°	1606.4	1590.3	1568.9	1538.0	1512.5	1370.5	1170.3	1178.6	1314.1	1484.6	1308.7
57.5°	1571.9	1563.0	1550.5	1529.1	1508.3	1386.0	1244.6	1249.9	1463.8	1590.9	1388.3
60°	1560.0	1556.5	1549.3	1536.8	1520.8	1419.8	1323.6	1335.5	1631.3	1688.3	1433.5
62.5°	1612.9	1605.8	1600.4	1587.9	1573.1	1503.0	1422.8	1426.4	1788.7	1700.2	1389.5
65°	1761.4	1748.3	1739.4	1722.8	1706.2	1628.3	1549.3	1510.7	1866.0	1589.1	1240.4
67.5°	2072.7	2051.3	2025.8	1994.3	1948.5	1878.4	1674.7	1522.6	1795.9	1346.2	978.4
70°	2688.1	2641.8	2583.0	2515.9	2498.6	2294.3	1753.1	1434.7	1492.9	940.4	648.7
72.5°	3515.1	3467.0	3414.7	3359.4	3250.1	2801.0	1718.6	1157.2	928.5	483.6	308.9
73°	3528.8	3496.1	3433.1	3368.9	3279.8	2792.1	1681.2	1066.9	818.6	380.8	253.1
75°	3164.6	3151.5	3089.7	2966.2	2890.7	2358.4	1238.0	618.4	358.2	235.3	164.6
77.5°	2053.7	2039.4	2004.4	1992.5	1853.5	1529.1	554.3	240.6	194.9	156.2	116.4
80°	1094.3	1027.7	1015.9	968.3	866.7	588.7	189.5	147.3	129.5	104.6	81.4
82.5°	443.8	415.3	404.6	366.5	344.6	176.4	95.1	102.2	86.7	61.8	49.9
85°	163.4	150.3	146.7	119.4	105.1	52.3	58.2	71.9	54.1	34.5	25.0
87.5°	56.4	48.7	42.2	32.7	30.3	21.4	32.1	39.2	34.5	20.8	11.9
90°	12.0	11.3	10.6	9.9	10.4	9.4	10.6	14.3	14.9	10.6	9.4
92.5°	6.0	6.0	6.0	6.0	6.0	6.0	7.0	7.0	6.0	6.0	6.0
95°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	8.0	7.0	7.0	7.0
97.5°	9.0	9.0	9.0	9.0	9.0	9.0	12.0	10.0	9.0	8.0	8.0
100°	13.8	14.7	15.6	16.5	17.4	21.0	29.0	26.0	23.0	19.0	19.0
102.5°	29.6	30.9	32.2	33.5	34.8	40.0	50.0	47.0	42.0	39.0	38.0
105°	51.0	52.5	54.0	55.5	57.0	63.0	72.0	70.0	65.0	61.0	61.0
107.5°	76.0	77.5	79.0	80.5	82.0	88.0	95.0	94.0	90.0	87.0	86.0



REPORT NUMBER: P226563

CATALOG NUMBER: IST-AF-600-LED-E1-T4FT-7050-ULG

CANDELA DISTRIBUTION (continued):

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
110°	104.4	105.6	106.8	108.0	109.2	114.0	120.0	121.0	119.0	116.0	117.0
112.5°	135.8	136.7	137.6	138.5	139.4	143.0	148.0	150.0	149.0	147.0	147.0
115°	169.2	169.8	170.4	171.0	171.6	174.0	179.0	182.0	179.0	177.0	178.0
117.5°	202.6	202.9	203.2	203.5	203.8	205.0	211.0	215.0	210.0	208.0	209.0
120°	238.2	238.8	239.4	240.0	240.6	243.0	246.0	250.0	245.0	243.0	243.0
122.5°	272.2	272.8	273.4	274.0	274.6	277.0	279.0	283.0	278.0	276.0	277.0
125°	306.0	306.5	307.0	307.5	308.0	310.0	313.0	315.0	310.0	310.0	310.0
127.5°	339.2	339.3	339.4	339.5	339.6	340.0	345.0	346.0	346.0	345.0	347.0
130°	370.4	370.6	370.8	371.0	371.2	372.0	377.0	381.0	381.0	379.0	380.0
132.5°	404.2	404.3	404.4	404.5	404.6	405.0	411.0	416.0	414.0	414.0	415.0
135°	435.4	435.6	435.8	436.0	436.2	437.0	443.0	448.0	447.0	450.0	451.0
137.5°	464.8	465.2	465.6	466.0	466.4	468.0	473.0	475.0	476.0	481.0	482.0
140°	492.2	492.8	493.4	494.0	494.6	497.0	500.0	502.0	504.0	509.0	511.0
142.5°	521.8	522.2	522.6	523.0	523.4	525.0	527.0	533.0	533.0	534.0	536.0
145°	550.2	550.3	550.4	550.5	550.6	551.0	556.0	562.0	561.0	558.0	560.0
147.5°	574.2	574.3	574.4	574.5	574.6	575.0	580.0	585.0	586.0	583.0	585.0
150°	593.0	593.0	593.0	593.0	593.0	593.0	597.0	600.0	603.0	606.0	610.0
152.5°	610.0	610.0	610.0	610.0	610.0	610.0	611.0	614.0	618.0	623.0	628.0
155°	629.6	629.4	629.2	629.0	628.8	628.0	626.0	631.0	636.0	638.0	641.0
157.5°	645.8	645.7	645.6	645.5	645.4	645.0	644.0	648.0	650.0	650.0	655.0
160°	655.0	655.0	655.0	655.0	655.0	655.0	658.0	664.0	661.0	660.0	666.0
162.5°	661.4	661.6	661.8	662.0	662.2	663.0	667.0	671.0	670.0	668.0	674.0
165°	673.0	673.0	673.0	673.0	673.0	673.0	672.0	677.0	680.0	678.0	682.0
167.5°	687.4	687.1	686.8	686.5	686.2	685.0	678.0	684.0	688.0	688.0	694.0
170°	692.6	692.4	692.2	692.0	691.8	691.0	686.0	689.0	694.0	696.0	701.0
172.5°	690.0	690.0	690.0	690.0	690.0	690.0	689.0	692.0	694.0	696.0	701.0
175°	690.8	690.7	690.6	690.5	690.4	690.0	690.0	695.0	696.0	694.0	699.0
177.5°	696.6	696.4	696.2	696.0	695.8	695.0	694.0	699.0	701.0	698.0	702.0
180°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0



REPORT NUMBER: P226563

CATALOG NUMBER: IST-AF-600-LED-E1-T4FT-7050-ULG

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	608.9	608.9	608.9	608.9	608.9	608.9	608.9	608.9	608.9	608.9
2.5°	611.3	613.7	618.4	622.0	625.0	629.1	630.3	632.7	629.7	633.3
5°	608.9	616.0	625.0	633.3	641.0	647.5	650.5	651.1	651.7	654.1
7.5°	603.0	613.7	627.9	639.2	651.1	655.3	657.0	657.6	653.5	655.3
10°	591.1	608.3	626.1	639.8	645.7	642.8	638.0	630.3	626.7	626.7
12.5°	578.0	600.0	620.8	628.5	623.2	611.9	598.8	584.6	579.2	579.2
15°	567.3	595.3	612.5	607.1	591.7	570.3	552.5	537.6	532.9	531.1
17.5°	561.4	592.9	599.4	582.8	556.6	529.9	512.1	499.6	495.5	495.5
20°	566.1	595.3	584.6	553.7	521.0	496.6	481.2	472.9	468.7	470.5
22.5°	586.3	604.2	571.5	525.2	485.4	464.6	457.4	452.1	451.5	452.7
25°	620.2	616.0	560.2	495.5	452.1	437.2	436.6	434.9	434.3	433.7
27.5°	664.2	630.9	546.5	462.2	418.8	411.7	415.3	414.7	414.1	414.7
30°	722.4	644.0	526.3	425.9	387.3	387.3	392.7	390.9	388.5	389.1
32.5°	776.4	653.5	495.5	385.5	362.4	363.6	365.4	360.6	354.7	355.8
35°	822.8	653.5	453.9	349.3	336.8	336.8	338.0	333.9	329.1	327.3
37.5°	861.4	640.4	401.6	322.0	316.0	316.0	320.8	316.6	307.7	305.9
40°	884.6	611.9	353.5	301.8	305.9	306.5	300.0	292.9	284.6	282.8
42.5°	899.4	570.3	315.4	287.5	299.4	294.7	279.2	267.9	267.3	269.7
45°	912.5	523.4	285.2	273.3	292.3	282.2	261.4	250.7	254.3	256.6
47.5°	925.6	476.4	260.8	257.2	279.2	272.1	250.1	238.2	236.4	240.0
50°	956.4	411.1	232.9	238.2	263.2	260.8	240.0	226.3	215.1	214.5
52.5°	998.0	323.8	209.1	221.6	250.7	254.3	228.7	215.6	200.2	197.8
55°	1044.4	248.3	189.5	208.5	238.8	244.8	224.6	205.0	188.3	185.9
57.5°	1058.0	196.0	171.1	190.1	222.8	235.8	218.0	192.5	180.0	177.6
60°	1011.1	162.8	155.6	174.7	206.7	226.9	207.9	183.0	171.7	169.9
62.5°	867.9	143.8	147.3	164.6	194.9	218.6	200.2	175.8	166.9	165.7
65°	662.4	130.7	140.2	156.2	184.2	210.9	194.9	172.9	165.7	164.6
67.5°	415.8	121.2	133.1	147.3	173.5	202.6	190.7	169.3	164.0	162.2
70°	230.5	111.1	123.6	137.2	162.8	194.9	185.3	164.0	163.4	159.8
72.5°	140.2	100.4	113.5	126.5	150.9	185.3	175.8	157.4	151.5	144.4
73°	133.7	99.2	111.1	124.2	147.9	183.0	174.1	155.1	149.1	142.0
75°	108.1	89.1	101.6	112.9	137.2	173.5	164.0	146.7	137.2	131.9
77.5°	79.6	76.0	87.9	98.6	123.6	160.4	149.7	134.3	123.0	120.0
80°	58.8	63.0	74.3	83.8	108.7	147.3	134.9	120.0	112.9	109.3
82.5°	39.8	48.7	59.4	67.1	96.2	133.1	119.4	105.1	109.9	91.5
85°	23.2	33.9	42.8	52.3	77.2	118.8	104.0	89.7	78.4	70.7
87.5°	15.4	19.0	26.1	35.6	55.8	93.3	82.6	70.1	51.1	51.1
90°	8.8	11.4	12.6	11.2	14.7	47.8	35.3	39.7	10.9	10.3
92.5°	6.0	6.0	7.0	7.0	6.0	6.0	6.0	5.0	4.0	4.0
95°	7.0	7.0	8.0	7.0	7.0	7.0	7.0	6.0	5.0	5.0
97.5°	8.0	9.0	10.0	12.0	9.0	9.0	8.0	8.0	7.0	7.0
100°	19.0	23.0	26.0	29.0	21.0	12.0	10.0	9.0	8.0	8.0
102.5°	39.0	42.0	47.0	50.0	40.0	27.0	18.0	13.0	11.0	11.0
105°	61.0	65.0	70.0	72.0	63.0	48.0	36.0	27.0	22.0	21.0
107.5°	87.0	90.0	94.0	95.0	88.0	73.0	58.0	49.0	42.0	41.0



REPORT NUMBER: P226563

CATALOG NUMBER: IST-AF-600-LED-E1-T4FT-7050-ULG

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	116.0	119.0	121.0	120.0	114.0	102.0	87.0	74.0	68.0	66.0
112.5°	147.0	149.0	150.0	148.0	143.0	134.0	121.0	106.0	99.0	99.0
115°	177.0	179.0	182.0	179.0	174.0	168.0	159.0	147.0	139.0	140.0
117.5°	208.0	210.0	215.0	211.0	205.0	202.0	197.0	189.0	184.0	184.0
120°	243.0	245.0	250.0	246.0	243.0	237.0	233.0	226.0	223.0	225.0
122.5°	276.0	278.0	283.0	279.0	277.0	271.0	267.0	261.0	260.0	263.0
125°	310.0	310.0	315.0	313.0	310.0	305.0	299.0	296.0	294.0	298.0
127.5°	345.0	346.0	346.0	345.0	340.0	339.0	333.0	329.0	329.0	330.0
130°	379.0	381.0	381.0	377.0	372.0	370.0	366.0	362.0	361.0	363.0
132.5°	414.0	414.0	416.0	411.0	405.0	404.0	401.0	393.0	394.0	396.0
135°	450.0	447.0	448.0	443.0	437.0	435.0	432.0	426.0	426.0	429.0
137.5°	481.0	476.0	475.0	473.0	468.0	464.0	460.0	459.0	457.0	460.0
140°	509.0	504.0	502.0	500.0	497.0	491.0	489.0	487.0	485.0	488.0
142.5°	534.0	533.0	533.0	527.0	525.0	521.0	518.0	517.0	515.0	518.0
145°	558.0	561.0	562.0	556.0	551.0	550.0	547.0	544.0	546.0	550.0
147.5°	583.0	586.0	585.0	580.0	575.0	574.0	574.0	571.0	572.0	575.0
150°	606.0	603.0	600.0	597.0	593.0	593.0	593.0	593.0	592.0	595.0
152.5°	623.0	618.0	614.0	611.0	610.0	610.0	609.0	608.0	608.0	611.0
155°	638.0	636.0	631.0	626.0	628.0	630.0	627.0	625.0	625.0	629.0
157.5°	650.0	650.0	648.0	644.0	645.0	646.0	644.0	643.0	643.0	646.0
160°	660.0	661.0	664.0	658.0	655.0	655.0	656.0	659.0	660.0	663.0
162.5°	668.0	670.0	671.0	667.0	663.0	661.0	665.0	669.0	669.0	673.0
165°	678.0	680.0	677.0	672.0	673.0	673.0	676.0	676.0	678.0	681.0
167.5°	688.0	688.0	684.0	678.0	685.0	688.0	686.0	684.0	687.0	690.0
170°	696.0	694.0	689.0	686.0	691.0	693.0	692.0	692.0	695.0	698.0
172.5°	696.0	694.0	692.0	689.0	690.0	690.0	693.0	695.0	697.0	699.0
175°	694.0	696.0	695.0	690.0	690.0	691.0	695.0	697.0	698.0	700.0
177.5°	698.0	701.0	699.0	694.0	695.0	697.0	699.0	700.0	705.0	707.0
180°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0

(END OF REPORT)