

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: P226573

Luminaire Tested: **IST-AF-350-LED-E1-T4FT-7050-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226573
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-350-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: 4267.4 lumens
Efficiency: N/A
Efficacy: 116.0 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

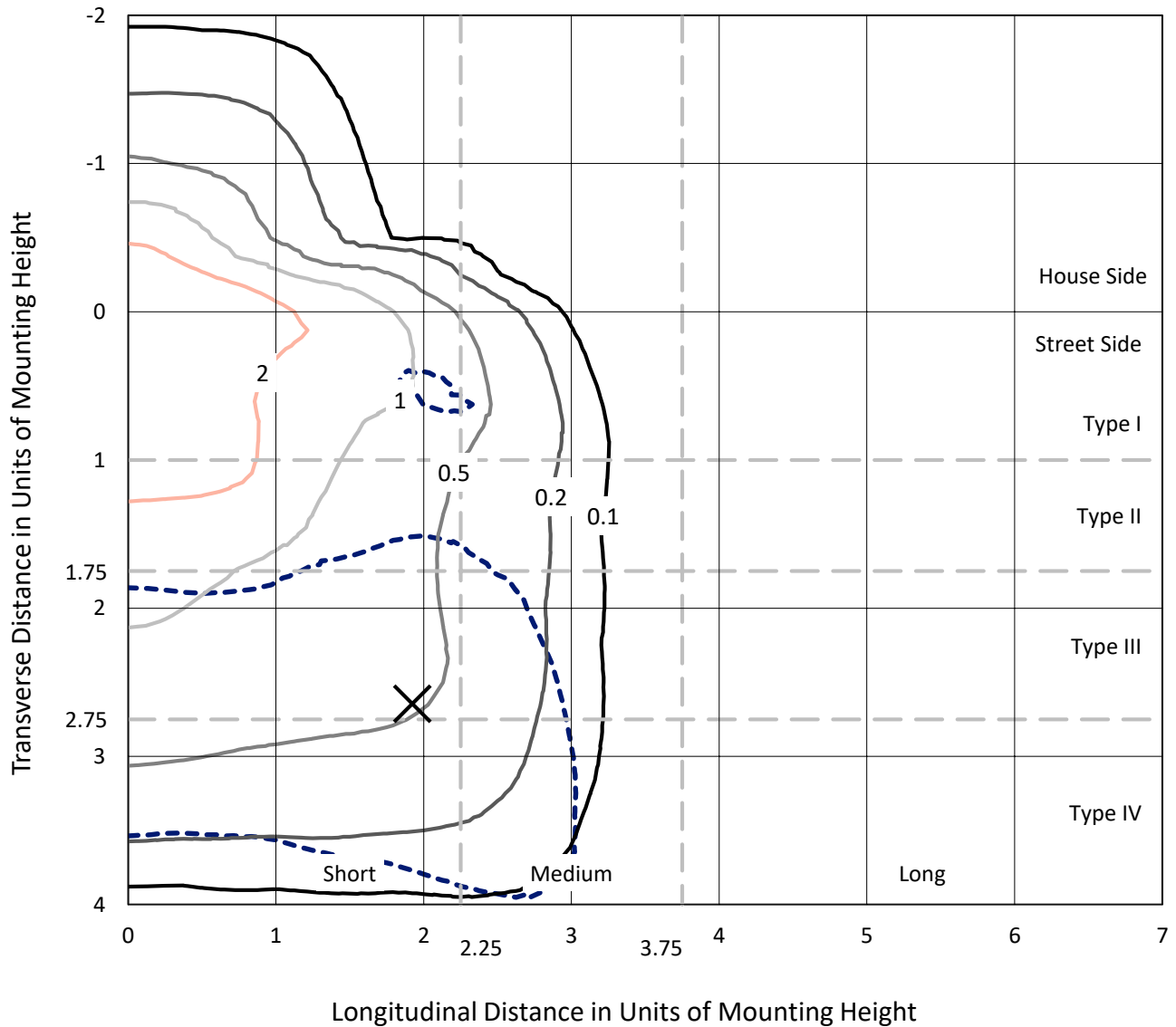
Input Watts (W): 36.79
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

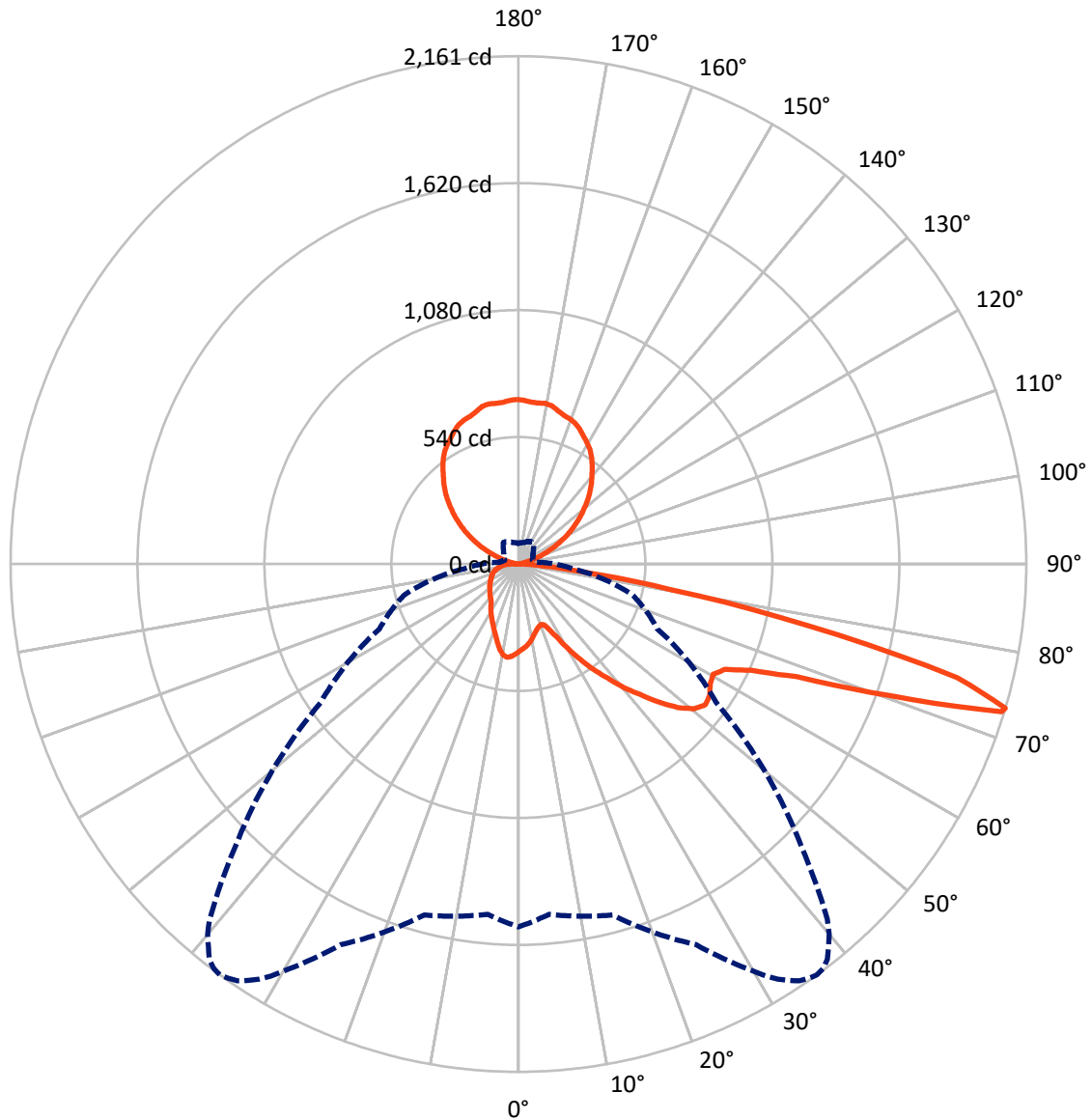
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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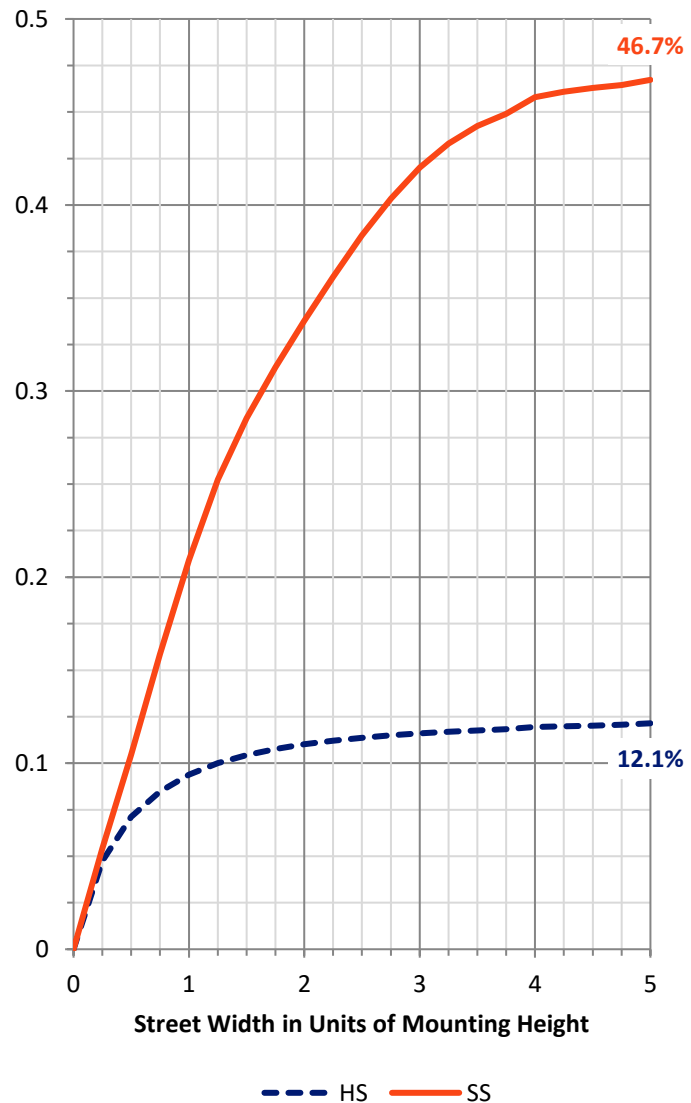
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	534.2	868.2	1402.4
	% Fixture	12.5	20.3	32.9
Street Side	Lumens	1997.2	867.8	2865.0
	% Fixture	46.8	20.3	67.1
Total	Lumens	2531.5	1735.9	4267.4
	% Fixture	59.3	40.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.0	0.8
10°-20°	92.7	2.2
20°-30°	152.0	3.6
30°-40°	251.8	5.9
40°-50°	370.0	8.7
50°-60°	466.6	10.9
60°-70°	611.0	14.3
70°-80°	494.6	11.6
80°-90°	57.9	1.4
90°-100°	10.1	0.2
100°-110°	57.4	1.3
110°-120°	166.1	3.9
120°-130°	273.2	6.4
130°-140°	336.8	7.9
140°-150°	344.6	8.1
150°-160°	290.3	6.8
160°-170°	191.2	4.5
170°-180°	66.3	1.6
0°-90°	2531.5	59.3
0°-180°	4267.4	100.0



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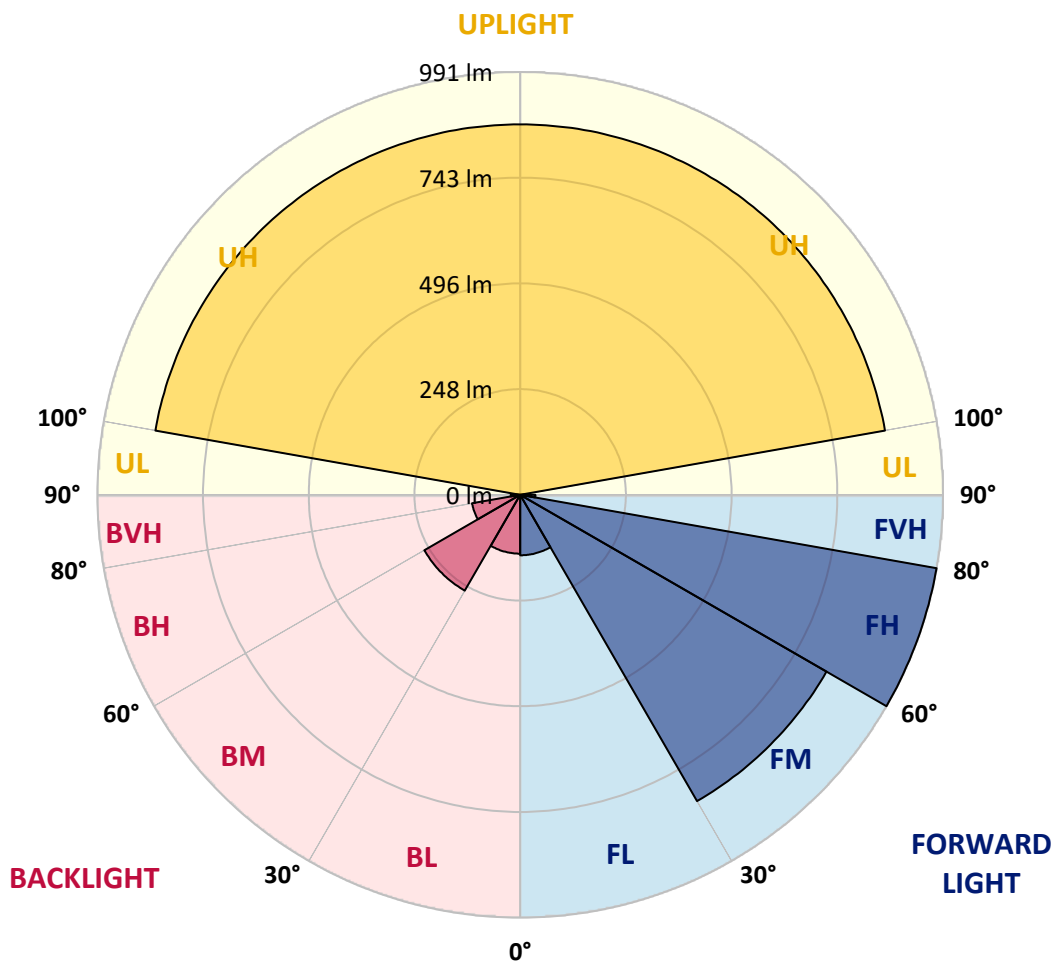
CATALOG NUMBER: IST-AF-350-LED-E1-T4FT-7050-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	141.7	3.3			
FM (30°-60°)	828.9	19.4			
FH (60°-80°)	991.0	23.2			G1/1800
FVH (80°-90°)	35.6	0.8			G1/100
BL (0°-30°)	138.0	3.2	B1/500		
BM (30°-60°)	259.4	6.1	B1/1000		
BH (60°-80°)	114.5	2.7	B1/500		G1/500
BVH (80°-90°)	22.3	0.5			G1/100
UL (90°-100°)	10.1	0.2		U2/50	
UH (100°-180°)	868.2	20.3		U4/1000	

BUG Rating: B1-U5-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
0°	371.7	371.7	371.7	371.7	371.7	371.7	371.7	371.7	371.7	371.7	371.7
2.5°	358.3	359.1	359.8	359.8	359.8	360.9	360.5	360.5	360.9	361.2	361.2
5°	344.9	345.3	347.4	348.2	350.3	350.0	350.0	350.0	351.4	350.3	351.1
7.5°	329.7	330.4	332.6	335.1	336.9	337.3	336.9	336.2	338.0	338.7	338.0
10°	311.5	311.9	314.8	317.0	319.9	319.5	320.6	320.6	321.3	321.0	322.4
12.5°	302.5	301.7	300.3	301.4	302.1	302.1	302.1	303.2	302.8	303.6	304.6
15°	301.4	299.6	292.3	289.8	289.1	289.1	288.7	288.3	289.4	290.5	290.5
17.5°	306.5	302.8	288.7	281.4	280.0	279.3	279.6	278.9	278.9	280.3	280.0
20°	331.1	324.6	296.3	280.3	276.0	276.0	275.6	274.5	274.5	274.9	274.9
22.5°	393.9	385.5	336.2	303.2	288.0	287.6	286.5	285.4	282.5	281.8	280.3
25°	481.3	471.5	387.0	351.4	330.0	329.3	323.9	323.1	316.3	316.6	311.9
27.5°	549.1	542.6	454.8	407.6	387.3	383.0	380.4	373.9	368.1	363.4	357.6
30°	572.3	571.2	523.3	485.3	454.8	449.7	442.8	439.9	431.6	425.1	421.1
32.5°	608.9	610.0	590.1	548.0	521.5	516.5	510.7	503.8	498.0	493.6	484.2
35°	661.2	661.5	647.7	616.2	585.7	578.8	575.6	567.6	562.2	556.7	552.0
37.5°	697.4	699.2	689.5	665.2	647.0	637.2	636.9	631.1	624.9	620.2	615.8
40°	767.1	757.3	725.0	709.4	694.5	693.4	690.2	686.9	688.4	685.8	690.5
42.5°	837.4	825.1	780.1	758.0	748.9	750.7	749.7	750.0	754.4	753.3	758.4
45°	897.6	883.5	840.7	814.6	821.8	824.0	830.2	833.8	832.0	838.5	838.5
47.5°	957.8	924.8	874.1	886.0	891.1	907.8	912.1	911.0	917.2	920.1	912.1
50°	915.4	906.7	902.7	939.3	962.2	967.6	973.8	977.1	980.0	976.0	968.0
52.5°	825.8	825.1	881.3	970.9	990.1	997.4	1003.2	1005.7	1004.6	1002.4	995.9
55°	795.7	789.9	838.5	938.2	967.6	974.5	982.9	987.9	993.0	992.3	987.2
57.5°	836.7	832.0	832.3	909.6	938.2	944.4	949.9	955.7	957.1	961.8	962.2
60°	955.7	949.5	899.8	908.5	937.5	944.4	945.1	948.4	948.8	951.3	951.7
62.5°	1127.2	1116.0	1040.2	974.9	985.0	988.3	990.8	990.1	988.7	986.8	986.8
65°	1315.1	1304.6	1207.0	1130.8	1101.5	1109.4	1096.7	1094.2	1091.3	1091.3	1088.0
67.5°	1538.5	1518.5	1443.1	1357.5	1315.1	1319.1	1324.9	1302.7	1294.8	1295.5	1278.4
70°	1766.2	1745.2	1712.2	1711.1	1732.5	1723.1	1696.2	1731.8	1689.7	1679.6	1675.9
72.5°	1640.4	1615.4	1622.3	1827.2	2019.4	2050.6	2080.3	2107.9	2132.5	2147.4	2149.6
73°	1543.9	1496.4	1545.7	1786.5	1999.8	2045.9	2082.9	2112.2	2138.7	2152.1	2160.5
75°	771.1	773.6	1016.6	1473.9	1747.7	1787.3	1844.9	1877.2	1925.1	1949.8	1928.0
77.5°	178.8	185.3	307.9	699.6	1047.8	1104.4	1150.4	1197.6	1253.1	1273.7	1255.6
80°	63.1	66.0	108.4	265.8	437.4	468.6	508.1	560.0	611.5	624.2	656.1
82.5°	33.4	36.6	57.3	115.3	186.8	204.2	214.3	235.7	253.9	264.8	270.6
85°	19.2	19.6	32.6	63.8	85.6	92.5	99.0	104.1	109.9	105.9	105.9
87.5°	7.6	8.3	16.7	30.1	41.3	46.1	46.1	46.1	45.7	40.3	36.6
90°	6.5	7.2	10.3	14.2	13.4	13.4	13.1	12.4	12.0	12.4	10.4
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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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



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CANDELA DISTRIBUTION (continued):

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
0°	371.7	371.7	371.7	371.7	371.7	371.7	371.7	371.7	371.7	371.7	371.7
2.5°	362.0	362.3	361.6	363.0	362.0	362.0	363.8	367.0	369.6	370.3	372.5
5°	351.8	352.2	352.2	352.5	352.2	352.9	356.1	359.1	364.1	366.7	369.9
7.5°	338.7	339.8	339.5	340.2	340.2	340.9	346.0	350.7	355.8	360.5	364.5
10°	323.1	323.9	325.3	324.6	324.6	326.8	332.2	339.1	345.3	352.2	356.9
12.5°	304.6	306.5	306.1	307.6	308.3	309.7	318.8	326.4	334.0	342.0	348.2
15°	290.1	291.2	292.0	292.3	292.3	295.6	304.6	314.1	324.2	333.7	340.2
17.5°	280.7	280.7	281.4	281.8	282.5	284.7	294.1	304.6	316.3	327.9	335.1
20°	275.3	275.3	275.6	276.0	276.0	278.5	287.2	299.2	311.9	326.8	335.5
22.5°	279.6	278.5	278.2	278.2	276.7	276.7	285.1	297.8	313.7	332.9	344.2
25°	309.4	306.1	301.0	299.9	298.1	289.4	288.3	302.8	322.4	346.4	363.4
27.5°	354.0	350.7	347.4	343.5	340.6	324.6	302.8	315.9	339.1	373.2	394.2
30°	412.4	405.8	401.1	396.8	384.1	366.7	332.9	336.2	364.9	410.6	437.0
32.5°	477.6	470.8	463.5	453.3	450.1	421.8	378.6	369.9	397.5	454.1	481.6
35°	540.8	537.5	532.4	528.4	520.8	497.2	438.1	410.6	435.2	505.2	526.6
37.5°	614.0	607.8	608.2	604.9	600.6	580.6	499.8	459.5	475.8	554.2	567.6
40°	686.2	684.7	686.9	681.5	674.2	647.4	545.1	495.4	518.3	601.3	598.1
42.5°	754.4	755.5	752.9	746.8	738.8	693.8	574.1	525.9	556.3	642.7	622.4
45°	832.3	828.4	817.8	807.0	797.2	733.7	589.7	560.0	593.0	687.3	647.0
47.5°	906.0	890.4	881.3	864.6	845.4	770.0	610.7	595.9	633.6	729.3	670.6
50°	960.0	945.5	930.3	910.0	889.6	801.5	638.7	636.5	679.7	776.5	702.9
52.5°	984.7	971.3	956.4	935.7	915.4	824.4	676.0	676.0	734.1	838.9	747.5
55°	980.7	970.9	957.8	939.0	923.4	836.7	714.5	719.6	802.2	906.3	799.0
57.5°	959.6	954.2	946.6	933.5	920.8	846.1	759.8	763.1	893.6	971.3	847.6
60°	952.4	950.2	945.9	938.2	928.5	866.8	808.0	815.3	995.9	1030.7	875.1
62.5°	984.7	980.3	977.1	969.4	960.4	917.6	868.6	870.8	1092.0	1038.0	848.3
65°	1075.3	1067.4	1061.9	1051.8	1041.6	994.1	945.9	922.3	1139.2	970.2	757.3
67.5°	1265.4	1252.3	1236.7	1217.5	1189.6	1146.8	1022.4	929.5	1096.4	821.8	597.3
70°	1641.1	1612.8	1576.9	1535.9	1525.4	1400.7	1070.3	875.9	911.4	574.1	396.0
72.5°	2146.0	2116.6	2084.7	2050.9	1984.2	1710.0	1049.2	706.5	566.9	295.2	188.6
73°	2154.3	2134.4	2095.9	2056.7	2002.3	1704.6	1026.4	651.4	499.8	232.5	154.5
75°	1932.0	1924.0	1886.3	1810.8	1764.8	1439.8	755.8	377.5	218.7	143.6	100.5
77.5°	1253.8	1245.1	1223.7	1216.4	1131.6	933.5	338.4	146.9	119.0	95.4	71.1
80°	668.1	627.4	620.2	591.2	529.1	359.4	115.7	89.9	79.1	63.8	49.7
82.5°	270.9	253.5	247.0	223.8	210.4	107.7	58.0	62.4	53.0	37.7	30.5
85°	99.7	91.8	89.6	72.9	64.2	31.9	35.5	43.9	33.0	21.0	15.2
87.5°	34.5	29.7	25.8	19.9	18.5	13.1	19.6	23.9	21.0	12.7	7.3
90°	10.3	9.9	9.4	9.0	9.2	8.5	9.2	12.3	12.6	9.2	8.5
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



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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



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CATALOG NUMBER: IST-AF-350-LED-E1-T4FT-7050-ULG

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	371.7	371.7	371.7	371.7	371.7	371.7	371.7	371.7	371.7	371.7
2.5°	373.2	374.6	377.5	379.7	381.5	384.1	384.8	386.3	384.4	386.6
5°	371.7	376.1	381.5	386.6	391.3	395.3	397.1	397.5	397.9	399.3
7.5°	368.1	374.6	383.4	390.2	397.5	400.0	401.1	401.5	398.9	400.0
10°	360.9	371.4	382.3	390.6	394.2	392.4	389.5	384.8	382.6	382.6
12.5°	352.9	366.3	379.0	383.7	380.4	373.6	365.6	356.9	353.6	353.6
15°	346.4	363.4	373.9	370.7	361.2	348.2	337.3	328.2	325.3	324.2
17.5°	342.7	362.0	365.9	355.8	339.8	323.5	312.6	305.0	302.5	302.5
20°	345.6	363.4	356.9	338.0	318.1	303.2	293.8	288.7	286.2	287.2
22.5°	358.0	368.8	348.9	320.6	296.3	283.6	279.3	276.0	275.6	276.4
25°	378.6	376.1	342.0	302.5	276.0	266.9	266.6	265.5	265.1	264.8
27.5°	405.5	385.2	333.7	282.2	255.7	251.3	253.5	253.1	252.8	253.1
30°	441.0	393.1	321.3	260.0	236.5	236.5	239.7	238.6	237.2	237.6
32.5°	474.0	398.9	302.5	235.4	221.2	222.0	223.0	220.1	216.5	217.2
35°	502.3	398.9	277.1	213.3	205.6	205.6	206.4	203.8	200.9	199.8
37.5°	525.9	391.0	245.2	196.6	192.9	192.9	195.8	193.3	187.9	186.8
40°	540.0	373.6	215.8	184.2	186.8	187.1	183.2	178.8	173.7	172.6
42.5°	549.1	348.2	192.6	175.5	182.8	179.9	170.5	163.6	163.2	164.7
45°	557.1	319.5	174.1	166.8	178.4	172.3	159.6	153.0	155.2	156.7
47.5°	565.1	290.9	159.2	157.0	170.5	166.1	152.7	145.4	144.3	146.5
50°	583.9	251.0	142.2	145.4	160.7	159.2	146.5	138.2	131.3	130.9
52.5°	609.3	197.7	127.7	135.3	153.0	155.2	139.6	131.7	122.2	120.8
55°	637.6	151.6	115.7	127.3	145.8	149.4	137.1	125.1	115.0	113.5
57.5°	645.9	119.7	104.5	116.1	136.0	144.0	133.1	117.5	109.9	108.4
60°	617.3	99.4	95.0	106.6	126.2	138.5	126.9	111.7	104.8	103.7
62.5°	529.9	87.8	89.9	100.5	119.0	133.5	122.2	107.4	101.9	101.2
65°	404.4	79.8	85.6	95.4	112.4	128.8	119.0	105.5	101.2	100.5
67.5°	253.9	74.0	81.2	89.9	105.9	123.7	116.4	103.4	100.1	99.0
70°	140.7	67.8	75.4	83.8	99.4	119.0	113.2	100.1	99.7	97.6
72.5°	85.6	61.3	69.3	77.3	92.1	113.2	107.4	96.1	92.5	88.1
73°	81.6	60.6	67.8	75.8	90.3	111.7	106.3	94.7	91.0	86.7
75°	66.0	54.4	62.0	68.9	83.8	105.9	100.1	89.6	83.8	80.5
77.5°	48.6	46.4	53.7	60.2	75.4	97.9	91.4	82.0	75.1	73.3
80°	35.9	38.4	45.3	51.1	66.4	89.9	82.3	73.3	68.9	66.7
82.5°	24.3	29.7	36.3	41.0	58.8	81.2	72.9	64.2	67.1	55.9
85°	14.1	20.7	26.1	31.9	47.1	72.5	63.5	54.8	47.9	43.2
87.5°	9.4	11.6	16.0	21.8	34.1	56.9	50.4	42.8	31.2	31.2
90°	8.1	10.5	11.2	9.5	11.7	32.3	24.7	26.9	8.6	8.3
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: P226573

CATALOG NUMBER: IST-AF-350-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)