

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: P226571

Luminaire Tested: **IST-AF-350-LED-E1-T4FT-8030-ULG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P226571  
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-8030-ULG  
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE WITH UPLIGHT  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV FORWARD THROW, WITH UPLIGHT GLOW  
Light Source: (16) 3000K CCT, 80 CRI LEDs and (1) UPLIGHT LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

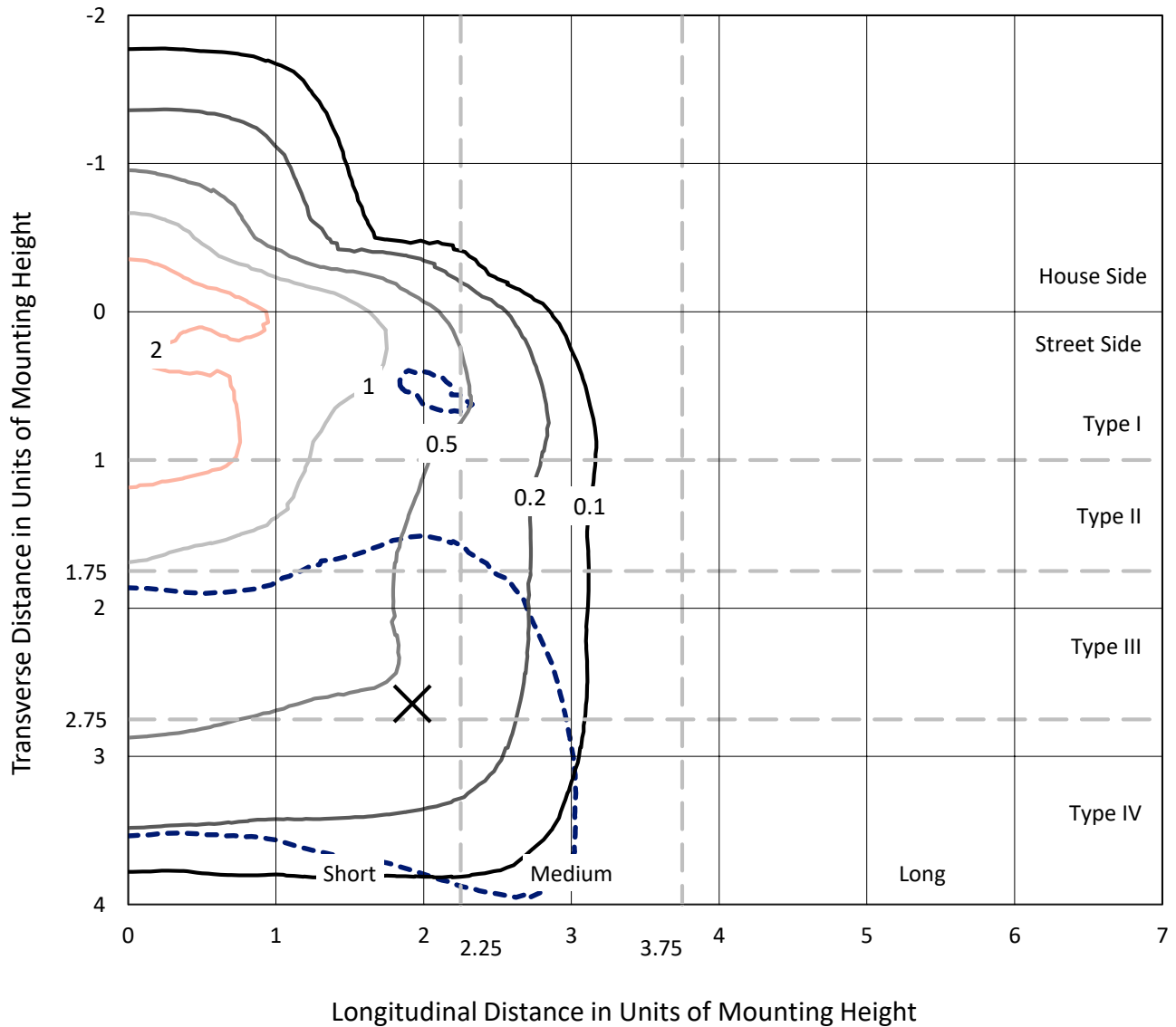
Lumens per Lamp: N/A  
Luminaire Lumens: 3801.7 lumens  
Efficiency: N/A  
Efficacy: 103.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U5 - G1  
  
Input Watts (W): 36.79  
Input Voltage (V): 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

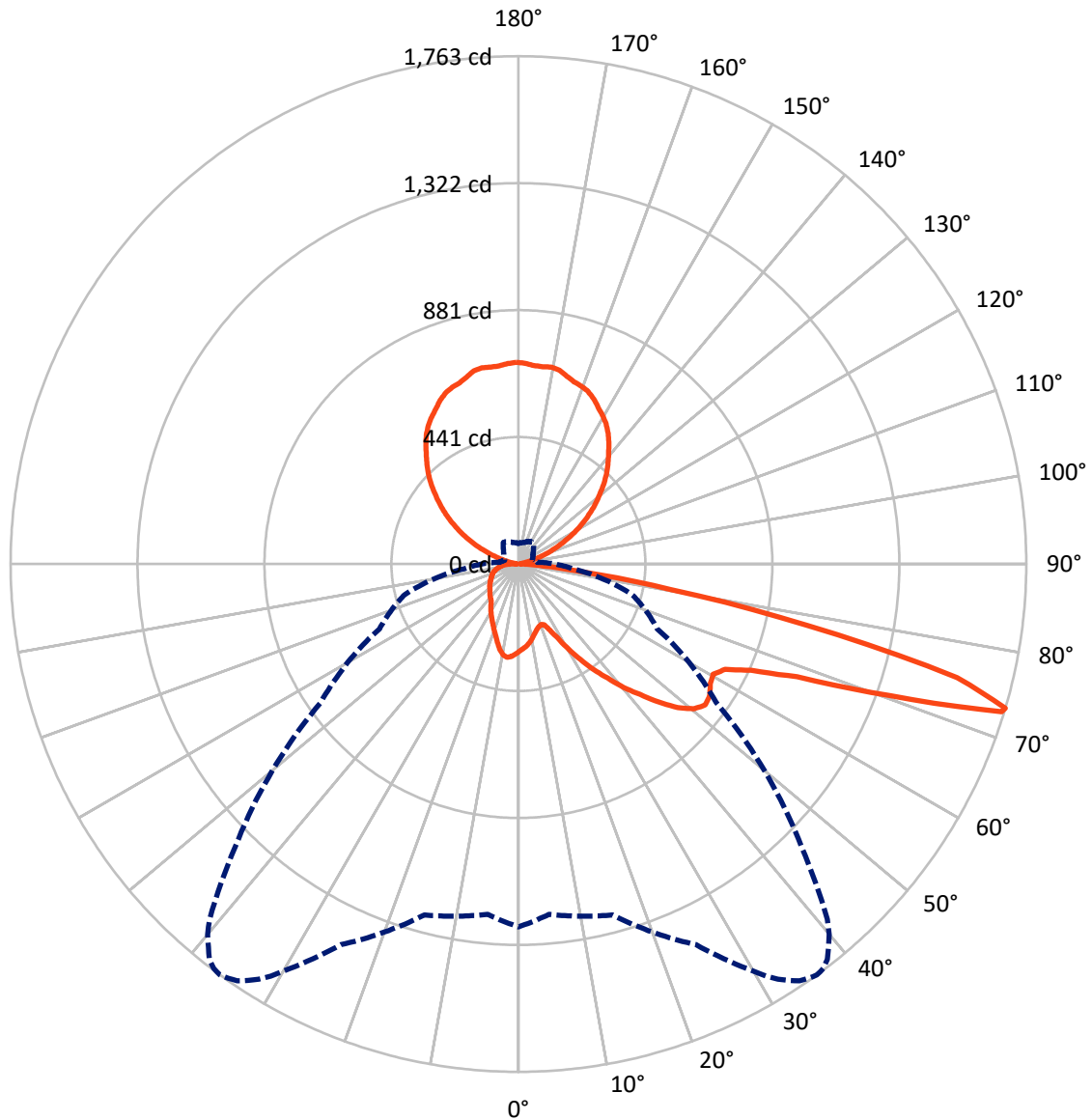
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 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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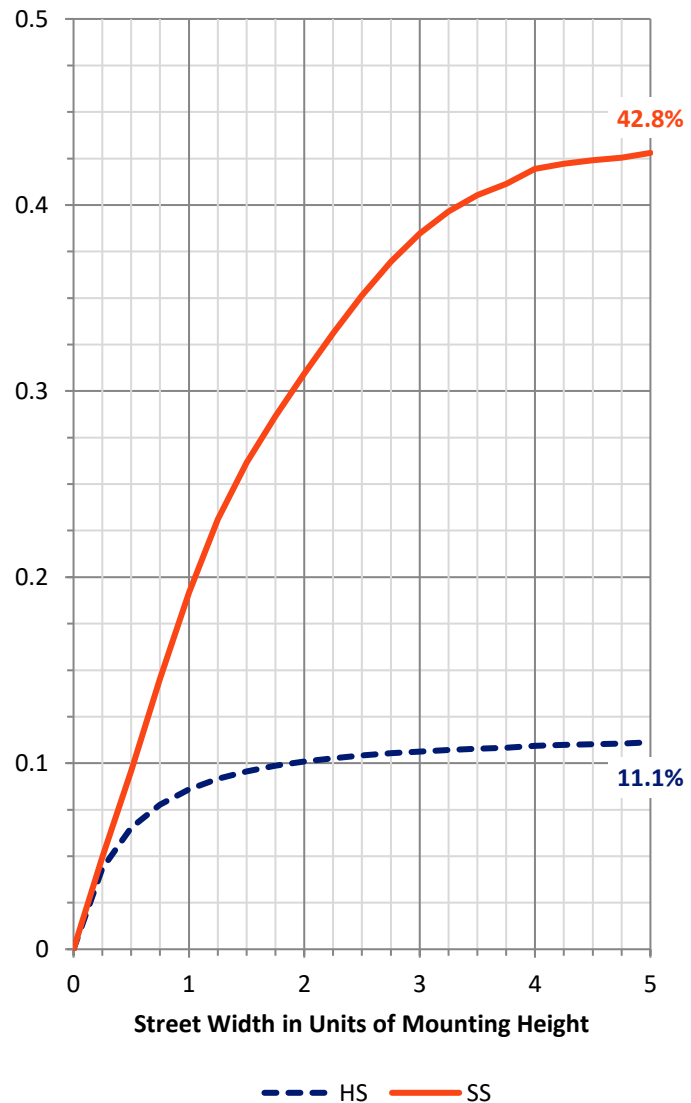
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	436.0	868.0	1304.1
	% Fixture	11.5	22.8	34.3
<b>Street Side</b>	Lumens	1629.8	867.7	2497.6
	% Fixture	42.9	22.8	65.7
<b>Total</b>	Lumens	2065.9	1735.8	3801.7
	% Fixture	54.3	45.7	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.6	0.8
10°-20°	75.7	2.0
20°-30°	124.0	3.3
30°-40°	205.5	5.4
40°-50°	301.9	7.9
50°-60°	380.7	10.0
60°-70°	498.5	13.1
70°-80°	403.6	10.6
80°-90°	47.5	1.2
90°-100°	9.9	0.3
100°-110°	57.4	1.5
110°-120°	166.1	4.4
120°-130°	273.2	7.2
130°-140°	336.8	8.9
140°-150°	344.6	9.1
150°-160°	290.3	7.6
160°-170°	191.2	5.0
170°-180°	66.3	1.7
0°-90°	2065.9	54.3
0°-180°	3801.7	100.0



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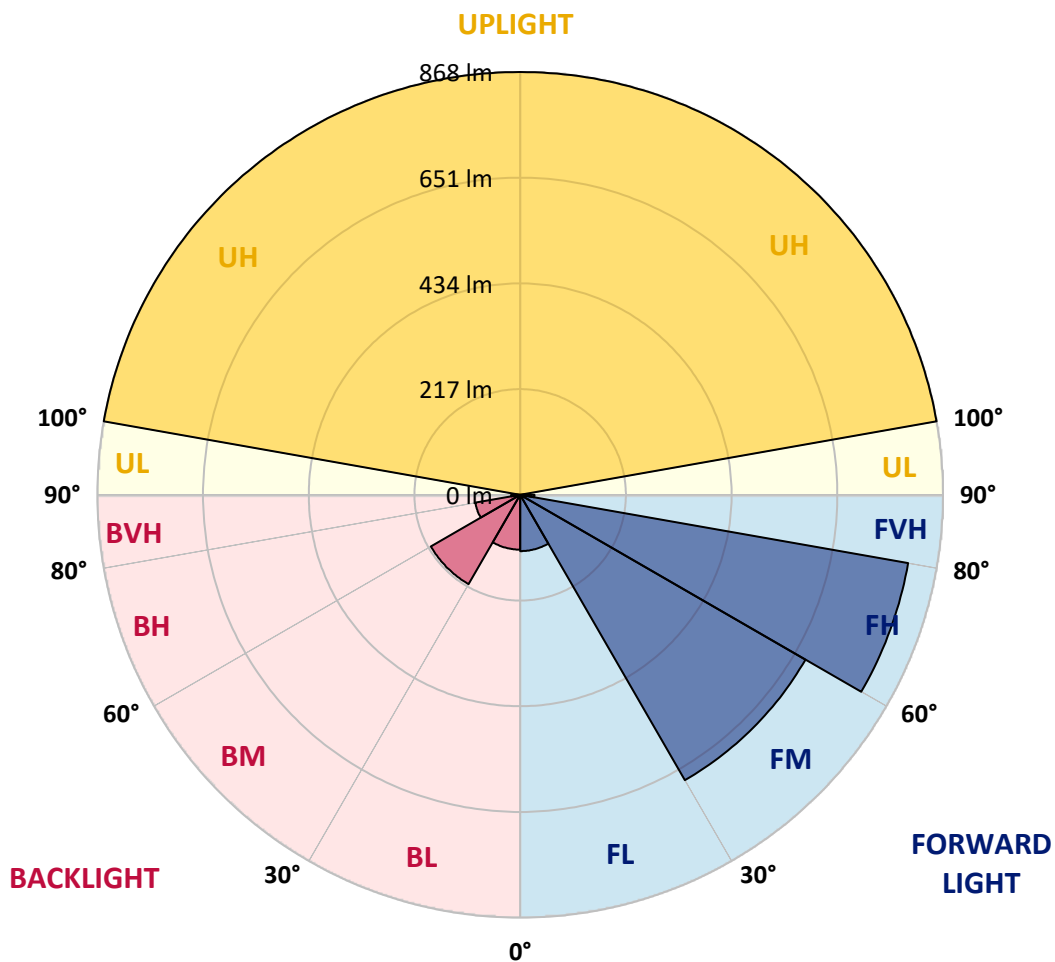
CATALOG NUMBER: IST-AF-350-LED-E1-T4FT-8030-ULG

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	115.6	3.0			
FM (30°-60°)	676.4	17.8			
FH (60°-80°)	808.7	21.3			G1/1800
FVH (80°-90°)	29.1	0.8			G1/100
BL (0°-30°)	112.6	3.0	B1/500		
BM (30°-60°)	211.7	5.6	B0/220		
BH (60°-80°)	93.5	2.5	B0/110		G0/110
BVH (80°-90°)	18.3	0.5			G1/100
UL (90°-100°)	9.9	0.3		U1/10	
UH (100°-180°)	868.0	22.8		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°	303.3	303.3	303.3	303.3	303.3	303.3	303.3	303.3	303.3	303.3	303.3
2.5°	292.4	293.0	293.6	293.6	293.6	294.5	294.2	294.2	294.5	294.8	294.8
5°	281.4	281.7	283.5	284.1	285.9	285.6	285.6	285.6	286.8	285.9	286.5
7.5°	269.0	269.6	271.4	273.5	274.9	275.2	274.9	274.3	275.8	276.4	275.8
10°	254.2	254.5	256.9	258.7	261.0	260.7	261.6	261.6	262.2	261.9	263.1
12.5°	246.8	246.2	245.0	245.9	246.5	246.5	246.5	247.4	247.1	247.7	248.6
15°	245.9	244.5	238.5	236.5	235.9	235.9	235.6	235.3	236.2	237.1	237.1
17.5°	250.1	247.1	235.6	229.7	228.5	227.9	228.2	227.6	227.6	228.8	228.5
20°	270.2	264.9	241.8	228.8	225.2	225.2	224.9	224.0	224.0	224.3	224.3
22.5°	321.4	314.6	274.3	247.4	235.0	234.7	233.8	232.9	230.5	229.9	228.8
25°	392.7	384.7	315.8	286.8	269.3	268.7	264.3	263.7	258.1	258.4	254.5
27.5°	448.1	442.7	371.1	332.6	316.1	312.5	310.4	305.1	300.4	296.5	291.8
30°	467.0	466.1	427.0	396.0	371.1	367.0	361.3	359.0	352.2	346.8	343.6
32.5°	496.9	497.8	481.5	447.2	425.6	421.4	416.7	411.1	406.3	402.8	395.1
35°	539.5	539.8	528.6	502.8	478.0	472.3	469.7	463.2	458.7	454.3	450.4
37.5°	569.1	570.6	562.6	542.8	528.0	520.0	519.7	514.9	509.9	506.1	502.5
40°	625.9	617.9	591.6	578.9	566.7	565.8	563.2	560.5	561.7	559.6	563.5
42.5°	683.3	673.3	636.6	618.5	611.1	612.6	611.7	612.0	615.6	614.7	618.8
45°	732.5	720.9	686.0	664.7	670.6	672.4	677.4	680.4	678.9	684.2	684.2
47.5°	781.6	754.7	713.2	723.0	727.1	740.8	744.3	743.4	748.4	750.8	744.3
50°	747.0	739.9	736.6	766.5	785.1	789.6	794.6	797.3	799.6	796.4	789.9
52.5°	673.9	673.3	719.1	792.2	807.9	813.8	818.6	820.7	819.8	818.0	812.7
55°	649.3	644.6	684.2	765.6	789.6	795.2	802.0	806.2	810.3	809.7	805.6
57.5°	682.7	678.9	679.2	742.2	765.6	770.6	775.1	779.8	781.0	784.8	785.1
60°	779.8	774.8	734.2	741.3	765.0	770.6	771.2	773.9	774.2	776.3	776.6
62.5°	919.8	910.6	848.8	795.5	803.8	806.4	808.5	807.9	806.7	805.3	805.3
65°	1073.1	1064.5	984.9	922.8	898.8	905.3	894.9	892.9	890.5	890.5	887.8
67.5°	1255.4	1239.1	1177.6	1107.7	1073.1	1076.4	1081.1	1063.0	1056.5	1057.1	1043.2
70°	1441.3	1424.1	1397.2	1396.3	1413.7	1406.0	1384.1	1413.1	1378.8	1370.5	1367.6
72.5°	1338.6	1318.1	1323.8	1491.0	1647.8	1673.3	1697.5	1720.0	1740.2	1752.3	1754.1
73°	1259.8	1221.1	1261.3	1457.8	1631.8	1669.4	1699.6	1723.6	1745.2	1756.1	1762.9
75°	629.2	631.3	829.5	1202.7	1426.2	1458.4	1505.5	1531.8	1570.9	1591.0	1573.2
77.5°	145.9	151.2	251.3	570.9	855.0	901.2	938.7	977.2	1022.5	1039.4	1024.6
80°	51.5	53.9	88.5	216.9	356.9	382.4	414.6	456.9	499.0	509.3	535.4
82.5°	27.2	29.9	46.8	94.1	152.4	166.6	174.9	192.4	207.2	216.0	220.8
85°	15.7	16.0	26.6	52.1	69.8	75.5	80.8	84.9	89.7	86.4	86.4
87.5°	6.2	6.8	13.6	24.6	33.7	37.6	37.6	37.6	37.3	32.8	29.9
90°	6.2	6.8	9.7	13.0	12.4	12.4	12.1	11.6	11.3	11.6	10.0
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°	303.3	303.3	303.3	303.3	303.3	303.3	303.3	303.3	303.3	303.3	303.3
2.5°	295.4	295.6	295.1	296.2	295.4	295.4	296.8	299.5	301.6	302.2	303.9
5°	287.1	287.4	287.4	287.7	287.4	288.0	290.6	293.0	297.1	299.2	301.9
7.5°	276.4	277.3	277.0	277.6	277.6	278.2	282.3	286.2	290.3	294.2	297.4
10°	263.7	264.3	265.5	264.9	264.9	266.6	271.1	276.7	281.7	287.4	291.2
12.5°	248.6	250.1	249.8	251.0	251.6	252.7	260.1	266.4	272.6	279.1	284.1
15°	236.8	237.6	238.2	238.5	238.5	241.2	248.6	256.3	264.6	272.3	277.6
17.5°	229.1	229.1	229.7	229.9	230.5	232.3	240.0	248.6	258.1	267.5	273.5
20°	224.6	224.6	224.9	225.2	225.2	227.3	234.4	244.2	254.5	266.6	273.7
22.5°	228.2	227.3	227.0	227.0	225.8	225.8	232.6	243.0	256.0	271.7	280.9
25°	252.4	249.8	245.6	244.7	243.3	236.2	235.3	247.1	263.1	282.6	296.5
27.5°	288.8	286.2	283.5	280.3	277.9	264.9	247.1	257.8	276.7	304.5	321.7
30°	336.5	331.2	327.3	323.8	313.4	299.2	271.7	274.3	297.7	335.0	356.6
32.5°	389.8	384.1	378.2	369.9	367.3	344.2	309.0	301.9	324.4	370.5	393.0
35°	441.3	438.6	434.4	431.2	425.0	405.7	357.5	335.0	355.1	412.3	429.7
37.5°	501.0	496.0	496.3	493.6	490.1	473.8	407.8	375.0	388.3	452.2	463.2
40°	559.9	558.7	560.5	556.1	550.2	528.3	444.8	404.3	422.9	490.7	488.0
42.5°	615.6	616.5	614.4	609.4	602.8	566.1	468.5	429.1	454.0	524.4	507.8
45°	679.2	675.9	667.4	658.5	650.5	598.7	481.2	456.9	483.9	560.8	528.0
47.5°	739.3	726.5	719.1	705.5	689.8	628.3	498.4	486.2	517.0	595.1	547.2
50°	783.4	771.5	759.1	742.5	726.0	654.0	521.2	519.4	554.6	633.6	573.5
52.5°	803.5	792.5	780.4	763.5	747.0	672.7	551.6	551.6	599.0	684.5	609.9
55°	800.2	792.2	781.6	766.2	753.5	682.7	583.0	587.2	654.6	739.6	652.0
57.5°	783.1	778.6	772.4	761.8	751.4	690.4	620.0	622.7	729.2	792.5	691.6
60°	777.2	775.4	771.8	765.6	757.6	707.3	659.4	665.3	812.7	841.1	714.1
62.5°	803.5	799.9	797.3	791.1	783.7	748.7	708.8	710.6	891.1	847.0	692.2
65°	877.5	871.0	866.5	858.2	850.0	811.2	771.8	752.6	929.6	791.7	617.9
67.5°	1032.6	1021.9	1009.2	993.5	970.7	935.8	834.3	758.5	894.6	670.6	487.4
70°	1339.2	1316.1	1286.8	1253.3	1244.7	1142.9	873.3	714.7	743.7	468.5	323.2
72.5°	1751.1	1727.1	1701.1	1673.6	1619.1	1395.4	856.2	576.5	462.6	240.9	153.9
73°	1757.9	1741.6	1710.3	1678.3	1633.9	1390.9	837.5	531.5	407.8	189.7	126.1
75°	1576.5	1570.0	1539.2	1477.7	1440.1	1174.9	616.7	308.1	178.5	117.2	82.0
77.5°	1023.1	1016.0	998.5	992.6	923.3	761.8	276.1	119.9	97.1	77.8	58.0
80°	545.1	512.0	506.1	482.4	431.8	293.3	94.4	73.4	64.5	52.1	40.5
82.5°	221.1	206.9	201.5	182.6	171.6	87.9	47.4	50.9	43.2	30.8	24.9
85°	81.4	74.9	73.1	59.5	52.4	26.0	29.0	35.8	26.9	17.2	12.4
87.5°	28.1	24.3	21.0	16.3	15.1	10.7	16.0	19.5	17.2	10.4	5.9
90°	9.9	9.5	9.1	8.7	8.9	8.2	8.8	11.7	12.0	8.8	8.2
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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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	303.3	303.3	303.3	303.3	303.3	303.3	303.3	303.3	303.3	303.3
2.5°	304.5	305.7	308.1	309.9	311.3	313.4	314.0	315.2	313.7	315.5
5°	303.3	306.9	311.3	315.5	319.3	322.6	324.1	324.4	324.7	325.8
7.5°	300.4	305.7	312.8	318.4	324.4	326.4	327.3	327.6	325.5	326.4
10°	294.5	303.0	311.9	318.7	321.7	320.2	317.8	314.0	312.2	312.2
12.5°	288.0	298.9	309.3	313.1	310.4	304.8	298.3	291.2	288.5	288.5
15°	282.6	296.5	305.1	302.5	294.8	284.1	275.2	267.8	265.5	264.6
17.5°	279.7	295.4	298.6	290.3	277.3	264.0	255.1	248.9	246.8	246.8
20°	282.0	296.5	291.2	275.8	259.5	247.4	239.7	235.6	233.5	234.4
22.5°	292.1	301.0	284.7	261.6	241.8	231.4	227.9	225.2	224.9	225.5
25°	309.0	306.9	279.1	246.8	225.2	217.8	217.5	216.6	216.3	216.0
27.5°	330.9	314.3	272.3	230.2	208.6	205.1	206.9	206.6	206.3	206.6
30°	359.9	320.8	262.2	212.2	193.0	193.0	195.6	194.7	193.5	193.8
32.5°	386.8	325.5	246.8	192.1	180.5	181.1	182.0	179.6	176.7	177.3
35°	409.9	325.5	226.1	174.0	167.8	167.8	168.4	166.3	164.0	163.1
37.5°	429.1	319.0	200.1	160.4	157.4	157.4	159.8	157.7	153.3	152.4
40°	440.7	304.8	176.1	150.3	152.4	152.7	149.5	145.9	141.8	140.9
42.5°	448.1	284.1	157.1	143.2	149.2	146.8	139.1	133.5	133.2	134.4
45°	454.6	260.7	142.1	136.1	145.6	140.6	130.2	124.9	126.7	127.8
47.5°	461.1	237.3	129.9	128.1	139.1	135.5	124.6	118.7	117.8	119.6
50°	476.5	204.8	116.0	118.7	131.1	129.9	119.6	112.8	107.1	106.8
52.5°	497.2	161.3	104.2	110.4	124.9	126.7	113.9	107.4	99.7	98.5
55°	520.3	123.7	94.4	103.9	119.0	121.9	111.9	102.1	93.8	92.6
57.5°	527.1	97.7	85.2	94.7	111.0	117.5	108.6	95.9	89.7	88.5
60°	503.7	81.1	77.5	87.0	103.0	113.1	103.6	91.2	85.5	84.6
62.5°	432.4	71.6	73.4	82.0	97.1	108.9	99.7	87.6	83.2	82.6
65°	330.0	65.1	69.8	77.8	91.7	105.1	97.1	86.1	82.6	82.0
67.5°	207.2	60.4	66.3	73.4	86.4	100.9	95.0	84.3	81.7	80.8
70°	114.8	55.3	61.6	68.4	81.1	97.1	92.3	81.7	81.4	79.6
72.5°	69.8	50.0	56.5	63.0	75.2	92.3	87.6	78.4	75.5	71.9
73°	66.6	49.4	55.3	61.9	73.7	91.2	86.7	77.2	74.3	70.7
75°	53.9	44.4	50.6	56.2	68.4	86.4	81.7	73.1	68.4	65.7
77.5°	39.7	37.9	43.8	49.1	61.6	79.9	74.6	66.9	61.3	59.8
80°	29.3	31.4	37.0	41.7	54.2	73.4	67.2	59.8	56.2	54.5
82.5°	19.8	24.3	29.6	33.4	47.9	66.3	59.5	52.4	54.7	45.6
85°	11.5	16.9	21.3	26.0	38.5	59.2	51.8	44.7	39.1	35.2
87.5°	7.7	9.5	13.0	17.8	27.8	46.5	41.1	34.9	25.5	25.5
90°	7.9	10.2	10.8	9.1	10.8	27.8	21.6	23.3	8.0	7.7
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: P226571

CATALOG NUMBER: IST-AF-350-LED-E1-T4FT-8030-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)