

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: P226574

Luminaire Tested: **IST-AF-350-LED-E1-T4FT-7030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226574
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-7030-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, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3976.8 lumens
Efficiency: N/A
Efficacy: 108.1 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

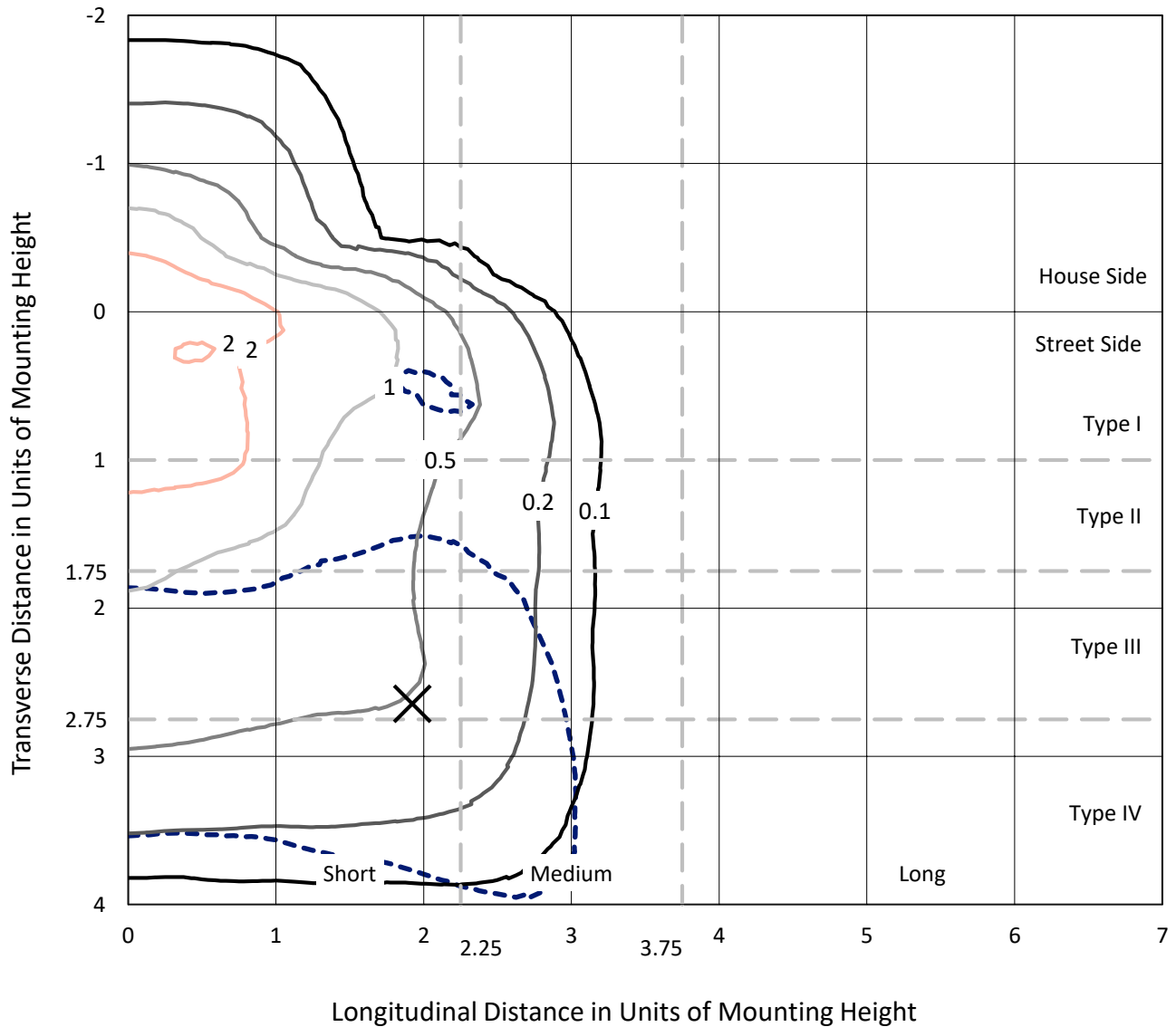


REPORT NUMBER: P226574

CATALOG NUMBER: IST-AF-350-LED-E1-T4FT-7030-ULG

Iso-Footcandle Lines of Horizontal Illumination

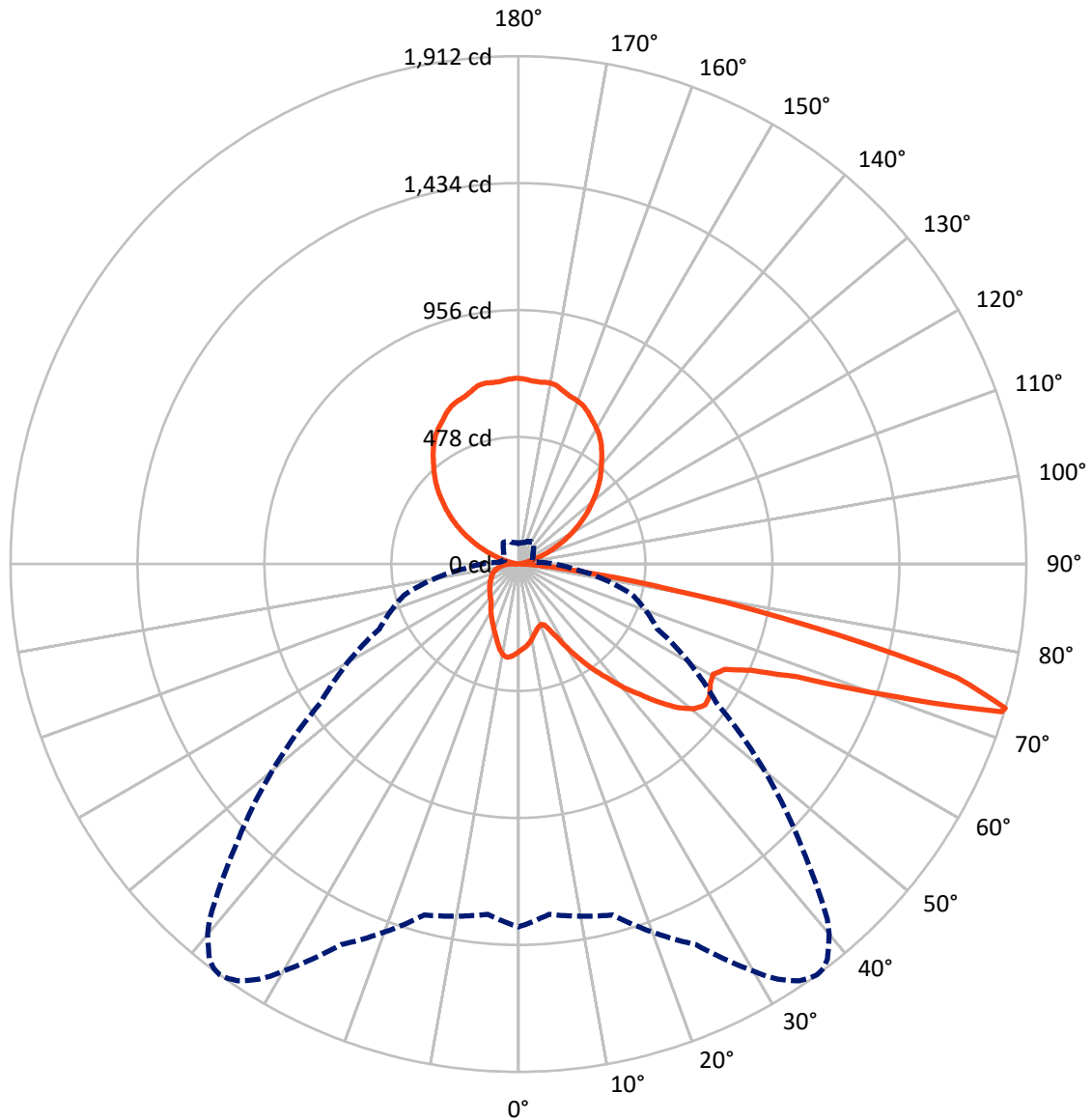
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P226574
CATALOG NUMBER: IST-AF-350-LED-E1-T4FT-7030-ULG

Luminous Intensity Polar Plot



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

REPORT NUMBER: P226574

CATALOG NUMBER: IST-AF-350-LED-E1-T4FT-7030-ULG

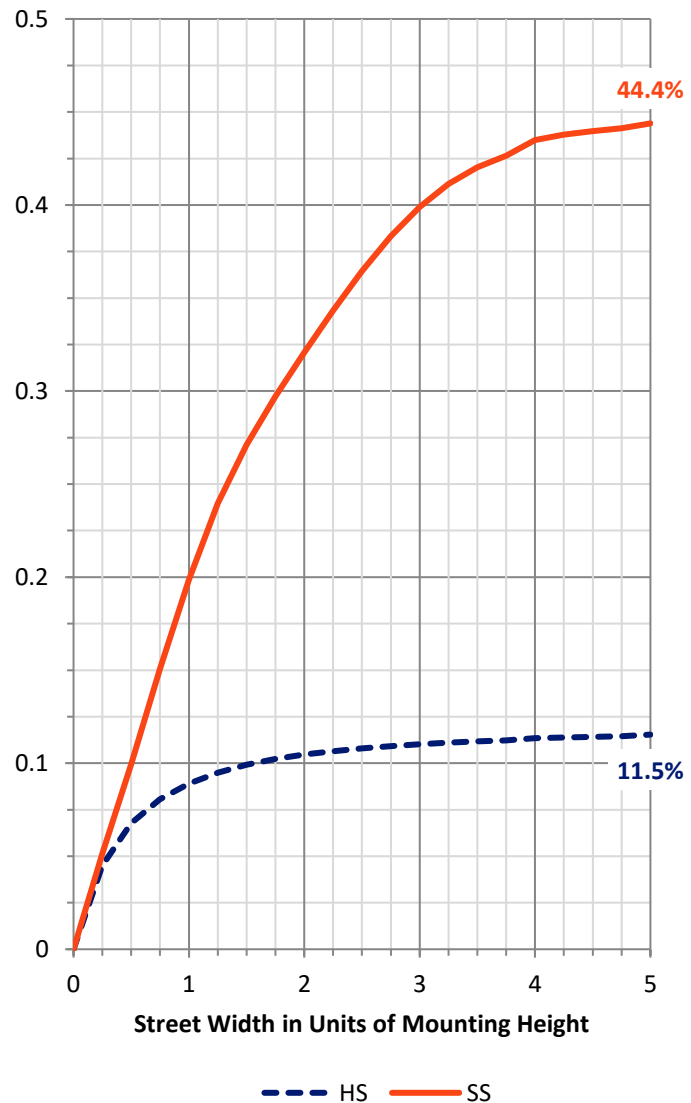
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	473.0	868.1	1341.1
	% Fixture	11.9	21.8	33.7
Street Side	Lumens	1768.0	867.8	2635.8
	% Fixture	44.5	21.8	66.3
Total	Lumens	2241.0	1735.8	3976.8
	% Fixture	56.4	43.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.0	0.8
10°-20°	82.1	2.1
20°-30°	134.5	3.4
30°-40°	222.9	5.6
40°-50°	327.5	8.2
50°-60°	413.0	10.4
60°-70°	540.8	13.6
70°-80°	437.8	11.0
80°-90°	51.4	1.3
90°-100°	10.0	0.3
100°-110°	57.4	1.4
110°-120°	166.1	4.2
120°-130°	273.2	6.9
130°-140°	336.8	8.5
140°-150°	344.6	8.7
150°-160°	290.3	7.3
160°-170°	191.2	4.8
170°-180°	66.3	1.7
0°-90°	2241.0	56.4
0°-180°	3976.8	100.0



REPORT NUMBER: P226574

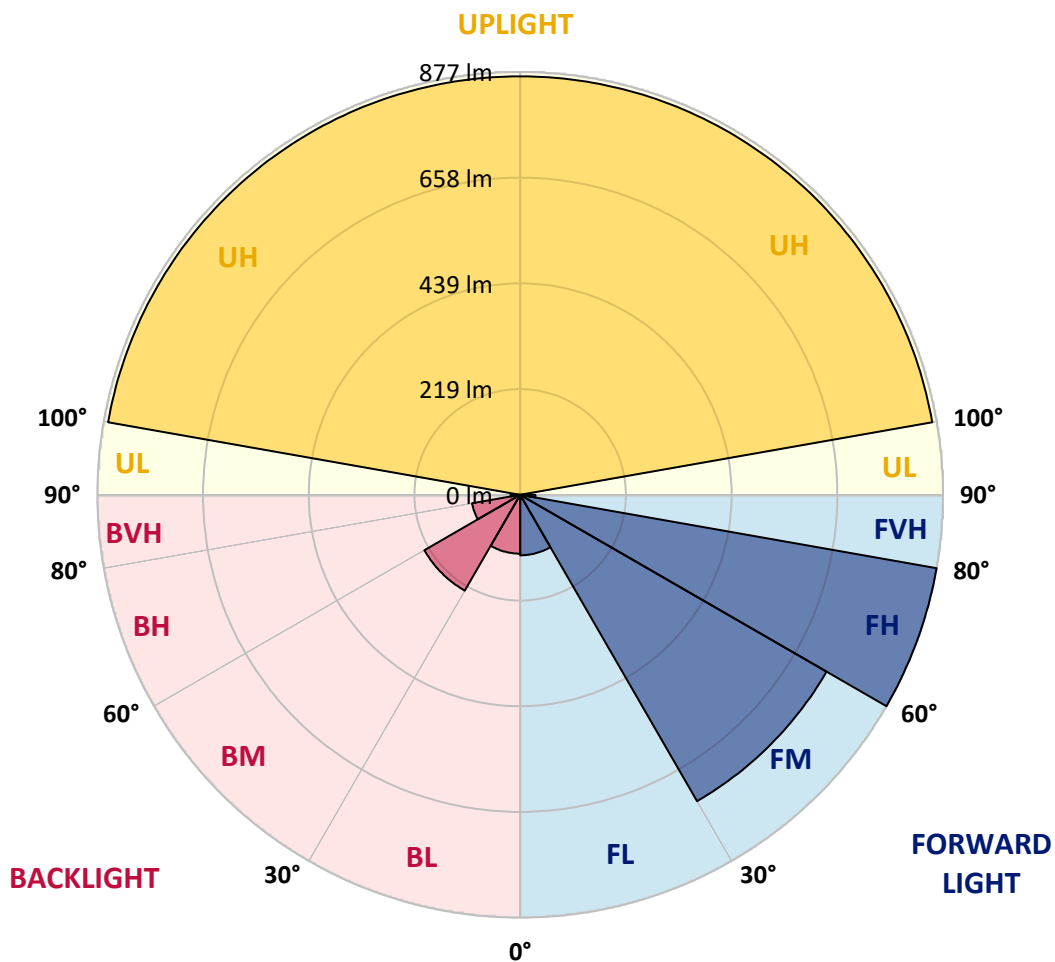
CATALOG NUMBER: IST-AF-350-LED-E1-T4FT-7030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	125.4	3.2			
FM	(30°-60°)	733.8	18.5			
FH	(60°-80°)	877.2	22.1			G1/1800
FVH	(80°-90°)	31.6	0.8			G1/100
BL	(0°-30°)	122.1	3.1	B1/500		
BM	(30°-60°)	229.6	5.8	B1/1000		
BH	(60°-80°)	101.4	2.5	B0/110		G0/110
BVH	(80°-90°)	19.8	0.5			G1/100
UL	(90°-100°)	10.0	0.3		U1/10	
UH	(100°-180°)	868.1	21.8		U4/1000	

BUG Rating: B1-U5-G1

Type IV Short





REPORT NUMBER: P226574

CATALOG NUMBER: IST-AF-350-LED-E1-T4FT-7030-ULG

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
0°	329.1	329.1	329.1	329.1	329.1	329.1	329.1	329.1	329.1	329.1	329.1
2.5°	317.2	317.8	318.5	318.5	318.5	319.4	319.1	319.1	319.4	319.8	319.8
5°	305.3	305.6	307.6	308.2	310.1	309.8	309.8	309.8	311.1	310.1	310.8
7.5°	291.8	292.5	294.4	296.6	298.2	298.6	298.2	297.6	299.2	299.9	299.2
10°	275.8	276.1	278.7	280.6	283.2	282.8	283.8	283.8	284.4	284.1	285.4
12.5°	267.7	267.1	265.8	266.8	267.4	267.4	267.4	268.4	268.1	268.7	269.7
15°	266.8	265.2	258.8	256.5	255.9	255.9	255.5	255.2	256.2	257.2	257.2
17.5°	271.3	268.1	255.5	249.1	247.8	247.2	247.5	246.9	246.9	248.2	247.8
20°	293.1	287.3	262.3	248.2	244.3	244.3	244.0	243.0	243.0	243.4	243.4
22.5°	348.7	341.3	297.6	268.4	254.9	254.6	253.6	252.7	250.1	249.4	248.2
25°	426.0	417.4	342.6	311.1	292.1	291.5	286.7	286.0	279.9	280.3	276.1
27.5°	486.1	480.3	402.6	360.9	342.9	339.0	336.8	331.0	325.9	321.7	316.5
30°	506.6	505.6	463.3	429.6	402.6	398.1	392.0	389.4	382.0	376.3	372.7
32.5°	539.0	540.0	522.3	485.1	461.7	457.2	452.0	445.9	440.8	436.9	428.6
35°	585.3	585.6	573.4	545.5	518.5	512.4	509.5	502.4	497.6	492.8	488.6
37.5°	617.4	619.0	610.3	588.8	572.7	564.1	563.8	558.6	553.2	549.0	545.1
40°	679.0	670.3	641.8	628.0	614.8	613.8	610.9	608.1	609.3	607.1	611.3
42.5°	741.3	730.4	690.6	671.0	663.0	664.6	663.6	663.9	667.8	666.8	671.3
45°	794.6	782.1	744.2	721.1	727.5	729.4	734.9	738.1	736.5	742.2	742.2
47.5°	847.9	818.7	773.7	784.3	788.8	803.6	807.4	806.5	811.9	814.5	807.4
50°	810.3	802.6	799.1	831.5	851.7	856.5	862.0	864.9	867.5	863.9	856.9
52.5°	731.0	730.4	780.1	859.4	876.4	882.9	888.0	890.3	889.3	887.4	881.6
55°	704.4	699.2	742.2	830.5	856.5	862.6	870.0	874.5	879.0	878.4	873.9
57.5°	740.6	736.5	736.8	805.2	830.5	836.0	840.8	845.9	847.2	851.4	851.7
60°	845.9	840.5	796.5	804.2	829.9	836.0	836.6	839.5	839.8	842.1	842.4
62.5°	997.8	987.8	920.7	863.0	872.0	874.8	877.1	876.4	875.2	873.6	873.6
65°	1164.1	1154.8	1068.4	1001.0	975.0	982.1	970.8	968.6	966.0	966.0	963.1
67.5°	1361.9	1344.2	1277.4	1201.7	1164.1	1167.6	1172.8	1153.2	1146.1	1146.8	1131.7
70°	1563.5	1544.9	1515.6	1514.7	1533.6	1525.3	1501.5	1533.0	1495.7	1486.7	1483.5
72.5°	1452.1	1429.9	1436.0	1617.4	1787.6	1815.2	1841.5	1865.9	1887.7	1900.9	1902.8
73°	1366.7	1324.6	1368.3	1581.5	1770.2	1811.0	1843.7	1869.7	1893.2	1905.1	1912.4
75°	682.5	684.8	899.9	1304.7	1547.1	1582.1	1633.1	1661.7	1704.1	1725.9	1706.7
77.5°	158.3	164.1	272.6	619.3	927.5	977.6	1018.3	1060.1	1109.2	1127.5	1111.4
80°	55.9	58.4	96.0	235.3	387.2	414.8	449.8	495.7	541.3	552.5	580.8
82.5°	29.5	32.4	50.7	102.1	165.3	180.7	189.7	208.7	224.7	234.4	239.5
85°	17.0	17.3	28.9	56.5	75.8	81.9	87.6	92.1	97.3	93.7	93.7
87.5°	6.7	7.4	14.8	26.6	36.6	40.8	40.8	40.8	40.5	35.6	32.4
90°	6.3	6.9	9.9	13.5	12.8	12.8	12.5	11.9	11.5	11.9	10.1
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



REPORT NUMBER: P226574

CATALOG NUMBER: IST-AF-350-LED-E1-T4FT-7030-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: P226574

CATALOG NUMBER: IST-AF-350-LED-E1-T4FT-7030-ULG

CANDELA DISTRIBUTION (continued):

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
0°	329.1	329.1	329.1	329.1	329.1	329.1	329.1	329.1	329.1	329.1	329.1
2.5°	320.4	320.7	320.1	321.4	320.4	320.4	322.0	324.9	327.1	327.8	329.7
5°	311.4	311.7	311.7	312.1	311.7	312.4	315.3	317.8	322.3	324.6	327.5
7.5°	299.9	300.8	300.5	301.1	301.1	301.8	306.3	310.4	314.9	319.1	322.6
10°	286.0	286.7	288.0	287.3	287.3	289.3	294.1	300.2	305.6	311.7	315.9
12.5°	269.7	271.3	271.0	272.2	272.9	274.2	282.2	288.9	295.7	302.7	308.2
15°	256.8	257.8	258.4	258.8	258.8	261.6	269.7	278.0	287.0	295.4	301.1
17.5°	248.5	248.5	249.1	249.4	250.1	252.0	260.4	269.7	279.9	290.2	296.6
20°	243.7	243.7	244.0	244.3	244.3	246.6	254.3	264.9	276.1	289.3	297.0
22.5°	247.5	246.6	246.2	246.2	245.0	245.0	252.3	263.6	277.7	294.7	304.7
25°	273.8	271.0	266.5	265.5	263.9	256.2	255.2	268.1	285.4	306.6	321.7
27.5°	313.3	310.4	307.6	304.0	301.5	287.3	268.1	279.6	300.2	330.4	349.0
30°	365.0	359.2	355.1	351.2	340.0	324.6	294.7	297.6	323.0	363.4	386.9
32.5°	422.8	416.7	410.3	401.3	398.4	373.4	335.2	327.5	351.9	401.9	426.3
35°	478.7	475.8	471.3	467.8	461.0	440.1	387.8	363.4	385.3	447.2	466.2
37.5°	543.5	538.1	538.4	535.5	531.6	514.0	442.4	406.8	421.2	490.6	502.4
40°	607.4	606.1	608.1	603.2	596.8	573.1	482.5	438.5	458.8	532.3	529.4
42.5°	667.8	668.7	666.5	661.0	654.0	614.2	508.2	465.5	492.5	568.9	550.9
45°	736.8	733.3	724.0	714.3	705.7	649.5	522.0	495.7	524.9	608.4	572.7
47.5°	802.0	788.2	780.1	765.4	748.3	681.6	540.6	527.5	560.9	645.6	593.6
50°	849.8	837.0	823.5	805.5	787.5	709.5	565.4	563.4	601.6	687.4	622.2
52.5°	871.6	859.8	846.6	828.3	810.3	729.7	598.4	598.4	649.8	742.6	661.7
55°	868.1	859.4	847.9	831.2	817.4	740.6	632.5	636.9	710.1	802.3	707.3
57.5°	849.5	844.7	837.9	826.4	815.1	749.0	672.6	675.5	791.0	859.8	750.3
60°	843.1	841.1	837.3	830.5	821.9	767.3	715.3	721.7	881.6	912.4	774.7
62.5°	871.6	867.8	864.9	858.1	850.1	812.2	768.9	770.8	966.7	918.8	750.9
65°	951.9	944.8	940.0	931.0	922.0	880.0	837.3	816.4	1008.4	858.8	670.3
67.5°	1120.1	1108.6	1094.8	1077.7	1053.0	1015.1	905.0	822.8	970.5	727.5	528.8
70°	1452.7	1427.7	1395.9	1359.6	1350.3	1239.9	947.4	775.3	806.8	508.2	350.6
72.5°	1899.6	1873.6	1845.4	1815.5	1756.4	1513.7	928.8	625.4	501.8	261.3	166.9
73°	1907.0	1889.3	1855.3	1820.6	1772.5	1508.9	908.5	576.6	442.4	205.8	136.8
75°	1710.2	1703.1	1669.7	1603.0	1562.2	1274.5	669.1	334.2	193.6	127.1	88.9
77.5°	1109.8	1102.1	1083.2	1076.8	1001.7	826.4	299.5	130.0	105.3	84.4	62.9
80°	591.4	555.4	549.0	523.3	468.4	318.2	102.4	79.6	70.0	56.5	44.0
82.5°	239.8	224.4	218.6	198.1	186.2	95.3	51.4	55.2	46.9	33.4	27.0
85°	88.3	81.2	79.3	64.5	56.8	28.3	31.5	38.8	29.2	18.6	13.5
87.5°	30.5	26.3	22.8	17.7	16.4	11.6	17.3	21.2	18.6	11.2	6.4
90°	10.0	9.6	9.2	8.8	9.0	8.3	8.9	11.9	12.2	8.9	8.3
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: P226574

CATALOG NUMBER: IST-AF-350-LED-E1-T4FT-7030-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: P226574

CATALOG NUMBER: IST-AF-350-LED-E1-T4FT-7030-ULG

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	329.1	329.1	329.1	329.1	329.1	329.1	329.1	329.1	329.1	329.1
2.5°	330.4	331.6	334.2	336.1	337.7	340.0	340.6	341.9	340.3	342.2
5°	329.1	332.9	337.7	342.2	346.4	349.9	351.5	351.9	352.2	353.5
7.5°	325.9	331.6	339.3	345.4	351.9	354.1	355.1	355.4	353.1	354.1
10°	319.4	328.7	338.4	345.8	349.0	347.4	344.8	340.6	338.7	338.7
12.5°	312.4	324.3	335.5	339.7	336.8	330.7	323.6	315.9	313.0	313.0
15°	306.6	321.7	331.0	328.1	319.8	308.2	298.6	290.5	288.0	287.0
17.5°	303.4	320.4	323.9	314.9	300.8	286.4	276.7	270.0	267.7	267.7
20°	306.0	321.7	315.9	299.2	281.6	268.4	260.0	255.5	253.3	254.3
22.5°	316.9	326.5	308.8	283.8	262.3	251.1	247.2	244.3	244.0	244.6
25°	335.2	332.9	302.7	267.7	244.3	236.3	236.0	235.0	234.7	234.4
27.5°	358.9	340.9	295.4	249.8	226.3	222.5	224.4	224.1	223.8	224.1
30°	390.4	348.0	284.4	230.2	209.3	209.3	212.2	211.2	210.0	210.3
32.5°	419.6	353.1	267.7	208.4	195.8	196.5	197.4	194.9	191.7	192.3
35°	444.6	353.1	245.3	188.8	182.0	182.0	182.7	180.4	177.9	176.9
37.5°	465.5	346.1	217.0	174.0	170.8	170.8	173.4	171.1	166.3	165.3
40°	478.0	330.7	191.0	163.1	165.3	165.7	162.1	158.3	153.8	152.8
42.5°	486.1	308.2	170.5	155.4	161.8	159.2	150.9	144.8	144.5	145.8
45°	493.1	282.8	154.1	147.7	158.0	152.5	141.3	135.5	137.4	138.7
47.5°	500.2	257.5	140.9	139.0	150.9	147.0	135.2	128.7	127.8	129.7
50°	516.9	222.2	125.8	128.7	142.2	140.9	129.7	122.3	116.2	115.9
52.5°	539.4	175.0	113.0	119.7	135.5	137.4	123.6	116.5	108.2	106.9
55°	564.4	134.2	102.4	112.7	129.1	132.3	121.4	110.8	101.8	100.5
57.5°	571.8	105.9	92.5	102.7	120.4	127.5	117.8	104.0	97.3	96.0
60°	546.4	88.0	84.1	94.4	111.7	122.6	112.4	98.9	92.8	91.8
62.5°	469.0	77.7	79.6	88.9	105.3	118.1	108.2	95.0	90.2	89.6
65°	358.0	70.6	75.8	84.4	99.5	114.0	105.3	93.4	89.6	88.9
67.5°	224.7	65.5	71.9	79.6	93.7	109.5	103.1	91.5	88.6	87.6
70°	124.6	60.0	66.8	74.2	88.0	105.3	100.2	88.6	88.3	86.4
72.5°	75.8	54.3	61.3	68.4	81.5	100.2	95.0	85.1	81.9	78.0
73°	72.2	53.6	60.0	67.1	79.9	98.9	94.1	83.8	80.6	76.7
75°	58.4	48.2	54.9	61.0	74.2	93.7	88.6	79.3	74.2	71.3
77.5°	43.0	41.1	47.5	53.3	66.8	86.7	80.9	72.6	66.5	64.9
80°	31.8	34.0	40.1	45.3	58.8	79.6	72.9	64.9	61.0	59.1
82.5°	21.5	26.3	32.1	36.3	52.0	71.9	64.5	56.8	59.4	49.4
85°	12.5	18.3	23.1	28.3	41.7	64.2	56.2	48.5	42.4	38.2
87.5°	8.3	10.3	14.1	19.3	30.2	50.4	44.6	37.9	27.6	27.6
90°	8.0	10.3	10.9	9.2	11.2	29.5	22.8	24.7	8.2	7.9
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: P226574

CATALOG NUMBER: IST-AF-350-LED-E1-T4FT-7030-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)