

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: P227480

Luminaire Tested: **IST-AF-350-LED-E1-RW-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227480
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29767)-DOWNLIGHT AND
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: IST-AF-350-LED-E1-RW-ULG
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-RECTANGULAR WIDE TYPE I, WITH UPLIGHT
GLOW
Light Source: (16) 4000K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4297.8 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U5 - G1

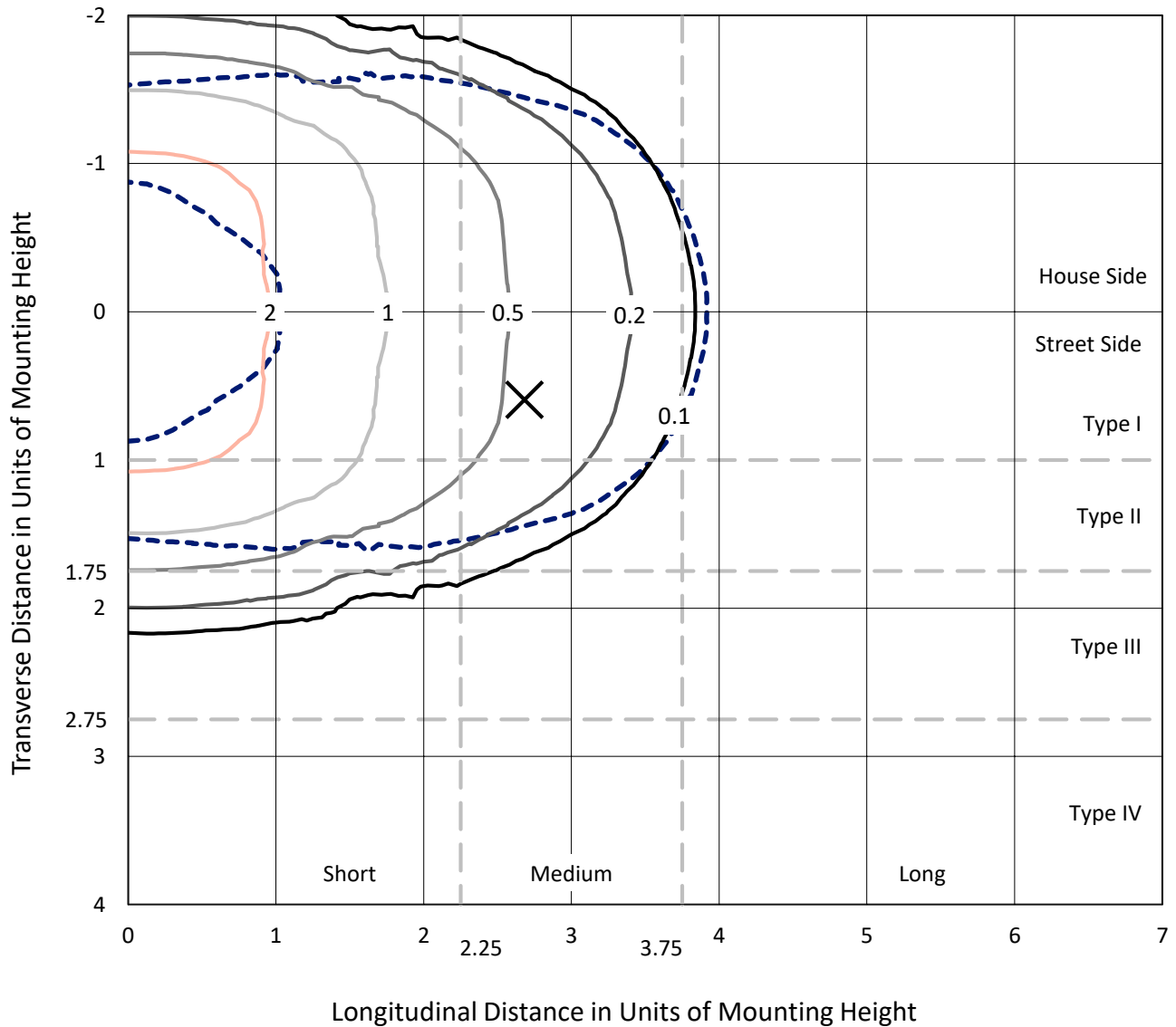
Input Watts (W): 36.79
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P227480
 CATALOG NUMBER: IST-AF-350-LED-E1-RW-ULG

Iso-Footcandle Lines of Horizontal Illumination

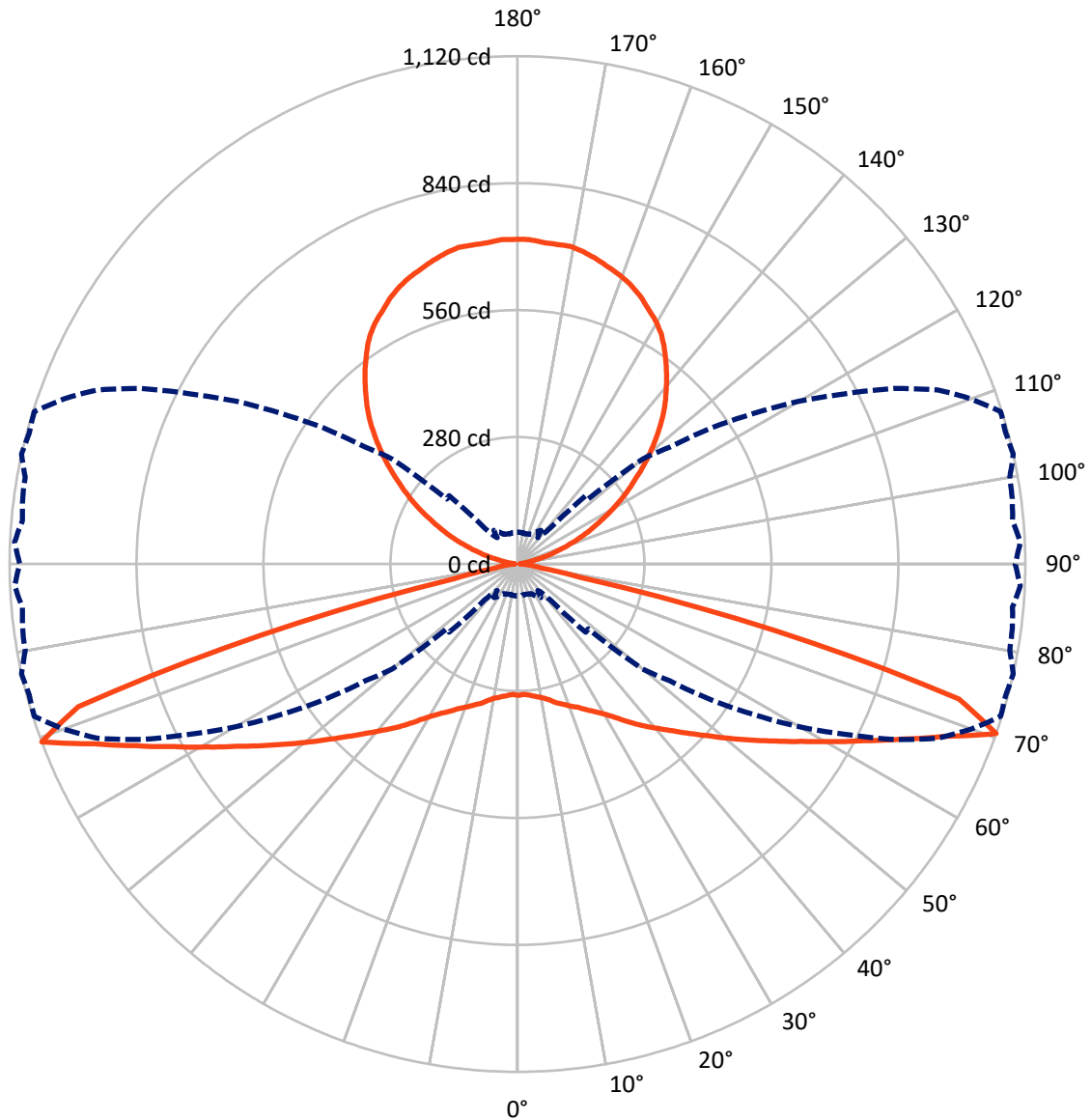
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P227480
CATALOG NUMBER: IST-AF-350-LED-E1-RW-ULG

Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P227480

CATALOG NUMBER: IST-AF-350-LED-E1-RW-ULG

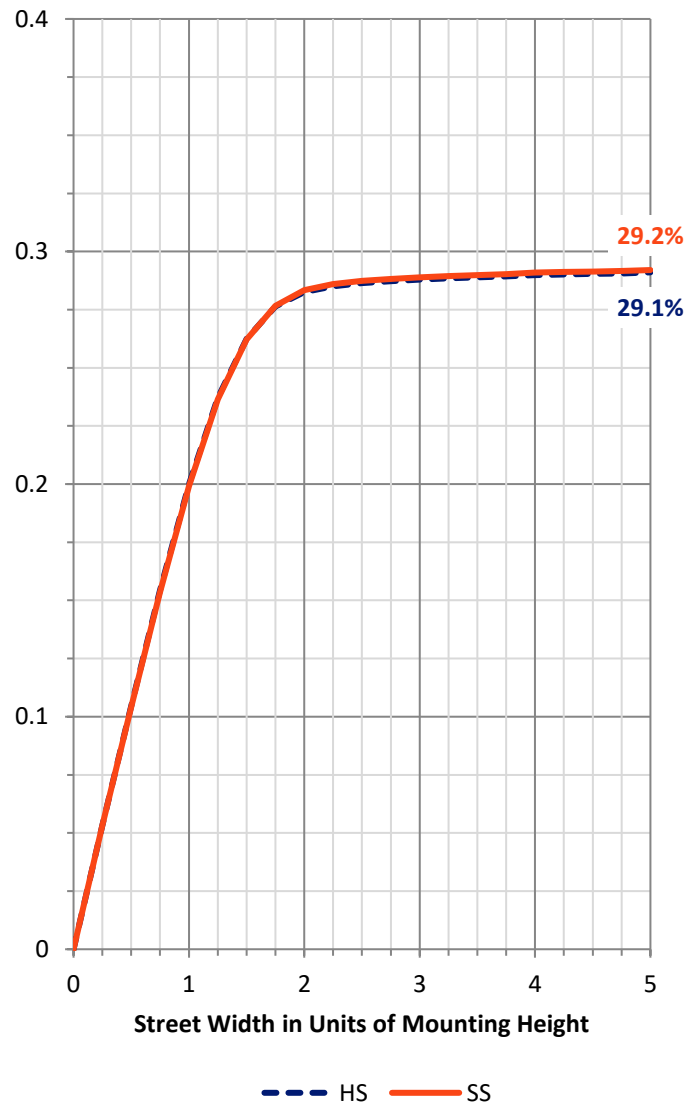
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1261.2	887.7	2148.9
	% Fixture	29.3	20.7	50.0
Street Side	Lumens	1261.2	887.7	2148.9
	% Fixture	29.3	20.7	50.0
Total	Lumens	2522.5	1775.4	4297.8
	% Fixture	58.7	41.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.0	0.7
10°-20°	87.6	2.0
20°-30°	164.4	3.8
30°-40°	287.2	6.7
40°-50°	468.2	10.9
50°-60°	640.7	14.9
60°-70°	589.4	13.7
70°-80°	230.4	5.4
80°-90°	26.7	0.6
90°-100°	9.9	0.2
100°-110°	58.7	1.4
110°-120°	169.9	4.0
120°-130°	279.4	6.5
130°-140°	344.6	8.0
140°-150°	352.5	8.2
150°-160°	297.0	6.9
160°-170°	195.5	4.5
170°-180°	67.8	1.6
0°-90°	2522.5	58.7
0°-180°	4297.8	100.0



REPORT NUMBER: P227480

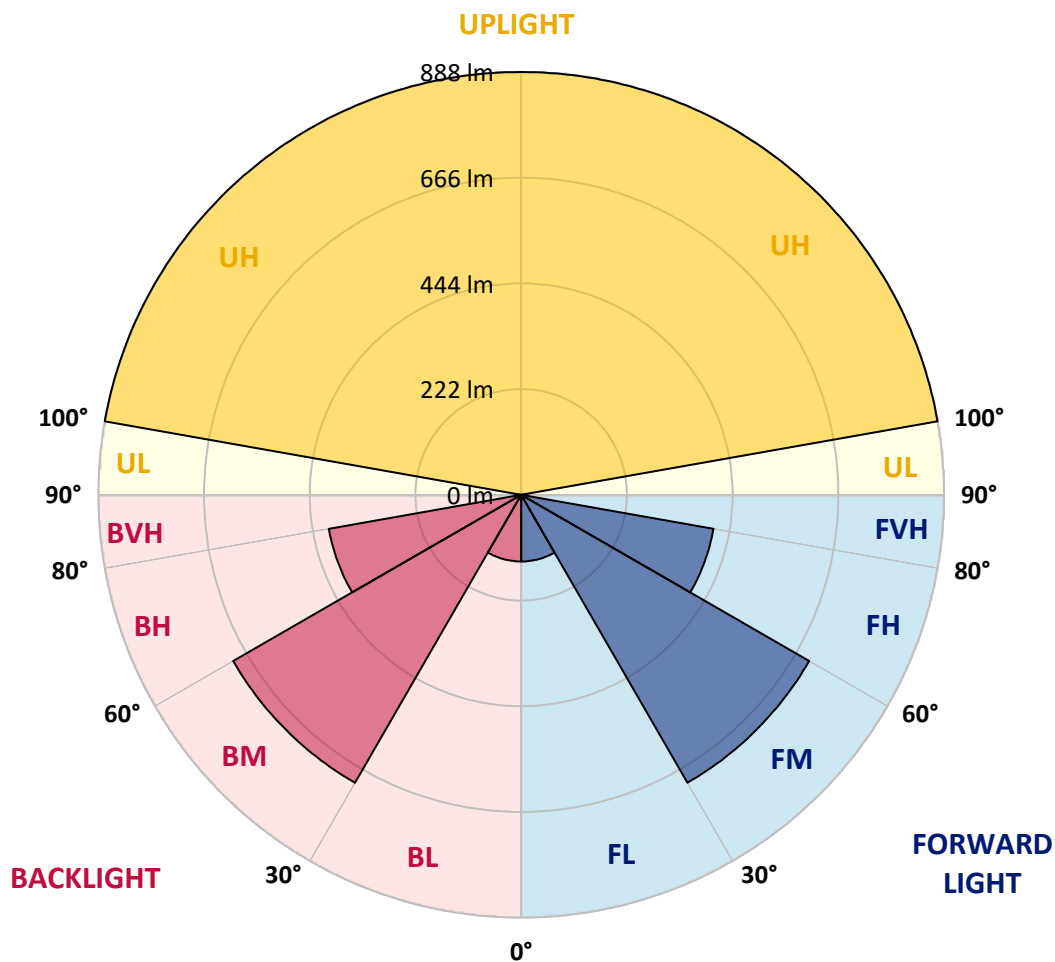
CATALOG NUMBER: IST-AF-350-LED-E1-RW-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	139.9	3.3			
FM (30°-60°)	698.0	16.2			
FH (60°-80°)	409.9	9.5			G0/660
FVH (80°-90°)	13.3	0.3			G1/100
BL (0°-30°)	139.9	3.3	B1/500		
BM (30°-60°)	698.0	16.2	B1/1000		
BH (60°-80°)	409.9	9.5	B1/500		G1/500
BVH (80°-90°)	13.3	0.3			G1/100
UL (90°-100°)	9.9	0.2		U1/10	
UH (100°-180°)	887.7	20.7		U4/1000	

BUG Rating: B1-U5-G1

Type II Medium





REPORT NUMBER: P227480

CATALOG NUMBER: IST-AF-350-LED-E1-RW-ULG

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0°	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7
2.5°	288.6	288.2	288.2	288.6	289.3	289.7	289.0	289.3	289.3	289.0	290.1
5°	289.3	289.0	289.3	290.1	291.1	292.3	292.0	292.0	292.3	291.5	293.4
7.5°	288.6	288.2	289.0	290.8	293.4	294.9	294.9	294.9	295.6	295.2	297.5
10°	285.2	284.9	286.7	290.1	294.9	296.0	297.1	297.5	299.7	299.7	302.0
12.5°	282.2	282.6	285.2	290.4	298.2	298.6	300.0	301.6	304.5	303.0	307.1
15°	283.4	284.2	287.4	293.8	304.1	303.8	304.9	306.4	311.2	307.9	314.6
17.5°	289.0	290.1	293.8	301.2	311.9	310.1	311.6	313.8	320.1	316.0	323.8
20°	297.9	299.3	303.4	311.6	321.6	319.8	321.2	323.8	331.2	327.1	334.9
22.5°	309.7	311.2	315.7	324.9	335.7	333.5	334.9	337.2	345.3	339.0	348.6
25°	325.7	327.1	331.9	341.7	353.8	351.3	352.0	353.5	362.0	354.6	363.9
27.5°	347.9	349.4	353.5	362.7	374.6	372.5	373.2	374.6	383.5	376.1	384.3
30°	376.1	377.6	381.4	390.6	400.6	398.0	399.2	400.2	408.4	401.0	407.6
32.5°	409.5	409.1	414.7	424.3	433.2	428.4	428.4	428.4	436.2	428.8	433.9
35°	448.8	448.8	454.4	463.7	471.8	466.3	463.7	462.2	470.7	461.5	465.1
37.5°	491.8	490.0	498.5	507.1	514.9	507.8	505.5	503.7	510.0	499.6	501.5
40°	537.5	536.0	545.2	554.8	560.1	550.9	548.9	546.8	553.4	543.4	543.0
42.5°	579.0	577.9	589.7	600.9	607.2	595.4	592.7	590.5	597.9	587.9	585.6
45°	614.3	613.9	627.6	642.8	654.0	641.3	639.4	635.8	643.1	631.0	629.8
47.5°	641.7	640.2	656.9	679.1	696.9	683.9	683.6	681.0	688.8	675.5	673.9
50°	660.2	661.3	679.5	705.5	734.4	722.2	723.3	722.2	733.7	720.4	722.2
52.5°	663.6	665.8	689.2	723.3	763.7	748.9	757.4	760.8	775.2	763.7	767.4
55°	623.9	630.2	665.8	725.2	781.9	772.6	783.4	793.0	813.5	803.8	810.5
57.5°	535.2	548.2	589.4	675.5	779.7	784.9	806.8	821.6	846.5	837.9	853.4
60°	413.6	422.5	468.1	568.7	708.5	715.6	755.2	802.3	859.4	871.2	895.8
62.5°	270.8	276.0	320.5	422.5	585.6	587.9	637.2	698.5	797.5	823.5	892.1
65°	134.3	141.4	165.1	243.4	410.2	407.2	461.5	533.1	661.3	689.9	801.6
67.5°	83.8	84.9	89.7	112.7	205.5	182.5	227.0	302.0	457.4	482.9	624.6
70°	70.5	70.1	68.9	72.3	90.5	73.4	81.2	106.1	212.9	211.8	360.2
72.5°	65.0	63.8	60.9	60.5	63.0	57.9	58.6	60.0	85.3	71.6	138.7
75°	59.7	57.5	53.8	52.7	52.7	48.6	48.6	49.0	55.2	52.0	63.0
77.5°	53.4	50.8	47.2	45.6	44.1	39.7	39.3	39.7	44.5	41.5	47.2
80°	46.0	43.4	40.8	38.6	36.3	32.2	31.2	31.2	35.2	32.2	36.7
82.5°	40.1	36.7	36.0	32.2	28.9	25.3	24.1	22.3	26.0	22.6	27.4
85°	29.7	27.1	34.2	28.5	23.0	20.4	16.4	13.7	16.4	13.4	17.4
87.5°	17.1	16.0	30.1	22.6	20.4	21.9	13.4	9.6	9.3	8.2	9.6
90°	8.5	8.8	12.0	11.6	12.7	10.2	8.8	8.6	9.4	8.7	9.7
92.5°	4.1	4.1	5.1	6.1	6.1	6.1	6.1	6.1	6.1	6.3	6.6
95°	5.1	5.1	6.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
97.5°	7.2	7.2	8.2	8.2	9.2	9.2	9.2	9.2	9.2	10.0	10.7
100°	8.2	8.2	9.2	10.2	12.3	14.5	16.9	19.2	21.5	23.5	25.6
102.5°	11.3	11.3	13.3	18.4	27.6	30.9	34.3	37.6	40.9	43.5	46.0
105°	21.5	22.5	27.6	36.8	49.1	53.0	56.8	60.6	64.4	66.7	69.0
107.5°	41.9	43.0	50.1	59.3	74.7	78.6	82.3	86.1	90.0	91.9	93.6
110°	67.5	69.6	75.7	89.0	104.3	107.4	110.5	113.5	116.6	118.2	119.7



REPORT NUMBER: P227480

CATALOG NUMBER: IST-AF-350-LED-E1-RW-ULG

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
112.5°	101.3	101.3	108.4	123.8	137.1	139.3	141.7	144.0	146.3	147.5	148.8
115°	143.2	142.2	150.4	162.6	171.9	173.4	174.9	176.5	178.0	179.2	180.6
117.5°	188.2	188.2	193.3	201.5	206.6	207.5	208.2	208.9	209.7	211.2	212.8
120°	230.2	228.1	231.2	238.3	242.4	244.0	245.5	247.0	248.6	249.4	250.1
122.5°	269.0	266.0	267.0	273.1	277.2	278.8	280.3	281.8	283.4	283.9	284.4
125°	304.8	300.7	302.8	305.9	312.0	313.2	314.6	315.9	317.1	317.9	318.6
127.5°	337.6	336.6	336.6	340.6	346.8	347.0	347.3	347.6	347.8	349.0	350.4
130°	371.3	369.3	370.3	374.4	378.5	379.0	379.5	380.0	380.5	381.8	383.1
132.5°	405.1	403.0	402.0	410.2	413.3	413.5	413.8	414.1	414.3	415.8	417.4
135°	438.8	435.8	435.8	441.9	445.0	445.5	446.0	446.5	447.0	448.6	450.1
137.5°	470.6	467.5	469.5	470.6	474.6	475.7	476.7	477.7	478.7	480.0	481.3
140°	499.2	496.1	498.2	500.2	502.3	503.8	505.3	506.9	508.4	509.2	509.9
142.5°	529.9	526.8	528.9	529.9	533.0	534.0	535.0	536.0	537.0	537.6	538.1
145°	562.6	558.5	556.5	559.6	562.6	562.8	563.1	563.4	563.6	564.9	566.2
147.5°	588.2	585.1	584.1	587.2	587.2	587.4	587.7	588.0	588.2	589.4	590.8
150°	608.7	605.6	606.6	606.6	606.6	606.6	606.6	606.6	606.6	607.6	608.7
152.5°	625.0	622.0	622.0	623.0	624.0	624.0	624.0	624.0	624.0	624.2	624.5
155°	643.4	639.3	639.3	641.4	644.5	643.9	643.4	642.9	642.4	641.9	641.4
157.5°	660.8	657.8	657.8	658.8	660.8	660.6	660.3	660.0	659.8	659.6	659.3
160°	678.2	675.1	674.1	671.1	670.0	670.0	670.0	670.0	670.0	670.9	671.6
162.5°	688.4	684.4	684.4	680.3	676.2	676.7	677.2	677.7	678.2	679.2	680.3
165°	696.6	693.6	691.5	691.5	688.4	688.4	688.4	688.4	688.4	688.2	687.9
167.5°	705.8	702.8	699.7	701.7	703.8	703.0	702.3	701.5	700.7	698.9	697.1
170°	714.0	711.0	707.9	707.9	708.9	708.4	707.9	707.4	706.9	705.6	704.3
172.5°	715.0	713.0	711.0	708.9	705.8	705.8	705.8	705.8	705.8	705.6	705.3
175°	716.1	714.0	713.0	711.0	706.9	706.7	706.3	706.0	705.8	705.8	705.8
177.5°	723.2	721.2	716.1	715.0	713.0	712.5	712.0	711.5	711.0	710.7	710.4
180°	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1

REPORT NUMBER: P227480

CATALOG NUMBER: IST-AF-350-LED-E1-RW-ULG

CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0°	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7
2.5°	289.0	290.1	288.6	290.1	287.4	289.7	287.9	290.1	288.2	290.1	287.9
5°	290.8	293.8	290.4	294.5	289.7	294.5	290.4	294.9	291.1	294.9	290.8
7.5°	293.8	299.0	294.5	299.7	293.8	300.4	294.9	301.2	295.6	301.6	295.2
10°	297.5	304.1	298.2	304.9	297.9	305.7	298.6	306.8	299.3	307.5	299.7
12.5°	300.8	309.3	302.7	311.6	303.8	313.0	304.9	315.3	306.4	317.1	307.1
15°	307.1	318.2	309.7	320.5	311.6	322.3	313.4	325.3	315.3	327.5	317.1
17.5°	315.3	327.5	318.6	329.4	319.8	331.6	321.9	333.8	323.8	336.4	324.9
20°	326.4	338.7	329.4	339.7	330.5	341.3	331.6	342.4	333.8	344.6	334.6
22.5°	339.0	350.6	340.5	350.9	340.5	350.6	341.3	350.9	342.4	352.4	343.5
25°	354.2	365.0	355.0	363.9	353.5	362.4	353.5	362.4	354.6	363.1	356.5
27.5°	375.4	383.5	373.2	380.9	369.8	377.6	368.4	376.1	368.7	376.1	369.4
30°	399.2	406.5	394.7	401.0	388.7	394.7	384.6	391.3	383.5	390.6	385.3
32.5°	425.0	431.0	419.1	424.3	411.7	417.0	406.1	410.6	404.0	408.4	405.1
35°	454.0	459.9	447.7	452.6	439.9	444.4	433.6	435.9	429.1	432.1	429.1
37.5°	488.5	493.7	479.6	484.1	470.4	475.9	462.9	465.1	457.0	458.8	452.9
40°	525.6	531.1	514.4	518.9	501.9	508.2	493.7	495.2	484.1	485.9	476.6
42.5°	565.7	570.8	550.0	553.8	533.8	540.4	523.3	526.3	513.0	514.9	503.0
45°	609.8	612.7	589.7	592.4	568.2	574.9	553.4	558.9	543.0	546.8	533.1
47.5°	651.0	656.9	631.7	633.9	607.9	612.0	587.2	594.5	577.6	583.1	566.4
50°	698.1	702.6	678.4	678.8	653.6	655.1	627.3	634.6	616.1	622.1	604.3
52.5°	746.3	749.3	723.3	725.9	701.0	703.7	675.9	678.8	657.2	662.5	645.1
55°	793.0	793.8	772.2	771.5	748.2	753.0	722.2	728.9	703.3	708.8	689.2
57.5°	839.7	842.4	822.4	823.1	799.7	803.0	775.2	780.0	756.0	762.6	738.2
60°	889.1	897.2	877.6	880.2	857.9	864.6	830.8	837.2	810.8	821.6	795.2
62.5°	920.7	951.0	947.4	951.4	930.3	933.6	898.8	908.8	877.2	885.1	857.9
65°	860.5	935.1	972.9	1014.5	1015.6	1026.3	992.6	996.3	964.7	962.9	931.0
67.5°	701.4	793.4	857.2	942.5	1002.2	1059.7	1080.5	1085.7	1068.7	1050.5	1014.5
70°	423.2	523.8	617.6	718.1	812.3	915.8	1003.7	1064.6	1117.6	1115.0	1120.2
72.5°	167.3	250.7	313.4	407.6	501.1	615.7	712.9	798.6	889.9	945.8	1018.6
75°	66.0	87.2	102.0	154.7	199.2	284.5	370.2	416.5	488.2	537.0	587.6
77.5°	47.5	52.0	52.7	61.2	64.5	89.4	104.6	120.5	135.7	145.4	143.5
80°	36.7	39.7	39.7	43.4	43.1	47.9	46.7	51.1	50.8	54.5	52.0
82.5°	27.4	29.3	29.3	32.2	32.2	35.2	34.5	37.4	36.3	39.0	36.3
85°	17.8	19.6	19.6	21.2	20.4	23.3	23.0	25.3	24.1	25.3	23.3
87.5°	10.0	11.2	11.5	12.6	11.5	13.7	13.4	14.4	13.4	14.4	13.7
90°	8.7	9.4	9.2	10.4	9.8	12.6	11.0	12.9	10.3	13.7	10.5
92.5°	7.0	7.2	7.2	7.2	7.2	7.2	7.0	6.6	6.3	6.1	6.1
95°	7.2	7.2	7.4	7.7	8.0	8.2	8.0	7.7	7.4	7.2	7.2
97.5°	11.5	12.3	11.8	11.3	10.7	10.2	10.0	9.7	9.4	9.2	9.0
100°	27.6	29.7	28.8	28.1	27.4	26.6	25.8	25.1	24.3	23.5	22.5
102.5°	48.6	51.1	50.3	49.6	48.9	48.1	46.9	45.5	44.2	43.0	42.1
105°	71.4	73.7	73.1	72.6	72.1	71.6	70.4	69.0	67.7	66.5	65.5
107.5°	95.3	97.2	97.0	96.7	96.4	96.2	95.1	94.1	93.1	92.1	91.2
110°	121.2	122.8	123.0	123.3	123.6	123.8	123.3	122.8	122.2	121.7	120.9



REPORT NUMBER: P227480

CATALOG NUMBER: IST-AF-350-LED-E1-RW-ULG

CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
112.5°	150.2	151.4	151.9	152.4	152.9	153.4	153.2	152.9	152.6	152.4	151.9
115°	181.9	183.1	183.9	184.6	185.4	186.2	185.4	184.6	183.9	183.1	182.6
117.5°	214.3	215.8	216.9	217.9	218.9	219.9	218.7	217.4	216.0	214.8	214.3
120°	250.8	251.6	252.7	253.7	254.7	255.7	254.5	253.2	251.9	250.6	250.1
122.5°	284.9	285.4	286.4	287.4	288.5	289.5	288.3	286.9	285.6	284.4	283.9
125°	319.4	320.2	320.7	321.2	321.7	322.2	321.0	319.7	318.3	317.1	317.1
127.5°	351.7	352.9	353.1	353.4	353.7	353.9	353.9	353.9	353.9	353.9	353.7
130°	384.4	385.7	386.7	387.7	388.7	389.7	389.7	389.7	389.7	389.7	389.2
132.5°	418.9	420.4	421.7	423.0	424.3	425.5	425.0	424.5	424.0	423.5	423.5
135°	451.6	453.2	454.4	455.7	457.1	458.3	458.1	457.8	457.5	457.3	458.1
137.5°	482.6	483.9	484.4	484.9	485.4	485.9	486.1	486.4	486.7	486.9	488.2
140°	510.7	511.5	512.0	512.5	513.0	513.5	514.0	514.5	515.1	515.6	516.8
142.5°	538.6	539.1	540.6	542.2	543.7	545.2	545.2	545.2	545.2	545.2	545.4
145°	567.5	568.8	570.3	571.8	573.4	574.9	574.7	574.4	574.1	573.9	573.1
147.5°	592.1	593.3	594.5	595.9	597.2	598.4	598.6	598.9	599.2	599.4	598.6
150°	609.7	610.7	611.5	612.2	613.0	613.8	614.6	615.3	616.0	616.8	617.7
152.5°	624.8	625.0	625.8	626.6	627.3	628.1	629.1	630.1	631.2	632.2	633.4
155°	640.9	640.4	641.6	642.9	644.3	645.5	646.7	648.0	649.4	650.6	651.1
157.5°	659.0	658.8	659.8	660.8	661.8	662.9	663.4	663.9	664.4	664.9	664.9
160°	672.3	673.1	674.6	676.2	677.7	679.2	678.4	677.7	677.0	676.2	676.0
162.5°	681.3	682.3	683.3	684.4	685.4	686.4	686.2	685.9	685.6	685.4	684.9
165°	687.6	687.4	688.7	690.0	691.3	692.5	693.4	694.1	694.8	695.6	695.1
167.5°	695.4	693.6	695.1	696.6	698.2	699.7	700.7	701.7	702.8	703.8	703.8
170°	703.0	701.7	702.6	703.3	704.0	704.8	706.0	707.4	708.7	709.9	710.4
172.5°	705.0	704.8	705.6	706.3	707.1	707.9	708.4	708.9	709.4	709.9	710.4
175°	705.8	705.8	707.1	708.4	709.7	711.0	711.2	711.5	711.8	712.0	711.5
177.5°	710.1	709.9	711.2	712.5	713.8	715.0	715.6	716.1	716.6	717.1	716.3
180°	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1



REPORT NUMBER: P227480

CATALOG NUMBER: IST-AF-350-LED-E1-RW-ULG

CANDELA DISTRIBUTION (continued):

	80°	82.5°	85°	87.5°	90°
0°	289.7	289.7	289.7	289.7	289.7
2.5°	289.7	289.0	290.4	288.2	290.1
5°	294.9	291.5	295.6	291.5	295.2
7.5°	302.0	296.3	302.3	296.3	302.3
10°	308.6	299.3	308.9	300.0	309.3
12.5°	318.6	307.5	320.1	307.9	320.1
15°	329.8	317.1	331.2	317.5	331.9
17.5°	338.7	326.4	340.1	326.4	340.5
20°	346.1	336.4	347.9	336.4	349.0
22.5°	354.6	347.6	356.8	347.6	359.1
25°	365.7	360.9	368.4	361.6	369.8
27.5°	378.7	375.4	381.4	376.4	382.8
30°	393.9	392.8	395.8	393.5	397.2
32.5°	411.0	413.6	413.6	413.6	415.0
35°	435.9	438.0	438.0	438.8	439.2
37.5°	459.6	463.3	462.9	464.0	464.0
40°	484.5	489.3	489.3	489.3	490.0
42.5°	511.9	517.1	517.8	515.6	517.1
45°	542.7	544.5	546.4	545.2	547.9
47.5°	575.7	577.6	579.0	577.6	581.6
50°	614.6	614.3	618.4	614.3	620.2
52.5°	655.4	658.8	661.3	657.2	661.3
55°	701.4	700.3	708.8	703.3	708.8
57.5°	751.9	751.9	760.4	755.2	761.5
60°	811.6	806.8	818.7	810.1	818.7
62.5°	872.1	863.5	876.9	869.4	880.6
65°	941.7	929.6	942.1	932.5	942.5
67.5°	1012.2	998.2	1002.2	997.4	1003.0
70°	1102.7	1100.9	1096.1	1110.2	1097.9
72.5°	1007.1	1028.6	1011.1	1044.8	1021.9
75°	618.7	658.4	680.3	714.7	709.2
77.5°	146.5	130.2	143.5	128.7	145.1
80°	54.1	49.3	51.6	44.9	50.1
82.5°	37.1	32.2	31.2	24.9	26.7
85°	23.7	19.3	17.8	14.8	16.4
87.5°	14.1	10.7	10.0	8.5	8.9
90°	12.3	9.2	10.1	7.9	9.7
92.5°	6.1	6.1	6.1	6.1	6.1
95°	7.2	7.2	7.2	7.2	7.2
97.5°	8.7	8.4	8.2	8.2	8.2
100°	21.5	20.5	19.4	19.4	19.4
102.5°	41.4	40.7	39.9	39.4	38.9
105°	64.4	63.4	62.4	62.4	62.4
107.5°	90.5	89.8	89.0	88.5	88.0
110°	120.2	119.5	118.7	119.2	119.7



REPORT NUMBER: P227480

CATALOG NUMBER: IST-AF-350-LED-E1-RW-ULG

CANDELA DISTRIBUTION (continued):

	80°	82.5°	85°	87.5°	90°
112.5°	151.4	150.9	150.4	150.4	150.4
115°	182.1	181.6	181.1	181.6	182.1
117.5°	213.8	213.3	212.8	213.3	213.8
120°	249.6	249.1	248.6	248.6	248.6
122.5°	283.4	282.8	282.3	282.8	283.4
125°	317.1	317.1	317.1	317.1	317.1
127.5°	353.4	353.1	352.9	353.9	355.0
130°	388.7	388.2	387.7	388.2	388.7
132.5°	423.5	423.5	423.5	424.0	424.5
135°	458.8	459.5	460.3	460.8	461.4
137.5°	489.5	490.8	492.0	492.6	493.1
140°	518.1	519.5	520.7	521.7	522.7
142.5°	545.7	546.1	546.3	547.3	548.3
145°	572.3	571.6	570.8	571.8	572.9
147.5°	597.9	597.2	596.4	597.4	598.4
150°	618.4	619.1	619.9	622.0	624.0
152.5°	634.7	636.1	637.3	639.9	642.4
155°	651.6	652.1	652.6	654.2	655.7
157.5°	664.9	664.9	664.9	667.5	670.0
160°	675.7	675.4	675.1	678.2	681.3
162.5°	684.4	683.8	683.3	686.4	689.5
165°	694.6	694.1	693.6	695.6	697.7
167.5°	703.8	703.8	703.8	706.9	709.9
170°	711.0	711.5	712.0	714.5	717.1
172.5°	711.0	711.5	712.0	714.5	717.1
175°	711.0	710.4	709.9	712.5	715.0
177.5°	715.6	714.8	714.0	716.1	718.1
180°	716.1	716.1	716.1	716.1	716.1

(END OF REPORT)