

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: P227481

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227481
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-8030-ULG
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-RECTANGULAR WIDE TYPE I, 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: 3747.8 lumens
Efficiency: N/A
Efficacy: 101.9 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

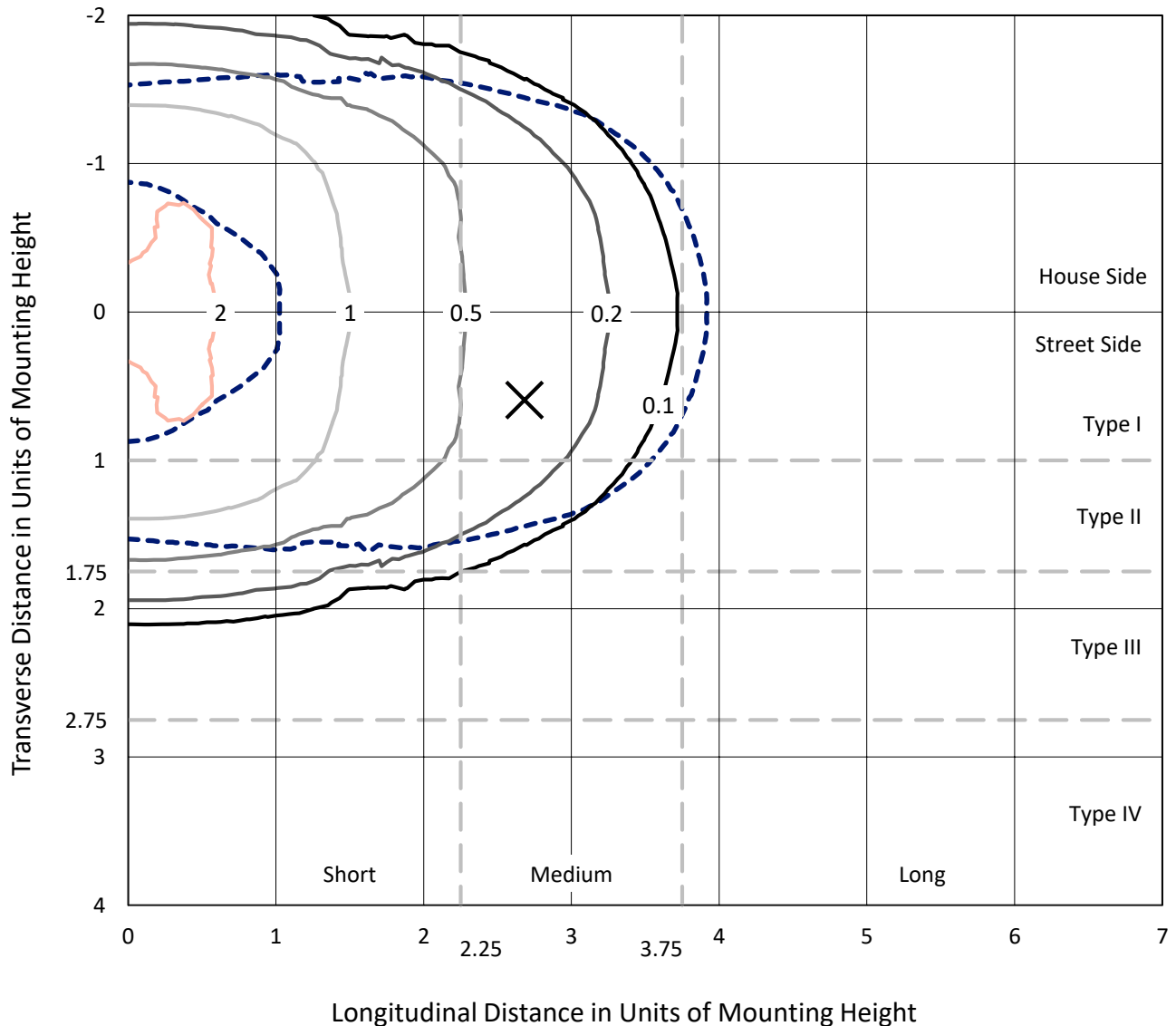


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

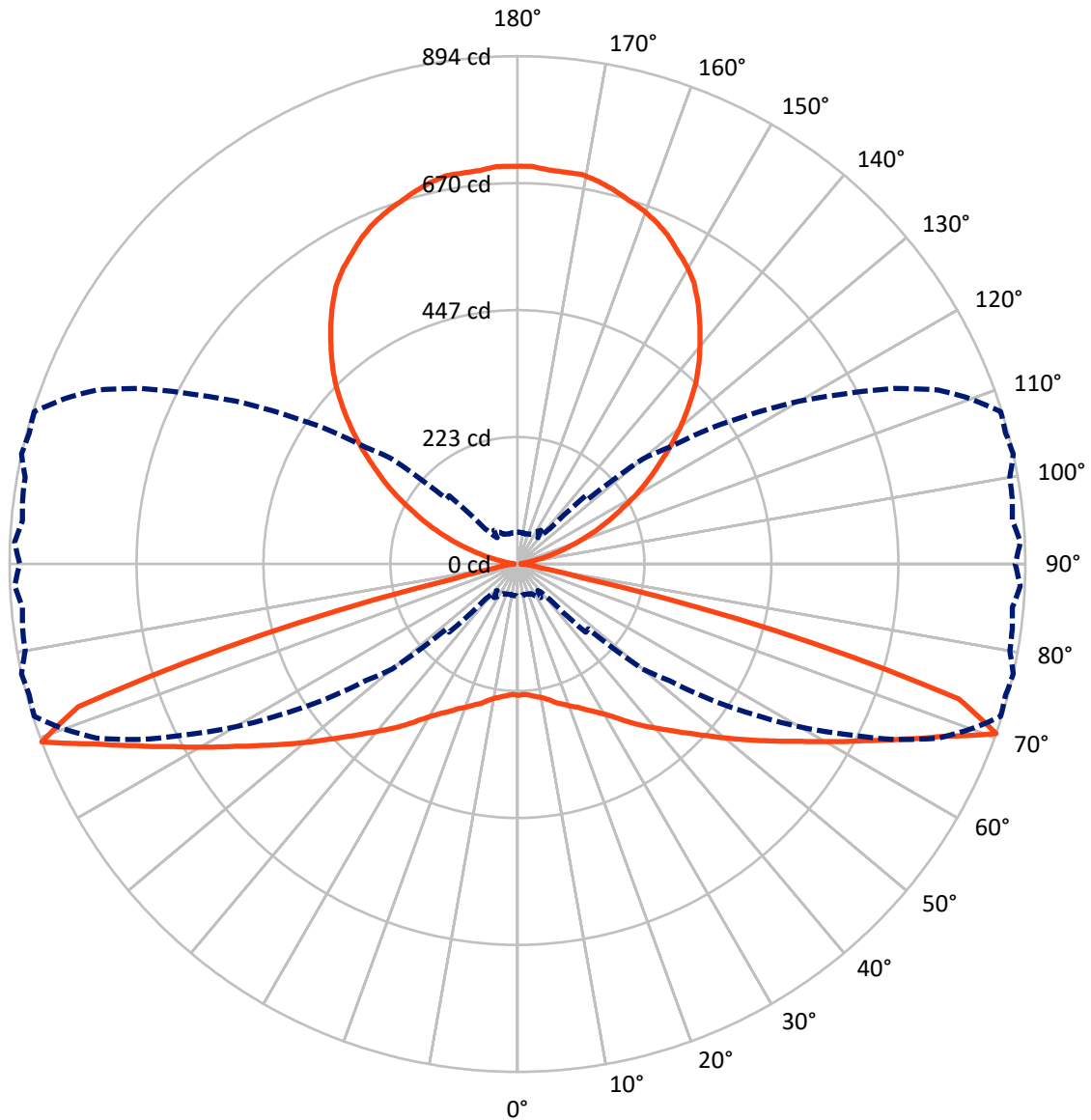


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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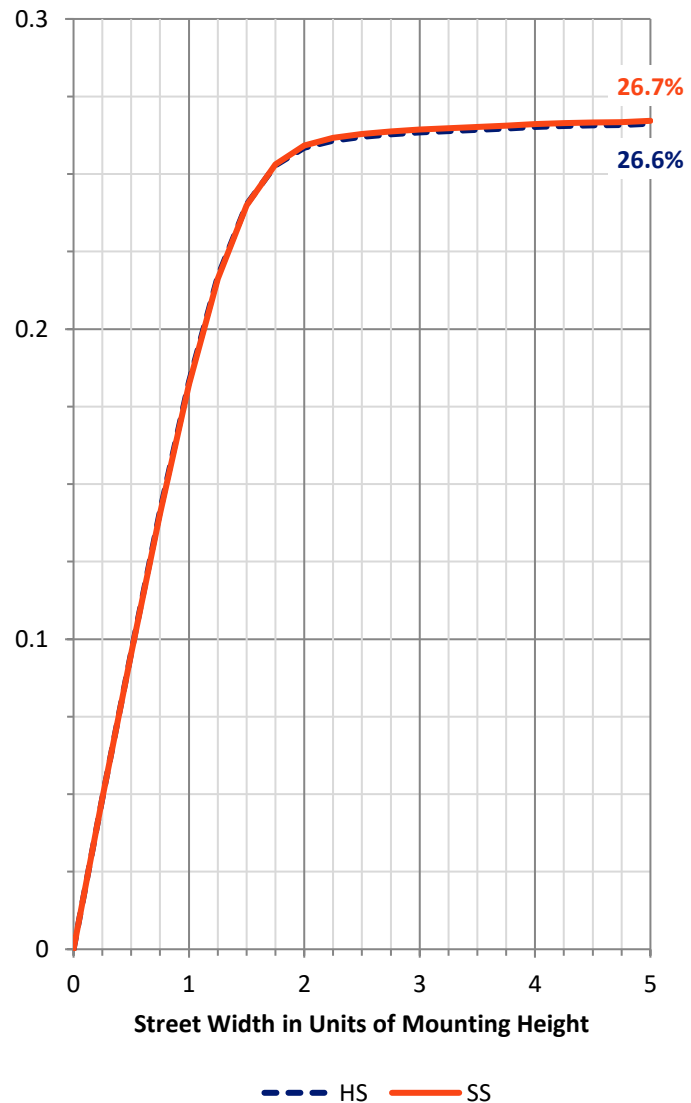
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1006.2	867.7	1873.9
	% Fixture	26.8	23.2	50.0
Street Side	Lumens	1006.2	867.7	1873.9
	% Fixture	26.8	23.2	50.0
Total	Lumens	2012.3	1735.5	3747.8
	% Fixture	53.7	46.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.3	0.6
10°-20°	69.8	1.9
20°-30°	131.1	3.5
30°-40°	229.1	6.1
40°-50°	373.5	10.0
50°-60°	511.1	13.6
60°-70°	470.1	12.5
70°-80°	183.8	4.9
80°-90°	21.5	0.6
90°-100°	9.6	0.3
100°-110°	57.4	1.5
110°-120°	166.1	4.4
120°-130°	273.2	7.3
130°-140°	336.8	9.0
140°-150°	344.6	9.2
150°-160°	290.3	7.7
160°-170°	191.2	5.1
170°-180°	66.3	1.8
0°-90°	2012.3	53.7
0°-180°	3747.8	100.0



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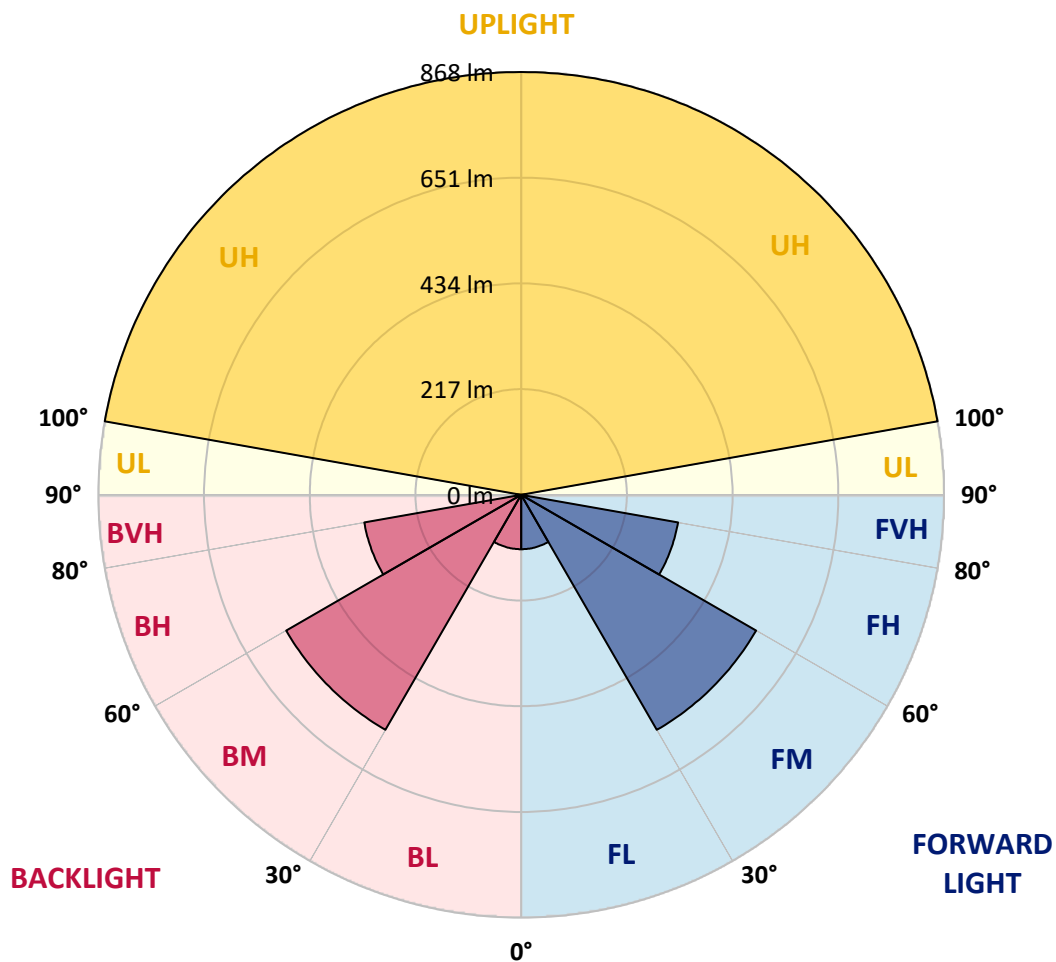
CATALOG NUMBER: IST-AF-350-LED-E1-RW-8030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	111.6	3.0			
FM	(30°-60°)	556.8	14.9			
FH	(60°-80°)	327.0	8.7			G0/660
FVH	(80°-90°)	10.7	0.3			G1/100
BL	(0°-30°)	111.6	3.0	B1/500		
BM	(30°-60°)	556.8	14.9	B1/1000		
BH	(60°-80°)	327.0	8.7	B1/500		G1/500
BVH	(80°-90°)	10.7	0.3			G1/100
UL	(90°-100°)	9.6	0.3		U1/10	
UH	(100°-180°)	867.7	23.2		U4/1000	

BUG Rating: B1-U5-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0°	231.1	231.1	231.1	231.1	231.1	231.1	231.1	231.1	231.1	231.1	231.1
2.5°	230.2	229.9	229.9	230.2	230.8	231.1	230.5	230.8	230.8	230.5	231.4
5°	230.8	230.5	230.8	231.4	232.3	233.2	232.9	232.9	233.2	232.6	234.0
7.5°	230.2	229.9	230.5	232.0	234.0	235.2	235.2	235.2	235.8	235.5	237.3
10°	227.5	227.2	228.7	231.4	235.2	236.1	237.0	237.3	239.1	239.1	240.8
12.5°	225.2	225.5	227.5	231.7	237.9	238.2	239.4	240.6	242.9	241.7	245.0
15°	226.1	226.6	229.3	234.3	242.6	242.3	243.2	244.4	248.2	245.6	250.9
17.5°	230.5	231.4	234.3	240.3	248.8	247.4	248.5	250.3	255.3	252.1	258.3
20°	237.6	238.8	242.0	248.5	256.5	255.1	256.2	258.3	264.2	261.0	267.2
22.5°	247.1	248.2	251.8	259.2	267.8	266.0	267.2	269.0	275.5	270.4	278.1
25°	259.8	261.0	264.8	272.5	282.3	280.2	280.8	282.0	288.8	282.9	290.3
27.5°	277.5	278.7	282.0	289.4	298.8	297.1	297.7	298.8	305.9	300.0	306.5
30°	300.0	301.2	304.2	311.6	319.6	317.5	318.4	319.3	325.8	319.8	325.2
32.5°	326.7	326.4	330.8	338.5	345.6	341.7	341.7	341.7	348.0	342.0	346.2
35°	358.0	358.0	362.5	369.9	376.4	371.9	369.9	368.7	375.5	368.1	371.0
37.5°	392.3	390.9	397.7	404.5	410.7	405.1	403.3	401.8	406.8	398.6	400.0
40°	428.7	427.5	434.9	442.6	446.8	439.4	437.9	436.1	441.5	433.5	433.2
42.5°	461.9	461.0	470.5	479.3	484.4	474.9	472.8	471.0	477.0	469.0	467.2
45°	490.0	489.7	500.6	512.8	521.6	511.6	510.1	507.1	513.1	503.3	502.4
47.5°	511.9	510.7	524.0	541.8	556.0	545.6	545.3	543.2	549.5	538.8	537.6
50°	526.7	527.6	542.1	562.8	585.8	576.1	577.0	576.1	585.3	574.6	576.1
52.5°	529.3	531.1	549.7	577.0	609.2	597.4	604.2	606.9	618.4	609.2	612.2
55°	497.7	502.7	531.1	578.4	623.7	616.3	624.9	632.6	648.9	641.2	646.5
57.5°	427.0	437.3	470.2	538.8	621.9	626.1	643.5	655.4	675.2	668.4	680.8
60°	329.9	337.0	373.4	453.6	565.1	570.8	602.4	640.0	685.6	695.0	714.6
62.5°	216.0	220.1	255.6	337.0	467.2	469.0	508.3	557.1	636.1	656.9	711.6
65°	107.1	112.7	131.7	194.1	327.2	324.9	368.1	425.2	527.6	550.3	639.4
67.5°	66.9	67.8	71.6	89.9	163.9	145.6	181.1	240.8	364.8	385.2	498.3
70°	56.2	55.9	55.0	57.7	72.2	58.6	64.8	84.6	169.8	168.9	287.3
72.5°	51.8	50.9	48.5	48.2	50.3	46.2	46.7	47.9	68.1	57.1	110.7
75°	47.6	45.9	42.9	42.0	42.0	38.8	38.8	39.1	44.1	41.4	50.3
77.5°	42.6	40.5	37.6	36.4	35.2	31.7	31.4	31.7	35.5	33.1	37.6
80°	36.7	34.6	32.5	30.8	29.0	25.7	24.9	24.9	28.1	25.7	29.3
82.5°	32.0	29.3	28.7	25.7	23.1	20.1	19.2	17.8	20.7	18.0	21.9
85°	23.7	21.6	27.2	22.8	18.3	16.3	13.0	10.9	13.0	10.7	13.9
87.5°	13.6	12.7	24.0	18.0	16.3	17.5	10.7	7.7	7.4	6.5	7.7
90°	7.7	8.0	10.8	10.7	11.6	9.6	8.4	8.2	8.8	8.2	9.1
92.5°	4.0	4.0	5.0	6.0	6.0	6.0	6.0	6.0	6.0	6.2	6.5
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	9.0	9.0	9.0	9.0	9.0	9.8	10.5
100°	8.0	8.0	9.0	10.0	12.0	14.2	16.5	18.8	21.0	23.0	25.0
102.5°	11.0	11.0	13.0	18.0	27.0	30.2	33.5	36.8	40.0	42.5	45.0
105°	21.0	22.0	27.0	36.0	48.0	51.8	55.5	59.2	63.0	65.2	67.5
107.5°	41.0	42.0	49.0	58.0	73.0	76.8	80.5	84.2	88.0	89.8	91.5
110°	66.0	68.0	74.0	87.0	102.0	105.0	108.0	111.0	114.0	115.5	117.0



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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
112.5°	99.0	99.0	106.0	121.0	134.0	136.2	138.5	140.8	143.0	144.2	145.5
115°	140.0	139.0	147.0	159.0	168.0	169.5	171.0	172.5	174.0	175.2	176.5
117.5°	184.0	184.0	189.0	197.0	202.0	202.8	203.5	204.2	205.0	206.5	208.0
120°	225.0	223.0	226.0	233.0	237.0	238.5	240.0	241.5	243.0	243.8	244.5
122.5°	263.0	260.0	261.0	267.0	271.0	272.5	274.0	275.5	277.0	277.5	278.0
125°	298.0	294.0	296.0	299.0	305.0	306.2	307.5	308.8	310.0	310.8	311.5
127.5°	330.0	329.0	329.0	333.0	339.0	339.2	339.5	339.8	340.0	341.2	342.5
130°	363.0	361.0	362.0	366.0	370.0	370.5	371.0	371.5	372.0	373.2	374.5
132.5°	396.0	394.0	393.0	401.0	404.0	404.2	404.5	404.8	405.0	406.5	408.0
135°	429.0	426.0	426.0	432.0	435.0	435.5	436.0	436.5	437.0	438.5	440.0
137.5°	460.0	457.0	459.0	460.0	464.0	465.0	466.0	467.0	468.0	469.2	470.5
140°	488.0	485.0	487.0	489.0	491.0	492.5	494.0	495.5	497.0	497.8	498.5
142.5°	518.0	515.0	517.0	518.0	521.0	522.0	523.0	524.0	525.0	525.5	526.0
145°	550.0	546.0	544.0	547.0	550.0	550.2	550.5	550.8	551.0	552.2	553.5
147.5°	575.0	572.0	571.0	574.0	574.0	574.2	574.5	574.8	575.0	576.2	577.5
150°	595.0	592.0	593.0	593.0	593.0	593.0	593.0	593.0	593.0	594.0	595.0
152.5°	611.0	608.0	608.0	609.0	610.0	610.0	610.0	610.0	610.0	610.2	610.5
155°	629.0	625.0	625.0	627.0	630.0	629.5	629.0	628.5	628.0	627.5	627.0
157.5°	646.0	643.0	643.0	644.0	646.0	645.8	645.5	645.2	645.0	644.8	644.5
160°	663.0	660.0	659.0	656.0	655.0	655.0	655.0	655.0	655.0	655.8	656.5
162.5°	673.0	669.0	669.0	665.0	661.0	661.5	662.0	662.5	663.0	664.0	665.0
165°	681.0	678.0	676.0	676.0	673.0	673.0	673.0	673.0	673.0	672.8	672.5
167.5°	690.0	687.0	684.0	686.0	688.0	687.2	686.5	685.8	685.0	683.2	681.5
170°	698.0	695.0	692.0	692.0	693.0	692.5	692.0	691.5	691.0	689.8	688.5
172.5°	699.0	697.0	695.0	693.0	690.0	690.0	690.0	690.0	690.0	689.8	689.5
175°	700.0	698.0	697.0	695.0	691.0	690.8	690.5	690.2	690.0	690.0	690.0
177.5°	707.0	705.0	700.0	699.0	697.0	696.5	696.0	695.5	695.0	694.8	694.5
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):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0°	231.1	231.1	231.1	231.1	231.1	231.1	231.1	231.1	231.1	231.1	231.1
2.5°	230.5	231.4	230.2	231.4	229.3	231.1	229.6	231.4	229.9	231.4	229.6
5°	232.0	234.3	231.7	234.9	231.1	234.9	231.7	235.2	232.3	235.2	232.0
7.5°	234.3	238.5	234.9	239.1	234.3	239.7	235.2	240.3	235.8	240.6	235.5
10°	237.3	242.6	237.9	243.2	237.6	243.8	238.2	244.7	238.8	245.3	239.1
12.5°	240.0	246.8	241.4	248.5	242.3	249.7	243.2	251.5	244.4	253.0	245.0
15°	245.0	253.9	247.1	255.6	248.5	257.1	250.0	259.5	251.5	261.3	253.0
17.5°	251.5	261.3	254.2	262.7	255.1	264.5	256.8	266.3	258.3	268.4	259.2
20°	260.4	270.1	262.7	271.0	263.6	272.2	264.5	273.1	266.3	274.9	266.9
22.5°	270.4	279.6	271.6	279.9	271.6	279.6	272.2	279.9	273.1	281.1	274.0
25°	282.6	291.1	283.2	290.3	282.0	289.1	282.0	289.1	282.9	289.7	284.3
27.5°	299.4	305.9	297.7	303.9	295.0	301.2	293.8	300.0	294.1	300.0	294.7
30°	318.4	324.3	314.8	319.8	310.1	314.8	306.8	312.2	305.9	311.6	307.4
32.5°	339.1	343.8	334.3	338.5	328.4	332.6	324.0	327.5	322.2	325.8	323.1
35°	362.2	366.9	357.1	361.0	350.9	354.5	345.9	347.7	342.3	344.7	342.3
37.5°	389.7	393.8	382.6	386.1	375.2	379.6	369.3	371.0	364.5	366.0	361.3
40°	419.3	423.7	410.4	413.9	400.3	405.4	393.8	395.0	386.1	387.6	380.2
42.5°	451.2	455.4	438.8	441.8	425.8	431.1	417.5	419.9	409.2	410.7	401.2
45°	486.4	488.8	470.5	472.5	453.3	458.6	441.5	445.9	433.2	436.1	425.2
47.5°	519.3	524.0	503.9	505.7	485.0	488.2	468.4	474.3	460.7	465.1	451.8
50°	556.8	560.4	541.2	541.5	521.3	522.5	500.3	506.3	491.5	496.2	482.0
52.5°	595.3	597.7	577.0	579.0	559.2	561.3	539.1	541.5	524.3	528.4	514.5
55°	632.6	633.2	616.0	615.4	596.8	600.6	576.1	581.4	561.0	565.4	549.7
57.5°	669.9	671.9	656.0	656.6	637.9	640.6	618.4	622.2	603.0	608.3	588.8
60°	709.2	715.7	700.1	702.1	684.4	689.7	662.8	667.8	646.8	655.4	634.4
62.5°	734.4	758.6	755.7	758.9	742.1	744.7	716.9	724.9	699.8	706.0	684.4
65°	686.4	745.9	776.1	809.2	810.1	818.7	791.8	794.7	769.6	768.1	742.7
67.5°	559.5	632.9	683.8	751.8	799.5	845.3	861.9	866.0	852.4	837.9	809.2
70°	337.6	417.8	492.6	572.8	648.0	730.5	800.7	849.2	891.5	889.4	893.6
72.5°	133.4	200.0	250.0	325.2	399.7	491.2	568.7	637.0	709.8	754.5	812.5
75°	52.7	69.5	81.4	123.4	158.9	226.9	295.3	332.3	389.4	428.4	468.7
77.5°	37.9	41.4	42.0	48.8	51.5	71.3	83.4	96.2	108.3	116.0	114.5
80°	29.3	31.7	31.7	34.6	34.3	38.2	37.3	40.8	40.5	43.5	41.4
82.5°	21.9	23.4	23.4	25.7	25.7	28.1	27.5	29.9	29.0	31.1	29.0
85°	14.2	15.7	15.7	16.9	16.3	18.6	18.3	20.1	19.2	20.1	18.6
87.5°	8.0	8.9	9.2	10.1	9.2	10.9	10.7	11.5	10.7	11.5	10.9
90°	8.2	8.8	8.7	9.8	9.4	11.7	10.5	12.0	9.9	12.6	10.0
92.5°	6.8	7.0	7.0	7.0	7.0	7.0	6.8	6.5	6.2	6.0	6.0
95°	7.0	7.0	7.2	7.5	7.8	8.0	7.8	7.5	7.2	7.0	7.0
97.5°	11.2	12.0	11.5	11.0	10.5	10.0	9.8	9.5	9.2	9.0	8.8
100°	27.0	29.0	28.2	27.5	26.8	26.0	25.2	24.5	23.8	23.0	22.0
102.5°	47.5	50.0	49.2	48.5	47.8	47.0	45.8	44.5	43.2	42.0	41.2
105°	69.8	72.0	71.5	71.0	70.5	70.0	68.8	67.5	66.2	65.0	64.0
107.5°	93.2	95.0	94.8	94.5	94.2	94.0	93.0	92.0	91.0	90.0	89.2
110°	118.5	120.0	120.2	120.5	120.8	121.0	120.5	120.0	119.5	119.0	118.2



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

CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
112.5°	146.8	148.0	148.5	149.0	149.5	150.0	149.8	149.5	149.2	149.0	148.5
115°	177.8	179.0	179.8	180.5	181.2	182.0	181.2	180.5	179.8	179.0	178.5
117.5°	209.5	211.0	212.0	213.0	214.0	215.0	213.8	212.5	211.2	210.0	209.5
120°	245.2	246.0	247.0	248.0	249.0	250.0	248.8	247.5	246.2	245.0	244.5
122.5°	278.5	279.0	280.0	281.0	282.0	283.0	281.8	280.5	279.2	278.0	277.5
125°	312.2	313.0	313.5	314.0	314.5	315.0	313.8	312.5	311.2	310.0	310.0
127.5°	343.8	345.0	345.2	345.5	345.8	346.0	346.0	346.0	346.0	346.0	345.8
130°	375.8	377.0	378.0	379.0	380.0	381.0	381.0	381.0	381.0	381.0	380.5
132.5°	409.5	411.0	412.2	413.5	414.8	416.0	415.5	415.0	414.5	414.0	414.0
135°	441.5	443.0	444.2	445.5	446.8	448.0	447.8	447.5	447.2	447.0	447.8
137.5°	471.8	473.0	473.5	474.0	474.5	475.0	475.2	475.5	475.8	476.0	477.2
140°	499.2	500.0	500.5	501.0	501.5	502.0	502.5	503.0	503.5	504.0	505.2
142.5°	526.5	527.0	528.5	530.0	531.5	533.0	533.0	533.0	533.0	533.0	533.2
145°	554.8	556.0	557.5	559.0	560.5	562.0	561.8	561.5	561.2	561.0	560.2
147.5°	578.8	580.0	581.2	582.5	583.8	585.0	585.2	585.5	585.8	586.0	585.2
150°	596.0	597.0	597.8	598.5	599.2	600.0	600.8	601.5	602.2	603.0	603.8
152.5°	610.8	611.0	611.8	612.5	613.2	614.0	615.0	616.0	617.0	618.0	619.2
155°	626.5	626.0	627.2	628.5	629.8	631.0	632.2	633.5	634.8	636.0	636.5
157.5°	644.2	644.0	645.0	646.0	647.0	648.0	648.5	649.0	649.5	650.0	650.0
160°	657.2	658.0	659.5	661.0	662.5	664.0	663.2	662.5	661.8	661.0	660.8
162.5°	666.0	667.0	668.0	669.0	670.0	671.0	670.8	670.5	670.2	670.0	669.5
165°	672.2	672.0	673.2	674.5	675.8	677.0	677.8	678.5	679.2	680.0	679.5
167.5°	679.8	678.0	679.5	681.0	682.5	684.0	685.0	686.0	687.0	688.0	688.0
170°	687.2	686.0	686.8	687.5	688.2	689.0	690.2	691.5	692.8	694.0	694.5
172.5°	689.2	689.0	689.8	690.5	691.2	692.0	692.5	693.0	693.5	694.0	694.5
175°	690.0	690.0	691.2	692.5	693.8	695.0	695.2	695.5	695.8	696.0	695.5
177.5°	694.2	694.0	695.2	696.5	697.8	699.0	699.5	700.0	700.5	701.0	700.2
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):

	80°	82.5°	85°	87.5°	90°
0°	231.1	231.1	231.1	231.1	231.1
2.5°	231.1	230.5	231.7	229.9	231.4
5°	235.2	232.6	235.8	232.6	235.5
7.5°	240.8	236.4	241.1	236.4	241.1
10°	246.2	238.8	246.5	239.4	246.8
12.5°	254.2	245.3	255.3	245.6	255.3
15°	263.0	253.0	264.2	253.3	264.8
17.5°	270.1	260.4	271.3	260.4	271.6
20°	276.1	268.4	277.5	268.4	278.4
22.5°	282.9	277.2	284.6	277.2	286.4
25°	291.7	287.9	293.8	288.5	295.0
27.5°	302.1	299.4	304.2	300.3	305.3
30°	314.2	313.3	315.7	313.9	316.9
32.5°	327.8	329.9	329.9	329.9	331.1
35°	347.7	349.4	349.4	350.0	350.3
37.5°	366.6	369.6	369.3	370.1	370.1
40°	386.4	390.3	390.3	390.3	390.9
42.5°	408.3	412.5	413.1	411.3	412.5
45°	432.9	434.4	435.8	434.9	437.0
47.5°	459.2	460.7	461.9	460.7	463.9
50°	490.3	490.0	493.2	490.0	494.7
52.5°	522.8	525.5	527.6	524.3	527.6
55°	559.5	558.6	565.4	561.0	565.4
57.5°	599.8	599.8	606.6	602.4	607.4
60°	647.4	643.5	653.0	646.2	653.0
62.5°	695.6	688.8	699.5	693.5	702.4
65°	751.2	741.5	751.5	743.8	751.8
67.5°	807.5	796.2	799.5	795.6	800.1
70°	879.7	878.2	874.3	885.6	875.8
72.5°	803.3	820.5	806.6	833.5	815.2
75°	493.5	525.2	542.6	570.2	565.7
77.5°	116.9	103.9	114.5	102.7	115.7
80°	43.2	39.4	41.1	35.8	39.9
82.5°	29.6	25.7	24.9	19.8	21.3
85°	18.9	15.4	14.2	11.8	13.0
87.5°	11.2	8.6	8.0	6.8	7.1
90°	11.3	8.7	9.4	7.6	9.1
92.5°	6.0	6.0	6.0	6.0	6.0
95°	7.0	7.0	7.0	7.0	7.0
97.5°	8.5	8.2	8.0	8.0	8.0
100°	21.0	20.0	19.0	19.0	19.0
102.5°	40.5	39.8	39.0	38.5	38.0
105°	63.0	62.0	61.0	61.0	61.0
107.5°	88.5	87.8	87.0	86.5	86.0
110°	117.5	116.8	116.0	116.5	117.0



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

CANDELA DISTRIBUTION (continued):

	80°	82.5°	85°	87.5°	90°
112.5°	148.0	147.5	147.0	147.0	147.0
115°	178.0	177.5	177.0	177.5	178.0
117.5°	209.0	208.5	208.0	208.5	209.0
120°	244.0	243.5	243.0	243.0	243.0
122.5°	277.0	276.5	276.0	276.5	277.0
125°	310.0	310.0	310.0	310.0	310.0
127.5°	345.5	345.2	345.0	346.0	347.0
130°	380.0	379.5	379.0	379.5	380.0
132.5°	414.0	414.0	414.0	414.5	415.0
135°	448.5	449.2	450.0	450.5	451.0
137.5°	478.5	479.8	481.0	481.5	482.0
140°	506.5	507.8	509.0	510.0	511.0
142.5°	533.5	533.8	534.0	535.0	536.0
145°	559.5	558.8	558.0	559.0	560.0
147.5°	584.5	583.8	583.0	584.0	585.0
150°	604.5	605.2	606.0	608.0	610.0
152.5°	620.5	621.8	623.0	625.5	628.0
155°	637.0	637.5	638.0	639.5	641.0
157.5°	650.0	650.0	650.0	652.5	655.0
160°	660.5	660.2	660.0	663.0	666.0
162.5°	669.0	668.5	668.0	671.0	674.0
165°	679.0	678.5	678.0	680.0	682.0
167.5°	688.0	688.0	688.0	691.0	694.0
170°	695.0	695.5	696.0	698.5	701.0
172.5°	695.0	695.5	696.0	698.5	701.0
175°	695.0	694.5	694.0	696.5	699.0
177.5°	699.5	698.8	698.0	700.0	702.0
180°	700.0	700.0	700.0	700.0	700.0

(END OF REPORT)