

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: P271437

Luminaire Tested: **ISC-AF-350-LED-E1-T2-7027-ULG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P271437  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29758)-DOWNLIGHT AND  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: ISC-AF-350-LED-E1-T2-7027-ULG  
Description: IMPACT ELITE LED CYLINDER LUMINAIRE WITH UPLIGHT  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II, WITH UPLIGHT GLOW  
Light Source: (16) 2700K CCT, 70 CRI LEDs and (1) UPLIGHT LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

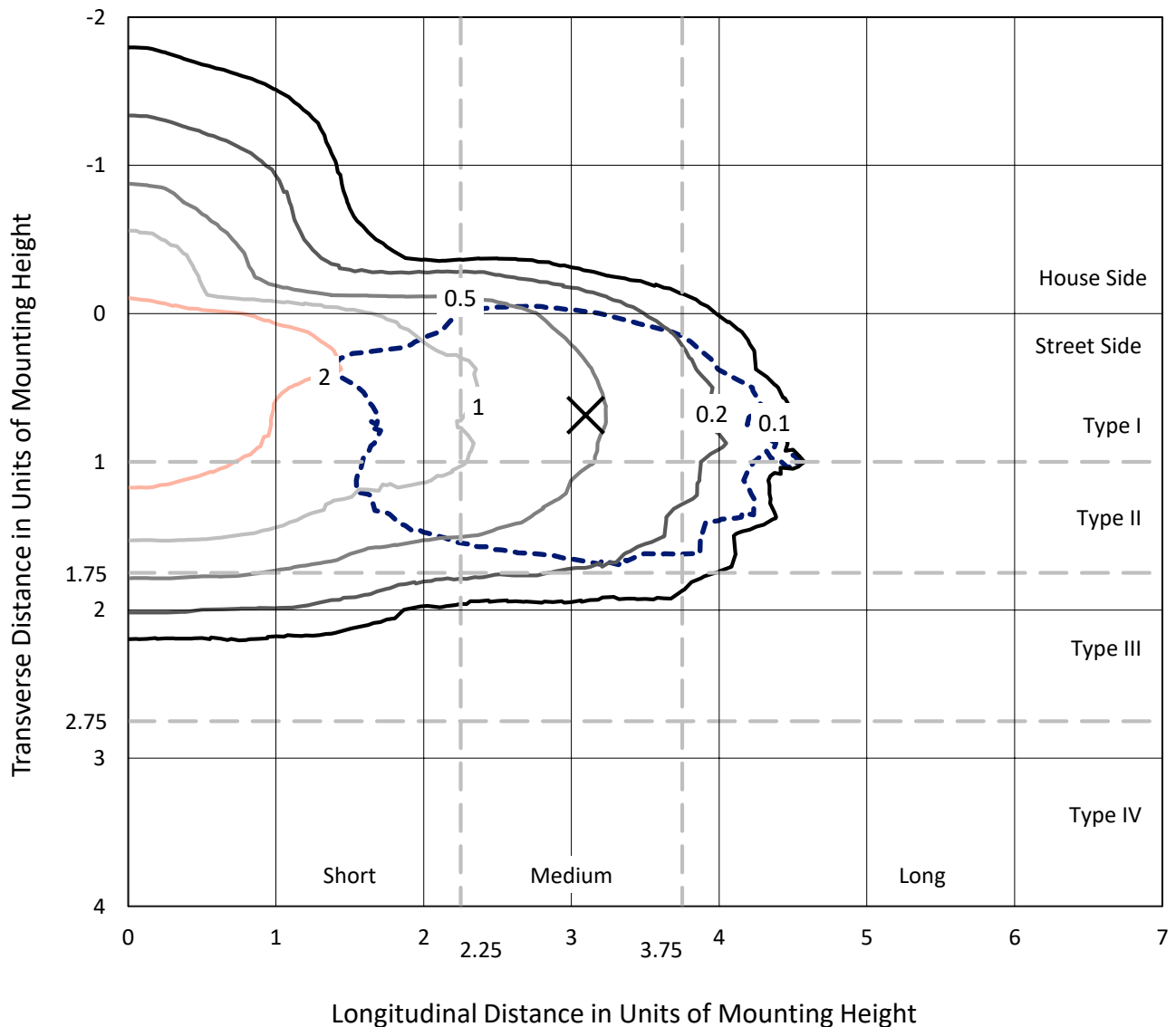
Lumens per Lamp: N/A  
Luminaire Lumens: 3429.5 lumens  
Efficiency: N/A  
Efficacy: 93.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')  
IES Classification: Type II - Medium - Non-Cutoff  
BUG Rating: B0 - U5 - G1  
  
Input Watts (W): 36.79  
Input Voltage (V): 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

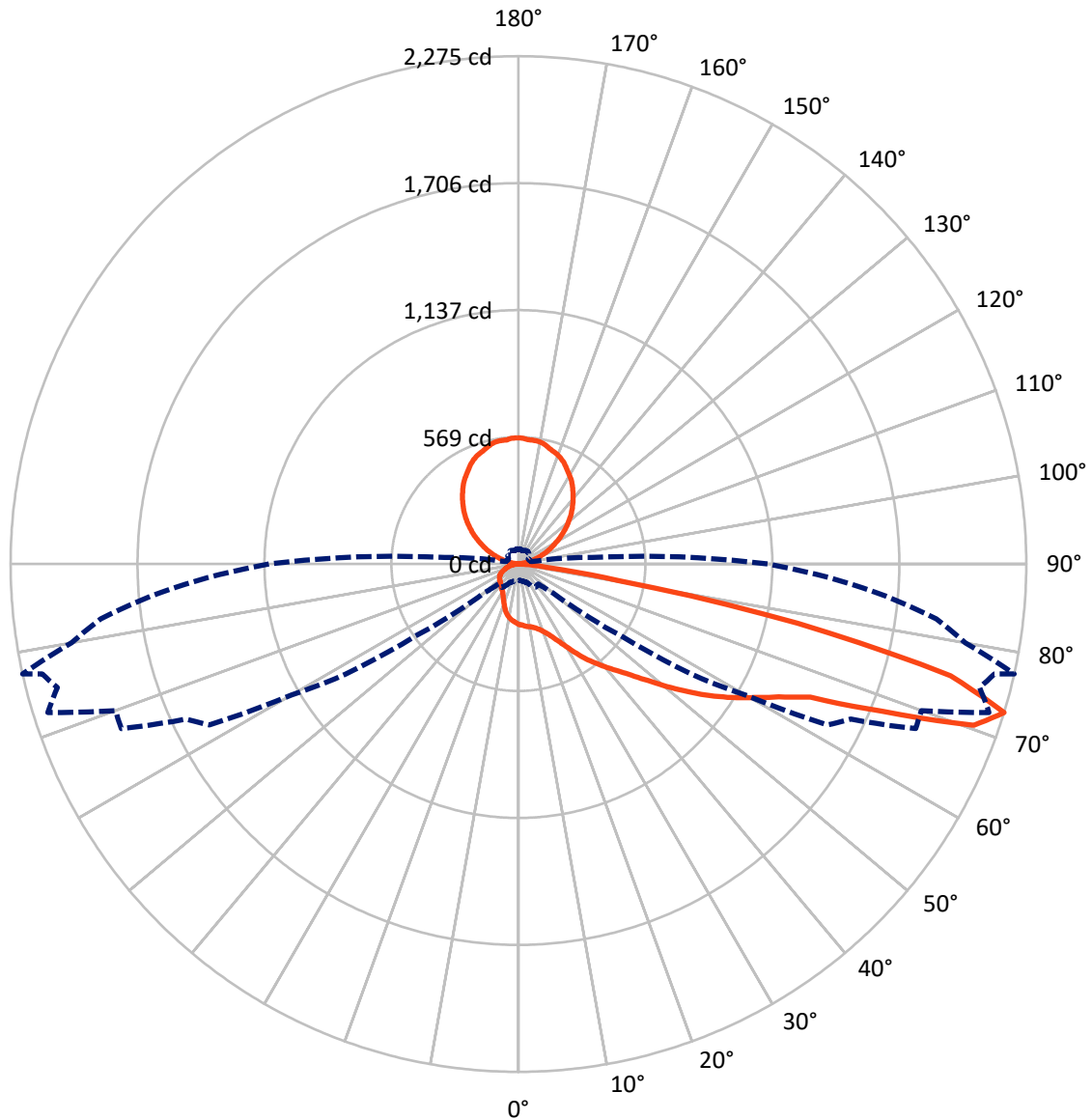
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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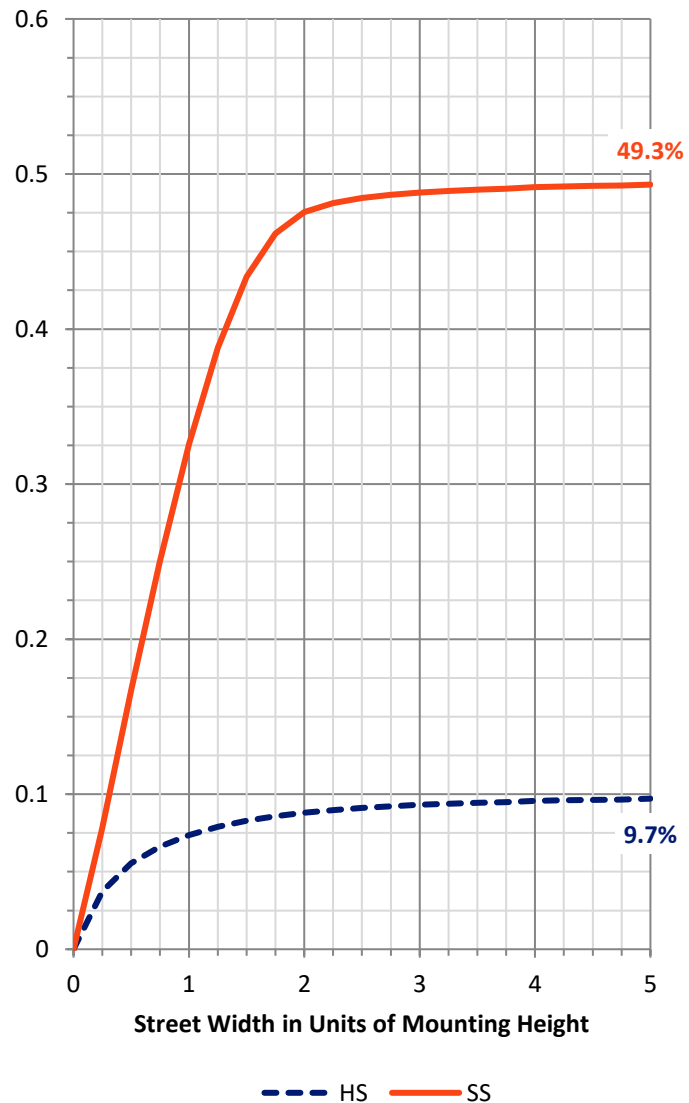
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	336.3	699.9	1036.2
	% Fixture	9.8	20.4	30.2
<b>Street Side</b>	Lumens	1693.4	699.9	2393.3
	% Fixture	49.4	20.4	69.8
<b>Total</b>	Lumens	2029.7	1399.8	3429.5
	% Fixture	59.2	40.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.2	0.7
10°-20°	77.2	2.3
20°-30°	137.0	4.0
30°-40°	217.1	6.3
40°-50°	325.7	9.5
50°-60°	422.0	12.3
60°-70°	479.5	14.0
70°-80°	318.2	9.3
80°-90°	27.8	0.8
90°-100°	4.7	0.1
100°-110°	67.7	2.0
110°-120°	150.2	4.4
120°-130°	219.7	6.4
130°-140°	260.7	7.6
140°-150°	264.3	7.7
150°-160°	226.8	6.6
160°-170°	152.2	4.4
170°-180°	53.3	1.6
0°-90°	2029.7	59.2
0°-180°	3429.5	100.0



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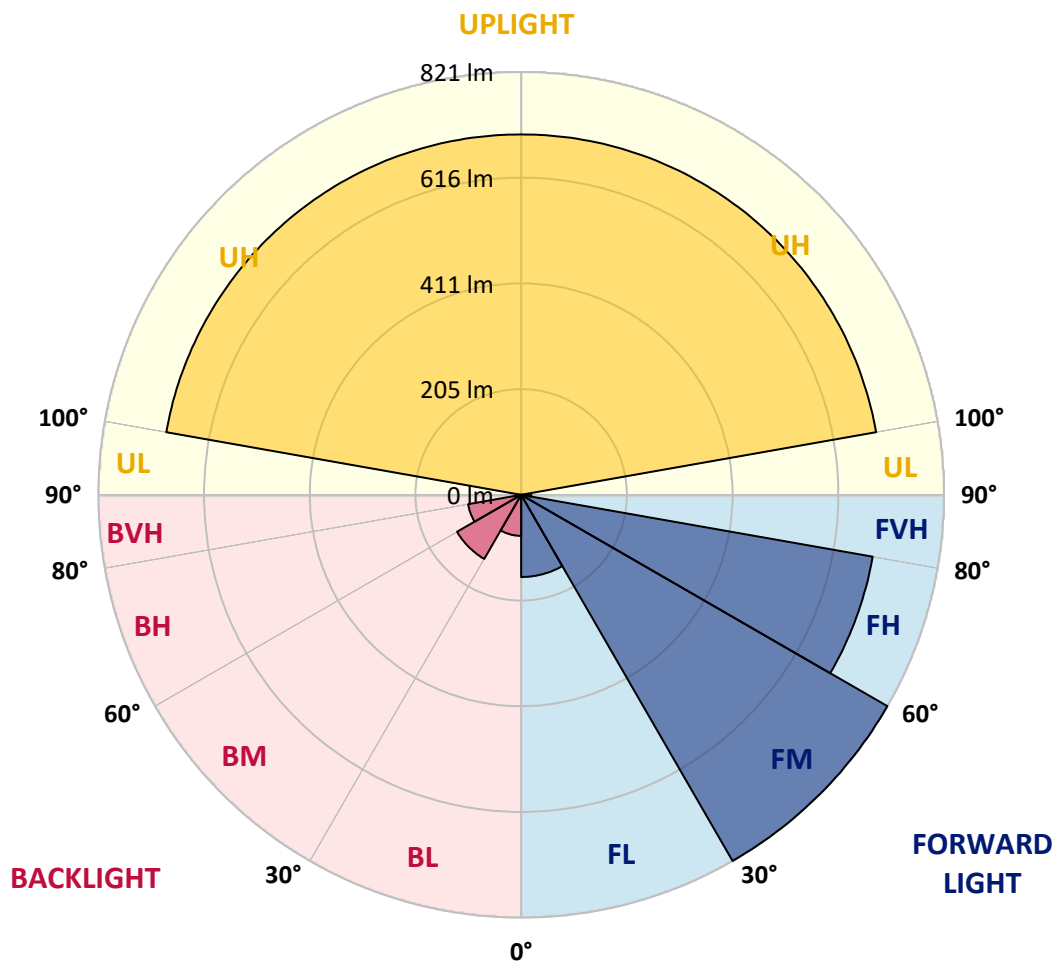
CATALOG NUMBER: ISC-AF-350-LED-E1-T2-7027-ULG

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	159.7	4.7			
FM (30°-60°)	821.1	23.9			
FH (60°-80°)	693.1	20.2			G1/1800
FVH (80°-90°)	19.4	0.6			G1/100
BL (0°-30°)	79.7	2.3	B0/110		
BM (30°-60°)	143.7	4.2	B0/220		
BH (60°-80°)	104.6	3.0	B0/110		G0/110
BVH (80°-90°)	8.4	0.2			G0/10
UL (90°-100°)	4.7	0.1		U1/10	
UH (100°-180°)	699.9	20.4		U4/1000	

**BUG Rating: B0-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°	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0
2.5°	293.6	292.2	291.5	290.2	288.7	288.1	286.1	284.8	286.8	286.1	286.1
5°	315.5	314.0	312.0	310.1	307.3	305.2	303.2	301.1	302.5	301.1	299.8
7.5°	333.3	331.9	329.2	327.2	324.4	321.6	318.9	318.2	316.8	314.8	314.0
10°	343.5	342.2	340.7	339.4	335.3	333.3	329.9	327.8	328.5	325.7	325.7
12.5°	353.1	351.8	351.1	351.1	347.6	345.6	344.2	342.2	343.5	339.4	338.0
15°	361.9	360.7	358.6	360.7	360.0	359.3	358.6	358.0	360.0	355.9	356.5
17.5°	376.4	375.7	371.6	368.8	369.6	371.6	373.0	372.3	372.3	370.2	370.9
20°	398.9	398.9	393.5	388.7	381.2	381.2	381.9	381.2	382.6	383.9	386.0
22.5°	416.1	414.7	412.6	408.5	400.4	393.5	393.5	390.8	392.8	393.5	397.6
25°	437.9	436.7	431.8	431.8	423.6	414.7	413.3	409.3	414.0	405.1	412.0
27.5°	464.6	463.3	457.1	454.5	450.3	439.3	436.7	437.3	442.1	429.1	435.9
30°	498.2	496.9	489.3	481.9	474.9	463.3	461.9	461.3	472.1	457.1	466.0
32.5°	540.6	540.6	532.4	522.2	508.5	492.7	487.2	487.9	503.1	486.6	501.6
35°	605.0	596.7	581.7	565.9	551.6	533.1	525.6	524.3	537.8	521.5	538.5
37.5°	646.0	640.5	626.8	615.2	599.5	581.7	576.3	578.3	589.8	565.9	590.5
40°	683.0	682.4	673.4	665.8	650.1	632.4	639.1	666.5	697.4	650.8	651.5
42.5°	707.7	709.0	708.3	709.0	700.0	681.6	693.2	731.6	784.3	756.9	731.6
45°	711.6	716.5	718.6	732.3	741.1	730.2	736.4	776.8	882.1	924.5	810.3
47.5°	722.0	726.8	722.7	739.0	780.2	779.5	804.2	819.2	833.5	840.4	926.6
50°	735.7	744.5	740.5	754.1	787.6	806.9	828.1	847.2	835.6	792.5	815.8
52.5°	736.4	746.6	769.2	783.0	815.8	811.6	826.0	815.8	833.5	789.0	811.6
55°	676.2	678.2	743.9	813.0	870.5	858.9	850.0	826.7	849.3	793.8	822.6
57.5°	581.0	587.9	656.3	772.6	895.8	906.1	903.3	901.3	919.1	845.1	876.7
60°	476.3	484.5	549.5	686.5	843.1	869.8	906.7	929.4	975.2	945.7	997.7
62.5°	297.0	303.2	375.0	546.1	743.9	796.5	850.7	877.4	943.7	957.4	1045.6
65°	141.7	143.7	171.8	297.0	540.6	639.9	719.9	776.8	858.2	919.8	1038.8
67.5°	110.2	110.9	121.1	158.1	277.1	343.5	434.6	509.9	596.7	765.1	912.9
70°	88.2	88.2	96.5	116.3	171.8	180.6	203.9	229.2	266.2	401.7	521.5
72.5°	73.9	73.9	79.4	91.6	127.3	129.4	128.0	125.9	125.9	158.8	202.6
75°	62.3	61.6	64.9	73.2	94.4	97.2	95.8	91.0	85.6	85.6	96.5
77.5°	50.7	50.7	53.4	57.5	68.5	69.8	69.8	65.7	60.9	61.6	66.4
80°	39.6	39.6	41.7	44.5	47.9	47.3	47.3	43.1	39.6	39.0	41.7
82.5°	28.7	29.5	34.2	32.2	30.8	28.7	28.7	28.0	25.3	23.3	24.6
85°	8.9	9.6	16.3	19.1	15.7	12.9	12.4	10.3	11.0	8.9	10.3
87.5°	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.0	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	2.0	2.0	2.0	3.0	4.0	5.1	6.4	7.6	8.8	9.8	10.8
100°	7.8	7.8	9.8	13.7	21.6	23.5	25.5	27.5	29.5	29.9	30.5
102.5°	27.5	27.5	31.4	37.3	44.2	45.4	46.6	47.9	49.0	49.2	49.6
105°	53.0	53.0	55.0	59.8	64.8	65.8	66.7	67.7	68.7	68.9	69.2
107.5°	76.5	75.5	78.5	82.5	86.3	87.1	87.9	88.6	89.3	89.8	90.3
110°	99.2	100.1	101.1	104.0	108.0	108.4	109.0	109.4	110.0	110.4	110.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
112.5°	121.7	121.7	123.7	126.6	129.5	130.1	130.5	131.1	131.5	132.1	132.5
115°	143.3	144.3	146.2	148.2	151.2	151.6	152.2	152.6	153.1	153.6	154.1
117.5°	165.8	166.8	168.8	170.8	173.7	174.2	174.7	175.2	175.7	175.9	176.2
120°	189.5	191.4	192.3	194.3	197.3	197.4	197.8	198.1	198.3	198.7	199.2
122.5°	215.0	216.0	216.9	218.8	221.8	222.0	222.3	222.6	222.8	223.0	223.3
125°	239.5	241.5	242.5	243.4	246.3	246.6	246.9	247.1	247.3	247.6	247.8
127.5°	262.0	264.0	265.0	267.0	269.0	269.4	269.9	270.4	270.9	271.4	271.8
130°	284.7	286.6	287.5	288.5	292.5	292.7	292.9	293.3	293.5	293.9	294.5
132.5°	307.2	308.2	311.2	312.1	315.0	315.2	315.6	315.8	316.0	316.8	317.6
135°	329.8	330.8	332.7	334.7	338.6	338.6	338.6	338.6	338.6	339.4	340.1
137.5°	352.3	353.3	356.3	357.3	360.2	360.2	360.2	360.2	360.2	360.7	361.2
140°	375.0	375.9	377.8	378.8	380.8	381.0	381.3	381.6	381.8	382.0	382.3
142.5°	396.5	398.5	400.5	399.5	402.4	402.4	402.4	402.4	402.4	402.9	403.4
145°	417.2	418.1	420.0	420.0	423.0	423.2	423.6	423.8	424.0	424.4	425.0
147.5°	435.8	435.8	438.7	439.7	443.7	443.9	444.1	444.4	444.6	444.8	445.1
150°	452.5	453.5	455.4	456.4	460.3	460.5	460.8	461.1	461.3	461.5	461.8
152.5°	470.2	471.1	474.0	473.0	476.0	476.2	476.6	476.8	477.0	477.2	477.4
155°	489.8	490.7	492.7	491.7	493.7	493.7	493.7	493.7	493.7	493.9	494.2
157.5°	503.5	505.5	507.5	506.5	509.4	509.4	509.4	509.4	509.4	509.4	509.4
160°	515.3	517.2	519.2	519.2	522.2	522.2	522.2	522.2	522.2	522.2	522.2
162.5°	525.1	526.0	529.0	528.0	531.0	531.0	531.0	531.0	531.0	531.2	531.4
165°	535.9	536.8	538.8	537.8	541.8	541.8	541.8	541.8	541.8	541.9	542.3
167.5°	544.7	545.7	548.7	547.7	550.6	550.4	550.1	549.9	549.7	549.7	549.7
170°	551.6	552.5	555.5	554.5	556.5	556.3	556.1	555.7	555.5	555.3	555.1
172.5°	554.5	555.5	558.5	556.5	558.5	558.3	557.9	557.7	557.5	557.7	557.9
175°	556.5	558.5	559.5	558.5	561.4	561.4	561.4	561.4	561.4	561.6	561.9
177.5°	561.4	562.4	564.3	563.3	567.3	567.1	566.8	566.5	566.3	566.3	566.3
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3





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**CANDELA DISTRIBUTION (continued):**

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77°
0°	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0
2.5°	282.7	284.0	281.3	281.3	277.8	279.9	276.5	277.1	273.7	275.2	275.2
5°	296.4	297.0	293.6	292.2	288.7	288.7	285.4	285.4	280.6	282.0	280.6
7.5°	309.4	309.4	306.0	303.2	299.8	298.3	294.3	292.2	288.1	287.4	285.4
10°	320.2	320.2	315.5	312.7	308.7	306.6	301.1	299.0	294.3	290.8	288.7
12.5°	334.0	332.6	327.2	324.4	317.6	316.8	308.7	307.3	300.4	298.3	294.9
15°	350.4	351.8	342.8	342.2	332.6	331.9	321.0	320.2	310.1	309.4	304.5
17.5°	368.1	370.9	363.4	362.6	351.1	351.1	338.0	337.3	323.7	323.0	316.8
20°	383.9	387.3	382.6	383.9	373.7	374.3	360.0	360.0	340.7	339.4	334.0
22.5°	398.3	405.1	401.0	408.5	398.3	403.1	383.9	387.3	364.7	361.9	353.8
25°	412.6	421.6	420.1	432.5	425.0	433.3	413.3	420.1	390.8	392.8	381.9
27.5°	427.1	438.6	437.3	455.1	452.4	468.7	451.7	459.2	427.1	429.1	416.7
30°	450.9	464.0	459.2	477.7	477.7	504.4	491.4	503.1	467.4	471.5	457.1
32.5°	483.2	498.2	483.8	507.8	506.5	541.3	531.1	550.9	516.0	521.5	503.7
35°	518.1	541.9	518.7	545.5	541.3	577.6	570.7	602.9	565.9	572.1	554.3
37.5°	563.9	592.6	561.8	585.2	566.7	608.4	604.3	648.0	610.5	626.2	605.0
40°	617.9	640.5	602.2	622.1	591.3	634.5	627.6	687.7	652.9	678.2	659.1
42.5°	667.9	683.7	633.0	657.6	620.7	664.5	652.2	724.8	694.6	733.6	712.4
45°	713.1	731.0	663.8	691.2	650.1	698.1	676.9	760.3	739.8	798.6	777.4
47.5°	777.4	751.4	691.9	727.4	681.6	734.4	706.2	802.1	794.6	878.0	853.4
50°	756.2	773.4	715.1	752.2	710.4	774.7	743.9	852.0	854.1	964.2	949.9
52.5°	758.3	786.9	732.9	784.3	743.9	830.8	798.6	912.2	921.8	1047.7	1027.9
55°	770.6	813.0	759.7	828.8	791.0	893.1	870.5	977.3	993.6	1126.5	1114.8
57.5°	801.4	860.3	805.5	895.8	856.8	964.2	943.7	1044.3	1066.8	1205.2	1201.8
60°	919.8	989.6	893.7	993.6	941.6	1045.0	1017.6	1114.8	1137.3	1280.4	1289.2
62.5°	1051.8	1173.0	1116.1	1220.2	1082.6	1187.3	1106.6	1201.8	1203.1	1361.1	1389.2
65°	1086.1	1272.2	1320.8	1514.5	1442.6	1550.0	1334.5	1398.1	1315.9	1508.3	1548.7
67.5°	1073.0	1300.9	1435.7	1654.0	1735.4	1923.0	1886.7	1864.8	1674.6	1812.8	1861.4
70°	787.6	1029.3	1359.1	1580.8	1815.6	1938.7	2133.8	2153.7	2145.4	2126.3	2158.4
72.5°	358.6	562.5	919.8	1173.0	1560.3	1643.1	1925.8	1920.3	2210.4	2138.5	2189.2
75°	140.9	216.9	437.9	655.0	1079.2	1181.2	1501.4	1422.1	1784.1	1678.8	1786.8
77.5°	77.3	97.2	164.2	281.3	589.2	643.3	919.1	786.4	1106.6	923.9	960.2
80°	46.5	58.2	75.3	106.8	250.4	264.8	392.1	316.1	452.4	343.5	333.3
82.5°	25.3	31.5	37.5	52.7	93.1	103.3	135.6	121.8	145.1	123.9	121.1
85°	10.3	13.7	14.4	21.2	30.8	35.7	43.1	46.5	56.9	52.0	50.7
87.5°	0.0	0.7	0.0	1.3	0.0	1.3	0.0	2.1	2.1	3.4	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	11.8	12.8	11.3	9.8	8.4	6.8	6.4	5.9	5.4	4.9	4.7
100°	30.9	31.4	30.9	30.5	29.9	29.5	28.7	27.9	27.3	26.5	26.3
102.5°	49.9	50.0	49.9	49.6	49.2	49.0	48.6	48.1	47.6	47.1	47.3
105°	69.5	69.7	69.7	69.7	69.7	69.7	69.2	68.7	68.2	67.7	68.1
107.5°	90.8	91.3	91.1	90.8	90.5	90.3	90.1	89.8	89.5	89.3	89.5
110°	111.4	111.9	111.9	111.9	111.9	111.9	111.7	111.4	111.1	110.9	111.1



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CATALOG NUMBER: ISC-AF-350-LED-E1-T2-7027-ULG

**CANDELA DISTRIBUTION (continued):**

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77°
112.5°	132.9	133.5	133.5	133.5	133.5	133.5	133.3	132.9	132.7	132.5	132.9
115°	154.6	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.5
117.5°	176.4	176.7	176.9	177.1	177.4	177.7	177.4	177.1	176.9	176.7	177.1
120°	199.7	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.6
122.5°	223.6	223.8	223.8	223.8	223.8	223.8	223.9	224.3	224.6	224.8	225.6
125°	248.1	248.3	248.5	248.8	249.1	249.3	249.3	249.3	249.3	249.3	249.9
127.5°	272.4	272.8	272.6	272.4	272.1	271.8	272.1	272.4	272.6	272.8	273.4
130°	294.9	295.5	295.5	295.5	295.5	295.5	295.6	295.9	296.2	296.4	297.0
132.5°	318.2	319.0	319.0	319.0	319.0	319.0	319.2	319.4	319.8	320.0	320.5
135°	340.7	341.5	341.5	341.5	341.5	341.5	341.7	342.1	342.3	342.5	343.0
137.5°	361.7	362.2	362.2	362.2	362.2	362.2	362.4	362.6	362.9	363.2	363.9
140°	382.6	382.8	382.8	382.8	382.8	382.8	383.3	383.8	384.3	384.7	385.6
142.5°	403.9	404.3	404.3	404.3	404.3	404.3	404.6	404.9	405.1	405.3	405.9
145°	425.4	426.0	425.8	425.4	425.2	425.0	425.2	425.4	425.8	426.0	426.5
147.5°	445.4	445.6	445.1	444.6	444.1	443.7	443.9	444.1	444.4	444.6	445.2
150°	462.1	462.3	461.8	461.3	460.8	460.3	460.3	460.3	460.3	460.3	461.1
152.5°	477.8	478.0	477.8	477.4	477.2	477.0	477.0	477.0	477.0	477.0	477.6
155°	494.4	494.7	494.4	494.2	493.9	493.7	493.9	494.2	494.4	494.7	495.2
157.5°	509.4	509.4	508.9	508.4	507.9	507.5	507.6	507.9	508.2	508.4	509.4
160°	522.2	522.2	521.6	521.2	520.7	520.2	520.2	520.2	520.2	520.2	520.7
162.5°	531.8	532.0	531.4	531.0	530.4	530.0	529.6	529.0	528.6	528.0	528.5
165°	542.6	542.8	541.9	541.3	540.6	539.8	539.3	538.8	538.4	537.8	538.3
167.5°	549.7	549.7	549.1	548.7	548.1	547.7	547.9	548.1	548.4	548.7	549.4
170°	554.7	554.5	554.3	554.1	553.7	553.5	554.1	554.5	555.1	555.5	556.5
172.5°	558.3	558.5	557.9	557.5	556.9	556.5	556.7	556.9	557.3	557.5	558.0
175°	562.2	562.4	561.6	560.9	560.3	559.5	558.9	558.5	557.9	557.5	558.0
177.5°	566.3	566.3	565.6	564.9	564.1	563.3	563.3	563.3	563.3	563.3	564.0
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3



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CATALOG NUMBER: ISC-AF-350-LED-E1-T2-7027-ULG

**CANDELA DISTRIBUTION (continued):**

	77.5°	80°	82.5°	85°	87.5°	90°	95°	100°	102.5°	105°	107.5°
0°	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0
2.5°	273.1	275.2	272.4	272.4	269.0	271.0	269.0	266.9	263.5	264.1	259.4
5°	277.8	279.2	275.8	274.4	272.4	271.6	267.5	263.5	258.7	258.7	253.2
7.5°	282.7	282.7	277.8	277.8	273.1	271.6	265.4	258.7	251.9	251.2	242.9
10°	285.4	284.8	278.6	278.6	271.6	271.0	263.5	253.2	243.6	240.8	229.2
12.5°	290.8	290.2	282.7	281.3	272.4	272.4	261.5	247.8	234.1	229.2	212.8
15°	297.7	298.3	289.4	287.4	277.1	276.5	261.5	240.8	222.4	214.9	195.0
17.5°	308.7	309.4	297.0	294.9	282.7	280.6	262.1	232.8	206.7	198.4	180.6
20°	323.0	321.0	304.5	303.9	287.4	285.4	261.5	220.4	190.9	182.7	166.9
22.5°	340.7	338.8	317.6	315.5	296.4	292.8	260.8	207.4	176.6	167.6	157.5
25°	365.4	362.6	336.8	334.0	310.1	304.5	260.1	193.7	164.2	157.5	151.3
27.5°	396.2	390.8	359.3	356.5	324.4	317.6	257.4	178.0	151.9	147.1	144.4
30°	433.3	428.4	388.0	383.9	343.5	334.7	254.6	163.5	143.0	140.9	138.9
32.5°	477.0	472.1	422.9	418.1	368.1	355.2	249.8	151.9	137.5	137.5	134.8
35°	522.8	518.7	460.7	457.1	395.5	378.5	243.6	141.7	132.8	132.8	130.1
37.5°	563.9	567.3	501.6	498.9	422.9	401.7	236.8	134.8	128.6	127.3	124.5
40°	608.4	616.6	539.9	541.9	451.7	426.3	228.6	129.4	123.9	122.5	121.8
42.5°	653.6	669.2	580.3	587.9	480.4	451.7	222.4	125.9	121.8	119.0	118.4
45°	709.8	732.3	630.3	644.6	513.9	482.5	220.4	121.8	115.6	112.3	110.2
47.5°	779.5	809.6	691.9	708.3	558.5	519.4	224.5	120.5	111.6	107.4	103.3
50°	862.2	891.0	765.1	771.9	608.4	559.8	233.4	122.5	110.2	104.0	97.8
52.5°	949.9	971.8	842.4	835.0	660.4	599.5	243.6	123.2	106.8	100.6	93.1
55°	1040.1	1052.5	914.3	894.4	707.7	639.1	257.4	122.5	104.0	97.2	87.6
57.5°	1128.5	1132.7	978.0	958.9	754.1	686.5	274.4	120.5	99.9	93.1	82.8
60°	1214.7	1221.5	1048.4	1030.6	804.8	747.3	299.0	117.0	94.4	89.7	78.7
62.5°	1309.2	1331.7	1132.7	1135.4	874.6	842.4	345.6	112.8	88.9	83.5	72.5
65°	1437.7	1524.1	1271.6	1335.8	1008.8	1021.7	434.6	101.3	81.5	74.6	67.0
67.5°	1760.0	1854.6	1609.0	1634.9	1322.8	1245.5	490.7	86.2	71.9	67.0	62.3
70°	2163.8	2096.1	1921.7	1764.2	1506.3	1280.4	431.8	72.5	63.6	60.9	58.2
72.5°	2274.8	2031.9	1888.1	1652.1	1392.6	1116.9	330.6	62.3	56.9	55.4	53.4
75°	1999.0	1647.2	1655.5	1312.5	1154.5	851.3	225.8	53.4	49.2	48.6	47.9
77.5°	1278.4	846.6	1030.6	648.8	666.5	394.2	110.2	44.5	42.4	42.4	41.1
80°	454.5	282.0	318.9	204.6	186.2	125.2	59.6	35.7	34.2	34.9	34.2
82.5°	136.3	108.2	106.1	82.8	64.3	52.7	32.9	27.4	26.1	26.7	25.3
85°	54.8	42.4	35.7	27.4	22.5	20.5	17.8	18.4	16.3	17.8	15.7
87.5°	3.4	2.8	2.1	2.8	0.0	1.3	3.4	2.8	0.7	2.8	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	4.7	4.4	4.1	4.0	4.0	4.0	4.0	4.4	4.7	4.9	5.4
100°	26.3	26.1	25.7	25.5	25.1	24.5	25.5	26.1	26.3	26.5	27.3
102.5°	47.3	47.6	47.9	48.1	47.6	47.1	48.1	47.6	47.3	47.1	47.6
105°	68.2	68.7	69.2	69.7	68.7	67.7	69.7	68.7	68.2	67.7	68.2
107.5°	89.5	89.8	90.1	90.3	89.8	89.3	90.3	89.8	89.5	89.3	89.5
110°	111.1	111.4	111.7	111.9	111.4	110.9	111.9	111.4	111.1	110.9	111.1



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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	77.5°	80°	82.5°	85°	87.5°	90°	95°	100°	102.5°	105°	107.5°	
112.5°	132.9	133.5	133.9	134.5	133.5	132.5	134.5	133.5	132.9	132.5	132.7	0°
115°	155.6	156.0	156.6	157.0	156.6	156.0	157.0	156.0	155.6	155.0	155.0	2.5°
117.5°	177.1	177.7	178.1	178.7	177.7	176.7	178.7	177.7	177.1	176.7	176.9	5°
120°	200.7	201.2	201.7	202.2	201.2	200.2	202.2	201.2	200.7	200.2	200.2	7.5°
122.5°	225.7	226.7	227.7	228.7	228.2	227.7	228.7	226.7	225.7	224.8	224.6	10°
125°	250.1	250.8	251.4	252.2	251.7	251.3	252.2	250.8	250.1	249.3	249.3	12.5°
127.5°	273.6	274.3	275.0	275.8	274.3	272.8	275.8	274.3	273.6	272.8	272.6	15°
130°	297.2	297.9	298.6	299.3	298.3	297.4	299.3	297.9	297.2	296.4	296.2	17.5°
132.5°	320.8	321.4	322.1	322.9	322.0	321.0	322.9	321.4	320.8	320.0	319.8	20°
135°	343.1	343.5	344.1	344.5	344.1	343.5	344.5	343.5	343.1	342.5	342.3	22.5°
137.5°	364.2	365.1	366.1	367.0	366.1	365.1	367.0	365.1	364.2	363.2	362.9	25°
140°	385.7	386.7	387.7	388.7	387.7	386.7	388.7	386.7	385.7	384.7	384.3	27.5°
142.5°	406.1	406.8	407.5	408.3	407.8	407.3	408.3	406.8	406.1	405.3	405.1	30°
145°	426.8	427.4	428.1	428.9	428.0	427.0	428.9	427.4	426.8	426.0	425.8	32.5°
147.5°	445.4	446.1	446.7	447.5	446.1	444.6	447.5	446.1	445.4	444.6	444.4	35°
150°	461.3	462.3	463.3	464.2	462.8	461.3	464.2	462.3	461.3	460.3	460.3	37.5°
152.5°	477.8	478.4	479.2	480.0	478.4	477.0	480.0	478.4	477.8	477.0	477.0	40°
155°	495.4	496.1	496.9	497.6	496.7	495.7	497.6	496.1	495.4	494.7	494.4	42.5°
157.5°	509.6	510.9	512.1	513.3	511.9	510.3	513.3	510.9	509.6	508.4	508.2	45°
160°	520.9	521.6	522.4	523.2	522.2	521.2	523.2	521.6	520.9	520.2	520.2	47.5°
162.5°	528.6	529.0	529.6	530.0	528.6	527.0	530.0	529.0	528.6	528.0	528.6	50°
165°	538.4	538.8	539.3	539.8	538.8	537.8	539.8	538.8	538.4	537.8	538.4	52.5°
167.5°	549.7	550.6	551.6	552.5	551.6	550.6	552.5	550.6	549.7	548.7	548.4	55°
170°	556.7	557.9	559.3	560.5	559.5	558.5	560.5	557.9	556.7	555.5	555.1	57.5°
172.5°	558.3	558.9	559.6	560.5	558.9	557.5	560.5	558.9	558.3	557.5	557.3	60°
175°	558.3	558.9	559.6	560.5	558.9	557.5	560.5	558.9	558.3	557.5	557.9	62.5°
177.5°	564.1	564.9	565.6	566.3	564.9	563.3	566.3	564.9	564.1	563.3	563.3	65°
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	67.5°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°
												110°

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REPORT NUMBER: P  
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**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	110°	
271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	112.5°	132.9
262.8	258.0	260.1	258.0	259.4	255.3	256.6	253.2	253.2	252.5	249.1	115°	155.0
254.0	249.1	248.4	243.6	244.2	238.8	238.1	232.0	232.0	226.6	216.2	117.5°	177.1
241.6	234.1	233.4	223.8	223.0	215.5	212.8	206.0	205.4	199.2	193.0	120°	200.2
225.8	214.2	212.2	199.9	200.5	192.2	191.6	186.8	186.8	184.2	184.2	122.5°	224.3
208.0	195.0	193.7	184.2	184.8	179.3	180.0	177.2	178.7	180.0	184.8	125°	249.3
191.6	181.4	180.0	173.8	174.5	173.1	175.2	175.2	177.2	180.6	188.8	127.5°	272.4
178.0	169.0	169.7	166.9	169.7	169.0	173.1	172.5	176.6	180.6	190.9	130°	295.9
165.6	160.9	162.9	162.2	165.6	165.6	169.0	169.7	173.1	178.7	190.2	132.5°	319.4
157.5	156.0	158.1	158.1	160.9	161.5	164.9	166.9	169.0	174.5	184.8	135°	342.1
152.6	151.9	154.0	154.7	156.8	157.5	160.9	160.9	164.2	167.6	173.1	137.5°	362.6
145.7	144.4	147.1	147.1	149.8	149.2	153.3	151.9	155.4	156.8	158.1	140°	383.8
140.9	138.9	140.9	140.2	142.3	140.2	142.3	140.2	142.3	142.3	140.2	142.5°	404.9
136.3	134.2	134.8	132.1	134.2	131.4	132.1	129.4	130.7	129.4	130.1	145°	425.4
131.4	128.6	128.6	125.2	125.2	121.8	123.2	120.5	123.2	125.2	124.5	147.5°	444.1
124.5	122.5	122.5	119.7	121.1	119.7	122.5	121.1	121.8	119.0	114.3	150°	460.3
120.5	121.8	121.1	123.2	121.8	119.7	117.7	113.5	112.8	111.6	108.9	152.5°	477.0
114.3	115.6	112.3	114.9	112.8	113.5	112.3	110.2	108.9	107.4	104.7	155°	494.2
105.4	105.4	102.7	106.8	104.7	108.9	107.4	107.4	106.1	104.0	102.0	157.5°	507.9
97.8	98.5	95.8	99.3	97.8	103.3	102.7	104.7	104.7	103.3	97.8	160°	520.2
93.1	91.6	89.7	93.1	92.3	97.2	97.8	102.0	101.3	102.0	97.2	162.5°	529.0
88.9	86.2	84.2	86.2	86.2	90.3	91.6	96.5	97.2	98.5	95.8	165°	538.8
84.2	80.8	79.4	80.8	80.8	84.9	87.0	90.3	92.3	96.5	95.1	167.5°	548.1
80.1	75.3	73.9	75.3	76.0	80.1	82.1	85.6	88.2	93.7	93.1	170°	554.5
75.3	71.1	69.8	71.9	72.5	76.6	78.7	82.1	84.2	90.3	90.3	172.5°	556.9
69.8	66.4	66.4	67.0	68.5	72.5	73.9	78.7	79.4	87.0	87.6	175°	558.5
64.9	62.9	62.9	63.6	64.9	68.5	69.1	73.9	74.6	82.1	84.2	177.5°	563.3
60.9	59.6	59.6	60.3	60.9	63.6	64.3	69.1	70.4	77.3	80.8	180°	565.3
56.9	55.4	54.8	54.8	56.9	58.9	60.3	64.9	65.7	71.9	76.0		
52.0	50.7	50.7	49.9	52.0	53.4	56.1	58.9	60.3	66.4	69.1		
47.3	45.8	45.8	45.2	46.5	49.2	49.9	52.7	53.4	58.9	61.6		
41.1	39.6	39.6	39.6	41.1	41.7	42.4	45.2	46.5	51.3	54.1		
34.2	32.9	33.6	32.9	34.9	32.2	34.2	37.0	38.3	41.1	39.6		
26.1	24.0	24.6	24.6	25.3	23.3	24.6	26.1	27.4	29.5	28.7		
16.3	14.4	15.7	14.4	15.7	13.7	15.0	15.0	16.3	15.0	14.4		
3.4	1.3	3.4	1.3	4.1	0.0	2.1	0.0	1.3	0.7	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
5.9	6.4	6.8	8.4	9.8	11.3	12.8	11.8	10.8	8.8	4.0		
27.9	28.7	29.5	29.9	30.5	30.9	31.4	30.9	30.5	29.5	21.6		
48.1	48.6	49.0	49.2	49.6	49.9	50.0	49.9	49.6	49.0	44.2		
68.7	69.2	69.7	69.7	69.7	69.7	69.7	69.5	69.2	68.7	64.8		
89.8	90.1	90.3	90.5	90.8	91.1	91.3	90.8	90.3	89.3	86.3		
111.4	111.7	111.9	111.9	111.9	111.9	111.9	111.4	110.9	110.0	108.0		

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**TION (continued):**

**CANDELA DISTRIBUTION (con**

112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°		155°	165°
133.3	133.5	133.5	133.5	133.5	133.5	132.9	132.5	131.5	129.5	0°	271.0	271.0
155.0	155.0	155.0	155.0	155.0	155.0	154.6	154.1	153.1	151.2	2.5°	245.7	242.9
177.4	177.7	177.4	177.1	176.9	176.7	176.4	176.2	175.7	173.7	5°	210.8	206.0
200.2	200.2	200.2	200.2	200.2	200.2	199.7	199.2	198.3	197.3	7.5°	189.5	188.1
223.9	223.8	223.8	223.8	223.8	223.8	223.6	223.3	222.8	221.8	10°	185.5	187.5
249.3	249.3	249.1	248.8	248.5	248.3	248.1	247.8	247.3	246.3	12.5°	190.2	193.7
272.1	271.8	272.1	272.4	272.6	272.8	272.4	271.8	270.9	269.0	15°	196.4	202.6
295.6	295.5	295.5	295.5	295.5	295.5	294.9	294.5	293.5	292.5	17.5°	201.2	209.5
319.2	319.0	319.0	319.0	319.0	319.0	318.2	317.6	316.0	315.0	20°	201.8	210.1
341.7	341.5	341.5	341.5	341.5	341.5	340.7	340.1	338.6	338.6	22.5°	195.7	201.2
362.4	362.2	362.2	362.2	362.2	362.2	361.7	361.2	360.2	360.2	25°	180.0	182.7
383.3	382.8	382.8	382.8	382.8	382.8	382.6	382.3	381.8	380.8	27.5°	160.2	159.4
404.6	404.3	404.3	404.3	404.3	404.3	403.9	403.4	402.4	402.4	30°	139.6	138.2
425.2	425.0	425.2	425.4	425.8	426.0	425.4	425.0	424.0	423.0	32.5°	132.1	127.3
443.9	443.7	444.1	444.6	445.1	445.6	445.4	445.1	444.6	443.7	35°	120.5	119.0
460.3	460.3	460.8	461.3	461.8	462.3	462.1	461.8	461.3	460.3	37.5°	116.3	128.0
477.0	477.0	477.2	477.4	477.8	478.0	477.8	477.4	477.0	476.0	40°	111.6	125.9
493.9	493.7	493.9	494.2	494.4	494.7	494.4	494.2	493.7	493.7	42.5°	107.4	115.6
507.6	507.5	507.9	508.4	508.9	509.4	509.4	509.4	509.4	509.4	45°	99.9	103.3
520.2	520.2	520.7	521.2	521.6	522.2	522.2	522.2	522.2	522.2	47.5°	96.5	95.1
529.6	530.0	530.4	531.0	531.4	532.0	531.8	531.4	531.0	531.0	50°	93.7	93.7
539.3	539.8	540.6	541.3	541.9	542.8	542.6	542.3	541.8	541.8	52.5°	91.6	90.3
547.9	547.7	548.1	548.7	549.1	549.7	549.7	549.7	549.7	550.6	55°	88.9	87.6
554.1	553.5	553.7	554.1	554.3	554.5	554.7	555.1	555.5	556.5	57.5°	87.0	83.5
556.7	556.5	556.9	557.5	557.9	558.5	558.3	557.9	557.5	558.5	60°	84.9	81.5
558.9	559.5	560.3	560.9	561.6	562.4	562.2	561.9	561.4	561.4	62.5°	83.5	79.4
563.3	563.3	564.1	564.9	565.6	566.3	566.3	566.3	566.3	567.3	65°	81.5	77.3
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	67.5°	78.7	73.2
										70°	73.2	68.5
										72.5°	67.7	62.3
										75°	59.6	54.8
										77.5°	49.9	44.5
										80°	37.5	34.2
										82.5°	27.4	23.3
										85°	12.4	8.9
										87.5°	0.0	0.0
										90°	0.0	0.0
										92.5°	0.0	0.0
										95°	1.0	1.0
										97.5°	3.0	2.0
										100°	13.7	9.8
										102.5°	37.3	31.4
										105°	59.8	55.0
										107.5°	82.5	78.5
										110°	104.0	101.1



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0-LED-E1-T2-7027-ULG

**tinued):**

175°	180°
271.0	271.0
241.6	240.8
204.6	203.3
188.1	187.5
188.1	188.1
196.4	196.4
206.0	206.0
212.8	213.4
214.9	215.5
204.6	204.6
184.8	184.8
158.8	161.5
135.6	138.2
120.5	122.5
115.6	116.3
127.3	128.0
125.2	126.6
107.4	108.2
96.5	96.5
92.3	91.6
92.3	91.0
95.1	94.4
91.0	91.0
88.9	88.9
87.0	87.0
86.2	85.6
86.2	84.9
84.9	82.8
80.1	74.6
68.5	63.6
55.4	54.8
43.1	43.7
32.9	32.9
24.0	19.9
6.8	6.8
0.0	0.0
0.0	0.0
0.0	0.0
1.0	1.0
2.0	2.0
7.8	7.8
27.5	27.5
53.0	53.0
75.5	76.5
100.1	99.2

**CANDELA DISTRIBUTION (continued):**

	155°	165°	175°
112.5°	126.6	123.7	121.7
115°	148.2	146.2	144.3
117.5°	170.8	168.8	166.8
120°	194.3	192.3	191.4
122.5°	218.8	216.9	216.0
125°	243.4	242.5	241.5
127.5°	267.0	265.0	264.0
130°	288.5	287.5	286.6
132.5°	312.1	311.2	308.2
135°	334.7	332.7	330.8
137.5°	357.3	356.3	353.3
140°	378.8	377.8	375.9
142.5°	399.5	400.5	398.5
145°	420.0	420.0	418.1
147.5°	439.7	438.7	435.8
150°	456.4	455.4	453.5
152.5°	473.0	474.0	471.1
155°	491.7	492.7	490.7
157.5°	506.5	507.5	505.5
160°	519.2	519.2	517.2
162.5°	528.0	529.0	526.0
165°	537.8	538.8	536.8
167.5°	547.7	548.7	545.7
170°	554.5	555.5	552.5
172.5°	556.5	558.5	555.5
175°	558.5	559.5	558.5
177.5°	563.3	564.3	562.4
180°	565.3	565.3	565.3

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180°
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121.7
143.3
165.8
189.5
215.0
239.5
262.0
284.7
307.2
329.8
352.3
375.0
396.5
417.2
435.8
452.5
470.2
489.8
503.5
515.3
525.1
535.9
544.7
551.6
554.5
556.5
561.4
565.3

(END OF REPORT)