

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: P227607

Luminaire Tested: **ISC-AF-350-LED-E1-T2-7030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227607
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-T2-7030-ULG
Description: IMPACT ELITE LED CYLINDER LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II, 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: 3494.2 lumens
Efficiency: N/A
Efficacy: 95.0 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

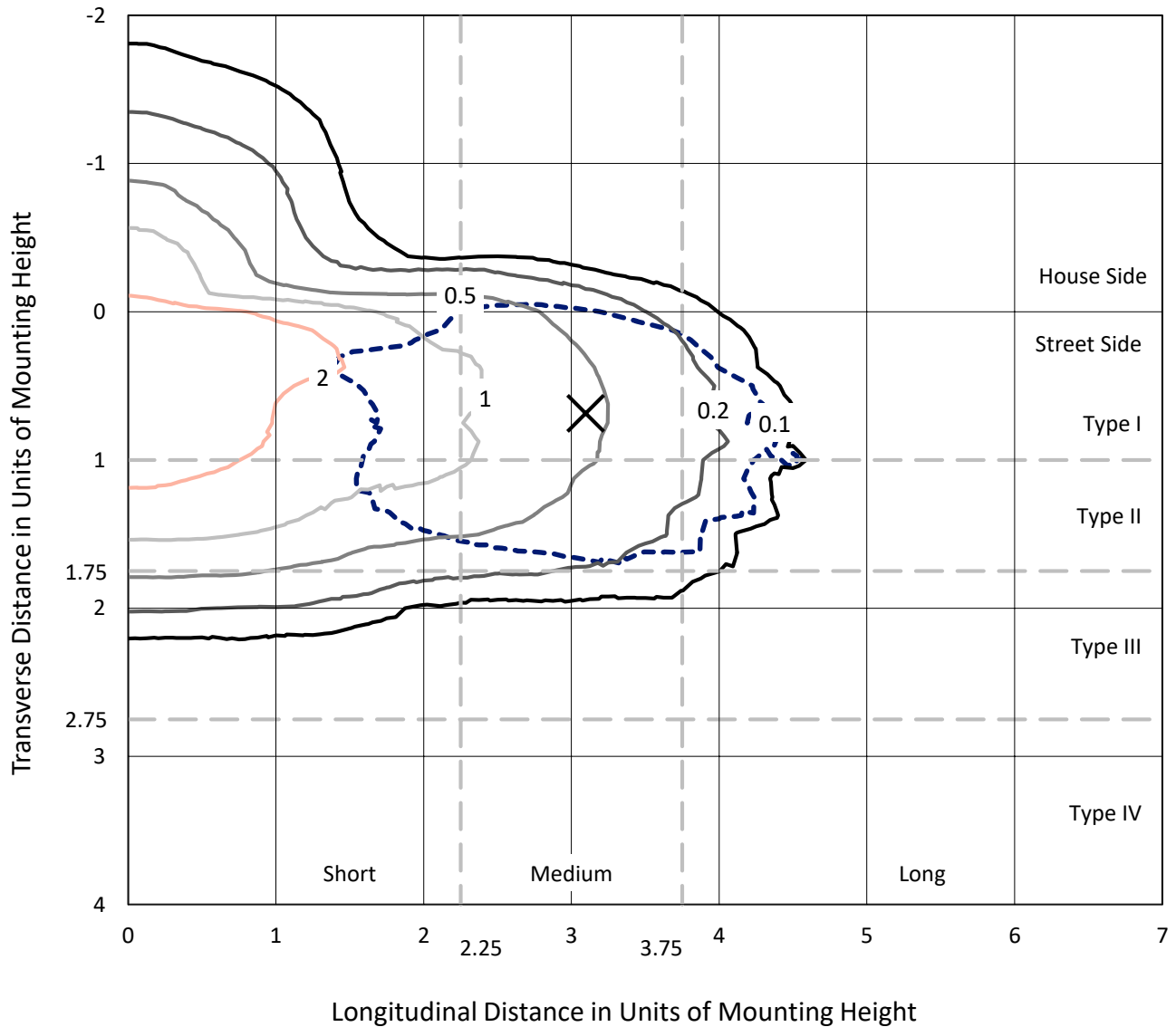


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Iso-Footcandle Lines of Horizontal Illumination

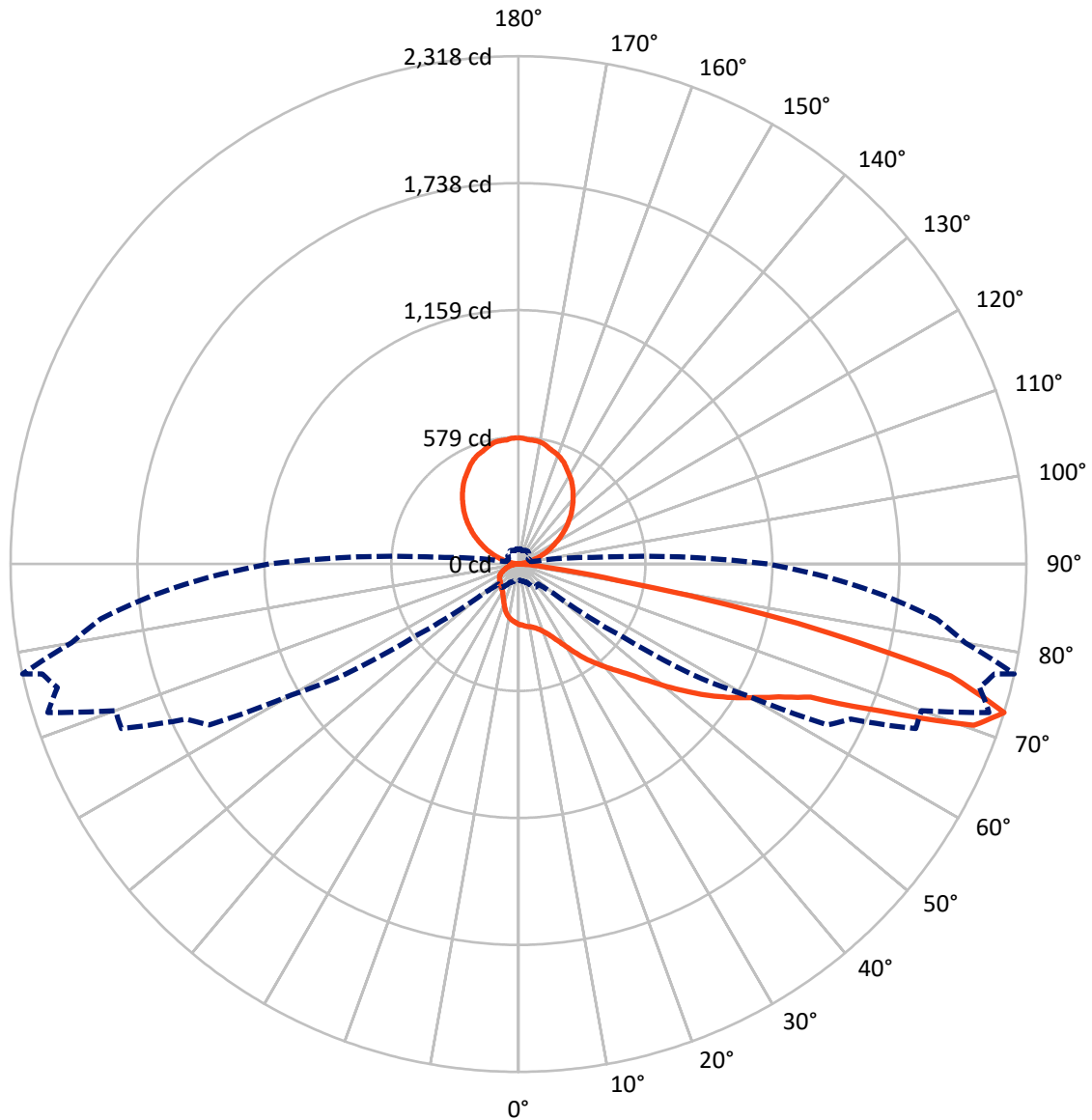
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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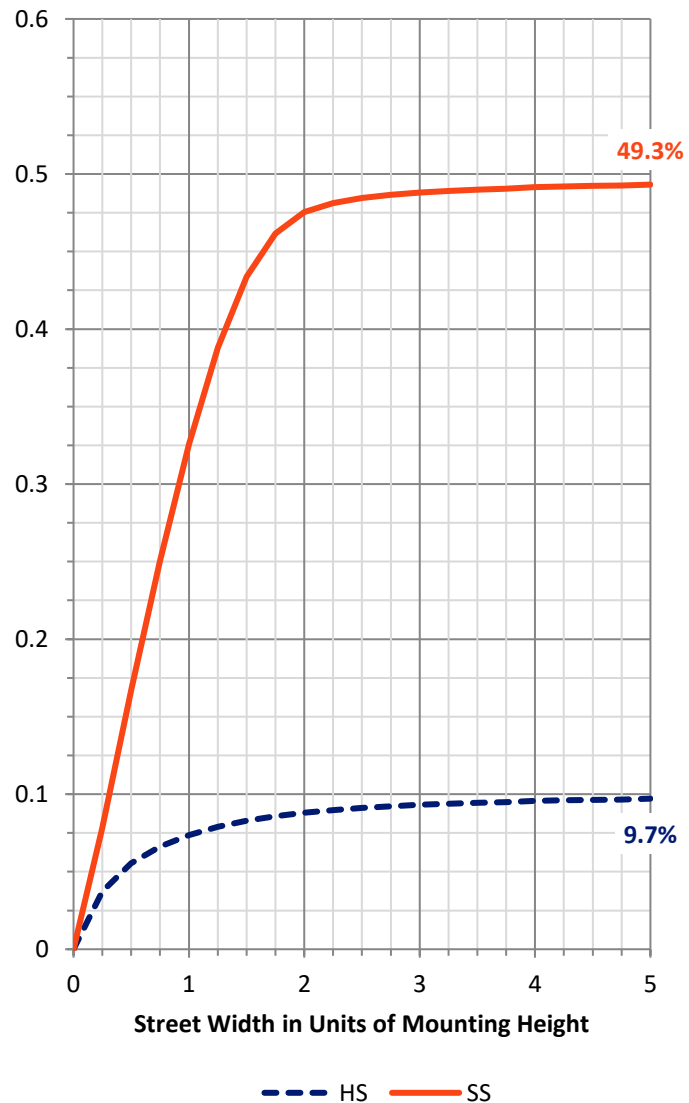
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	342.7	713.1	1055.8
	% Fixture	9.8	20.4	30.2
Street Side	Lumens	1725.3	713.1	2438.4
	% Fixture	49.4	20.4	69.8
Total	Lumens	2068.0	1426.2	3494.2
	% Fixture	59.2	40.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.6	0.7
10°-20°	78.6	2.3
20°-30°	139.6	4.0
30°-40°	221.2	6.3
40°-50°	331.8	9.5
50°-60°	430.0	12.3
60°-70°	488.6	14.0
70°-80°	324.2	9.3
80°-90°	28.4	0.8
90°-100°	4.7	0.1
100°-110°	69.0	2.0
110°-120°	153.0	4.4
120°-130°	223.9	6.4
130°-140°	265.6	7.6
140°-150°	269.3	7.7
150°-160°	231.1	6.6
160°-170°	155.1	4.4
170°-180°	54.3	1.6
0°-90°	2068.0	59.2
0°-180°	3494.2	100.0



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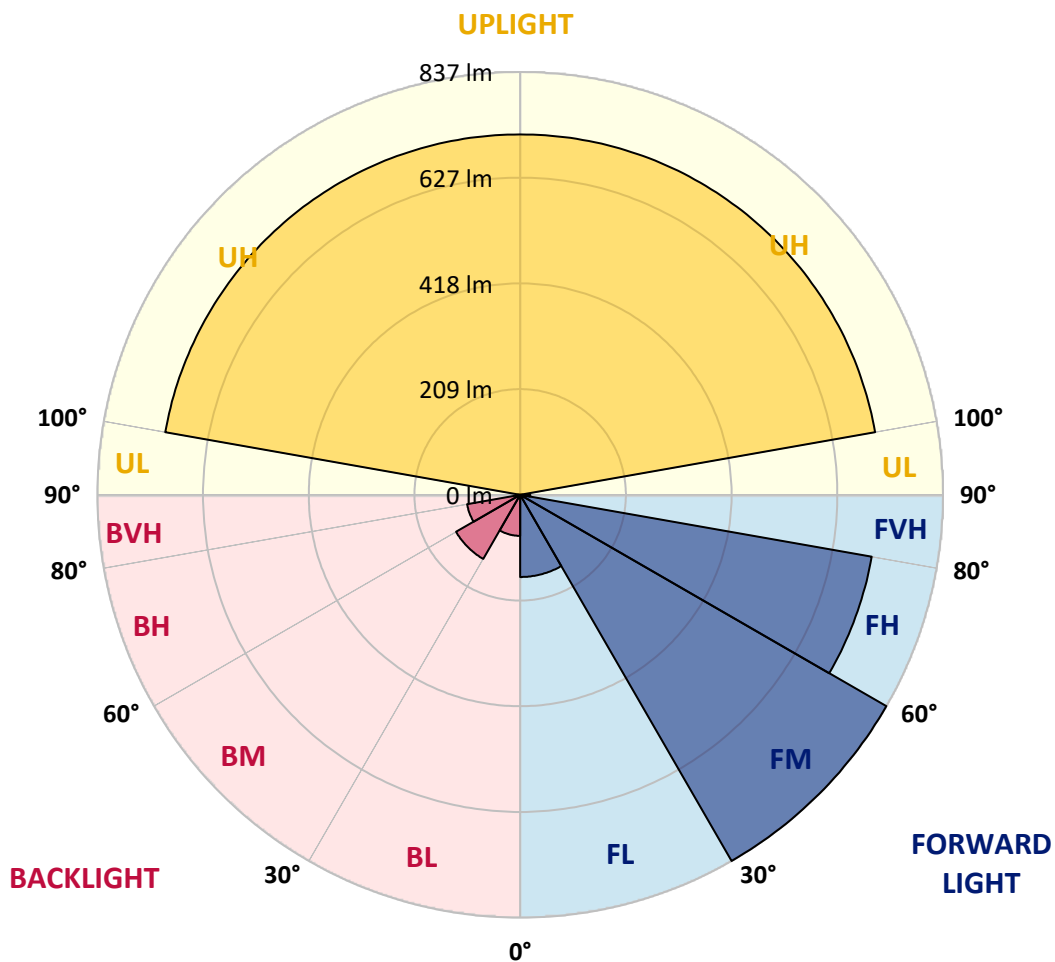
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	162.7	4.7			
FM (30°-60°)	836.6	23.9			
FH (60°-80°)	706.2	20.2			G1/1800
FVH (80°-90°)	19.8	0.6			G1/100
BL (0°-30°)	81.2	2.3	B0/110		
BM (30°-60°)	146.4	4.2	B0/220		
BH (60°-80°)	106.6	3.0	B0/110		G0/110
BVH (80°-90°)	8.5	0.2			G0/10
UL (90°-100°)	4.7	0.1		U1/10	
UH (100°-180°)	713.1	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°	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1
2.5°	299.1	297.7	297.0	295.6	294.2	293.5	291.5	290.1	292.2	291.5	291.5
5°	321.4	320.0	317.9	315.9	313.1	311.0	308.9	306.8	308.2	306.8	305.4
7.5°	339.6	338.2	335.4	333.3	330.5	327.7	324.9	324.2	322.8	320.7	320.0
10°	350.0	348.6	347.2	345.8	341.7	339.6	336.1	334.0	334.7	331.9	331.9
12.5°	359.8	358.4	357.7	357.7	354.2	352.1	350.7	348.6	350.0	345.8	344.4
15°	368.8	367.5	365.4	367.5	366.8	366.1	365.4	364.7	366.8	362.6	363.3
17.5°	383.5	382.8	378.6	375.8	376.5	378.6	380.0	379.3	379.3	377.2	377.9
20°	406.5	406.5	400.9	396.0	388.4	388.4	389.1	388.4	389.8	391.2	393.3
22.5°	423.9	422.5	420.4	416.3	407.9	400.9	400.9	398.1	400.2	400.9	405.1
25°	446.2	444.9	440.0	440.0	431.6	422.5	421.1	417.0	421.8	412.8	419.7
27.5°	473.4	472.0	465.8	463.0	458.8	447.6	444.9	445.5	450.4	437.2	444.2
30°	507.6	506.2	498.5	490.9	483.9	472.0	470.6	470.0	481.1	465.8	474.8
32.5°	550.8	550.8	542.5	532.0	518.1	502.0	496.4	497.1	512.5	495.8	511.1
35°	616.4	608.0	592.7	576.6	562.0	543.2	535.5	534.1	548.0	531.3	548.7
37.5°	658.2	652.6	638.7	626.8	610.8	592.7	587.1	589.2	601.0	576.6	601.7
40°	695.9	695.2	686.1	678.4	662.4	644.3	651.2	679.1	710.5	663.1	663.8
42.5°	721.0	722.4	721.7	722.4	713.3	694.5	706.3	745.4	799.1	771.2	745.4
45°	725.1	730.0	732.1	746.1	755.1	744.0	750.3	791.4	898.8	942.0	825.6
47.5°	735.6	740.5	736.3	753.0	794.9	794.2	819.3	834.6	849.3	856.2	944.1
50°	749.6	758.6	754.4	768.4	802.5	822.1	843.7	863.2	851.4	807.4	831.1
52.5°	750.3	760.7	783.7	797.7	831.1	826.9	841.6	831.1	849.3	803.9	826.9
55°	688.9	691.0	757.9	828.3	886.9	875.1	866.0	842.3	865.3	808.8	838.1
57.5°	592.0	598.9	668.7	787.2	912.7	923.2	920.4	918.3	936.4	861.1	893.2
60°	485.3	493.7	559.9	699.4	859.0	886.2	923.9	946.9	993.6	963.6	1016.6
62.5°	302.6	308.9	382.1	556.4	757.9	811.6	866.7	893.9	961.5	975.5	1065.4
65°	144.3	146.4	175.0	302.6	550.8	651.9	733.5	791.4	874.4	937.1	1058.4
67.5°	112.3	113.0	123.4	161.1	282.4	350.0	442.8	519.5	608.0	779.5	930.1
70°	89.9	89.9	98.3	118.5	175.0	184.1	207.8	233.6	271.2	409.3	531.3
72.5°	75.3	75.3	80.9	93.4	129.7	131.8	130.4	128.3	128.3	161.8	206.4
75°	63.5	62.8	66.2	74.6	96.2	99.0	97.6	92.7	87.2	87.2	98.3
77.5°	51.6	51.6	54.4	58.6	69.7	71.1	71.1	66.9	62.1	62.8	67.6
80°	40.4	40.4	42.5	45.3	48.8	48.1	48.1	43.9	40.4	39.7	42.5
82.5°	29.3	30.0	34.9	32.8	31.4	29.3	29.3	28.6	25.8	23.7	25.1
85°	9.1	9.8	16.7	19.5	16.0	13.2	12.6	10.5	11.2	9.1	10.5
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	5.2	6.5	7.8	9.0	10.0	11.0
100°	8.0	8.0	10.0	14.0	22.0	24.0	26.0	28.0	30.0	30.5	31.0
102.5°	28.0	28.0	32.0	38.0	45.0	46.2	47.5	48.8	50.0	50.2	50.5
105°	54.0	54.0	56.0	61.0	66.0	67.0	68.0	69.0	70.0	70.2	70.5
107.5°	78.0	77.0	80.0	84.0	88.0	88.8	89.5	90.2	91.0	91.5	92.0
110°	101.0	102.0	103.0	106.0	110.0	110.5	111.0	111.5	112.0	112.5	113.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
112.5°	124.0	124.0	126.0	129.0	132.0	132.5	133.0	133.5	134.0	134.5	135.0
115°	146.0	147.0	149.0	151.0	154.0	154.5	155.0	155.5	156.0	156.5	157.0
117.5°	169.0	170.0	172.0	174.0	177.0	177.5	178.0	178.5	179.0	179.2	179.5
120°	193.0	195.0	196.0	198.0	201.0	201.2	201.5	201.8	202.0	202.5	203.0
122.5°	219.0	220.0	221.0	223.0	226.0	226.2	226.5	226.8	227.0	227.2	227.5
125°	244.0	246.0	247.0	248.0	251.0	251.2	251.5	251.8	252.0	252.2	252.5
127.5°	267.0	269.0	270.0	272.0	274.0	274.5	275.0	275.5	276.0	276.5	277.0
130°	290.0	292.0	293.0	294.0	298.0	298.2	298.5	298.8	299.0	299.5	300.0
132.5°	313.0	314.0	317.0	318.0	321.0	321.2	321.5	321.8	322.0	322.8	323.5
135°	336.0	337.0	339.0	341.0	345.0	345.0	345.0	345.0	345.0	345.8	346.5
137.5°	359.0	360.0	363.0	364.0	367.0	367.0	367.0	367.0	367.0	367.5	368.0
140°	382.0	383.0	385.0	386.0	388.0	388.2	388.5	388.8	389.0	389.2	389.5
142.5°	404.0	406.0	408.0	407.0	410.0	410.0	410.0	410.0	410.0	410.5	411.0
145°	425.0	426.0	428.0	428.0	431.0	431.2	431.5	431.8	432.0	432.5	433.0
147.5°	444.0	444.0	447.0	448.0	452.0	452.2	452.5	452.8	453.0	453.2	453.5
150°	461.0	462.0	464.0	465.0	469.0	469.2	469.5	469.8	470.0	470.2	470.5
152.5°	479.0	480.0	483.0	482.0	485.0	485.2	485.5	485.8	486.0	486.2	486.5
155°	499.0	500.0	502.0	501.0	503.0	503.0	503.0	503.0	503.0	503.2	503.5
157.5°	513.0	515.0	517.0	516.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0
160°	525.0	527.0	529.0	529.0	532.0	532.0	532.0	532.0	532.0	532.0	532.0
162.5°	535.0	536.0	539.0	538.0	541.0	541.0	541.0	541.0	541.0	541.2	541.5
165°	546.0	547.0	549.0	548.0	552.0	552.0	552.0	552.0	552.0	552.2	552.5
167.5°	555.0	556.0	559.0	558.0	561.0	560.8	560.5	560.2	560.0	560.0	560.0
170°	562.0	563.0	566.0	565.0	567.0	566.8	566.5	566.2	566.0	565.8	565.5
172.5°	565.0	566.0	569.0	567.0	569.0	568.8	568.5	568.2	568.0	568.2	568.5
175°	567.0	569.0	570.0	569.0	572.0	572.0	572.0	572.0	572.0	572.2	572.5
177.5°	572.0	573.0	575.0	574.0	578.0	577.8	577.5	577.2	577.0	577.0	577.0
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0



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CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77°
0°	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1
2.5°	288.0	289.4	286.6	286.6	283.1	285.2	281.7	282.4	278.9	280.3	280.3
5°	301.9	302.6	299.1	297.7	294.2	294.2	290.8	290.8	285.9	287.3	285.9
7.5°	315.2	315.2	311.7	308.9	305.4	304.0	299.8	297.7	293.5	292.8	290.8
10°	326.3	326.3	321.4	318.6	314.5	312.4	306.8	304.7	299.8	296.3	294.2
12.5°	340.3	338.9	333.3	330.5	323.5	322.8	314.5	313.1	306.1	304.0	300.5
15°	357.0	358.4	349.3	348.6	338.9	338.2	327.0	326.3	315.9	315.2	310.3
17.5°	375.1	377.9	370.2	369.5	357.7	357.7	344.4	343.7	329.8	329.1	322.8
20°	391.2	394.6	389.8	391.2	380.7	381.4	366.8	366.8	347.2	345.8	340.3
22.5°	405.8	412.8	408.6	416.3	405.8	410.7	391.2	394.6	371.6	368.8	360.5
25°	420.4	429.5	428.1	440.7	433.0	441.4	421.1	428.1	398.1	400.2	389.1
27.5°	435.1	446.9	445.5	463.7	460.9	477.6	460.2	467.9	435.1	437.2	424.6
30°	459.5	472.7	467.9	486.7	486.7	513.9	500.6	512.5	476.2	480.4	465.8
32.5°	492.3	507.6	493.0	517.4	516.0	551.5	541.1	561.3	525.7	531.3	513.2
35°	527.8	552.2	528.5	555.7	551.5	588.5	581.5	614.3	576.6	582.9	564.8
37.5°	574.5	603.8	572.4	596.2	577.3	619.9	615.7	660.3	622.0	638.0	616.4
40°	629.6	652.6	613.6	633.8	602.4	646.4	639.4	700.7	665.2	691.0	671.5
42.5°	680.5	696.6	645.0	670.1	632.4	677.0	664.5	738.4	707.7	747.5	725.8
45°	726.5	744.7	676.3	704.2	662.4	711.2	689.6	774.7	753.7	813.7	792.1
47.5°	792.1	765.6	704.9	741.2	694.5	748.2	719.6	817.2	809.5	894.6	869.5
50°	770.5	787.9	728.6	766.3	723.8	789.3	757.9	868.1	870.2	982.4	967.8
52.5°	772.6	801.8	746.8	799.1	757.9	846.5	813.7	929.4	939.2	1067.5	1047.3
55°	785.1	828.3	774.0	844.4	806.0	909.9	886.9	995.7	1012.4	1147.7	1135.8
57.5°	816.5	876.5	820.7	912.7	873.0	982.4	961.5	1064.0	1087.0	1227.9	1224.4
60°	937.1	1008.2	910.6	1012.4	959.4	1064.7	1036.8	1135.8	1158.8	1304.6	1313.6
62.5°	1071.7	1195.1	1137.2	1243.2	1103.1	1209.7	1127.5	1224.4	1225.8	1386.8	1415.4
65°	1106.5	1296.2	1345.7	1543.0	1469.8	1579.3	1359.7	1424.5	1340.8	1536.8	1577.9
67.5°	1093.3	1325.5	1462.8	1685.3	1768.2	1959.3	1922.3	1900.0	1706.2	1847.0	1896.5
70°	802.5	1048.7	1384.8	1610.7	1849.8	1975.3	2174.1	2194.3	2185.9	2166.4	2199.2
72.5°	365.4	573.1	937.1	1195.1	1589.7	1674.1	1962.1	1956.5	2252.1	2178.9	2230.5
75°	143.6	221.0	446.2	667.3	1099.6	1203.5	1529.8	1448.9	1817.8	1710.4	1820.5
77.5°	78.8	99.0	167.3	286.6	600.3	655.4	936.4	801.2	1127.5	941.3	978.3
80°	47.4	59.3	76.7	108.8	255.2	269.8	399.5	322.1	460.9	350.0	339.6
82.5°	25.8	32.1	38.3	53.7	94.8	105.3	138.1	124.1	147.8	126.2	123.4
85°	10.5	13.9	14.6	21.6	31.4	36.3	43.9	47.4	57.9	53.0	51.6
87.5°	0.0	0.7	0.0	1.4	0.0	1.4	0.0	2.1	2.1	3.5	4.2
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°	12.0	13.0	11.5	10.0	8.5	7.0	6.5	6.0	5.5	5.0	4.8
100°	31.5	32.0	31.5	31.0	30.5	30.0	29.2	28.5	27.8	27.0	26.8
102.5°	50.8	51.0	50.8	50.5	50.2	50.0	49.5	49.0	48.5	48.0	48.2
105°	70.8	71.0	71.0	71.0	71.0	71.0	70.5	70.0	69.5	69.0	69.4
107.5°	92.5	93.0	92.8	92.5	92.2	92.0	91.8	91.5	91.2	91.0	91.2
110°	113.5	114.0	114.0	114.0	114.0	114.0	113.8	113.5	113.2	113.0	113.2



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CATALOG NUMBER: ISC-AF-350-LED-E1-T2-7030-ULG

CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77°
112.5°	135.5	136.0	136.0	136.0	136.0	136.0	135.8	135.5	135.2	135.0	135.4
115°	157.5	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.4
117.5°	179.8	180.0	180.2	180.5	180.8	181.0	180.8	180.5	180.2	180.0	180.4
120°	203.5	204.0	204.0	204.0	204.0	204.0	204.0	204.0	204.0	204.0	204.4
122.5°	227.8	228.0	228.0	228.0	228.0	228.0	228.2	228.5	228.8	229.0	229.8
125°	252.8	253.0	253.2	253.5	253.8	254.0	254.0	254.0	254.0	254.0	254.6
127.5°	277.5	278.0	277.8	277.5	277.2	277.0	277.2	277.5	277.8	278.0	278.6
130°	300.5	301.0	301.0	301.0	301.0	301.0	301.2	301.5	301.8	302.0	302.6
132.5°	324.2	325.0	325.0	325.0	325.0	325.0	325.2	325.5	325.8	326.0	326.6
135°	347.2	348.0	348.0	348.0	348.0	348.0	348.2	348.5	348.8	349.0	349.4
137.5°	368.5	369.0	369.0	369.0	369.0	369.0	369.2	369.5	369.8	370.0	370.8
140°	389.8	390.0	390.0	390.0	390.0	390.0	390.5	391.0	391.5	392.0	392.8
142.5°	411.5	412.0	412.0	412.0	412.0	412.0	412.2	412.5	412.8	413.0	413.6
145°	433.5	434.0	433.8	433.5	433.2	433.0	433.2	433.5	433.8	434.0	434.6
147.5°	453.8	454.0	453.5	453.0	452.5	452.0	452.2	452.5	452.8	453.0	453.6
150°	470.8	471.0	470.5	470.0	469.5	469.0	469.0	469.0	469.0	469.0	469.8
152.5°	486.8	487.0	486.8	486.5	486.2	486.0	486.0	486.0	486.0	486.0	486.6
155°	503.8	504.0	503.8	503.5	503.2	503.0	503.2	503.5	503.8	504.0	504.6
157.5°	519.0	519.0	518.5	518.0	517.5	517.0	517.2	517.5	517.8	518.0	519.0
160°	532.0	532.0	531.5	531.0	530.5	530.0	530.0	530.0	530.0	530.0	530.6
162.5°	541.8	542.0	541.5	541.0	540.5	540.0	539.5	539.0	538.5	538.0	538.4
165°	552.8	553.0	552.2	551.5	550.8	550.0	549.5	549.0	548.5	548.0	548.4
167.5°	560.0	560.0	559.5	559.0	558.5	558.0	558.2	558.5	558.8	559.0	559.8
170°	565.2	565.0	564.8	564.5	564.2	564.0	564.5	565.0	565.5	566.0	567.0
172.5°	568.8	569.0	568.5	568.0	567.5	567.0	567.2	567.5	567.8	568.0	568.6
175°	572.8	573.0	572.2	571.5	570.8	570.0	569.5	569.0	568.5	568.0	568.6
177.5°	577.0	577.0	576.2	575.5	574.8	574.0	574.0	574.0	574.0	574.0	574.6
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0



REPORT NUMBER: P227607

CATALOG NUMBER: ISC-AF-350-LED-E1-T2-7030-ULG

CANDELA DISTRIBUTION (continued):

	77.5°	80°	82.5°	85°	87.5°	90°	95°	100°	102.5°	105°	107.5°
0°	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1
2.5°	278.2	280.3	277.5	277.5	274.0	276.1	274.0	271.9	268.4	269.1	264.3
5°	283.1	284.5	281.0	279.6	277.5	276.8	272.6	268.4	263.6	263.6	258.0
7.5°	288.0	288.0	283.1	283.1	278.2	276.8	270.5	263.6	256.6	255.9	247.5
10°	290.8	290.1	283.8	283.8	276.8	276.1	268.4	258.0	248.2	245.4	233.6
12.5°	296.3	295.6	288.0	286.6	277.5	277.5	266.4	252.4	238.5	233.6	216.8
15°	303.3	304.0	294.9	292.8	282.4	281.7	266.4	245.4	226.6	218.9	198.7
17.5°	314.5	315.2	302.6	300.5	288.0	285.9	267.1	237.1	210.6	202.2	184.1
20°	329.1	327.0	310.3	309.6	292.8	290.8	266.4	224.5	194.5	186.2	170.1
22.5°	347.2	345.1	323.5	321.4	301.9	298.4	265.7	211.3	179.9	170.8	160.4
25°	372.3	369.5	343.1	340.3	315.9	310.3	265.0	197.3	167.3	160.4	154.1
27.5°	403.7	398.1	366.1	363.3	330.5	323.5	262.2	181.3	154.8	149.9	147.1
30°	441.4	436.5	395.3	391.2	350.0	341.0	259.4	166.6	145.7	143.6	141.5
32.5°	486.0	481.1	430.9	426.0	375.1	361.9	254.5	154.8	140.1	140.1	137.4
35°	532.7	528.5	469.3	465.8	403.0	385.6	248.2	144.3	135.3	135.3	132.5
37.5°	574.5	578.0	511.1	508.3	430.9	409.3	241.3	137.4	131.1	129.7	126.9
40°	619.9	628.2	550.1	552.2	460.2	434.4	232.9	131.8	126.2	124.8	124.1
42.5°	665.9	681.9	591.3	598.9	489.5	460.2	226.6	128.3	124.1	121.3	120.6
45°	723.1	746.1	642.2	656.8	523.6	491.6	224.5	124.1	117.8	114.4	112.3
47.5°	794.2	824.9	704.9	721.7	569.0	529.2	228.7	122.7	113.7	109.5	105.3
50°	878.5	907.8	779.5	786.5	619.9	570.4	237.8	124.8	112.3	106.0	99.7
52.5°	967.8	990.1	858.3	850.7	672.9	610.8	248.2	125.5	108.8	102.5	94.8
55°	1059.8	1072.4	931.5	911.3	721.0	651.2	262.2	124.8	106.0	99.0	89.2
57.5°	1149.8	1154.0	996.4	976.9	768.4	699.4	279.6	122.7	101.8	94.8	84.4
60°	1237.6	1244.6	1068.2	1050.1	820.0	761.4	304.7	119.2	96.2	91.3	80.2
62.5°	1333.9	1356.9	1154.0	1156.8	891.1	858.3	352.1	115.0	90.6	85.1	73.9
65°	1464.9	1552.8	1295.5	1361.0	1027.8	1041.0	442.8	103.2	83.0	76.0	68.3
67.5°	1793.3	1889.6	1639.3	1665.8	1347.8	1269.0	499.9	87.9	73.2	68.3	63.5
70°	2204.7	2135.7	1957.9	1797.5	1534.7	1304.6	440.0	73.9	64.8	62.1	59.3
72.5°	2317.7	2070.2	1923.7	1683.2	1418.9	1137.9	336.8	63.5	57.9	56.5	54.4
75°	2036.7	1678.3	1686.7	1337.3	1176.3	867.4	230.1	54.4	50.2	49.5	48.8
77.5°	1302.5	862.5	1050.1	661.0	679.1	401.6	112.3	45.3	43.2	43.2	41.8
80°	463.0	287.3	324.9	208.5	189.7	127.6	60.7	36.3	34.9	35.6	34.9
82.5°	138.8	110.2	108.1	84.4	65.5	53.7	33.5	27.9	26.5	27.2	25.8
85°	55.8	43.2	36.3	27.9	23.0	20.9	18.1	18.8	16.7	18.1	16.0
87.5°	3.5	2.8	2.1	2.8	0.0	1.4	3.5	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°	4.8	4.5	4.2	4.0	4.0	4.0	4.0	4.5	4.8	5.0	5.5
100°	26.8	26.5	26.2	26.0	25.5	25.0	26.0	26.5	26.8	27.0	27.8
102.5°	48.2	48.5	48.8	49.0	48.5	48.0	49.0	48.5	48.2	48.0	48.5
105°	69.5	70.0	70.5	71.0	70.0	69.0	71.0	70.0	69.5	69.0	69.5
107.5°	91.2	91.5	91.8	92.0	91.5	91.0	92.0	91.5	91.2	91.0	91.2
110°	113.2	113.5	113.8	114.0	113.5	113.0	114.0	113.5	113.2	113.0	113.2



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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°	135.5	136.0	136.5	137.0	136.0	135.0	137.0	136.0	135.5	135.0	135.2	0°
115°	158.5	159.0	159.5	160.0	159.5	159.0	160.0	159.0	158.5	158.0	158.0	2.5°
117.5°	180.5	181.0	181.5	182.0	181.0	180.0	182.0	181.0	180.5	180.0	180.2	5°
120°	204.5	205.0	205.5	206.0	205.0	204.0	206.0	205.0	204.5	204.0	204.0	7.5°
122.5°	230.0	231.0	232.0	233.0	232.5	232.0	233.0	231.0	230.0	229.0	228.8	10°
125°	254.8	255.5	256.2	257.0	256.5	256.0	257.0	255.5	254.8	254.0	254.0	12.5°
127.5°	278.8	279.5	280.2	281.0	279.5	278.0	281.0	279.5	278.8	278.0	277.8	15°
130°	302.8	303.5	304.2	305.0	304.0	303.0	305.0	303.5	302.8	302.0	301.8	17.5°
132.5°	326.8	327.5	328.2	329.0	328.0	327.0	329.0	327.5	326.8	326.0	325.8	20°
135°	349.5	350.0	350.5	351.0	350.5	350.0	351.0	350.0	349.5	349.0	348.8	22.5°
137.5°	371.0	372.0	373.0	374.0	373.0	372.0	374.0	372.0	371.0	370.0	369.8	25°
140°	393.0	394.0	395.0	396.0	395.0	394.0	396.0	394.0	393.0	392.0	391.5	27.5°
142.5°	413.8	414.5	415.2	416.0	415.5	415.0	416.0	414.5	413.8	413.0	412.8	30°
145°	434.8	435.5	436.2	437.0	436.0	435.0	437.0	435.5	434.8	434.0	433.8	32.5°
147.5°	453.8	454.5	455.2	456.0	454.5	453.0	456.0	454.5	453.8	453.0	452.8	35°
150°	470.0	471.0	472.0	473.0	471.5	470.0	473.0	471.0	470.0	469.0	469.0	37.5°
152.5°	486.8	487.5	488.2	489.0	487.5	486.0	489.0	487.5	486.8	486.0	486.0	40°
155°	504.8	505.5	506.2	507.0	506.0	505.0	507.0	505.5	504.8	504.0	503.8	42.5°
157.5°	519.2	520.5	521.8	523.0	521.5	520.0	523.0	520.5	519.2	518.0	517.8	45°
160°	530.8	531.5	532.2	533.0	532.0	531.0	533.0	531.5	530.8	530.0	530.0	47.5°
162.5°	538.5	539.0	539.5	540.0	538.5	537.0	540.0	539.0	538.5	538.0	538.5	50°
165°	548.5	549.0	549.5	550.0	549.0	548.0	550.0	549.0	548.5	548.0	548.5	52.5°
167.5°	560.0	561.0	562.0	563.0	562.0	561.0	563.0	561.0	560.0	559.0	558.8	55°
170°	567.2	568.5	569.8	571.0	570.0	569.0	571.0	568.5	567.2	566.0	565.5	57.5°
172.5°	568.8	569.5	570.2	571.0	569.5	568.0	571.0	569.5	568.8	568.0	567.8	60°
175°	568.8	569.5	570.2	571.0	569.5	568.0	571.0	569.5	568.8	568.0	568.5	62.5°
177.5°	574.8	575.5	576.2	577.0	575.5	574.0	577.0	575.5	574.8	574.0	574.0	65°
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	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
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	110°	
276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1	112.5°	135.5
267.7	262.9	265.0	262.9	264.3	260.1	261.5	258.0	258.0	257.3	253.8	115°	158.0
258.7	253.8	253.1	248.2	248.9	243.3	242.6	236.4	236.4	230.8	220.3	117.5°	180.5
246.1	238.5	237.8	228.0	227.3	219.6	216.8	209.9	209.2	202.9	196.6	120°	204.0
230.1	218.2	216.2	203.6	204.3	195.9	195.2	190.4	190.4	187.6	187.6	122.5°	228.5
212.0	198.7	197.3	187.6	188.3	182.7	183.4	180.6	182.0	183.4	188.3	125°	254.0
195.2	184.8	183.4	177.1	177.8	176.4	178.5	178.5	180.6	184.1	192.4	127.5°	277.5
181.3	172.2	172.9	170.1	172.9	172.2	176.4	175.7	179.9	184.1	194.5	130°	301.5
168.7	163.9	165.9	165.3	168.7	168.7	172.2	172.9	176.4	182.0	193.8	132.5°	325.5
160.4	159.0	161.1	161.1	163.9	164.6	168.0	170.1	172.2	177.8	188.3	135°	348.5
155.5	154.8	156.9	157.6	159.7	160.4	163.9	163.9	167.3	170.8	176.4	137.5°	369.5
148.5	147.1	149.9	149.9	152.7	152.0	156.2	154.8	158.3	159.7	161.1	140°	391.0
143.6	141.5	143.6	142.9	145.0	142.9	145.0	142.9	145.0	145.0	142.9	142.5°	412.5
138.8	136.7	137.4	134.6	136.7	133.9	134.6	131.8	133.2	131.8	132.5	145°	433.5
133.9	131.1	131.1	127.6	127.6	124.1	125.5	122.7	125.5	127.6	126.9	147.5°	452.5
126.9	124.8	124.8	122.0	123.4	122.0	124.8	123.4	124.1	121.3	116.4	150°	469.0
122.7	124.1	123.4	125.5	124.1	122.0	119.9	115.7	115.0	113.7	110.9	152.5°	486.0
116.4	117.8	114.4	117.1	115.0	115.7	114.4	112.3	110.9	109.5	106.7	155°	503.5
107.4	107.4	104.6	108.8	106.7	110.9	109.5	109.5	108.1	106.0	103.9	157.5°	517.5
99.7	100.4	97.6	101.1	99.7	105.3	104.6	106.7	106.7	105.3	99.7	160°	530.0
94.8	93.4	91.3	94.8	94.1	99.0	99.7	103.9	103.2	103.9	99.0	162.5°	539.0
90.6	87.9	85.8	87.9	87.9	92.0	93.4	98.3	99.0	100.4	97.6	165°	549.0
85.8	82.3	80.9	82.3	82.3	86.5	88.6	92.0	94.1	98.3	96.9	167.5°	558.5
81.6	76.7	75.3	76.7	77.4	81.6	83.7	87.2	89.9	95.5	94.8	170°	565.0
76.7	72.5	71.1	73.2	73.9	78.1	80.2	83.7	85.8	92.0	92.0	172.5°	567.5
71.1	67.6	67.6	68.3	69.7	73.9	75.3	80.2	80.9	88.6	89.2	175°	569.0
66.2	64.1	64.1	64.8	66.2	69.7	70.4	75.3	76.0	83.7	85.8	177.5°	574.0
62.1	60.7	60.7	61.4	62.1	64.8	65.5	70.4	71.8	78.8	82.3	180°	576.0
57.9	56.5	55.8	55.8	57.9	60.0	61.4	66.2	66.9	73.2	77.4		
53.0	51.6	51.6	50.9	53.0	54.4	57.2	60.0	61.4	67.6	70.4		
48.1	46.7	46.7	46.0	47.4	50.2	50.9	53.7	54.4	60.0	62.8		
41.8	40.4	40.4	40.4	41.8	42.5	43.2	46.0	47.4	52.3	55.1		
34.9	33.5	34.2	33.5	35.6	32.8	34.9	37.7	39.0	41.8	40.4		
26.5	24.4	25.1	25.1	25.8	23.7	25.1	26.5	27.9	30.0	29.3		
16.7	14.6	16.0	14.6	16.0	13.9	15.3	15.3	16.7	15.3	14.6		
3.5	1.4	3.5	1.4	4.2	0.0	2.1	0.0	1.4	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		
6.0	6.5	7.0	8.5	10.0	11.5	13.0	12.0	11.0	9.0	4.0		
28.5	29.2	30.0	30.5	31.0	31.5	32.0	31.5	31.0	30.0	22.0		
49.0	49.5	50.0	50.2	50.5	50.8	51.0	50.8	50.5	50.0	45.0		
70.0	70.5	71.0	71.0	71.0	71.0	71.0	70.8	70.5	70.0	66.0		
91.5	91.8	92.0	92.2	92.5	92.8	93.0	92.5	92.0	91.0	88.0		
113.5	113.8	114.0	114.0	114.0	114.0	114.0	113.5	113.0	112.0	110.0		

'227607
 ISC-AF-350-LED-E1-T2-7030-ULG

REPORT NUMBER: P227607
 CATALOG NUMBER: ISC-AF-35

TION (continued):

CANDELA DISTRIBUTION (con

112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°		155°	165°
135.8	136.0	136.0	136.0	136.0	136.0	135.5	135.0	134.0	132.0	0°	276.1	276.1
158.0	158.0	158.0	158.0	158.0	158.0	157.5	157.0	156.0	154.0	2.5°	250.3	247.5
180.8	181.0	180.8	180.5	180.2	180.0	179.8	179.5	179.0	177.0	5°	214.8	209.9
204.0	204.0	204.0	204.0	204.0	204.0	203.5	203.0	202.0	201.0	7.5°	193.1	191.7
228.2	228.0	228.0	228.0	228.0	228.0	227.8	227.5	227.0	226.0	10°	189.0	191.0
254.0	254.0	253.8	253.5	253.2	253.0	252.8	252.5	252.0	251.0	12.5°	193.8	197.3
277.2	277.0	277.2	277.5	277.8	278.0	277.5	277.0	276.0	274.0	15°	200.1	206.4
301.2	301.0	301.0	301.0	301.0	301.0	300.5	300.0	299.0	298.0	17.5°	205.0	213.4
325.2	325.0	325.0	325.0	325.0	325.0	324.2	323.5	322.0	321.0	20°	205.7	214.1
348.2	348.0	348.0	348.0	348.0	348.0	347.2	346.5	345.0	345.0	22.5°	199.4	205.0
369.2	369.0	369.0	369.0	369.0	369.0	368.5	368.0	367.0	367.0	25°	183.4	186.2
390.5	390.0	390.0	390.0	390.0	390.0	389.8	389.5	389.0	388.0	27.5°	163.2	162.5
412.2	412.0	412.0	412.0	412.0	412.0	411.5	411.0	410.0	410.0	30°	142.2	140.8
433.2	433.0	433.2	433.5	433.8	434.0	433.5	433.0	432.0	431.0	32.5°	134.6	129.7
452.2	452.0	452.5	453.0	453.5	454.0	453.8	453.5	453.0	452.0	35°	122.7	121.3
469.0	469.0	469.5	470.0	470.5	471.0	470.8	470.5	470.0	469.0	37.5°	118.5	130.4
486.0	486.0	486.2	486.5	486.8	487.0	486.8	486.5	486.0	485.0	40°	113.7	128.3
503.2	503.0	503.2	503.5	503.8	504.0	503.8	503.5	503.0	503.0	42.5°	109.5	117.8
517.2	517.0	517.5	518.0	518.5	519.0	519.0	519.0	519.0	519.0	45°	101.8	105.3
530.0	530.0	530.5	531.0	531.5	532.0	532.0	532.0	532.0	532.0	47.5°	98.3	96.9
539.5	540.0	540.5	541.0	541.5	542.0	541.8	541.5	541.0	541.0	50°	95.5	95.5
549.5	550.0	550.8	551.5	552.2	553.0	552.8	552.5	552.0	552.0	52.5°	93.4	92.0
558.2	558.0	558.5	559.0	559.5	560.0	560.0	560.0	560.0	561.0	55°	90.6	89.2
564.5	564.0	564.2	564.5	564.8	565.0	565.2	565.5	566.0	567.0	57.5°	88.6	85.1
567.2	567.0	567.5	568.0	568.5	569.0	568.8	568.5	568.0	569.0	60°	86.5	83.0
569.5	570.0	570.8	571.5	572.2	573.0	572.8	572.5	572.0	572.0	62.5°	85.1	80.9
574.0	574.0	574.8	575.5	576.2	577.0	577.0	577.0	577.0	578.0	65°	83.0	78.8
576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	67.5°	80.2	74.6
										70°	74.6	69.7
										72.5°	69.0	63.5
										75°	60.7	55.8
										77.5°	50.9	45.3
										80°	38.3	34.9
										82.5°	27.9	23.7
										85°	12.6	9.1
										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°	14.0	10.0
										102.5°	38.0	32.0
										105°	61.0	56.0
										107.5°	84.0	80.0
										110°	106.0	103.0

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0-LED-E1-T2-7030-ULG

tinued):

175°	180°
276.1	276.1
246.1	245.4
208.5	207.1
191.7	191.0
191.7	191.7
200.1	200.1
209.9	209.9
216.8	217.5
218.9	219.6
208.5	208.5
188.3	188.3
161.8	164.6
138.1	140.8
122.7	124.8
117.8	118.5
129.7	130.4
127.6	129.0
109.5	110.2
98.3	98.3
94.1	93.4
94.1	92.7
96.9	96.2
92.7	92.7
90.6	90.6
88.6	88.6
87.9	87.2
87.9	86.5
86.5	84.4
81.6	76.0
69.7	64.8
56.5	55.8
43.9	44.6
33.5	33.5
24.4	20.2
7.0	7.0
0.0	0.0
0.0	0.0
0.0	0.0
1.0	1.0
2.0	2.0
8.0	8.0
28.0	28.0
54.0	54.0
77.0	78.0
102.0	101.0

CANDELA DISTRIBUTION (continued):

	155°	165°	175°
112.5°	129.0	126.0	124.0
115°	151.0	149.0	147.0
117.5°	174.0	172.0	170.0
120°	198.0	196.0	195.0
122.5°	223.0	221.0	220.0
125°	248.0	247.0	246.0
127.5°	272.0	270.0	269.0
130°	294.0	293.0	292.0
132.5°	318.0	317.0	314.0
135°	341.0	339.0	337.0
137.5°	364.0	363.0	360.0
140°	386.0	385.0	383.0
142.5°	407.0	408.0	406.0
145°	428.0	428.0	426.0
147.5°	448.0	447.0	444.0
150°	465.0	464.0	462.0
152.5°	482.0	483.0	480.0
155°	501.0	502.0	500.0
157.5°	516.0	517.0	515.0
160°	529.0	529.0	527.0
162.5°	538.0	539.0	536.0
165°	548.0	549.0	547.0
167.5°	558.0	559.0	556.0
170°	565.0	566.0	563.0
172.5°	567.0	569.0	566.0
175°	569.0	570.0	569.0
177.5°	574.0	575.0	573.0
180°	576.0	576.0	576.0



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180°
124.0
146.0
169.0
193.0
219.0
244.0
267.0
290.0
313.0
336.0
359.0
382.0
404.0
425.0
444.0
461.0
479.0
499.0
513.0
525.0
535.0
546.0
555.0
562.0
565.0
567.0
572.0
576.0

(END OF REPORT)