

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: P226804

Luminaire Tested: **ISW-AF-350-LED-E1-SL2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35945)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISW-AF-350-LED-E1-SL2-7030
Description: IMPACT ELITE LED WEDGE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II W/SPILL CONTROL
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2136.3 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U1 - G1

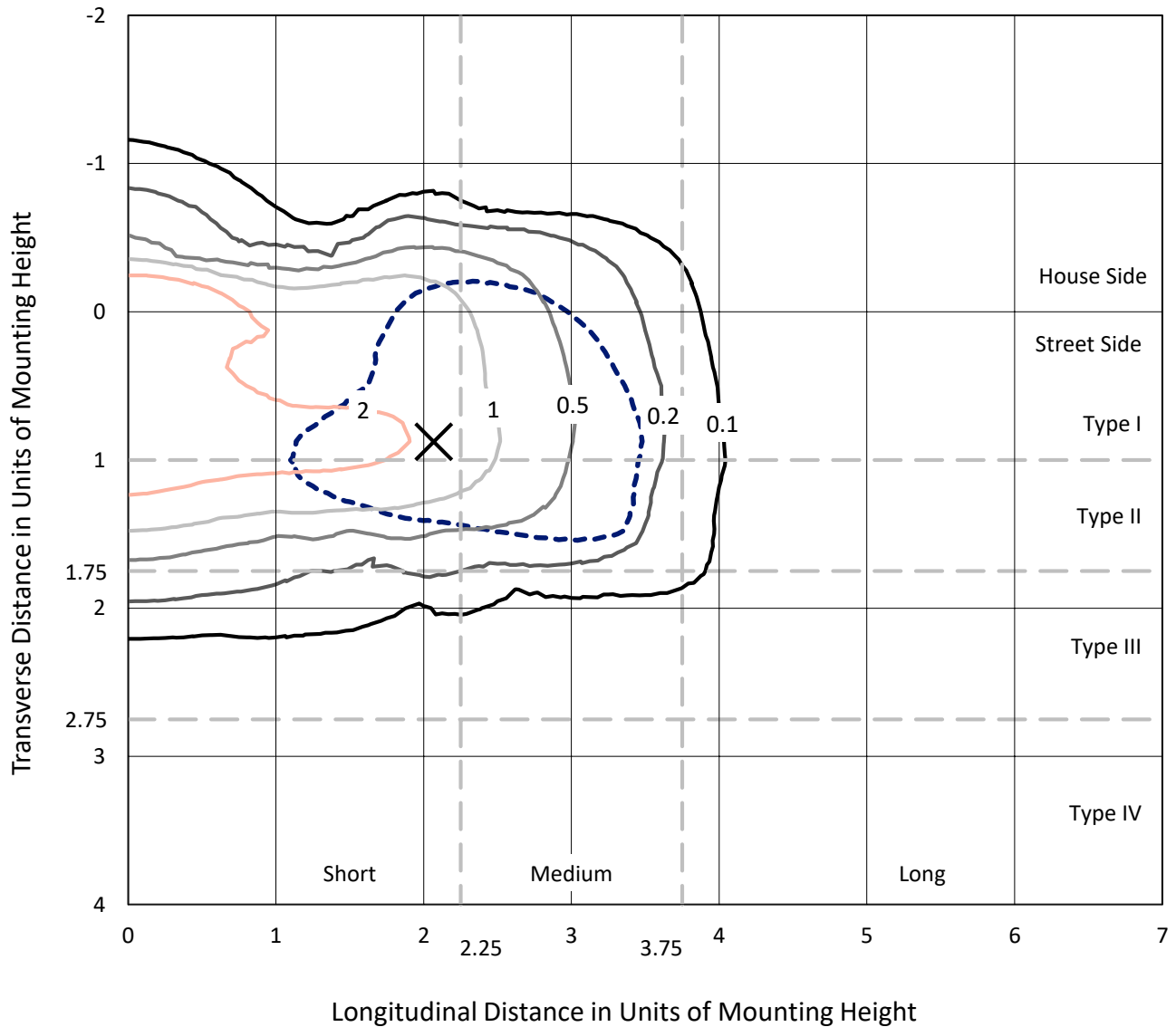
Input Watts (W): 20.09
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

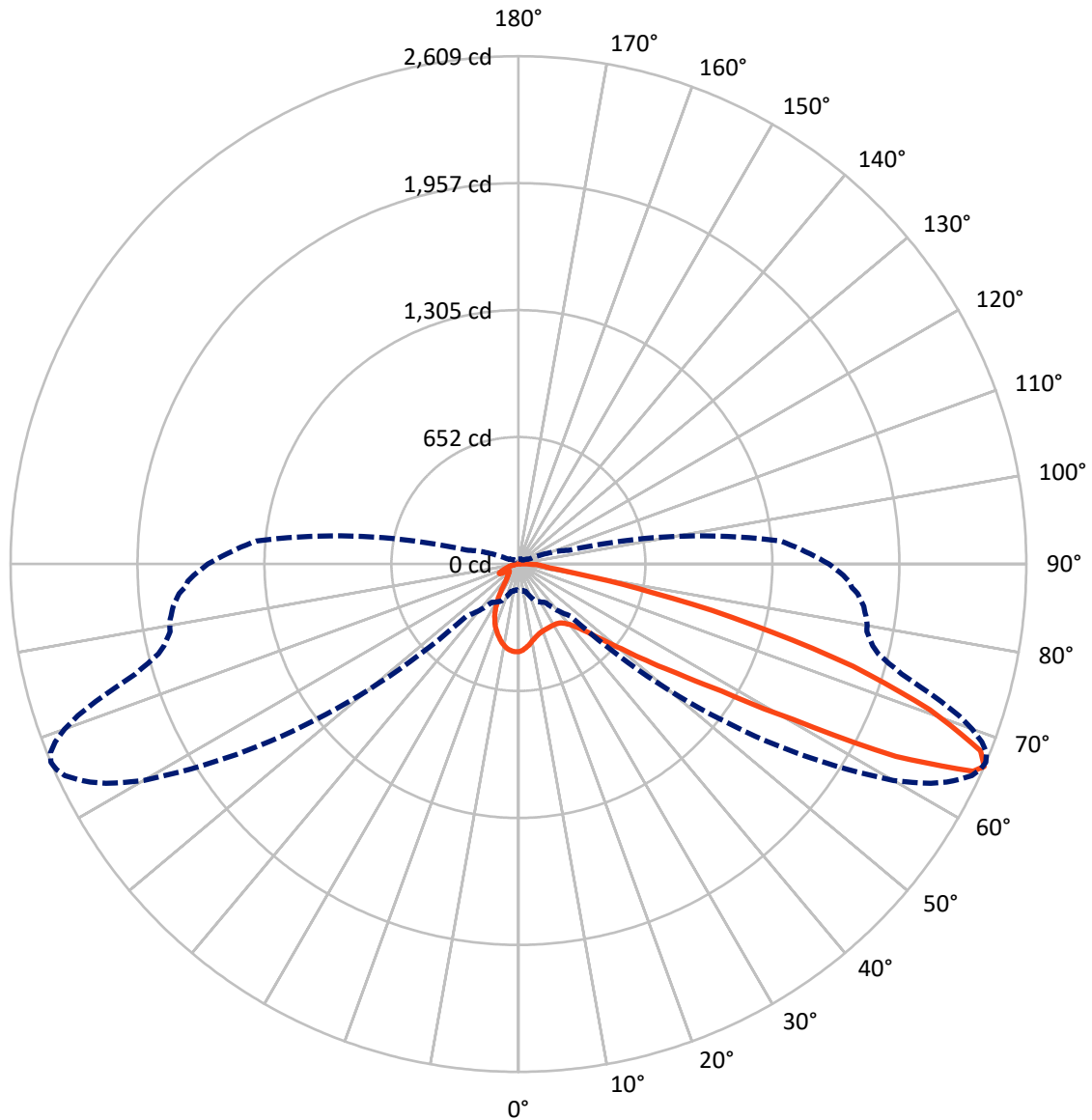
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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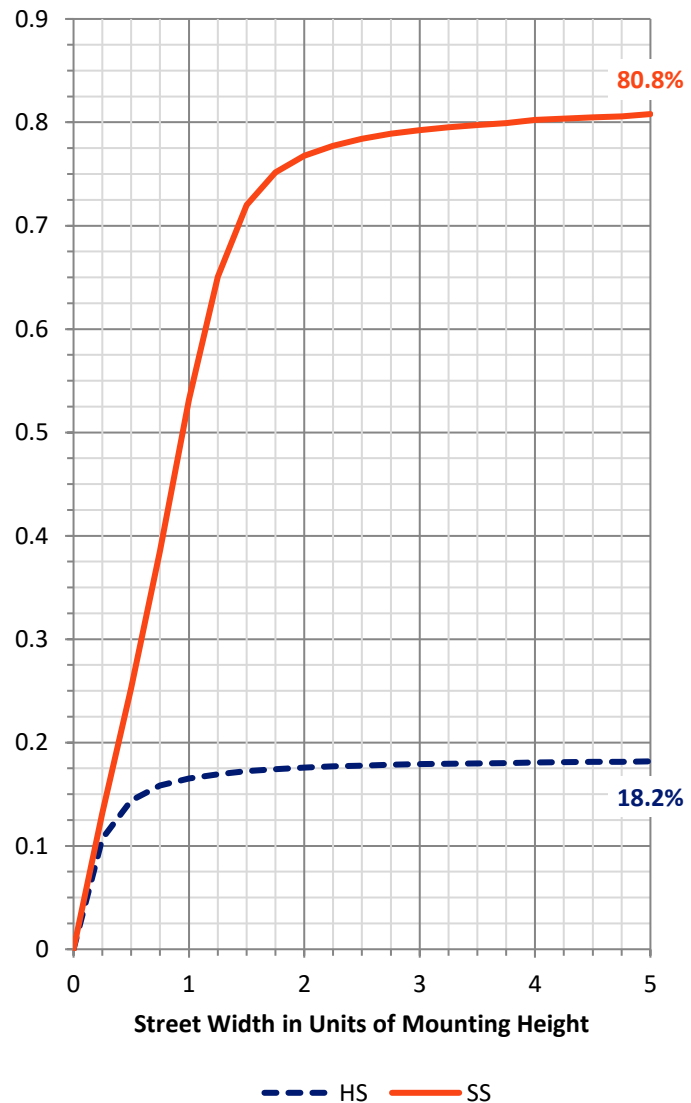
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	394.4	0.2	394.6
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	1741.1	0.6	1741.7
	% Fixture	81.5	0.0	81.5
Total	Lumens	2135.5	0.8	2136.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.0	1.8
10°-20°	92.8	4.3
20°-30°	127.3	6.0
30°-40°	181.8	8.5
40°-50°	294.8	13.8
50°-60°	467.1	21.9
60°-70°	591.9	27.7
70°-80°	294.2	13.8
80°-90°	46.6	2.2
90°-100°	0.8	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2135.5	100.0
0°-180°	2136.3	100.0

Coefficient of Utilization



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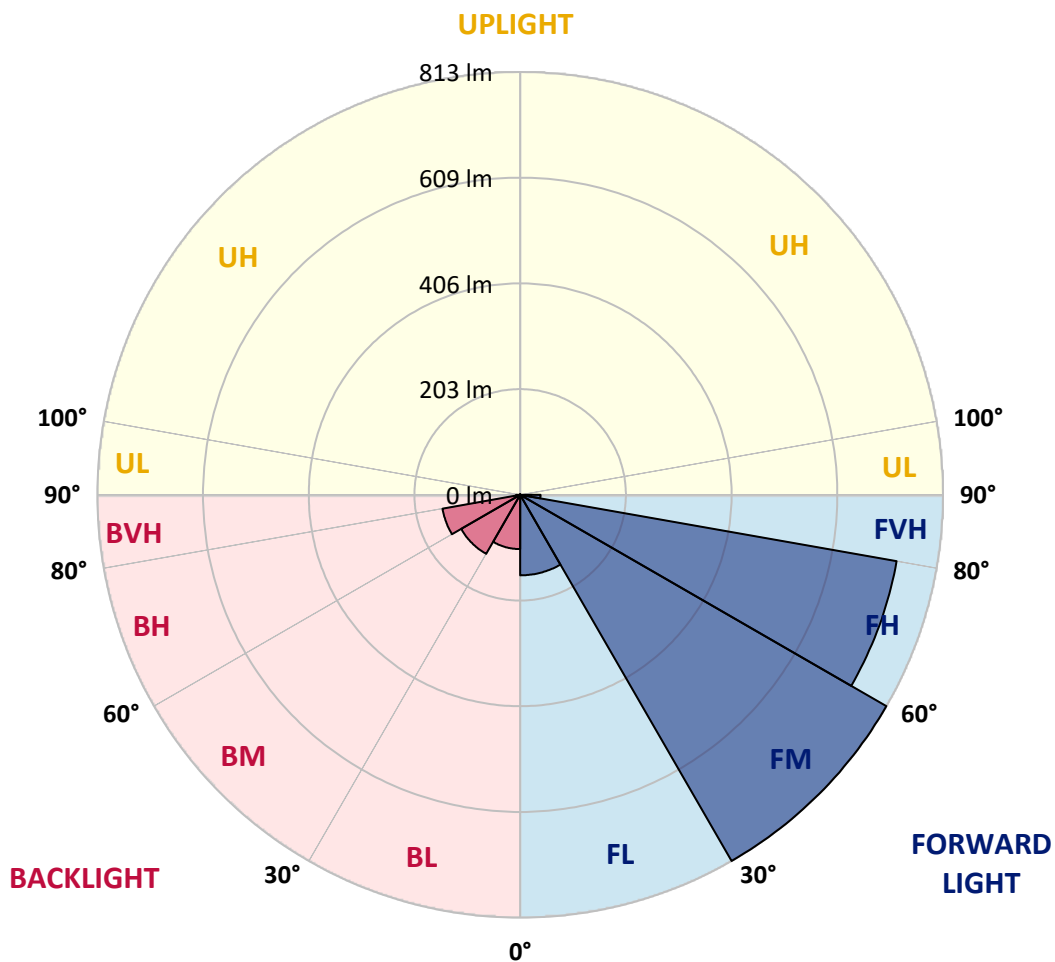
CATALOG NUMBER: ISW-AF-350-LED-E1-SL2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	154.8	7.2			
FM	(30°-60°)	812.7	38.0			
FH	(60°-80°)	734.6	34.4			G1/1800
FVH	(80°-90°)	39.1	1.8			G1/100
BL	(0°-30°)	104.3	4.9	B0/110		
BM	(30°-60°)	131.0	6.1	B0/220		
BH	(60°-80°)	151.6	7.1	B1/500		G1/500
BVH	(80°-90°)	7.5	0.4			G0/10
UL	(90°-100°)	0.8	0.0		U1/10	
UH	(100°-180°)	0.2	0.0		U1/10	

BUG Rating: B1-U1-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	63°
0°	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7
2.5°	417.9	418.9	424.3	427.2	431.4	432.7	437.5	439.4	441.0	440.7	440.7
5°	380.3	383.2	385.8	391.6	397.7	405.0	414.4	421.4	422.7	424.3	425.3
7.5°	351.8	353.7	358.2	362.4	370.1	380.3	393.5	402.5	404.4	405.0	407.3
10°	331.6	332.8	336.7	342.1	351.1	361.1	374.9	384.2	387.1	388.4	390.3
12.5°	315.8	317.7	321.3	327.1	336.7	347.0	361.4	370.7	372.6	374.2	377.1
15°	305.9	307.2	310.4	316.8	325.5	335.7	349.8	361.1	362.4	364.0	366.5
17.5°	303.9	304.9	306.8	311.7	318.4	328.3	342.8	352.1	354.3	356.6	359.2
20°	311.7	312.3	312.9	313.6	317.4	323.8	338.0	347.9	349.8	351.8	355.0
22.5°	328.3	329.3	327.7	325.5	322.6	323.8	335.7	346.0	347.3	349.2	351.8
25°	357.2	356.3	351.4	347.9	337.6	329.3	336.4	345.0	346.6	348.6	351.4
27.5°	391.2	390.0	387.1	377.4	360.4	343.4	340.2	346.6	347.6	349.2	351.8
30°	427.8	428.2	425.6	415.0	393.2	364.6	348.9	350.5	351.1	352.4	354.0
32.5°	460.9	465.7	465.4	464.7	433.6	393.2	365.6	359.2	358.2	359.2	359.8
35°	499.1	500.1	509.0	513.5	488.2	434.9	390.0	375.8	372.0	372.3	371.7
37.5°	540.2	541.5	556.9	564.6	545.0	482.4	422.4	400.6	397.0	393.5	390.9
40°	599.9	605.0	613.0	621.7	612.1	546.3	465.1	435.5	426.6	425.9	420.8
42.5°	689.1	687.5	683.6	690.7	679.1	617.8	516.7	485.0	478.2	469.2	462.2
45°	776.7	780.3	763.6	766.8	767.4	700.7	591.5	546.9	543.4	532.8	525.1
47.5°	835.8	831.9	809.5	825.8	865.9	797.3	678.2	631.3	623.9	618.5	613.7
50°	839.0	835.8	821.3	850.2	935.9	969.0	798.9	744.3	733.7	724.1	721.2
52.5°	760.7	756.2	761.0	819.7	961.3	1112.8	969.3	884.6	875.9	867.9	856.6
55°	621.1	626.2	649.0	733.4	922.4	1214.8	1304.7	1101.2	1064.0	1063.7	1036.1
57.5°	463.8	458.6	475.7	554.9	824.2	1251.1	1612.8	1562.4	1479.3	1423.1	1355.4
60°	312.9	314.2	329.9	370.7	573.6	1211.6	1819.2	1994.8	1965.6	1953.7	1935.4
62.5°	217.0	218.9	233.3	271.5	335.4	974.8	1879.5	2237.1	2289.4	2332.7	2322.1
65°	151.8	152.1	166.6	225.6	251.3	500.7	1746.3	2269.2	2347.2	2421.6	2488.4
66°	133.8	134.2	146.0	209.9	241.0	377.8	1630.8	2224.6	2313.5	2400.1	2469.1
67.5°	114.6	116.5	125.8	178.5	231.1	291.4	1347.1	2091.4	2184.4	2279.8	2370.9
70°	78.6	79.3	87.6	144.8	216.3	255.8	767.7	1632.7	1761.4	1929.0	2025.9
72.5°	56.2	55.5	56.5	89.5	222.1	254.2	403.4	1074.6	1254.6	1401.6	1506.6
75°	50.1	48.5	44.3	55.5	162.1	277.6	270.2	632.6	769.7	903.5	1011.0
77.5°	44.6	42.0	39.8	42.7	80.2	261.6	242.6	362.4	432.3	532.1	615.0
80°	34.0	32.4	33.7	36.9	48.1	240.7	241.0	241.0	260.0	292.7	325.5
82.5°	22.5	20.5	23.4	30.5	36.3	181.3	249.1	212.8	209.3	208.0	210.2
85°	14.1	12.2	16.4	22.8	27.9	94.7	255.5	224.7	208.3	192.6	176.8
87.5°	5.1	5.8	8.3	13.2	18.3	41.1	224.0	198.0	186.8	167.2	148.9
90°	1.3	1.0	1.6	3.9	4.2	7.7	34.3	54.9	32.7	16.4	13.2
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	63°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	64°	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°
0°	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7
2.5°	441.0	442.6	443.2	442.6	442.9	444.8	444.2	445.2	445.2	445.8	445.8
5°	426.6	427.8	430.4	430.1	432.7	433.6	434.6	435.9	437.5	438.4	440.4
7.5°	409.5	412.1	414.4	415.6	417.2	420.5	421.4	424.3	426.9	429.4	431.4
10°	393.2	396.7	399.3	400.2	403.8	405.4	408.9	411.1	414.4	417.6	420.5
12.5°	379.4	382.6	383.9	387.1	390.3	393.5	395.1	399.3	402.5	406.7	410.5
15°	369.1	372.3	374.9	377.1	380.3	383.5	386.1	390.3	394.1	398.3	401.8
17.5°	362.7	364.6	367.8	369.7	373.6	377.4	380.3	385.2	389.3	392.9	397.7
20°	357.9	360.1	363.0	365.9	369.4	374.2	376.8	381.9	386.4	390.6	395.1
22.5°	355.3	357.5	360.4	363.3	367.2	371.0	375.2	379.7	384.5	389.0	393.5
25°	354.3	356.3	358.8	361.7	365.9	370.1	373.6	378.7	382.9	387.7	393.2
27.5°	354.7	355.9	358.8	361.4	365.6	369.4	373.0	378.1	382.9	387.4	392.9
30°	355.9	356.9	359.8	362.0	365.6	369.4	372.6	378.1	382.3	387.1	392.9
32.5°	360.4	361.7	363.0	364.6	367.8	370.7	374.6	379.4	383.2	388.0	392.9
35°	371.0	370.1	371.0	371.7	373.9	376.8	379.7	383.9	387.4	391.6	396.7
37.5°	387.7	385.8	386.4	386.1	386.1	388.0	390.9	393.8	396.7	400.9	406.0
40°	418.5	413.7	412.4	408.9	407.9	409.5	411.5	411.8	415.3	420.8	423.0
42.5°	458.3	451.9	452.9	447.1	445.5	443.6	446.1	444.5	446.8	450.3	455.1
45°	521.2	515.1	508.7	499.4	501.3	494.3	492.4	493.0	492.7	494.0	499.7
47.5°	596.3	588.3	584.1	580.6	573.9	569.7	564.2	556.2	558.1	560.7	565.9
50°	706.1	703.5	695.5	684.0	682.4	676.3	674.7	667.6	665.0	664.7	664.4
52.5°	852.8	836.1	832.9	822.0	813.6	807.9	805.9	796.0	786.0	791.8	791.2
55°	1031.6	1017.8	1000.1	990.5	983.7	969.9	966.4	953.9	948.1	944.9	936.9
57.5°	1332.0	1283.5	1247.2	1229.3	1203.9	1178.2	1169.3	1143.6	1123.7	1109.6	1110.5
60°	1855.8	1769.4	1667.7	1622.1	1516.5	1501.1	1428.6	1410.9	1367.3	1338.4	1321.7
62.5°	2314.8	2291.3	2242.5	2176.1	2070.2	1948.2	1893.3	1784.2	1698.8	1661.6	1609.9
65°	2534.0	2567.0	2580.5	2568.0	2525.6	2451.2	2385.7	2279.1	2136.0	2055.1	1954.6
66°	2522.7	2571.8	2596.6	2609.4	2594.0	2550.0	2481.3	2393.7	2283.0	2159.7	2047.1
67.5°	2440.6	2488.4	2522.7	2561.9	2561.9	2548.1	2520.2	2461.8	2383.4	2275.9	2174.8
70°	2104.8	2169.7	2230.3	2242.2	2275.6	2265.3	2287.5	2250.2	2231.6	2186.7	2132.4
72.5°	1639.8	1694.0	1746.0	1798.0	1789.3	1778.1	1775.9	1783.6	1745.7	1759.2	1745.1
75°	1090.6	1184.0	1237.3	1232.2	1235.7	1238.6	1214.8	1161.9	1203.0	1151.0	1168.3
77.5°	662.8	706.1	720.6	704.5	683.6	656.7	613.4	588.0	551.7	554.6	530.5
80°	347.6	353.1	341.5	309.1	291.4	275.4	226.0	203.8	183.3	175.6	158.2
82.5°	199.3	186.2	172.0	161.1	140.3	126.1	106.9	94.7	81.5	70.0	65.8
85°	161.4	143.8	130.6	118.4	104.3	91.8	75.7	63.2	53.6	46.5	44.9
87.5°	133.2	121.0	107.5	96.0	82.2	69.3	53.6	41.7	33.1	26.6	24.7
90°	11.9	16.0	11.6	6.4	9.6	5.1	2.9	3.2	2.6	2.6	2.9
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	64°	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7
2.5°	446.8	446.8	447.4	448.1	448.4	448.4	448.4	449.0	449.3	448.4	449.3
5°	441.3	442.9	444.2	445.2	445.5	446.5	447.4	448.1	449.0	449.0	449.7
7.5°	433.9	436.8	438.4	440.0	441.6	443.2	445.2	446.5	447.1	448.4	449.3
10°	424.6	428.2	431.4	433.9	436.2	439.4	442.0	443.9	446.8	447.1	449.3
12.5°	414.7	419.8	422.4	427.2	430.4	435.2	437.8	440.7	443.9	445.5	448.1
15°	407.6	412.1	416.9	421.4	426.6	432.3	435.5	439.4	443.9	447.4	450.6
17.5°	402.2	408.3	413.7	419.5	425.9	432.0	436.8	441.0	446.8	448.7	451.9
20°	400.6	407.3	412.8	418.9	425.6	433.6	439.4	443.9	449.7	452.9	455.8
22.5°	399.9	406.3	412.8	420.1	427.5	435.9	442.0	447.7	453.5	456.4	458.6
25°	399.3	406.0	413.1	421.4	429.4	438.1	445.2	450.6	456.1	459.0	460.9
27.5°	399.3	406.3	414.0	422.4	431.0	440.7	447.4	452.6	457.4	459.9	460.6
30°	399.0	406.3	413.7	423.0	432.3	442.3	449.7	454.5	458.6	460.3	459.6
32.5°	399.6	407.3	415.3	424.6	434.3	443.9	451.6	457.0	459.3	459.0	458.6
35°	402.8	409.9	419.2	428.5	438.4	447.4	454.8	458.6	460.6	459.9	458.3
37.5°	411.5	418.5	427.8	438.1	445.8	456.1	462.8	465.7	466.0	464.1	460.3
40°	429.4	436.5	444.8	456.1	465.4	472.5	478.9	482.1	480.2	476.6	472.5
42.5°	458.0	467.0	476.9	485.9	496.8	506.5	508.1	510.0	506.8	500.1	494.9
45°	503.9	509.4	522.2	528.9	543.1	547.9	551.4	552.4	545.3	539.9	530.9
47.5°	570.0	580.6	589.6	596.0	606.3	612.7	619.8	616.6	611.1	601.8	589.9
50°	674.0	680.8	692.3	703.9	714.8	719.3	719.3	716.1	712.5	694.6	680.1
52.5°	801.8	802.4	819.1	832.9	842.2	835.5	843.5	835.5	833.2	820.7	808.8
55°	949.7	943.6	963.8	976.0	984.4	992.4	990.8	989.8	981.5	967.4	952.9
57.5°	1090.3	1107.9	1117.6	1135.6	1139.7	1145.2	1142.9	1139.7	1134.9	1126.9	1120.5
60°	1293.1	1305.0	1313.7	1317.2	1329.1	1330.7	1338.7	1325.6	1328.8	1319.5	1299.2
62.5°	1569.2	1556.3	1563.1	1563.1	1559.5	1547.0	1553.8	1558.9	1550.2	1542.5	1539.3
65°	1878.3	1836.8	1797.0	1790.3	1772.0	1767.8	1762.7	1749.9	1744.4	1730.9	1720.0
66°	1970.7	1906.5	1868.9	1845.8	1823.7	1818.9	1811.8	1798.3	1787.4	1768.5	1750.2
67.5°	2074.4	1991.5	1935.1	1902.3	1875.0	1857.1	1842.9	1823.7	1806.4	1778.1	1748.9
70°	2067.6	1999.3	1931.2	1881.5	1840.4	1803.5	1781.6	1740.2	1704.9	1664.5	1631.1
72.5°	1737.3	1725.2	1685.7	1657.8	1607.4	1587.8	1530.0	1503.7	1454.9	1402.6	1386.5
75°	1207.8	1159.9	1139.7	1128.5	1106.3	1045.4	1005.6	1014.2	957.1	906.1	876.9
77.5°	528.0	537.6	481.8	456.7	437.5	404.4	373.6	352.4	340.2	332.2	295.9
80°	146.0	127.4	125.8	116.8	114.9	102.4	104.0	95.0	88.9	87.6	84.7
82.5°	63.9	62.6	60.7	59.7	58.7	57.5	55.8	55.5	53.6	52.0	52.3
85°	42.4	42.0	41.1	40.1	38.5	36.3	34.7	33.4	33.7	32.1	31.8
87.5°	24.7	24.1	23.8	22.5	22.1	20.2	20.5	18.9	18.6	18.3	17.3
90°	3.5	3.9	4.8	4.5	3.2	6.1	5.1	4.5	4.8	3.9	3.9
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°

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REPORT NUMBER: P
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DISTRIBUTION (continued):											CANDELA DISTRIBUTION	
86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	110°	86°
449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7	449.7	110°	0.0
450.3	450.9	451.3	450.9	451.6	451.3	451.6	451.3	449.7	449.3	449.0	112.5°	0.0
450.9	452.2	452.6	452.9	452.2	452.9	451.6	446.5	440.7	434.3	429.1	115°	0.0
451.6	453.2	454.2	454.2	454.5	453.8	449.0	437.8	424.3	410.8	400.6	117.5°	0.0
451.3	453.5	454.5	454.8	454.8	453.5	442.0	424.0	403.4	382.9	362.0	120°	0.0
450.3	452.2	453.8	453.8	454.2	449.7	431.7	406.0	376.8	346.0	318.1	122.5°	0.0
452.2	454.2	454.2	454.2	453.8	446.1	420.8	383.5	344.4	302.7	261.3	125°	0.0
455.1	456.1	455.4	455.4	454.2	442.6	408.6	361.4	310.0	254.8	197.1	127.5°	0.0
457.7	458.3	458.0	456.4	454.8	438.8	396.1	338.0	269.0	197.1	139.6	130°	0.0
460.3	460.9	459.3	456.7	454.5	433.6	381.0	308.1	222.4	134.8	92.4	132.5°	0.0
460.6	461.2	458.3	454.8	451.6	425.9	362.7	276.3	171.4	87.3	72.2	135°	0.0
460.3	459.6	454.8	450.3	446.8	416.6	342.5	236.9	114.3	65.8	62.9	137.5°	0.0
458.0	455.1	451.3	446.1	441.0	406.3	322.2	192.9	72.2	57.1	57.1	140°	0.0
454.8	451.9	447.1	440.4	434.6	396.4	299.1	148.0	57.8	52.6	53.3	142.5°	0.0
453.5	450.3	443.2	436.2	428.8	387.4	274.7	99.5	52.0	49.7	50.1	145°	0.0
456.1	450.6	443.6	435.5	426.9	379.7	249.4	69.3	49.1	46.5	47.2	147.5°	0.0
464.7	459.6	451.3	441.0	431.7	375.2	222.4	57.5	46.2	44.0	44.0	150°	0.0
485.6	478.9	467.6	455.4	444.2	378.1	198.4	52.3	44.0	41.7	41.7	152.5°	0.0
519.3	511.3	498.1	484.3	469.6	392.2	171.1	50.4	42.4	39.2	38.5	155°	0.0
577.1	566.5	549.2	532.8	515.1	416.6	143.5	49.1	40.4	37.6	36.3	157.5°	0.0
667.9	652.2	631.6	610.1	588.6	461.2	121.6	47.8	39.2	36.3	35.0	160°	0.0
784.7	774.2	748.5	720.2	694.6	550.1	109.1	46.9	38.2	34.7	33.7	162.5°	0.0
933.7	916.3	896.1	870.8	840.3	665.3	107.8	46.5	37.2	33.4	32.7	165°	0.0
1090.9	1084.2	1049.9	1034.1	1001.1	818.8	131.3	47.2	36.6	32.4	31.5	167.5°	0.0
1270.4	1272.9	1240.8	1223.5	1196.2	1013.3	208.9	49.1	36.6	31.5	30.5	170°	0.0
1505.0	1509.1	1471.3	1450.7	1427.6	1231.2	328.3	52.3	37.6	30.5	29.5	172.5°	0.0
1697.2	1674.8	1650.4	1614.4	1585.2	1352.8	316.1	58.1	38.8	29.5	28.6	175°	0.0
1717.1	1701.1	1670.3	1631.4	1595.8	1353.5	276.0	60.0	39.2	29.2	28.2	177.5°	0.0
1714.6	1686.0	1651.0	1618.3	1583.3	1318.8	213.4	62.6	40.1	28.6	27.6	180°	0.0
1595.8	1555.7	1521.7	1476.4	1439.8	1180.2	131.3	62.3	38.8	26.6	26.0		
1315.9	1295.4	1254.9	1218.7	1180.5	955.2	89.9	55.5	34.3	24.1	24.4		
851.2	827.8	786.7	766.1	744.6	611.1	70.0	45.3	29.2	21.5	22.5		
284.0	274.7	259.7	268.0	255.5	238.2	51.4	34.3	23.4	18.6	19.9		
85.1	83.1	86.0	80.9	85.7	72.5	33.7	24.1	18.0	16.0	17.7		
50.4	49.7	49.7	49.7	48.5	45.3	22.1	16.7	13.8	13.5	14.8		
30.8	30.2	30.5	30.2	30.8	27.6	15.1	11.6	10.3	9.9	11.9		
17.7	17.7	18.0	17.3	17.7	17.0	10.6	7.4	6.7	6.4	8.7		
4.2	4.2	3.2	2.9	3.2	4.5	2.9	2.2	1.9	1.6	2.9		
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	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	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'226804
 ISW-AF-350-LED-E1-SL2-7030

REPORT NUMBER: P226804
 CATALOG NUMBER: ISW-AF-3!

TION (continued):

CANDELA DISTRIBUTION (con

87°	88°	89°	90°	95°	105°	115°	125°	135°	145°		155°	165°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	449.7	449.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	446.5	444.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	421.1	415.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	384.5	377.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	342.8	332.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	289.5	268.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	227.9	200.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	156.9	134.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	110.1	101.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	85.1	85.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	70.6	73.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	62.3	65.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	57.1	60.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	53.6	54.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	49.4	50.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	45.9	45.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	42.7	42.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	39.8	39.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	36.9	37.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	35.3	35.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	33.7	34.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	32.4	32.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	31.1	30.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	30.2	29.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	29.2	28.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	28.6	27.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	27.9	27.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66°	27.6	27.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	27.3	26.6
										70°	26.0	25.4
										72.5°	24.1	23.8
										75°	22.1	21.5
										77.5°	19.6	19.3
										80°	16.7	16.4
										82.5°	14.1	13.5
										85°	11.2	10.6
										87.5°	7.7	7.1
										90°	1.9	2.2
										92.5°	0.0	0.0
										95°	0.0	0.0
										97.5°	0.0	0.0
										100°	0.0	0.0
										102.5°	0.0	0.0
										105°	0.0	0.0
										107.5°	0.0	0.0



REPORT NUMBER: P226804

CATALOG NUMBER: ISW-AF-350-LED-E1-

50-LED-E1-SL2-7030

tinued):

175°	180°
449.7	449.7
442.3	445.2
413.1	412.1
371.7	372.0
321.6	322.2
256.8	252.9
183.9	185.5
128.1	127.7
102.7	103.3
87.9	87.9
78.3	78.3
69.0	69.3
62.6	63.2
56.8	57.1
51.0	51.4
46.2	46.2
43.0	43.3
40.8	40.8
38.5	38.5
36.6	37.2
34.7	35.0
32.7	33.1
30.8	30.8
29.2	29.2
27.9	27.6
27.0	26.3
26.0	25.7
25.7	25.4
25.4	25.0
24.7	24.4
23.8	23.4
21.8	21.2
19.9	19.3
18.3	17.3
15.4	14.8
11.2	10.6
6.7	6.7
1.6	1.6
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

CANDELA DISTRIBUTION (continued):

	155°	165°	175°
110°	0.0	0.0	0.0
112.5°	0.0	0.0	0.0
115°	0.0	0.0	0.0
117.5°	0.0	0.0	0.0
120°	0.0	0.0	0.0
122.5°	0.0	0.0	0.0
125°	0.0	0.0	0.0
127.5°	0.0	0.0	0.0
130°	0.0	0.0	0.0
132.5°	0.0	0.0	0.0
135°	0.0	0.0	0.0
137.5°	0.0	0.0	0.0
140°	0.0	0.0	0.0
142.5°	0.0	0.0	0.0
145°	0.0	0.0	0.0
147.5°	0.0	0.0	0.0
150°	0.0	0.0	0.0
152.5°	0.0	0.0	0.0
155°	0.0	0.0	0.0
157.5°	0.0	0.0	0.0
160°	0.0	0.0	0.0
162.5°	0.0	0.0	0.0
165°	0.0	0.0	0.0
167.5°	0.0	0.0	0.0
170°	0.0	0.0	0.0
172.5°	0.0	0.0	0.0
175°	0.0	0.0	0.0
177.5°	0.0	0.0	0.0
180°	0.0	0.0	0.0

