

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: LUMARK

Report Number: PSZ2F161101003-10

Luminaire Tested:

Test Date: 2016-11-03

**Test Information**

Test Method: LM-79-08  
Report Number: PSZ2F161101003-10  
Test Lab: BACL (Bay Area Compliance Labs)  
Test Date: 2016-11-03  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number:  
Description: WPSQLED-75-UNV-7050  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: 7917.5 (1 lamp)  
Luminaire Lumens: 7917.9 lumens  
Efficiency: 100.0%  
Efficacy: 106.3 lumens/watt  
Luminous Opening: Point Source (0m x 0m x 0m)  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B3 - U3 - G2

Input Watts (W): 74.47  
Input Voltage (V): NR  
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

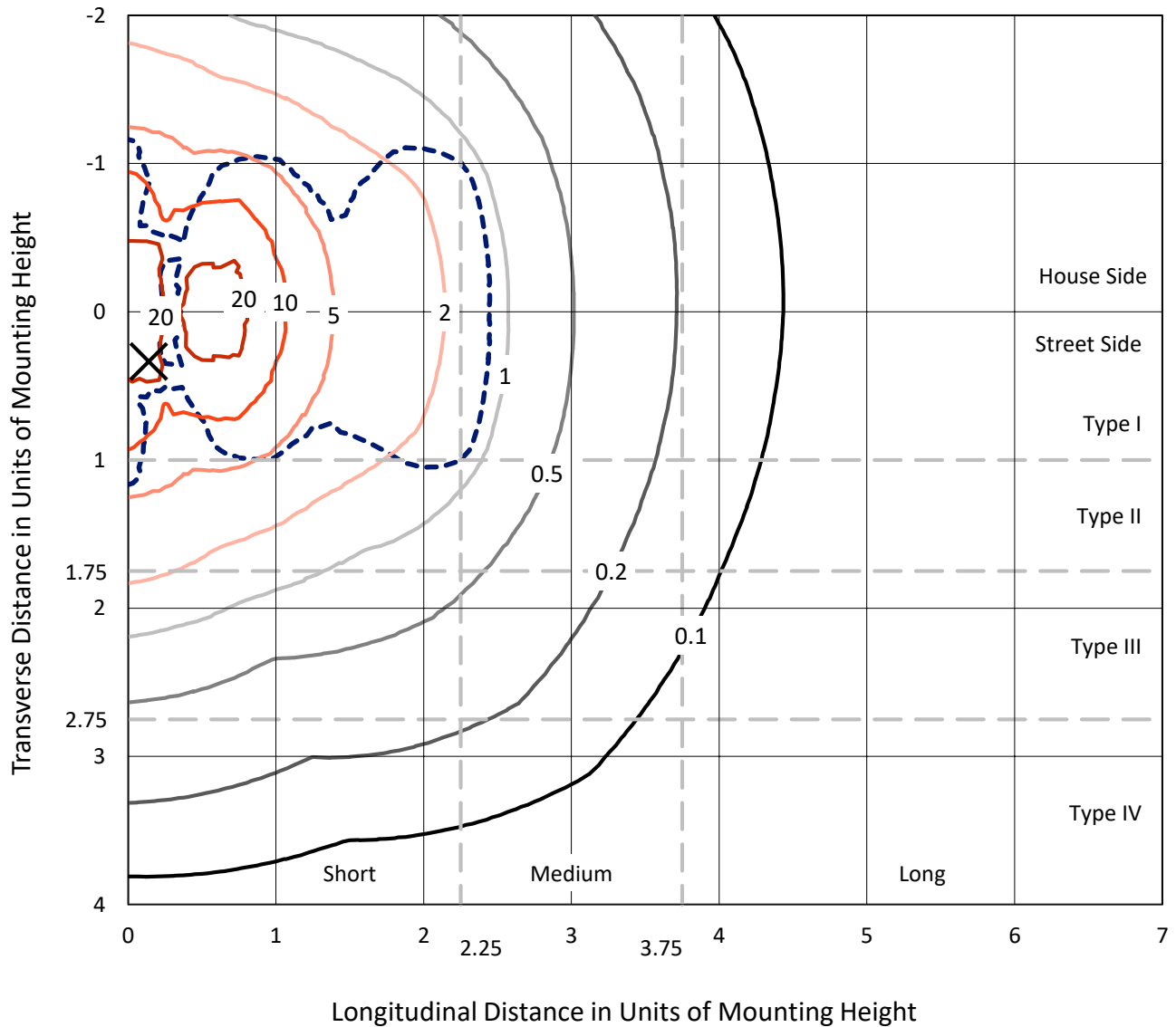


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### Iso-Footcandle Lines of Horizontal Illumination

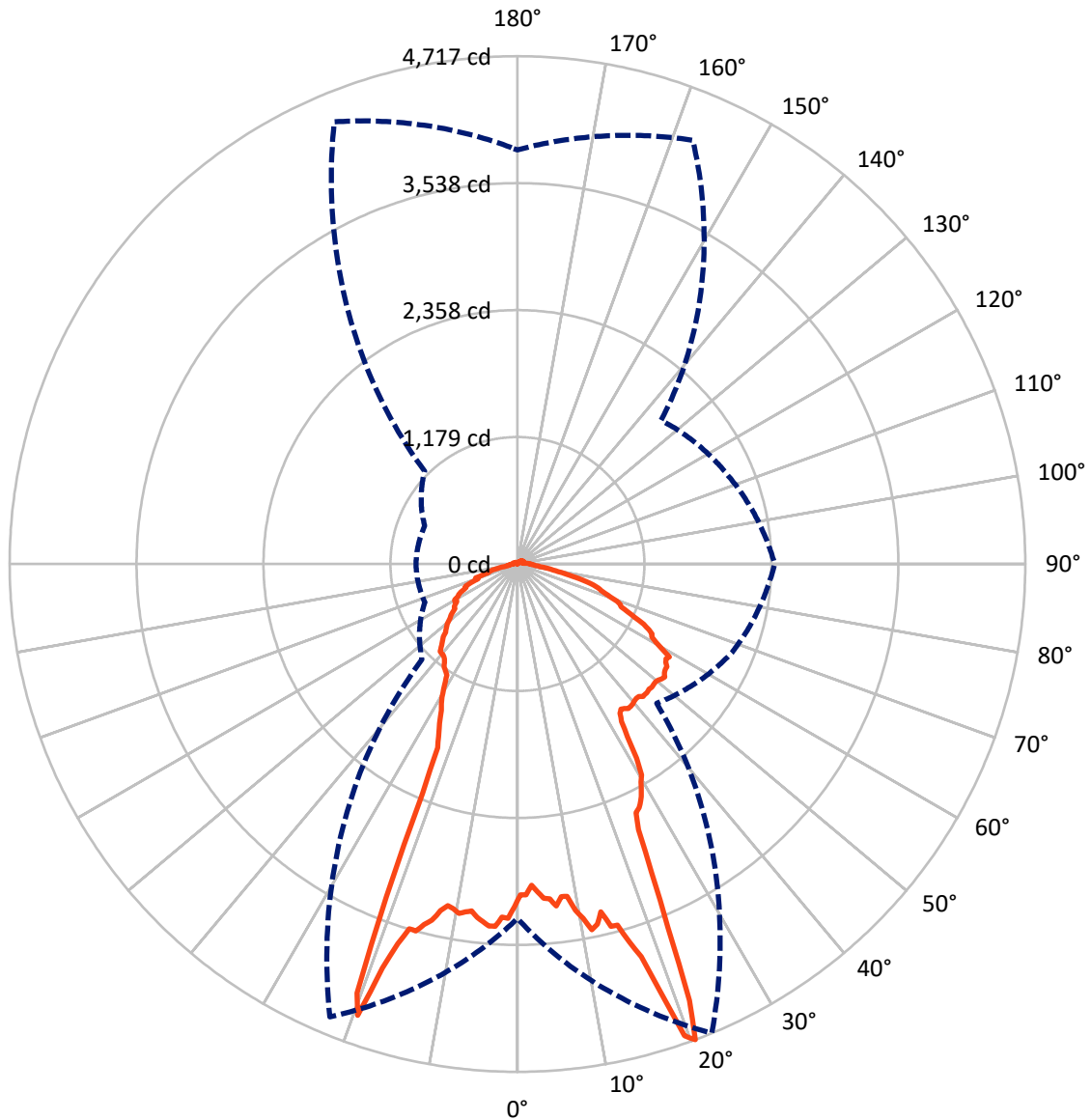
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 35.3 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 22.5-Deg Lateral    - - - Horizontal Cone Through 20-Deg Vertical

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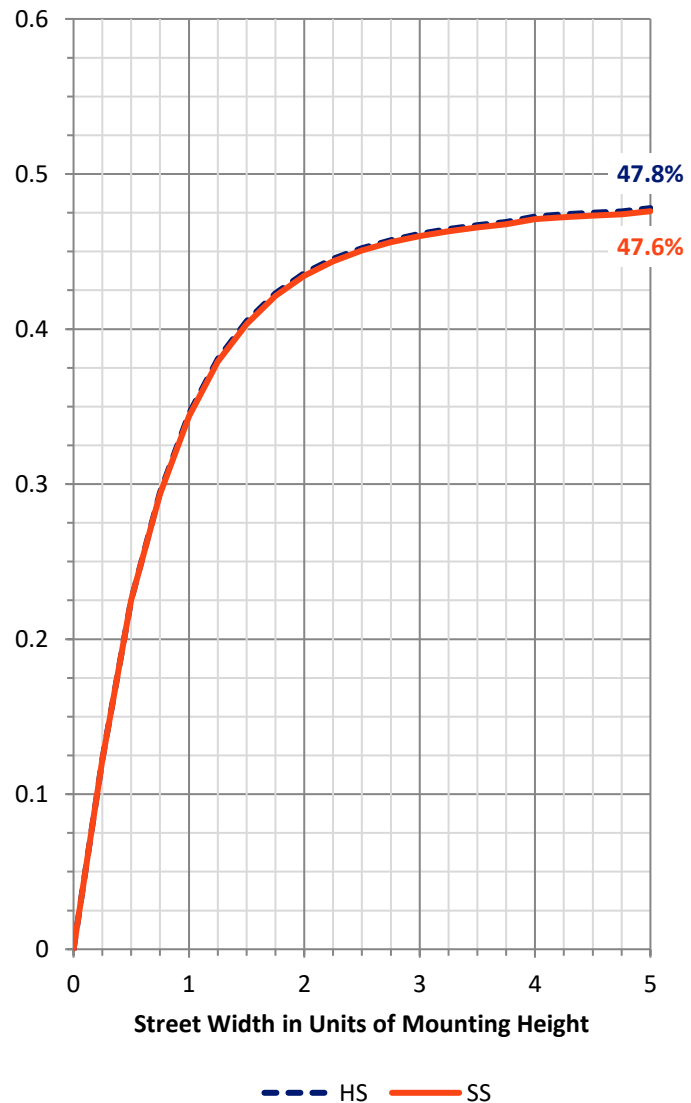
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3839.9	136.0	3975.9
	% Lamp	48.5	1.7	50.2
<b>Street Side</b>	Lumens	3805.4	136.6	3942.0
	% Lamp	48.1	1.7	49.8
<b>Total</b>	Lumens	7645.2	272.7	7917.9
	% Lamp	96.6	3.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	317.8	4.0	4.0
10°-20°	751.2	9.5	9.5
20°-30°	954.1	12.1	12.1
30°-40°	1188.6	15.0	15.0
40°-50°	1327.7	16.8	16.8
50°-60°	1205.4	15.2	15.2
60°-70°	1077.3	13.6	13.6
70°-80°	601.3	7.6	7.6
80°-90°	221.7	2.8	2.8
90°-100°	94.0	1.2	1.2
100°-110°	52.0	0.7	0.7
110°-120°	41.0	0.5	0.5
120°-130°	36.3	0.5	0.5
130°-140°	26.1	0.3	0.3
140°-150°	15.4	0.2	0.2
150°-160°	5.8	0.1	0.1
160°-170°	1.8	0.0	0.0
170°-180°	0.3	0.0	0.0
0°-90°	7645.2	96.6	96.6
0°-180°	7917.9	100.0	100.0

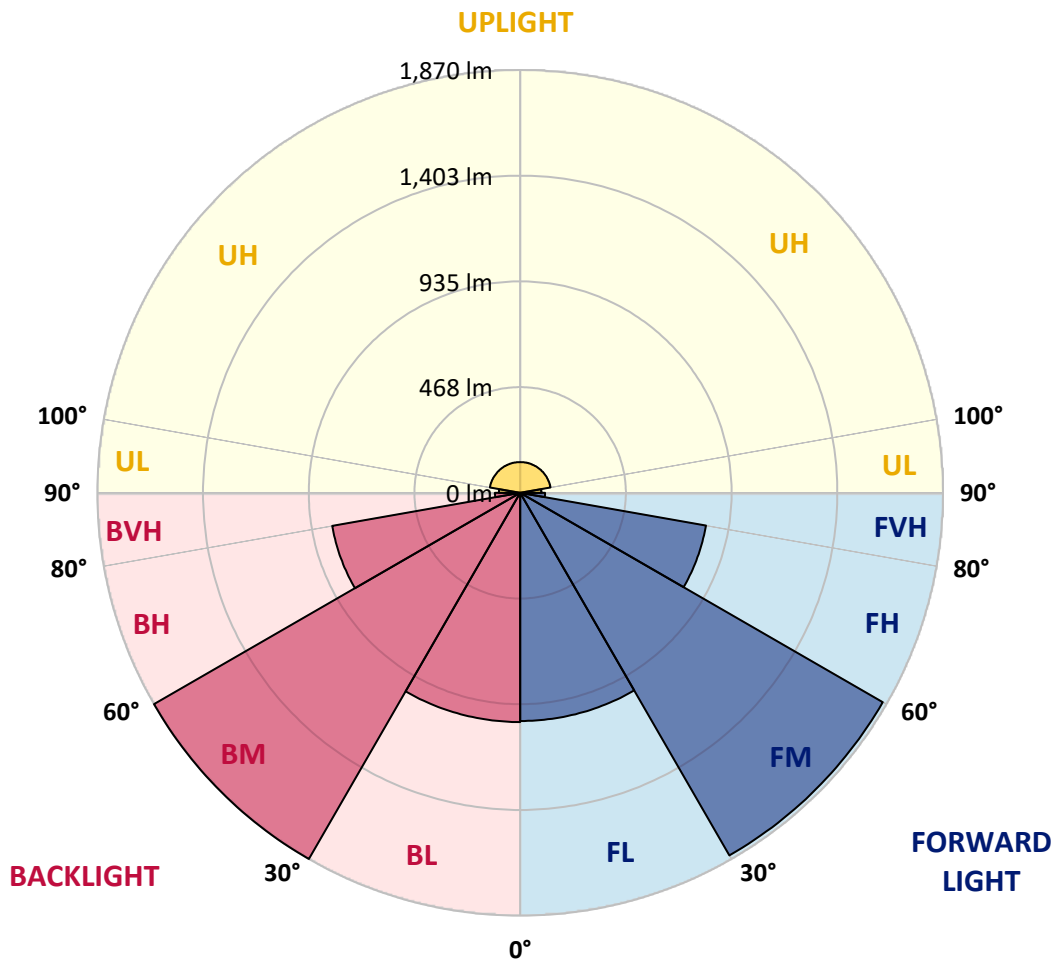


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1009.2	12.7			
FM (30°-60°)	1851.7	23.4			
FH (60°-80°)	834.6	10.5			G1/1800
FVH (80°-90°)	109.9	1.4			G2/225
BL (0°-30°)	1014.0	12.8	B3/2500		
BM (30°-60°)	1870.1	23.6	B2/2500		
BH (60°-80°)	844.0	10.7	B2/1000		G2/1000
BVH (80°-90°)	111.7	1.4			G2/225
UL (90°-100°)	94.0	1.2		U3/500	
UH (100°-180°)	136.0	1.7		U3/500	
Trapped Light	-0.4	0.0			

**BUG Rating: B3-U3-G2**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	3072.6	3072.6	3072.6	3072.6	3072.6	3072.6	3072.6	3072.6	3072.6	3072.6	3072.6
1°	2996.8	3072.5	3140.9	3168.4	3176.7	3203.2	3222.6	3196.3	3174.5	3180.8	3211.1
2°	2879.5	2986.4	3092.1	3211.8	3201.4	3251.8	3265.5	3200.4	3220.3	3291.8	3473.1
3°	2937.1	3048.4	3032.6	3252.2	3291.8	3304.4	3180.0	3117.7	3115.5	3281.9	3443.4
4°	2942.9	3112.8	3134.1	3311.6	3400.6	3358.1	3130.3	3159.3	3160.7	3370.4	3280.9
5°	2965.7	3124.9	3293.6	3315.6	3415.4	3349.9	3206.4	3123.1	3154.4	3372.2	3304.9
6°	2925.5	3197.6	3447.9	3418.9	3638.2	3372.6	3273.3	3110.1	3143.5	3338.8	3285.6
7°	2853.6	3116.0	3554.4	3526.9	3597.6	3495.6	3288.3	3088.7	3100.9	3303.6	3267.9
8°	2945.0	3120.2	3719.1	3491.1	3690.4	3480.9	3404.3	3059.4	3074.4	3250.9	3385.8
9°	2969.1	3260.5	3595.1	3827.3	4070.7	3772.6	3548.0	3126.8	3117.2	3267.5	3329.4
10°	3095.2	3346.8	3326.9	3966.6	3799.7	3979.3	3474.3	3174.4	3064.6	3290.2	3313.1
11°	3070.9	3467.9	3397.0	3773.4	3339.4	3795.4	3463.2	3176.5	3014.9	3257.7	3494.7
12°	3088.6	3425.3	3788.5	3267.0	2429.7	3358.2	3769.4	3193.5	2987.0	3238.5	3401.1
13°	3226.2	3322.5	3799.9	2415.5	1942.4	2685.6	3883.1	3166.0	2979.0	3297.6	3097.6
14°	3275.6	3474.9	3508.2	1935.5	1801.0	2120.5	3597.5	3140.5	3017.0	3403.3	2690.6
15°	3336.1	3479.9	3162.0	1799.1	1804.5	1858.0	3206.0	3251.4	3109.0	3459.3	2177.4
16°	3441.3	3662.5	2644.3	1802.6	1909.5	1820.8	2731.7	3411.8	3241.7	3536.1	1773.4
17°	3667.3	3822.6	2169.6	1842.3	2054.0	1885.7	2292.4	3617.0	3485.8	3534.4	1564.0
18°	3988.5	4189.8	1961.9	1913.7	2145.8	1972.0	2049.4	3869.6	3923.0	3696.0	1396.6
19°	3844.1	4647.9	1865.8	2035.1	2240.2	2044.5	1926.7	4164.9	4218.8	3957.3	1308.1
20°	3291.2	4716.8	1828.6	2154.3	2389.2	2124.8	1886.8	4259.9	3845.4	4445.5	1219.6
21°	2666.2	4356.8	1850.5	2284.7	2581.1	2239.0	1894.1	3983.9	3065.6	4254.8	1132.5
22°	2252.3	3650.9	1919.3	2420.8	2890.5	2384.4	1945.1	3498.4	2488.8	3321.8	1109.4
23°	2192.6	3131.4	1992.1	2583.7	3285.0	2563.2	2005.2	3040.7	2275.7	2305.9	1119.2
24°	2292.4	2712.1	2078.0	2897.4	3567.1	2832.5	2071.2	2763.7	2225.4	1860.0	1133.6
25°	2371.5	2558.7	2194.9	3216.8	3695.4	3109.7	2163.7	2642.3	2338.5	1762.6	1120.2
26°	2413.3	2530.0	2270.2	3436.7	3696.3	3341.7	2262.1	2600.1	2468.8	1689.4	1055.3
27°	2451.8	2481.5	2311.7	3525.0	3752.1	3528.0	2325.1	2569.6	2598.0	1606.0	942.3
28°	2428.1	2412.8	2335.0	3568.1	3718.2	3622.1	2341.5	2480.0	2579.6	1532.1	847.0
29°	2350.1	2327.8	2355.2	3644.0	3780.5	3637.8	2373.6	2337.1	2582.2	1477.5	763.4
30°	2343.7	2274.3	2404.9	3670.4	3843.2	3617.4	2427.0	2110.8	2544.5	1420.3	682.3
31°	2381.6	2116.8	2479.2	3690.1	3856.7	3649.7	2475.0	1897.5	2571.3	1350.7	617.5
32°	2457.3	1901.6	2574.3	3701.5	3739.3	3692.9	2556.3	1756.6	2550.3	1280.9	565.1
33°	2578.7	1753.1	2654.4	3704.5	3671.8	3713.1	2693.3	1687.5	2550.1	1220.8	528.6
34°	2655.4	1681.7	2744.9	3702.9	3775.4	3704.5	2799.6	1660.4	2493.3	1204.5	491.4
35°	2648.7	1655.1	2804.3	3754.6	4003.4	3698.2	2866.4	1648.3	2475.5	1188.1	459.6
36°	2667.4	1668.8	2841.7	3840.9	4329.6	3767.0	2925.2	1661.3	2529.9	1171.5	430.4
37°	2682.4	1690.5	2857.2	3971.5	4601.7	3848.4	2995.4	1652.7	2619.0	1140.3	401.9
38°	2716.0	1689.0	2852.9	4228.7	4425.3	4070.1	3055.9	1621.0	2623.6	1114.2	378.2
39°	2749.9	1684.7	2831.2	4489.8	3930.0	4443.9	3083.8	1609.1	2609.9	1098.5	355.3
40°	2696.6	1672.2	2783.5	4453.5	3629.2	4648.8	3066.2	1640.7	2666.0	1087.3	335.1
41°	2613.9	1665.0	2767.5	4135.1	3648.8	4440.2	3056.5	1654.9	2778.7	1089.0	314.3
42°	2530.1	1667.1	2810.8	3913.6	3679.7	4108.0	3040.5	1674.9	2679.7	1082.7	295.4
43°	2508.4	1695.1	2851.0	3767.5	3464.6	3858.2	3029.4	1713.3	2562.1	1049.2	276.9
44°	2514.7	1694.7	2890.9	3588.6	3239.2	3708.7	3007.9	1725.0	2498.9	1016.5	261.1



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 CATALOG NUMBER:

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	2459.0	1694.9	2935.2	3363.3	3141.3	3483.8	3002.2	1689.6	2441.8	993.0	245.5
46°	2387.6	1686.1	2964.9	3147.3	3149.6	3254.8	3059.5	1692.5	2437.8	965.3	229.7
47°	2433.8	1692.8	2956.7	3002.2	3116.6	3061.0	3141.1	1690.7	2448.4	920.3	218.9
48°	2425.9	1688.8	2913.4	2930.6	3096.4	2965.4	3119.3	1702.8	2421.1	900.7	206.9
49°	2335.6	1685.7	2824.5	2886.8	3182.6	2922.1	3014.3	1728.2	2333.8	879.2	194.4
50°	2226.7	1695.0	2705.3	2869.9	3132.7	2928.1	2856.0	1740.8	2198.7	857.3	179.8
51°	2109.7	1712.5	2579.1	2834.6	2773.2	2889.9	2714.2	1746.6	2053.9	821.7	169.9
52°	1969.6	1724.4	2486.6	2747.3	2591.8	2823.6	2595.5	1745.7	1989.4	796.9	160.8
53°	1843.8	1698.3	2395.4	2627.0	2529.0	2701.6	2508.7	1726.6	1891.4	774.2	153.0
54°	1812.8	1686.1	2323.1	2487.7	2514.6	2514.4	2407.8	1752.6	1810.5	742.5	146.0
55°	1922.7	1683.6	2224.9	2415.5	2576.0	2386.1	2311.2	1724.3	1811.2	712.6	139.6
56°	2093.5	1650.3	2116.1	2379.2	2550.7	2317.3	2221.1	1644.3	1932.6	711.9	133.2
57°	2178.8	1637.0	2027.9	2380.1	2544.2	2265.8	2134.3	1593.3	2055.8	698.9	126.8
58°	1959.3	1654.0	1967.4	2404.4	2660.0	2285.7	2059.1	1644.7	1975.1	678.7	121.5
59°	1927.3	1563.9	1911.1	2454.8	2627.6	2322.9	2036.5	1575.0	1845.6	658.8	115.7
60°	1909.5	1478.8	1815.2	2464.3	2691.7	2376.3	1987.8	1464.8	1802.2	677.5	109.2
61°	1908.5	1418.6	1725.6	2479.1	2790.6	2434.0	1860.8	1436.6	1737.1	665.9	104.6
62°	1750.3	1410.5	1639.9	2519.5	2704.4	2513.0	1769.2	1380.7	1756.9	628.5	100.3
63°	1632.4	1365.4	1584.8	2528.9	2714.7	2567.5	1733.2	1367.2	1738.6	616.4	96.7
64°	1517.2	1299.0	1556.9	2547.3	2763.7	2639.5	1693.4	1328.0	1532.8	589.8	92.1
65°	1417.9	1198.6	1536.2	2564.5	2642.7	2653.9	1679.2	1216.0	1443.9	547.6	86.9
66°	1357.1	1117.2	1523.5	2519.5	2547.5	2565.7	1661.8	1108.5	1323.8	524.6	81.7
67°	1332.1	1044.1	1523.4	2443.5	2439.7	2458.8	1635.8	1046.4	1248.0	528.8	77.4
68°	1266.0	1025.0	1526.9	2329.8	2222.4	2326.9	1599.6	996.4	1279.6	498.9	73.0
69°	1143.7	989.7	1540.7	2142.1	2042.6	2129.3	1568.4	983.8	1168.0	438.7	67.6
70°	1026.9	915.2	1520.2	1976.6	1930.3	1943.4	1507.6	918.2	1056.4	390.0	63.2
71°	948.1	863.2	1464.2	1775.6	1703.5	1761.9	1428.3	806.3	945.4	405.0	59.0
72°	909.6	815.6	1418.2	1583.7	1546.8	1582.9	1375.7	747.8	865.0	408.1	54.7
73°	847.0	783.7	1343.1	1406.1	1418.2	1439.1	1320.9	720.9	899.5	340.3	50.8
74°	756.2	732.9	1252.2	1254.7	1244.2	1314.2	1227.0	696.5	876.9	286.1	47.5
75°	634.2	666.6	1158.1	1109.5	1122.0	1179.3	1134.4	650.6	750.4	268.7	45.6
76°	549.1	592.9	1053.7	1007.6	1040.9	1073.0	1022.9	598.1	577.1	259.2	44.4
77°	464.6	523.3	950.8	916.1	959.0	985.0	918.1	542.8	465.1	233.7	43.2
78°	380.1	453.8	846.8	824.8	885.2	897.8	823.8	487.3	381.7	190.5	41.8
79°	320.5	384.3	746.7	753.1	817.6	821.3	735.4	431.9	288.4	147.4	40.4
80°	260.5	336.6	663.7	692.8	762.9	746.0	672.6	362.3	238.9	104.7	39.5
81°	202.8	291.2	596.3	643.5	699.4	684.9	610.2	293.3	193.6	94.0	39.0
82°	157.5	245.8	545.0	597.0	643.9	626.8	563.6	239.0	164.4	85.0	38.7
83°	126.5	210.3	494.1	565.6	598.0	579.1	517.3	204.0	135.2	78.4	38.8
84°	102.0	184.6	443.2	534.3	557.5	542.9	470.9	182.0	106.0	73.8	39.8
85°	83.6	165.3	407.8	503.0	517.1	506.9	435.9	164.1	86.8	69.1	40.8
86°	68.2	152.0	379.0	470.1	476.8	468.0	406.4	152.9	77.8	65.4	41.0
87°	58.5	139.7	355.6	439.5	440.8	431.3	379.2	140.6	68.4	62.6	40.1
88°	50.2	130.3	335.4	406.7	407.2	396.4	354.6	131.9	61.0	59.1	38.0
89°	41.9	122.2	316.5	378.8	369.2	367.0	333.4	120.4	44.7	55.5	35.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	37.8	115.7	299.6	352.4	352.3	339.3	312.7	113.5	38.4	50.6	32.5
91°	35.5	110.1	282.1	328.7	327.5	313.7	286.1	107.0	36.1	47.1	28.9
92°	33.7	103.4	261.2	299.8	318.1	289.0	262.9	97.5	34.2	43.5	24.7
93°	29.4	89.2	240.0	276.1	302.4	267.5	206.4	82.6	29.8	40.2	21.6
94°	26.9	74.8	167.4	229.3	286.2	227.9	157.4	70.3	27.1	38.2	20.7
95°	25.5	62.9	135.4	210.7	260.3	212.2	131.4	59.4	25.2	34.2	21.0
96°	24.6	60.0	119.4	195.0	241.4	196.2	112.4	57.5	23.8	29.7	21.6
97°	25.5	57.5	106.8	182.3	220.8	182.1	101.5	55.6	24.6	28.7	20.7
98°	26.6	54.9	97.4	167.8	205.5	169.9	94.5	53.7	25.3	28.2	18.4
99°	26.5	52.1	98.3	156.4	196.6	158.4	92.9	50.3	25.9	28.6	16.3
100°	25.2	48.8	90.8	146.5	185.8	146.3	88.1	47.0	24.6	28.7	14.5
101°	21.8	47.5	84.3	140.4	180.5	138.3	84.4	47.3	21.4	30.3	16.0
102°	19.8	48.8	81.2	135.4	172.5	133.6	85.6	49.7	19.1	29.8	16.6
103°	19.8	50.5	78.8	128.7	175.4	126.5	83.4	52.8	18.9	29.5	17.6
104°	21.8	53.5	71.7	120.6	173.2	116.9	78.4	56.3	21.3	31.6	18.1
105°	24.5	57.3	63.8	114.1	157.3	109.7	68.7	60.0	24.3	34.1	18.9
106°	28.0	60.7	59.0	105.7	150.1	101.2	64.1	63.4	28.1	37.2	19.2
107°	31.7	62.5	59.4	96.2	141.9	91.1	62.8	64.8	31.5	37.6	17.8
108°	34.6	61.8	59.9	84.4	128.0	80.5	65.3	64.1	34.6	36.2	16.2
109°	35.2	61.1	64.3	75.8	114.8	73.2	70.7	62.9	35.6	34.9	15.6
110°	34.8	60.5	68.8	69.1	103.1	67.9	73.7	61.7	35.5	33.7	14.9
111°	34.5	59.3	71.6	66.1	95.1	65.7	74.6	60.6	35.0	32.5	14.0
112°	34.0	58.4	73.7	65.4	90.2	65.7	75.5	59.7	34.5	31.2	13.9
113°	33.3	57.3	74.3	68.6	85.8	68.6	74.9	58.9	33.7	30.2	13.3
114°	32.7	56.4	73.3	74.5	87.0	75.5	73.2	58.1	33.0	28.8	12.9
115°	32.1	55.6	72.7	80.0	90.2	80.7	72.2	57.4	32.1	27.5	12.1
116°	31.0	54.8	72.1	83.8	99.4	84.4	71.6	56.3	30.9	26.2	11.3
117°	30.1	54.2	71.5	87.4	103.0	88.3	71.2	55.6	29.6	24.9	10.5
118°	29.4	53.9	71.0	91.2	107.6	91.0	70.8	55.1	28.5	23.8	9.6
119°	28.8	53.8	70.2	93.5	112.9	93.8	70.0	54.9	27.8	22.5	8.7
120°	28.4	53.6	69.5	93.9	115.9	93.6	69.7	54.5	27.4	21.8	8.0
121°	28.4	53.2	69.1	93.9	119.9	93.1	69.2	53.8	27.0	21.4	7.2
122°	28.2	52.7	68.3	93.3	119.2	92.7	68.7	52.9	26.9	21.1	6.6
123°	28.1	51.9	67.7	92.5	119.3	92.1	68.2	51.9	26.8	20.8	6.1
124°	28.1	50.9	67.1	91.7	119.8	90.9	67.7	50.7	27.0	20.4	5.7
125°	28.1	49.6	66.5	90.6	121.3	89.5	66.9	49.3	27.3	19.9	5.3
126°	27.9	48.6	66.1	89.6	119.6	88.7	66.5	47.7	27.8	19.7	5.0
127°	27.7	47.4	65.9	88.8	116.8	87.8	66.5	46.3	27.8	19.7	4.7
128°	27.6	46.1	65.2	89.0	113.2	88.4	66.4	44.8	27.8	20.2	4.5
129°	25.4	44.3	64.6	89.4	111.0	88.5	66.0	43.6	27.4	21.4	4.3
130°	20.2	42.2	63.8	89.9	113.3	89.1	64.7	42.1	22.3	22.5	4.1
131°	13.9	38.6	63.1	89.4	115.5	89.1	63.2	40.0	15.3	21.3	3.9
132°	10.6	35.3	62.0	88.5	117.7	88.5	62.1	37.6	10.7	19.2	3.7
133°	12.7	32.6	61.5	86.2	119.6	86.3	61.2	33.7	9.6	19.2	3.3
134°	16.9	28.8	61.5	84.2	118.9	83.8	61.0	31.3	13.6	20.1	3.1



REPORT NUMBER: PSZ2F161101003-10  
 CATALOG NUMBER:

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	16.8	22.7	62.5	81.6	113.9	81.5	62.1	29.5	16.0	20.3	2.9
136°	15.7	18.7	64.8	79.5	109.8	79.3	65.2	24.9	15.4	21.7	2.7
137°	14.4	15.8	68.1	77.3	106.8	77.2	69.8	20.5	14.0	22.2	2.5
138°	12.8	12.1	70.3	75.3	104.1	75.1	72.8	17.1	12.7	19.4	2.3
139°	11.6	9.6	68.8	74.0	99.6	73.5	73.2	13.3	11.5	14.4	2.1
140°	10.8	9.5	64.2	73.7	93.6	73.5	70.1	9.6	10.3	9.3	2.0
141°	10.2	10.4	58.4	74.7	88.2	74.5	64.3	7.5	9.3	4.3	2.0
142°	9.6	13.0	53.3	76.2	83.8	76.5	59.3	8.0	8.7	3.1	2.0
143°	9.0	15.8	49.5	77.3	81.0	77.7	54.4	9.3	8.1	4.0	2.1
144°	8.3	18.2	46.5	77.8	82.1	77.9	49.4	12.6	7.5	5.2	2.1
145°	7.6	20.2	44.2	77.8	89.1	77.8	47.1	15.4	6.7	4.4	2.1
146°	7.0	19.5	42.1	75.4	100.0	77.0	44.7	17.8	5.8	3.6	2.0
147°	5.8	16.1	39.9	69.9	104.6	72.9	42.3	19.3	4.8	3.0	2.0
148°	4.5	14.3	37.6	63.5	93.4	66.5	39.8	19.2	4.3	2.8	2.0
149°	3.3	13.6	35.7	59.0	77.2	59.6	37.8	16.3	3.5	2.4	2.0
150°	2.6	13.1	34.2	54.4	64.9	55.7	36.1	15.0	3.0	2.0	2.0
151°	2.6	13.3	29.2	49.9	58.7	51.8	34.5	14.5	2.6	1.6	2.0
152°	2.6	12.5	22.0	47.3	54.3	48.0	27.7	14.4	1.7	1.6	2.0
153°	2.8	11.5	15.6	45.3	50.0	45.8	20.5	13.5	1.6	1.6	2.1
154°	2.8	11.0	10.0	43.2	47.4	43.9	13.9	12.9	1.7	1.7	2.1
155°	2.8	10.5	5.6	41.2	45.3	42.0	8.6	12.3	1.7	1.7	2.0
156°	2.8	10.1	5.5	39.1	43.3	39.9	7.9	11.6	1.7	1.7	2.0
157°	2.9	9.8	5.5	34.4	41.1	37.0	7.3	10.9	1.7	1.7	2.0
158°	2.9	9.5	9.4	25.0	38.9	27.6	6.8	10.3	1.7	1.7	2.0
159°	3.0	9.1	13.3	16.6	31.6	18.8	10.0	9.6	1.7	1.8	1.9
160°	3.0	8.6	17.3	9.3	21.8	11.1	13.3	9.0	1.7	1.7	1.9
161°	3.0	8.1	17.7	7.3	13.2	12.1	16.6	8.4	1.7	1.7	1.8
162°	3.0	7.5	17.0	5.6	6.2	13.4	15.8	7.8	1.7	1.7	1.8
163°	2.9	6.9	16.2	10.6	9.0	14.7	14.7	7.2	1.7	1.7	1.9
164°	2.9	6.3	15.1	15.8	12.0	16.0	13.8	6.6	1.7	1.7	1.8
165°	2.9	5.7	13.9	21.0	14.9	17.3	12.7	6.0	1.8	1.8	1.9
166°	2.9	5.2	12.7	19.4	17.9	16.1	11.6	5.5	1.8	1.8	1.9
167°	2.9	4.7	11.3	17.4	16.7	14.5	10.5	5.0	1.8	1.8	1.9
168°	2.8	4.2	10.1	15.3	14.8	12.9	9.3	4.6	1.9	1.8	1.9
169°	2.8	3.8	8.9	13.3	13.0	11.4	8.3	4.2	1.9	1.9	1.9
170°	2.8	3.4	7.8	11.3	11.3	10.0	7.3	3.9	1.9	1.9	1.9
171°	2.8	3.0	6.7	9.5	9.6	8.6	6.3	3.5	1.9	1.9	1.9
172°	2.8	2.9	5.7	7.9	8.1	7.4	5.5	3.2	1.9	1.9	1.9
173°	2.8	2.8	4.8	6.5	6.8	6.3	4.7	3.0	1.9	1.9	1.9
174°	2.7	2.8	3.9	5.3	5.8	5.3	3.9	2.9	2.0	2.0	1.9
175°	2.7	2.8	3.0	4.2	4.7	4.2	3.2	2.9	2.0	2.0	2.0
176°	2.6	2.7	2.8	3.2	3.6	3.2	2.9	2.8	2.1	2.1	2.1
177°	2.6	2.6	2.7	2.8	2.8	2.8	2.8	2.7	2.2	2.2	2.2
178°	2.5	2.6	2.7	2.7	2.7	2.7	2.7	2.6	2.3	2.3	2.3
179°	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.5	2.3	2.3	2.4



REPORT NUMBER: PSZ2F161101003-10

CATALOG NUMBER:

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

REPORT NUMBER: PSZ2F161101003-10  
 CATALOG NUMBER:

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	247.5°	270°	292.5°	315°	337.5°	360°	
0°	3072.6	3072.6	3072.6	3072.6	3072.6	3072.6	45°
1°	3244.5	3239.9	3221.7	3164.5	3077.6	2996.8	46°
2°	3494.8	3426.5	3407.2	3319.9	3083.4	2879.5	47°
3°	3469.4	3424.0	3412.5	3231.6	3137.7	2937.1	48°
4°	3426.3	3432.1	3440.8	3270.6	3275.9	2942.9	49°
5°	3228.3	3282.9	3233.3	3428.1	3260.7	2965.7	50°
6°	3294.1	3372.8	3250.0	3346.9	3322.7	2925.5	51°
7°	3451.8	3389.1	3302.4	3312.8	3278.9	2853.6	52°
8°	3734.8	3550.1	3456.5	3493.8	3223.0	2945.0	53°
9°	3864.3	3296.4	3508.6	3445.5	3322.6	2969.1	54°
10°	3377.2	2712.2	3090.7	3453.0	3334.2	3095.2	55°
11°	2730.8	2019.6	2445.6	3554.3	3379.2	3070.9	56°
12°	2001.8	1660.1	1863.4	3333.2	3324.9	3088.6	57°
13°	1639.8	1484.7	1631.1	2936.5	3302.8	3226.2	58°
14°	1447.9	1345.6	1504.7	2477.6	3398.0	3275.6	59°
15°	1333.3	1264.1	1367.2	2007.9	3472.9	3336.1	60°
16°	1218.7	1182.6	1262.9	1716.5	3433.7	3441.3	61°
17°	1104.6	1101.6	1158.6	1540.2	3604.8	3667.3	62°
18°	1029.7	1054.5	1055.5	1402.6	3863.4	3988.5	63°
19°	977.1	993.2	986.6	1327.9	4314.7	3844.1	64°
20°	931.6	942.3	930.7	1253.2	4552.4	3291.2	65°
21°	886.7	896.6	877.7	1179.5	3916.9	2666.2	66°
22°	860.6	849.0	837.0	1163.1	2941.6	2252.3	67°
23°	837.2	796.3	815.0	1163.7	2068.4	2192.6	68°
24°	812.9	733.7	798.7	1156.1	1686.3	2292.4	69°
25°	777.6	682.4	755.5	1152.2	1552.3	2371.5	70°
26°	725.6	613.6	695.6	1110.9	1478.8	2413.3	71°
27°	661.2	554.6	634.3	1034.4	1419.7	2451.8	72°
28°	591.3	491.9	575.1	916.2	1352.2	2428.1	73°
29°	523.6	445.8	516.8	800.8	1294.5	2350.1	74°
30°	470.1	405.2	466.0	699.0	1256.5	2343.7	75°
31°	427.6	379.9	426.6	613.5	1202.4	2381.6	76°
32°	398.0	371.2	395.0	546.0	1148.5	2457.3	77°
33°	372.4	349.9	373.4	500.8	1106.2	2578.7	78°
34°	355.1	334.7	360.2	460.6	1091.3	2655.4	79°
35°	339.6	297.9	346.6	427.2	1103.1	2648.7	80°
36°	316.8	276.6	328.6	402.9	1101.7	2667.4	81°
37°	295.6	278.7	307.7	383.2	1103.8	2682.4	82°
38°	275.6	263.4	286.1	367.1	1091.3	2716.0	83°
39°	261.3	250.3	271.5	350.1	1084.1	2749.9	84°
40°	248.6	225.4	256.9	335.7	1078.4	2696.6	85°
41°	228.3	199.8	234.5	319.7	1070.8	2613.9	86°
42°	207.1	176.7	212.5	300.7	1058.2	2530.1	87°
43°	183.4	157.8	190.2	280.8	1041.5	2508.4	88°
44°	165.8	145.3	173.4	263.0	1024.8	2514.7	89°

NUMBER: PSZ2F161101003-10  
 NUMBER:

REPORT NUMBER: F  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

247.5°	270°	292.5°	315°	337.5°	360°
149.7	132.7	154.3	244.3	1003.6	2459.0
137.8	120.3	141.0	229.6	979.8	2387.6
125.9	114.7	127.7	219.1	951.9	2433.8
114.1	111.5	114.5	208.7	925.1	2425.9
106.3	108.4	105.8	198.0	901.9	2335.6
99.3	108.7	96.7	185.0	874.0	2226.7
93.9	105.0	90.4	175.5	837.7	2109.7
90.3	101.5	87.0	167.7	803.2	1969.6
87.7	99.6	84.5	158.8	770.3	1843.8
85.3	95.8	82.2	150.8	737.8	1812.8
83.1	93.5	80.5	143.0	713.2	1922.7
80.7	89.6	77.5	136.7	704.0	2093.5
77.4	84.6	73.6	130.4	733.3	2178.8
72.2	80.6	69.2	124.1	725.8	1959.3
66.7	75.2	64.7	118.4	717.1	1927.3
61.2	68.0	60.5	111.6	699.6	1909.5
55.5	62.0	55.3	106.9	666.0	1908.5
48.1	53.4	48.4	102.6	644.7	1750.3
42.4	43.3	43.3	98.7	613.7	1632.4
36.1	35.9	37.0	94.1	578.2	1517.2
28.8	31.4	29.0	89.8	563.6	1417.9
23.9	23.7	24.0	85.8	539.2	1357.1
17.7	16.1	17.6	82.2	492.9	1332.1
11.5	8.4	11.3	78.3	444.2	1266.0
5.4	0.9	5.0	74.4	417.3	1143.7
1.0	0.3	0.9	70.2	410.1	1026.9
0.5	0.3	0.5	65.7	394.6	948.1
0.5	0.3	0.5	60.8	348.4	909.6
0.5	0.4	0.5	57.0	306.1	847.0
0.5	0.4	0.5	54.0	274.0	756.2
0.5	0.4	0.6	52.5	261.0	634.2
0.5	0.4	0.6	50.8	254.1	549.1
0.5	0.4	0.6	48.8	229.3	464.6
0.6	0.5	0.6	46.4	193.1	380.1
0.6	0.5	0.6	44.8	163.5	320.5
0.6	0.5	0.7	44.0	133.9	260.5
0.6	0.5	0.7	43.4	104.4	202.8
0.6	0.5	0.7	43.3	91.8	157.5
0.7	0.6	0.7	43.6	81.6	126.5
0.7	0.6	0.8	43.8	74.8	102.0
0.7	0.6	0.8	43.6	70.2	83.6
0.7	0.7	0.8	43.1	65.0	68.2
0.8	0.7	0.9	41.9	61.6	58.5
0.8	0.7	0.9	39.7	58.7	50.2
0.8	0.8	0.9	36.1	55.0	41.9

**CANDELA DISTRIBUTION:**

247.5°	
90°	0.8
91°	0.8
92°	0.7
93°	0.7
94°	0.8
95°	0.8
96°	0.9
97°	1.0
98°	1.0
99°	1.0
100°	1.1
101°	1.1
102°	1.1
103°	1.2
104°	1.2
105°	1.3
106°	1.3
107°	1.3
108°	1.3
109°	1.4
110°	1.4
111°	1.4
112°	1.5
113°	1.5
114°	1.6
115°	1.6
116°	1.7
117°	1.8
118°	1.8
119°	1.9
120°	2.0
121°	2.0
122°	2.1
123°	2.1
124°	2.1
125°	2.1
126°	2.1
127°	2.1
128°	2.1
129°	2.1
130°	2.1
131°	2.1
132°	2.0
133°	2.0
134°	2.0

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REPORT NUMBER: PSZ2F1611

CATALOG NUMBER:

**TION (continued):**

270°	292.5°	315°	337.5°	360°
0.8	0.9	31.7	51.1	37.8
0.8	0.9	27.2	48.2	35.5
0.8	0.8	23.5	45.7	33.7
0.8	0.8	21.3	44.5	29.4
0.9	0.8	20.9	43.2	26.9
0.9	0.9	21.9	38.7	25.5
1.0	1.0	23.5	33.7	24.6
1.0	1.0	23.8	31.2	25.5
1.0	1.1	21.5	29.1	26.6
1.1	1.1	18.4	28.3	26.5
1.1	1.1	15.4	28.9	25.2
1.2	1.2	13.8	29.8	21.8
1.2	1.2	13.6	30.5	19.8
1.2	1.3	14.0	29.3	19.8
1.2	1.3	15.5	30.2	21.8
1.3	1.3	16.2	32.4	24.5
1.3	1.4	16.5	35.5	28.0
1.3	1.4	16.0	37.3	31.7
1.3	1.4	15.1	36.5	34.6
1.4	1.4	13.9	35.2	35.2
1.4	1.5	13.1	34.0	34.8
1.4	1.5	12.4	32.8	34.5
1.4	1.6	11.7	31.7	34.0
1.5	1.6	11.0	30.6	33.3
1.5	1.6	10.5	29.2	32.7
1.6	1.7	10.0	28.0	32.1
1.7	1.8	9.2	26.8	31.0
1.7	1.8	8.6	25.7	30.1
1.8	1.9	7.9	24.7	29.4
1.9	1.9	7.4	23.8	28.8
2.0	2.0	7.0	23.0	28.4
2.1	2.0	6.6	22.5	28.4
2.1	2.1	6.3	22.7	28.2
2.2	2.1	6.0	22.5	28.1
2.3	2.1	5.7	21.9	28.1
2.3	2.1	5.5	21.3	28.1
2.3	2.1	5.3	21.1	27.9
2.3	2.1	5.0	21.5	27.7
2.3	2.1	4.8	22.3	27.6
2.3	2.1	4.7	23.2	25.4
2.3	2.1	4.6	23.8	20.2
2.3	2.1	4.4	22.9	13.9
2.3	2.0	4.1	20.9	10.6
2.2	1.9	3.8	20.1	12.7
2.2	1.9	3.5	20.4	16.9

**CANDELA DISTRIBUTION (con**

	247.5°	270°
135°	2.0	2.1
136°	2.1	2.0
137°	2.1	2.1
138°	2.2	2.1
139°	2.2	2.2
140°	2.2	2.3
141°	2.3	2.3
142°	2.3	2.3
143°	2.3	2.4
144°	2.3	2.4
145°	2.3	2.4
146°	2.3	2.5
147°	2.3	2.5
148°	2.3	2.5
149°	2.3	2.5
150°	2.4	2.5
151°	2.4	2.6
152°	2.4	2.6
153°	2.4	2.7
154°	2.4	2.7
155°	2.4	2.7
156°	2.4	2.7
157°	2.4	2.7
158°	2.3	2.7
159°	2.3	2.7
160°	2.3	2.7
161°	2.2	2.6
162°	2.2	2.5
163°	2.1	2.4
164°	2.1	2.4
165°	2.1	2.3
166°	2.0	2.3
167°	2.0	2.2
168°	2.0	2.1
169°	2.0	2.1
170°	2.0	2.1
171°	1.9	2.1
172°	1.9	2.0
173°	1.9	2.0
174°	1.9	2.0
175°	2.0	2.1
176°	2.1	2.3
177°	2.2	2.3
178°	2.3	2.3
179°	2.4	2.4



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CATALOG NUMBER:

**tinued):**

292.5°	315°	337.5°	360°
2.0	3.2	21.9	16.8
2.0	2.9	23.3	15.7
2.1	2.7	23.1	14.4
2.2	2.5	21.4	12.8
2.3	2.3	18.5	11.6
2.3	2.1	15.3	10.8
2.3	2.2	12.1	10.2
2.4	2.2	8.8	9.6
2.4	2.3	5.7	9.0
2.4	2.3	3.8	8.3
2.4	2.3	3.0	7.6
2.4	2.4	2.7	7.0
2.4	2.4	2.6	5.8
2.4	2.4	2.5	4.5
2.4	2.5	2.4	3.3
2.4	2.5	2.4	2.6
2.5	2.5	2.4	2.6
2.5	2.5	2.4	2.6
2.6	2.5	2.5	2.8
2.6	2.5	2.5	2.8
2.7	2.6	2.5	2.8
2.7	2.6	2.6	2.8
2.7	2.6	2.6	2.9
2.7	2.6	2.6	2.9
2.7	2.5	2.5	3.0
2.7	2.5	2.5	3.0
2.6	2.4	2.4	3.0
2.5	2.4	2.3	3.0
2.5	2.3	2.3	2.9
2.4	2.3	2.3	2.9
2.4	2.3	2.3	2.9
2.4	2.2	2.3	2.9
2.3	2.2	2.3	2.9
2.1	2.1	2.2	2.8
2.1	2.1	2.2	2.8
2.1	2.1	2.2	2.8
2.2	2.1	2.1	2.8
2.1	2.0	2.1	2.8
2.1	2.0	2.1	2.8
2.2	2.1	2.1	2.7
2.2	2.2	2.2	2.7
2.3	2.3	2.3	2.6
2.3	2.4	2.4	2.6
2.4	2.4	2.5	2.5
2.4	2.4	2.5	2.5

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°
180°	2.5	2.5	2.5



315°	337.5°	360°
2.5	2.5	2.5

(END OF REPORT)