

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  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: 7705.9 (1 lamp)  
Luminaire Lumens: 7706.3 lumens  
Efficiency: 100.0%  
Efficacy: 103.5 lumens/watt  
Luminous Opening: Point Source (0m x 0m x 0m)  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B2 - U3 - G2

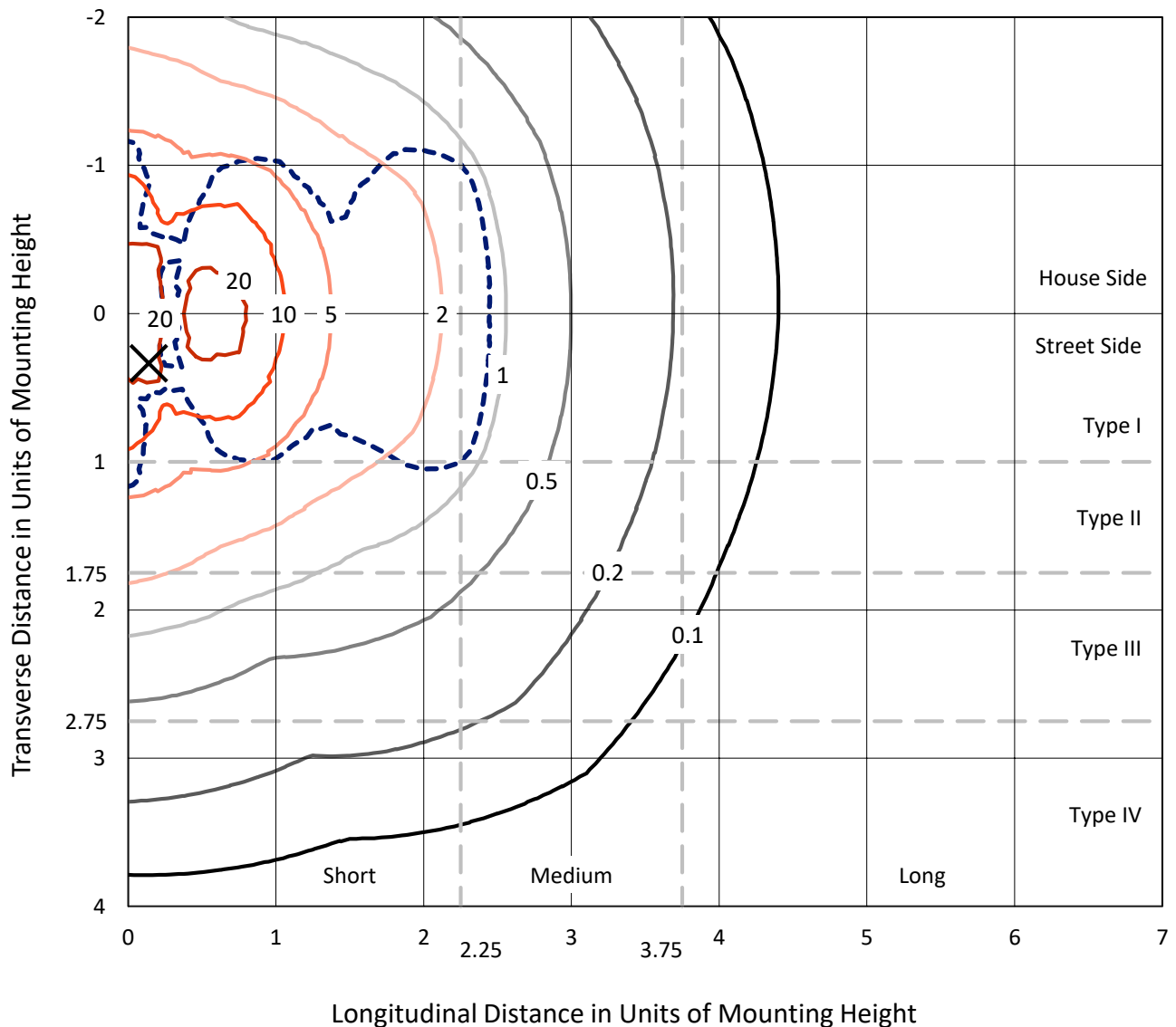
Input Watts (W): 74.47  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

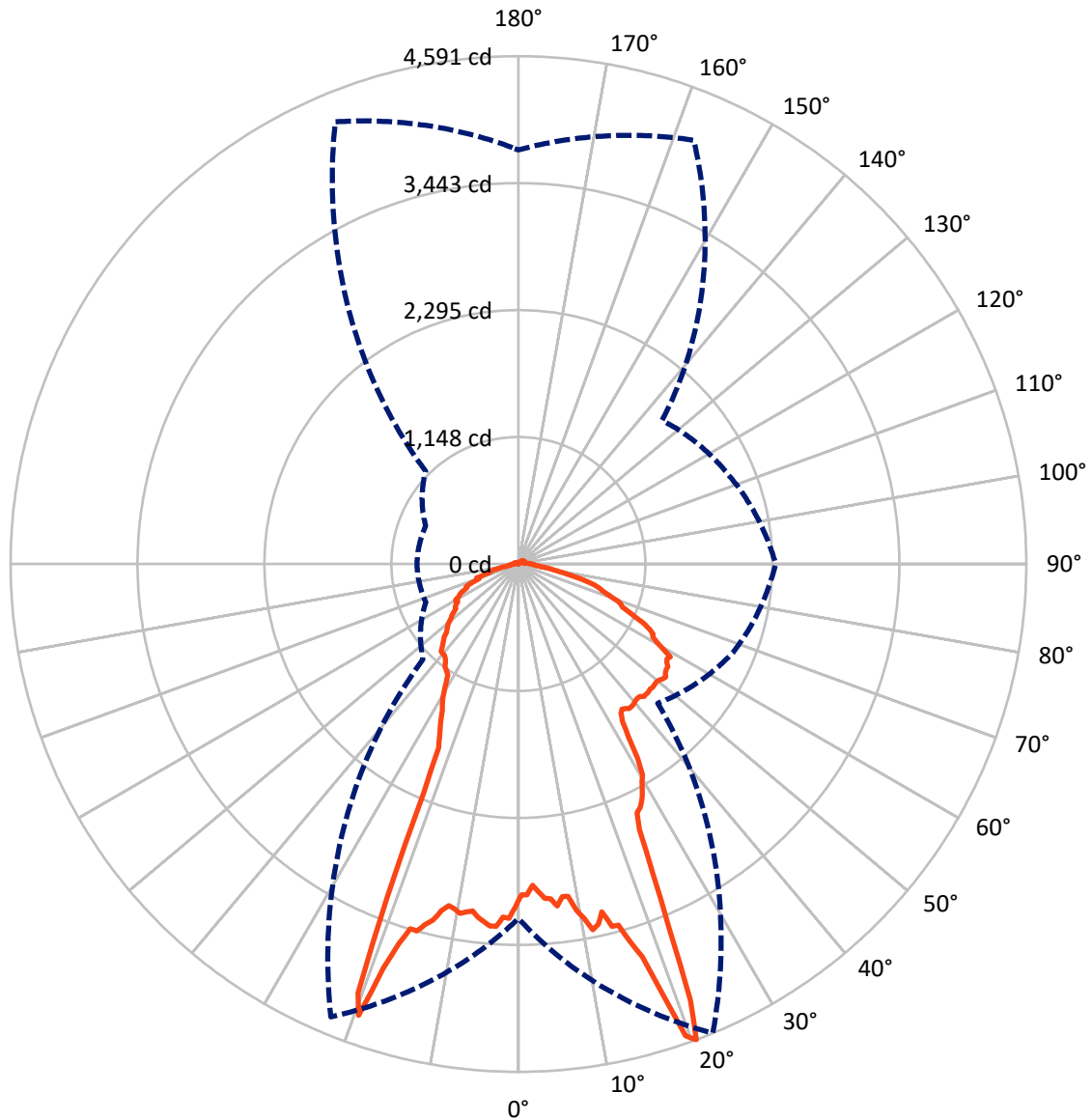
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 34.3 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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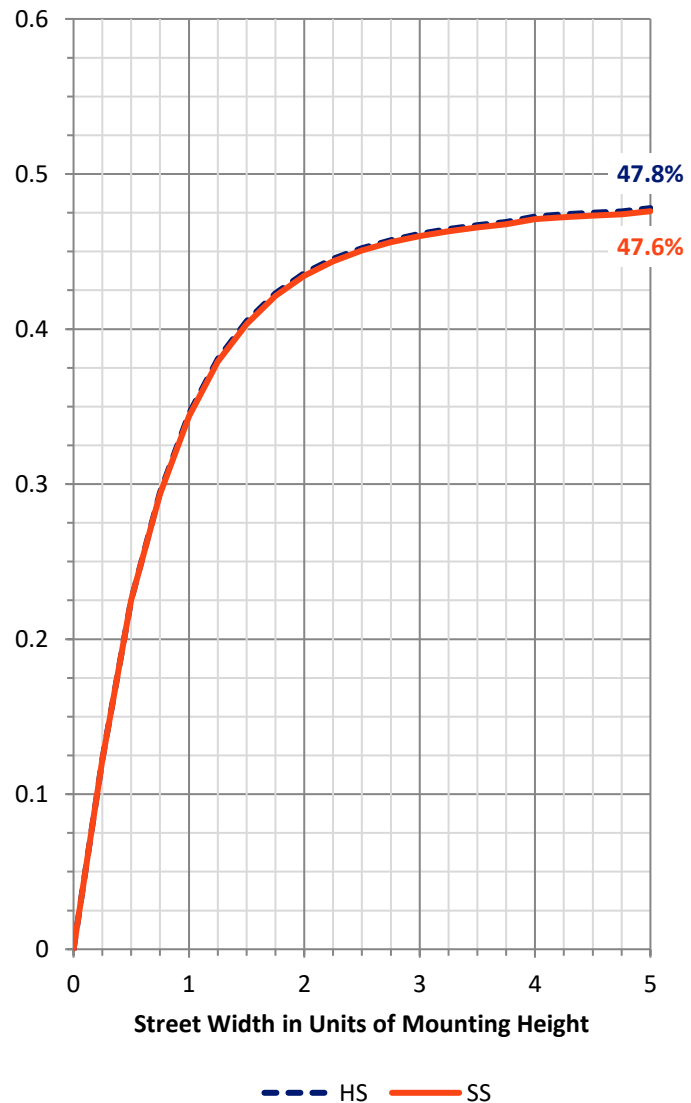
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3737.2	132.4	3869.6
	% Lamp	48.5	1.7	50.2
<b>Street Side</b>	Lumens	3703.7	133.0	3836.6
	% Lamp	48.1	1.7	49.8
<b>Total</b>	Lumens	7440.9	265.4	7706.3
	% Lamp	96.6	3.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	309.3	4.0	4.0
10°-20°	731.1	9.5	9.5
20°-30°	928.6	12.1	12.1
30°-40°	1156.9	15.0	15.0
40°-50°	1292.3	16.8	16.8
50°-60°	1173.2	15.2	15.2
60°-70°	1048.5	13.6	13.6
70°-80°	585.2	7.6	7.6
80°-90°	215.8	2.8	2.8
90°-100°	91.5	1.2	1.2
100°-110°	50.6	0.7	0.7
110°-120°	39.9	0.5	0.5
120°-130°	35.3	0.5	0.5
130°-140°	25.4	0.3	0.3
140°-150°	15.0	0.2	0.2
150°-160°	5.7	0.1	0.1
160°-170°	1.7	0.0	0.0
170°-180°	0.3	0.0	0.0
0°-90°	7440.9	96.6	96.6
0°-180°	7706.3	100.0	100.0



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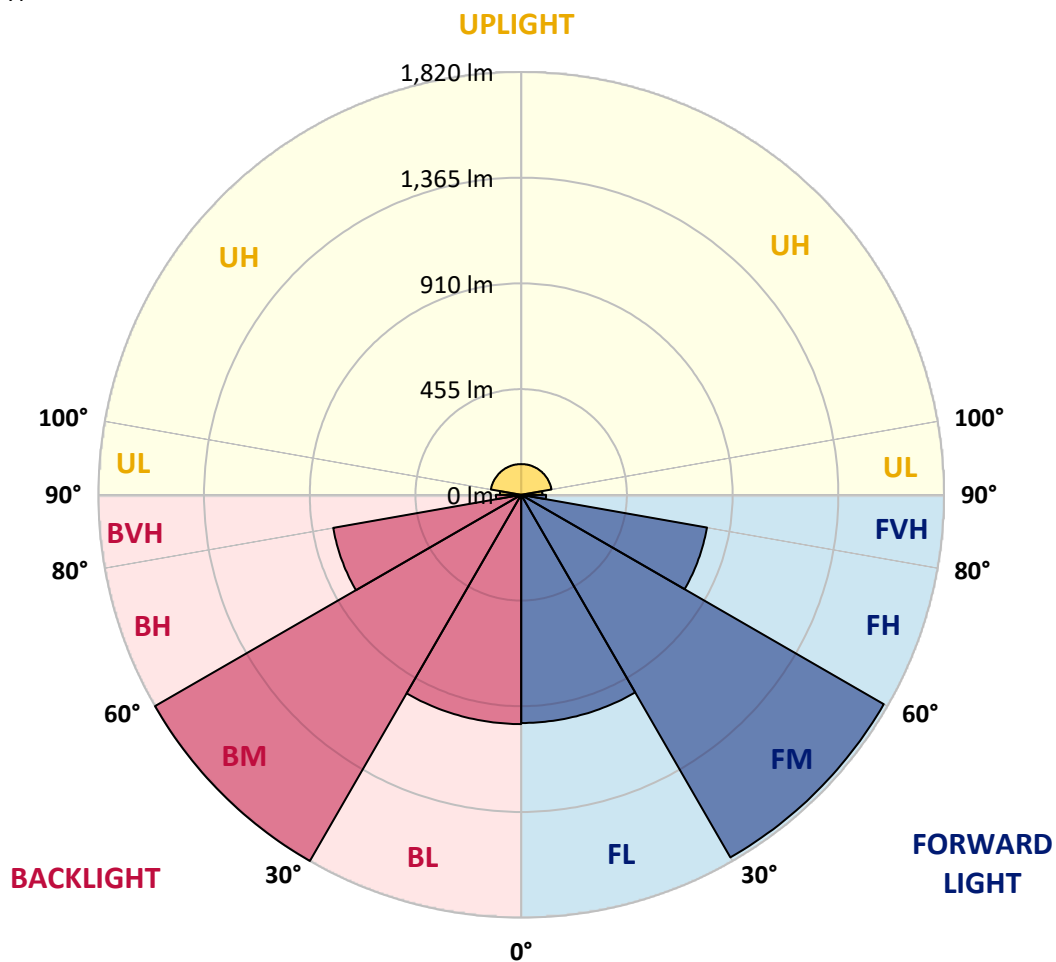
CATALOG NUMBER:

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

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	982.2	12.7			
FM	(30°-60°)	1802.2	23.4			
FH	(60°-80°)	812.3	10.5			G1/1800
FVH	(80°-90°)	107.0	1.4			G2/225
BL	(0°-30°)	986.9	12.8	B2/1000		
BM	(30°-60°)	1820.2	23.6	B2/2500		
BH	(60°-80°)	821.4	10.7	B2/1000		G2/1000
BVH	(80°-90°)	108.8	1.4			G2/225
UL	(90°-100°)	91.5	1.2		U3/500	
UH	(100°-180°)	132.4	1.7		U3/500	
Trapped Light		-0.4	0.0			

**BUG Rating: B2-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°	2990.5	2990.5	2990.5	2990.5	2990.5	2990.5	2990.5	2990.5	2990.5	2990.5	2990.5
1°	2916.7	2990.4	3056.9	3083.7	3091.8	3117.6	3136.5	3110.8	3089.6	3095.8	3125.3
2°	2802.5	2906.6	3009.4	3126.0	3115.8	3164.9	3178.2	3114.9	3134.2	3203.8	3380.3
3°	2858.6	2967.0	2951.5	3165.3	3203.8	3216.1	3095.0	3034.4	3032.2	3194.2	3351.4
4°	2864.3	3029.6	3050.3	3223.1	3309.7	3268.3	3046.7	3074.9	3076.2	3280.3	3193.2
5°	2886.5	3041.4	3205.6	3227.0	3324.2	3260.4	3120.7	3039.6	3070.1	3282.1	3216.5
6°	2847.3	3112.1	3355.8	3327.5	3541.0	3282.4	3185.8	3027.0	3059.5	3249.6	3197.8
7°	2777.3	3032.7	3459.4	3432.6	3501.5	3402.2	3200.5	3006.2	3018.0	3215.3	3180.5
8°	2866.3	3036.8	3619.7	3397.8	3591.8	3387.8	3313.3	2977.6	2992.3	3164.1	3295.3
9°	2889.8	3173.4	3499.0	3725.0	3962.0	3671.7	3453.2	3043.2	3033.9	3180.1	3240.4
10°	3012.4	3257.4	3238.0	3860.6	3698.1	3872.9	3381.4	3089.5	2982.7	3202.3	3224.6
11°	2988.8	3375.2	3306.2	3672.6	3250.2	3694.0	3370.6	3091.6	2934.3	3170.6	3401.3
12°	3006.1	3333.7	3687.2	3179.6	2364.7	3268.5	3668.7	3108.1	2907.2	3151.9	3310.2
13°	3140.0	3233.8	3698.4	2350.9	1890.4	2613.9	3779.4	3081.4	2899.4	3209.4	3014.9
14°	3188.0	3382.0	3414.4	1883.8	1752.8	2063.8	3501.4	3056.6	2936.4	3312.4	2618.7
15°	3246.9	3386.9	3077.5	1751.1	1756.3	1808.3	3120.3	3164.5	3025.9	3366.8	2119.2
16°	3349.3	3564.6	2573.6	1754.4	1858.5	1772.1	2658.7	3320.6	3155.0	3441.6	1726.0
17°	3569.3	3720.4	2111.6	1793.1	1999.2	1835.3	2231.2	3520.4	3392.7	3439.9	1522.2
18°	3881.9	4077.9	1909.5	1862.6	2088.4	1919.3	1994.6	3766.1	3818.1	3597.2	1359.3
19°	3741.4	4523.6	1815.9	1980.7	2180.4	1989.8	1875.2	4053.6	4106.0	3851.6	1273.2
20°	3203.2	4590.7	1779.8	2096.8	2325.3	2068.0	1836.4	4146.0	3742.6	4326.7	1187.0
21°	2594.9	4240.3	1801.1	2223.6	2512.1	2179.2	1843.5	3877.4	2983.7	4141.1	1102.2
22°	2192.1	3553.3	1868.0	2356.1	2813.3	2320.7	1893.1	3404.9	2422.3	3233.1	1079.7
23°	2134.0	3047.7	1938.9	2514.6	3197.2	2494.7	1951.6	2959.5	2214.9	2244.3	1089.3
24°	2231.1	2639.6	2022.4	2820.0	3471.7	2756.8	2015.8	2689.9	2165.9	1810.3	1103.3
25°	2308.1	2490.3	2136.2	3130.8	3596.6	3026.6	2105.8	2571.7	2276.0	1715.5	1090.3
26°	2348.8	2462.4	2209.5	3344.8	3597.5	3252.4	2201.7	2530.6	2402.8	1644.3	1027.1
27°	2386.3	2415.2	2249.9	3430.8	3651.8	3433.7	2263.0	2500.9	2528.6	1563.1	917.1
28°	2363.2	2348.3	2272.6	3472.8	3618.8	3525.3	2278.9	2413.8	2510.7	1491.1	824.3
29°	2287.3	2265.6	2292.2	3546.6	3679.4	3540.6	2310.2	2274.7	2513.2	1438.0	743.0
30°	2281.1	2213.6	2340.6	3572.3	3740.5	3520.7	2362.1	2054.3	2476.5	1382.4	664.1
31°	2317.9	2060.2	2412.9	3591.5	3753.7	3552.2	2408.9	1846.8	2502.6	1314.6	601.0
32°	2391.6	1850.8	2505.5	3602.6	3639.4	3594.2	2487.9	1709.6	2482.1	1246.7	550.0
33°	2509.7	1706.3	2583.4	3605.5	3573.6	3613.8	2621.3	1642.4	2481.9	1188.2	514.4
34°	2584.4	1636.7	2671.5	3604.0	3674.5	3605.5	2724.8	1616.0	2426.6	1172.3	478.3
35°	2577.9	1610.9	2729.4	3654.2	3896.4	3599.4	2789.8	1604.2	2409.4	1156.4	447.3
36°	2596.1	1624.2	2765.7	3738.3	4213.9	3666.4	2847.1	1616.9	2462.3	1140.2	418.9
37°	2610.7	1645.3	2780.8	3865.4	4478.7	3745.6	2915.4	1608.6	2549.0	1109.8	391.2
38°	2643.4	1643.9	2776.7	4115.6	4307.0	3961.4	2974.2	1577.7	2553.5	1084.4	368.1
39°	2676.4	1639.6	2755.5	4369.8	3825.0	4325.2	3001.4	1566.1	2540.2	1069.1	345.8
40°	2624.5	1627.5	2709.1	4334.4	3532.2	4524.5	2984.2	1596.9	2594.8	1058.2	326.2
41°	2544.0	1620.5	2693.6	4024.5	3551.3	4321.5	2974.8	1610.6	2704.4	1059.9	305.9
42°	2462.4	1622.5	2735.7	3809.0	3581.4	3998.2	2959.2	1630.1	2608.1	1053.8	287.5
43°	2441.3	1649.8	2774.8	3666.8	3372.0	3755.1	2948.5	1667.5	2493.6	1021.2	269.5
44°	2447.5	1649.4	2813.6	3492.7	3152.6	3609.6	2927.5	1678.8	2432.2	989.3	254.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	2393.2	1649.6	2856.8	3273.4	3057.3	3390.7	2922.0	1644.4	2376.5	966.4	239.0
46°	2323.8	1641.1	2885.7	3063.2	3065.4	3167.8	2977.8	1647.2	2372.6	939.5	223.6
47°	2368.8	1647.6	2877.7	2921.9	3033.3	2979.2	3057.1	1645.5	2383.0	895.7	213.0
48°	2361.1	1643.7	2835.5	2852.3	3013.6	2886.2	3036.0	1657.3	2356.4	876.6	201.4
49°	2273.2	1640.6	2749.0	2809.6	3097.5	2844.0	2933.7	1682.0	2271.4	855.7	189.2
50°	2167.2	1649.7	2633.0	2793.2	3049.0	2849.8	2779.7	1694.2	2139.9	834.4	175.0
51°	2053.4	1666.7	2510.2	2758.8	2699.1	2812.6	2641.7	1699.9	1999.0	799.8	165.4
52°	1917.0	1678.3	2420.1	2673.9	2522.5	2748.2	2526.2	1699.0	1936.2	775.6	156.5
53°	1794.5	1652.9	2331.4	2556.8	2461.4	2629.4	2441.7	1680.4	1840.9	753.5	148.9
54°	1764.4	1641.0	2261.0	2421.2	2447.4	2447.2	2343.4	1705.7	1762.1	722.7	142.1
55°	1871.3	1638.6	2165.4	2350.9	2507.1	2322.3	2249.4	1678.2	1762.8	693.6	135.8
56°	2037.5	1606.2	2059.6	2315.6	2482.5	2255.3	2161.7	1600.4	1881.0	692.9	129.6
57°	2120.5	1593.3	1973.7	2316.5	2476.2	2205.2	2077.3	1550.7	2000.8	680.2	123.4
58°	1907.0	1609.8	1914.8	2340.1	2588.9	2224.6	2004.1	1600.8	1922.4	660.6	118.2
59°	1875.8	1522.1	1860.0	2389.2	2557.3	2260.8	1982.1	1533.0	1796.3	641.2	112.6
60°	1858.5	1439.3	1766.7	2398.5	2619.8	2312.8	1934.7	1425.6	1754.0	659.4	106.3
61°	1857.5	1380.7	1679.5	2412.9	2716.0	2369.0	1811.0	1398.2	1690.7	648.1	101.8
62°	1703.6	1372.8	1596.1	2452.1	2632.1	2445.9	1721.9	1343.8	1709.9	611.7	97.7
63°	1588.8	1328.9	1542.5	2461.3	2642.2	2498.9	1686.9	1330.7	1692.1	599.9	94.2
64°	1476.7	1264.3	1515.3	2479.2	2689.8	2568.9	1648.2	1292.5	1491.9	574.0	89.7
65°	1380.0	1166.6	1495.1	2496.0	2572.0	2583.0	1634.3	1183.5	1405.3	533.0	84.6
66°	1320.8	1087.4	1482.8	2452.1	2479.4	2497.2	1617.4	1078.8	1288.4	510.6	79.5
67°	1296.5	1016.2	1482.7	2378.2	2374.5	2393.1	1592.1	1018.5	1214.6	514.7	75.3
68°	1232.2	997.6	1486.1	2267.5	2163.0	2264.7	1556.8	969.8	1245.4	485.6	71.0
69°	1113.1	963.3	1499.5	2084.9	1988.0	2072.4	1526.5	957.5	1136.8	427.0	65.8
70°	999.5	890.7	1479.6	1923.8	1878.7	1891.5	1467.3	893.6	1028.2	379.5	61.5
71°	922.8	840.2	1425.1	1728.2	1658.0	1714.8	1390.1	784.8	920.1	394.2	57.4
72°	885.3	793.8	1380.3	1541.3	1505.4	1540.6	1338.9	727.9	841.9	397.2	53.2
73°	824.3	762.8	1307.2	1368.5	1380.3	1400.7	1285.6	701.6	875.4	331.2	49.4
74°	736.0	713.3	1218.7	1221.2	1210.9	1279.0	1194.2	677.9	853.5	278.4	46.2
75°	617.3	648.8	1127.1	1079.8	1092.1	1147.8	1104.1	633.2	730.3	261.6	44.4
76°	534.4	577.1	1025.6	980.7	1013.1	1044.3	995.6	582.2	561.6	252.3	43.2
77°	452.2	509.4	925.4	891.6	933.3	958.6	893.6	528.3	452.6	227.4	42.0
78°	370.0	441.7	824.2	802.8	861.6	873.8	801.8	474.3	371.5	185.4	40.7
79°	311.9	374.0	726.8	733.0	795.8	799.4	715.7	420.3	280.7	143.4	39.3
80°	253.6	327.6	646.0	674.3	742.5	726.1	654.6	352.6	232.5	101.9	38.5
81°	197.4	283.4	580.4	626.4	680.7	666.6	593.9	285.5	188.4	91.5	38.0
82°	153.3	239.3	530.4	581.0	626.7	610.0	548.5	232.6	160.0	82.7	37.6
83°	123.1	204.7	480.9	550.4	582.0	563.6	503.4	198.5	131.5	76.3	37.8
84°	99.3	179.7	431.3	520.0	542.6	528.4	458.4	177.2	103.1	71.8	38.7
85°	81.4	160.9	396.9	489.5	503.3	493.4	424.2	159.7	84.4	67.3	39.7
86°	66.4	147.9	368.8	457.5	464.0	455.5	395.6	148.8	75.7	63.7	39.9
87°	56.9	136.0	346.1	427.7	429.1	419.8	369.0	136.8	66.6	60.9	39.0
88°	48.9	126.8	326.4	395.8	396.3	385.8	345.1	128.4	59.4	57.5	37.0
89°	40.8	119.0	308.1	368.7	359.3	357.2	324.5	117.2	43.5	54.0	34.5





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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	36.8	112.6	291.6	343.0	342.9	330.2	304.3	110.5	37.3	49.2	31.6
91°	34.6	107.1	274.5	319.9	318.7	305.3	278.5	104.1	35.2	45.8	28.1
92°	32.8	100.7	254.2	291.8	309.6	281.3	255.9	94.9	33.3	42.3	24.0
93°	28.7	86.8	233.6	268.7	294.4	260.4	200.8	80.4	29.0	39.1	21.0
94°	26.2	72.8	162.9	223.2	278.5	221.8	153.2	68.4	26.4	37.2	20.2
95°	24.8	61.2	131.8	205.1	253.4	206.6	127.9	57.8	24.5	33.3	20.4
96°	24.0	58.4	116.2	189.8	235.0	191.0	109.4	56.0	23.2	28.9	21.0
97°	24.9	56.0	103.9	177.4	214.9	177.2	98.8	54.1	24.0	28.0	20.2
98°	25.8	53.5	94.8	163.3	200.0	165.4	91.9	52.3	24.7	27.5	17.9
99°	25.8	50.7	95.6	152.2	191.3	154.1	90.4	49.0	25.2	27.8	15.9
100°	24.5	47.5	88.4	142.6	180.8	142.4	85.8	45.7	24.0	28.0	14.1
101°	21.2	46.2	82.1	136.6	175.7	134.6	82.1	46.0	20.9	29.5	15.6
102°	19.3	47.5	79.0	131.8	167.9	130.0	83.3	48.4	18.6	29.0	16.2
103°	19.3	49.2	76.7	125.3	170.7	123.1	81.2	51.4	18.4	28.8	17.2
104°	21.2	52.1	69.8	117.4	168.6	113.8	76.3	54.8	20.7	30.8	17.6
105°	23.9	55.8	62.1	111.1	153.1	106.7	66.9	58.4	23.7	33.2	18.4
106°	27.2	59.1	57.5	102.8	146.1	98.5	62.4	61.7	27.3	36.2	18.6
107°	30.8	60.8	57.9	93.7	138.1	88.7	61.1	63.1	30.6	36.6	17.3
108°	33.7	60.1	58.3	82.2	124.6	78.4	63.5	62.4	33.7	35.3	15.7
109°	34.3	59.4	62.6	73.8	111.8	71.2	68.8	61.2	34.7	34.0	15.2
110°	33.9	58.9	66.9	67.3	100.3	66.0	71.7	60.1	34.5	32.8	14.5
111°	33.6	57.7	69.7	64.4	92.6	64.0	72.6	59.0	34.0	31.7	13.6
112°	33.0	56.8	71.7	63.7	87.8	63.9	73.5	58.1	33.5	30.4	13.5
113°	32.4	55.8	72.3	66.8	83.6	66.8	72.9	57.3	32.8	29.4	13.0
114°	31.9	54.9	71.3	72.5	84.6	73.5	71.3	56.5	32.2	28.0	12.5
115°	31.3	54.1	70.8	77.8	87.8	78.6	70.3	55.8	31.2	26.8	11.8
116°	30.2	53.3	70.2	81.5	96.8	82.2	69.7	54.8	30.0	25.5	11.0
117°	29.3	52.8	69.6	85.0	100.3	85.9	69.3	54.2	28.8	24.2	10.2
118°	28.6	52.5	69.1	88.8	104.7	88.6	68.9	53.6	27.7	23.1	9.4
119°	28.0	52.3	68.4	91.0	109.9	91.3	68.2	53.4	27.0	21.9	8.4
120°	27.7	52.2	67.6	91.4	112.8	91.0	67.8	53.0	26.6	21.2	7.8
121°	27.6	51.8	67.2	91.4	116.7	90.6	67.3	52.4	26.3	20.8	7.0
122°	27.4	51.3	66.4	90.8	116.0	90.2	66.8	51.4	26.1	20.6	6.4
123°	27.4	50.5	65.9	90.0	116.1	89.6	66.3	50.5	26.1	20.2	5.9
124°	27.4	49.6	65.3	89.2	116.6	88.4	65.8	49.4	26.2	19.8	5.5
125°	27.3	48.3	64.7	88.2	118.0	87.1	65.1	48.0	26.6	19.4	5.2
126°	27.1	47.3	64.3	87.2	116.4	86.3	64.8	46.4	27.0	19.2	4.8
127°	26.9	46.1	64.1	86.4	113.7	85.5	64.7	45.0	27.0	19.2	4.6
128°	26.9	44.9	63.5	86.6	110.2	86.0	64.6	43.6	27.1	19.7	4.4
129°	24.7	43.1	62.9	87.0	108.0	86.2	64.2	42.4	26.6	20.8	4.2
130°	19.7	41.1	62.1	87.5	110.2	86.7	63.0	40.9	21.7	21.9	4.0
131°	13.5	37.6	61.4	87.0	112.4	86.7	61.5	39.0	14.9	20.7	3.8
132°	10.3	34.3	60.4	86.1	114.6	86.2	60.5	36.6	10.4	18.7	3.6
133°	12.3	31.8	59.8	83.9	116.4	84.0	59.6	32.8	9.3	18.7	3.3
134°	16.4	28.0	59.9	81.9	115.7	81.6	59.4	30.5	13.2	19.6	3.0



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°	16.4	22.1	60.8	79.4	110.9	79.3	60.4	28.7	15.6	19.7	2.8
136°	15.3	18.2	63.1	77.3	106.9	77.2	63.5	24.3	15.0	21.2	2.6
137°	14.0	15.4	66.3	75.2	104.0	75.1	67.9	19.9	13.6	21.6	2.4
138°	12.5	11.8	68.4	73.3	101.3	73.1	70.9	16.6	12.4	18.9	2.2
139°	11.3	9.4	67.0	72.0	97.0	71.6	71.2	13.0	11.2	14.0	2.0
140°	10.5	9.2	62.5	71.7	91.1	71.5	68.2	9.4	10.0	9.0	2.0
141°	10.0	10.2	56.8	72.7	85.8	72.5	62.6	7.3	9.1	4.2	2.0
142°	9.4	12.6	51.9	74.1	81.5	74.5	57.8	7.7	8.5	3.0	2.0
143°	8.8	15.4	48.2	75.2	78.8	75.7	52.9	9.0	7.9	3.9	2.0
144°	8.1	17.8	45.2	75.7	79.9	75.8	48.1	12.2	7.3	5.0	2.0
145°	7.4	19.7	43.0	75.7	86.8	75.7	45.8	15.0	6.5	4.3	2.0
146°	6.8	18.9	40.9	73.4	97.4	75.0	43.5	17.4	5.6	3.5	2.0
147°	5.6	15.7	38.9	68.0	101.8	70.9	41.2	18.7	4.7	2.9	2.0
148°	4.4	14.0	36.6	61.8	90.9	64.8	38.7	18.6	4.2	2.7	2.0
149°	3.2	13.2	34.7	57.4	75.1	58.0	36.8	15.9	3.4	2.4	2.0
150°	2.5	12.8	33.2	53.0	63.2	54.2	35.1	14.6	3.0	1.9	2.0
151°	2.5	13.0	28.4	48.6	57.1	50.4	33.6	14.2	2.6	1.6	2.0
152°	2.6	12.2	21.5	46.1	52.9	46.7	27.0	14.0	1.7	1.6	2.0
153°	2.7	11.2	15.2	44.1	48.7	44.6	20.0	13.2	1.6	1.6	2.0
154°	2.7	10.7	9.8	42.1	46.1	42.8	13.5	12.6	1.6	1.6	2.0
155°	2.7	10.2	5.5	40.1	44.1	40.9	8.4	12.0	1.6	1.6	2.0
156°	2.8	9.9	5.4	38.1	42.1	38.8	7.7	11.3	1.7	1.6	2.0
157°	2.8	9.5	5.3	33.5	40.0	36.0	7.2	10.6	1.7	1.7	1.9
158°	2.8	9.2	9.1	24.4	37.8	26.9	6.6	10.0	1.7	1.7	1.9
159°	2.9	8.9	13.0	16.2	30.8	18.3	9.7	9.3	1.7	1.7	1.9
160°	2.9	8.4	16.8	9.1	21.2	10.8	12.9	8.7	1.7	1.7	1.8
161°	2.9	7.8	17.2	7.2	12.8	11.8	16.1	8.2	1.7	1.7	1.8
162°	2.9	7.3	16.6	5.4	6.0	13.1	15.4	7.6	1.7	1.7	1.8
163°	2.9	6.8	15.8	10.4	8.8	14.3	14.3	7.0	1.7	1.7	1.8
164°	2.9	6.1	14.7	15.4	11.7	15.6	13.4	6.4	1.7	1.7	1.8
165°	2.8	5.6	13.5	20.4	14.5	16.8	12.4	5.9	1.7	1.7	1.8
166°	2.8	5.0	12.4	18.9	17.4	15.7	11.3	5.3	1.8	1.7	1.8
167°	2.8	4.6	11.0	16.9	16.2	14.1	10.2	4.9	1.8	1.8	1.8
168°	2.8	4.1	9.8	14.8	14.4	12.6	9.1	4.5	1.8	1.8	1.8
169°	2.7	3.7	8.7	12.9	12.6	11.1	8.0	4.1	1.8	1.8	1.8
170°	2.7	3.3	7.6	11.0	11.0	9.7	7.1	3.8	1.9	1.8	1.8
171°	2.7	2.9	6.5	9.2	9.4	8.4	6.2	3.4	1.9	1.9	1.8
172°	2.7	2.8	5.5	7.7	7.9	7.2	5.4	3.1	1.9	1.9	1.8
173°	2.7	2.8	4.6	6.3	6.7	6.1	4.6	2.9	1.9	1.9	1.8
174°	2.7	2.7	3.8	5.2	5.6	5.1	3.8	2.8	1.9	1.9	1.9
175°	2.6	2.7	2.9	4.0	4.6	4.1	3.1	2.8	2.0	1.9	1.9
176°	2.6	2.6	2.7	3.1	3.5	3.1	2.8	2.8	2.0	2.0	2.0
177°	2.5	2.6	2.6	2.7	2.8	2.7	2.7	2.7	2.1	2.1	2.1
178°	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.2	2.2	2.2
179°	2.4	2.5	2.6	2.6	2.5	2.6	2.5	2.4	2.3	2.3	2.3



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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4

REPORT NUMBER: PSZ2F161101003-10  
 CATALOG NUMBER:

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	247.5°	270°	292.5°	315°	337.5°	360°	
0°	2990.5	2990.5	2990.5	2990.5	2990.5	2990.5	45°
1°	3157.7	3153.3	3135.6	3079.9	2995.4	2916.7	46°
2°	3401.4	3334.9	3316.1	3231.2	3001.0	2802.5	47°
3°	3376.6	3332.5	3321.3	3145.2	3053.9	2858.6	48°
4°	3334.8	3340.4	3348.9	3183.2	3188.4	2864.3	49°
5°	3142.0	3195.2	3146.9	3336.4	3173.6	2886.5	50°
6°	3206.1	3282.6	3163.2	3257.4	3233.8	2847.3	51°
7°	3359.5	3298.6	3214.1	3224.2	3191.3	2777.3	52°
8°	3635.0	3455.3	3364.1	3400.4	3136.8	2866.3	53°
9°	3761.0	3208.3	3414.8	3353.4	3233.8	2889.8	54°
10°	3286.9	2639.7	3008.1	3360.7	3245.1	3012.4	55°
11°	2657.8	1965.6	2380.2	3459.3	3288.9	2988.8	56°
12°	1948.3	1615.8	1813.6	3244.1	3236.0	3006.1	57°
13°	1596.0	1445.0	1587.5	2858.0	3214.6	3140.0	58°
14°	1409.2	1309.6	1464.5	2411.4	3307.2	3188.0	59°
15°	1297.7	1230.3	1330.6	1954.2	3380.1	3246.9	60°
16°	1186.2	1151.0	1229.2	1670.6	3341.9	3349.3	61°
17°	1075.1	1072.1	1127.7	1499.0	3508.5	3569.3	62°
18°	1002.1	1026.4	1027.3	1365.2	3760.2	3881.9	63°
19°	951.0	966.7	960.2	1292.4	4199.4	3741.4	64°
20°	906.8	917.1	905.9	1219.7	4430.8	3203.2	65°
21°	863.0	872.6	854.2	1147.9	3812.2	2594.9	66°
22°	837.6	826.3	814.6	1132.0	2863.0	2192.1	67°
23°	814.8	775.0	793.2	1132.6	2013.1	2134.0	68°
24°	791.2	714.1	777.3	1125.2	1641.2	2231.1	69°
25°	756.8	664.2	735.3	1121.4	1510.9	2308.1	70°
26°	706.2	597.2	677.0	1081.2	1439.2	2348.8	71°
27°	643.6	539.8	617.4	1006.8	1381.7	2386.3	72°
28°	575.5	478.7	559.7	891.7	1316.0	2363.2	73°
29°	509.6	433.9	503.0	779.4	1259.9	2287.3	74°
30°	457.6	394.3	453.5	680.3	1222.9	2281.1	75°
31°	416.2	369.8	415.2	597.1	1170.3	2317.9	76°
32°	387.4	361.3	384.4	531.4	1117.8	2391.6	77°
33°	362.4	340.6	363.4	487.4	1076.6	2509.7	78°
34°	345.6	325.8	350.6	448.3	1062.1	2584.4	79°
35°	330.5	289.9	337.3	415.8	1073.6	2577.9	80°
36°	308.3	269.2	319.8	392.2	1072.3	2596.1	81°
37°	287.7	271.2	299.4	373.0	1074.3	2610.7	82°
38°	268.2	256.4	278.5	357.3	1062.2	2643.4	83°
39°	254.4	243.6	264.3	340.8	1055.1	2676.4	84°
40°	242.0	219.4	250.0	326.7	1049.6	2624.5	85°
41°	222.2	194.4	228.2	311.2	1042.1	2544.0	86°
42°	201.6	172.0	206.8	292.7	1029.9	2462.4	87°
43°	178.5	153.6	185.1	273.3	1013.6	2441.3	88°
44°	161.3	141.4	168.8	256.0	997.4	2447.5	89°

NUMBER: PSZ2F161101003-10  
 NUMBER:

REPORT NUMBER: F  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

247.5°	270°	292.5°	315°	337.5°	360°
145.7	129.2	150.2	237.8	976.8	2393.2
134.1	117.1	137.2	223.5	953.7	2323.8
122.5	111.6	124.3	213.2	926.5	2368.8
111.1	108.5	111.4	203.1	900.4	2361.1
103.4	105.5	102.9	192.7	877.8	2273.2
96.6	105.8	94.1	180.1	850.7	2167.2
91.4	102.2	88.0	170.8	815.3	2053.4
87.9	98.8	84.7	163.2	781.8	1917.0
85.3	96.9	82.2	154.6	749.7	1794.5
83.1	93.2	80.0	146.8	718.1	1764.4
80.9	91.0	78.3	139.2	694.2	1871.3
78.5	87.2	75.4	133.0	685.2	2037.5
75.3	82.3	71.7	126.9	713.7	2120.5
70.3	78.5	67.3	120.8	706.4	1907.0
64.9	73.2	63.0	115.2	697.9	1875.8
59.6	66.2	58.9	108.6	680.9	1858.5
54.0	60.4	53.8	104.1	648.2	1857.5
46.8	52.0	47.1	99.9	627.5	1703.6
41.2	42.2	42.1	96.1	597.3	1588.8
35.1	35.0	36.0	91.6	562.8	1476.7
28.0	30.6	28.3	87.4	548.5	1380.0
23.2	23.1	23.3	83.5	524.8	1320.8
17.2	15.6	17.2	80.0	479.8	1296.5
11.2	8.2	11.0	76.2	432.3	1232.2
5.2	0.9	4.9	72.4	406.1	1113.1
1.0	0.3	0.9	68.4	399.2	999.5
0.4	0.3	0.5	63.9	384.1	922.8
0.5	0.3	0.5	59.2	339.1	885.3
0.5	0.4	0.5	55.5	298.0	824.3
0.5	0.4	0.5	52.5	266.6	736.0
0.5	0.4	0.5	51.1	254.0	617.3
0.5	0.4	0.6	49.4	247.3	534.4
0.5	0.4	0.6	47.5	223.2	452.2
0.5	0.4	0.6	45.2	188.0	370.0
0.6	0.5	0.6	43.6	159.2	311.9
0.6	0.5	0.6	42.8	130.4	253.6
0.6	0.5	0.7	42.3	101.6	197.4
0.6	0.5	0.7	42.2	89.3	153.3
0.6	0.6	0.7	42.4	79.4	123.1
0.7	0.6	0.8	42.6	72.8	99.3
0.7	0.6	0.8	42.4	68.3	81.4
0.7	0.6	0.8	41.9	63.3	66.4
0.7	0.7	0.8	40.7	59.9	56.9
0.8	0.7	0.8	38.6	57.1	48.9
0.8	0.8	0.9	35.1	53.5	40.8

**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°	0.9
98°	1.0
99°	1.0
100°	1.0
101°	1.1
102°	1.1
103°	1.2
104°	1.2
105°	1.2
106°	1.2
107°	1.3
108°	1.3
109°	1.3
110°	1.4
111°	1.4
112°	1.4
113°	1.5
114°	1.5
115°	1.6
116°	1.6
117°	1.7
118°	1.8
119°	1.8
120°	1.9
121°	1.9
122°	2.0
123°	2.0
124°	2.0
125°	2.0
126°	2.0
127°	2.0
128°	2.0
129°	2.0
130°	2.0
131°	2.0
132°	2.0
133°	1.9
134°	1.9

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REPORT NUMBER: PSZ2F1611

CATALOG NUMBER:

**TION (continued):**

270°	292.5°	315°	337.5°	360°
0.8	0.9	30.8	49.8	36.8
0.8	0.9	26.4	46.9	34.6
0.8	0.8	22.9	44.5	32.8
0.8	0.7	20.8	43.3	28.7
0.8	0.8	20.4	42.1	26.2
0.9	0.8	21.4	37.6	24.8
0.9	0.9	22.9	32.8	24.0
1.0	1.0	23.2	30.4	24.9
1.0	1.0	20.9	28.3	25.8
1.1	1.1	17.9	27.5	25.8
1.1	1.1	15.0	28.1	24.5
1.1	1.2	13.4	29.0	21.2
1.2	1.2	13.2	29.7	19.3
1.2	1.2	13.6	28.5	19.3
1.2	1.2	15.1	29.4	21.2
1.2	1.3	15.7	31.5	23.9
1.3	1.3	16.0	34.6	27.2
1.3	1.4	15.6	36.3	30.8
1.3	1.4	14.7	35.5	33.7
1.3	1.4	13.5	34.3	34.3
1.3	1.4	12.8	33.1	33.9
1.4	1.5	12.1	32.0	33.6
1.4	1.5	11.4	30.8	33.0
1.4	1.6	10.7	29.8	32.4
1.5	1.6	10.2	28.4	31.9
1.6	1.6	9.7	27.3	31.3
1.6	1.7	9.0	26.1	30.2
1.7	1.8	8.4	25.0	29.3
1.8	1.8	7.7	24.0	28.6
1.9	1.9	7.2	23.2	28.0
2.0	1.9	6.8	22.4	27.7
2.0	2.0	6.4	21.9	27.6
2.1	2.0	6.1	22.1	27.4
2.1	2.0	5.8	21.9	27.4
2.2	2.1	5.6	21.3	27.4
2.2	2.1	5.3	20.7	27.3
2.2	2.1	5.1	20.5	27.1
2.3	2.1	4.9	20.9	26.9
2.3	2.0	4.7	21.7	26.9
2.3	2.0	4.6	22.6	24.7
2.2	2.0	4.4	23.2	19.7
2.2	2.0	4.3	22.3	13.5
2.2	2.0	4.0	20.4	10.3
2.2	1.9	3.7	19.6	12.3
2.1	1.9	3.4	19.9	16.4

**CANDELA DISTRIBUTION (con**

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



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CATALOG NUMBER:

**tinued):**

292.5°	315°	337.5°	360°
1.9	3.2	21.3	16.4
2.0	2.8	22.7	15.3
2.1	2.6	22.5	14.0
2.1	2.4	20.8	12.5
2.2	2.2	18.0	11.3
2.2	2.1	14.8	10.5
2.3	2.1	11.7	10.0
2.3	2.2	8.6	9.4
2.3	2.2	5.5	8.8
2.3	2.2	3.7	8.1
2.3	2.3	2.9	7.4
2.3	2.3	2.7	6.8
2.3	2.4	2.5	5.6
2.3	2.4	2.4	4.4
2.3	2.4	2.3	3.2
2.4	2.4	2.3	2.5
2.4	2.4	2.4	2.5
2.5	2.4	2.4	2.6
2.5	2.4	2.4	2.7
2.6	2.5	2.4	2.7
2.6	2.5	2.5	2.7
2.6	2.5	2.5	2.8
2.7	2.5	2.5	2.8
2.7	2.5	2.5	2.8
2.6	2.5	2.5	2.9
2.6	2.4	2.4	2.9
2.5	2.4	2.3	2.9
2.5	2.3	2.3	2.9
2.4	2.2	2.2	2.9
2.4	2.2	2.2	2.9
2.3	2.2	2.2	2.8
2.3	2.2	2.2	2.8
2.2	2.1	2.2	2.8
2.1	2.1	2.2	2.8
2.1	2.0	2.2	2.7
2.1	2.0	2.1	2.7
2.1	2.0	2.1	2.7
2.1	2.0	2.0	2.7
2.1	2.0	2.0	2.7
2.1	2.0	2.0	2.7
2.2	2.1	2.1	2.6
2.2	2.2	2.2	2.6
2.3	2.3	2.3	2.5
2.3	2.3	2.4	2.5
2.3	2.4	2.4	2.4

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°
180°	2.4	2.4	2.4



315°	337.5°	360°
2.4	2.4	2.4

(END OF REPORT)