

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: PSZ2F161027006-10

Luminaire Tested:

Test Date: 2016-10-31

Test Information

Test Method: LM-79-08
Report Number: PSZ2F161027006-10
Test Lab: BACL (Bay Area Compliance Labs)
Test Date: 2016-10-31
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number:
Description: WPSQLED-100-UNV
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: 11043 (1 lamp)
Luminaire Lumens: 11043.1 lumens
Efficiency: 100.0%
Efficacy: 109.3 lumens/watt
Luminous Opening: Point Source (0m x 0m x 0m)
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B3 - U3 - G3

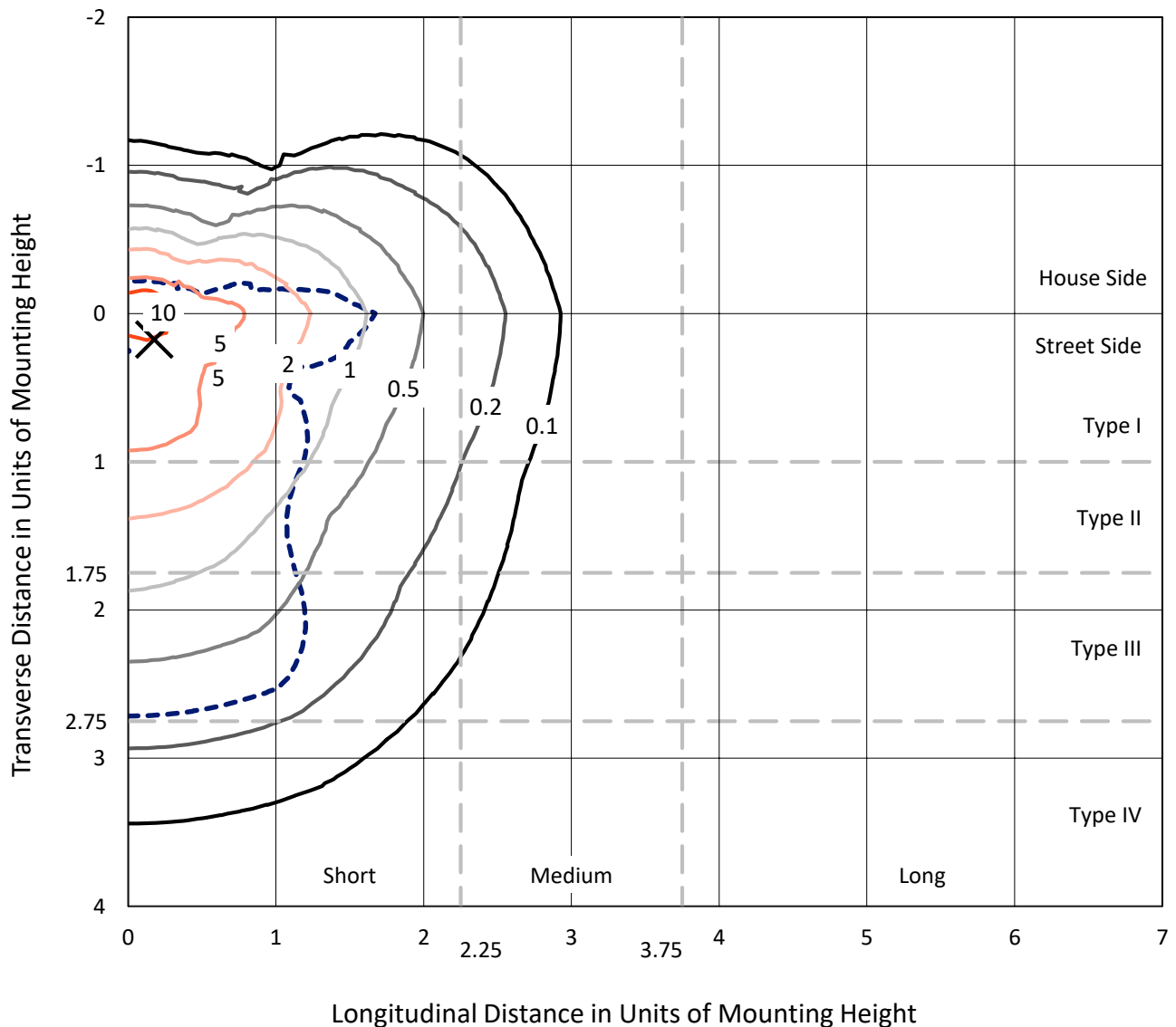
Input Watts (W): 101
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: PSZ2F161027006-10
 CATALOG NUMBER:

Iso-Footcandle Lines of Horizontal Illumination

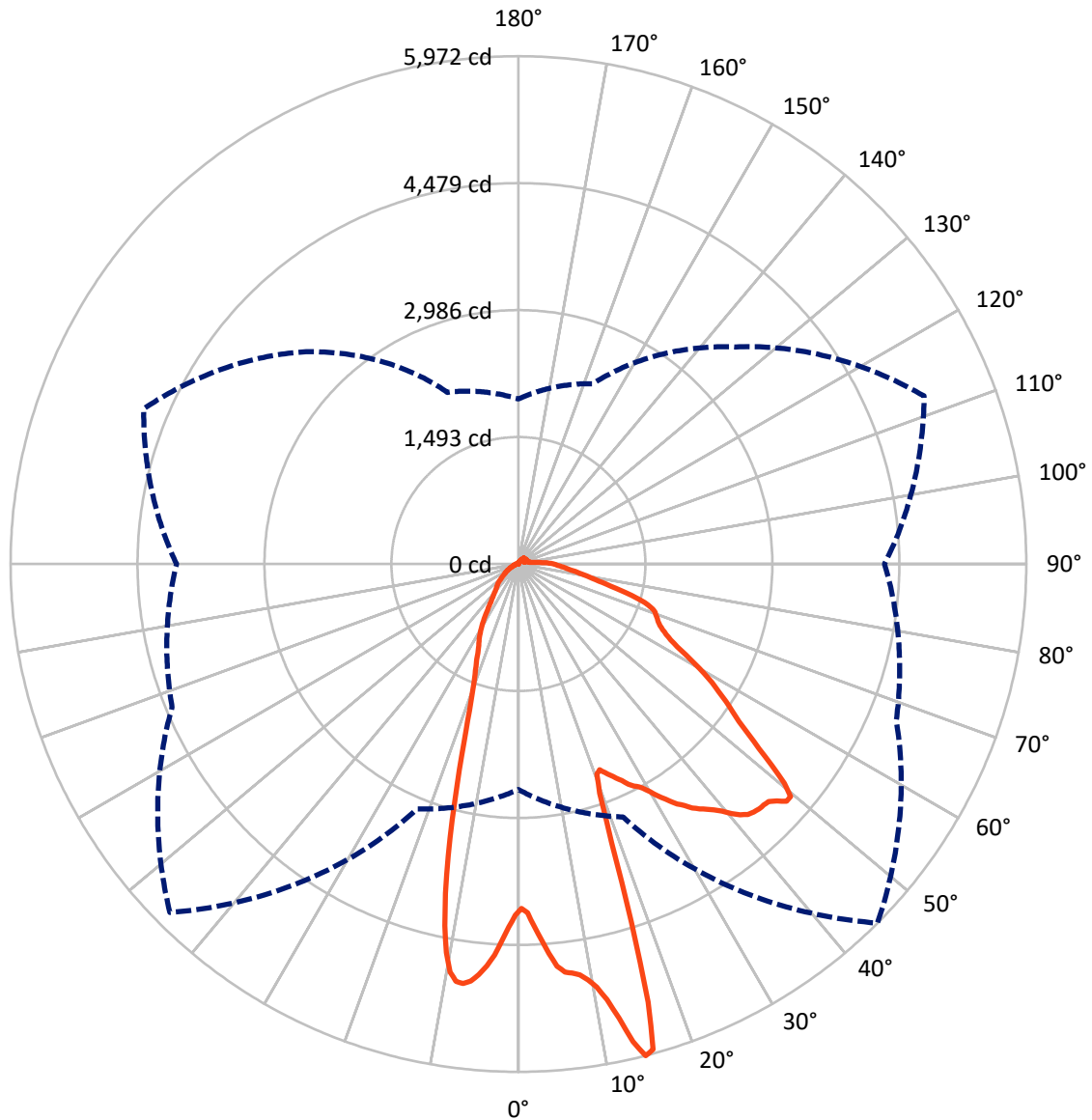
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.1 fc
 Type III - Short - Semi-Cutoff

REPORT NUMBER: PSZ2F161027006-10
CATALOG NUMBER:

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 14-Deg Vertical

REPORT NUMBER: PSZ2F161027006-10
 CATALOG NUMBER:

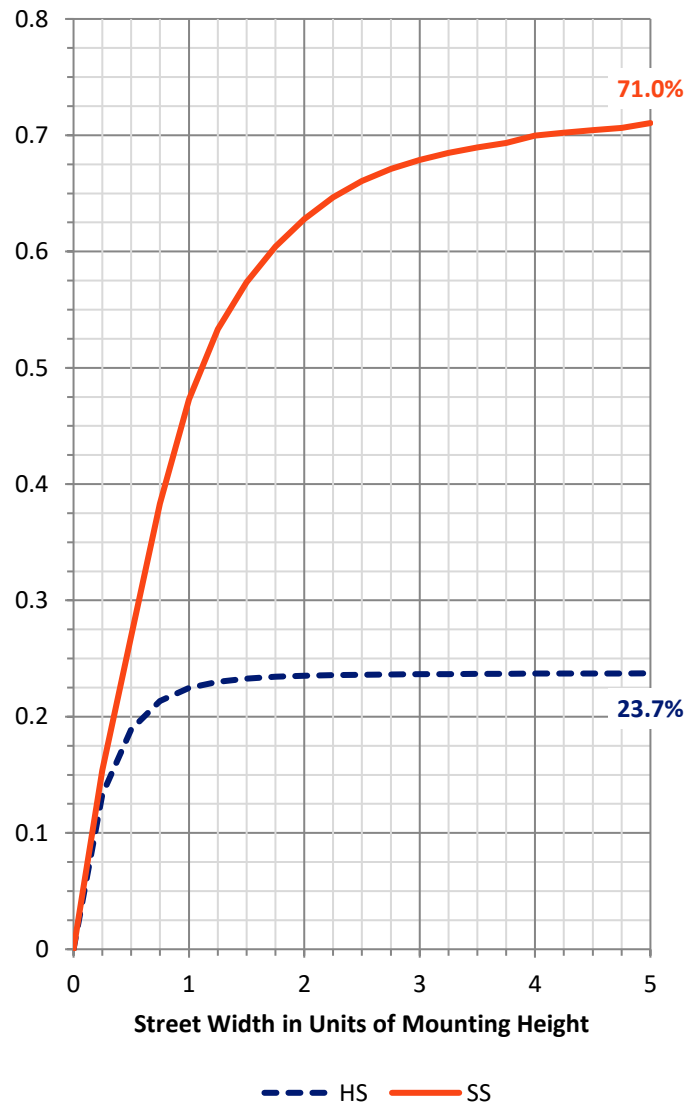
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2648.1	45.9	2693.9
	% Lamp	24.0	0.4	24.4
Street Side	Lumens	8013.6	335.6	8349.2
	% Lamp	72.6	3.0	75.6
Total	Lumens	10661.7	381.4	11043.1
	% Lamp	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	445.5	4.0	4.0
10°-20°	1012.5	9.2	9.2
20°-30°	1298.0	11.8	11.8
30°-40°	1708.6	15.5	15.5
40°-50°	1892.7	17.1	17.1
50°-60°	1802.3	16.3	16.3
60°-70°	1465.4	13.3	13.3
70°-80°	740.0	6.7	6.7
80°-90°	296.6	2.7	2.7
90°-100°	126.9	1.1	1.1
100°-110°	74.8	0.7	0.7
110°-120°	59.3	0.5	0.5
120°-130°	53.0	0.5	0.5
130°-140°	36.0	0.3	0.3
140°-150°	20.5	0.2	0.2
150°-160°	8.5	0.1	0.1
160°-170°	2.1	0.0	0.0
170°-180°	0.4	0.0	0.0
0°-90°	10661.7	96.5	96.5
0°-180°	11043.1	100.0	100.0

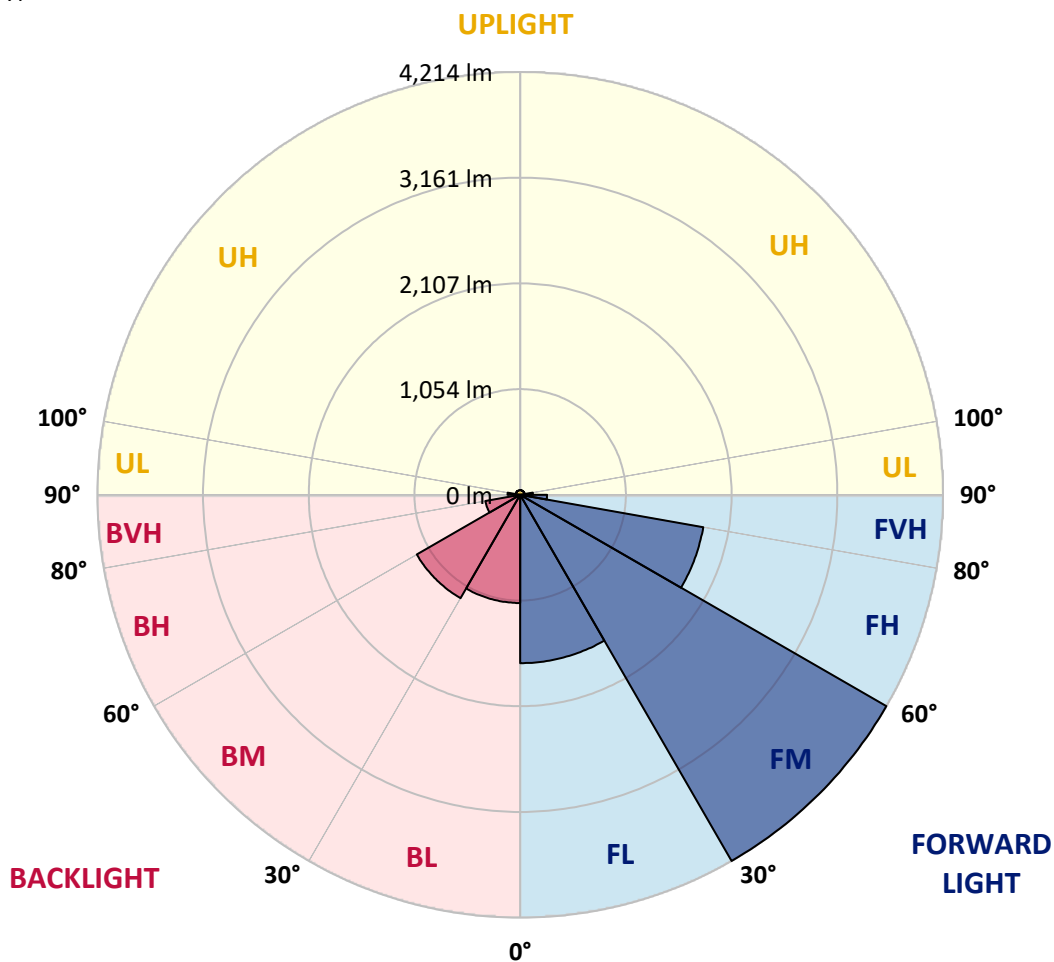


REPORT NUMBER: PSZ2F161027006-10
 CATALOG NUMBER:

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1677.9	15.2			
FM (30°-60°)	4214.1	38.2			
FH (60°-80°)	1853.0	16.8			G2/5000
FVH (80°-90°)	268.6	2.4			G3/500
BL (0°-30°)	1078.1	9.8	B3/2500		
BM (30°-60°)	1189.5	10.8	B2/2500		
BH (60°-80°)	352.4	3.2	B1/500		G1/500
BVH (80°-90°)	28.1	0.3			G1/100
UL (90°-100°)	126.9	1.1		U3/500	
UH (100°-180°)	45.9	0.4		U2/50	
Trapped Light	-0.1	0.0			

BUG Rating: B3-U3-G3
 Type III Short





REPORT NUMBER: PSZ2F161027006-10
 CATALOG NUMBER:

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	4050.8	4050.8	4050.8	4050.8	4050.8	4050.8	4050.8	4050.8	4050.8	4050.8	4050.8
1°	4043.4	4070.8	4104.2	4147.0	4130.4	4167.2	4187.6	4192.0	4180.6	4159.0	4130.0
2°	4059.3	4145.8	4262.3	4334.2	4339.4	4408.5	4416.7	4376.6	4320.5	4288.8	4271.2
3°	4094.6	4245.4	4428.2	4542.3	4558.7	4658.5	4659.8	4562.8	4443.7	4415.5	4433.6
4°	4150.9	4394.4	4593.0	4683.9	4707.0	4834.2	4899.2	4716.9	4500.6	4496.2	4608.7
5°	4197.2	4523.1	4750.2	4715.2	4723.1	4878.4	5038.4	4831.0	4520.0	4539.4	4741.4
6°	4288.2	4660.8	4830.4	4678.1	4671.2	4842.4	5062.9	5001.6	4524.5	4604.3	4848.8
7°	4431.2	4857.7	4851.0	4666.8	4665.6	4825.0	5059.0	5159.4	4462.2	4647.8	4936.8
8°	4622.5	5038.6	4883.5	4724.1	4760.2	4854.2	5021.7	5160.5	4218.2	4589.4	4976.1
9°	4926.3	5294.4	4957.8	4921.9	4978.5	4963.1	4988.8	4808.8	3771.0	4322.7	4962.8
10°	5007.0	5502.3	5062.7	5183.9	5248.0	5185.4	4980.9	4163.2	3201.5	3832.6	4867.0
11°	4631.4	5440.0	5226.1	5386.1	5403.9	5491.8	4900.3	3457.5	2721.4	3272.8	4646.2
12°	3816.8	4911.2	5470.4	5394.4	5234.3	5677.3	4599.3	2942.8	2370.6	2786.3	4340.5
13°	3029.3	4044.4	5775.0	5160.0	4780.6	5580.2	4132.8	2562.5	2132.7	2433.3	3965.3
14°	2651.7	3219.9	5972.0	4809.9	4305.4	5162.9	3609.8	2295.0	1939.5	2185.3	3529.5
15°	2582.4	2806.7	5924.2	4478.0	4008.2	4634.8	3127.0	2065.2	1779.0	1989.0	3101.0
16°	2646.1	2730.0	5373.8	4243.9	3882.0	4243.9	2738.2	1887.5	1653.2	1837.8	2691.5
17°	2776.5	2782.3	4419.0	4088.2	3844.6	4064.2	2395.0	1744.9	1541.6	1711.8	2340.6
18°	2917.6	2879.5	3458.7	4001.8	3798.2	3930.4	2098.8	1625.2	1436.7	1612.8	2045.8
19°	3072.4	2985.3	2858.2	3913.4	3747.8	3705.6	1856.3	1526.1	1342.0	1522.2	1816.5
20°	3226.0	3116.9	2638.1	3808.4	3714.8	3460.4	1664.3	1424.0	1275.2	1439.8	1634.5
21°	3388.6	3272.5	2601.1	3736.5	3735.0	3173.0	1514.6	1346.0	1208.4	1365.4	1499.1
22°	3565.0	3426.3	2653.9	3778.8	3818.3	2906.2	1395.3	1280.0	1141.4	1311.1	1391.5
23°	3763.6	3615.6	2710.2	3966.1	3900.0	2687.8	1305.8	1226.4	1068.4	1247.3	1305.4
24°	4011.1	3824.2	2764.0	4211.1	3933.4	2521.8	1216.3	1172.4	980.0	1183.4	1228.2
25°	4289.8	4049.2	2822.1	4402.4	3897.2	2417.1	1127.1	1098.8	887.8	1119.3	1151.0
26°	4585.1	4339.6	2895.5	4483.8	3813.2	2311.0	1058.4	1009.3	791.8	1024.6	1089.9
27°	4807.3	4666.2	2943.1	4442.9	3696.8	2205.8	1004.9	903.0	707.4	916.9	1041.5
28°	4956.7	4995.4	2984.0	4346.0	3576.4	2091.0	955.8	810.2	639.4	816.7	997.3
29°	5050.7	5212.8	3049.6	4186.3	3512.3	1992.8	906.9	726.6	583.7	727.1	953.1
30°	5109.0	5317.0	3134.4	3954.0	3578.0	1915.3	854.8	656.5	540.5	651.8	900.4
31°	5159.0	5318.5	3218.3	3665.2	3764.6	1881.1	800.8	601.6	506.8	589.8	847.0
32°	5189.7	5254.2	3303.1	3435.9	4052.8	1878.8	742.4	550.8	479.5	536.0	788.3
33°	5173.6	5176.8	3382.2	3247.6	4340.1	1903.1	684.8	512.2	452.0	495.6	731.4
34°	5126.1	5121.4	3447.7	3117.9	4508.8	1946.5	633.0	474.1	421.5	459.6	673.0
35°	5075.9	5090.2	3522.5	3026.9	4551.4	1985.0	584.9	442.2	394.2	428.2	620.6
36°	5109.1	5017.5	3584.2	2992.5	4486.0	2005.5	544.3	409.9	372.1	396.1	574.2
37°	5391.0	4935.5	3633.2	2962.1	4334.5	2008.1	506.7	378.4	353.5	366.0	534.2
38°	5794.0	4923.3	3695.5	2916.4	4115.9	1997.0	473.0	351.0	334.1	339.7	500.8
39°	5840.2	5090.1	3765.2	2865.1	3869.9	1959.0	443.9	326.3	309.2	317.3	471.6
40°	5567.8	5340.4	3857.4	2812.0	3628.1	1916.7	419.1	303.1	288.3	296.5	446.0
41°	5236.1	5355.8	3937.6	2762.3	3437.2	1869.1	399.6	276.9	264.4	271.5	422.8
42°	5012.7	5143.1	3993.7	2716.5	3330.9	1823.3	382.2	258.2	240.0	253.4	402.0
43°	4901.1	4867.5	4021.1	2688.5	3307.6	1781.0	366.7	238.1	216.4	234.2	384.3
44°	4836.7	4692.6	4036.6	2671.3	3332.4	1745.1	350.8	218.9	197.3	216.2	370.0



REPORT NUMBER: PSZ2F161027006-10

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	4740.4	4648.3	4044.2	2665.9	3363.0	1716.3	334.9	201.1	180.3	198.1	357.9
46°	4656.8	4576.2	4057.7	2652.6	3375.8	1690.6	319.4	184.0	166.8	182.0	344.4
47°	4603.8	4433.7	4122.5	2621.2	3347.0	1671.0	301.5	169.1	157.0	167.4	330.8
48°	4619.8	4297.4	4210.2	2586.2	3287.4	1652.2	282.7	155.6	150.3	154.0	312.6
49°	4678.1	4186.8	4209.2	2557.3	3235.8	1639.9	265.7	145.0	145.4	144.1	290.8
50°	4677.2	4140.8	4051.9	2533.4	3204.7	1626.0	249.1	135.5	142.1	134.2	273.3
51°	4455.5	4143.0	3809.5	2504.0	3195.2	1611.2	232.5	126.1	138.5	124.4	256.9
52°	4141.8	4125.2	3568.3	2476.2	3202.0	1590.6	217.2	120.4	137.1	119.2	241.6
53°	4010.5	3955.6	3360.4	2446.6	3178.9	1562.5	202.6	118.4	132.2	114.6	226.4
54°	3989.3	3692.6	3187.4	2422.1	3110.9	1529.2	189.8	114.2	127.3	110.4	212.6
55°	3948.3	3494.3	3049.3	2379.3	3001.6	1489.0	178.4	109.0	122.4	104.8	199.8
56°	3961.0	3382.7	2926.8	2357.0	2884.6	1447.6	167.4	104.1	116.4	98.8	188.0
57°	4001.4	3323.7	2792.4	2325.6	2797.2	1401.6	157.8	99.3	111.5	93.7	177.7
58°	3969.5	3316.5	2671.6	2286.2	2748.3	1350.3	148.3	93.5	104.2	89.7	168.1
59°	3948.2	3346.1	2533.6	2228.4	2706.7	1290.5	139.8	87.4	95.3	86.2	159.2
60°	3893.6	3384.5	2387.7	2165.6	2618.7	1231.5	131.3	80.6	86.6	81.3	151.0
61°	3842.1	3401.6	2240.3	2093.2	2480.3	1172.6	122.8	73.4	78.2	72.9	142.7
62°	3819.3	3407.8	2103.2	2000.6	2351.6	1121.2	115.4	66.2	66.6	64.1	133.7
63°	3718.5	3406.7	2002.2	1897.5	2252.9	1072.7	107.8	58.5	57.0	56.0	124.7
64°	3690.5	3359.1	1923.5	1807.2	2188.8	1030.8	100.2	48.2	48.9	46.4	116.2
65°	3686.1	3329.4	1863.5	1722.8	2107.8	995.4	92.3	40.0	40.0	38.0	107.3
66°	3479.8	3286.2	1814.2	1645.1	2009.4	962.4	85.4	31.9	27.2	30.8	99.2
67°	3319.6	3170.6	1780.2	1573.4	1898.9	928.0	78.6	22.1	14.5	21.8	91.5
68°	3125.4	3050.3	1754.7	1496.3	1753.9	883.3	72.0	12.2	1.9	12.7	84.3
69°	2833.6	2860.2	1729.9	1395.6	1570.2	814.4	65.6	2.6	0.4	3.8	77.7
70°	2633.0	2638.1	1705.5	1265.5	1387.3	705.5	59.3	0.6	0.4	0.8	71.3
71°	2414.4	2434.7	1664.6	1118.8	1204.5	575.8	53.8	0.6	0.5	0.6	65.5
72°	2178.9	2210.0	1598.0	976.1	1022.0	446.8	48.6	0.6	0.5	0.6	59.6
73°	1982.0	2002.0	1504.8	839.3	872.5	338.1	44.3	0.6	0.5	0.6	54.7
74°	1797.8	1808.9	1382.6	728.7	763.1	257.8	41.1	0.6	0.5	0.6	50.4
75°	1633.4	1634.4	1246.8	643.1	680.1	204.4	39.2	0.7	0.5	0.7	48.2
76°	1498.2	1492.3	1117.8	584.5	615.8	173.2	37.1	0.7	0.6	0.7	46.3
77°	1368.5	1368.0	1010.9	529.9	539.6	154.3	35.1	0.7	0.6	0.7	44.2
78°	1244.2	1249.6	925.3	475.5	462.7	141.7	33.2	0.7	0.6	0.7	42.2
79°	1125.8	1139.7	851.4	427.3	397.1	129.1	31.7	0.8	0.6	0.8	40.4
80°	1021.4	1042.6	786.3	383.4	335.0	116.6	30.7	0.8	0.7	0.8	39.1
81°	929.7	960.3	727.7	345.5	284.6	107.7	29.8	0.8	0.7	0.8	38.1
82°	847.6	877.0	674.8	312.0	243.0	100.7	29.3	0.9	0.7	0.9	37.3
83°	785.6	806.3	622.5	281.0	201.6	95.8	28.9	0.9	0.8	0.9	36.5
84°	726.1	739.0	584.2	254.4	171.3	92.0	28.6	0.9	0.8	0.9	35.8
85°	688.4	687.2	546.1	233.6	145.8	88.5	28.3	1.0	0.9	1.0	35.1
86°	649.5	636.6	508.0	216.8	120.3	85.3	27.9	1.0	0.9	1.0	34.1
87°	603.7	586.1	480.1	201.9	94.9	81.8	27.1	1.0	0.9	1.0	33.0
88°	571.8	545.3	452.3	189.2	80.2	77.4	25.8	1.1	1.0	1.1	31.6
89°	540.0	504.6	425.9	178.0	68.9	73.0	24.2	1.1	1.0	1.1	29.6



REPORT NUMBER: PSZ2F161027006-10

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	508.2	461.5	397.6	167.7	59.8	69.1	22.3	1.1	1.0	1.1	27.3
91°	481.0	429.7	365.8	157.6	55.0	65.7	20.3	1.1	1.1	1.1	24.9
92°	464.7	400.4	335.7	138.4	52.1	62.2	18.4	1.0	1.1	1.0	22.6
93°	430.1	350.7	279.3	115.2	44.2	56.4	16.5	1.0	1.1	1.0	21.0
94°	403.0	322.6	221.7	98.0	40.6	53.0	15.6	1.0	1.2	1.1	20.7
95°	368.1	299.0	181.4	84.6	38.2	48.8	15.4	1.2	1.2	1.2	20.9
96°	340.6	277.9	157.9	81.0	36.7	43.5	15.4	1.2	1.3	1.3	20.2
97°	305.6	260.0	143.8	82.4	37.7	41.2	14.8	1.3	1.4	1.4	18.6
98°	281.9	244.6	135.6	80.2	39.1	39.6	14.3	1.4	1.4	1.4	17.0
99°	267.9	225.2	130.6	74.8	39.6	39.2	13.4	1.5	1.5	1.5	15.8
100°	261.0	209.8	129.8	68.8	38.4	39.5	12.7	1.5	1.5	1.5	15.1
101°	249.5	203.4	129.0	68.3	34.4	40.7	12.6	1.6	1.6	1.6	15.2
102°	246.6	194.4	125.0	71.9	31.1	40.9	12.5	1.6	1.6	1.6	14.7
103°	247.0	183.8	114.9	78.2	29.9	39.9	12.3	1.7	1.7	1.7	14.2
104°	239.5	177.8	102.2	85.8	31.6	42.6	12.0	1.7	1.7	1.7	13.8
105°	226.6	170.5	92.2	92.4	35.5	46.1	11.5	1.8	1.8	1.8	12.9
106°	215.8	159.6	79.3	98.2	41.3	50.4	10.6	1.8	1.8	1.8	11.5
107°	201.6	147.1	71.3	99.7	47.3	51.9	10.6	1.9	1.8	1.9	11.1
108°	180.4	135.7	69.6	98.2	52.6	50.2	10.9	1.9	1.8	1.9	11.5
109°	170.6	122.2	72.7	96.5	54.0	48.4	11.5	2.0	1.9	2.0	12.2
110°	155.5	110.7	80.5	94.7	53.5	46.7	11.6	2.0	1.9	2.0	12.5
111°	143.4	102.9	89.4	92.7	52.6	45.1	12.2	2.1	2.0	2.1	13.3
112°	132.9	99.3	96.4	90.9	51.7	43.4	12.5	2.1	2.0	2.1	13.6
113°	126.6	98.5	101.4	89.2	50.7	41.9	12.0	2.2	2.1	2.2	13.8
114°	124.0	102.2	105.4	87.8	49.4	40.3	11.5	2.2	2.2	2.2	13.3
115°	128.3	108.6	108.0	86.9	47.8	38.6	11.0	2.3	2.2	2.3	12.8
116°	131.0	116.2	108.0	86.0	45.9	37.0	10.6	2.4	2.3	2.3	12.3
117°	142.0	121.9	107.2	85.1	43.9	35.4	10.1	2.4	2.4	2.4	11.8
118°	150.0	126.5	106.0	84.4	42.0	33.8	9.7	2.5	2.4	2.5	11.3
119°	155.1	130.6	104.9	83.5	40.4	32.2	9.2	2.6	2.5	2.6	10.8
120°	161.2	135.3	104.0	82.6	39.4	30.9	8.7	2.6	2.6	2.6	10.4
121°	167.1	138.4	103.1	81.5	38.6	29.7	8.3	2.7	2.8	2.7	10.0
122°	174.4	139.5	102.5	80.0	37.7	28.5	7.9	2.8	2.9	2.8	9.7
123°	178.7	137.9	101.8	78.3	36.9	27.4	7.6	2.8	3.0	2.8	9.4
124°	179.0	136.6	101.1	76.5	36.2	26.5	7.2	2.9	3.1	2.9	9.0
125°	176.1	135.6	100.3	74.8	35.5	25.7	6.9	2.9	3.1	2.9	8.7
126°	173.1	133.9	99.6	73.1	34.9	24.9	6.5	3.0	3.2	2.9	8.3
127°	170.6	132.5	98.6	71.6	34.2	24.3	6.1	3.0	3.2	2.9	8.0
128°	167.1	130.8	97.4	70.3	33.3	24.0	5.8	3.0	3.2	2.9	7.6
129°	165.2	129.1	96.2	68.9	32.2	23.8	5.7	3.0	3.2	2.9	7.5
130°	163.2	127.0	95.2	67.6	25.8	23.7	5.5	3.0	3.2	2.9	7.2
131°	162.2	124.3	94.2	66.3	18.2	23.2	5.3	2.9	3.2	2.8	6.9
132°	160.9	121.2	93.7	64.7	13.4	22.3	5.0	2.8	3.2	2.8	6.6
133°	157.7	118.0	93.8	62.0	10.1	21.2	4.7	2.7	3.1	2.7	6.1
134°	152.4	115.2	94.3	57.4	13.3	19.7	4.4	2.8	3.0	2.7	5.7



REPORT NUMBER: PSZ2F161027006-10

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	147.1	112.6	94.9	52.8	14.6	17.2	4.2	2.8	2.9	2.8	5.2
136°	141.5	110.1	94.8	48.1	14.0	13.6	3.8	2.9	2.8	2.9	4.8
137°	135.6	108.5	93.1	44.4	13.5	10.1	3.3	3.0	2.9	3.0	4.2
138°	128.9	108.1	90.0	41.0	13.0	6.6	3.1	3.1	2.9	3.1	3.6
139°	122.8	108.8	85.7	38.2	12.5	4.5	2.7	3.1	3.1	3.2	3.2
140°	118.3	110.3	81.0	33.2	11.9	5.6	2.7	3.2	3.2	3.2	2.9
141°	116.4	112.1	76.3	27.7	11.3	7.5	2.8	3.2	3.3	3.3	3.0
142°	117.6	113.7	72.0	21.8	10.7	9.5	3.0	3.2	3.3	3.3	3.2
143°	122.2	114.8	68.0	16.8	9.9	10.4	3.1	3.2	3.4	3.3	3.4
144°	128.8	113.9	64.0	12.7	9.1	9.6	3.2	3.2	3.4	3.3	3.5
145°	132.9	109.9	60.4	10.4	8.3	8.6	3.2	3.2	3.4	3.3	3.6
146°	129.3	102.9	57.5	10.3	7.3	7.2	3.1	3.2	3.4	3.2	3.7
147°	118.6	94.2	54.6	6.3	6.5	5.8	3.1	3.2	3.4	3.3	3.8
148°	105.3	86.0	51.7	7.0	5.7	4.0	2.9	3.3	3.3	3.3	3.8
149°	93.5	79.1	49.7	7.8	4.7	2.3	2.8	3.5	3.4	3.4	3.8
150°	84.4	73.8	47.9	10.1	2.9	2.2	2.8	3.6	3.4	3.5	3.8
151°	77.8	69.6	46.1	12.5	2.3	2.2	2.8	3.7	3.6	3.7	3.7
152°	72.6	66.1	44.4	14.9	2.3	2.2	2.8	3.8	3.8	3.8	3.6
153°	68.5	62.9	42.8	14.5	2.4	2.3	2.8	3.8	4.0	3.9	3.5
154°	65.1	59.6	41.1	13.9	2.4	2.3	2.8	3.6	4.1	4.0	3.5
155°	61.9	56.7	38.1	13.4	2.4	2.4	2.8	3.4	4.2	4.1	3.5
156°	58.7	53.9	28.8	12.9	2.4	2.4	2.8	3.4	4.1	4.0	3.5
157°	55.6	51.0	20.0	12.3	2.4	2.4	2.7	3.3	4.0	3.9	3.4
158°	52.4	48.2	12.0	11.7	2.5	2.5	2.7	3.3	3.7	3.6	3.4
159°	49.3	45.2	5.7	11.1	2.5	2.5	2.7	3.2	3.6	3.6	3.3
160°	46.1	41.7	5.7	10.5	2.5	2.5	2.7	3.2	3.6	3.5	3.3
161°	42.8	30.2	5.7	10.0	2.5	2.5	2.6	3.1	3.5	3.4	3.2
162°	32.1	19.2	9.9	9.4	2.5	2.5	2.6	3.0	3.4	3.3	3.1
163°	20.3	9.6	14.1	8.8	2.5	2.5	2.6	2.9	3.3	3.2	3.0
164°	9.9	7.5	18.3	8.1	2.5	2.5	2.6	2.9	3.2	3.2	2.9
165°	7.6	5.7	16.8	7.5	2.5	2.5	2.6	2.8	3.1	3.1	2.9
166°	5.6	10.1	15.3	6.8	2.5	2.5	2.6	2.8	3.0	3.0	2.8
167°	9.0	14.5	13.6	6.1	2.5	2.5	2.6	2.7	3.0	2.9	2.8
168°	12.5	19.0	12.2	5.4	2.6	2.5	2.6	2.7	2.9	2.8	2.7
169°	15.9	16.2	11.0	4.7	2.6	2.6	2.6	2.7	2.9	2.8	2.6
170°	13.7	13.7	9.6	4.2	2.6	2.6	2.6	2.7	2.9	2.8	2.6
171°	11.5	11.4	8.2	4.1	2.6	2.6	2.6	2.7	2.8	2.8	2.6
172°	9.5	9.4	6.8	4.1	2.6	2.6	2.6	2.6	2.8	2.8	2.6
173°	7.8	7.6	5.8	4.1	2.7	2.6	2.6	2.6	2.8	2.8	2.6
174°	6.2	6.4	4.9	4.0	2.7	2.7	2.6	2.7	2.8	2.8	2.7
175°	5.1	5.2	4.0	4.0	2.8	2.8	2.7	2.8	2.9	2.9	2.9
176°	4.0	4.0	3.9	3.9	2.9	2.9	2.8	2.9	3.0	3.0	3.0
177°	3.8	3.8	3.8	3.8	3.0	2.9	3.0	3.0	3.1	3.1	3.1
178°	3.7	3.7	3.7	3.6	3.1	3.1	3.1	3.1	3.2	3.1	3.1
179°	3.6	3.5	3.6	3.4	3.2	3.2	3.2	3.3	3.2	3.2	3.2



REPORT NUMBER: PSZ2F161027006-10

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6

REPORT NUMBER: PSZ2F161027006-10
 CATALOG NUMBER:

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	247.5°	270°	292.5°	315°	337.5°	360°	
0°	4050.8	4050.8	4050.8	4050.8	4050.8	4050.8	45°
1°	4102.4	4112.3	4070.5	4043.6	4033.9	4043.4	46°
2°	4239.9	4247.7	4186.2	4117.2	4055.3	4059.3	47°
3°	4422.3	4403.6	4341.3	4219.0	4086.3	4094.6	48°
4°	4603.6	4527.1	4469.8	4322.5	4165.0	4150.9	49°
5°	4750.5	4585.2	4542.6	4422.4	4207.2	4197.2	50°
6°	4829.0	4616.6	4569.5	4474.6	4245.8	4288.2	51°
7°	4872.8	4635.3	4575.6	4499.0	4366.3	4431.2	52°
8°	4906.5	4694.8	4599.6	4520.3	4511.2	4622.5	53°
9°	4970.8	4869.4	4725.1	4576.0	4795.2	4926.3	54°
10°	5121.2	5021.7	4929.1	4665.3	5138.6	5007.0	55°
11°	5267.8	4973.9	5044.5	4849.8	5205.0	4631.4	56°
12°	5287.7	4671.9	4962.0	5341.4	4773.9	3816.8	57°
13°	5116.3	4299.2	4698.8	5795.0	3919.4	3029.3	58°
14°	4769.1	4020.0	4407.2	5795.6	3117.0	2651.7	59°
15°	4405.4	3856.9	4226.1	5357.9	2745.7	2582.4	60°
16°	4131.2	3797.7	4114.5	4573.6	2671.2	2646.1	61°
17°	3967.4	3811.2	4037.8	3709.4	2719.4	2776.5	62°
18°	3879.7	3847.2	3979.4	3059.6	2832.4	2917.6	63°
19°	3773.7	3883.5	3938.5	2737.0	2975.7	3072.4	64°
20°	3632.0	3904.6	3973.5	2658.7	3129.3	3226.0	65°
21°	3453.7	3918.0	4109.8	2669.4	3299.0	3388.6	66°
22°	3247.2	3888.7	4338.7	2707.0	3478.1	3565.0	67°
23°	3011.1	3839.0	4616.3	2762.6	3686.1	3763.6	68°
24°	2765.8	3790.9	4784.8	2823.2	3903.2	4011.1	69°
25°	2568.9	3737.5	4726.9	2905.8	4135.5	4289.8	70°
26°	2411.4	3656.4	4552.7	2989.1	4416.4	4585.1	71°
27°	2288.5	3544.8	4324.4	3078.9	4726.5	4807.3	72°
28°	2182.2	3438.0	4078.7	3177.8	4985.4	4956.7	73°
29°	2092.2	3398.6	3792.4	3272.1	5132.1	5050.7	74°
30°	2014.3	3473.3	3500.5	3346.3	5192.2	5109.0	75°
31°	1968.8	3674.4	3267.0	3416.0	5211.1	5159.0	76°
32°	1956.9	3922.1	3121.7	3500.0	5197.0	5189.7	77°
33°	1981.7	4135.8	3040.5	3595.2	5154.9	5173.6	78°
34°	2035.1	4243.3	3008.0	3687.8	5100.1	5126.1	79°
35°	2096.3	4250.7	2984.1	3753.2	5051.6	5075.9	80°
36°	2143.4	4170.8	2964.3	3788.0	4993.5	5109.1	81°
37°	2164.3	4020.7	2942.6	3785.3	4932.0	5391.0	82°
38°	2161.4	3797.1	2917.3	3767.0	4932.8	5794.0	83°
39°	2140.2	3551.2	2886.1	3754.6	5147.0	5840.2	84°
40°	2101.9	3350.2	2855.5	3761.2	5474.8	5567.8	85°
41°	2043.6	3221.2	2816.0	3785.0	5492.7	5236.1	86°
42°	1983.6	3167.0	2773.8	3812.1	5263.7	5012.7	87°
43°	1923.1	3180.5	2740.2	3835.1	4970.4	4901.1	88°
44°	1879.5	3224.3	2704.9	3865.2	4769.4	4836.7	89°

NUMBER: PSZ2F161027006-10
 NUMBER:

REPORT NUMBER: F
 CATALOG NUMBER:

DISTRIBUTION (continued):

247.5°	270°	292.5°	315°	337.5°	360°
1849.2	3278.1	2686.8	3917.8	4685.9	4740.4
1835.0	3318.2	2698.1	3993.6	4604.7	4656.8
1829.0	3331.5	2696.1	4043.6	4466.5	4603.8
1826.0	3326.4	2683.2	4029.5	4311.1	4619.8
1818.9	3308.0	2672.0	3964.3	4189.9	4678.1
1806.1	3269.0	2673.4	3855.6	4163.9	4677.2
1787.8	3205.8	2666.7	3740.0	4197.5	4455.5
1764.7	3116.0	2640.5	3581.6	4155.2	4141.8
1738.0	3006.7	2608.5	3403.1	3940.4	4010.5
1706.5	2885.2	2580.1	3255.3	3713.7	3989.3
1668.5	2757.1	2547.4	3134.8	3543.1	3948.3
1618.2	2659.4	2517.5	2977.8	3446.3	3961.0
1560.4	2621.2	2490.2	2823.9	3399.6	4001.4
1503.8	2646.6	2459.5	2657.6	3383.7	3969.5
1453.9	2675.5	2408.5	2519.8	3401.1	3948.2
1408.2	2653.7	2354.8	2374.6	3390.3	3893.6
1364.1	2548.2	2288.3	2226.9	3346.1	3842.1
1314.7	2422.5	2195.4	2117.2	3339.6	3819.3
1251.8	2283.7	2087.7	2026.6	3347.0	3718.5
1188.8	2110.4	1979.6	1962.1	3364.4	3690.5
1124.6	1904.1	1868.5	1911.6	3398.0	3686.1
1014.8	1677.6	1734.9	1869.1	3362.2	3479.8
881.8	1466.1	1586.2	1837.6	3273.4	3319.6
733.8	1280.8	1434.7	1815.0	3156.6	3125.4
585.6	1129.6	1277.0	1784.8	2960.8	2833.6
459.8	1027.2	1131.8	1752.5	2752.4	2633.0
369.9	933.2	1016.9	1708.7	2556.2	2414.4
308.0	856.4	914.1	1641.1	2338.2	2178.9
264.7	769.9	816.7	1538.4	2136.9	1982.0
235.6	691.7	727.4	1417.3	1953.5	1797.8
211.4	627.5	656.4	1295.6	1780.3	1633.4
192.6	564.4	599.1	1183.4	1629.4	1498.2
175.7	501.4	550.2	1071.6	1492.8	1368.5
161.2	438.4	501.4	977.4	1353.5	1244.2
148.9	384.0	452.6	893.0	1217.3	1125.8
138.8	332.7	405.0	816.6	1099.7	1021.4
128.8	284.9	362.3	750.8	998.2	929.7
118.8	238.9	326.7	689.5	914.3	847.6
111.4	196.9	296.2	634.9	841.1	785.6
104.6	161.7	270.2	594.2	771.4	726.1
98.6	132.7	249.3	546.3	711.3	688.4
92.4	107.0	231.4	498.4	651.5	649.5
86.6	86.9	215.2	462.0	591.1	603.7
81.4	73.1	199.2	431.6	549.6	571.8
76.4	63.6	186.2	400.1	508.4	540.0

CANDELA DISTRIBUTION:

	247.5°
90°	71.7
91°	67.0
92°	62.0
93°	57.6
94°	54.7
95°	49.8
96°	45.3
97°	41.9
98°	39.8
99°	39.1
100°	39.8
101°	40.8
102°	39.3
103°	39.1
104°	42.1
105°	46.6
106°	51.4
107°	51.3
108°	49.8
109°	48.5
110°	47.1
111°	45.7
112°	44.3
113°	42.9
114°	41.5
115°	40.0
116°	38.5
117°	37.2
118°	36.0
119°	34.9
120°	33.9
121°	33.0
122°	32.2
123°	31.5
124°	30.8
125°	30.3
126°	30.0
127°	29.8
128°	30.0
129°	30.4
130°	30.9
131°	30.9
132°	30.6
133°	29.5
134°	28.2

PSZ2F161027006-10

REPORT NUMBER: PSZ2F1610

CATALOG NUMBER:

TION (continued):

270°	292.5°	315°	337.5°	360°
57.1	174.2	373.4	467.6	508.2
50.7	159.0	346.1	435.2	481.0
44.2	132.0	284.4	389.8	464.7
40.8	111.0	230.2	349.5	430.1
38.5	92.6	197.8	321.1	403.0
37.0	85.0	173.4	296.3	368.1
38.6	87.5	154.1	273.0	340.6
39.8	87.7	142.0	254.0	305.6
40.5	84.0	134.2	241.0	281.9
39.1	78.2	130.2	222.6	267.9
34.8	76.6	126.9	209.1	261.0
31.4	78.0	126.4	199.9	249.5
30.0	82.1	121.3	192.7	246.6
31.5	88.2	112.3	186.0	247.0
35.9	94.8	101.5	178.3	239.5
42.0	100.8	91.4	168.3	226.6
48.7	102.9	87.0	157.1	215.8
54.0	101.4	84.9	145.4	201.6
55.3	99.8	87.3	131.5	180.4
55.0	98.1	95.5	117.1	170.6
54.3	96.3	101.1	105.6	155.5
53.5	94.6	104.7	99.7	143.4
52.6	92.8	107.4	97.0	132.9
51.6	90.8	109.1	99.9	126.6
50.2	89.0	109.6	103.7	124.0
48.6	87.7	108.6	112.9	128.3
46.9	86.6	107.8	119.4	131.0
45.2	85.8	107.2	124.1	142.0
43.6	85.0	106.4	128.8	150.0
42.4	84.3	105.3	133.7	155.1
41.4	83.4	104.3	137.7	161.2
40.5	82.3	103.5	140.5	167.1
39.6	80.8	102.6	139.3	174.4
38.8	79.2	101.7	137.8	178.7
38.1	77.3	100.6	136.4	179.0
37.4	75.5	99.4	135.2	176.1
36.7	73.8	98.3	133.7	173.1
35.9	72.4	97.2	132.5	170.6
32.3	70.9	96.1	131.2	167.1
24.6	69.3	94.7	130.0	165.2
17.9	66.8	93.7	128.0	163.2
13.6	63.6	93.0	125.3	162.2
11.8	59.5	92.8	121.8	160.9
15.3	54.6	92.8	118.1	157.7
16.5	49.7	93.2	114.4	152.4

CANDELA DISTRIBUTION (con

	247.5°	270°
135°	26.0	16.0
136°	22.4	15.5
137°	18.7	15.0
138°	15.0	14.6
139°	11.2	14.2
140°	7.4	13.8
141°	5.6	13.2
142°	4.9	12.4
143°	5.2	11.6
144°	5.3	10.7
145°	5.2	9.8
146°	5.1	8.9
147°	4.8	8.0
148°	3.4	7.2
149°	3.3	6.5
150°	3.3	5.0
151°	3.4	3.4
152°	3.4	3.5
153°	3.4	4.0
154°	3.4	3.7
155°	3.5	3.8
156°	3.5	3.9
157°	3.5	3.9
158°	3.5	4.0
159°	3.5	4.1
160°	3.4	4.1
161°	3.3	4.1
162°	3.3	4.1
163°	3.2	4.2
164°	3.2	4.2
165°	3.1	4.1
166°	3.1	4.1
167°	3.0	4.0
168°	3.0	4.0
169°	3.0	3.9
170°	2.9	3.8
171°	2.9	3.8
172°	2.8	3.8
173°	2.8	3.8
174°	2.8	3.8
175°	2.9	3.7
176°	3.1	3.6
177°	3.2	3.5
178°	3.3	3.4
179°	3.4	3.4



I27006-10

REPORT NUMBER: PSZ2F161027006-10

CATALOG NUMBER:

tinued):

292.5°	315°	337.5°	360°
46.3	93.5	110.8	147.1
43.5	93.3	107.6	141.5
40.4	91.8	104.8	135.6
34.5	89.0	103.5	128.9
28.8	85.2	104.1	122.8
23.2	80.8	105.6	118.3
18.6	76.0	107.6	116.4
15.1	71.7	109.5	117.6
13.9	67.7	110.8	122.2
14.4	63.9	110.3	128.8
14.5	60.6	106.7	132.9
16.1	57.2	99.9	129.3
18.7	53.9	91.7	118.6
16.2	50.5	83.6	105.3
15.8	47.9	76.7	93.5
18.1	45.5	71.4	84.4
20.0	43.8	67.0	77.8
18.2	42.1	63.5	72.6
16.3	40.5	60.7	68.5
14.6	36.8	58.0	65.1
13.7	28.0	55.2	61.9
12.8	19.6	52.5	58.7
12.0	12.1	49.9	55.6
11.1	6.0	47.2	52.4
10.3	5.7	44.3	49.3
9.6	5.6	37.6	46.1
8.8	9.4	25.7	42.8
8.2	13.3	15.3	32.1
7.6	17.2	6.6	20.3
7.0	16.0	9.3	9.9
6.4	14.5	12.4	7.6
5.8	13.2	15.4	5.6
5.3	11.7	18.5	9.0
4.7	10.4	16.6	12.5
4.2	9.1	14.3	15.9
4.0	7.9	12.2	13.7
4.0	6.8	10.3	11.5
3.9	5.8	8.5	9.5
3.9	4.9	6.9	7.8
3.9	4.0	5.9	6.2
3.8	3.9	4.8	5.1
3.7	3.8	3.8	4.0
3.6	3.7	3.7	3.8
3.5	3.6	3.6	3.7
3.4	3.5	3.5	3.6

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°
180°	3.6	3.6	3.6



315°	337.5°	360°
3.6	3.6	3.6

(END OF REPORT)