

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P934521

Luminaire Tested: SQ4-FA-050U-125D-927-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

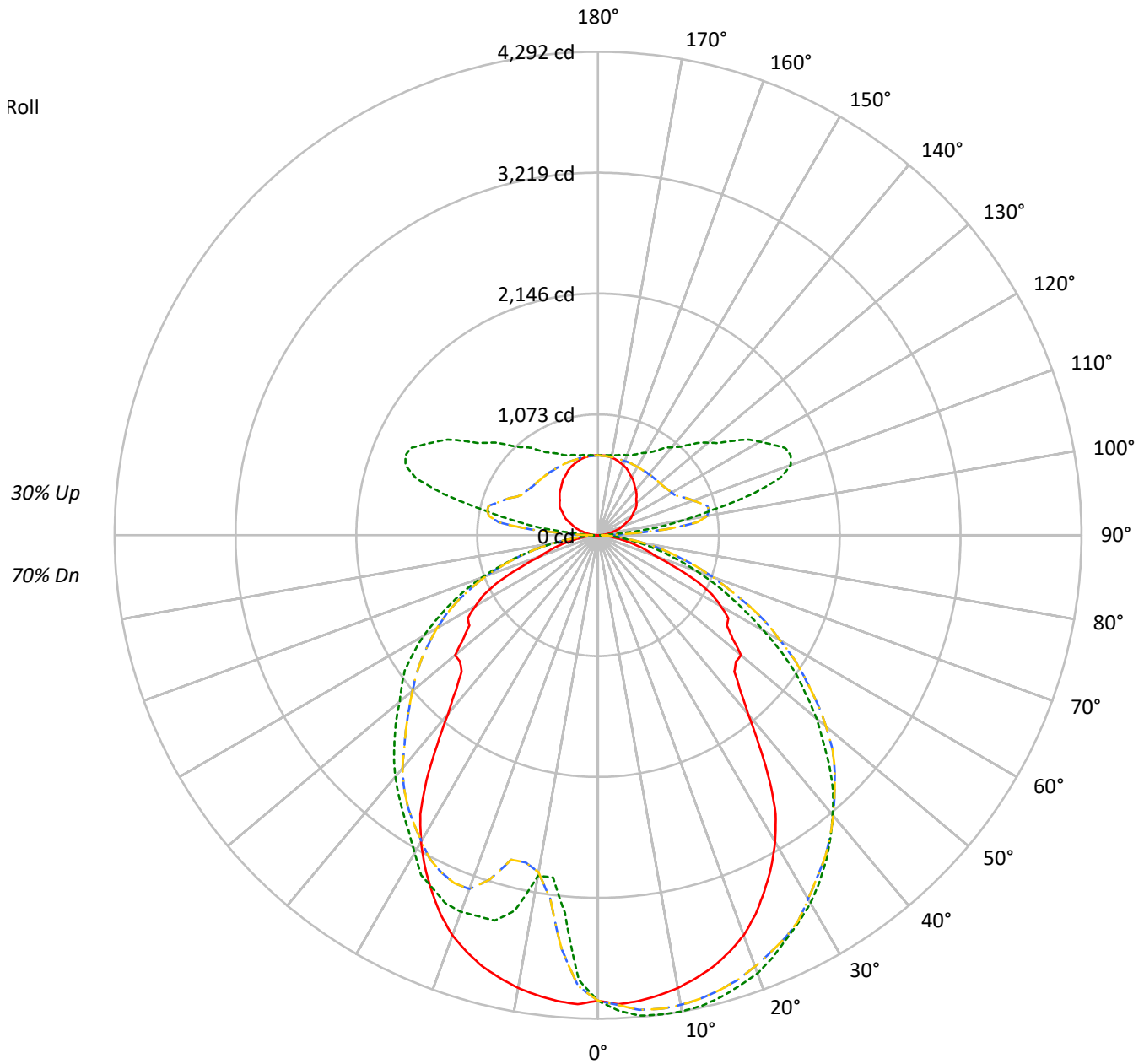
Test Method: LM-79-2019  
Report Number: P934521  
REPORT IS A COMBINATION OF REPORTS P933701 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-125D-927-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15314.5 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: Semi-Direct  
  
Input Watts (W): 168  
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: 24 FT

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	70
1	102	98	94	90	97	93	89	86	83	80	78	74	72	70	66	65	63	63	63	63	59
2	93	86	79	74	88	81	76	71	73	68	65	65	62	59	58	56	53	53	53	53	50
3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	45	45	45	45	42
4	78	67	58	52	73	63	56	50	57	51	46	51	47	43	46	42	39	39	39	39	36
5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	34	34	34	34	31
6	66	53	45	39	62	51	43	38	46	40	35	42	36	32	38	33	30	30	30	30	27
7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	27	27	27	27	24
8	57	44	36	30	54	42	35	29	38	32	28	35	30	26	31	27	24	24	24	24	22
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	21	21	21	19
10	49	37	30	25	47	35	28	24	32	26	22	30	25	21	27	23	19	19	19	19	18

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	12780	12780	12780	12780
5°	12880	12901	12880	10144
10°	12799	12708	12799	9085
15°	12664	12432	12664	10381
20°	12405	12106	12405	10403
25°	11867	11631	11867	10183
30°	11171	11236	11171	9699
35°	9964	10736	9964	9167
40°	8307	10148	8307	8765
45°	7427	9460	7427	8303
50°	7897	8639	7897	7839
55°	7437	7754	7437	7570
60°	7676	6586	7676	6934
65°	6970	5444	6970	6085
70°	4838	4338	4838	5101
75°	4258	3207	4258	3840
80°	3458	2120	3458	2309
85°	2025	1123	2025	954

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11376 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	373.0	2.4
10°-20°	1059.0	6.9
20°-30°	1637.0	10.7
30°-40°	1954.2	12.8
40°-50°	1965.6	12.8
50°-60°	1710.3	11.2
60°-70°	1212.6	7.9
70°-80°	641.6	4.2
80°-90°	162.5	1.1
90°-100°	345.8	2.3
100°-110°	909.1	5.9
110°-120°	942.7	6.2
120°-130°	756.1	4.9
130°-140°	593.3	3.9
140°-150°	455.4	3.0
150°-160°	328.0	2.1
160°-170°	200.7	1.3
170°-180°	67.8	0.4
0°-30°	3068.9	20.0
0°-40°	5023.0	32.8
0°-60°	8699.0	56.8
0°-90°	10715.7	70.0
90°-120°	2197.6	14.3
90°-150°	4002.4	26.1
90°-180°	4599.0	30.0
0°-180°	15314.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4132	4132	4132	4132	4132	
5°	4151	4280	4151	3366	4151	394
15°	3964	4241	3964	3542	3964	1115
25°	3491	3956	3491	3463	3491	1603
35°	2654	3530	2654	3014	2654	1642
45°	1712	2908	1712	2553	1712	1372
55°	1396	2146	1396	2095	1396	1282
65°	969	1294	969	1446	969	926
75°	367	614	367	735	367	386
85°	62	156	62	133	62	84
90°	5	18	5	18	5	7
95°	46	209	46	209	46	51
105°	164	1424	164	1424	164	174
115°	291	1833	291	1833	291	287
125°	405	1460	405	1460	405	359
135°	482	1133	482	1133	482	373
145°	559	919	559	919	559	350
155°	632	791	632	791	632	291
165°	682	737	682	737	682	193
175°	709	714	709	714	709	67
180°	709	709	709	709	709	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8
2.5°	4167.0	4167.0	4190.4	4198.3	4198.3	4186.5	4174.8	4186.5	4221.7	4233.5	4229.5
5°	4151.3	4182.6	4225.6	4233.5	4241.2	4237.3	4229.5	4237.3	4276.4	4284.3	4288.1
7.5°	4120.0	4178.7	4233.5	4245.2	4256.9	4245.2	4241.2	4249.1	4288.1	4296.0	4296.0
10°	4081.0	4163.1	4225.6	4233.5	4245.2	4233.5	4233.5	4249.1	4288.1	4296.0	4299.9
12.5°	4026.3	4139.6	4198.3	4206.0	4221.7	4217.8	4213.9	4229.5	4268.6	4276.4	4276.4
15°	3963.7	4096.6	4151.3	4159.2	4186.5	4178.7	4178.7	4194.3	4237.3	4249.1	4245.2
17.5°	3877.7	4041.9	4104.4	4116.2	4135.7	4131.8	4135.7	4151.3	4190.4	4198.3	4202.1
20°	3780.0	3967.6	4041.9	4053.6	4073.1	4073.1	4073.1	4092.7	4131.8	4147.5	4147.5
22.5°	3647.1	3889.4	3967.6	3975.4	3998.9	3998.9	4006.7	4034.0	4069.2	4073.1	4073.1
25°	3490.7	3803.4	3869.9	3893.4	3916.8	3928.5	3940.2	3955.9	3967.6	3963.7	3967.6
27.5°	3326.6	3694.0	3780.0	3795.6	3826.9	3838.6	3854.2	3858.2	3862.1	3873.8	3866.0
30°	3142.8	3541.5	3670.5	3686.1	3737.0	3744.8	3729.2	3737.0	3756.5	3764.4	3772.2
32.5°	2935.6	3314.8	3557.2	3592.4	3639.3	3615.8	3611.9	3623.6	3654.9	3654.9	3662.7
35°	2654.2	3138.9	3451.6	3482.9	3518.1	3490.7	3506.3	3510.3	3529.8	3541.5	3537.6
37.5°	2345.4	2986.4	3342.2	3365.7	3393.0	3357.8	3381.3	3393.0	3408.6	3400.8	3400.8
40°	2071.8	2748.0	3213.2	3228.8	3252.2	3224.9	3248.4	3256.2	3264.0	3256.2	3252.2
42.5°	1868.5	2486.1	3076.4	3095.9	3080.3	3099.8	3107.6	3123.3	3111.6	3095.9	3095.9
45°	1712.1	2415.7	2927.8	2951.3	2927.8	2959.1	2970.8	2970.8	2935.6	2927.8	2923.9
47.5°	1661.4	2275.0	2779.3	2779.3	2767.5	2806.6	2826.2	2798.8	2763.7	2751.9	2751.9
50°	1657.4	2118.7	2576.0	2560.4	2615.1	2662.0	2642.5	2615.1	2587.7	2544.8	2544.8
52.5°	1505.0	1927.2	2314.1	2372.8	2458.8	2486.1	2454.8	2427.5	2380.5	2361.1	2345.4
55°	1395.5	1727.8	2075.7	2193.0	2282.8	2318.0	2259.4	2232.0	2161.7	2149.9	2142.1
57.5°	1372.1	1438.5	1856.8	2005.3	2114.7	2110.9	2075.7	2024.9	1966.2	1954.5	1950.6
60°	1258.7	1039.8	1622.2	1798.1	1911.5	1899.7	1868.5	1821.6	1766.8	1759.1	1751.2
62.5°	1141.4	754.4	1356.4	1555.8	1716.0	1712.1	1684.8	1614.4	1575.3	1555.8	1540.2
65°	969.4	633.2	965.5	1293.9	1524.5	1532.3	1473.7	1422.9	1379.8	1356.4	1352.5
67.5°	738.8	516.0	652.8	1078.8	1340.8	1332.9	1258.7	1235.2	1180.5	1168.8	1145.3
70°	547.2	344.0	453.5	875.6	1160.9	1141.4	1082.8	1055.4	1004.6	977.2	961.6
72.5°	453.5	277.5	332.3	680.1	977.2	953.8	903.0	871.7	828.7	805.3	789.6
75°	367.4	293.1	254.1	504.3	793.5	777.9	731.0	699.7	664.5	633.2	637.2
77.5°	269.7	273.7	203.3	371.4	629.3	605.9	578.5	539.5	523.8	492.6	492.6
80°	203.3	215.0	152.5	254.1	453.5	453.5	430.0	402.6	375.3	359.6	359.6
82.5°	136.8	136.8	113.3	160.2	308.8	297.1	281.4	273.7	258.0	250.2	250.2
85°	62.5	78.2	70.4	97.7	168.1	175.9	175.9	168.1	164.2	156.4	160.2
87.5°	19.6	35.2	43.0	54.7	86.0	89.9	93.8	93.8	93.8	97.7	97.7
90°	4.8	8.5	12.4	13.3	20.9	31.1	36.2	32.2	24.1	18.1	18.1
92.5°	19.0	51.4	83.8	91.9	129.1	178.9	203.7	178.6	128.2	90.5	86.9
95°	45.7	105.0	164.2	179.0	317.9	503.0	595.6	531.5	403.2	307.1	296.1
97.5°	79.0	131.3	183.6	196.7	428.2	736.9	891.3	850.8	769.7	708.9	688.2
100°	104.7	152.2	199.5	211.4	468.3	810.9	982.2	985.1	991.1	995.5	970.8
102.5°	126.7	170.9	215.1	226.1	486.7	834.2	1007.9	1059.5	1162.8	1240.2	1219.1
105°	163.8	201.2	238.6	248.0	500.3	836.8	1005.1	1120.8	1352.3	1525.9	1514.5
107.5°	201.9	236.8	271.7	280.4	503.0	799.6	947.9	1109.4	1432.4	1674.5	1677.3
110°	227.6	259.1	290.7	298.5	499.1	766.6	900.4	1080.8	1441.8	1712.6	1724.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	252.8	282.8	312.9	320.4	499.3	737.7	857.0	1041.7	1411.2	1688.3	1706.5
115°	290.9	318.6	346.3	353.3	503.9	704.7	805.1	983.1	1339.0	1605.9	1631.2
117.5°	328.5	353.7	378.8	385.2	513.2	684.0	769.4	930.0	1251.2	1492.1	1520.1
120°	350.4	374.1	397.8	403.7	520.8	677.1	755.1	901.9	1195.3	1415.5	1442.7
122.5°	371.8	395.8	419.6	425.7	531.8	673.4	744.1	876.3	1140.6	1338.8	1365.6
125°	404.7	426.5	448.3	453.8	546.6	670.4	732.3	844.5	1069.0	1237.4	1262.1
127.5°	431.4	453.4	475.4	480.9	561.3	668.6	722.3	818.7	1011.4	1156.0	1176.9
130°	445.7	469.4	493.0	499.0	572.1	669.7	718.5	804.3	975.9	1104.6	1123.8
132.5°	460.4	484.1	507.8	513.7	580.9	670.4	715.1	791.9	945.6	1060.8	1078.0
135°	482.3	503.9	525.4	530.8	590.4	669.7	709.4	773.8	902.4	998.9	1013.8
137.5°	504.7	526.1	547.5	552.8	604.7	673.9	708.5	762.8	871.6	953.2	965.3
140°	523.2	542.9	562.6	567.5	613.4	674.5	705.1	752.1	846.1	916.5	927.9
142.5°	537.5	555.7	574.0	578.5	620.7	677.0	705.1	746.4	828.9	890.8	900.6
145°	559.4	575.3	591.1	595.1	630.2	677.0	700.4	734.1	801.6	852.2	859.6
147.5°	581.4	596.8	612.2	616.1	644.2	681.7	700.4	727.0	780.1	819.9	826.1
150°	595.6	609.5	623.5	627.0	651.5	684.1	700.4	722.8	767.6	801.3	806.3
152.5°	610.4	620.9	631.6	634.2	656.3	685.7	700.4	719.6	757.8	786.6	790.3
155°	632.2	640.1	648.0	649.9	666.7	689.2	700.4	715.6	746.1	768.9	771.4
157.5°	648.5	656.1	663.7	665.6	677.2	692.7	700.4	712.2	735.9	753.7	755.4
160°	659.4	665.4	671.3	672.7	682.0	694.2	700.4	710.6	730.8	746.1	747.1
162.5°	670.4	674.8	679.3	680.4	687.1	695.9	700.4	708.9	726.0	738.9	739.8
165°	682.3	686.3	690.3	691.3	694.3	698.4	700.4	706.6	718.8	728.0	729.0
167.5°	693.2	695.1	697.0	697.5	700.0	703.4	705.1	709.1	717.2	723.2	723.6
170°	700.4	702.2	704.2	704.6	704.8	705.0	705.1	709.1	717.2	723.2	723.2
172.5°	704.2	704.6	705.0	705.1	705.1	705.1	705.1	708.2	714.6	719.4	719.0
175°	709.4	709.4	709.4	709.4	707.9	706.0	705.1	707.1	711.2	714.2	714.2
177.5°	709.4	709.4	709.4	709.4	708.3	706.9	706.1	707.7	710.9	713.3	712.8
180°	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8
2.5°	4237.3	4225.6	4237.3	4229.5	4233.5	4221.7	4186.5	4174.8	4186.5	4198.3	4198.3
5°	4288.1	4280.4	4288.1	4288.1	4284.3	4276.4	4237.3	4229.5	4237.3	4241.2	4233.5
7.5°	4303.8	4292.1	4303.8	4296.0	4296.0	4288.1	4249.1	4241.2	4245.2	4256.9	4245.2
10°	4303.8	4292.1	4303.8	4299.9	4296.0	4288.1	4249.1	4233.5	4233.5	4245.2	4233.5
12.5°	4284.3	4276.4	4284.3	4276.4	4276.4	4268.6	4229.5	4213.9	4217.8	4221.7	4206.0
15°	4252.9	4241.2	4252.9	4245.2	4249.1	4237.3	4194.3	4178.7	4178.7	4186.5	4159.2
17.5°	4206.0	4190.4	4206.0	4202.1	4198.3	4190.4	4151.3	4135.7	4131.8	4135.7	4116.2
20°	4151.3	4139.6	4151.3	4147.5	4147.5	4131.8	4092.7	4073.1	4073.1	4073.1	4053.6
22.5°	4065.4	4053.6	4065.4	4073.1	4073.1	4069.2	4034.0	4006.7	3998.9	3998.9	3975.4
25°	3967.6	3955.9	3967.6	3967.6	3963.7	3967.6	3955.9	3940.2	3928.5	3916.8	3893.4
27.5°	3873.8	3866.0	3873.8	3866.0	3873.8	3862.1	3858.2	3854.2	3838.6	3826.9	3795.6
30°	3780.0	3772.2	3780.0	3772.2	3764.4	3756.5	3737.0	3729.2	3744.8	3737.0	3686.1
32.5°	3662.7	3654.9	3662.7	3662.7	3654.9	3654.9	3623.6	3611.9	3615.8	3639.3	3592.4
35°	3541.5	3529.8	3541.5	3537.6	3541.5	3529.8	3510.3	3506.3	3490.7	3518.1	3482.9
37.5°	3400.8	3389.1	3400.8	3400.8	3400.8	3408.6	3393.0	3381.3	3357.8	3393.0	3365.7
40°	3256.2	3240.5	3256.2	3252.2	3256.2	3264.0	3256.2	3248.4	3224.9	3252.2	3228.8
42.5°	3092.0	3088.1	3092.0	3095.9	3095.9	3111.6	3123.3	3107.6	3099.8	3080.3	3095.9
45°	2916.1	2908.3	2916.1	2923.9	2927.8	2935.6	2970.8	2970.8	2959.1	2927.8	2951.3
47.5°	2728.5	2708.9	2728.5	2751.9	2751.9	2763.7	2798.8	2826.2	2806.6	2767.5	2779.3
50°	2529.1	2533.0	2529.1	2544.8	2544.8	2587.7	2615.1	2642.5	2662.0	2615.1	2560.4
52.5°	2333.6	2329.8	2333.6	2345.4	2361.1	2380.5	2427.5	2454.8	2486.1	2458.8	2372.8
55°	2138.2	2146.1	2138.2	2142.1	2149.9	2161.7	2232.0	2259.4	2318.0	2282.8	2193.0
57.5°	1942.8	1931.0	1942.8	1950.6	1954.5	1966.2	2024.9	2075.7	2110.9	2114.7	2005.3
60°	1716.0	1700.4	1716.0	1751.2	1759.1	1766.8	1821.6	1868.5	1899.7	1911.5	1798.1
62.5°	1516.7	1489.3	1516.7	1540.2	1555.8	1575.3	1614.4	1684.8	1712.1	1716.0	1555.8
65°	1305.6	1293.9	1305.6	1352.5	1356.4	1379.8	1422.9	1473.7	1532.3	1524.5	1293.9
67.5°	1114.0	1114.0	1114.0	1145.3	1168.8	1180.5	1235.2	1258.7	1332.9	1340.8	1078.8
70°	938.2	934.2	938.2	961.6	977.2	1004.6	1055.4	1082.8	1141.4	1160.9	875.6
72.5°	770.1	766.2	770.1	789.6	805.3	828.7	871.7	903.0	953.8	977.2	680.1
75°	621.5	613.7	621.5	637.2	633.2	664.5	699.7	731.0	777.9	793.5	504.3
77.5°	476.9	476.9	476.9	492.6	492.6	523.8	539.5	578.5	605.9	629.3	371.4
80°	355.7	351.8	355.7	359.6	359.6	375.3	402.6	430.0	453.5	453.5	254.1
82.5°	250.2	242.3	250.2	250.2	250.2	258.0	273.7	281.4	297.1	308.8	160.2
85°	156.4	156.4	156.4	160.2	156.4	164.2	168.1	175.9	175.9	168.1	97.7
87.5°	101.6	97.7	101.6	97.7	97.7	93.8	93.8	93.8	89.9	86.0	54.7
90°	18.1	18.1	18.1	18.1	18.1	24.1	32.2	36.2	31.1	20.9	13.3
92.5°	72.5	58.1	72.5	86.9	90.5	128.2	178.6	203.7	178.9	129.1	91.9
95°	252.6	209.0	252.6	296.1	307.1	403.2	531.5	595.6	503.0	317.9	179.0
97.5°	605.2	522.3	605.2	688.2	708.9	769.7	850.8	891.3	736.9	428.2	196.7
100°	872.0	773.2	872.0	970.8	995.5	991.1	985.1	982.2	810.9	468.3	211.4
102.5°	1134.4	1049.8	1134.4	1219.1	1240.2	1162.8	1059.5	1007.9	834.2	486.7	226.1
105°	1469.1	1423.6	1469.1	1514.5	1525.9	1352.3	1120.8	1005.1	836.8	500.3	248.0
107.5°	1688.2	1699.2	1688.2	1677.3	1674.5	1432.4	1109.4	947.9	799.6	503.0	280.4
110°	1771.8	1819.2	1771.8	1724.4	1712.6	1441.8	1080.8	900.4	766.6	499.1	298.5





TEST NUMBER: P934521

CATALOG NUMBER: SQ4-FA-050U-125D-927-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1779.3	1852.1	1779.3	1706.5	1688.3	1411.2	1041.7	857.0	737.7	499.3	320.4
115°	1732.1	1833.1	1732.1	1631.2	1605.9	1339.0	983.1	805.1	704.7	503.9	353.3
117.5°	1632.0	1744.0	1632.0	1520.1	1492.1	1251.2	930.0	769.4	684.0	513.2	385.2
120°	1551.5	1660.2	1551.5	1442.7	1415.5	1195.3	901.9	755.1	677.1	520.8	403.7
122.5°	1472.9	1580.2	1472.9	1365.6	1338.8	1140.6	876.3	744.1	673.4	531.8	425.7
125°	1360.9	1459.8	1360.9	1262.1	1237.4	1069.0	844.5	732.3	670.4	546.6	453.8
127.5°	1260.2	1343.6	1260.2	1176.9	1156.0	1011.4	818.7	722.3	668.6	561.3	480.9
130°	1200.9	1277.9	1200.9	1123.8	1104.6	975.9	804.3	718.5	669.7	572.1	499.0
132.5°	1147.0	1216.0	1147.0	1078.0	1060.8	945.6	791.9	715.1	670.4	580.9	513.7
135°	1073.2	1132.7	1073.2	1013.8	998.9	902.4	773.8	709.4	669.7	590.4	530.8
137.5°	1014.0	1062.7	1014.0	965.3	953.2	871.6	762.8	708.5	673.9	604.7	552.8
140°	973.4	1018.9	973.4	927.9	916.5	846.1	752.1	705.1	674.5	613.4	567.5
142.5°	939.8	978.9	939.8	900.6	890.8	828.9	746.4	705.1	677.0	620.7	578.5
145°	889.3	918.9	889.3	859.6	852.2	801.6	734.1	700.4	677.0	630.2	595.1
147.5°	850.5	875.1	850.5	826.1	819.9	780.1	727.0	700.4	681.7	644.2	616.1
150°	826.1	846.1	826.1	806.3	801.3	767.6	722.8	700.4	684.1	651.5	627.0
152.5°	805.3	820.4	805.3	790.3	786.6	757.8	719.6	700.4	685.7	656.3	634.2
155°	781.4	791.3	781.4	771.4	768.9	746.1	715.6	700.4	689.2	666.7	649.9
157.5°	762.4	769.4	762.4	755.4	753.7	735.9	712.2	700.4	692.7	677.2	665.6
160°	751.1	755.1	751.1	747.1	746.1	730.8	710.6	700.4	694.2	682.0	672.7
162.5°	743.7	747.5	743.7	739.8	738.9	726.0	708.9	700.4	695.9	687.1	680.4
165°	733.0	737.0	733.0	729.0	728.0	718.8	706.6	700.4	698.4	694.3	691.3
167.5°	725.3	727.0	725.3	723.6	723.2	717.2	709.1	705.1	703.4	700.0	697.5
170°	723.2	723.2	723.2	723.2	723.2	717.2	709.1	705.1	705.0	704.8	704.6
172.5°	717.6	716.1	717.6	719.0	719.4	714.6	708.2	705.1	705.1	705.1	705.1
175°	714.2	714.2	714.2	714.2	714.2	711.2	707.1	705.1	706.0	707.9	709.4
177.5°	711.1	709.4	711.1	712.8	713.3	710.9	707.7	706.1	706.9	708.3	709.4
180°	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4



TEST NUMBER: P934521

CATALOG NUMBER: SQ4-FA-050U-125D-927-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8
2.5°	4190.4	4167.0	4167.0	4127.9	4112.3	4100.6	4081.0	4022.3	4006.7	3991.1	4014.5
5°	4225.6	4182.6	4151.3	4081.0	4022.3	3998.9	3924.6	3783.9	3690.1	3619.7	3580.7
7.5°	4233.5	4178.7	4120.0	4010.6	3869.9	3807.3	3580.7	3322.6	3252.2	3189.7	3150.6
10°	4225.6	4163.1	4081.0	3916.8	3584.5	3475.1	3248.4	3080.3	3037.3	3025.6	3037.3
12.5°	4198.3	4139.6	4026.3	3752.6	3287.4	3213.2	3080.3	2982.5	2974.7	2994.3	3099.8
15°	4151.3	4096.6	3963.7	3533.7	3123.3	3068.5	2974.7	2939.6	2982.5	3119.3	3436.0
17.5°	4104.4	4041.9	3877.7	3318.7	2998.2	2959.1	2892.7	2963.0	3205.4	3389.1	3494.6
20°	4041.9	3967.6	3780.0	3162.4	2908.3	2873.1	2841.8	3158.5	3342.2	3408.6	3467.2
22.5°	3967.6	3889.4	3647.1	3052.9	2814.5	2787.1	2806.6	3267.9	3342.2	3389.1	3439.9
25°	3869.9	3803.4	3490.7	2966.9	2740.2	2708.9	2783.2	3256.2	3299.1	3310.9	3412.6
27.5°	3780.0	3694.0	3326.6	2888.7	2650.3	2638.6	2802.7	3205.4	3236.6	3248.4	3357.8
30°	3670.5	3541.5	3142.8	2806.6	2556.5	2552.6	2806.6	3142.8	3135.0	3166.2	3275.7
32.5°	3557.2	3314.8	2935.6	2705.0	2466.5	2462.7	2779.3	3049.0	3041.2	3084.2	3166.2
35°	3451.6	3138.9	2654.2	2587.7	2353.2	2357.1	2712.9	2939.6	2943.5	2982.5	3033.3
37.5°	3342.2	2986.4	2345.4	2458.8	2243.8	2243.8	2622.9	2837.9	2830.1	2841.8	2912.2
40°	3213.2	2748.0	2071.8	2290.7	2142.1	2130.4	2513.5	2728.5	2701.1	2697.2	2794.9
42.5°	3076.4	2486.1	1868.5	2067.8	2024.9	2009.2	2380.5	2595.6	2544.8	2556.5	2681.5
45°	2927.8	2415.7	1712.1	1747.3	1903.7	1892.0	2235.9	2443.1	2407.9	2439.2	2568.2
47.5°	2779.3	2275.0	1661.4	1450.2	1774.7	1770.8	2075.7	2294.6	2275.0	2306.3	2443.1
50°	2576.0	2118.7	1657.4	1243.1	1630.0	1645.6	1884.1	2149.9	2149.9	2177.3	2321.9
52.5°	2314.1	1927.2	1505.0	1125.8	1461.9	1508.9	1716.0	2024.9	2032.6	2060.1	2189.0
55°	2075.7	1727.8	1395.5	1035.9	1262.6	1364.2	1551.9	1895.8	1911.5	1938.9	2056.1
57.5°	1856.8	1438.5	1372.1	930.3	1078.8	1176.6	1407.3	1770.8	1778.6	1802.0	1915.4
60°	1622.2	1039.8	1258.7	817.0	918.6	992.9	1274.4	1622.2	1649.6	1665.2	1762.9
62.5°	1356.4	754.4	1141.4	738.8	840.5	856.1	1164.9	1481.5	1516.7	1528.4	1587.0
65°	965.5	633.2	969.4	672.4	758.4	762.2	1047.6	1336.9	1368.1	1387.7	1430.7
67.5°	652.8	516.0	738.8	609.8	695.8	699.7	934.2	1168.8	1211.7	1227.5	1254.8
70°	453.5	344.0	547.2	543.3	625.5	633.2	813.0	1016.3	1055.4	1067.1	1082.8
72.5°	332.3	277.5	453.5	488.6	551.2	559.0	688.0	844.3	883.4	895.1	903.0
75°	254.1	293.1	367.4	426.0	469.1	473.0	562.9	688.0	715.3	723.2	727.0
77.5°	203.3	273.7	269.7	344.0	383.1	375.3	441.7	531.6	555.1	555.1	555.1
80°	152.5	215.0	203.3	246.2	281.4	273.7	316.6	379.1	387.0	394.8	390.9
82.5°	113.3	136.8	136.8	156.4	187.6	179.8	211.1	246.2	246.2	246.2	254.1
85°	70.4	78.2	62.5	82.1	105.6	101.6	117.3	132.9	136.8	136.8	129.0
87.5°	43.0	35.2	19.6	31.3	46.9	46.9	54.7	58.6	54.7	54.7	54.7
90°	12.4	8.5	4.8	8.5	12.4	13.3	20.9	31.1	36.2	32.2	24.1
92.5°	83.8	51.4	19.0	51.4	83.8	91.9	129.1	178.9	203.7	178.6	128.2
95°	164.2	105.0	45.7	105.0	164.2	179.0	317.9	503.0	595.6	531.5	403.2
97.5°	183.6	131.3	79.0	131.3	183.6	196.7	428.2	736.9	891.3	850.8	769.7
100°	199.5	152.2	104.7	152.2	199.5	211.4	468.3	810.9	982.2	985.1	991.1
102.5°	215.1	170.9	126.7	170.9	215.1	226.1	486.7	834.2	1007.9	1059.5	1162.8
105°	238.6	201.2	163.8	201.2	238.6	248.0	500.3	836.8	1005.1	1120.8	1352.3
107.5°	271.7	236.8	201.9	236.8	271.7	280.4	503.0	799.6	947.9	1109.4	1432.4
110°	290.7	259.1	227.6	259.1	290.7	298.5	499.1	766.6	900.4	1080.8	1441.8



TEST NUMBER: P934521

CATALOG NUMBER: SQ4-FA-050U-125D-927-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	312.9	282.8	252.8	282.8	312.9	320.4	499.3	737.7	857.0	1041.7	1411.2
115°	346.3	318.6	290.9	318.6	346.3	353.3	503.9	704.7	805.1	983.1	1339.0
117.5°	378.8	353.7	328.5	353.7	378.8	385.2	513.2	684.0	769.4	930.0	1251.2
120°	397.8	374.1	350.4	374.1	397.8	403.7	520.8	677.1	755.1	901.9	1195.3
122.5°	419.6	395.8	371.8	395.8	419.6	425.7	531.8	673.4	744.1	876.3	1140.6
125°	448.3	426.5	404.7	426.5	448.3	453.8	546.6	670.4	732.3	844.5	1069.0
127.5°	475.4	453.4	431.4	453.4	475.4	480.9	561.3	668.6	722.3	818.7	1011.4
130°	493.0	469.4	445.7	469.4	493.0	499.0	572.1	669.7	718.5	804.3	975.9
132.5°	507.8	484.1	460.4	484.1	507.8	513.7	580.9	670.4	715.1	791.9	945.6
135°	525.4	503.9	482.3	503.9	525.4	530.8	590.4	669.7	709.4	773.8	902.4
137.5°	547.5	526.1	504.7	526.1	547.5	552.8	604.7	673.9	708.5	762.8	871.6
140°	562.6	542.9	523.2	542.9	562.6	567.5	613.4	674.5	705.1	752.1	846.1
142.5°	574.0	555.7	537.5	555.7	574.0	578.5	620.7	677.0	705.1	746.4	828.9
145°	591.1	575.3	559.4	575.3	591.1	595.1	630.2	677.0	700.4	734.1	801.6
147.5°	612.2	596.8	581.4	596.8	612.2	616.1	644.2	681.7	700.4	727.0	780.1
150°	623.5	609.5	595.6	609.5	623.5	627.0	651.5	684.1	700.4	722.8	767.6
152.5°	631.6	620.9	610.4	620.9	631.6	634.2	656.3	685.7	700.4	719.6	757.8
155°	648.0	640.1	632.2	640.1	648.0	649.9	666.7	689.2	700.4	715.6	746.1
157.5°	663.7	656.1	648.5	656.1	663.7	665.6	677.2	692.7	700.4	712.2	735.9
160°	671.3	665.4	659.4	665.4	671.3	672.7	682.0	694.2	700.4	710.6	730.8
162.5°	679.3	674.8	670.4	674.8	679.3	680.4	687.1	695.9	700.4	708.9	726.0
165°	690.3	686.3	682.3	686.3	690.3	691.3	694.3	698.4	700.4	706.6	718.8
167.5°	697.0	695.1	693.2	695.1	697.0	697.5	700.0	703.4	705.1	709.1	717.2
170°	704.2	702.2	700.4	702.2	704.2	704.6	704.8	705.0	705.1	709.1	717.2
172.5°	705.0	704.6	704.2	704.6	705.0	705.1	705.1	705.1	705.1	708.2	714.6
175°	709.4	709.4	709.4	709.4	709.4	709.4	707.9	706.0	705.1	707.1	711.2
177.5°	709.4	709.4	709.4	709.4	709.4	709.4	708.3	706.9	706.1	707.7	710.9
180°	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4



TEST NUMBER: P934521  
 CATALOG NUMBER: SQ4-FA-050U-125D-927-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8
2.5°	3987.1	3975.4	3991.1	3948.1	3991.1	3975.4	3987.1	4014.5	3991.1	4006.7	4022.3
5°	3498.6	3479.0	3416.4	3365.7	3416.4	3479.0	3498.6	3580.7	3619.7	3690.1	3783.9
7.5°	3127.2	3111.6	3095.9	3064.7	3095.9	3111.6	3127.2	3150.6	3189.7	3252.2	3322.6
10°	3045.1	3049.0	3072.5	3068.5	3072.5	3049.0	3045.1	3037.3	3025.6	3037.3	3080.3
12.5°	3256.2	3291.4	3420.3	3412.6	3420.3	3291.4	3256.2	3099.8	2994.3	2974.7	2982.5
15°	3498.6	3510.3	3537.6	3541.5	3537.6	3510.3	3498.6	3436.0	3119.3	2982.5	2939.6
17.5°	3522.0	3525.9	3545.5	3545.5	3545.5	3525.9	3522.0	3494.6	3389.1	3205.4	2963.0
20°	3502.4	3510.3	3549.4	3557.2	3549.4	3510.3	3502.4	3467.2	3408.6	3342.2	3158.5
22.5°	3494.6	3510.3	3541.5	3537.6	3541.5	3510.3	3494.6	3439.9	3389.1	3342.2	3267.9
25°	3455.5	3455.5	3459.5	3463.4	3459.5	3455.5	3455.5	3412.6	3310.9	3299.1	3256.2
27.5°	3373.4	3381.3	3404.7	3400.8	3404.7	3381.3	3373.4	3357.8	3248.4	3236.6	3205.4
30°	3299.1	3291.4	3271.8	3256.2	3271.8	3291.4	3299.1	3275.7	3166.2	3135.0	3142.8
32.5°	3174.1	3154.5	3135.0	3123.3	3135.0	3154.5	3174.1	3166.2	3084.2	3041.2	3049.0
35°	3025.6	3029.5	3025.6	3013.9	3025.6	3029.5	3025.6	3033.3	2982.5	2943.5	2939.6
37.5°	2920.0	2927.8	2923.9	2908.3	2923.9	2927.8	2920.0	2912.2	2841.8	2830.1	2837.9
40°	2810.6	2814.5	2810.6	2798.8	2810.6	2814.5	2810.6	2794.9	2697.2	2701.1	2728.5
42.5°	2705.0	2701.1	2689.4	2681.5	2689.4	2701.1	2705.0	2681.5	2556.5	2544.8	2595.6
45°	2583.8	2587.7	2564.3	2552.6	2564.3	2587.7	2583.8	2568.2	2439.2	2407.9	2443.1
47.5°	2462.7	2462.7	2443.1	2431.4	2443.1	2462.7	2462.7	2443.1	2306.3	2275.0	2294.6
50°	2333.6	2329.8	2302.4	2298.5	2302.4	2329.8	2333.6	2321.9	2177.3	2149.9	2149.9
52.5°	2185.1	2185.1	2189.0	2196.8	2189.0	2185.1	2185.1	2189.0	2060.1	2032.6	2024.9
55°	2056.1	2060.1	2087.4	2095.2	2087.4	2060.1	2056.1	2056.1	1938.9	1911.5	1895.8
57.5°	1923.2	1923.2	1942.8	1942.8	1942.8	1923.2	1923.2	1915.4	1802.0	1778.6	1770.8
60°	1770.8	1778.6	1794.3	1790.3	1794.3	1778.6	1770.8	1762.9	1665.2	1649.6	1622.2
62.5°	1610.5	1618.3	1622.2	1614.4	1622.2	1618.3	1610.5	1587.0	1528.4	1516.7	1481.5
65°	1442.4	1450.2	1454.1	1446.3	1454.1	1450.2	1442.4	1430.7	1387.7	1368.1	1336.9
67.5°	1270.4	1266.5	1262.6	1278.2	1262.6	1266.5	1270.4	1254.8	1227.5	1211.7	1168.8
70°	1094.5	1094.5	1090.6	1098.4	1090.6	1094.5	1094.5	1082.8	1067.1	1055.4	1016.3
72.5°	906.9	903.0	918.6	906.9	918.6	903.0	906.9	903.0	895.1	883.4	844.3
75°	723.2	731.0	723.2	734.9	723.2	731.0	723.2	727.0	723.2	715.3	688.0
77.5°	551.2	559.0	551.2	551.2	551.2	559.0	551.2	555.1	555.1	555.1	531.6
80°	390.9	387.0	387.0	383.1	387.0	387.0	390.9	390.9	394.8	387.0	379.1
82.5°	250.2	246.2	246.2	254.1	246.2	246.2	250.2	254.1	246.2	246.2	246.2
85°	136.8	140.8	132.9	132.9	132.9	140.8	136.8	129.0	136.8	136.8	132.9
87.5°	50.8	46.9	46.9	46.9	46.9	46.9	50.8	54.7	54.7	54.7	58.6
90°	18.1	18.1	18.1	18.1	18.1	18.1	18.1	24.1	32.2	36.2	31.1
92.5°	90.5	86.9	72.5	58.1	72.5	86.9	90.5	128.2	178.6	203.7	178.9
95°	307.1	296.1	252.6	209.0	252.6	296.1	307.1	403.2	531.5	595.6	503.0
97.5°	708.9	688.2	605.2	522.3	605.2	688.2	708.9	769.7	850.8	891.3	736.9
100°	995.5	970.8	872.0	773.2	872.0	970.8	995.5	991.1	985.1	982.2	810.9
102.5°	1240.2	1219.1	1134.4	1049.8	1134.4	1219.1	1240.2	1162.8	1059.5	1007.9	834.2
105°	1525.9	1514.5	1469.1	1423.6	1469.1	1514.5	1525.9	1352.3	1120.8	1005.1	836.8
107.5°	1674.5	1677.3	1688.2	1699.2	1688.2	1677.3	1674.5	1432.4	1109.4	947.9	799.6
110°	1712.6	1724.4	1771.8	1819.2	1771.8	1724.4	1712.6	1441.8	1080.8	900.4	766.6



TEST NUMBER: P934521

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1688.3	1706.5	1779.3	1852.1	1779.3	1706.5	1688.3	1411.2	1041.7	857.0	737.7
115°	1605.9	1631.2	1732.1	1833.1	1732.1	1631.2	1605.9	1339.0	983.1	805.1	704.7
117.5°	1492.1	1520.1	1632.0	1744.0	1632.0	1520.1	1492.1	1251.2	930.0	769.4	684.0
120°	1415.5	1442.7	1551.5	1660.2	1551.5	1442.7	1415.5	1195.3	901.9	755.1	677.1
122.5°	1338.8	1365.6	1472.9	1580.2	1472.9	1365.6	1338.8	1140.6	876.3	744.1	673.4
125°	1237.4	1262.1	1360.9	1459.8	1360.9	1262.1	1237.4	1069.0	844.5	732.3	670.4
127.5°	1156.0	1176.9	1260.2	1343.6	1260.2	1176.9	1156.0	1011.4	818.7	722.3	668.6
130°	1104.6	1123.8	1200.9	1277.9	1200.9	1123.8	1104.6	975.9	804.3	718.5	669.7
132.5°	1060.8	1078.0	1147.0	1216.0	1147.0	1078.0	1060.8	945.6	791.9	715.1	670.4
135°	998.9	1013.8	1073.2	1132.7	1073.2	1013.8	998.9	902.4	773.8	709.4	669.7
137.5°	953.2	965.3	1014.0	1062.7	1014.0	965.3	953.2	871.6	762.8	708.5	673.9
140°	916.5	927.9	973.4	1018.9	973.4	927.9	916.5	846.1	752.1	705.1	674.5
142.5°	890.8	900.6	939.8	978.9	939.8	900.6	890.8	828.9	746.4	705.1	677.0
145°	852.2	859.6	889.3	918.9	889.3	859.6	852.2	801.6	734.1	700.4	677.0
147.5°	819.9	826.1	850.5	875.1	850.5	826.1	819.9	780.1	727.0	700.4	681.7
150°	801.3	806.3	826.1	846.1	826.1	806.3	801.3	767.6	722.8	700.4	684.1
152.5°	786.6	790.3	805.3	820.4	805.3	790.3	786.6	757.8	719.6	700.4	685.7
155°	768.9	771.4	781.4	791.3	781.4	771.4	768.9	746.1	715.6	700.4	689.2
157.5°	753.7	755.4	762.4	769.4	762.4	755.4	753.7	735.9	712.2	700.4	692.7
160°	746.1	747.1	751.1	755.1	751.1	747.1	746.1	730.8	710.6	700.4	694.2
162.5°	738.9	739.8	743.7	747.5	743.7	739.8	738.9	726.0	708.9	700.4	695.9
165°	728.0	729.0	733.0	737.0	733.0	729.0	728.0	718.8	706.6	700.4	698.4
167.5°	723.2	723.6	725.3	727.0	725.3	723.6	723.2	717.2	709.1	705.1	703.4
170°	723.2	723.2	723.2	723.2	723.2	723.2	723.2	717.2	709.1	705.1	705.0
172.5°	719.4	719.0	717.6	716.1	717.6	719.0	719.4	714.6	708.2	705.1	705.1
175°	714.2	714.2	714.2	714.2	714.2	714.2	714.2	711.2	707.1	705.1	706.0
177.5°	713.3	712.8	711.1	709.4	711.1	712.8	713.3	710.9	707.7	706.1	706.9
180°	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	4131.8	4131.8	4131.8	4131.8	4131.8
2.5°	4081.0	4100.6	4112.3	4127.9	4167.0
5°	3924.6	3998.9	4022.3	4081.0	4151.3
7.5°	3580.7	3807.3	3869.9	4010.6	4120.0
10°	3248.4	3475.1	3584.5	3916.8	4081.0
12.5°	3080.3	3213.2	3287.4	3752.6	4026.3
15°	2974.7	3068.5	3123.3	3533.7	3963.7
17.5°	2892.7	2959.1	2998.2	3318.7	3877.7
20°	2841.8	2873.1	2908.3	3162.4	3780.0
22.5°	2806.6	2787.1	2814.5	3052.9	3647.1
25°	2783.2	2708.9	2740.2	2966.9	3490.7
27.5°	2802.7	2638.6	2650.3	2888.7	3326.6
30°	2806.6	2552.6	2556.5	2806.6	3142.8
32.5°	2779.3	2462.7	2466.5	2705.0	2935.6
35°	2712.9	2357.1	2353.2	2587.7	2654.2
37.5°	2622.9	2243.8	2243.8	2458.8	2345.4
40°	2513.5	2130.4	2142.1	2290.7	2071.8
42.5°	2380.5	2009.2	2024.9	2067.8	1868.5
45°	2235.9	1892.0	1903.7	1747.3	1712.1
47.5°	2075.7	1770.8	1774.7	1450.2	1661.4
50°	1884.1	1645.6	1630.0	1243.1	1657.4
52.5°	1716.0	1508.9	1461.9	1125.8	1505.0
55°	1551.9	1364.2	1262.6	1035.9	1395.5
57.5°	1407.3	1176.6	1078.8	930.3	1372.1
60°	1274.4	992.9	918.6	817.0	1258.7
62.5°	1164.9	856.1	840.5	738.8	1141.4
65°	1047.6	762.2	758.4	672.4	969.4
67.5°	934.2	699.7	695.8	609.8	738.8
70°	813.0	633.2	625.5	543.3	547.2
72.5°	688.0	559.0	551.2	488.6	453.5
75°	562.9	473.0	469.1	426.0	367.4
77.5°	441.7	375.3	383.1	344.0	269.7
80°	316.6	273.7	281.4	246.2	203.3
82.5°	211.1	179.8	187.6	156.4	136.8
85°	117.3	101.6	105.6	82.1	62.5
87.5°	54.7	46.9	46.9	31.3	19.6
90°	20.9	13.3	12.4	8.5	4.8
92.5°	129.1	91.9	83.8	51.4	19.0
95°	317.9	179.0	164.2	105.0	45.7
97.5°	428.2	196.7	183.6	131.3	79.0
100°	468.3	211.4	199.5	152.2	104.7
102.5°	486.7	226.1	215.1	170.9	126.7
105°	500.3	248.0	238.6	201.2	163.8
107.5°	503.0	280.4	271.7	236.8	201.9
110°	499.1	298.5	290.7	259.1	227.6



TEST NUMBER: P934521

CATALOG NUMBER: SQ4-FA-050U-125D-927-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	499.3	320.4	312.9	282.8	252.8
115°	503.9	353.3	346.3	318.6	290.9
117.5°	513.2	385.2	378.8	353.7	328.5
120°	520.8	403.7	397.8	374.1	350.4
122.5°	531.8	425.7	419.6	395.8	371.8
125°	546.6	453.8	448.3	426.5	404.7
127.5°	561.3	480.9	475.4	453.4	431.4
130°	572.1	499.0	493.0	469.4	445.7
132.5°	580.9	513.7	507.8	484.1	460.4
135°	590.4	530.8	525.4	503.9	482.3
137.5°	604.7	552.8	547.5	526.1	504.7
140°	613.4	567.5	562.6	542.9	523.2
142.5°	620.7	578.5	574.0	555.7	537.5
145°	630.2	595.1	591.1	575.3	559.4
147.5°	644.2	616.1	612.2	596.8	581.4
150°	651.5	627.0	623.5	609.5	595.6
152.5°	656.3	634.2	631.6	620.9	610.4
155°	666.7	649.9	648.0	640.1	632.2
157.5°	677.2	665.6	663.7	656.1	648.5
160°	682.0	672.7	671.3	665.4	659.4
162.5°	687.1	680.4	679.3	674.8	670.4
165°	694.3	691.3	690.3	686.3	682.3
167.5°	700.0	697.5	697.0	695.1	693.2
170°	704.8	704.6	704.2	702.2	700.4
172.5°	705.1	705.1	705.0	704.6	704.2
175°	707.9	709.4	709.4	709.4	709.4
177.5°	708.3	709.4	709.4	709.4	709.4
180°	709.4	709.4	709.4	709.4	709.4



TEST NUMBER: P934521  
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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.33	16.41	16.10	17.19	18.15	18.18	19.26	18.95	20.04	21.00
	3H	15.82	16.79	16.60	17.59	18.57	19.55	20.52	20.33	21.31	22.30
	4H	16.03	16.94	16.82	17.74	18.74	20.01	20.92	20.80	21.72	22.72
	6H	16.15	16.99	16.96	17.81	18.82	20.31	21.15	21.12	21.96	22.97
	8H	16.16	16.96	16.98	17.79	18.81	20.39	21.19	21.21	22.03	23.04
	12H	16.14	16.90	16.96	17.73	18.77	20.44	21.21	21.27	22.03	23.07
4H	2H	16.39	17.30	17.19	18.11	19.11	18.62	19.53	19.42	20.33	21.33
	3H	17.44	18.20	18.25	19.04	20.05	20.15	20.91	20.96	21.75	22.76
	4H	17.73	18.42	18.55	19.25	20.29	20.69	21.38	21.52	22.22	23.26
	6H	17.86	18.46	18.71	19.32	20.37	21.07	21.67	21.92	22.53	23.58
	8H	17.87	18.43	18.72	19.29	20.35	21.19	21.75	22.03	22.60	23.66
	12H	17.85	18.35	18.72	19.23	20.29	21.26	21.76	22.12	22.64	23.70
8H	4H	18.20	18.76	19.05	19.62	20.67	20.83	21.39	21.68	22.25	23.30
	6H	18.47	18.93	19.35	19.83	20.89	21.28	21.74	22.16	22.64	23.70
	8H	18.52	18.93	19.40	19.82	20.89	21.44	21.85	22.32	22.74	23.82
	12H	18.51	18.87	19.40	19.76	20.88	21.55	21.91	22.44	22.80	23.93
12H	4H	18.22	18.72	19.08	19.60	20.66	20.81	21.31	21.67	22.19	23.25
	6H	18.53	18.94	19.42	19.84	20.91	21.28	21.69	22.17	22.59	23.66
	8H	18.61	18.97	19.50	19.86	20.99	21.46	21.82	22.34	22.70	23.83