

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: P934525

Luminaire Tested: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934525
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-92765-1D-UNV-STD-W-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

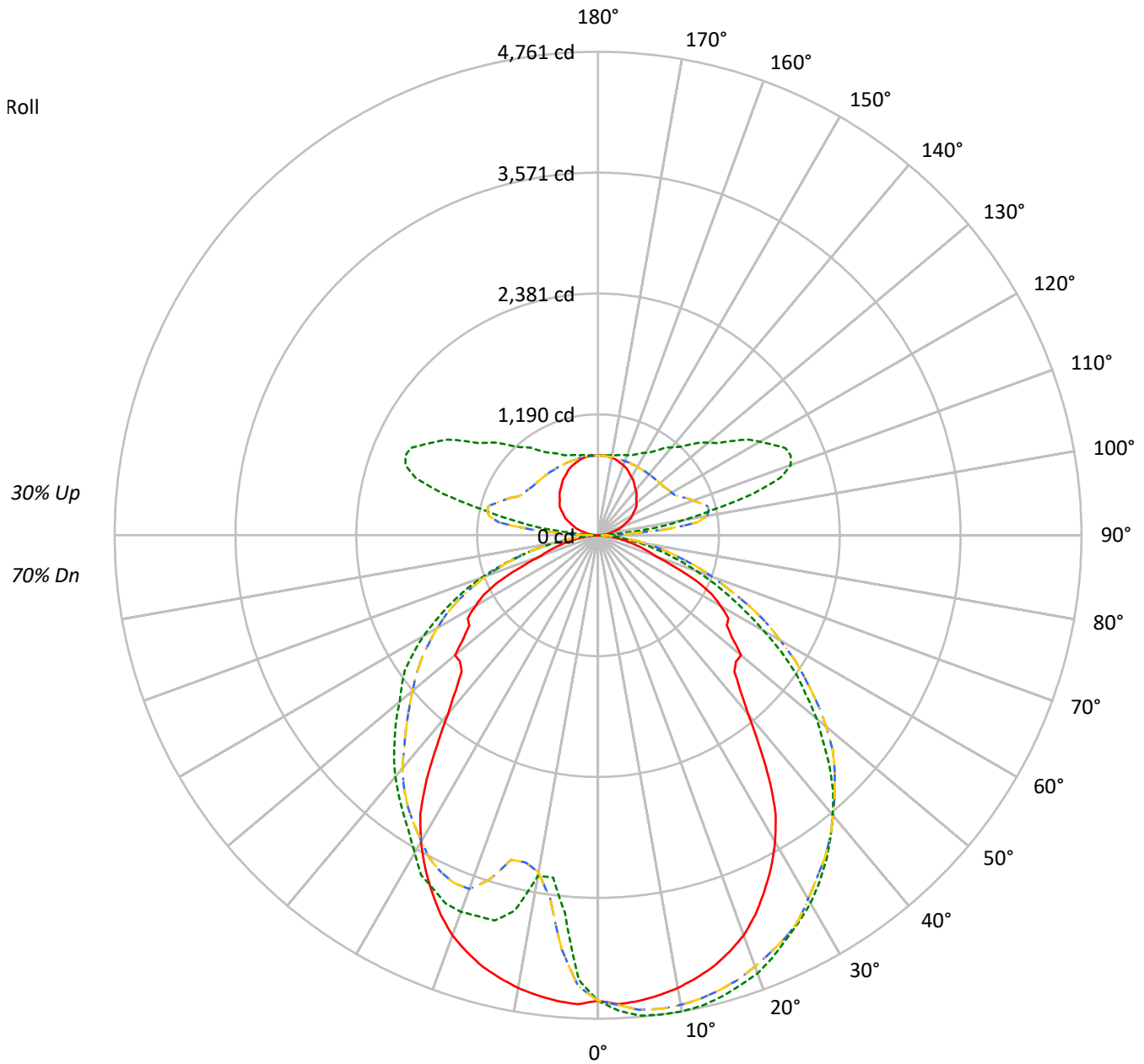
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16987.7 lumens
Efficiency: N/A
Efficacy: 101.1 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 (A_{in}): 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

TEST NUMBER: P934525
CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-2700K

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°	14177	14177	14177	14177
5°	14287	14310	14287	11252
10°	14197	14096	14197	10078
15°	14048	13791	14048	11516
20°	13760	13429	13760	11540
25°	13164	12901	13164	11295
30°	12392	12463	12392	10758
35°	11053	11909	11053	10168
40°	9215	11257	9215	9722
45°	8239	10493	8239	9210
50°	8760	9582	8760	8695
55°	8249	8601	8249	8398
60°	8514	7305	8514	7691
65°	7732	6039	7732	6750
70°	5367	4812	5367	5658
75°	4724	3557	4724	4260
80°	3835	2352	3835	2561
85°	2249	1246	2249	1059

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12619 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.7	2.4
10°-20°	1174.7	6.9
20°-30°	1815.8	10.7
30°-40°	2167.7	12.8
40°-50°	2180.4	12.8
50°-60°	1897.2	11.2
60°-70°	1345.1	7.9
70°-80°	711.7	4.2
80°-90°	180.2	1.1
90°-100°	383.6	2.3
100°-110°	1008.4	5.9
110°-120°	1045.6	6.2
120°-130°	838.7	4.9
130°-140°	658.1	3.9
140°-150°	505.1	3.0
150°-160°	363.8	2.1
160°-170°	222.6	1.3
170°-180°	75.2	0.4
0°-30°	3404.2	20.0
0°-40°	5571.9	32.8
0°-60°	9649.4	56.8
0°-90°	11886.5	70.0
90°-120°	2437.7	14.3
90°-150°	4439.6	26.1
90°-180°	5101.0	30.0
0°-180°	16987.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4583	4583	4583	4583	4583	
5°	4605	4748	4605	3733	4605	437
15°	4397	4705	4397	3928	4397	1237
25°	3872	4388	3872	3842	3872	1778
35°	2944	3916	2944	3343	2944	1821
45°	1899	3226	1899	2831	1899	1521
55°	1548	2380	1548	2324	1548	1422
65°	1075	1435	1075	1604	1075	1028
75°	408	681	408	815	408	429
85°	69	174	69	147	69	94
90°	5	20	5	20	5	7
95°	51	232	51	232	51	56
105°	182	1579	182	1579	182	193
115°	323	2033	323	2033	323	319
125°	449	1619	449	1619	449	399
135°	535	1256	535	1256	535	414
145°	620	1019	620	1019	620	389
155°	701	878	701	878	701	322
165°	757	818	757	818	757	214
175°	787	792	787	792	787	75
180°	787	787	787	787	787	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3
2.5°	4622.3	4622.3	4648.2	4657.0	4657.0	4643.9	4630.9	4643.9	4682.9	4696.0	4691.6
5°	4604.9	4639.6	4687.3	4696.0	4704.6	4700.3	4691.6	4700.3	4743.7	4752.4	4756.6
7.5°	4570.2	4635.3	4696.0	4709.0	4722.0	4709.0	4704.6	4713.3	4756.6	4765.4	4765.4
10°	4526.9	4617.9	4687.3	4696.0	4709.0	4696.0	4696.0	4713.3	4756.6	4765.4	4769.7
12.5°	4466.1	4591.9	4657.0	4665.6	4682.9	4678.6	4674.3	4691.6	4734.9	4743.7	4743.7
15°	4396.8	4544.2	4604.9	4613.6	4643.9	4635.3	4635.3	4652.6	4700.3	4713.3	4709.0
17.5°	4301.4	4483.5	4552.8	4565.9	4587.5	4583.3	4587.5	4604.9	4648.2	4657.0	4661.2
20°	4193.0	4401.1	4483.5	4496.5	4518.2	4518.2	4518.2	4539.9	4583.3	4600.6	4600.6
22.5°	4045.6	4314.4	4401.1	4409.8	4435.8	4435.8	4444.5	4474.8	4513.8	4518.2	4518.2
25°	3872.1	4219.0	4292.7	4318.7	4344.8	4357.8	4370.7	4388.1	4401.1	4396.8	4401.1
27.5°	3690.0	4097.6	4193.0	4210.3	4245.0	4258.0	4275.3	4279.7	4284.0	4297.0	4288.4
30°	3486.2	3928.5	4071.5	4088.9	4145.3	4154.0	4136.6	4145.3	4166.9	4175.7	4184.3
32.5°	3256.4	3677.0	3945.8	3984.8	4036.9	4010.9	4006.5	4019.5	4054.2	4054.2	4062.9
35°	2944.2	3481.9	3828.7	3863.4	3902.4	3872.1	3889.4	3893.8	3915.5	3928.5	3924.1
37.5°	2601.7	3312.7	3707.3	3733.4	3763.7	3724.7	3750.7	3763.7	3781.1	3772.3	3772.3
40°	2298.1	3048.2	3564.3	3581.6	3607.6	3577.3	3603.3	3611.9	3620.6	3611.9	3607.6
42.5°	2072.6	2757.7	3412.5	3434.2	3416.9	3438.5	3447.2	3464.5	3451.5	3434.2	3434.2
45°	1899.2	2679.7	3247.7	3273.7	3247.7	3282.4	3295.4	3295.4	3256.4	3247.7	3243.4
47.5°	1842.9	2523.6	3083.0	3083.0	3069.9	3113.3	3135.0	3104.6	3065.6	3052.6	3052.6
50°	1838.5	2350.1	2857.5	2840.1	2900.8	2952.9	2931.2	2900.8	2870.5	2822.8	2822.8
52.5°	1669.4	2137.7	2566.9	2632.0	2727.4	2757.7	2723.0	2692.7	2640.6	2619.0	2601.7
55°	1547.9	1916.6	2302.5	2432.6	2532.2	2571.3	2506.3	2475.9	2397.9	2384.8	2376.2
57.5°	1522.0	1595.7	2059.6	2224.4	2345.8	2341.5	2302.5	2246.1	2181.0	2168.0	2163.7
60°	1396.2	1153.4	1799.5	1994.6	2120.4	2107.3	2072.6	2020.6	1959.9	1951.3	1942.5
62.5°	1266.2	836.9	1504.6	1725.8	1903.5	1899.2	1868.8	1790.8	1747.5	1725.8	1708.4
65°	1075.3	702.4	1071.0	1435.3	1691.1	1699.7	1634.7	1578.3	1530.6	1504.6	1500.3
67.5°	819.5	572.4	724.1	1196.7	1487.3	1478.6	1396.2	1370.2	1309.5	1296.5	1270.4
70°	607.0	381.5	503.0	971.3	1287.8	1266.2	1201.1	1170.8	1114.4	1084.0	1066.6
72.5°	503.0	307.8	368.6	754.5	1084.0	1058.0	1001.6	967.0	919.2	893.2	875.9
75°	407.6	325.2	281.9	559.4	880.2	862.8	810.8	776.1	737.1	702.4	706.8
77.5°	299.2	303.6	225.5	411.9	698.1	672.1	641.7	598.4	581.1	546.4	546.4
80°	225.5	238.5	169.1	281.9	503.0	503.0	476.9	446.6	416.3	398.9	398.9
82.5°	151.8	151.8	125.7	177.7	342.6	329.5	312.2	303.6	286.2	277.5	277.5
85°	69.4	86.7	78.1	108.4	186.5	195.1	195.1	186.5	182.1	173.5	177.7
87.5°	21.7	39.0	47.7	60.7	95.4	99.8	104.0	104.0	104.0	108.4	108.4
90°	5.3	9.5	13.8	14.8	23.2	34.5	40.1	35.7	26.7	20.1	20.1
92.5°	21.1	57.0	92.9	101.9	143.2	198.4	226.0	198.1	142.2	100.4	96.3
95°	50.7	116.4	182.2	198.6	352.6	558.0	660.7	589.5	447.3	340.6	328.5
97.5°	87.6	145.6	203.6	218.1	475.0	817.4	988.7	943.7	853.8	786.4	763.4
100°	116.2	168.8	221.3	234.5	519.5	899.5	1089.5	1092.8	1099.3	1104.3	1076.9
102.5°	140.5	189.5	238.6	250.9	539.9	925.4	1118.1	1175.3	1289.8	1375.7	1352.3
105°	181.7	223.2	264.7	275.1	555.0	928.3	1114.9	1243.3	1500.0	1692.6	1680.0
107.5°	224.0	262.6	301.4	311.1	557.9	887.0	1051.5	1230.6	1588.8	1857.5	1860.5
110°	252.5	287.4	322.4	331.1	553.6	850.4	998.7	1198.9	1599.4	1899.7	1912.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	280.4	313.7	347.0	355.4	553.8	818.3	950.6	1155.5	1565.4	1872.8	1892.9
115°	322.7	353.4	384.2	391.9	558.9	781.7	893.1	1090.5	1485.2	1781.4	1809.4
117.5°	364.4	392.3	420.2	427.2	569.3	758.7	853.4	1031.6	1387.9	1655.1	1686.1
120°	388.7	415.0	441.2	447.8	577.7	751.0	837.6	1000.4	1325.9	1570.1	1600.3
122.5°	412.5	439.0	465.5	472.2	589.9	746.9	825.4	972.0	1265.2	1485.1	1514.8
125°	448.9	473.1	497.3	503.3	606.3	743.6	812.3	936.8	1185.8	1372.6	1400.0
127.5°	478.5	502.9	527.3	533.4	622.7	741.6	801.2	908.1	1121.9	1282.3	1305.4
130°	494.4	520.7	546.9	553.5	634.6	742.8	797.0	892.1	1082.5	1225.2	1246.6
132.5°	510.7	537.0	563.3	569.9	644.4	743.6	793.2	878.5	1048.9	1176.6	1195.8
135°	535.0	558.9	582.9	588.8	654.9	742.9	786.9	858.3	1001.0	1108.1	1124.5
137.5°	559.8	583.5	607.3	613.2	670.7	747.5	785.9	846.2	966.9	1057.3	1070.8
140°	580.4	602.2	624.0	629.5	680.4	748.2	782.1	834.2	938.5	1016.7	1029.3
142.5°	596.3	616.4	636.7	641.7	688.5	750.9	782.1	827.9	919.5	988.1	999.0
145°	620.5	638.1	655.7	660.2	699.1	750.9	776.9	814.3	889.2	945.3	953.5
147.5°	644.9	661.9	679.1	683.4	714.6	756.2	776.9	806.4	865.3	909.5	916.3
150°	660.7	676.1	691.7	695.5	722.7	758.8	776.9	801.8	851.5	888.8	894.4
152.5°	677.1	688.8	700.6	703.5	728.0	760.6	776.9	798.2	840.6	872.5	876.7
155°	701.3	710.0	718.7	720.9	739.6	764.4	776.9	793.8	827.6	852.9	855.7
157.5°	719.3	727.8	736.2	738.3	751.2	768.4	776.9	790.1	816.3	836.0	838.0
160°	731.5	738.1	744.6	746.3	756.5	770.1	776.9	788.2	810.7	827.6	828.7
162.5°	743.6	748.6	753.5	754.7	762.1	772.0	776.9	786.4	805.4	819.6	820.6
165°	756.8	761.3	765.7	766.8	770.2	774.7	776.9	783.7	797.3	807.5	808.6
167.5°	769.0	771.0	773.2	773.7	776.5	780.2	782.1	786.6	795.5	802.2	802.7
170°	776.9	779.0	781.1	781.6	781.8	782.0	782.1	786.6	795.5	802.2	802.2
172.5°	781.1	781.5	782.0	782.1	782.1	782.1	782.1	785.6	792.7	798.0	797.6
175°	786.9	786.9	786.9	786.9	785.3	783.1	782.1	784.3	788.9	792.2	792.2
177.5°	786.9	786.9	786.9	786.9	785.7	784.1	783.2	785.0	788.5	791.2	790.7
180°	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3
2.5°	4700.3	4687.3	4700.3	4691.6	4696.0	4682.9	4643.9	4630.9	4643.9	4657.0	4657.0
5°	4756.6	4748.0	4756.6	4756.6	4752.4	4743.7	4700.3	4691.6	4700.3	4704.6	4696.0
7.5°	4774.0	4761.0	4774.0	4765.4	4765.4	4756.6	4713.3	4704.6	4709.0	4722.0	4709.0
10°	4774.0	4761.0	4774.0	4769.7	4765.4	4756.6	4713.3	4696.0	4696.0	4709.0	4696.0
12.5°	4752.4	4743.7	4752.4	4743.7	4743.7	4734.9	4691.6	4674.3	4678.6	4682.9	4665.6
15°	4717.6	4704.6	4717.6	4709.0	4713.3	4700.3	4652.6	4635.3	4635.3	4643.9	4613.6
17.5°	4665.6	4648.2	4665.6	4661.2	4657.0	4648.2	4604.9	4587.5	4583.3	4587.5	4565.9
20°	4604.9	4591.9	4604.9	4600.6	4600.6	4583.3	4539.9	4518.2	4518.2	4518.2	4496.5
22.5°	4509.5	4496.5	4509.5	4518.2	4518.2	4513.8	4474.8	4444.5	4435.8	4435.8	4409.8
25°	4401.1	4388.1	4401.1	4401.1	4396.8	4401.1	4388.1	4370.7	4357.8	4344.8	4318.7
27.5°	4297.0	4288.4	4297.0	4288.4	4297.0	4284.0	4279.7	4275.3	4258.0	4245.0	4210.3
30°	4193.0	4184.3	4193.0	4184.3	4175.7	4166.9	4145.3	4136.6	4154.0	4145.3	4088.9
32.5°	4062.9	4054.2	4062.9	4062.9	4054.2	4054.2	4019.5	4006.5	4010.9	4036.9	3984.8
35°	3928.5	3915.5	3928.5	3924.1	3928.5	3915.5	3893.8	3889.4	3872.1	3902.4	3863.4
37.5°	3772.3	3759.4	3772.3	3772.3	3772.3	3781.1	3763.7	3750.7	3724.7	3763.7	3733.4
40°	3611.9	3594.6	3611.9	3607.6	3611.9	3620.6	3611.9	3603.3	3577.3	3607.6	3581.6
42.5°	3429.8	3425.5	3429.8	3434.2	3434.2	3451.5	3464.5	3447.2	3438.5	3416.9	3434.2
45°	3234.7	3226.0	3234.7	3243.4	3247.7	3256.4	3295.4	3295.4	3282.4	3247.7	3273.7
47.5°	3026.6	3004.9	3026.6	3052.6	3052.6	3065.6	3104.6	3135.0	3113.3	3069.9	3083.0
50°	2805.5	2809.7	2805.5	2822.8	2822.8	2870.5	2900.8	2931.2	2952.9	2900.8	2840.1
52.5°	2588.6	2584.3	2588.6	2601.7	2619.0	2640.6	2692.7	2723.0	2757.7	2727.4	2632.0
55°	2371.8	2380.5	2371.8	2376.2	2384.8	2397.9	2475.9	2506.3	2571.3	2532.2	2432.6
57.5°	2155.1	2142.0	2155.1	2163.7	2168.0	2181.0	2246.1	2302.5	2341.5	2345.8	2224.4
60°	1903.5	1886.2	1903.5	1942.5	1951.3	1959.9	2020.6	2072.6	2107.3	2120.4	1994.6
62.5°	1682.4	1652.1	1682.4	1708.4	1725.8	1747.5	1790.8	1868.8	1899.2	1903.5	1725.8
65°	1448.3	1435.3	1448.3	1500.3	1504.6	1530.6	1578.3	1634.7	1699.7	1691.1	1435.3
67.5°	1235.8	1235.8	1235.8	1270.4	1296.5	1309.5	1370.2	1396.2	1478.6	1487.3	1196.7
70°	1040.7	1036.3	1040.7	1066.6	1084.0	1114.4	1170.8	1201.1	1266.2	1287.8	971.3
72.5°	854.2	849.9	854.2	875.9	893.2	919.2	967.0	1001.6	1058.0	1084.0	754.5
75°	689.5	680.7	689.5	706.8	702.4	737.1	776.1	810.8	862.8	880.2	559.4
77.5°	529.0	529.0	529.0	546.4	546.4	581.1	598.4	641.7	672.1	698.1	411.9
80°	394.6	390.3	394.6	398.9	398.9	416.3	446.6	476.9	503.0	503.0	281.9
82.5°	277.5	268.8	277.5	277.5	277.5	286.2	303.6	312.2	329.5	342.6	177.7
85°	173.5	173.5	173.5	177.7	173.5	182.1	186.5	195.1	195.1	186.5	108.4
87.5°	112.7	108.4	112.7	108.4	108.4	104.0	104.0	104.0	99.8	95.4	60.7
90°	20.1	20.1	20.1	20.1	20.1	26.7	35.7	40.1	34.5	23.2	14.8
92.5°	80.4	64.4	80.4	96.3	100.4	142.2	198.1	226.0	198.4	143.2	101.9
95°	280.2	231.8	280.2	328.5	340.6	447.3	589.5	660.7	558.0	352.6	198.6
97.5°	671.3	579.4	671.3	763.4	786.4	853.8	943.7	988.7	817.4	475.0	218.1
100°	967.3	857.7	967.3	1076.9	1104.3	1099.3	1092.8	1089.5	899.5	519.5	234.5
102.5°	1258.4	1164.5	1258.4	1352.3	1375.7	1289.8	1175.3	1118.1	925.4	539.9	250.9
105°	1629.6	1579.1	1629.6	1680.0	1692.6	1500.0	1243.3	1114.9	928.3	555.0	275.1
107.5°	1872.7	1884.9	1872.7	1860.5	1857.5	1588.8	1230.6	1051.5	887.0	557.9	311.1
110°	1965.3	2018.0	1965.3	1912.8	1899.7	1599.4	1198.9	998.7	850.4	553.6	331.1



TEST NUMBER: P934525

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1973.7	2054.4	1973.7	1892.9	1872.8	1565.4	1155.5	950.6	818.3	553.8	355.4
115°	1921.4	2033.3	1921.4	1809.4	1781.4	1485.2	1090.5	893.1	781.7	558.9	391.9
117.5°	1810.3	1934.5	1810.3	1686.1	1655.1	1387.9	1031.6	853.4	758.7	569.3	427.2
120°	1721.0	1841.6	1721.0	1600.3	1570.1	1325.9	1000.4	837.6	751.0	577.7	447.8
122.5°	1633.9	1752.8	1633.9	1514.8	1485.1	1265.2	972.0	825.4	746.9	589.9	472.2
125°	1509.6	1619.3	1509.6	1400.0	1372.6	1185.8	936.8	812.3	743.6	606.3	503.3
127.5°	1397.9	1490.4	1397.9	1305.4	1282.3	1121.9	908.1	801.2	741.6	622.7	533.4
130°	1332.1	1417.5	1332.1	1246.6	1225.2	1082.5	892.1	797.0	742.8	634.6	553.5
132.5°	1272.3	1348.8	1272.3	1195.8	1176.6	1048.9	878.5	793.2	743.6	644.4	569.9
135°	1190.5	1256.4	1190.5	1124.5	1108.1	1001.0	858.3	786.9	742.9	654.9	588.8
137.5°	1124.8	1178.8	1124.8	1070.8	1057.3	966.9	846.2	785.9	747.5	670.7	613.2
140°	1079.7	1130.2	1079.7	1029.3	1016.7	938.5	834.2	782.1	748.2	680.4	629.5
142.5°	1042.5	1085.9	1042.5	999.0	988.1	919.5	827.9	782.1	750.9	688.5	641.7
145°	986.4	1019.3	986.4	953.5	945.3	889.2	814.3	776.9	750.9	699.1	660.2
147.5°	943.5	970.7	943.5	916.3	909.5	865.3	806.4	776.9	756.2	714.6	683.4
150°	916.4	938.5	916.4	894.4	888.8	851.5	801.8	776.9	758.8	722.7	695.5
152.5°	893.3	910.0	893.3	876.7	872.5	840.6	798.2	776.9	760.6	728.0	703.5
155°	866.8	877.8	866.8	855.7	852.9	827.6	793.8	776.9	764.4	739.6	720.9
157.5°	845.7	853.4	845.7	838.0	836.0	816.3	790.1	776.9	768.4	751.2	738.3
160°	833.2	837.6	833.2	828.7	827.6	810.7	788.2	776.9	770.1	756.5	746.3
162.5°	824.9	829.2	824.9	820.6	819.6	805.4	786.4	776.9	772.0	762.1	754.7
165°	813.1	817.6	813.1	808.6	807.5	797.3	783.7	776.9	774.7	770.2	766.8
167.5°	804.6	806.5	804.6	802.7	802.2	795.5	786.6	782.1	780.2	776.5	773.7
170°	802.2	802.2	802.2	802.2	802.2	795.5	786.6	782.1	782.0	781.8	781.6
172.5°	796.0	794.3	796.0	797.6	798.0	792.7	785.6	782.1	782.1	782.1	782.1
175°	792.2	792.2	792.2	792.2	792.2	788.9	784.3	782.1	783.1	785.3	786.9
177.5°	788.8	786.9	788.8	790.7	791.2	788.5	785.0	783.2	784.1	785.7	786.9
180°	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9



TEST NUMBER: P934525

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3
2.5°	4648.2	4622.3	4622.3	4578.9	4561.6	4548.6	4526.9	4461.8	4444.5	4427.1	4453.2
5°	4687.3	4639.6	4604.9	4526.9	4461.8	4435.8	4353.4	4197.3	4093.2	4015.2	3971.9
7.5°	4696.0	4635.3	4570.2	4448.8	4292.7	4223.3	3971.9	3685.6	3607.6	3538.2	3494.8
10°	4687.3	4617.9	4526.9	4344.8	3976.1	3854.8	3603.3	3416.9	3369.1	3356.1	3369.1
12.5°	4657.0	4591.9	4466.1	4162.6	3646.6	3564.3	3416.9	3308.4	3299.8	3321.4	3438.5
15°	4604.9	4544.2	4396.8	3919.8	3464.5	3403.8	3299.8	3260.7	3308.4	3460.2	3811.4
17.5°	4552.8	4483.5	4301.4	3681.3	3325.8	3282.4	3208.7	3286.8	3555.6	3759.4	3876.5
20°	4483.5	4401.1	4193.0	3507.9	3226.0	3187.0	3152.3	3503.5	3707.3	3781.1	3846.1
22.5°	4401.1	4314.4	4045.6	3386.4	3122.0	3091.6	3113.3	3624.9	3707.3	3759.4	3815.7
25°	4292.7	4219.0	3872.1	3291.0	3039.6	3004.9	3087.2	3611.9	3659.6	3672.7	3785.4
27.5°	4193.0	4097.6	3690.0	3204.3	2939.8	2926.8	3108.9	3555.6	3590.2	3603.3	3724.7
30°	4071.5	3928.5	3486.2	3113.3	2835.8	2831.4	3113.3	3486.2	3477.5	3512.2	3633.6
32.5°	3945.8	3677.0	3256.4	3000.6	2736.0	2731.8	3083.0	3382.1	3373.5	3421.1	3512.2
35°	3828.7	3481.9	2944.2	2870.5	2610.3	2614.7	3009.3	3260.7	3265.1	3308.4	3364.8
37.5°	3707.3	3312.7	2601.7	2727.4	2488.9	2488.9	2909.5	3148.0	3139.3	3152.3	3230.4
40°	3564.3	3048.2	2298.1	2540.9	2376.2	2363.1	2788.1	3026.6	2996.2	2991.9	3100.3
42.5°	3412.5	2757.7	2072.6	2293.8	2246.1	2228.8	2640.6	2879.2	2822.8	2835.8	2974.5
45°	3247.7	2679.7	1899.2	1938.2	2111.7	2098.7	2480.2	2710.1	2671.0	2705.7	2848.8
47.5°	3083.0	2523.6	1842.9	1608.7	1968.6	1964.2	2302.5	2545.3	2523.6	2558.3	2710.1
50°	2857.5	2350.1	1838.5	1378.9	1808.1	1825.4	2090.0	2384.8	2384.8	2415.2	2575.6
52.5°	2566.9	2137.7	1669.4	1248.8	1621.6	1673.7	1903.5	2246.1	2254.7	2285.1	2428.2
55°	2302.5	1916.6	1547.9	1149.1	1400.5	1513.3	1721.4	2102.9	2120.4	2150.7	2280.8
57.5°	2059.6	1595.7	1522.0	1032.0	1196.7	1305.2	1561.0	1964.2	1973.0	1998.9	2124.6
60°	1799.5	1153.4	1396.2	906.2	1019.0	1101.4	1413.6	1799.5	1829.8	1847.1	1955.5
62.5°	1504.6	836.9	1266.2	819.5	932.3	949.6	1292.1	1643.3	1682.4	1695.4	1760.4
65°	1071.0	702.4	1075.3	745.8	841.2	845.5	1162.0	1482.9	1517.6	1539.3	1587.0
67.5°	724.1	572.4	819.5	676.4	771.8	776.1	1036.3	1296.5	1344.1	1361.6	1391.9
70°	503.0	381.5	607.0	602.7	693.8	702.4	901.9	1127.4	1170.8	1183.7	1201.1
72.5°	368.6	307.8	503.0	542.0	611.4	620.1	763.2	936.6	979.9	992.9	1001.6
75°	281.9	325.2	407.6	472.6	520.3	524.7	624.4	763.2	793.5	802.2	806.5
77.5°	225.5	303.6	299.2	381.5	424.9	416.3	490.0	589.7	615.7	615.7	615.7
80°	169.1	238.5	225.5	273.2	312.2	303.6	351.2	420.6	429.3	437.9	433.6
82.5°	125.7	151.8	151.8	173.5	208.2	199.4	234.1	273.2	273.2	273.2	281.9
85°	78.1	86.7	69.4	91.1	117.1	112.7	130.1	147.4	151.8	151.8	143.1
87.5°	47.7	39.0	21.7	34.7	52.0	52.0	60.7	65.0	60.7	60.7	60.7
90°	13.8	9.5	5.3	9.5	13.8	14.8	23.2	34.5	40.1	35.7	26.7
92.5°	92.9	57.0	21.1	57.0	92.9	101.9	143.2	198.4	226.0	198.1	142.2
95°	182.2	116.4	50.7	116.4	182.2	198.6	352.6	558.0	660.7	589.5	447.3
97.5°	203.6	145.6	87.6	145.6	203.6	218.1	475.0	817.4	988.7	943.7	853.8
100°	221.3	168.8	116.2	168.8	221.3	234.5	519.5	899.5	1089.5	1092.8	1099.3
102.5°	238.6	189.5	140.5	189.5	238.6	250.9	539.9	925.4	1118.1	1175.3	1289.8
105°	264.7	223.2	181.7	223.2	264.7	275.1	555.0	928.3	1114.9	1243.3	1500.0
107.5°	301.4	262.6	224.0	262.6	301.4	311.1	557.9	887.0	1051.5	1230.6	1588.8
110°	322.4	287.4	252.5	287.4	322.4	331.1	553.6	850.4	998.7	1198.9	1599.4



TEST NUMBER: P934525

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	347.0	313.7	280.4	313.7	347.0	355.4	553.8	818.3	950.6	1155.5	1565.4
115°	384.2	353.4	322.7	353.4	384.2	391.9	558.9	781.7	893.1	1090.5	1485.2
117.5°	420.2	392.3	364.4	392.3	420.2	427.2	569.3	758.7	853.4	1031.6	1387.9
120°	441.2	415.0	388.7	415.0	441.2	447.8	577.7	751.0	837.6	1000.4	1325.9
122.5°	465.5	439.0	412.5	439.0	465.5	472.2	589.9	746.9	825.4	972.0	1265.2
125°	497.3	473.1	448.9	473.1	497.3	503.3	606.3	743.6	812.3	936.8	1185.8
127.5°	527.3	502.9	478.5	502.9	527.3	533.4	622.7	741.6	801.2	908.1	1121.9
130°	546.9	520.7	494.4	520.7	546.9	553.5	634.6	742.8	797.0	892.1	1082.5
132.5°	563.3	537.0	510.7	537.0	563.3	569.9	644.4	743.6	793.2	878.5	1048.9
135°	582.9	558.9	535.0	558.9	582.9	588.8	654.9	742.9	786.9	858.3	1001.0
137.5°	607.3	583.5	559.8	583.5	607.3	613.2	670.7	747.5	785.9	846.2	966.9
140°	624.0	602.2	580.4	602.2	624.0	629.5	680.4	748.2	782.1	834.2	938.5
142.5°	636.7	616.4	596.3	616.4	636.7	641.7	688.5	750.9	782.1	827.9	919.5
145°	655.7	638.1	620.5	638.1	655.7	660.2	699.1	750.9	776.9	814.3	889.2
147.5°	679.1	661.9	644.9	661.9	679.1	683.4	714.6	756.2	776.9	806.4	865.3
150°	691.7	676.1	660.7	676.1	691.7	695.5	722.7	758.8	776.9	801.8	851.5
152.5°	700.6	688.8	677.1	688.8	700.6	703.5	728.0	760.6	776.9	798.2	840.6
155°	718.7	710.0	701.3	710.0	718.7	720.9	739.6	764.4	776.9	793.8	827.6
157.5°	736.2	727.8	719.3	727.8	736.2	738.3	751.2	768.4	776.9	790.1	816.3
160°	744.6	738.1	731.5	738.1	744.6	746.3	756.5	770.1	776.9	788.2	810.7
162.5°	753.5	748.6	743.6	748.6	753.5	754.7	762.1	772.0	776.9	786.4	805.4
165°	765.7	761.3	756.8	761.3	765.7	766.8	770.2	774.7	776.9	783.7	797.3
167.5°	773.2	771.0	769.0	771.0	773.2	773.7	776.5	780.2	782.1	786.6	795.5
170°	781.1	779.0	776.9	779.0	781.1	781.6	781.8	782.0	782.1	786.6	795.5
172.5°	782.0	781.5	781.1	781.5	782.0	782.1	782.1	782.1	782.1	785.6	792.7
175°	786.9	786.9	786.9	786.9	786.9	786.9	785.3	783.1	782.1	784.3	788.9
177.5°	786.9	786.9	786.9	786.9	786.9	786.9	785.7	784.1	783.2	785.0	788.5
180°	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9



TEST NUMBER: P934525
 CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3
2.5°	4422.8	4409.8	4427.1	4379.5	4427.1	4409.8	4422.8	4453.2	4427.1	4444.5	4461.8
5°	3880.8	3859.1	3789.7	3733.4	3789.7	3859.1	3880.8	3971.9	4015.2	4093.2	4197.3
7.5°	3468.9	3451.5	3434.2	3399.5	3434.2	3451.5	3468.9	3494.8	3538.2	3607.6	3685.6
10°	3377.8	3382.1	3408.1	3403.8	3408.1	3382.1	3377.8	3369.1	3356.1	3369.1	3416.9
12.5°	3611.9	3651.0	3794.0	3785.4	3794.0	3651.0	3611.9	3438.5	3321.4	3299.8	3308.4
15°	3880.8	3893.8	3924.1	3928.5	3924.1	3893.8	3880.8	3811.4	3460.2	3308.4	3260.7
17.5°	3906.8	3911.1	3932.8	3932.8	3932.8	3911.1	3906.8	3876.5	3759.4	3555.6	3286.8
20°	3885.1	3893.8	3937.2	3945.8	3937.2	3893.8	3885.1	3846.1	3781.1	3707.3	3503.5
22.5°	3876.5	3893.8	3928.5	3924.1	3928.5	3893.8	3876.5	3815.7	3759.4	3707.3	3624.9
25°	3833.1	3833.1	3837.4	3841.8	3837.4	3833.1	3833.1	3785.4	3672.7	3659.6	3611.9
27.5°	3742.0	3750.7	3776.7	3772.3	3776.7	3750.7	3742.0	3724.7	3603.3	3590.2	3555.6
30°	3659.6	3651.0	3629.3	3611.9	3629.3	3651.0	3659.6	3633.6	3512.2	3477.5	3486.2
32.5°	3520.9	3499.2	3477.5	3464.5	3477.5	3499.2	3520.9	3512.2	3421.1	3373.5	3382.1
35°	3356.1	3360.5	3356.1	3343.1	3356.1	3360.5	3356.1	3364.8	3308.4	3265.1	3260.7
37.5°	3239.0	3247.7	3243.4	3226.0	3243.4	3247.7	3239.0	3230.4	3152.3	3139.3	3148.0
40°	3117.7	3122.0	3117.7	3104.6	3117.7	3122.0	3117.7	3100.3	2991.9	2996.2	3026.6
42.5°	3000.6	2996.2	2983.2	2974.5	2983.2	2996.2	3000.6	2974.5	2835.8	2822.8	2879.2
45°	2866.1	2870.5	2844.4	2831.4	2844.4	2870.5	2866.1	2848.8	2705.7	2671.0	2710.1
47.5°	2731.8	2731.8	2710.1	2697.0	2710.1	2731.8	2731.8	2710.1	2558.3	2523.6	2545.3
50°	2588.6	2584.3	2553.9	2549.6	2553.9	2584.3	2588.6	2575.6	2415.2	2384.8	2384.8
52.5°	2423.8	2423.8	2428.2	2436.8	2428.2	2423.8	2423.8	2428.2	2285.1	2254.7	2246.1
55°	2280.8	2285.1	2315.5	2324.2	2315.5	2285.1	2280.8	2280.8	2150.7	2120.4	2102.9
57.5°	2133.4	2133.4	2155.1	2155.1	2155.1	2133.4	2133.4	2124.6	1998.9	1973.0	1964.2
60°	1964.2	1973.0	1990.3	1985.9	1990.3	1973.0	1964.2	1955.5	1847.1	1829.8	1799.5
62.5°	1786.5	1795.1	1799.5	1790.8	1799.5	1795.1	1786.5	1760.4	1695.4	1682.4	1643.3
65°	1600.0	1608.7	1613.0	1604.3	1613.0	1608.7	1600.0	1587.0	1539.3	1517.6	1482.9
67.5°	1409.2	1404.9	1400.5	1417.9	1400.5	1404.9	1409.2	1391.9	1361.6	1344.1	1296.5
70°	1214.1	1214.1	1209.8	1218.4	1209.8	1214.1	1214.1	1201.1	1183.7	1170.8	1127.4
72.5°	1006.0	1001.6	1019.0	1006.0	1019.0	1001.6	1006.0	1001.6	992.9	979.9	936.6
75°	802.2	810.8	802.2	815.2	802.2	810.8	802.2	806.5	802.2	793.5	763.2
77.5°	611.4	620.1	611.4	611.4	611.4	620.1	611.4	615.7	615.7	615.7	589.7
80°	433.6	429.3	429.3	424.9	429.3	429.3	433.6	433.6	437.9	429.3	420.6
82.5°	277.5	273.2	273.2	281.9	273.2	273.2	277.5	281.9	273.2	273.2	273.2
85°	151.8	156.1	147.4	147.4	147.4	156.1	151.8	143.1	151.8	151.8	147.4
87.5°	56.4	52.0	52.0	52.0	52.0	52.0	56.4	60.7	60.7	60.7	65.0
90°	20.1	20.1	20.1	20.1	20.1	20.1	20.1	26.7	35.7	40.1	34.5
92.5°	100.4	96.3	80.4	64.4	80.4	96.3	100.4	142.2	198.1	226.0	198.4
95°	340.6	328.5	280.2	231.8	280.2	328.5	340.6	447.3	589.5	660.7	558.0
97.5°	786.4	763.4	671.3	579.4	671.3	763.4	786.4	853.8	943.7	988.7	817.4
100°	1104.3	1076.9	967.3	857.7	967.3	1076.9	1104.3	1099.3	1092.8	1089.5	899.5
102.5°	1375.7	1352.3	1258.4	1164.5	1258.4	1352.3	1375.7	1289.8	1175.3	1118.1	925.4
105°	1692.6	1680.0	1629.6	1579.1	1629.6	1680.0	1692.6	1500.0	1243.3	1114.9	928.3
107.5°	1857.5	1860.5	1872.7	1884.9	1872.7	1860.5	1857.5	1588.8	1230.6	1051.5	887.0
110°	1899.7	1912.8	1965.3	2018.0	1965.3	1912.8	1899.7	1599.4	1198.9	998.7	850.4



TEST NUMBER: P934525

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1872.8	1892.9	1973.7	2054.4	1973.7	1892.9	1872.8	1565.4	1155.5	950.6	818.3
115°	1781.4	1809.4	1921.4	2033.3	1921.4	1809.4	1781.4	1485.2	1090.5	893.1	781.7
117.5°	1655.1	1686.1	1810.3	1934.5	1810.3	1686.1	1655.1	1387.9	1031.6	853.4	758.7
120°	1570.1	1600.3	1721.0	1841.6	1721.0	1600.3	1570.1	1325.9	1000.4	837.6	751.0
122.5°	1485.1	1514.8	1633.9	1752.8	1633.9	1514.8	1485.1	1265.2	972.0	825.4	746.9
125°	1372.6	1400.0	1509.6	1619.3	1509.6	1400.0	1372.6	1185.8	936.8	812.3	743.6
127.5°	1282.3	1305.4	1397.9	1490.4	1397.9	1305.4	1282.3	1121.9	908.1	801.2	741.6
130°	1225.2	1246.6	1332.1	1417.5	1332.1	1246.6	1225.2	1082.5	892.1	797.0	742.8
132.5°	1176.6	1195.8	1272.3	1348.8	1272.3	1195.8	1176.6	1048.9	878.5	793.2	743.6
135°	1108.1	1124.5	1190.5	1256.4	1190.5	1124.5	1108.1	1001.0	858.3	786.9	742.9
137.5°	1057.3	1070.8	1124.8	1178.8	1124.8	1070.8	1057.3	966.9	846.2	785.9	747.5
140°	1016.7	1029.3	1079.7	1130.2	1079.7	1029.3	1016.7	938.5	834.2	782.1	748.2
142.5°	988.1	999.0	1042.5	1085.9	1042.5	999.0	988.1	919.5	827.9	782.1	750.9
145°	945.3	953.5	986.4	1019.3	986.4	953.5	945.3	889.2	814.3	776.9	750.9
147.5°	909.5	916.3	943.5	970.7	943.5	916.3	909.5	865.3	806.4	776.9	756.2
150°	888.8	894.4	916.4	938.5	916.4	894.4	888.8	851.5	801.8	776.9	758.8
152.5°	872.5	876.7	893.3	910.0	893.3	876.7	872.5	840.6	798.2	776.9	760.6
155°	852.9	855.7	866.8	877.8	866.8	855.7	852.9	827.6	793.8	776.9	764.4
157.5°	836.0	838.0	845.7	853.4	845.7	838.0	836.0	816.3	790.1	776.9	768.4
160°	827.6	828.7	833.2	837.6	833.2	828.7	827.6	810.7	788.2	776.9	770.1
162.5°	819.6	820.6	824.9	829.2	824.9	820.6	819.6	805.4	786.4	776.9	772.0
165°	807.5	808.6	813.1	817.6	813.1	808.6	807.5	797.3	783.7	776.9	774.7
167.5°	802.2	802.7	804.6	806.5	804.6	802.7	802.2	795.5	786.6	782.1	780.2
170°	802.2	802.2	802.2	802.2	802.2	802.2	802.2	795.5	786.6	782.1	782.0
172.5°	798.0	797.6	796.0	794.3	796.0	797.6	798.0	792.7	785.6	782.1	782.1
175°	792.2	792.2	792.2	792.2	792.2	792.2	792.2	788.9	784.3	782.1	783.1
177.5°	791.2	790.7	788.8	786.9	788.8	790.7	791.2	788.5	785.0	783.2	784.1
180°	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4583.3	4583.3	4583.3	4583.3	4583.3
2.5°	4526.9	4548.6	4561.6	4578.9	4622.3
5°	4353.4	4435.8	4461.8	4526.9	4604.9
7.5°	3971.9	4223.3	4292.7	4448.8	4570.2
10°	3603.3	3854.8	3976.1	4344.8	4526.9
12.5°	3416.9	3564.3	3646.6	4162.6	4466.1
15°	3299.8	3403.8	3464.5	3919.8	4396.8
17.5°	3208.7	3282.4	3325.8	3681.3	4301.4
20°	3152.3	3187.0	3226.0	3507.9	4193.0
22.5°	3113.3	3091.6	3122.0	3386.4	4045.6
25°	3087.2	3004.9	3039.6	3291.0	3872.1
27.5°	3108.9	2926.8	2939.8	3204.3	3690.0
30°	3113.3	2831.4	2835.8	3113.3	3486.2
32.5°	3083.0	2731.8	2736.0	3000.6	3256.4
35°	3009.3	2614.7	2610.3	2870.5	2944.2
37.5°	2909.5	2488.9	2488.9	2727.4	2601.7
40°	2788.1	2363.1	2376.2	2540.9	2298.1
42.5°	2640.6	2228.8	2246.1	2293.8	2072.6
45°	2480.2	2098.7	2111.7	1938.2	1899.2
47.5°	2302.5	1964.2	1968.6	1608.7	1842.9
50°	2090.0	1825.4	1808.1	1378.9	1838.5
52.5°	1903.5	1673.7	1621.6	1248.8	1669.4
55°	1721.4	1513.3	1400.5	1149.1	1547.9
57.5°	1561.0	1305.2	1196.7	1032.0	1522.0
60°	1413.6	1101.4	1019.0	906.2	1396.2
62.5°	1292.1	949.6	932.3	819.5	1266.2
65°	1162.0	845.5	841.2	745.8	1075.3
67.5°	1036.3	776.1	771.8	676.4	819.5
70°	901.9	702.4	693.8	602.7	607.0
72.5°	763.2	620.1	611.4	542.0	503.0
75°	624.4	524.7	520.3	472.6	407.6
77.5°	490.0	416.3	424.9	381.5	299.2
80°	351.2	303.6	312.2	273.2	225.5
82.5°	234.1	199.4	208.2	173.5	151.8
85°	130.1	112.7	117.1	91.1	69.4
87.5°	60.7	52.0	52.0	34.7	21.7
90°	23.2	14.8	13.8	9.5	5.3
92.5°	143.2	101.9	92.9	57.0	21.1
95°	352.6	198.6	182.2	116.4	50.7
97.5°	475.0	218.1	203.6	145.6	87.6
100°	519.5	234.5	221.3	168.8	116.2
102.5°	539.9	250.9	238.6	189.5	140.5
105°	555.0	275.1	264.7	223.2	181.7
107.5°	557.9	311.1	301.4	262.6	224.0
110°	553.6	331.1	322.4	287.4	252.5



TEST NUMBER: P934525

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	553.8	355.4	347.0	313.7	280.4
115°	558.9	391.9	384.2	353.4	322.7
117.5°	569.3	427.2	420.2	392.3	364.4
120°	577.7	447.8	441.2	415.0	388.7
122.5°	589.9	472.2	465.5	439.0	412.5
125°	606.3	503.3	497.3	473.1	448.9
127.5°	622.7	533.4	527.3	502.9	478.5
130°	634.6	553.5	546.9	520.7	494.4
132.5°	644.4	569.9	563.3	537.0	510.7
135°	654.9	588.8	582.9	558.9	535.0
137.5°	670.7	613.2	607.3	583.5	559.8
140°	680.4	629.5	624.0	602.2	580.4
142.5°	688.5	641.7	636.7	616.4	596.3
145°	699.1	660.2	655.7	638.1	620.5
147.5°	714.6	683.4	679.1	661.9	644.9
150°	722.7	695.5	691.7	676.1	660.7
152.5°	728.0	703.5	700.6	688.8	677.1
155°	739.6	720.9	718.7	710.0	701.3
157.5°	751.2	738.3	736.2	727.8	719.3
160°	756.5	746.3	744.6	738.1	731.5
162.5°	762.1	754.7	753.5	748.6	743.6
165°	770.2	766.8	765.7	761.3	756.8
167.5°	776.5	773.7	773.2	771.0	769.0
170°	781.8	781.6	781.1	779.0	776.9
172.5°	782.1	782.1	782.0	781.5	781.1
175°	785.3	786.9	786.9	786.9	786.9
177.5°	785.7	786.9	786.9	786.9	786.9
180°	786.9	786.9	786.9	786.9	786.9



TEST NUMBER: P934525
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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	15.69	16.77	16.46	17.55	18.51	18.54	19.62	19.31	20.40	21.36
	3H	16.18	17.15	16.96	17.95	18.93	19.91	20.88	20.69	21.67	22.66
	4H	16.39	17.30	17.18	18.10	19.10	20.37	21.28	21.17	22.09	23.08
	6H	16.52	17.35	17.32	18.17	19.18	20.67	21.51	21.48	22.32	23.33
	8H	16.52	17.32	17.34	18.15	19.17	20.75	21.55	21.57	22.39	23.40
	12H	16.50	17.26	17.32	18.09	19.13	20.80	21.57	21.63	22.39	23.43
4H	2H	16.75	17.66	17.55	18.47	19.47	18.98	19.89	19.78	20.69	21.69
	3H	17.80	18.56	18.61	19.40	20.41	20.51	21.27	21.32	22.11	23.12
	4H	18.09	18.78	18.91	19.61	20.65	21.05	21.74	21.88	22.58	23.62
	6H	18.22	18.82	19.07	19.68	20.73	21.43	22.03	22.28	22.89	23.94
	8H	18.23	18.79	19.08	19.65	20.71	21.55	22.11	22.39	22.96	24.02
	12H	18.21	18.71	19.08	19.59	20.65	21.62	22.12	22.48	23.00	24.06
8H	4H	18.56	19.12	19.41	19.98	21.03	21.19	21.75	22.04	22.61	23.66
	6H	18.83	19.29	19.71	20.19	21.25	21.64	22.10	22.52	23.00	24.06
	8H	18.88	19.29	19.76	20.18	21.25	21.80	22.21	22.68	23.10	24.18
	12H	18.87	19.23	19.76	20.12	21.24	21.91	22.27	22.80	23.16	24.29
12H	4H	18.58	19.08	19.44	19.96	21.02	21.17	21.67	22.03	22.55	23.61
	6H	18.89	19.31	19.78	20.20	21.27	21.64	22.05	22.53	22.95	24.02
	8H	18.97	19.33	19.86	20.22	21.35	21.82	22.18	22.70	23.06	24.19