

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: P934980

Luminaire Tested: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934980
REPORT IS A COMBINATION OF REPORTS P933717 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

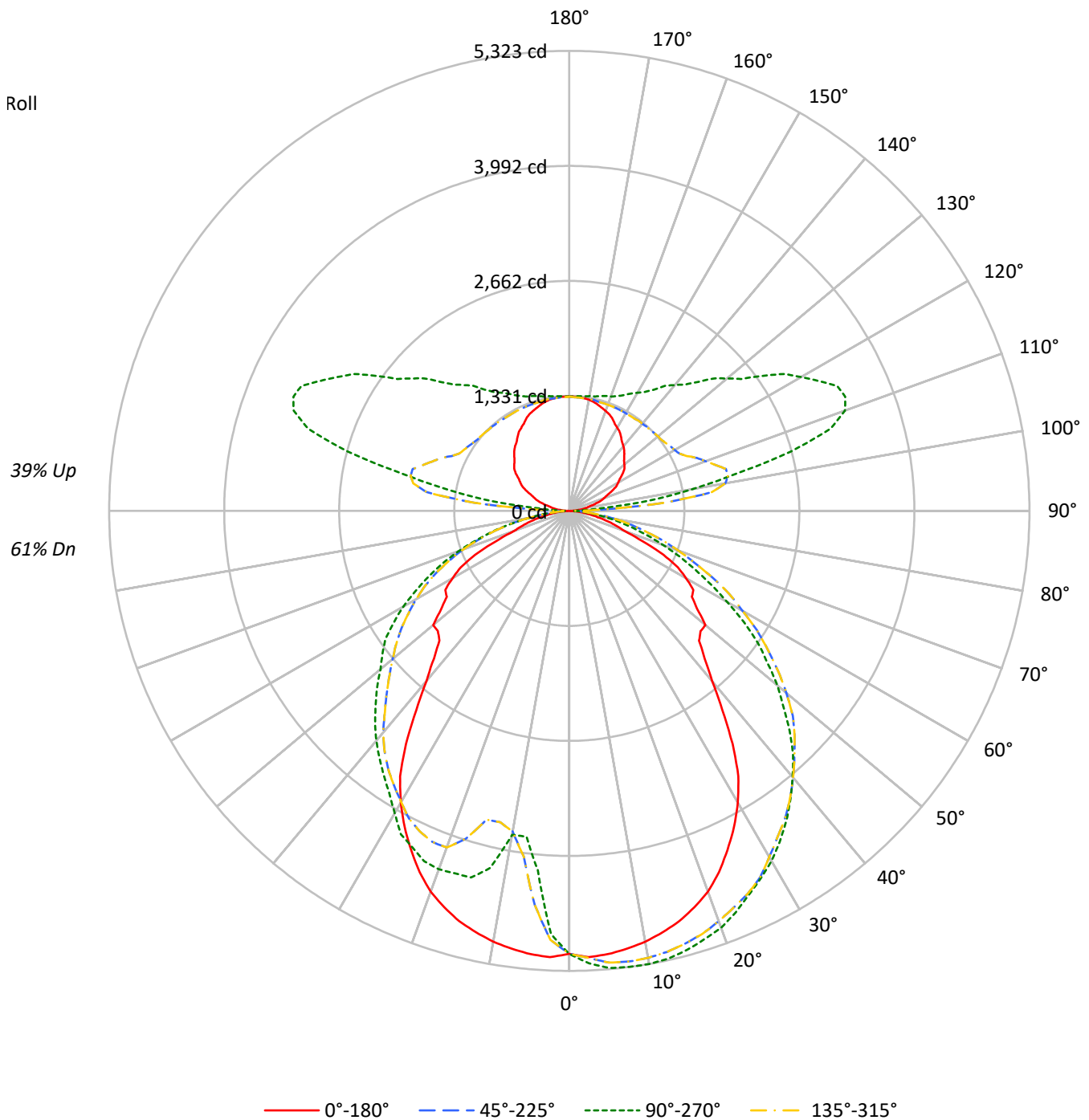
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21870.4 lumens
Efficiency: N/A
Efficacy: 117.6 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): 186
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

TEST NUMBER: P934980
CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-4000K

Luminous Intensity Polar Plot



TEST NUMBER: P934980

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					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	110	110	110	110		103	103	103	103		89	89	89		77	77	77				66	66	66		66	66	66		61	
1	100	96	92	88		94	90	86	83		79	76	74		68	66	65				59	57	56		59	57	56		51	
2	91	84	78	72		85	79	73	68		69	65	61		60	57	54				52	49	47		52	49	47		43	
3	83	74	66	60		78	69	63	57		61	56	51		53	49	46				46	43	40		46	43	40		36	
4	76	65	57	51		71	61	54	49		54	48	44		47	43	39				41	37	35		41	37	35		31	
5	70	58	50	44		65	55	47	42		48	42	38		42	38	34				37	33	30		37	33	30		27	
6	65	52	44	38		60	49	42	36		44	37	33		38	33	30				33	29	26		33	29	26		24	
7	60	47	39	33		56	45	37	32		39	33	29		35	30	26				30	26	23		30	26	23		21	
8	55	43	35	29		52	40	33	28		36	30	26		32	27	23				28	24	21		28	24	21		19	
9	52	39	31	26		48	37	30	25		33	27	23		29	24	21				26	22	19		26	22	19		17	
10	48	36	29	24		45	34	27	23		30	25	21		27	22	19				24	20	17		24	20	17		15	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15850	15850	15850	15850
5°	15975	16000	15975	12581
10°	15874	15761	15874	11268
15°	15707	15419	15707	12876
20°	15385	15015	15385	12902
25°	14718	14425	14718	12629
30°	13855	13935	13855	12029
35°	12358	13316	12358	11369
40°	10303	12586	10303	10870
45°	9212	11732	9212	10297
50°	9794	10714	9794	9722
55°	9223	9617	9223	9390
60°	9520	8168	9520	8600
65°	8645	6752	8645	7547
70°	6000	5381	6000	6326
75°	5282	3977	5282	4763
80°	4288	2629	4288	2863
85°	2511	1393	2511	1184

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 14110 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.6	2.1
10°-20°	1313.4	6.0
20°-30°	2030.3	9.3
30°-40°	2423.7	11.1
40°-50°	2437.9	11.1
50°-60°	2121.3	9.7
60°-70°	1504.0	6.9
70°-80°	795.7	3.6
80°-90°	203.2	0.9
90°-100°	645.1	2.9
100°-110°	1695.9	7.8
110°-120°	1758.4	8.0
120°-130°	1410.5	6.4
130°-140°	1106.7	5.1
140°-150°	849.4	3.9
150°-160°	611.7	2.8
160°-170°	374.3	1.7
170°-180°	126.5	0.6
0°-30°	3806.2	17.4
0°-40°	6229.9	28.5
0°-60°	10789.0	49.3
0°-90°	13292.0	60.8
90°-120°	4099.3	18.7
90°-150°	7466.0	34.1
90°-180°	8578.0	39.2
0°-180°	21870.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5124	5124	5124	5124	5124	
5°	5149	5309	5149	4174	5149	488
15°	4916	5260	4916	4392	4916	1383
25°	4329	4906	4329	4296	4329	1988
35°	3292	4378	3292	3738	3292	2037
45°	2123	3607	2123	3166	2123	1701
55°	1731	2662	1731	2599	1731	1590
65°	1202	1605	1202	1794	1202	1149
75°	456	761	456	912	456	479
85°	78	194	78	165	78	105
90°	9	34	9	34	9	11
95°	85	390	85	390	85	95
105°	306	2656	306	2656	306	324
115°	543	3419	543	3419	543	536
125°	755	2723	755	2723	755	670
135°	900	2113	900	2113	900	696
145°	1044	1714	1044	1714	1044	654
155°	1179	1476	1179	1476	1179	542
165°	1273	1375	1273	1375	1273	359
175°	1323	1332	1323	1332	1323	126
180°	1323	1323	1323	1323	1323	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	5168.2	5168.2	5197.2	5206.9	5206.9	5192.3	5177.8	5192.3	5236.0	5250.6	5245.7
5°	5148.7	5187.6	5240.8	5250.6	5260.2	5255.4	5245.7	5255.4	5303.9	5313.6	5318.4
7.5°	5109.9	5182.7	5250.6	5265.1	5279.6	5265.1	5260.2	5270.0	5318.4	5328.1	5328.1
10°	5061.5	5163.3	5240.8	5250.6	5265.1	5250.6	5250.6	5270.0	5318.4	5328.1	5333.0
12.5°	4993.6	5134.2	5206.9	5216.6	5236.0	5231.1	5226.3	5245.7	5294.1	5303.9	5303.9
15°	4916.1	5080.9	5148.7	5158.4	5192.3	5182.7	5182.7	5202.1	5255.4	5270.0	5265.1
17.5°	4809.4	5013.0	5090.5	5105.1	5129.3	5124.5	5129.3	5148.7	5197.2	5206.9	5211.7
20°	4688.2	4920.8	5013.0	5027.5	5051.8	5051.8	5051.8	5076.0	5124.5	5143.9	5143.9
22.5°	4523.4	4823.9	4920.8	4930.6	4959.7	4959.7	4969.3	5003.2	5046.9	5051.8	5051.8
25°	4329.4	4717.2	4799.6	4828.8	4857.9	4872.4	4886.9	4906.3	4920.8	4916.1	4920.8
27.5°	4125.8	4581.5	4688.2	4707.6	4746.3	4760.9	4780.3	4785.1	4790.0	4804.5	4794.9
30°	3897.9	4392.4	4552.4	4571.8	4634.8	4644.5	4625.2	4634.8	4659.1	4668.8	4678.4
32.5°	3640.9	4111.3	4411.8	4455.5	4513.6	4484.6	4479.7	4494.2	4533.0	4533.0	4542.7
35°	3291.9	3893.1	4280.9	4319.7	4363.3	4329.4	4348.8	4353.7	4377.9	4392.4	4387.6
37.5°	2908.9	3704.0	4145.2	4174.3	4208.2	4164.6	4193.7	4208.2	4227.6	4217.9	4217.9
40°	2569.5	3408.2	3985.2	4004.6	4033.6	3999.7	4028.9	4038.5	4048.2	4038.5	4033.6
42.5°	2317.4	3083.4	3815.5	3839.8	3820.4	3844.5	3854.3	3873.7	3859.2	3839.8	3839.8
45°	2123.4	2996.1	3631.3	3660.3	3631.3	3670.1	3684.6	3684.6	3640.9	3631.3	3626.4
47.5°	2060.5	2821.6	3447.1	3447.1	3432.5	3481.0	3505.2	3471.2	3427.7	3413.1	3413.1
50°	2055.6	2627.7	3195.0	3175.6	3243.4	3301.6	3277.4	3243.4	3209.5	3156.2	3156.2
52.5°	1866.5	2390.2	2870.1	2942.8	3049.5	3083.4	3044.6	3010.7	2952.5	2928.3	2908.9
55°	1730.7	2142.9	2574.4	2719.8	2831.3	2874.9	2802.3	2768.3	2681.1	2666.5	2656.8
57.5°	1701.7	1784.1	2302.9	2487.1	2622.8	2618.0	2574.4	2511.4	2438.6	2424.1	2419.2
60°	1561.1	1289.6	2012.0	2230.1	2370.8	2356.2	2317.4	2259.2	2191.3	2181.7	2172.0
62.5°	1415.7	935.7	1682.3	1929.6	2128.3	2123.4	2089.5	2002.3	1953.8	1929.6	1910.2
65°	1202.3	785.4	1197.5	1604.8	1890.8	1900.4	1827.8	1764.7	1711.4	1682.3	1677.5
67.5°	916.3	639.9	809.6	1338.1	1662.9	1653.2	1561.1	1532.0	1464.1	1449.6	1420.5
70°	678.7	426.6	562.4	1086.0	1439.9	1415.7	1342.9	1309.0	1246.0	1212.0	1192.6
72.5°	562.4	344.2	412.1	843.6	1212.0	1183.0	1119.9	1081.2	1027.8	998.7	979.4
75°	455.7	363.6	315.2	625.4	984.1	964.7	906.6	867.8	824.2	785.4	790.3
77.5°	334.5	339.4	252.1	460.6	780.5	751.5	717.5	669.1	649.7	610.9	610.9
80°	252.1	266.6	189.1	315.2	562.4	562.4	533.3	499.4	465.5	446.0	446.0
82.5°	169.7	169.7	140.6	198.7	383.1	368.4	349.1	339.4	320.0	310.3	310.3
85°	77.5	96.9	87.3	121.2	208.5	218.1	218.1	208.5	203.6	194.0	198.7
87.5°	24.3	43.6	53.3	67.9	106.7	111.5	116.3	116.3	116.3	121.2	121.2
90°	8.9	15.9	23.0	24.8	39.1	58.1	67.5	60.0	45.0	33.7	33.7
92.5°	35.5	95.9	156.3	171.4	240.9	333.7	380.1	333.1	239.2	168.7	162.1
95°	85.3	195.8	306.4	334.0	593.0	938.4	1111.0	991.5	752.3	572.8	552.5
97.5°	147.5	245.0	342.5	366.8	798.8	1374.6	1662.6	1586.9	1435.7	1322.4	1283.7
100°	195.4	283.8	372.3	394.3	873.6	1512.6	1832.2	1837.7	1848.8	1857.1	1811.0
102.5°	236.3	318.8	401.2	421.8	907.9	1556.1	1880.2	1976.5	2169.1	2313.6	2274.1
105°	305.5	375.4	445.2	462.7	933.4	1561.0	1874.9	2090.8	2522.6	2846.5	2825.3
107.5°	376.6	441.7	506.8	523.1	938.2	1491.6	1768.3	2069.5	2671.8	3123.5	3128.7
110°	424.5	483.3	542.2	556.9	931.0	1430.0	1679.5	2016.2	2689.6	3194.6	3216.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	471.6	527.6	583.7	597.7	931.4	1376.3	1598.7	1943.2	2632.5	3149.3	3183.2
115°	542.6	594.3	646.1	658.9	939.9	1314.6	1501.8	1833.8	2497.7	2995.6	3042.7
117.5°	612.8	659.8	706.7	718.4	957.4	1275.9	1435.2	1734.8	2333.9	2783.3	2835.6
120°	653.7	697.9	742.0	753.1	971.6	1262.9	1408.5	1682.2	2229.7	2640.4	2691.1
122.5°	693.6	738.2	782.8	794.0	992.1	1256.1	1388.1	1634.6	2127.6	2497.4	2547.5
125°	754.9	795.6	836.3	846.4	1019.6	1250.5	1365.9	1575.4	1994.1	2308.2	2354.4
127.5°	804.7	845.7	886.8	897.0	1047.2	1247.2	1347.3	1527.1	1886.7	2156.4	2195.3
130°	831.3	875.5	919.7	930.7	1067.2	1249.1	1340.2	1500.2	1820.3	2060.4	2096.3
132.5°	858.8	903.0	947.2	958.2	1083.4	1250.5	1333.9	1477.2	1763.8	1978.8	2010.9
135°	899.7	939.9	980.2	990.2	1101.3	1249.3	1323.3	1443.3	1683.3	1863.3	1891.0
137.5°	941.4	981.3	1021.2	1031.1	1128.0	1257.0	1321.5	1423.0	1625.9	1778.0	1800.7
140°	976.0	1012.7	1049.4	1058.6	1144.2	1258.3	1315.3	1403.0	1578.2	1709.6	1730.8
142.5°	1002.7	1036.7	1070.6	1079.1	1157.8	1262.8	1315.3	1392.3	1546.2	1661.7	1679.9
145°	1043.5	1073.1	1102.7	1110.2	1175.6	1262.8	1306.4	1369.4	1495.3	1589.8	1603.6
147.5°	1084.4	1113.2	1142.1	1149.2	1201.7	1271.5	1306.4	1356.0	1455.0	1529.3	1540.8
150°	1111.0	1137.1	1163.2	1169.7	1215.2	1276.1	1306.4	1348.3	1431.9	1494.7	1503.9
152.5°	1138.6	1158.3	1178.0	1183.0	1224.1	1279.0	1306.4	1342.2	1413.6	1467.2	1474.1
155°	1179.4	1194.0	1208.6	1212.3	1243.7	1285.5	1306.4	1334.9	1391.7	1434.3	1439.0
157.5°	1209.6	1223.8	1238.1	1241.6	1263.2	1292.0	1306.4	1328.5	1372.7	1405.9	1409.1
160°	1230.0	1241.1	1252.2	1255.0	1272.2	1295.0	1306.4	1325.3	1363.3	1391.7	1393.6
162.5°	1250.5	1258.8	1267.0	1269.1	1281.5	1298.1	1306.4	1322.4	1354.4	1378.4	1380.2
165°	1272.7	1280.2	1287.6	1289.5	1295.2	1302.7	1306.4	1317.9	1340.7	1357.9	1359.8
167.5°	1293.1	1296.6	1300.2	1301.1	1305.9	1312.2	1315.3	1322.8	1337.8	1349.0	1349.8
170°	1306.4	1310.0	1313.6	1314.5	1314.7	1315.1	1315.3	1322.8	1337.8	1349.0	1349.0
172.5°	1313.5	1314.3	1315.1	1315.3	1315.3	1315.3	1315.3	1321.2	1333.1	1342.0	1341.3
175°	1323.3	1323.3	1323.3	1323.3	1320.7	1317.1	1315.3	1319.0	1326.6	1332.2	1332.2
177.5°	1323.3	1323.3	1323.3	1323.3	1321.2	1318.5	1317.1	1320.1	1326.0	1330.4	1329.6
180°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	5255.4	5240.8	5255.4	5245.7	5250.6	5236.0	5192.3	5177.8	5192.3	5206.9	5206.9
5°	5318.4	5308.7	5318.4	5318.4	5313.6	5303.9	5255.4	5245.7	5255.4	5260.2	5250.6
7.5°	5337.8	5323.3	5337.8	5328.1	5328.1	5318.4	5270.0	5260.2	5265.1	5279.6	5265.1
10°	5337.8	5323.3	5337.8	5333.0	5328.1	5318.4	5270.0	5250.6	5250.6	5265.1	5250.6
12.5°	5313.6	5303.9	5313.6	5303.9	5303.9	5294.1	5245.7	5226.3	5231.1	5236.0	5216.6
15°	5274.8	5260.2	5274.8	5265.1	5270.0	5255.4	5202.1	5182.7	5182.7	5192.3	5158.4
17.5°	5216.6	5197.2	5216.6	5211.7	5206.9	5197.2	5148.7	5129.3	5124.5	5129.3	5105.1
20°	5148.7	5134.2	5148.7	5143.9	5143.9	5124.5	5076.0	5051.8	5051.8	5051.8	5027.5
22.5°	5042.1	5027.5	5042.1	5051.8	5051.8	5046.9	5003.2	4969.3	4959.7	4959.7	4930.6
25°	4920.8	4906.3	4920.8	4920.8	4916.1	4920.8	4906.3	4886.9	4872.4	4857.9	4828.8
27.5°	4804.5	4794.9	4804.5	4794.9	4804.5	4790.0	4785.1	4780.3	4760.9	4746.3	4707.6
30°	4688.2	4678.4	4688.2	4678.4	4668.8	4659.1	4634.8	4625.2	4644.5	4634.8	4571.8
32.5°	4542.7	4533.0	4542.7	4542.7	4533.0	4533.0	4494.2	4479.7	4484.6	4513.6	4455.5
35°	4392.4	4377.9	4392.4	4387.6	4392.4	4377.9	4353.7	4348.8	4329.4	4363.3	4319.7
37.5°	4217.9	4203.3	4217.9	4217.9	4217.9	4227.6	4208.2	4193.7	4164.6	4208.2	4174.3
40°	4038.5	4019.1	4038.5	4033.6	4038.5	4048.2	4038.5	4028.9	3999.7	4033.6	4004.6
42.5°	3834.9	3830.0	3834.9	3839.8	3839.8	3859.2	3873.7	3854.3	3844.5	3820.4	3839.8
45°	3616.7	3607.0	3616.7	3626.4	3631.3	3640.9	3684.6	3684.6	3670.1	3631.3	3660.3
47.5°	3384.0	3359.8	3384.0	3413.1	3413.1	3427.7	3471.2	3505.2	3481.0	3432.5	3447.1
50°	3136.8	3141.6	3136.8	3156.2	3156.2	3209.5	3243.4	3277.4	3301.6	3243.4	3175.6
52.5°	2894.3	2889.5	2894.3	2908.9	2928.3	2952.5	3010.7	3044.6	3083.4	3049.5	2942.8
55°	2651.9	2661.7	2651.9	2656.8	2666.5	2681.1	2768.3	2802.3	2874.9	2831.3	2719.8
57.5°	2409.6	2394.9	2409.6	2419.2	2424.1	2438.6	2511.4	2574.4	2618.0	2622.8	2487.1
60°	2128.3	2108.9	2128.3	2172.0	2181.7	2191.3	2259.2	2317.4	2356.2	2370.8	2230.1
62.5°	1881.1	1847.2	1881.1	1910.2	1929.6	1953.8	2002.3	2089.5	2123.4	2128.3	1929.6
65°	1619.3	1604.8	1619.3	1677.5	1682.3	1711.4	1764.7	1827.8	1900.4	1890.8	1604.8
67.5°	1381.7	1381.7	1381.7	1420.5	1449.6	1464.1	1532.0	1561.1	1653.2	1662.9	1338.1
70°	1163.6	1158.7	1163.6	1192.6	1212.0	1246.0	1309.0	1342.9	1415.7	1439.9	1086.0
72.5°	955.1	950.2	955.1	979.4	998.7	1027.8	1081.2	1119.9	1183.0	1212.0	843.6
75°	770.9	761.1	770.9	790.3	785.4	824.2	867.8	906.6	964.7	984.1	625.4
77.5°	591.4	591.4	591.4	610.9	610.9	649.7	669.1	717.5	751.5	780.5	460.6
80°	441.2	436.3	441.2	446.0	446.0	465.5	499.4	533.3	562.4	562.4	315.2
82.5°	310.3	300.5	310.3	310.3	310.3	320.0	339.4	349.1	368.4	383.1	198.7
85°	194.0	194.0	194.0	198.7	194.0	203.6	208.5	218.1	218.1	208.5	121.2
87.5°	126.1	121.2	126.1	121.2	121.2	116.3	116.3	116.3	111.5	106.7	67.9
90°	33.7	33.7	33.7	33.7	33.7	45.0	60.0	67.5	58.1	39.1	24.8
92.5°	135.2	108.4	135.2	162.1	168.7	239.2	333.1	380.1	333.7	240.9	171.4
95°	471.2	389.9	471.2	552.5	572.8	752.3	991.5	1111.0	938.4	593.0	334.0
97.5°	1129.0	974.3	1129.0	1283.7	1322.4	1435.7	1586.9	1662.6	1374.6	798.8	366.8
100°	1626.7	1442.3	1626.7	1811.0	1857.1	1848.8	1837.7	1832.2	1512.6	873.6	394.3
102.5°	2116.2	1958.3	2116.2	2274.1	2313.6	2169.1	1976.5	1880.2	1556.1	907.9	421.8
105°	2740.4	2655.5	2740.4	2825.3	2846.5	2522.6	2090.8	1874.9	1561.0	933.4	462.7
107.5°	3149.2	3169.7	3149.2	3128.7	3123.5	2671.8	2069.5	1768.3	1491.6	938.2	523.1
110°	3305.1	3393.5	3305.1	3216.6	3194.6	2689.6	2016.2	1679.5	1430.0	931.0	556.9



TEST NUMBER: P934980

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3319.0	3454.8	3319.0	3183.2	3149.3	2632.5	1943.2	1598.7	1376.3	931.4	597.7
115°	3231.0	3419.3	3231.0	3042.7	2995.6	2497.7	1833.8	1501.8	1314.6	939.9	658.9
117.5°	3044.3	3253.2	3044.3	2835.6	2783.3	2333.9	1734.8	1435.2	1275.9	957.4	718.4
120°	2894.0	3096.9	2894.0	2691.1	2640.4	2229.7	1682.2	1408.5	1262.9	971.6	753.1
122.5°	2747.5	2947.7	2747.5	2547.5	2497.4	2127.6	1634.6	1388.1	1256.1	992.1	794.0
125°	2538.7	2723.0	2538.7	2354.4	2308.2	1994.1	1575.4	1365.9	1250.5	1019.6	846.4
127.5°	2350.8	2506.3	2350.8	2195.3	2156.4	1886.7	1527.1	1347.3	1247.2	1047.2	897.0
130°	2240.0	2383.8	2240.0	2096.3	2060.4	1820.3	1500.2	1340.2	1249.1	1067.2	930.7
132.5°	2139.6	2268.3	2139.6	2010.9	1978.8	1763.8	1477.2	1333.9	1250.5	1083.4	958.2
135°	2002.0	2112.8	2002.0	1891.0	1863.3	1683.3	1443.3	1323.3	1249.3	1101.3	990.2
137.5°	1891.5	1982.3	1891.5	1800.7	1778.0	1625.9	1423.0	1321.5	1257.0	1128.0	1031.1
140°	1815.7	1900.5	1815.7	1730.8	1709.6	1578.2	1403.0	1315.3	1258.3	1144.2	1058.6
142.5°	1753.0	1826.0	1753.0	1679.9	1661.7	1546.2	1392.3	1315.3	1262.8	1157.8	1079.1
145°	1658.8	1714.0	1658.8	1603.6	1589.8	1495.3	1369.4	1306.4	1262.8	1175.6	1110.2
147.5°	1586.5	1632.4	1586.5	1540.8	1529.3	1455.0	1356.0	1306.4	1271.5	1201.7	1149.2
150°	1541.1	1578.2	1541.1	1503.9	1494.7	1431.9	1348.3	1306.4	1276.1	1215.2	1169.7
152.5°	1502.2	1530.2	1502.2	1474.1	1467.2	1413.6	1342.2	1306.4	1279.0	1224.1	1183.0
155°	1457.5	1476.0	1457.5	1439.0	1434.3	1391.7	1334.9	1306.4	1285.5	1243.7	1212.3
157.5°	1422.2	1435.2	1422.2	1409.1	1405.9	1372.7	1328.5	1306.4	1292.0	1263.2	1241.6
160°	1401.1	1408.5	1401.1	1393.6	1391.7	1363.3	1325.3	1306.4	1295.0	1272.2	1255.0
162.5°	1387.2	1394.4	1387.2	1380.2	1378.4	1354.4	1322.4	1306.4	1298.1	1281.5	1269.1
165°	1367.3	1374.8	1367.3	1359.8	1357.9	1340.7	1317.9	1306.4	1302.7	1295.2	1289.5
167.5°	1353.0	1356.2	1353.0	1349.8	1349.0	1337.8	1322.8	1315.3	1312.2	1305.9	1301.1
170°	1349.0	1349.0	1349.0	1349.0	1349.0	1337.8	1322.8	1315.3	1315.1	1314.7	1314.5
172.5°	1338.5	1335.8	1338.5	1341.3	1342.0	1333.1	1321.2	1315.3	1315.3	1315.3	1315.3
175°	1332.2	1332.2	1332.2	1332.2	1332.2	1326.6	1319.0	1315.3	1317.1	1320.7	1323.3
177.5°	1326.5	1323.3	1326.5	1329.6	1330.4	1326.0	1320.1	1317.1	1318.5	1321.2	1323.3
180°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	5197.2	5168.2	5168.2	5119.7	5100.3	5085.8	5061.5	4988.7	4969.3	4950.0	4979.1
5°	5240.8	5187.6	5148.7	5061.5	4988.7	4959.7	4867.5	4693.0	4576.6	4489.4	4440.9
7.5°	5250.6	5182.7	5109.9	4974.2	4799.6	4722.1	4440.9	4120.9	4033.6	3956.1	3907.6
10°	5240.8	5163.3	5061.5	4857.9	4445.7	4310.0	4028.9	3820.4	3767.0	3752.5	3767.0
12.5°	5206.9	5134.2	4993.6	4654.2	4077.3	3985.2	3820.4	3699.1	3689.5	3713.7	3844.5
15°	5148.7	5080.9	4916.1	4382.7	3873.7	3805.8	3689.5	3645.8	3699.1	3868.8	4261.5
17.5°	5090.5	5013.0	4809.4	4116.0	3718.6	3670.1	3587.6	3674.9	3975.5	4203.3	4334.3
20°	5013.0	4920.8	4688.2	3922.2	3607.0	3563.4	3524.6	3917.3	4145.2	4227.6	4300.3
22.5°	4920.8	4823.9	4523.4	3786.4	3490.7	3456.7	3481.0	4053.0	4145.2	4203.3	4266.4
25°	4799.6	4717.2	4329.4	3679.7	3398.6	3359.8	3451.8	4038.5	4091.8	4106.4	4232.5
27.5°	4688.2	4581.5	4125.8	3582.8	3287.0	3272.5	3476.1	3975.5	4014.2	4028.9	4164.6
30°	4552.4	4392.4	3897.9	3481.0	3170.7	3165.8	3481.0	3897.9	3888.2	3927.0	4062.8
32.5°	4411.8	4111.3	3640.9	3354.9	3059.2	3054.4	3447.1	3781.5	3771.9	3825.2	3927.0
35°	4280.9	3893.1	3291.9	3209.5	2918.6	2923.4	3364.7	3645.8	3650.7	3699.1	3762.1
37.5°	4145.2	3704.0	2908.9	3049.5	2782.9	2782.9	3253.1	3519.7	3510.1	3524.6	3611.9
40°	3985.2	3408.2	2569.5	2841.0	2656.8	2642.2	3117.4	3384.0	3350.0	3345.3	3466.5
42.5°	3815.5	3083.4	2317.4	2564.7	2511.4	2492.0	2952.5	3219.2	3156.2	3170.7	3325.8
45°	3631.3	2996.1	2123.4	2167.1	2361.0	2346.5	2773.1	3030.1	2986.5	3025.2	3185.2
47.5°	3447.1	2821.6	2060.5	1798.6	2201.1	2196.2	2574.4	2845.9	2821.6	2860.4	3030.1
50°	3195.0	2627.7	2055.6	1541.8	2021.6	2041.0	2336.8	2666.5	2666.5	2700.5	2879.8
52.5°	2870.1	2390.2	1866.5	1396.3	1813.2	1871.4	2128.3	2511.4	2521.0	2555.0	2715.0
55°	2574.4	2142.9	1730.7	1284.8	1565.9	1692.0	1924.7	2351.3	2370.8	2404.7	2550.1
57.5°	2302.9	1784.1	1701.7	1153.8	1338.1	1459.3	1745.4	2196.2	2206.0	2235.0	2375.6
60°	2012.0	1289.6	1561.1	1013.3	1139.3	1231.5	1580.5	2012.0	2045.9	2065.3	2186.5
62.5°	1682.3	935.7	1415.7	916.3	1042.4	1061.8	1444.7	1837.4	1881.1	1895.6	1968.4
65°	1197.5	785.4	1202.3	833.9	940.6	945.4	1299.3	1658.1	1696.8	1721.1	1774.4
67.5°	809.6	639.9	916.3	756.3	862.9	867.8	1158.7	1449.6	1502.9	1522.4	1556.3
70°	562.4	426.6	678.7	673.8	775.7	785.4	1008.4	1260.5	1309.0	1323.5	1342.9
72.5°	412.1	344.2	562.4	606.0	683.6	693.3	853.3	1047.2	1095.7	1110.2	1119.9
75°	315.2	363.6	455.7	528.4	581.8	586.7	698.1	853.3	887.2	896.9	901.7
77.5°	252.1	339.4	334.5	426.6	475.1	465.5	547.9	659.3	688.5	688.5	688.5
80°	189.1	266.6	252.1	305.4	349.1	339.4	392.7	470.2	480.0	489.6	484.9
82.5°	140.6	169.7	169.7	194.0	232.7	223.0	261.8	305.4	305.4	305.4	315.2
85°	87.3	96.9	77.5	101.8	130.9	126.1	145.4	164.8	169.7	169.7	160.0
87.5°	53.3	43.6	24.3	38.8	58.2	58.2	67.9	72.7	67.9	67.9	67.9
90°	23.0	15.9	8.9	15.9	23.0	24.8	39.1	58.1	67.5	60.0	45.0
92.5°	156.3	95.9	35.5	95.9	156.3	171.4	240.9	333.7	380.1	333.1	239.2
95°	306.4	195.8	85.3	195.8	306.4	334.0	593.0	938.4	1111.0	991.5	752.3
97.5°	342.5	245.0	147.5	245.0	342.5	366.8	798.8	1374.6	1662.6	1586.9	1435.7
100°	372.3	283.8	195.4	283.8	372.3	394.3	873.6	1512.6	1832.2	1837.7	1848.8
102.5°	401.2	318.8	236.3	318.8	401.2	421.8	907.9	1556.1	1880.2	1976.5	2169.1
105°	445.2	375.4	305.5	375.4	445.2	462.7	933.4	1561.0	1874.9	2090.8	2522.6
107.5°	506.8	441.7	376.6	441.7	506.8	523.1	938.2	1491.6	1768.3	2069.5	2671.8
110°	542.2	483.3	424.5	483.3	542.2	556.9	931.0	1430.0	1679.5	2016.2	2689.6



TEST NUMBER: P934980

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	583.7	527.6	471.6	527.6	583.7	597.7	931.4	1376.3	1598.7	1943.2	2632.5
115°	646.1	594.3	542.6	594.3	646.1	658.9	939.9	1314.6	1501.8	1833.8	2497.7
117.5°	706.7	659.8	612.8	659.8	706.7	718.4	957.4	1275.9	1435.2	1734.8	2333.9
120°	742.0	697.9	653.7	697.9	742.0	753.1	971.6	1262.9	1408.5	1682.2	2229.7
122.5°	782.8	738.2	693.6	738.2	782.8	794.0	992.1	1256.1	1388.1	1634.6	2127.6
125°	836.3	795.6	754.9	795.6	836.3	846.4	1019.6	1250.5	1365.9	1575.4	1994.1
127.5°	886.8	845.7	804.7	845.7	886.8	897.0	1047.2	1247.2	1347.3	1527.1	1886.7
130°	919.7	875.5	831.3	875.5	919.7	930.7	1067.2	1249.1	1340.2	1500.2	1820.3
132.5°	947.2	903.0	858.8	903.0	947.2	958.2	1083.4	1250.5	1333.9	1477.2	1763.8
135°	980.2	939.9	899.7	939.9	980.2	990.2	1101.3	1249.3	1323.3	1443.3	1683.3
137.5°	1021.2	981.3	941.4	981.3	1021.2	1031.1	1128.0	1257.0	1321.5	1423.0	1625.9
140°	1049.4	1012.7	976.0	1012.7	1049.4	1058.6	1144.2	1258.3	1315.3	1403.0	1578.2
142.5°	1070.6	1036.7	1002.7	1036.7	1070.6	1079.1	1157.8	1262.8	1315.3	1392.3	1546.2
145°	1102.7	1073.1	1043.5	1073.1	1102.7	1110.2	1175.6	1262.8	1306.4	1369.4	1495.3
147.5°	1142.1	1113.2	1084.4	1113.2	1142.1	1149.2	1201.7	1271.5	1306.4	1356.0	1455.0
150°	1163.2	1137.1	1111.0	1137.1	1163.2	1169.7	1215.2	1276.1	1306.4	1348.3	1431.9
152.5°	1178.0	1158.3	1138.6	1158.3	1178.0	1183.0	1224.1	1279.0	1306.4	1342.2	1413.6
155°	1208.6	1194.0	1179.4	1194.0	1208.6	1212.3	1243.7	1285.5	1306.4	1334.9	1391.7
157.5°	1238.1	1223.8	1209.6	1223.8	1238.1	1241.6	1263.2	1292.0	1306.4	1328.5	1372.7
160°	1252.2	1241.1	1230.0	1241.1	1252.2	1255.0	1272.2	1295.0	1306.4	1325.3	1363.3
162.5°	1267.0	1258.8	1250.5	1258.8	1267.0	1269.1	1281.5	1298.1	1306.4	1322.4	1354.4
165°	1287.6	1280.2	1272.7	1280.2	1287.6	1289.5	1295.2	1302.7	1306.4	1317.9	1340.7
167.5°	1300.2	1296.6	1293.1	1296.6	1300.2	1301.1	1305.9	1312.2	1315.3	1322.8	1337.8
170°	1313.6	1310.0	1306.4	1310.0	1313.6	1314.5	1314.7	1315.1	1315.3	1322.8	1337.8
172.5°	1315.1	1314.3	1313.5	1314.3	1315.1	1315.3	1315.3	1315.3	1315.3	1321.2	1333.1
175°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1320.7	1317.1	1315.3	1319.0	1326.6
177.5°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1321.2	1318.5	1317.1	1320.1	1326.0
180°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3



TEST NUMBER: P934980
 CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	4945.1	4930.6	4950.0	4896.7	4950.0	4930.6	4945.1	4979.1	4950.0	4969.3	4988.7
5°	4339.1	4314.9	4237.2	4174.3	4237.2	4314.9	4339.1	4440.9	4489.4	4576.6	4693.0
7.5°	3878.5	3859.2	3839.8	3801.0	3839.8	3859.2	3878.5	3907.6	3956.1	4033.6	4120.9
10°	3776.7	3781.5	3810.6	3805.8	3810.6	3781.5	3776.7	3767.0	3752.5	3767.0	3820.4
12.5°	4038.5	4082.1	4242.1	4232.5	4242.1	4082.1	4038.5	3844.5	3713.7	3689.5	3699.1
15°	4339.1	4353.7	4387.6	4392.4	4387.6	4353.7	4339.1	4261.5	3868.8	3699.1	3645.8
17.5°	4368.2	4373.0	4397.3	4397.3	4397.3	4373.0	4368.2	4334.3	4203.3	3975.5	3674.9
20°	4343.9	4353.7	4402.2	4411.8	4402.2	4353.7	4343.9	4300.3	4227.6	4145.2	3917.3
22.5°	4334.3	4353.7	4392.4	4387.6	4392.4	4353.7	4334.3	4266.4	4203.3	4145.2	4053.0
25°	4285.8	4285.8	4290.6	4295.5	4290.6	4285.8	4285.8	4232.5	4106.4	4091.8	4038.5
27.5°	4184.0	4193.7	4222.7	4217.9	4222.7	4193.7	4184.0	4164.6	4028.9	4014.2	3975.5
30°	4091.8	4082.1	4057.9	4038.5	4057.9	4082.1	4091.8	4062.8	3927.0	3888.2	3897.9
32.5°	3936.7	3912.4	3888.2	3873.7	3888.2	3912.4	3936.7	3927.0	3825.2	3771.9	3781.5
35°	3752.5	3757.4	3752.5	3738.0	3752.5	3757.4	3752.5	3762.1	3699.1	3650.7	3645.8
37.5°	3621.6	3631.3	3626.4	3607.0	3626.4	3631.3	3621.6	3611.9	3524.6	3510.1	3519.7
40°	3485.8	3490.7	3485.8	3471.2	3485.8	3490.7	3485.8	3466.5	3345.3	3350.0	3384.0
42.5°	3354.9	3350.0	3335.5	3325.8	3335.5	3350.0	3354.9	3325.8	3170.7	3156.2	3219.2
45°	3204.6	3209.5	3180.3	3165.8	3180.3	3209.5	3204.6	3185.2	3025.2	2986.5	3030.1
47.5°	3054.4	3054.4	3030.1	3015.5	3030.1	3054.4	3054.4	3030.1	2860.4	2821.6	2845.9
50°	2894.3	2889.5	2855.5	2850.7	2855.5	2889.5	2894.3	2879.8	2700.5	2666.5	2666.5
52.5°	2710.1	2710.1	2715.0	2724.6	2715.0	2710.1	2710.1	2715.0	2555.0	2521.0	2511.4
55°	2550.1	2555.0	2588.9	2598.7	2588.9	2555.0	2550.1	2550.1	2404.7	2370.8	2351.3
57.5°	2385.3	2385.3	2409.6	2409.6	2409.6	2385.3	2385.3	2375.6	2235.0	2206.0	2196.2
60°	2196.2	2206.0	2225.3	2220.5	2225.3	2206.0	2196.2	2186.5	2065.3	2045.9	2012.0
62.5°	1997.5	2007.1	2012.0	2002.3	2012.0	2007.1	1997.5	1968.4	1895.6	1881.1	1837.4
65°	1789.0	1798.6	1803.5	1793.8	1803.5	1798.6	1789.0	1774.4	1721.1	1696.8	1658.1
67.5°	1575.7	1570.8	1565.9	1585.3	1565.9	1570.8	1575.7	1556.3	1522.4	1502.9	1449.6
70°	1357.4	1357.4	1352.7	1362.3	1352.7	1357.4	1357.4	1342.9	1323.5	1309.0	1260.5
72.5°	1124.8	1119.9	1139.3	1124.8	1139.3	1119.9	1124.8	1119.9	1110.2	1095.7	1047.2
75°	896.9	906.6	896.9	911.5	896.9	906.6	896.9	901.7	896.9	887.2	853.3
77.5°	683.6	693.3	683.6	683.6	683.6	693.3	683.6	688.5	688.5	688.5	659.3
80°	484.9	480.0	480.0	475.1	480.0	480.0	484.9	484.9	489.6	480.0	470.2
82.5°	310.3	305.4	305.4	315.2	305.4	305.4	310.3	315.2	305.4	305.4	305.4
85°	169.7	174.6	164.8	164.8	164.8	174.6	169.7	160.0	169.7	169.7	164.8
87.5°	63.0	58.2	58.2	58.2	58.2	58.2	63.0	67.9	67.9	67.9	72.7
90°	33.7	33.7	33.7	33.7	33.7	33.7	33.7	45.0	60.0	67.5	58.1
92.5°	168.7	162.1	135.2	108.4	135.2	162.1	168.7	239.2	333.1	380.1	333.7
95°	572.8	552.5	471.2	389.9	471.2	552.5	572.8	752.3	991.5	1111.0	938.4
97.5°	1322.4	1283.7	1129.0	974.3	1129.0	1283.7	1322.4	1435.7	1586.9	1662.6	1374.6
100°	1857.1	1811.0	1626.7	1442.3	1626.7	1811.0	1857.1	1848.8	1837.7	1832.2	1512.6
102.5°	2313.6	2274.1	2116.2	1958.3	2116.2	2274.1	2313.6	2169.1	1976.5	1880.2	1556.1
105°	2846.5	2825.3	2740.4	2655.5	2740.4	2825.3	2846.5	2522.6	2090.8	1874.9	1561.0
107.5°	3123.5	3128.7	3149.2	3169.7	3149.2	3128.7	3123.5	2671.8	2069.5	1768.3	1491.6
110°	3194.6	3216.6	3305.1	3393.5	3305.1	3216.6	3194.6	2689.6	2016.2	1679.5	1430.0



TEST NUMBER: P934980

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3149.3	3183.2	3319.0	3454.8	3319.0	3183.2	3149.3	2632.5	1943.2	1598.7	1376.3
115°	2995.6	3042.7	3231.0	3419.3	3231.0	3042.7	2995.6	2497.7	1833.8	1501.8	1314.6
117.5°	2783.3	2835.6	3044.3	3253.2	3044.3	2835.6	2783.3	2333.9	1734.8	1435.2	1275.9
120°	2640.4	2691.1	2894.0	3096.9	2894.0	2691.1	2640.4	2229.7	1682.2	1408.5	1262.9
122.5°	2497.4	2547.5	2747.5	2947.7	2747.5	2547.5	2497.4	2127.6	1634.6	1388.1	1256.1
125°	2308.2	2354.4	2538.7	2723.0	2538.7	2354.4	2308.2	1994.1	1575.4	1365.9	1250.5
127.5°	2156.4	2195.3	2350.8	2506.3	2350.8	2195.3	2156.4	1886.7	1527.1	1347.3	1247.2
130°	2060.4	2096.3	2240.0	2383.8	2240.0	2096.3	2060.4	1820.3	1500.2	1340.2	1249.1
132.5°	1978.8	2010.9	2139.6	2268.3	2139.6	2010.9	1978.8	1763.8	1477.2	1333.9	1250.5
135°	1863.3	1891.0	2002.0	2112.8	2002.0	1891.0	1863.3	1683.3	1443.3	1323.3	1249.3
137.5°	1778.0	1800.7	1891.5	1982.3	1891.5	1800.7	1778.0	1625.9	1423.0	1321.5	1257.0
140°	1709.6	1730.8	1815.7	1900.5	1815.7	1730.8	1709.6	1578.2	1403.0	1315.3	1258.3
142.5°	1661.7	1679.9	1753.0	1826.0	1753.0	1679.9	1661.7	1546.2	1392.3	1315.3	1262.8
145°	1589.8	1603.6	1658.8	1714.0	1658.8	1603.6	1589.8	1495.3	1369.4	1306.4	1262.8
147.5°	1529.3	1540.8	1586.5	1632.4	1586.5	1540.8	1529.3	1455.0	1356.0	1306.4	1271.5
150°	1494.7	1503.9	1541.1	1578.2	1541.1	1503.9	1494.7	1431.9	1348.3	1306.4	1276.1
152.5°	1467.2	1474.1	1502.2	1530.2	1502.2	1474.1	1467.2	1413.6	1342.2	1306.4	1279.0
155°	1434.3	1439.0	1457.5	1476.0	1457.5	1439.0	1434.3	1391.7	1334.9	1306.4	1285.5
157.5°	1405.9	1409.1	1422.2	1435.2	1422.2	1409.1	1405.9	1372.7	1328.5	1306.4	1292.0
160°	1391.7	1393.6	1401.1	1408.5	1401.1	1393.6	1391.7	1363.3	1325.3	1306.4	1295.0
162.5°	1378.4	1380.2	1387.2	1394.4	1387.2	1380.2	1378.4	1354.4	1322.4	1306.4	1298.1
165°	1357.9	1359.8	1367.3	1374.8	1367.3	1359.8	1357.9	1340.7	1317.9	1306.4	1302.7
167.5°	1349.0	1349.8	1353.0	1356.2	1353.0	1349.8	1349.0	1337.8	1322.8	1315.3	1312.2
170°	1349.0	1349.0	1349.0	1349.0	1349.0	1349.0	1349.0	1337.8	1322.8	1315.3	1315.1
172.5°	1342.0	1341.3	1338.5	1335.8	1338.5	1341.3	1342.0	1333.1	1321.2	1315.3	1315.3
175°	1332.2	1332.2	1332.2	1332.2	1332.2	1332.2	1332.2	1326.6	1319.0	1315.3	1317.1
177.5°	1330.4	1329.6	1326.5	1323.3	1326.5	1329.6	1330.4	1326.0	1320.1	1317.1	1318.5
180°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3



TEST NUMBER: P934980

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	5061.5	5085.8	5100.3	5119.7	5168.2
5°	4867.5	4959.7	4988.7	5061.5	5148.7
7.5°	4440.9	4722.1	4799.6	4974.2	5109.9
10°	4028.9	4310.0	4445.7	4857.9	5061.5
12.5°	3820.4	3985.2	4077.3	4654.2	4993.6
15°	3689.5	3805.8	3873.7	4382.7	4916.1
17.5°	3587.6	3670.1	3718.6	4116.0	4809.4
20°	3524.6	3563.4	3607.0	3922.2	4688.2
22.5°	3481.0	3456.7	3490.7	3786.4	4523.4
25°	3451.8	3359.8	3398.6	3679.7	4329.4
27.5°	3476.1	3272.5	3287.0	3582.8	4125.8
30°	3481.0	3165.8	3170.7	3481.0	3897.9
32.5°	3447.1	3054.4	3059.2	3354.9	3640.9
35°	3364.7	2923.4	2918.6	3209.5	3291.9
37.5°	3253.1	2782.9	2782.9	3049.5	2908.9
40°	3117.4	2642.2	2656.8	2841.0	2569.5
42.5°	2952.5	2492.0	2511.4	2564.7	2317.4
45°	2773.1	2346.5	2361.0	2167.1	2123.4
47.5°	2574.4	2196.2	2201.1	1798.6	2060.5
50°	2336.8	2041.0	2021.6	1541.8	2055.6
52.5°	2128.3	1871.4	1813.2	1396.3	1866.5
55°	1924.7	1692.0	1565.9	1284.8	1730.7
57.5°	1745.4	1459.3	1338.1	1153.8	1701.7
60°	1580.5	1231.5	1139.3	1013.3	1561.1
62.5°	1444.7	1061.8	1042.4	916.3	1415.7
65°	1299.3	945.4	940.6	833.9	1202.3
67.5°	1158.7	867.8	862.9	756.3	916.3
70°	1008.4	785.4	775.7	673.8	678.7
72.5°	853.3	693.3	683.6	606.0	562.4
75°	698.1	586.7	581.8	528.4	455.7
77.5°	547.9	465.5	475.1	426.6	334.5
80°	392.7	339.4	349.1	305.4	252.1
82.5°	261.8	223.0	232.7	194.0	169.7
85°	145.4	126.1	130.9	101.8	77.5
87.5°	67.9	58.2	58.2	38.8	24.3
90°	39.1	24.8	23.0	15.9	8.9
92.5°	240.9	171.4	156.3	95.9	35.5
95°	593.0	334.0	306.4	195.8	85.3
97.5°	798.8	366.8	342.5	245.0	147.5
100°	873.6	394.3	372.3	283.8	195.4
102.5°	907.9	421.8	401.2	318.8	236.3
105°	933.4	462.7	445.2	375.4	305.5
107.5°	938.2	523.1	506.8	441.7	376.6
110°	931.0	556.9	542.2	483.3	424.5



TEST NUMBER: P934980
 CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	931.4	597.7	583.7	527.6	471.6
115°	939.9	658.9	646.1	594.3	542.6
117.5°	957.4	718.4	706.7	659.8	612.8
120°	971.6	753.1	742.0	697.9	653.7
122.5°	992.1	794.0	782.8	738.2	693.6
125°	1019.6	846.4	836.3	795.6	754.9
127.5°	1047.2	897.0	886.8	845.7	804.7
130°	1067.2	930.7	919.7	875.5	831.3
132.5°	1083.4	958.2	947.2	903.0	858.8
135°	1101.3	990.2	980.2	939.9	899.7
137.5°	1128.0	1031.1	1021.2	981.3	941.4
140°	1144.2	1058.6	1049.4	1012.7	976.0
142.5°	1157.8	1079.1	1070.6	1036.7	1002.7
145°	1175.6	1110.2	1102.7	1073.1	1043.5
147.5°	1201.7	1149.2	1142.1	1113.2	1084.4
150°	1215.2	1169.7	1163.2	1137.1	1111.0
152.5°	1224.1	1183.0	1178.0	1158.3	1138.6
155°	1243.7	1212.3	1208.6	1194.0	1179.4
157.5°	1263.2	1241.6	1238.1	1223.8	1209.6
160°	1272.2	1255.0	1252.2	1241.1	1230.0
162.5°	1281.5	1269.1	1267.0	1258.8	1250.5
165°	1295.2	1289.5	1287.6	1280.2	1272.7
167.5°	1305.9	1301.1	1300.2	1296.6	1293.1
170°	1314.7	1314.5	1313.6	1310.0	1306.4
172.5°	1315.3	1315.3	1315.1	1314.3	1313.5
175°	1320.7	1323.3	1323.3	1323.3	1323.3
177.5°	1321.2	1323.3	1323.3	1323.3	1323.3
180°	1323.3	1323.3	1323.3	1323.3	1323.3



TEST NUMBER: P934980
 CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-4000K

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	15.35	16.32	16.21	17.20	18.31	18.20	19.17	19.06	20.05	21.16
	3H	15.84	16.70	16.71	17.59	18.73	19.56	20.43	20.43	21.32	22.46
	4H	16.03	16.85	16.92	17.75	18.89	20.02	20.84	20.90	21.73	22.88
	6H	16.16	16.91	17.06	17.81	18.97	20.31	21.07	21.21	21.97	23.13
	8H	16.16	16.88	17.07	17.80	18.96	20.39	21.11	21.30	22.03	23.19
	12H	16.14	16.82	17.05	17.73	18.92	20.44	21.12	21.35	22.04	23.22
4H	2H	16.40	17.22	17.29	18.12	19.26	18.62	19.44	19.52	20.34	21.48
	3H	17.44	18.12	18.34	19.05	20.21	20.15	20.83	21.05	21.76	22.92
	4H	17.72	18.34	18.63	19.27	20.45	20.68	21.31	21.60	22.23	23.41
	6H	17.85	18.39	18.78	19.33	20.52	21.06	21.60	21.99	22.54	23.73
	8H	17.86	18.36	18.79	19.30	20.50	21.17	21.67	22.10	22.62	23.82
	12H	17.83	18.28	18.78	19.24	20.45	21.24	21.69	22.19	22.65	23.86
8H	4H	18.18	18.69	19.12	19.63	20.83	20.82	21.32	21.75	22.26	23.46
	6H	18.45	18.87	19.41	19.85	21.05	21.26	21.68	22.22	22.66	23.86
	8H	18.49	18.86	19.46	19.83	21.05	21.42	21.79	22.39	22.76	23.98
	12H	18.48	18.81	19.45	19.77	21.04	21.53	21.85	22.50	22.81	24.08
12H	4H	18.20	18.65	19.15	19.61	20.81	20.78	21.24	21.74	22.20	23.40
	6H	18.51	18.88	19.48	19.85	21.07	21.26	21.63	22.23	22.60	23.82
	8H	18.59	18.91	19.56	19.87	21.14	21.43	21.75	22.40	22.72	23.98