

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: P934034

Luminaire Tested: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-4-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934034
REPORT IS A COMBINATION OF REPORTS P933682 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-4-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

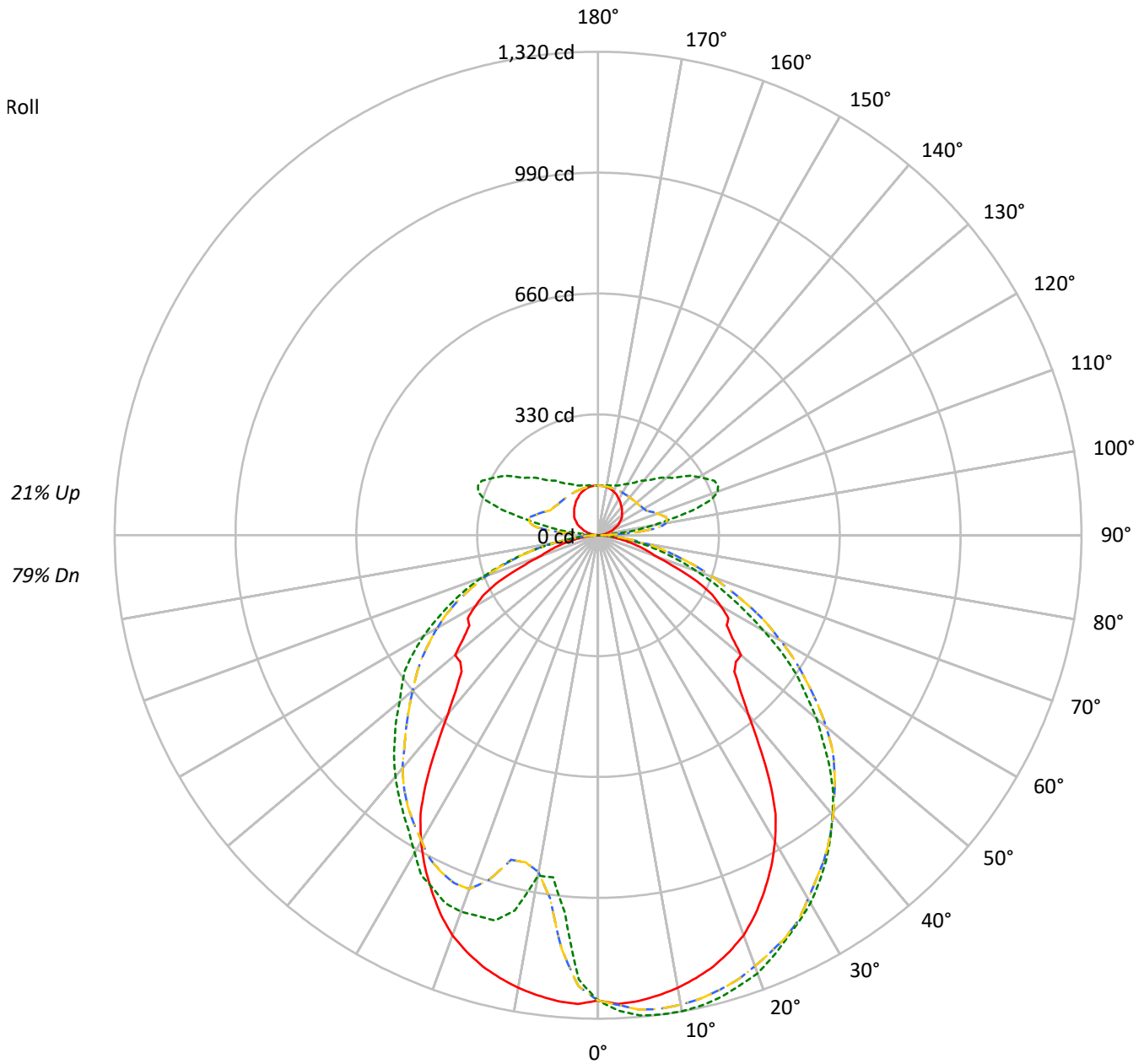
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4174.3 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 38.8
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	114	114	114	114	109	109	109	109	99	99	99	91	91	91	83	83	83	79			79
1	104	100	96	92	100	96	92	89	88	85	82	80	78	76	73	72	70	67			67
2	95	87	81	76	91	84	78	73	77	72	68	70	67	64	65	62	59	56			56
3	87	77	69	63	83	74	67	61	68	62	57	62	58	54	57	54	50	47			47
4	79	68	60	53	76	65	58	52	60	54	49	56	50	46	51	47	43	41			41
5	73	61	52	46	70	58	51	45	54	47	42	50	44	40	46	41	38	35			35
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33	31			31
7	62	50	41	35	59	48	40	34	44	38	33	41	35	31	38	33	30	27			27
8	58	45	37	31	55	44	36	31	40	34	29	38	32	28	35	30	26	24			24
9	54	41	33	28	52	40	33	27	37	31	26	35	29	25	32	27	24	22			22
10	51	38	30	25	48	37	30	25	34	28	24	32	27	23	30	25	22	20			20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11787	11787	11787	11787
5°	11863	11900	11863	9357
10°	11771	11721	11771	8380
15°	11629	11467	11629	9575
20°	11373	11167	11373	9596
25°	10862	10728	10862	9392
30°	10206	10364	10206	8946
35°	9085	9903	9085	8455
40°	7558	9360	7558	8084
45°	6739	8726	6739	7658
50°	7144	7968	7144	7231
55°	6703	7153	6703	6983
60°	6884	6074	6884	6395
65°	6212	5021	6212	5613
70°	4273	4003	4273	4705
75°	3706	2958	3706	3543
80°	2925	1956	2925	2130
85°	1590	1034	1590	879

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10349 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.7	2.7
10°-20°	325.6	7.8
20°-30°	503.3	12.1
30°-40°	600.8	14.4
40°-50°	604.4	14.5
50°-60°	525.9	12.6
60°-70°	372.8	8.9
70°-80°	197.3	4.7
80°-90°	49.6	1.2
90°-100°	66.2	1.6
100°-110°	174.0	4.2
110°-120°	180.4	4.3
120°-130°	144.7	3.5
130°-140°	113.5	2.7
140°-150°	87.1	2.1
150°-160°	62.7	1.5
160°-170°	38.4	0.9
170°-180°	13.0	0.3
0°-30°	943.6	22.6
0°-40°	1544.4	37.0
0°-60°	2674.6	64.1
0°-90°	3294.3	78.9
90°-120°	420.5	10.1
90°-150°	765.9	18.3
90°-180°	880.0	21.1
0°-180°	4174.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1270	1270	1270	1270	1270	
5°	1276	1316	1276	1035	1276	121
15°	1219	1304	1219	1089	1219	343
25°	1073	1216	1073	1065	1073	493
35°	816	1085	816	927	816	505
45°	526	894	526	785	526	422
55°	429	660	429	644	429	394
65°	298	398	298	445	298	285
75°	113	189	113	226	113	119
85°	19	48	19	41	19	26
90°	1	4	1	4	1	2
95°	9	40	9	40	9	10
105°	31	272	31	272	31	33
115°	56	351	56	351	56	55
125°	77	279	77	279	77	69
135°	92	217	92	217	92	71
145°	107	176	107	176	107	67
155°	121	152	121	152	121	56
165°	130	141	130	141	130	37
175°	136	137	136	137	136	13
180°	136	136	136	136	136	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3
2.5°	1281.1	1281.1	1288.4	1290.8	1290.8	1287.1	1283.6	1287.1	1298.0	1301.6	1300.4
5°	1276.4	1286.0	1299.2	1301.6	1304.0	1302.8	1300.4	1302.8	1314.8	1317.2	1318.4
7.5°	1266.8	1284.8	1301.6	1305.2	1308.8	1305.2	1304.0	1306.4	1318.4	1320.8	1320.8
10°	1254.8	1280.0	1299.2	1301.6	1305.2	1301.6	1301.6	1306.4	1318.4	1320.8	1322.1
12.5°	1237.9	1272.8	1290.8	1293.2	1298.0	1296.8	1295.6	1300.4	1312.4	1314.8	1314.8
15°	1218.6	1259.6	1276.4	1278.8	1287.1	1284.8	1284.8	1289.6	1302.8	1306.4	1305.2
17.5°	1192.3	1242.7	1261.9	1265.6	1271.6	1270.3	1271.6	1276.4	1288.4	1290.8	1292.0
20°	1162.2	1219.9	1242.7	1246.3	1252.3	1252.3	1252.3	1258.3	1270.3	1275.1	1275.1
22.5°	1121.3	1195.8	1219.9	1222.3	1229.5	1229.5	1231.9	1240.3	1251.1	1252.3	1252.3
25°	1073.3	1169.4	1189.8	1197.1	1204.3	1207.8	1211.5	1216.3	1219.9	1218.6	1219.9
27.5°	1022.8	1135.8	1162.2	1167.0	1176.6	1180.3	1185.0	1186.3	1187.4	1191.0	1188.6
30°	966.3	1088.8	1128.5	1133.3	1149.0	1151.3	1146.6	1149.0	1155.0	1157.4	1159.8
32.5°	902.5	1019.2	1093.7	1104.5	1118.9	1111.7	1110.5	1114.1	1123.8	1123.8	1126.1
35°	816.0	965.1	1061.3	1070.8	1081.6	1073.3	1078.0	1079.3	1085.3	1088.8	1087.7
37.5°	721.1	918.2	1027.6	1034.8	1043.2	1032.3	1039.6	1043.2	1048.0	1045.6	1045.6
40°	637.0	844.9	988.0	992.7	1000.0	991.5	998.7	1001.1	1003.5	1001.1	1000.0
42.5°	574.5	764.4	945.8	951.8	947.0	953.0	955.5	960.3	956.7	951.8	951.8
45°	526.4	742.7	900.2	907.4	900.2	909.8	913.4	913.4	902.5	900.2	899.0
47.5°	510.8	699.5	854.5	854.5	850.9	862.9	869.0	860.5	849.7	846.1	846.1
50°	509.6	651.4	792.0	787.2	804.0	818.5	812.5	804.0	795.7	782.4	782.4
52.5°	462.7	592.5	711.5	729.5	756.0	764.4	754.7	746.4	731.9	725.9	721.1
55°	429.1	531.2	638.2	674.2	701.9	712.7	694.7	686.2	664.6	661.0	658.6
57.5°	421.9	442.3	570.9	616.6	650.2	649.0	638.2	622.6	604.5	600.9	599.7
60°	387.0	319.6	498.8	552.9	587.7	584.1	574.5	560.1	543.2	540.9	538.4
62.5°	350.9	232.0	417.1	478.4	527.6	526.4	518.0	496.4	484.4	478.4	473.6
65°	298.1	194.7	296.8	397.8	468.7	471.1	453.1	437.4	424.3	417.1	415.8
67.5°	227.1	158.6	200.7	331.7	412.2	409.8	387.0	379.8	362.9	359.3	352.1
70°	168.3	105.8	139.4	269.3	356.9	350.9	332.9	324.5	308.9	300.5	295.6
72.5°	139.4	85.3	102.2	209.1	300.5	293.3	277.6	268.0	254.8	247.6	242.8
75°	113.0	90.1	78.1	155.0	244.0	239.1	224.8	215.1	204.3	194.7	195.9
77.5°	83.0	84.1	62.5	114.2	193.5	186.3	177.8	165.8	161.0	151.5	151.5
80°	62.5	66.1	46.8	78.1	139.4	139.4	132.2	123.8	115.3	110.6	110.6
82.5°	42.0	42.0	34.8	49.3	95.0	91.3	86.5	84.1	79.3	77.0	77.0
85°	19.2	24.0	21.6	30.0	51.7	54.1	54.1	51.7	50.5	48.0	49.3
87.5°	6.0	10.8	13.2	16.8	26.5	27.7	28.8	28.8	28.8	30.0	30.0
90°	0.9	1.6	2.4	2.5	4.0	5.9	6.9	6.2	4.6	3.5	3.5
92.5°	3.6	9.8	16.0	17.6	24.7	34.3	39.0	34.2	24.6	17.3	16.6
95°	8.7	20.1	31.5	34.3	60.9	96.2	114.0	101.7	77.1	58.8	56.7
97.5°	15.1	25.1	35.1	37.7	82.0	141.0	170.6	162.8	147.3	135.6	131.6
100°	20.0	29.1	38.2	40.5	89.6	155.2	187.9	188.5	189.7	190.5	185.7
102.5°	24.2	32.7	41.2	43.3	93.1	159.6	192.8	202.8	222.5	237.3	233.2
105°	31.4	38.6	45.7	47.5	95.8	160.1	192.3	214.5	258.8	292.0	289.8
107.5°	38.7	45.3	52.0	53.7	96.2	153.0	181.4	212.3	274.1	320.5	321.0
110°	43.6	49.6	55.6	57.1	95.5	146.7	172.3	206.9	275.9	327.7	330.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	48.4	54.1	59.9	61.3	95.5	141.2	164.0	199.4	270.1	323.1	326.6
115°	55.7	60.9	66.2	67.6	96.4	134.9	154.1	188.1	256.2	307.3	312.1
117.5°	62.9	67.7	72.5	73.7	98.2	130.9	147.3	178.0	239.4	285.5	290.9
120°	67.0	71.6	76.1	77.2	99.6	129.5	144.5	172.6	228.8	270.9	276.1
122.5°	71.1	75.7	80.2	81.4	101.7	128.8	142.4	167.6	218.2	256.2	261.2
125°	77.4	81.6	85.8	86.9	104.6	128.3	140.1	161.6	204.6	236.8	241.5
127.5°	82.5	86.8	91.0	92.1	107.4	127.9	138.2	156.6	193.6	221.2	225.2
130°	85.2	89.8	94.3	95.5	109.5	128.2	137.4	153.9	186.7	211.4	215.0
132.5°	88.1	92.7	97.2	98.3	111.2	128.3	136.8	151.5	180.9	203.0	206.3
135°	92.3	96.4	100.6	101.6	113.0	128.2	135.7	148.0	172.6	191.1	193.9
137.5°	96.6	100.7	104.8	105.8	115.7	128.9	135.5	145.9	166.7	182.4	184.7
140°	100.2	103.9	107.7	108.6	117.3	129.1	134.9	143.9	161.9	175.4	177.6
142.5°	102.9	106.3	109.8	110.7	118.8	129.5	134.9	142.8	158.6	170.5	172.4
145°	107.1	110.1	113.2	113.9	120.6	129.5	134.0	140.4	153.4	163.1	164.6
147.5°	111.2	114.2	117.2	117.9	123.3	130.4	134.0	139.1	149.3	156.9	158.1
150°	114.0	116.6	119.3	120.0	124.6	130.9	134.0	138.3	146.9	153.4	154.3
152.5°	116.8	118.8	120.8	121.3	125.5	131.2	134.0	137.6	145.0	150.5	151.3
155°	121.0	122.4	124.0	124.3	127.5	131.8	134.0	136.9	142.8	147.2	147.6
157.5°	124.1	125.5	127.0	127.3	129.5	132.5	134.0	136.3	140.8	144.2	144.5
160°	126.2	127.3	128.4	128.7	130.4	132.8	134.0	135.9	139.8	142.7	142.9
162.5°	128.3	129.1	130.0	130.2	131.4	133.2	134.0	135.6	138.9	141.4	141.5
165°	130.5	131.3	132.1	132.3	132.8	133.6	134.0	135.2	137.5	139.3	139.4
167.5°	132.6	133.0	133.4	133.4	133.9	134.5	134.9	135.6	137.2	138.4	138.4
170°	134.0	134.4	134.7	134.8	134.8	134.9	134.9	135.6	137.2	138.4	138.4
172.5°	134.7	134.8	134.9	134.9	134.9	134.9	134.9	135.5	136.7	137.6	137.5
175°	135.7	135.7	135.7	135.7	135.4	135.1	134.9	135.3	136.1	136.6	136.6
177.5°	135.7	135.7	135.7	135.7	135.5	135.3	135.1	135.4	136.0	136.4	136.4
180°	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3
2.5°	1302.8	1299.2	1302.8	1300.4	1301.6	1298.0	1287.1	1283.6	1287.1	1290.8	1290.8
5°	1318.4	1316.1	1318.4	1318.4	1317.2	1314.8	1302.8	1300.4	1302.8	1304.0	1301.6
7.5°	1323.2	1319.6	1323.2	1320.8	1320.8	1318.4	1306.4	1304.0	1305.2	1308.8	1305.2
10°	1323.2	1319.6	1323.2	1322.1	1320.8	1318.4	1306.4	1301.6	1301.6	1305.2	1301.6
12.5°	1317.2	1314.8	1317.2	1314.8	1314.8	1312.4	1300.4	1295.6	1296.8	1298.0	1293.2
15°	1307.6	1304.0	1307.6	1305.2	1306.4	1302.8	1289.6	1284.8	1284.8	1287.1	1278.8
17.5°	1293.2	1288.4	1293.2	1292.0	1290.8	1288.4	1276.4	1271.6	1270.3	1271.6	1265.6
20°	1276.4	1272.8	1276.4	1275.1	1275.1	1270.3	1258.3	1252.3	1252.3	1252.3	1246.3
22.5°	1249.9	1246.3	1249.9	1252.3	1252.3	1251.1	1240.3	1231.9	1229.5	1229.5	1222.3
25°	1219.9	1216.3	1219.9	1219.9	1218.6	1219.9	1216.3	1211.5	1207.8	1204.3	1197.1
27.5°	1191.0	1188.6	1191.0	1188.6	1191.0	1187.4	1186.3	1185.0	1180.3	1176.6	1167.0
30°	1162.2	1159.8	1162.2	1159.8	1157.4	1155.0	1149.0	1146.6	1151.3	1149.0	1133.3
32.5°	1126.1	1123.8	1126.1	1126.1	1123.8	1123.8	1114.1	1110.5	1111.7	1118.9	1104.5
35°	1088.8	1085.3	1088.8	1087.7	1088.8	1085.3	1079.3	1078.0	1073.3	1081.6	1070.8
37.5°	1045.6	1042.0	1045.6	1045.6	1045.6	1048.0	1043.2	1039.6	1032.3	1043.2	1034.8
40°	1001.1	996.3	1001.1	1000.0	1001.1	1003.5	1001.1	998.7	991.5	1000.0	992.7
42.5°	950.7	949.5	950.7	951.8	951.8	956.7	960.3	955.5	953.0	947.0	951.8
45°	896.5	894.2	896.5	899.0	900.2	902.5	913.4	913.4	909.8	900.2	907.4
47.5°	838.9	832.9	838.9	846.1	846.1	849.7	860.5	869.0	862.9	850.9	854.5
50°	777.6	778.8	777.6	782.4	782.4	795.7	804.0	812.5	818.5	804.0	787.2
52.5°	717.5	716.3	717.5	721.1	725.9	731.9	746.4	754.7	764.4	756.0	729.5
55°	657.4	659.9	657.4	658.6	661.0	664.6	686.2	694.7	712.7	701.9	674.2
57.5°	597.4	593.7	597.4	599.7	600.9	604.5	622.6	638.2	649.0	650.2	616.6
60°	527.6	522.8	527.6	538.4	540.9	543.2	560.1	574.5	584.1	587.7	552.9
62.5°	466.3	457.9	466.3	473.6	478.4	484.4	496.4	518.0	526.4	527.6	478.4
65°	401.4	397.8	401.4	415.8	417.1	424.3	437.4	453.1	471.1	468.7	397.8
67.5°	342.6	342.6	342.6	352.1	359.3	362.9	379.8	387.0	409.8	412.2	331.7
70°	288.4	287.3	288.4	295.6	300.5	308.9	324.5	332.9	350.9	356.9	269.3
72.5°	236.8	235.6	236.8	242.8	247.6	254.8	268.0	277.6	293.3	300.5	209.1
75°	191.1	188.7	191.1	195.9	194.7	204.3	215.1	224.8	239.1	244.0	155.0
77.5°	146.6	146.6	146.6	151.5	151.5	161.0	165.8	177.8	186.3	193.5	114.2
80°	109.3	108.2	109.3	110.6	110.6	115.3	123.8	132.2	139.4	139.4	78.1
82.5°	77.0	74.5	77.0	77.0	77.0	79.3	84.1	86.5	91.3	95.0	49.3
85°	48.0	48.0	48.0	49.3	48.0	50.5	51.7	54.1	54.1	51.7	30.0
87.5°	31.3	30.0	31.3	30.0	30.0	28.8	28.8	28.8	27.7	26.5	16.8
90°	3.5	3.5	3.5	3.5	3.5	4.6	6.2	6.9	5.9	4.0	2.5
92.5°	13.8	11.1	13.8	16.6	17.3	24.6	34.2	39.0	34.3	24.7	17.6
95°	48.4	40.0	48.4	56.7	58.8	77.1	101.7	114.0	96.2	60.9	34.3
97.5°	115.8	100.0	115.8	131.6	135.6	147.3	162.8	170.6	141.0	82.0	37.7
100°	166.9	148.0	166.9	185.7	190.5	189.7	188.5	187.9	155.2	89.6	40.5
102.5°	217.0	200.8	217.0	233.2	237.3	222.5	202.8	192.8	159.6	93.1	43.3
105°	281.2	272.4	281.2	289.8	292.0	258.8	214.5	192.3	160.1	95.8	47.5
107.5°	323.1	325.2	323.1	321.0	320.5	274.1	212.3	181.4	153.0	96.2	53.7
110°	339.0	348.1	339.0	330.0	327.7	275.9	206.9	172.3	146.7	95.5	57.1



TEST NUMBER: P934034

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-4-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	340.5	354.4	340.5	326.6	323.1	270.1	199.4	164.0	141.2	95.5	61.3
115°	331.5	350.8	331.5	312.1	307.3	256.2	188.1	154.1	134.9	96.4	67.6
117.5°	312.3	333.7	312.3	290.9	285.5	239.4	178.0	147.3	130.9	98.2	73.7
120°	296.9	317.6	296.9	276.1	270.9	228.8	172.6	144.5	129.5	99.6	77.2
122.5°	281.8	302.4	281.8	261.2	256.2	218.2	167.6	142.4	128.8	101.7	81.4
125°	260.4	279.3	260.4	241.5	236.8	204.6	161.6	140.1	128.3	104.6	86.9
127.5°	241.1	257.1	241.1	225.2	221.2	193.6	156.6	138.2	127.9	107.4	92.1
130°	229.8	244.5	229.8	215.0	211.4	186.7	153.9	137.4	128.2	109.5	95.5
132.5°	219.5	232.7	219.5	206.3	203.0	180.9	151.5	136.8	128.3	111.2	98.3
135°	205.4	216.8	205.4	193.9	191.1	172.6	148.0	135.7	128.2	113.0	101.6
137.5°	194.0	203.4	194.0	184.7	182.4	166.7	145.9	135.5	128.9	115.7	105.8
140°	186.2	194.9	186.2	177.6	175.4	161.9	143.9	134.9	129.1	117.3	108.6
142.5°	179.8	187.3	179.8	172.4	170.5	158.6	142.8	134.9	129.5	118.8	110.7
145°	170.2	175.8	170.2	164.6	163.1	153.4	140.4	134.0	129.5	120.6	113.9
147.5°	162.7	167.5	162.7	158.1	156.9	149.3	139.1	134.0	130.4	123.3	117.9
150°	158.1	161.9	158.1	154.3	153.4	146.9	138.3	134.0	130.9	124.6	120.0
152.5°	154.1	157.0	154.1	151.3	150.5	145.0	137.6	134.0	131.2	125.5	121.3
155°	149.5	151.5	149.5	147.6	147.2	142.8	136.9	134.0	131.8	127.5	124.3
157.5°	145.9	147.3	145.9	144.5	144.2	140.8	136.3	134.0	132.5	129.5	127.3
160°	143.7	144.5	143.7	142.9	142.7	139.8	135.9	134.0	132.8	130.4	128.7
162.5°	142.3	143.0	142.3	141.5	141.4	138.9	135.6	134.0	133.2	131.4	130.2
165°	140.3	141.0	140.3	139.4	139.3	137.5	135.2	134.0	133.6	132.8	132.3
167.5°	138.7	139.1	138.7	138.4	138.4	137.2	135.6	134.9	134.5	133.9	133.4
170°	138.4	138.4	138.4	138.4	138.4	137.2	135.6	134.9	134.9	134.8	134.8
172.5°	137.3	137.0	137.3	137.5	137.6	136.7	135.5	134.9	134.9	134.9	134.9
175°	136.6	136.6	136.6	136.6	136.6	136.1	135.3	134.9	135.1	135.4	135.7
177.5°	136.1	135.7	136.1	136.4	136.4	136.0	135.4	135.1	135.3	135.5	135.7
180°	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7



TEST NUMBER: P934034

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-4-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3
2.5°	1288.4	1281.1	1281.1	1269.1	1264.3	1260.8	1254.8	1236.7	1231.9	1227.1	1234.3
5°	1299.2	1286.0	1276.4	1254.8	1236.7	1229.5	1206.6	1163.4	1134.5	1112.9	1100.9
7.5°	1301.6	1284.8	1266.8	1233.1	1189.8	1170.6	1100.9	1021.6	1000.0	980.7	968.7
10°	1299.2	1280.0	1254.8	1204.3	1102.1	1068.5	998.7	947.0	933.8	930.2	933.8
12.5°	1290.8	1272.8	1237.9	1153.8	1010.8	988.0	947.0	917.0	914.6	920.6	953.0
15°	1276.4	1259.6	1218.6	1086.5	960.3	943.5	914.6	903.8	917.0	959.0	1056.5
17.5°	1261.9	1242.7	1192.3	1020.3	921.8	909.8	889.4	911.0	985.5	1042.0	1074.5
20°	1242.7	1219.9	1162.2	972.3	894.2	883.3	873.7	971.1	1027.6	1048.0	1066.0
22.5°	1219.9	1195.8	1121.3	938.7	865.3	856.9	862.9	1004.8	1027.6	1042.0	1057.6
25°	1189.8	1169.4	1073.3	912.2	842.5	832.9	855.7	1001.1	1014.3	1018.0	1049.2
27.5°	1162.2	1135.8	1022.8	888.2	814.9	811.2	861.7	985.5	995.1	998.7	1032.3
30°	1128.5	1088.8	966.3	862.9	786.0	784.8	862.9	966.3	963.9	973.5	1007.2
32.5°	1093.7	1019.2	902.5	831.7	758.4	757.2	854.5	937.5	935.0	948.3	973.5
35°	1061.3	965.1	816.0	795.7	723.5	724.7	834.0	903.8	905.0	917.0	932.7
37.5°	1027.6	918.2	721.1	756.0	689.9	689.9	806.4	872.5	870.2	873.7	895.4
40°	988.0	844.9	637.0	704.2	658.6	655.0	772.8	838.9	830.5	829.3	859.3
42.5°	945.8	764.4	574.5	635.7	622.6	617.7	731.9	798.0	782.4	786.0	824.5
45°	900.2	742.7	526.4	537.2	585.3	581.7	687.4	751.2	740.4	750.0	789.7
47.5°	854.5	699.5	510.8	445.9	545.6	544.4	638.2	705.5	699.5	709.1	751.2
50°	792.0	651.4	509.6	382.2	501.2	505.9	579.3	661.0	661.0	669.4	713.9
52.5°	711.5	592.5	462.7	346.1	449.5	463.9	527.6	622.6	624.9	633.4	673.0
55°	638.2	531.2	429.1	318.5	388.2	419.4	477.1	582.9	587.7	596.1	632.2
57.5°	570.9	442.3	421.9	286.1	331.7	361.8	432.6	544.4	546.9	554.1	588.9
60°	498.8	319.6	387.0	251.2	282.4	305.3	391.8	498.8	507.2	511.9	542.1
62.5°	417.1	232.0	350.9	227.1	258.4	263.2	358.1	455.5	466.3	469.9	487.9
65°	296.8	194.7	298.1	206.8	233.1	234.3	322.1	411.1	420.6	426.6	439.9
67.5°	200.7	158.6	227.1	187.5	213.9	215.1	287.3	359.3	372.6	377.4	385.8
70°	139.4	105.8	168.3	167.1	192.3	194.7	250.0	312.5	324.5	328.1	332.9
72.5°	102.2	85.3	139.4	150.3	169.5	171.8	211.5	259.6	271.6	275.3	277.6
75°	78.1	90.1	113.0	131.0	144.2	145.5	173.1	211.5	220.0	222.3	223.5
77.5°	62.5	84.1	83.0	105.8	117.8	115.3	135.8	163.5	170.6	170.6	170.6
80°	46.8	66.1	62.5	75.7	86.5	84.1	97.3	116.6	119.0	121.3	120.2
82.5°	34.8	42.0	42.0	48.0	57.7	55.3	64.9	75.7	75.7	75.7	78.1
85°	21.6	24.0	19.2	25.2	32.5	31.3	36.0	40.8	42.0	42.0	39.7
87.5°	13.2	10.8	6.0	9.6	14.5	14.5	16.8	18.0	16.8	16.8	16.8
90°	2.4	1.6	0.9	1.6	2.4	2.5	4.0	5.9	6.9	6.2	4.6
92.5°	16.0	9.8	3.6	9.8	16.0	17.6	24.7	34.3	39.0	34.2	24.6
95°	31.5	20.1	8.7	20.1	31.5	34.3	60.9	96.2	114.0	101.7	77.1
97.5°	35.1	25.1	15.1	25.1	35.1	37.7	82.0	141.0	170.6	162.8	147.3
100°	38.2	29.1	20.0	29.1	38.2	40.5	89.6	155.2	187.9	188.5	189.7
102.5°	41.2	32.7	24.2	32.7	41.2	43.3	93.1	159.6	192.8	202.8	222.5
105°	45.7	38.6	31.4	38.6	45.7	47.5	95.8	160.1	192.3	214.5	258.8
107.5°	52.0	45.3	38.7	45.3	52.0	53.7	96.2	153.0	181.4	212.3	274.1
110°	55.6	49.6	43.6	49.6	55.6	57.1	95.5	146.7	172.3	206.9	275.9



TEST NUMBER: P934034

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-4-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	59.9	54.1	48.4	54.1	59.9	61.3	95.5	141.2	164.0	199.4	270.1
115°	66.2	60.9	55.7	60.9	66.2	67.6	96.4	134.9	154.1	188.1	256.2
117.5°	72.5	67.7	62.9	67.7	72.5	73.7	98.2	130.9	147.3	178.0	239.4
120°	76.1	71.6	67.0	71.6	76.1	77.2	99.6	129.5	144.5	172.6	228.8
122.5°	80.2	75.7	71.1	75.7	80.2	81.4	101.7	128.8	142.4	167.6	218.2
125°	85.8	81.6	77.4	81.6	85.8	86.9	104.6	128.3	140.1	161.6	204.6
127.5°	91.0	86.8	82.5	86.8	91.0	92.1	107.4	127.9	138.2	156.6	193.6
130°	94.3	89.8	85.2	89.8	94.3	95.5	109.5	128.2	137.4	153.9	186.7
132.5°	97.2	92.7	88.1	92.7	97.2	98.3	111.2	128.3	136.8	151.5	180.9
135°	100.6	96.4	92.3	96.4	100.6	101.6	113.0	128.2	135.7	148.0	172.6
137.5°	104.8	100.7	96.6	100.7	104.8	105.8	115.7	128.9	135.5	145.9	166.7
140°	107.7	103.9	100.2	103.9	107.7	108.6	117.3	129.1	134.9	143.9	161.9
142.5°	109.8	106.3	102.9	106.3	109.8	110.7	118.8	129.5	134.9	142.8	158.6
145°	113.2	110.1	107.1	110.1	113.2	113.9	120.6	129.5	134.0	140.4	153.4
147.5°	117.2	114.2	111.2	114.2	117.2	117.9	123.3	130.4	134.0	139.1	149.3
150°	119.3	116.6	114.0	116.6	119.3	120.0	124.6	130.9	134.0	138.3	146.9
152.5°	120.8	118.8	116.8	118.8	120.8	121.3	125.5	131.2	134.0	137.6	145.0
155°	124.0	122.4	121.0	122.4	124.0	124.3	127.5	131.8	134.0	136.9	142.8
157.5°	127.0	125.5	124.1	125.5	127.0	127.3	129.5	132.5	134.0	136.3	140.8
160°	128.4	127.3	126.2	127.3	128.4	128.7	130.4	132.8	134.0	135.9	139.8
162.5°	130.0	129.1	128.3	129.1	130.0	130.2	131.4	133.2	134.0	135.6	138.9
165°	132.1	131.3	130.5	131.3	132.1	132.3	132.8	133.6	134.0	135.2	137.5
167.5°	133.4	133.0	132.6	133.0	133.4	133.4	133.9	134.5	134.9	135.6	137.2
170°	134.7	134.4	134.0	134.4	134.7	134.8	134.8	134.9	134.9	135.6	137.2
172.5°	134.9	134.8	134.7	134.8	134.9	134.9	134.9	134.9	134.9	135.5	136.7
175°	135.7	135.7	135.7	135.7	135.7	135.7	135.4	135.1	134.9	135.3	136.1
177.5°	135.7	135.7	135.7	135.7	135.7	135.7	135.5	135.3	135.1	135.4	136.0
180°	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7



TEST NUMBER: P934034

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-4-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3	1270.3
2.5°	1225.9	1222.3	1227.1	1213.8	1227.1	1222.3	1225.9	1234.3	1227.1	1231.9	1236.7
5°	1075.6	1069.6	1050.4	1034.8	1050.4	1069.6	1075.6	1100.9	1112.9	1134.5	1163.4
7.5°	961.5	956.7	951.8	942.2	951.8	956.7	961.5	968.7	980.7	1000.0	1021.6
10°	936.2	937.5	944.7	943.5	944.7	937.5	936.2	933.8	930.2	933.8	947.0
12.5°	1001.1	1012.0	1051.6	1049.2	1051.6	1012.0	1001.1	953.0	920.6	914.6	917.0
15°	1075.6	1079.3	1087.7	1088.8	1087.7	1079.3	1075.6	1056.5	959.0	917.0	903.8
17.5°	1082.8	1084.1	1090.1	1090.1	1090.1	1084.1	1082.8	1074.5	1042.0	985.5	911.0
20°	1076.8	1079.3	1091.3	1093.7	1091.3	1079.3	1076.8	1066.0	1048.0	1027.6	971.1
22.5°	1074.5	1079.3	1088.8	1087.7	1088.8	1079.3	1074.5	1057.6	1042.0	1027.6	1004.8
25°	1062.5	1062.5	1063.6	1064.8	1063.6	1062.5	1062.5	1049.2	1018.0	1014.3	1001.1
27.5°	1037.2	1039.6	1046.8	1045.6	1046.8	1039.6	1037.2	1032.3	998.7	995.1	985.5
30°	1014.3	1012.0	1006.0	1001.1	1006.0	1012.0	1014.3	1007.2	973.5	963.9	966.3
32.5°	975.9	969.9	963.9	960.3	963.9	969.9	975.9	973.5	948.3	935.0	937.5
35°	930.2	931.5	930.2	926.6	930.2	931.5	930.2	932.7	917.0	905.0	903.8
37.5°	897.8	900.2	899.0	894.2	899.0	900.2	897.8	895.4	873.7	870.2	872.5
40°	864.2	865.3	864.2	860.5	864.2	865.3	864.2	859.3	829.3	830.5	838.9
42.5°	831.7	830.5	826.9	824.5	826.9	830.5	831.7	824.5	786.0	782.4	798.0
45°	794.4	795.7	788.4	784.8	788.4	795.7	794.4	789.7	750.0	740.4	751.2
47.5°	757.2	757.2	751.2	747.5	751.2	757.2	757.2	751.2	709.1	699.5	705.5
50°	717.5	716.3	707.9	706.7	707.9	716.3	717.5	713.9	669.4	661.0	661.0
52.5°	671.9	671.9	673.0	675.4	673.0	671.9	671.9	673.0	633.4	624.9	622.6
55°	632.2	633.4	641.7	644.2	641.7	633.4	632.2	632.2	596.1	587.7	582.9
57.5°	591.3	591.3	597.4	597.4	597.4	591.3	591.3	588.9	554.1	546.9	544.4
60°	544.4	546.9	551.6	550.4	551.6	546.9	544.4	542.1	511.9	507.2	498.8
62.5°	495.1	497.6	498.8	496.4	498.8	497.6	495.1	487.9	469.9	466.3	455.5
65°	443.4	445.9	447.1	444.7	447.1	445.9	443.4	439.9	426.6	420.6	411.1
67.5°	390.6	389.4	388.2	393.0	388.2	389.4	390.6	385.8	377.4	372.6	359.3
70°	336.5	336.5	335.3	337.7	335.3	336.5	336.5	332.9	328.1	324.5	312.5
72.5°	278.8	277.6	282.4	278.8	282.4	277.6	278.8	277.6	275.3	271.6	259.6
75°	222.3	224.8	222.3	226.0	222.3	224.8	222.3	223.5	222.3	220.0	211.5
77.5°	169.5	171.8	169.5	169.5	169.5	171.8	169.5	170.6	170.6	170.6	163.5
80°	120.2	119.0	119.0	117.8	119.0	119.0	120.2	120.2	121.3	119.0	116.6
82.5°	77.0	75.7	75.7	78.1	75.7	75.7	77.0	78.1	75.7	75.7	75.7
85°	42.0	43.3	40.8	40.8	40.8	43.3	42.0	39.7	42.0	42.0	40.8
87.5°	15.6	14.5	14.5	14.5	14.5	14.5	15.6	16.8	16.8	16.8	18.0
90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.6	6.2	6.9	5.9
92.5°	17.3	16.6	13.8	11.1	13.8	16.6	17.3	24.6	34.2	39.0	34.3
95°	58.8	56.7	48.4	40.0	48.4	56.7	58.8	77.1	101.7	114.0	96.2
97.5°	135.6	131.6	115.8	100.0	115.8	131.6	135.6	147.3	162.8	170.6	141.0
100°	190.5	185.7	166.9	148.0	166.9	185.7	190.5	189.7	188.5	187.9	155.2
102.5°	237.3	233.2	217.0	200.8	217.0	233.2	237.3	222.5	202.8	192.8	159.6
105°	292.0	289.8	281.2	272.4	281.2	289.8	292.0	258.8	214.5	192.3	160.1
107.5°	320.5	321.0	323.1	325.2	323.1	321.0	320.5	274.1	212.3	181.4	153.0
110°	327.7	330.0	339.0	348.1	339.0	330.0	327.7	275.9	206.9	172.3	146.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	323.1	326.6	340.5	354.4	340.5	326.6	323.1	270.1	199.4	164.0	141.2
115°	307.3	312.1	331.5	350.8	331.5	312.1	307.3	256.2	188.1	154.1	134.9
117.5°	285.5	290.9	312.3	333.7	312.3	290.9	285.5	239.4	178.0	147.3	130.9
120°	270.9	276.1	296.9	317.6	296.9	276.1	270.9	228.8	172.6	144.5	129.5
122.5°	256.2	261.2	281.8	302.4	281.8	261.2	256.2	218.2	167.6	142.4	128.8
125°	236.8	241.5	260.4	279.3	260.4	241.5	236.8	204.6	161.6	140.1	128.3
127.5°	221.2	225.2	241.1	257.1	241.1	225.2	221.2	193.6	156.6	138.2	127.9
130°	211.4	215.0	229.8	244.5	229.8	215.0	211.4	186.7	153.9	137.4	128.2
132.5°	203.0	206.3	219.5	232.7	219.5	206.3	203.0	180.9	151.5	136.8	128.3
135°	191.1	193.9	205.4	216.8	205.4	193.9	191.1	172.6	148.0	135.7	128.2
137.5°	182.4	184.7	194.0	203.4	194.0	184.7	182.4	166.7	145.9	135.5	128.9
140°	175.4	177.6	186.2	194.9	186.2	177.6	175.4	161.9	143.9	134.9	129.1
142.5°	170.5	172.4	179.8	187.3	179.8	172.4	170.5	158.6	142.8	134.9	129.5
145°	163.1	164.6	170.2	175.8	170.2	164.6	163.1	153.4	140.4	134.0	129.5
147.5°	156.9	158.1	162.7	167.5	162.7	158.1	156.9	149.3	139.1	134.0	130.4
150°	153.4	154.3	158.1	161.9	158.1	154.3	153.4	146.9	138.3	134.0	130.9
152.5°	150.5	151.3	154.1	157.0	154.1	151.3	150.5	145.0	137.6	134.0	131.2
155°	147.2	147.6	149.5	151.5	149.5	147.6	147.2	142.8	136.9	134.0	131.8
157.5°	144.2	144.5	145.9	147.3	145.9	144.5	144.2	140.8	136.3	134.0	132.5
160°	142.7	142.9	143.7	144.5	143.7	142.9	142.7	139.8	135.9	134.0	132.8
162.5°	141.4	141.5	142.3	143.0	142.3	141.5	141.4	138.9	135.6	134.0	133.2
165°	139.3	139.4	140.3	141.0	140.3	139.4	139.3	137.5	135.2	134.0	133.6
167.5°	138.4	138.4	138.7	139.1	138.7	138.4	138.4	137.2	135.6	134.9	134.5
170°	138.4	138.4	138.4	138.4	138.4	138.4	138.4	137.2	135.6	134.9	134.9
172.5°	137.6	137.5	137.3	137.0	137.3	137.5	137.6	136.7	135.5	134.9	134.9
175°	136.6	136.6	136.6	136.6	136.6	136.6	136.6	136.1	135.3	134.9	135.1
177.5°	136.4	136.4	136.1	135.7	136.1	136.4	136.4	136.0	135.4	135.1	135.3
180°	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1270.3	1270.3	1270.3	1270.3	1270.3
2.5°	1254.8	1260.8	1264.3	1269.1	1281.1
5°	1206.6	1229.5	1236.7	1254.8	1276.4
7.5°	1100.9	1170.6	1189.8	1233.1	1266.8
10°	998.7	1068.5	1102.1	1204.3	1254.8
12.5°	947.0	988.0	1010.8	1153.8	1237.9
15°	914.6	943.5	960.3	1086.5	1218.6
17.5°	889.4	909.8	921.8	1020.3	1192.3
20°	873.7	883.3	894.2	972.3	1162.2
22.5°	862.9	856.9	865.3	938.7	1121.3
25°	855.7	832.9	842.5	912.2	1073.3
27.5°	861.7	811.2	814.9	888.2	1022.8
30°	862.9	784.8	786.0	862.9	966.3
32.5°	854.5	757.2	758.4	831.7	902.5
35°	834.0	724.7	723.5	795.7	816.0
37.5°	806.4	689.9	689.9	756.0	721.1
40°	772.8	655.0	658.6	704.2	637.0
42.5°	731.9	617.7	622.6	635.7	574.5
45°	687.4	581.7	585.3	537.2	526.4
47.5°	638.2	544.4	545.6	445.9	510.8
50°	579.3	505.9	501.2	382.2	509.6
52.5°	527.6	463.9	449.5	346.1	462.7
55°	477.1	419.4	388.2	318.5	429.1
57.5°	432.6	361.8	331.7	286.1	421.9
60°	391.8	305.3	282.4	251.2	387.0
62.5°	358.1	263.2	258.4	227.1	350.9
65°	322.1	234.3	233.1	206.8	298.1
67.5°	287.3	215.1	213.9	187.5	227.1
70°	250.0	194.7	192.3	167.1	168.3
72.5°	211.5	171.8	169.5	150.3	139.4
75°	173.1	145.5	144.2	131.0	113.0
77.5°	135.8	115.3	117.8	105.8	83.0
80°	97.3	84.1	86.5	75.7	62.5
82.5°	64.9	55.3	57.7	48.0	42.0
85°	36.0	31.3	32.5	25.2	19.2
87.5°	16.8	14.5	14.5	9.6	6.0
90°	4.0	2.5	2.4	1.6	0.9
92.5°	24.7	17.6	16.0	9.8	3.6
95°	60.9	34.3	31.5	20.1	8.7
97.5°	82.0	37.7	35.1	25.1	15.1
100°	89.6	40.5	38.2	29.1	20.0
102.5°	93.1	43.3	41.2	32.7	24.2
105°	95.8	47.5	45.7	38.6	31.4
107.5°	96.2	53.7	52.0	45.3	38.7
110°	95.5	57.1	55.6	49.6	43.6



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CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-4-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	95.5	61.3	59.9	54.1	48.4
115°	96.4	67.6	66.2	60.9	55.7
117.5°	98.2	73.7	72.5	67.7	62.9
120°	99.6	77.2	76.1	71.6	67.0
122.5°	101.7	81.4	80.2	75.7	71.1
125°	104.6	86.9	85.8	81.6	77.4
127.5°	107.4	92.1	91.0	86.8	82.5
130°	109.5	95.5	94.3	89.8	85.2
132.5°	111.2	98.3	97.2	92.7	88.1
135°	113.0	101.6	100.6	96.4	92.3
137.5°	115.7	105.8	104.8	100.7	96.6
140°	117.3	108.6	107.7	103.9	100.2
142.5°	118.8	110.7	109.8	106.3	102.9
145°	120.6	113.9	113.2	110.1	107.1
147.5°	123.3	117.9	117.2	114.2	111.2
150°	124.6	120.0	119.3	116.6	114.0
152.5°	125.5	121.3	120.8	118.8	116.8
155°	127.5	124.3	124.0	122.4	121.0
157.5°	129.5	127.3	127.0	125.5	124.1
160°	130.4	128.7	128.4	127.3	126.2
162.5°	131.4	130.2	130.0	129.1	128.3
165°	132.8	132.3	132.1	131.3	130.5
167.5°	133.9	133.4	133.4	133.0	132.6
170°	134.8	134.8	134.7	134.4	134.0
172.5°	134.9	134.9	134.9	134.8	134.7
175°	135.4	135.7	135.7	135.7	135.7
177.5°	135.5	135.7	135.7	135.7	135.7
180°	135.7	135.7	135.7	135.7	135.7



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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	15.70	16.90	16.36	17.58	18.36	18.50	19.70	19.16	20.37	21.16
	3H	16.20	17.28	16.88	17.97	18.79	19.86	20.93	20.53	21.62	22.44
	4H	16.41	17.42	17.10	18.12	18.96	20.31	21.33	21.01	22.03	22.86
	6H	16.54	17.48	17.25	18.19	19.04	20.60	21.54	21.31	22.25	23.10
	8H	16.56	17.45	17.27	18.18	19.03	20.68	21.58	21.40	22.31	23.16
	12H	16.54	17.39	17.26	18.11	18.99	20.73	21.58	21.45	22.31	23.19
4H	2H	16.76	17.78	17.46	18.48	19.31	18.95	19.96	19.65	20.66	21.50
	3H	17.82	18.67	18.53	19.41	20.26	20.47	21.32	21.19	22.06	22.91
	4H	18.11	18.88	18.84	19.62	20.50	21.01	21.78	21.74	22.52	23.40
	6H	18.26	18.92	19.00	19.69	20.58	21.39	22.05	22.13	22.82	23.71
	8H	18.27	18.89	19.02	19.65	20.56	21.50	22.12	22.25	22.88	23.78
	12H	18.25	18.81	19.02	19.60	20.51	21.56	22.12	22.34	22.91	23.82
8H	4H	18.59	19.21	19.34	19.97	20.87	21.16	21.78	21.91	22.55	23.45
	6H	18.86	19.38	19.64	20.18	21.09	21.60	22.12	22.39	22.92	23.83
	8H	18.91	19.37	19.70	20.17	21.09	21.75	22.21	22.55	23.02	23.94
	12H	18.91	19.31	19.70	20.11	21.09	21.86	22.27	22.66	23.06	24.04
12H	4H	18.61	19.17	19.38	19.95	20.86	21.14	21.70	21.91	22.49	23.40
	6H	18.92	19.38	19.72	20.19	21.11	21.60	22.06	22.40	22.87	23.79
	8H	19.01	19.41	19.80	20.21	21.19	21.78	22.18	22.57	22.97	23.96