

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: P933951

Luminaire Tested: SQ4-FA-025U-075D-930-1D-UNV-STD-W-6

Issue Date: 12/17/2024

**Test Information**

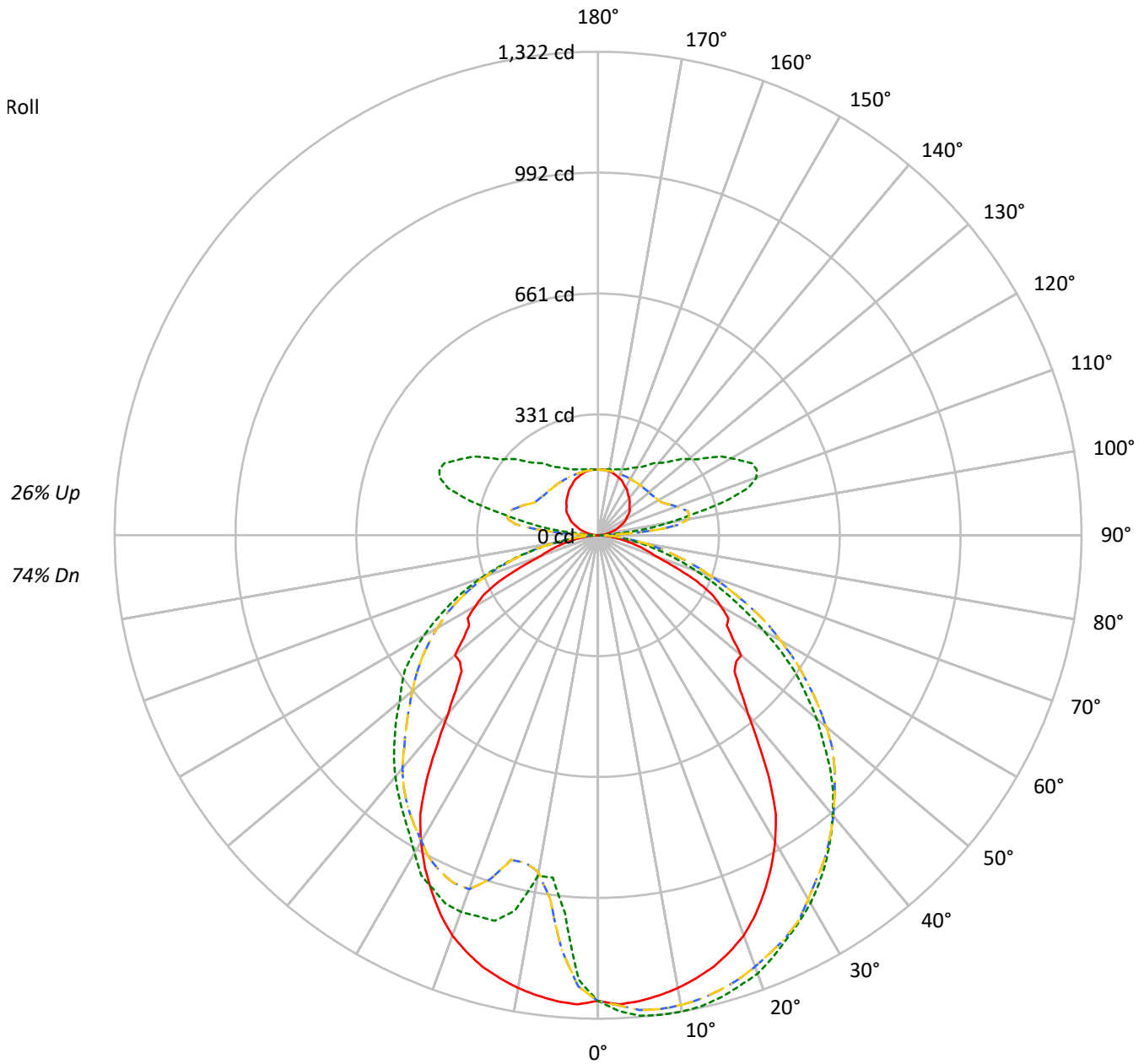
Test Method: LM-79-2019  
Report Number: P933951  
REPORT IS A COMBINATION OF REPORTS P933679 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-025U-075D-930-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4467.0 lumens  
Efficiency: N/A  
Efficacy: 99.3 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: Semi-Direct  
  
Input Watts (W): 45  
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				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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	78	78	78	74
1	103	99	95	91	98	94	90	87	85	82	80	77	75	73	69	68	66	66	66	66	62
2	94	86	80	75	89	82	77	72	75	70	66	68	64	61	61	58	56	56	56	56	52
3	86	76	68	62	81	72	66	60	66	60	56	60	55	52	54	51	48	48	48	48	44
4	79	67	59	53	74	64	57	51	59	52	48	53	48	44	48	44	41	41	41	41	38
5	72	60	52	45	68	57	50	44	52	46	41	48	42	38	43	39	36	36	36	36	33
6	67	54	46	39	63	52	44	38	47	41	36	43	38	34	39	35	31	31	31	31	29
7	62	49	41	35	58	47	39	34	43	36	32	39	34	30	36	31	28	28	28	28	26
8	57	44	36	31	54	43	35	30	39	33	28	36	31	27	33	28	25	25	25	25	23
9	53	41	33	28	51	39	32	27	36	30	25	33	28	24	30	26	23	23	23	23	21
10	50	37	30	25	48	36	29	24	33	27	23	31	25	22	28	24	20	20	20	20	19

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

	0°	90°	180°	270°
0°	7876	7876	7876	7876
5°	7932	7950	7932	6252
10°	7876	7831	7876	5599
15°	7788	7662	7788	6398
20°	7622	7461	7622	6411
25°	7285	7168	7285	6275
30°	6852	6924	6852	5977
35°	6105	6617	6105	5649
40°	5084	6254	5084	5401
45°	4540	5829	4540	5116
50°	4819	5324	4819	4831
55°	4530	4779	4530	4665
60°	4663	4059	4663	4273
65°	4221	3355	4221	3751
70°	2916	2674	2916	3144
75°	2547	1976	2547	2366
80°	2038	1307	2038	1422
85°	1151	692	1151	589

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 6963 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.9	2.6
10°-20°	326.3	7.3
20°-30°	504.4	11.3
30°-40°	602.1	13.5
40°-50°	605.7	13.6
50°-60°	527.0	11.8
60°-70°	373.7	8.4
70°-80°	197.7	4.4
80°-90°	49.9	1.1
90°-100°	87.6	2.0
100°-110°	230.4	5.2
110°-120°	238.9	5.3
120°-130°	191.6	4.3
130°-140°	150.3	3.4
140°-150°	115.4	2.6
150°-160°	83.1	1.9
160°-170°	50.8	1.1
170°-180°	17.2	0.4
0°-30°	945.6	21.2
0°-40°	1547.8	34.6
0°-60°	2680.5	60.0
0°-90°	3301.8	73.9
90°-120°	556.8	12.5
90°-150°	1014.1	22.7
90°-180°	1165.0	26.1
0°-180°	4467.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1273	1273	1273	1273	1273	
5°	1279	1319	1279	1037	1279	121
15°	1221	1307	1221	1091	1221	344
25°	1076	1219	1076	1067	1076	494
35°	818	1088	818	929	818	506
45°	528	896	528	786	528	423
55°	430	661	430	646	430	395
65°	299	399	299	446	299	285
75°	113	189	113	226	113	119
85°	19	48	19	41	19	26
90°	1	5	1	5	1	2
95°	12	53	12	53	12	13
105°	42	361	42	361	42	44
115°	74	464	74	464	74	73
125°	102	370	102	370	102	91
135°	122	287	122	287	122	95
145°	142	233	142	233	142	89
155°	160	200	160	200	160	74
165°	173	187	173	187	173	49
175°	180	181	180	181	180	17
180°	180	180	180	180	180	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2
2.5°	1284.0	1284.0	1291.2	1293.6	1293.6	1290.0	1286.4	1290.0	1300.9	1304.5	1303.3
5°	1279.2	1288.8	1302.1	1304.5	1306.9	1305.7	1303.3	1305.7	1317.7	1320.1	1321.3
7.5°	1269.5	1287.6	1304.5	1308.1	1311.7	1308.1	1306.9	1309.3	1321.3	1323.7	1323.7
10°	1257.5	1282.8	1302.1	1304.5	1308.1	1304.5	1304.5	1309.3	1321.3	1323.7	1325.0
12.5°	1240.6	1275.6	1293.6	1296.0	1300.9	1299.7	1298.5	1303.3	1315.3	1317.7	1317.7
15°	1221.4	1262.3	1279.2	1281.6	1290.0	1287.6	1287.6	1292.4	1305.7	1309.3	1308.1
17.5°	1194.9	1245.5	1264.7	1268.3	1274.4	1273.2	1274.4	1279.2	1291.2	1293.6	1294.8
20°	1164.8	1222.6	1245.5	1249.1	1255.1	1255.1	1255.1	1261.1	1273.2	1278.0	1278.0
22.5°	1123.8	1198.5	1222.6	1225.0	1232.2	1232.2	1234.6	1243.0	1253.9	1255.1	1255.1
25°	1075.6	1172.0	1192.5	1199.7	1206.9	1210.5	1214.1	1219.0	1222.6	1221.4	1222.6
27.5°	1025.0	1138.3	1164.8	1169.6	1179.2	1182.8	1187.6	1188.8	1190.0	1193.7	1191.3
30°	968.4	1091.3	1131.0	1135.8	1151.5	1153.9	1149.1	1151.5	1157.5	1159.9	1162.3
32.5°	904.6	1021.4	1096.1	1106.9	1121.4	1114.2	1113.0	1116.6	1126.2	1126.2	1128.6
35°	817.9	967.2	1063.6	1073.2	1084.0	1075.6	1080.4	1081.6	1087.7	1091.3	1090.1
37.5°	722.7	920.2	1029.8	1037.1	1045.5	1034.7	1041.9	1045.5	1050.3	1047.9	1047.9
40°	638.4	846.8	990.1	994.9	1002.1	993.7	1000.9	1003.3	1005.8	1003.3	1002.1
42.5°	575.8	766.1	947.9	954.0	949.1	955.2	957.6	962.4	958.8	954.0	954.0
45°	527.6	744.4	902.2	909.4	902.2	911.8	915.4	915.4	904.6	902.2	901.0
47.5°	511.9	701.0	856.4	856.4	852.8	864.8	870.9	862.4	851.6	848.0	848.0
50°	510.7	652.8	793.8	788.9	805.8	820.3	814.2	805.8	797.4	784.1	784.1
52.5°	463.7	593.8	713.1	731.1	757.6	766.1	756.4	748.0	733.5	727.5	722.7
55°	430.0	532.4	639.6	675.7	703.4	714.3	696.2	687.8	666.1	662.5	660.1
57.5°	422.8	443.3	572.1	617.9	651.6	650.4	639.6	623.9	605.9	602.2	601.0
60°	387.8	320.4	499.9	554.1	589.0	585.4	575.8	561.3	544.4	542.0	539.6
62.5°	351.7	232.5	418.0	479.4	528.8	527.6	519.1	497.5	485.4	479.4	474.6
65°	298.7	195.1	297.5	398.7	469.8	472.2	454.1	438.4	425.2	418.0	416.8
67.5°	227.7	159.0	201.2	332.4	413.1	410.7	387.8	380.6	363.8	360.1	352.9
70°	168.6	106.0	139.7	269.8	357.7	351.7	333.6	325.2	309.6	301.1	296.3
72.5°	139.7	85.5	102.4	209.6	301.1	293.9	278.2	268.6	255.4	248.1	243.3
75°	113.2	90.3	78.3	155.4	244.5	239.7	225.2	215.6	204.8	195.1	196.3
77.5°	83.1	84.3	62.6	114.4	193.9	186.7	178.3	166.2	161.4	151.8	151.8
80°	62.6	66.2	47.0	78.3	139.7	139.7	132.5	124.1	115.6	110.8	110.8
82.5°	42.2	42.2	34.9	49.4	95.2	91.5	86.7	84.3	79.5	77.1	77.1
85°	19.3	24.1	21.7	30.1	51.8	54.2	54.2	51.8	50.6	48.2	49.4
87.5°	6.0	10.8	13.2	16.9	26.5	27.7	28.9	28.9	28.9	30.1	30.1
90°	1.2	2.2	3.1	3.4	5.3	7.9	9.2	8.1	6.1	4.6	4.6
92.5°	4.8	13.0	21.2	23.3	32.8	45.4	51.6	45.2	32.4	22.9	22.0
95°	11.6	26.6	41.6	45.4	80.5	127.4	150.9	134.7	102.1	77.8	75.1
97.5°	20.0	33.2	46.5	49.8	108.5	186.7	225.8	215.5	195.0	179.6	174.4
100°	26.6	38.5	50.6	53.6	118.7	205.5	248.8	249.6	251.1	252.2	246.0
102.5°	32.1	43.4	54.5	57.3	123.3	211.3	255.4	268.4	294.6	314.3	308.9
105°	41.5	51.0	60.5	62.9	126.8	212.0	254.6	283.9	342.6	386.6	383.8
107.5°	51.2	60.0	68.8	71.1	127.4	202.6	240.2	281.1	363.0	424.3	425.0
110°	57.7	65.7	73.6	75.6	126.5	194.2	228.1	273.9	365.4	433.9	436.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	64.1	71.7	79.3	81.2	126.5	186.9	217.1	263.9	357.6	427.8	432.3
115°	73.7	80.8	87.8	89.5	127.7	178.5	204.0	249.1	339.3	406.9	413.3
117.5°	83.3	89.6	96.0	97.6	130.0	173.3	195.0	235.7	317.0	378.1	385.1
120°	88.8	94.8	100.8	102.3	132.0	171.6	191.4	228.5	302.9	358.7	365.6
122.5°	94.2	100.3	106.3	107.8	134.7	170.6	188.5	222.0	289.0	339.3	346.1
125°	102.5	108.1	113.6	115.0	138.5	169.9	185.6	214.0	270.9	313.6	319.8
127.5°	109.3	114.8	120.4	121.8	142.2	169.4	183.0	207.4	256.3	292.9	298.2
130°	112.9	118.9	124.9	126.4	144.9	169.7	182.0	203.8	247.2	279.8	284.7
132.5°	116.7	122.7	128.6	130.2	147.2	169.9	181.2	200.7	239.6	268.8	273.1
135°	122.2	127.7	133.1	134.5	149.6	169.8	179.8	196.1	228.7	253.1	256.9
137.5°	127.9	133.3	138.7	140.0	153.2	170.8	179.6	193.4	220.9	241.5	244.6
140°	132.6	137.6	142.5	143.8	155.5	171.0	178.7	190.6	214.4	232.2	235.1
142.5°	136.2	140.8	145.4	146.5	157.2	171.5	178.7	189.1	210.1	225.7	228.2
145°	141.7	145.7	149.8	150.8	159.7	171.5	177.5	186.0	203.1	215.9	217.8
147.5°	147.3	151.2	155.1	156.1	163.2	172.7	177.5	184.2	197.6	207.7	209.3
150°	150.9	154.4	158.0	158.9	165.1	173.4	177.5	183.2	194.5	203.0	204.3
152.5°	154.7	157.3	160.0	160.7	166.3	173.8	177.5	182.3	192.0	199.3	200.3
155°	160.2	162.2	164.2	164.7	169.0	174.7	177.5	181.3	189.0	194.8	195.5
157.5°	164.3	166.2	168.1	168.6	171.6	175.5	177.5	180.4	186.5	191.0	191.4
160°	167.1	168.6	170.1	170.5	172.8	175.9	177.5	180.0	185.2	189.0	189.3
162.5°	169.8	171.0	172.1	172.4	174.1	176.3	177.5	179.6	184.0	187.3	187.5
165°	172.9	173.8	174.9	175.1	175.9	177.0	177.5	179.0	182.1	184.4	184.7
167.5°	175.6	176.1	176.6	176.7	177.4	178.3	178.7	179.7	181.7	183.2	183.3
170°	177.5	177.9	178.4	178.5	178.6	178.7	178.7	179.7	181.7	183.2	183.2
172.5°	178.4	178.5	178.7	178.7	178.7	178.7	178.7	179.5	181.1	182.3	182.2
175°	179.8	179.8	179.8	179.8	179.4	178.9	178.7	179.1	180.2	181.0	181.0
177.5°	179.8	179.8	179.8	179.8	179.5	179.1	178.9	179.3	180.1	180.8	180.7
180°	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2
2.5°	1305.7	1302.1	1305.7	1303.3	1304.5	1300.9	1290.0	1286.4	1290.0	1293.6	1293.6
5°	1321.3	1318.9	1321.3	1321.3	1320.1	1317.7	1305.7	1303.3	1305.7	1306.9	1304.5
7.5°	1326.2	1322.5	1326.2	1323.7	1323.7	1321.3	1309.3	1306.9	1308.1	1311.7	1308.1
10°	1326.2	1322.5	1326.2	1325.0	1323.7	1321.3	1309.3	1304.5	1304.5	1308.1	1304.5
12.5°	1320.1	1317.7	1320.1	1317.7	1317.7	1315.3	1303.3	1298.5	1299.7	1300.9	1296.0
15°	1310.5	1306.9	1310.5	1308.1	1309.3	1305.7	1292.4	1287.6	1287.6	1290.0	1281.6
17.5°	1296.0	1291.2	1296.0	1294.8	1293.6	1291.2	1279.2	1274.4	1273.2	1274.4	1268.3
20°	1279.2	1275.6	1279.2	1278.0	1278.0	1273.2	1261.1	1255.1	1255.1	1255.1	1249.1
22.5°	1252.7	1249.1	1252.7	1255.1	1255.1	1253.9	1243.0	1234.6	1232.2	1232.2	1225.0
25°	1222.6	1219.0	1222.6	1222.6	1221.4	1222.6	1219.0	1214.1	1210.5	1206.9	1199.7
27.5°	1193.7	1191.3	1193.7	1191.3	1193.7	1190.0	1188.8	1187.6	1182.8	1179.2	1169.6
30°	1164.8	1162.3	1164.8	1162.3	1159.9	1157.5	1151.5	1149.1	1153.9	1151.5	1135.8
32.5°	1128.6	1126.2	1128.6	1128.6	1126.2	1126.2	1116.6	1113.0	1114.2	1121.4	1106.9
35°	1091.3	1087.7	1091.3	1090.1	1091.3	1087.7	1081.6	1080.4	1075.6	1084.0	1073.2
37.5°	1047.9	1044.3	1047.9	1047.9	1047.9	1050.3	1045.5	1041.9	1034.7	1045.5	1037.1
40°	1003.3	998.5	1003.3	1002.1	1003.3	1005.8	1003.3	1000.9	993.7	1002.1	994.9
42.5°	952.8	951.6	952.8	954.0	954.0	958.8	962.4	957.6	955.2	949.1	954.0
45°	898.6	896.1	898.6	901.0	902.2	904.6	915.4	915.4	911.8	902.2	909.4
47.5°	840.7	834.7	840.7	848.0	848.0	851.6	862.4	870.9	864.8	852.8	856.4
50°	779.3	780.5	779.3	784.1	784.1	797.4	805.8	814.2	820.3	805.8	788.9
52.5°	719.1	717.9	719.1	722.7	727.5	733.5	748.0	756.4	766.1	757.6	731.1
55°	658.9	661.3	658.9	660.1	662.5	666.1	687.8	696.2	714.3	703.4	675.7
57.5°	598.6	595.0	598.6	601.0	602.2	605.9	623.9	639.6	650.4	651.6	617.9
60°	528.8	524.0	528.8	539.6	542.0	544.4	561.3	575.8	585.4	589.0	554.1
62.5°	467.3	458.9	467.3	474.6	479.4	485.4	497.5	519.1	527.6	528.8	479.4
65°	402.3	398.7	402.3	416.8	418.0	425.2	438.4	454.1	472.2	469.8	398.7
67.5°	343.3	343.3	343.3	352.9	360.1	363.8	380.6	387.8	410.7	413.1	332.4
70°	289.1	287.9	289.1	296.3	301.1	309.6	325.2	333.6	351.7	357.7	269.8
72.5°	237.3	236.1	237.3	243.3	248.1	255.4	268.6	278.2	293.9	301.1	209.6
75°	191.5	189.1	191.5	196.3	195.1	204.8	215.6	225.2	239.7	244.5	155.4
77.5°	146.9	146.9	146.9	151.8	151.8	161.4	166.2	178.3	186.7	193.9	114.4
80°	109.6	108.4	109.6	110.8	110.8	115.6	124.1	132.5	139.7	139.7	78.3
82.5°	77.1	74.7	77.1	77.1	77.1	79.5	84.3	86.7	91.5	95.2	49.4
85°	48.2	48.2	48.2	49.4	48.2	50.6	51.8	54.2	54.2	51.8	30.1
87.5°	31.3	30.1	31.3	30.1	30.1	28.9	28.9	28.9	27.7	26.5	16.9
90°	4.6	4.6	4.6	4.6	4.6	6.1	8.1	9.2	7.9	5.3	3.4
92.5°	18.3	14.7	18.3	22.0	22.9	32.4	45.2	51.6	45.4	32.8	23.3
95°	64.0	53.0	64.0	75.1	77.8	102.1	134.7	150.9	127.4	80.5	45.4
97.5°	153.4	132.3	153.4	174.4	179.6	195.0	215.5	225.8	186.7	108.5	49.8
100°	221.0	195.9	221.0	246.0	252.2	251.1	249.6	248.8	205.5	118.7	53.6
102.5°	287.5	266.0	287.5	308.9	314.3	294.6	268.4	255.4	211.3	123.3	57.3
105°	372.3	360.7	372.3	383.8	386.6	342.6	283.9	254.6	212.0	126.8	62.9
107.5°	427.8	430.6	427.8	425.0	424.3	363.0	281.1	240.2	202.6	127.4	71.1
110°	449.0	461.0	449.0	436.9	433.9	365.4	273.9	228.1	194.2	126.5	75.6





TEST NUMBER: P933951

CATALOG NUMBER: SQ4-FA-025U-075D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	450.8	469.3	450.8	432.3	427.8	357.6	263.9	217.1	186.9	126.5	81.2
115°	438.8	464.5	438.8	413.3	406.9	339.3	249.1	204.0	178.5	127.7	89.5
117.5°	413.5	441.9	413.5	385.1	378.1	317.0	235.7	195.0	173.3	130.0	97.6
120°	393.1	420.7	393.1	365.6	358.7	302.9	228.5	191.4	171.6	132.0	102.3
122.5°	373.2	400.4	373.2	346.1	339.3	289.0	222.0	188.5	170.6	134.7	107.8
125°	344.8	369.9	344.8	319.8	313.6	270.9	214.0	185.6	169.9	138.5	115.0
127.5°	319.4	340.5	319.4	298.2	292.9	256.3	207.4	183.0	169.4	142.2	121.8
130°	304.3	323.8	304.3	284.7	279.8	247.2	203.8	182.0	169.7	144.9	126.4
132.5°	290.6	308.1	290.6	273.1	268.8	239.6	200.7	181.2	169.9	147.2	130.2
135°	271.9	287.0	271.9	256.9	253.1	228.7	196.1	179.8	169.8	149.6	134.5
137.5°	257.0	269.2	257.0	244.6	241.5	220.9	193.4	179.6	170.8	153.2	140.0
140°	246.6	258.2	246.6	235.1	232.2	214.4	190.6	178.7	171.0	155.5	143.8
142.5°	238.1	248.0	238.1	228.2	225.7	210.1	189.1	178.7	171.5	157.2	146.5
145°	225.3	232.9	225.3	217.8	215.9	203.1	186.0	177.5	171.5	159.7	150.8
147.5°	215.5	221.7	215.5	209.3	207.7	197.6	184.2	177.5	172.7	163.2	156.1
150°	209.3	214.4	209.3	204.3	203.0	194.5	183.2	177.5	173.4	165.1	158.9
152.5°	204.0	207.9	204.0	200.3	199.3	192.0	182.3	177.5	173.8	166.3	160.7
155°	197.9	200.5	197.9	195.5	194.8	189.0	181.3	177.5	174.7	169.0	164.7
157.5°	193.2	195.0	193.2	191.4	191.0	186.5	180.4	177.5	175.5	171.6	168.6
160°	190.3	191.4	190.3	189.3	189.0	185.2	180.0	177.5	175.9	172.8	170.5
162.5°	188.5	189.4	188.5	187.5	187.3	184.0	179.6	177.5	176.3	174.1	172.4
165°	185.7	186.8	185.7	184.7	184.4	182.1	179.0	177.5	177.0	175.9	175.1
167.5°	183.8	184.2	183.8	183.3	183.2	181.7	179.7	178.7	178.3	177.4	176.7
170°	183.2	183.2	183.2	183.2	183.2	181.7	179.7	178.7	178.7	178.6	178.5
172.5°	181.8	181.5	181.8	182.2	182.3	181.1	179.5	178.7	178.7	178.7	178.7
175°	181.0	181.0	181.0	181.0	181.0	180.2	179.1	178.7	178.9	179.4	179.8
177.5°	180.2	179.8	180.2	180.7	180.8	180.1	179.3	178.9	179.1	179.5	179.8
180°	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8



TEST NUMBER: P933951

CATALOG NUMBER: SQ4-FA-025U-075D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2
2.5°	1291.2	1284.0	1284.0	1272.0	1267.1	1263.5	1257.5	1239.4	1234.6	1229.8	1237.0
5°	1302.1	1288.8	1279.2	1257.5	1239.4	1232.2	1209.3	1166.0	1137.0	1115.4	1103.3
7.5°	1304.5	1287.6	1269.5	1235.8	1192.5	1173.2	1103.3	1023.8	1002.1	982.9	970.8
10°	1302.1	1282.8	1257.5	1206.9	1104.5	1070.8	1000.9	949.1	935.9	932.3	935.9
12.5°	1293.6	1275.6	1240.6	1156.3	1013.0	990.1	949.1	919.0	916.6	922.6	955.2
15°	1279.2	1262.3	1221.4	1088.9	962.4	945.5	916.6	905.8	919.0	961.2	1058.8
17.5°	1264.7	1245.5	1194.9	1022.6	923.9	911.8	891.3	913.0	987.7	1044.3	1076.8
20°	1245.5	1222.6	1164.8	974.4	896.1	885.3	875.7	973.2	1029.8	1050.3	1068.4
22.5°	1222.6	1198.5	1123.8	940.7	867.2	858.8	864.8	1007.0	1029.8	1044.3	1060.0
25°	1192.5	1172.0	1075.6	914.2	844.4	834.7	857.6	1003.3	1016.6	1020.2	1051.5
27.5°	1164.8	1138.3	1025.0	890.1	816.7	813.0	863.6	987.7	997.3	1000.9	1034.7
30°	1131.0	1091.3	968.4	864.8	787.7	786.5	864.8	968.4	966.0	975.6	1009.4
32.5°	1096.1	1021.4	904.6	833.5	760.0	758.8	856.4	939.5	937.1	950.4	975.6
35°	1063.6	967.2	817.9	797.4	725.1	726.3	835.9	905.8	907.0	919.0	934.7
37.5°	1029.8	920.2	722.7	757.6	691.4	691.4	808.2	874.5	872.1	875.7	897.4
40°	990.1	846.8	638.4	705.8	660.1	656.5	774.5	840.7	832.3	831.1	861.2
42.5°	947.9	766.1	575.8	637.2	623.9	619.1	733.5	799.8	784.1	787.7	826.3
45°	902.2	744.4	527.6	538.4	586.6	583.0	689.0	752.8	742.0	751.6	791.4
47.5°	856.4	701.0	511.9	446.9	546.8	545.6	639.6	707.0	701.0	710.7	752.8
50°	793.8	652.8	510.7	383.0	502.3	507.1	580.6	662.5	662.5	670.9	715.5
52.5°	713.1	593.8	463.7	346.9	450.5	464.9	528.8	623.9	626.3	634.8	674.5
55°	639.6	532.4	430.0	319.2	389.1	420.4	478.2	584.2	589.0	597.4	633.6
57.5°	572.1	443.3	422.8	286.7	332.4	362.6	433.6	545.6	548.0	555.3	590.2
60°	499.9	320.4	387.8	251.7	283.1	305.9	392.7	499.9	508.3	513.1	543.2
62.5°	418.0	232.5	351.7	227.7	259.0	263.8	358.9	456.5	467.3	471.0	489.0
65°	297.5	195.1	298.7	207.2	233.7	234.9	322.8	411.9	421.6	427.6	440.8
67.5°	201.2	159.0	227.7	187.9	214.4	215.6	287.9	360.1	373.4	378.2	386.6
70°	139.7	106.0	168.6	167.4	192.7	195.1	250.5	313.2	325.2	328.8	333.6
72.5°	102.4	85.5	139.7	150.6	169.8	172.2	212.0	260.2	272.2	275.8	278.2
75°	78.3	90.3	113.2	131.3	144.5	145.7	173.4	212.0	220.4	222.8	224.0
77.5°	62.6	84.3	83.1	106.0	118.0	115.6	136.1	163.8	171.0	171.0	171.0
80°	47.0	66.2	62.6	75.9	86.7	84.3	97.6	116.8	119.2	121.7	120.4
82.5°	34.9	42.2	42.2	48.2	57.8	55.4	65.0	75.9	75.9	75.9	78.3
85°	21.7	24.1	19.3	25.3	32.5	31.3	36.1	41.0	42.2	42.2	39.7
87.5°	13.2	10.8	6.0	9.6	14.5	14.5	16.9	18.1	16.9	16.9	16.9
90°	3.1	2.2	1.2	2.2	3.1	3.4	5.3	7.9	9.2	8.1	6.1
92.5°	21.2	13.0	4.8	13.0	21.2	23.3	32.8	45.4	51.6	45.2	32.4
95°	41.6	26.6	11.6	26.6	41.6	45.4	80.5	127.4	150.9	134.7	102.1
97.5°	46.5	33.2	20.0	33.2	46.5	49.8	108.5	186.7	225.8	215.5	195.0
100°	50.6	38.5	26.6	38.5	50.6	53.6	118.7	205.5	248.8	249.6	251.1
102.5°	54.5	43.4	32.1	43.4	54.5	57.3	123.3	211.3	255.4	268.4	294.6
105°	60.5	51.0	41.5	51.0	60.5	62.9	126.8	212.0	254.6	283.9	342.6
107.5°	68.8	60.0	51.2	60.0	68.8	71.1	127.4	202.6	240.2	281.1	363.0
110°	73.6	65.7	57.7	65.7	73.6	75.6	126.5	194.2	228.1	273.9	365.4



TEST NUMBER: P933951

CATALOG NUMBER: SQ4-FA-025U-075D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	79.3	71.7	64.1	71.7	79.3	81.2	126.5	186.9	217.1	263.9	357.6
115°	87.8	80.8	73.7	80.8	87.8	89.5	127.7	178.5	204.0	249.1	339.3
117.5°	96.0	89.6	83.3	89.6	96.0	97.6	130.0	173.3	195.0	235.7	317.0
120°	100.8	94.8	88.8	94.8	100.8	102.3	132.0	171.6	191.4	228.5	302.9
122.5°	106.3	100.3	94.2	100.3	106.3	107.8	134.7	170.6	188.5	222.0	289.0
125°	113.6	108.1	102.5	108.1	113.6	115.0	138.5	169.9	185.6	214.0	270.9
127.5°	120.4	114.8	109.3	114.8	120.4	121.8	142.2	169.4	183.0	207.4	256.3
130°	124.9	118.9	112.9	118.9	124.9	126.4	144.9	169.7	182.0	203.8	247.2
132.5°	128.6	122.7	116.7	122.7	128.6	130.2	147.2	169.9	181.2	200.7	239.6
135°	133.1	127.7	122.2	127.7	133.1	134.5	149.6	169.8	179.8	196.1	228.7
137.5°	138.7	133.3	127.9	133.3	138.7	140.0	153.2	170.8	179.6	193.4	220.9
140°	142.5	137.6	132.6	137.6	142.5	143.8	155.5	171.0	178.7	190.6	214.4
142.5°	145.4	140.8	136.2	140.8	145.4	146.5	157.2	171.5	178.7	189.1	210.1
145°	149.8	145.7	141.7	145.7	149.8	150.8	159.7	171.5	177.5	186.0	203.1
147.5°	155.1	151.2	147.3	151.2	155.1	156.1	163.2	172.7	177.5	184.2	197.6
150°	158.0	154.4	150.9	154.4	158.0	158.9	165.1	173.4	177.5	183.2	194.5
152.5°	160.0	157.3	154.7	157.3	160.0	160.7	166.3	173.8	177.5	182.3	192.0
155°	164.2	162.2	160.2	162.2	164.2	164.7	169.0	174.7	177.5	181.3	189.0
157.5°	168.1	166.2	164.3	166.2	168.1	168.6	171.6	175.5	177.5	180.4	186.5
160°	170.1	168.6	167.1	168.6	170.1	170.5	172.8	175.9	177.5	180.0	185.2
162.5°	172.1	171.0	169.8	171.0	172.1	172.4	174.1	176.3	177.5	179.6	184.0
165°	174.9	173.8	172.9	173.8	174.9	175.1	175.9	177.0	177.5	179.0	182.1
167.5°	176.6	176.1	175.6	176.1	176.6	176.7	177.4	178.3	178.7	179.7	181.7
170°	178.4	177.9	177.5	177.9	178.4	178.5	178.6	178.7	178.7	179.7	181.7
172.5°	178.7	178.5	178.4	178.5	178.7	178.7	178.7	178.7	178.7	179.5	181.1
175°	179.8	179.8	179.8	179.8	179.8	179.8	179.4	178.9	178.7	179.1	180.2
177.5°	179.8	179.8	179.8	179.8	179.8	179.8	179.5	179.1	178.9	179.3	180.1
180°	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8



TEST NUMBER: P933951

CATALOG NUMBER: SQ4-FA-025U-075D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2
2.5°	1228.6	1225.0	1229.8	1216.5	1229.8	1225.0	1228.6	1237.0	1229.8	1234.6	1239.4
5°	1078.0	1072.0	1052.7	1037.1	1052.7	1072.0	1078.0	1103.3	1115.4	1137.0	1166.0
7.5°	963.6	958.8	954.0	944.3	954.0	958.8	963.6	970.8	982.9	1002.1	1023.8
10°	938.3	939.5	946.7	945.5	946.7	939.5	938.3	935.9	932.3	935.9	949.1
12.5°	1003.3	1014.2	1053.9	1051.5	1053.9	1014.2	1003.3	955.2	922.6	916.6	919.0
15°	1078.0	1081.6	1090.1	1091.3	1090.1	1081.6	1078.0	1058.8	961.2	919.0	905.8
17.5°	1085.3	1086.5	1092.5	1092.5	1092.5	1086.5	1085.3	1076.8	1044.3	987.7	913.0
20°	1079.2	1081.6	1093.7	1096.1	1093.7	1081.6	1079.2	1068.4	1050.3	1029.8	973.2
22.5°	1076.8	1081.6	1091.3	1090.1	1091.3	1081.6	1076.8	1060.0	1044.3	1029.8	1007.0
25°	1064.8	1064.8	1066.0	1067.2	1066.0	1064.8	1064.8	1051.5	1020.2	1016.6	1003.3
27.5°	1039.5	1041.9	1049.1	1047.9	1049.1	1041.9	1039.5	1034.7	1000.9	997.3	987.7
30°	1016.6	1014.2	1008.2	1003.3	1008.2	1014.2	1016.6	1009.4	975.6	966.0	968.4
32.5°	978.1	972.0	966.0	962.4	966.0	972.0	978.1	975.6	950.4	937.1	939.5
35°	932.3	933.5	932.3	928.7	932.3	933.5	932.3	934.7	919.0	907.0	905.8
37.5°	899.8	902.2	901.0	896.1	901.0	902.2	899.8	897.4	875.7	872.1	874.5
40°	866.0	867.2	866.0	862.4	866.0	867.2	866.0	861.2	831.1	832.3	840.7
42.5°	833.5	832.3	828.7	826.3	828.7	832.3	833.5	826.3	787.7	784.1	799.8
45°	796.2	797.4	790.2	786.5	790.2	797.4	796.2	791.4	751.6	742.0	752.8
47.5°	758.8	758.8	752.8	749.2	752.8	758.8	758.8	752.8	710.7	701.0	707.0
50°	719.1	717.9	709.5	708.2	709.5	717.9	719.1	715.5	670.9	662.5	662.5
52.5°	673.3	673.3	674.5	676.9	674.5	673.3	673.3	674.5	634.8	626.3	623.9
55°	633.6	634.8	643.2	645.6	643.2	634.8	633.6	633.6	597.4	589.0	584.2
57.5°	592.6	592.6	598.6	598.6	598.6	592.6	592.6	590.2	555.3	548.0	545.6
60°	545.6	548.0	552.9	551.7	552.9	548.0	545.6	543.2	513.1	508.3	499.9
62.5°	496.3	498.7	499.9	497.5	499.9	498.7	496.3	489.0	471.0	467.3	456.5
65°	444.5	446.9	448.1	445.7	448.1	446.9	444.5	440.8	427.6	421.6	411.9
67.5°	391.5	390.3	389.1	393.9	389.1	390.3	391.5	386.6	378.2	373.4	360.1
70°	337.3	337.3	336.1	338.5	336.1	337.3	337.3	333.6	328.8	325.2	313.2
72.5°	279.4	278.2	283.1	279.4	283.1	278.2	279.4	278.2	275.8	272.2	260.2
75°	222.8	225.2	222.8	226.4	222.8	225.2	222.8	224.0	222.8	220.4	212.0
77.5°	169.8	172.2	169.8	169.8	169.8	172.2	169.8	171.0	171.0	171.0	163.8
80°	120.4	119.2	119.2	118.0	119.2	119.2	120.4	120.4	121.7	119.2	116.8
82.5°	77.1	75.9	75.9	78.3	75.9	75.9	77.1	78.3	75.9	75.9	75.9
85°	42.2	43.4	41.0	41.0	41.0	43.4	42.2	39.7	42.2	42.2	41.0
87.5°	15.7	14.5	14.5	14.5	14.5	14.5	15.7	16.9	16.9	16.9	18.1
90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	6.1	8.1	9.2	7.9
92.5°	22.9	22.0	18.3	14.7	18.3	22.0	22.9	32.4	45.2	51.6	45.4
95°	77.8	75.1	64.0	53.0	64.0	75.1	77.8	102.1	134.7	150.9	127.4
97.5°	179.6	174.4	153.4	132.3	153.4	174.4	179.6	195.0	215.5	225.8	186.7
100°	252.2	246.0	221.0	195.9	221.0	246.0	252.2	251.1	249.6	248.8	205.5
102.5°	314.3	308.9	287.5	266.0	287.5	308.9	314.3	294.6	268.4	255.4	211.3
105°	386.6	383.8	372.3	360.7	372.3	383.8	386.6	342.6	283.9	254.6	212.0
107.5°	424.3	425.0	427.8	430.6	427.8	425.0	424.3	363.0	281.1	240.2	202.6
110°	433.9	436.9	449.0	461.0	449.0	436.9	433.9	365.4	273.9	228.1	194.2



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	427.8	432.3	450.8	469.3	450.8	432.3	427.8	357.6	263.9	217.1	186.9
115°	406.9	413.3	438.8	464.5	438.8	413.3	406.9	339.3	249.1	204.0	178.5
117.5°	378.1	385.1	413.5	441.9	413.5	385.1	378.1	317.0	235.7	195.0	173.3
120°	358.7	365.6	393.1	420.7	393.1	365.6	358.7	302.9	228.5	191.4	171.6
122.5°	339.3	346.1	373.2	400.4	373.2	346.1	339.3	289.0	222.0	188.5	170.6
125°	313.6	319.8	344.8	369.9	344.8	319.8	313.6	270.9	214.0	185.6	169.9
127.5°	292.9	298.2	319.4	340.5	319.4	298.2	292.9	256.3	207.4	183.0	169.4
130°	279.8	284.7	304.3	323.8	304.3	284.7	279.8	247.2	203.8	182.0	169.7
132.5°	268.8	273.1	290.6	308.1	290.6	273.1	268.8	239.6	200.7	181.2	169.9
135°	253.1	256.9	271.9	287.0	271.9	256.9	253.1	228.7	196.1	179.8	169.8
137.5°	241.5	244.6	257.0	269.2	257.0	244.6	241.5	220.9	193.4	179.6	170.8
140°	232.2	235.1	246.6	258.2	246.6	235.1	232.2	214.4	190.6	178.7	171.0
142.5°	225.7	228.2	238.1	248.0	238.1	228.2	225.7	210.1	189.1	178.7	171.5
145°	215.9	217.8	225.3	232.9	225.3	217.8	215.9	203.1	186.0	177.5	171.5
147.5°	207.7	209.3	215.5	221.7	215.5	209.3	207.7	197.6	184.2	177.5	172.7
150°	203.0	204.3	209.3	214.4	209.3	204.3	203.0	194.5	183.2	177.5	173.4
152.5°	199.3	200.3	204.0	207.9	204.0	200.3	199.3	192.0	182.3	177.5	173.8
155°	194.8	195.5	197.9	200.5	197.9	195.5	194.8	189.0	181.3	177.5	174.7
157.5°	191.0	191.4	193.2	195.0	193.2	191.4	191.0	186.5	180.4	177.5	175.5
160°	189.0	189.3	190.3	191.4	190.3	189.3	189.0	185.2	180.0	177.5	175.9
162.5°	187.3	187.5	188.5	189.4	188.5	187.5	187.3	184.0	179.6	177.5	176.3
165°	184.4	184.7	185.7	186.8	185.7	184.7	184.4	182.1	179.0	177.5	177.0
167.5°	183.2	183.3	183.8	184.2	183.8	183.3	183.2	181.7	179.7	178.7	178.3
170°	183.2	183.2	183.2	183.2	183.2	183.2	183.2	181.7	179.7	178.7	178.7
172.5°	182.3	182.2	181.8	181.5	181.8	182.2	182.3	181.1	179.5	178.7	178.7
175°	181.0	181.0	181.0	181.0	181.0	181.0	181.0	180.2	179.1	178.7	178.9
177.5°	180.8	180.7	180.2	179.8	180.2	180.7	180.8	180.1	179.3	178.9	179.1
180°	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1273.2	1273.2	1273.2	1273.2	1273.2
2.5°	1257.5	1263.5	1267.1	1272.0	1284.0
5°	1209.3	1232.2	1239.4	1257.5	1279.2
7.5°	1103.3	1173.2	1192.5	1235.8	1269.5
10°	1000.9	1070.8	1104.5	1206.9	1257.5
12.5°	949.1	990.1	1013.0	1156.3	1240.6
15°	916.6	945.5	962.4	1088.9	1221.4
17.5°	891.3	911.8	923.9	1022.6	1194.9
20°	875.7	885.3	896.1	974.4	1164.8
22.5°	864.8	858.8	867.2	940.7	1123.8
25°	857.6	834.7	844.4	914.2	1075.6
27.5°	863.6	813.0	816.7	890.1	1025.0
30°	864.8	786.5	787.7	864.8	968.4
32.5°	856.4	758.8	760.0	833.5	904.6
35°	835.9	726.3	725.1	797.4	817.9
37.5°	808.2	691.4	691.4	757.6	722.7
40°	774.5	656.5	660.1	705.8	638.4
42.5°	733.5	619.1	623.9	637.2	575.8
45°	689.0	583.0	586.6	538.4	527.6
47.5°	639.6	545.6	546.8	446.9	511.9
50°	580.6	507.1	502.3	383.0	510.7
52.5°	528.8	464.9	450.5	346.9	463.7
55°	478.2	420.4	389.1	319.2	430.0
57.5°	433.6	362.6	332.4	286.7	422.8
60°	392.7	305.9	283.1	251.7	387.8
62.5°	358.9	263.8	259.0	227.7	351.7
65°	322.8	234.9	233.7	207.2	298.7
67.5°	287.9	215.6	214.4	187.9	227.7
70°	250.5	195.1	192.7	167.4	168.6
72.5°	212.0	172.2	169.8	150.6	139.7
75°	173.4	145.7	144.5	131.3	113.2
77.5°	136.1	115.6	118.0	106.0	83.1
80°	97.6	84.3	86.7	75.9	62.6
82.5°	65.0	55.4	57.8	48.2	42.2
85°	36.1	31.3	32.5	25.3	19.3
87.5°	16.9	14.5	14.5	9.6	6.0
90°	5.3	3.4	3.1	2.2	1.2
92.5°	32.8	23.3	21.2	13.0	4.8
95°	80.5	45.4	41.6	26.6	11.6
97.5°	108.5	49.8	46.5	33.2	20.0
100°	118.7	53.6	50.6	38.5	26.6
102.5°	123.3	57.3	54.5	43.4	32.1
105°	126.8	62.9	60.5	51.0	41.5
107.5°	127.4	71.1	68.8	60.0	51.2
110°	126.5	75.6	73.6	65.7	57.7



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	126.5	81.2	79.3	71.7	64.1
115°	127.7	89.5	87.8	80.8	73.7
117.5°	130.0	97.6	96.0	89.6	83.3
120°	132.0	102.3	100.8	94.8	88.8
122.5°	134.7	107.8	106.3	100.3	94.2
125°	138.5	115.0	113.6	108.1	102.5
127.5°	142.2	121.8	120.4	114.8	109.3
130°	144.9	126.4	124.9	118.9	112.9
132.5°	147.2	130.2	128.6	122.7	116.7
135°	149.6	134.5	133.1	127.7	122.2
137.5°	153.2	140.0	138.7	133.3	127.9
140°	155.5	143.8	142.5	137.6	132.6
142.5°	157.2	146.5	145.4	140.8	136.2
145°	159.7	150.8	149.8	145.7	141.7
147.5°	163.2	156.1	155.1	151.2	147.3
150°	165.1	158.9	158.0	154.4	150.9
152.5°	166.3	160.7	160.0	157.3	154.7
155°	169.0	164.7	164.2	162.2	160.2
157.5°	171.6	168.6	168.1	166.2	164.3
160°	172.8	170.5	170.1	168.6	167.1
162.5°	174.1	172.4	172.1	171.0	169.8
165°	175.9	175.1	174.9	173.8	172.9
167.5°	177.4	176.7	176.6	176.1	175.6
170°	178.6	178.5	178.4	177.9	177.5
172.5°	178.7	178.7	178.7	178.5	178.4
175°	179.4	179.8	179.8	179.8	179.8
177.5°	179.5	179.8	179.8	179.8	179.8
180°	179.8	179.8	179.8	179.8	179.8



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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	13.94	15.06	14.66	15.81	16.69	16.76	17.89	17.48	18.63	19.51
	3H	14.43	15.45	15.17	16.20	17.11	18.13	19.14	18.86	19.89	20.80
	4H	14.64	15.59	15.39	16.35	17.28	18.58	19.54	19.33	20.30	21.22
	6H	14.77	15.65	15.54	16.42	17.36	18.88	19.76	19.64	20.53	21.47
	8H	14.78	15.62	15.56	16.41	17.35	18.96	19.80	19.74	20.59	21.53
	12H	14.76	15.56	15.54	16.34	17.31	19.01	19.81	19.79	20.59	21.56
4H	2H	15.00	15.96	15.76	16.72	17.64	17.20	18.16	17.96	18.92	19.85
	3H	16.05	16.85	16.82	17.64	18.59	18.73	19.53	19.50	20.32	21.27
	4H	16.34	17.06	17.12	17.86	18.83	19.27	19.99	20.05	20.79	21.76
	6H	16.48	17.11	17.28	17.93	18.91	19.65	20.27	20.45	21.10	22.08
	8H	16.49	17.08	17.30	17.89	18.89	19.76	20.35	20.57	21.16	22.15
	12H	16.47	17.00	17.30	17.84	18.83	19.83	20.36	20.66	21.19	22.19
8H	4H	16.81	17.40	17.62	18.22	19.21	19.42	20.00	20.22	20.82	21.81
	6H	17.09	17.57	17.92	18.43	19.42	19.86	20.35	20.70	21.21	22.20
	8H	17.13	17.56	17.98	18.42	19.43	20.02	20.45	20.86	21.30	22.31
	12H	17.13	17.51	17.98	18.35	19.42	20.12	20.50	20.97	21.35	22.42
12H	4H	16.83	17.36	17.66	18.20	19.19	19.39	19.92	20.22	20.76	21.76
	6H	17.15	17.58	17.99	18.44	19.44	19.86	20.29	20.71	21.15	22.16
	8H	17.23	17.61	18.08	18.45	19.52	20.03	20.41	20.88	21.26	22.33