

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: P934276

Luminaire Tested: SQ4-FA-050U-050D-940-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934276
REPORT IS A COMBINATION OF REPORTS P933692 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-050D-940-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

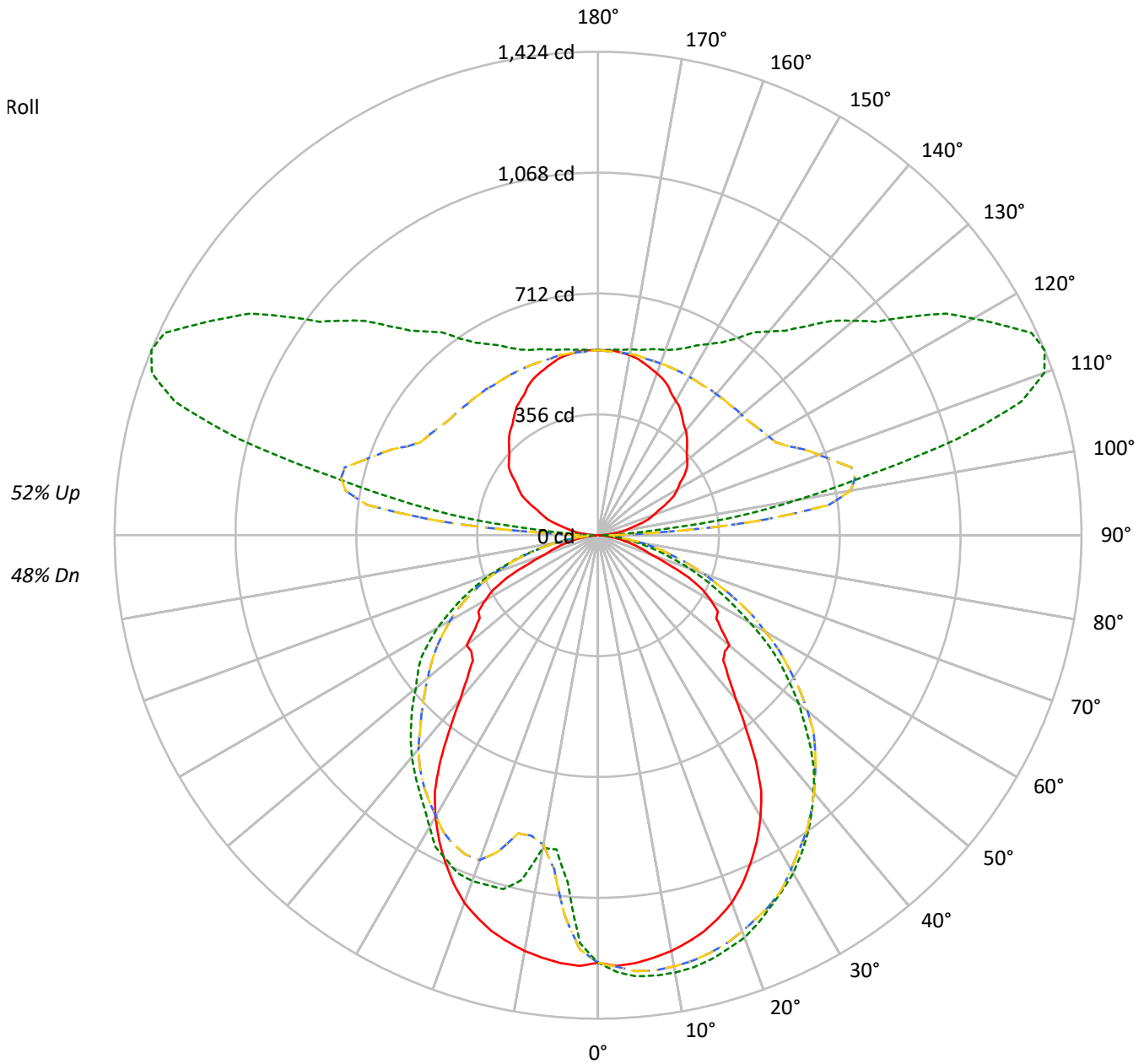
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6802.1 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 56.8
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
RCR																				
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48
1	97	93	89	86	89	86	83	80	72	70	68	60	58	56	48	47	46	41	41	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34	34	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29	29	29
4	74	63	55	49	68	58	52	46	50	44	40	41	37	34	33	31	28	25	25	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21	21	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17	17	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13	13	13
10	47	34	27	22	43	32	26	21	28	22	19	23	19	16	20	16	14	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5841	5841	5841	5841
5°	5885	5896	5885	4637
10°	5845	5808	5845	4152
15°	5782	5682	5782	4745
20°	5661	5533	5661	4755
25°	5413	5316	5413	4654
30°	5093	5135	5093	4433
35°	4541	4907	4541	4190
40°	3784	4638	3784	4006
45°	3381	4323	3381	3795
50°	3592	3948	3592	3583
55°	3379	3544	3379	3460
60°	3483	3010	3483	3169
65°	3157	2489	3157	2781
70°	2188	1983	2188	2331
75°	1918	1466	1918	1756
80°	1544	969	1544	1055
85°	890	514	890	436

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5181 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	1.7
10°-20°	322.7	4.7
20°-30°	498.8	7.3
30°-40°	595.4	8.8
40°-50°	598.9	8.8
50°-60°	521.1	7.7
60°-70°	369.5	5.4
70°-80°	195.5	2.9
80°-90°	50.8	0.7
90°-100°	265.9	3.9
100°-110°	699.0	10.3
110°-120°	724.8	10.7
120°-130°	581.3	8.5
130°-140°	456.2	6.7
140°-150°	350.1	5.1
150°-160°	252.1	3.7
160°-170°	154.3	2.3
170°-180°	52.1	0.8
0°-30°	935.1	13.7
0°-40°	1530.5	22.5
0°-60°	2650.6	39.0
0°-90°	3266.4	48.0
90°-120°	1689.6	24.8
90°-150°	3077.2	45.2
90°-180°	3536.0	52.0
0°-180°	6802.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1259	1259	1259	1259	1259	
5°	1265	1304	1265	1026	1265	120
15°	1208	1292	1208	1079	1208	340
25°	1064	1205	1064	1055	1064	488
35°	809	1076	809	918	809	500
45°	522	886	522	778	522	418
55°	425	654	425	638	425	391
65°	295	394	295	441	295	282
75°	112	187	112	224	112	118
85°	19	48	19	40	19	26
90°	4	14	4	14	4	4
95°	35	161	35	161	35	39
105°	126	1094	126	1094	126	133
115°	224	1409	224	1409	224	221
125°	311	1122	311	1122	311	276
135°	371	871	371	871	371	287
145°	430	706	430	706	430	269
155°	486	608	486	608	486	223
165°	524	567	524	567	524	148
175°	545	549	545	549	545	52
180°	545	545	545	545	545	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0
2.5°	1269.7	1269.7	1276.9	1279.3	1279.3	1275.6	1272.1	1275.6	1286.4	1289.9	1288.8
5°	1265.0	1274.5	1287.6	1289.9	1292.3	1291.2	1288.8	1291.2	1303.1	1305.4	1306.6
7.5°	1255.4	1273.3	1289.9	1293.5	1297.1	1293.5	1292.3	1294.7	1306.6	1309.0	1309.0
10°	1243.5	1268.5	1287.6	1289.9	1293.5	1289.9	1289.9	1294.7	1306.6	1309.0	1310.2
12.5°	1226.8	1261.3	1279.3	1281.6	1286.4	1285.2	1284.0	1288.8	1300.7	1303.1	1303.1
15°	1207.8	1248.3	1265.0	1267.3	1275.6	1273.3	1273.3	1278.0	1291.2	1294.7	1293.5
17.5°	1181.6	1231.6	1250.7	1254.2	1260.2	1259.0	1260.2	1265.0	1276.9	1279.3	1280.4
20°	1151.7	1208.9	1231.6	1235.1	1241.1	1241.1	1241.1	1247.0	1259.0	1263.7	1263.7
22.5°	1111.2	1185.1	1208.9	1211.3	1218.5	1218.5	1220.8	1229.2	1239.9	1241.1	1241.1
25°	1063.6	1158.9	1179.2	1186.3	1193.5	1197.0	1200.6	1205.4	1208.9	1207.8	1208.9
27.5°	1013.7	1125.5	1151.7	1156.5	1166.0	1169.7	1174.4	1175.6	1176.8	1180.3	1178.0
30°	957.6	1079.1	1118.4	1123.2	1138.7	1141.1	1136.3	1138.7	1144.6	1147.0	1149.4
32.5°	894.5	1010.0	1083.9	1094.6	1108.9	1101.7	1100.6	1104.1	1113.6	1113.6	1116.0
35°	808.7	956.5	1051.7	1061.2	1072.0	1063.6	1068.4	1069.6	1075.5	1079.1	1077.9
37.5°	714.7	910.0	1018.4	1025.6	1033.9	1023.2	1030.3	1033.9	1038.6	1036.2	1036.2
40°	631.3	837.3	979.1	983.8	991.0	982.7	989.8	992.2	994.6	992.2	991.0
42.5°	569.3	757.6	937.4	943.3	938.5	944.6	946.9	951.7	948.1	943.3	943.3
45°	521.7	736.1	892.1	899.3	892.1	901.7	905.2	905.2	894.5	892.1	890.9
47.5°	506.2	693.2	846.9	846.9	843.2	855.2	861.2	852.8	842.1	838.5	838.5
50°	505.0	645.6	784.9	780.2	796.8	811.1	805.1	796.8	788.5	775.4	775.4
52.5°	458.6	587.2	705.2	723.0	749.2	757.6	748.0	739.7	725.4	719.4	714.7
55°	425.2	526.5	632.4	668.2	695.6	706.3	688.5	680.1	658.6	655.1	652.7
57.5°	418.1	438.3	565.7	611.0	644.3	643.2	632.4	617.0	599.1	595.6	594.3
60°	383.5	316.8	494.3	547.9	582.4	578.9	569.3	555.0	538.4	536.0	533.6
62.5°	347.8	229.9	413.3	474.0	522.9	521.7	513.4	492.0	480.0	474.0	469.3
65°	295.3	193.0	294.2	394.3	464.5	466.9	449.1	433.5	420.5	413.3	412.1
67.5°	225.1	157.3	198.9	328.7	408.6	406.2	383.5	376.4	359.7	356.2	349.0
70°	166.8	104.8	138.2	266.8	353.8	347.8	329.9	321.6	306.1	297.7	293.0
72.5°	138.2	84.5	101.2	207.3	297.7	290.6	275.1	265.6	252.5	245.4	240.6
75°	112.0	89.3	77.4	153.6	241.8	237.0	222.7	213.2	202.5	193.0	194.1
77.5°	82.2	83.4	61.9	113.1	191.8	184.6	176.3	164.4	159.6	150.1	150.1
80°	61.9	65.5	46.4	77.4	138.2	138.2	131.0	122.7	114.4	109.6	109.6
82.5°	41.6	41.6	34.5	48.8	94.1	90.5	85.8	83.4	78.6	76.2	76.2
85°	19.1	23.8	21.4	29.7	51.2	53.6	53.6	51.2	50.0	47.7	48.8
87.5°	5.9	10.7	13.1	16.7	26.2	27.4	28.6	28.6	28.6	29.7	29.7
90°	3.6	6.6	9.5	10.2	16.1	23.9	27.8	24.7	18.6	13.9	13.9
92.5°	14.7	39.5	64.5	70.7	99.4	137.6	156.6	137.3	98.6	69.5	66.8
95°	35.2	80.7	126.3	137.6	244.4	386.7	457.9	408.7	310.1	236.1	227.8
97.5°	60.7	100.9	141.1	151.1	329.2	566.5	685.3	654.1	591.8	545.1	529.1
100°	80.5	116.9	153.4	162.5	360.1	623.5	755.2	757.5	762.0	765.4	746.4
102.5°	97.4	131.4	165.3	173.9	374.2	641.4	775.0	814.7	894.0	953.5	937.3
105°	125.9	154.7	183.5	190.7	384.8	643.4	772.7	861.7	1039.8	1173.2	1164.4
107.5°	155.2	182.0	208.9	215.6	386.6	614.8	728.8	852.9	1101.2	1287.4	1289.6
110°	174.9	199.2	223.5	229.5	383.8	589.4	692.2	831.0	1108.5	1316.6	1325.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	194.4	217.5	240.6	246.3	383.9	567.3	658.9	800.9	1085.0	1298.0	1312.0
115°	223.7	245.0	266.3	271.6	387.4	541.9	619.0	755.9	1029.5	1234.7	1254.0
117.5°	252.5	271.9	291.3	296.1	394.6	525.9	591.5	715.0	962.0	1147.2	1168.7
120°	269.4	287.6	305.9	310.4	400.5	520.5	580.6	693.4	919.0	1088.2	1109.1
122.5°	285.8	304.2	322.6	327.2	408.8	517.7	572.1	673.7	877.0	1029.4	1050.0
125°	311.2	327.8	344.6	348.8	420.2	515.4	563.0	649.3	821.9	951.4	970.4
127.5°	331.7	348.5	365.4	369.7	431.6	514.1	555.3	629.4	777.6	888.8	904.8
130°	342.6	360.8	379.1	383.6	439.8	514.9	552.3	618.3	750.3	849.2	864.0
132.5°	354.0	372.2	390.5	395.0	446.6	515.4	549.8	608.9	727.0	815.5	828.8
135°	370.8	387.4	404.0	408.1	453.9	514.9	545.4	594.9	693.8	767.9	779.4
137.5°	388.1	404.5	420.9	425.0	464.9	518.1	544.7	586.5	670.2	732.9	742.2
140°	402.3	417.4	432.5	436.4	471.6	518.6	542.1	578.3	650.5	704.6	713.3
142.5°	413.3	427.2	441.2	444.7	477.2	520.5	542.1	573.8	637.3	684.9	692.5
145°	430.1	442.3	454.6	457.6	484.6	520.5	538.5	564.4	616.4	655.3	660.9
147.5°	446.9	458.8	470.7	473.7	495.2	524.1	538.5	558.9	599.7	630.3	635.0
150°	457.9	468.7	479.4	482.1	500.9	526.0	538.5	555.7	590.3	616.1	619.9
152.5°	469.3	477.5	485.6	487.6	504.6	527.2	538.5	553.2	582.6	604.7	607.7
155°	486.1	492.1	498.2	499.7	512.6	529.9	538.5	550.2	573.6	591.1	593.1
157.5°	498.5	504.4	510.2	511.8	520.6	532.5	538.5	547.5	565.7	579.4	580.8
160°	507.0	511.6	516.1	517.3	524.4	533.8	538.5	546.3	561.8	573.6	574.4
162.5°	515.4	518.9	522.2	523.1	528.3	535.1	538.5	545.1	558.3	568.1	568.9
165°	524.5	527.6	530.7	531.5	533.8	536.9	538.5	543.2	552.6	559.7	560.5
167.5°	533.0	534.4	535.9	536.3	538.2	540.8	542.1	545.2	551.4	556.1	556.4
170°	538.5	539.9	541.4	541.8	541.9	542.0	542.1	545.2	551.4	556.1	556.1
172.5°	541.4	541.8	542.0	542.1	542.1	542.1	542.1	544.6	549.5	553.1	552.9
175°	545.4	545.4	545.4	545.4	544.3	542.8	542.1	543.6	546.7	549.1	549.1
177.5°	545.4	545.4	545.4	545.4	544.5	543.4	542.8	544.1	546.5	548.3	548.0
180°	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0
2.5°	1291.2	1287.6	1291.2	1288.8	1289.9	1286.4	1275.6	1272.1	1275.6	1279.3	1279.3
5°	1306.6	1304.2	1306.6	1306.6	1305.4	1303.1	1291.2	1288.8	1291.2	1292.3	1289.9
7.5°	1311.4	1307.8	1311.4	1309.0	1309.0	1306.6	1294.7	1292.3	1293.5	1297.1	1293.5
10°	1311.4	1307.8	1311.4	1310.2	1309.0	1306.6	1294.7	1289.9	1289.9	1293.5	1289.9
12.5°	1305.4	1303.1	1305.4	1303.1	1303.1	1300.7	1288.8	1284.0	1285.2	1286.4	1281.6
15°	1295.9	1292.3	1295.9	1293.5	1294.7	1291.2	1278.0	1273.3	1273.3	1275.6	1267.3
17.5°	1281.6	1276.9	1281.6	1280.4	1279.3	1276.9	1265.0	1260.2	1259.0	1260.2	1254.2
20°	1265.0	1261.3	1265.0	1263.7	1263.7	1259.0	1247.0	1241.1	1241.1	1241.1	1235.1
22.5°	1238.8	1235.1	1238.8	1241.1	1241.1	1239.9	1229.2	1220.8	1218.5	1218.5	1211.3
25°	1208.9	1205.4	1208.9	1208.9	1207.8	1208.9	1205.4	1200.6	1197.0	1193.5	1186.3
27.5°	1180.3	1178.0	1180.3	1178.0	1180.3	1176.8	1175.6	1174.4	1169.7	1166.0	1156.5
30°	1151.7	1149.4	1151.7	1149.4	1147.0	1144.6	1138.7	1136.3	1141.1	1138.7	1123.2
32.5°	1116.0	1113.6	1116.0	1116.0	1113.6	1113.6	1104.1	1100.6	1101.7	1108.9	1094.6
35°	1079.1	1075.5	1079.1	1077.9	1079.1	1075.5	1069.6	1068.4	1063.6	1072.0	1061.2
37.5°	1036.2	1032.7	1036.2	1036.2	1036.2	1038.6	1033.9	1030.3	1023.2	1033.9	1025.6
40°	992.2	987.4	992.2	991.0	992.2	994.6	992.2	989.8	982.7	991.0	983.8
42.5°	942.2	940.9	942.2	943.3	943.3	948.1	951.7	946.9	944.6	938.5	943.3
45°	888.5	886.1	888.5	890.9	892.1	894.5	905.2	905.2	901.7	892.1	899.3
47.5°	831.3	825.4	831.3	838.5	838.5	842.1	852.8	861.2	855.2	843.2	846.9
50°	770.6	771.8	770.6	775.4	775.4	788.5	796.8	805.1	811.1	796.8	780.2
52.5°	711.1	709.9	711.1	714.7	719.4	725.4	739.7	748.0	757.6	749.2	723.0
55°	651.5	653.9	651.5	652.7	655.1	658.6	680.1	688.5	706.3	695.6	668.2
57.5°	591.9	588.4	591.9	594.3	595.6	599.1	617.0	632.4	643.2	644.3	611.0
60°	522.9	518.1	522.9	533.6	536.0	538.4	555.0	569.3	578.9	582.4	547.9
62.5°	462.1	453.8	462.1	469.3	474.0	480.0	492.0	513.4	521.7	522.9	474.0
65°	397.8	394.3	397.8	412.1	413.3	420.5	433.5	449.1	466.9	464.5	394.3
67.5°	339.5	339.5	339.5	349.0	356.2	359.7	376.4	383.5	406.2	408.6	328.7
70°	285.8	284.7	285.8	293.0	297.7	306.1	321.6	329.9	347.8	353.8	266.8
72.5°	234.6	233.5	234.6	240.6	245.4	252.5	265.6	275.1	290.6	297.7	207.3
75°	189.4	187.0	189.4	194.1	193.0	202.5	213.2	222.7	237.0	241.8	153.6
77.5°	145.3	145.3	145.3	150.1	150.1	159.6	164.4	176.3	184.6	191.8	113.1
80°	108.4	107.2	108.4	109.6	109.6	114.4	122.7	131.0	138.2	138.2	77.4
82.5°	76.2	73.9	76.2	76.2	76.2	78.6	83.4	85.8	90.5	94.1	48.8
85°	47.7	47.7	47.7	48.8	47.7	50.0	51.2	53.6	53.6	51.2	29.7
87.5°	31.0	29.7	31.0	29.7	29.7	28.6	28.6	28.6	27.4	26.2	16.7
90°	13.9	13.9	13.9	13.9	13.9	18.6	24.7	27.8	23.9	16.1	10.2
92.5°	55.7	44.7	55.7	66.8	69.5	98.6	137.3	156.6	137.6	99.4	70.7
95°	194.2	160.7	194.2	227.8	236.1	310.1	408.7	457.9	386.7	244.4	137.6
97.5°	465.3	401.6	465.3	529.1	545.1	591.8	654.1	685.3	566.5	329.2	151.1
100°	670.4	594.4	670.4	746.4	765.4	762.0	757.5	755.2	623.5	360.1	162.5
102.5°	872.2	807.1	872.2	937.3	953.5	894.0	814.7	775.0	641.4	374.2	173.9
105°	1129.4	1094.5	1129.4	1164.4	1173.2	1039.8	861.7	772.7	643.4	384.8	190.7
107.5°	1298.0	1306.4	1298.0	1289.6	1287.4	1101.2	852.9	728.8	614.8	386.6	215.6
110°	1362.2	1398.7	1362.2	1325.8	1316.6	1108.5	831.0	692.2	589.4	383.8	229.5



TEST NUMBER: P934276

CATALOG NUMBER: SQ4-FA-050U-050D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1368.0	1423.9	1368.0	1312.0	1298.0	1085.0	800.9	658.9	567.3	383.9	246.3
115°	1331.6	1409.3	1331.6	1254.0	1234.7	1029.5	755.9	619.0	541.9	387.4	271.6
117.5°	1254.8	1340.9	1254.8	1168.7	1147.2	962.0	715.0	591.5	525.9	394.6	296.1
120°	1192.8	1276.4	1192.8	1109.1	1088.2	919.0	693.4	580.6	520.5	400.5	310.4
122.5°	1132.5	1215.0	1132.5	1050.0	1029.4	877.0	673.7	572.1	517.7	408.8	327.2
125°	1046.3	1122.3	1046.3	970.4	951.4	821.9	649.3	563.0	515.4	420.2	348.8
127.5°	968.9	1033.0	968.9	904.8	888.8	777.6	629.4	555.3	514.1	431.6	369.7
130°	923.3	982.5	923.3	864.0	849.2	750.3	618.3	552.3	514.9	439.8	383.6
132.5°	881.9	934.9	881.9	828.8	815.5	727.0	608.9	549.8	515.4	446.6	395.0
135°	825.1	870.9	825.1	779.4	767.9	693.8	594.9	545.4	514.9	453.9	408.1
137.5°	779.7	817.0	779.7	742.2	732.9	670.2	586.5	544.7	518.1	464.9	425.0
140°	748.3	783.3	748.3	713.3	704.6	650.5	578.3	542.1	518.6	471.6	436.4
142.5°	722.5	752.6	722.5	692.5	684.9	637.3	573.8	542.1	520.5	477.2	444.7
145°	683.8	706.5	683.8	660.9	655.3	616.4	564.4	538.5	520.5	484.6	457.6
147.5°	653.9	672.8	653.9	635.0	630.3	599.7	558.9	538.5	524.1	495.2	473.7
150°	635.2	650.5	635.2	619.9	616.1	590.3	555.7	538.5	526.0	500.9	482.1
152.5°	619.2	630.7	619.2	607.7	604.7	582.6	553.2	538.5	527.2	504.6	487.6
155°	600.7	608.4	600.7	593.1	591.1	573.6	550.2	538.5	529.9	512.6	499.7
157.5°	586.2	591.5	586.2	580.8	579.4	565.7	547.5	538.5	532.5	520.6	511.8
160°	577.5	580.6	577.5	574.4	573.6	561.8	546.3	538.5	533.8	524.4	517.3
162.5°	571.8	574.7	571.8	568.9	568.1	558.3	545.1	538.5	535.1	528.3	523.1
165°	563.5	566.6	563.5	560.5	559.7	552.6	543.2	538.5	536.9	533.8	531.5
167.5°	557.7	559.0	557.7	556.4	556.1	551.4	545.2	542.1	540.8	538.2	536.3
170°	556.1	556.1	556.1	556.1	556.1	551.4	545.2	542.1	542.0	541.9	541.8
172.5°	551.7	550.6	551.7	552.9	553.1	549.5	544.6	542.1	542.1	542.1	542.1
175°	549.1	549.1	549.1	549.1	549.1	546.7	543.6	542.1	542.8	544.3	545.4
177.5°	546.7	545.4	546.7	548.0	548.3	546.5	544.1	542.8	543.4	544.5	545.4
180°	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4



TEST NUMBER: P934276
 CATALOG NUMBER: SQ4-FA-050U-050D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0
2.5°	1276.9	1269.7	1269.7	1257.8	1253.1	1249.4	1243.5	1225.6	1220.8	1216.1	1223.2
5°	1287.6	1274.5	1265.0	1243.5	1225.6	1218.5	1195.9	1153.0	1124.4	1102.9	1091.0
7.5°	1289.9	1273.3	1255.4	1222.1	1179.2	1160.1	1091.0	1012.4	991.0	971.9	960.0
10°	1287.6	1268.5	1243.5	1193.5	1092.2	1058.9	989.8	938.5	925.5	921.9	925.5
12.5°	1279.3	1261.3	1226.8	1143.5	1001.7	979.1	938.5	908.8	906.4	912.3	944.6
15°	1265.0	1248.3	1207.8	1076.7	951.7	935.0	906.4	895.7	908.8	950.5	1047.0
17.5°	1250.7	1231.6	1181.6	1011.3	913.6	901.7	881.4	902.8	976.7	1032.7	1064.8
20°	1231.6	1208.9	1151.7	963.6	886.1	875.5	865.9	962.4	1018.4	1038.6	1056.5
22.5°	1208.9	1185.1	1111.2	930.3	857.5	849.3	855.2	995.7	1018.4	1032.7	1048.1
25°	1179.2	1158.9	1063.6	904.1	835.0	825.4	848.0	992.2	1005.3	1008.9	1039.8
27.5°	1151.7	1125.5	1013.7	880.2	807.5	804.0	854.0	976.7	986.2	989.8	1023.2
30°	1118.4	1079.1	957.6	855.2	779.0	777.8	855.2	957.6	955.2	964.8	998.1
32.5°	1083.9	1010.0	894.5	824.2	751.6	750.4	846.9	929.0	926.6	939.8	964.8
35°	1051.7	956.5	808.7	788.5	717.1	718.2	826.6	895.7	896.9	908.8	924.3
37.5°	1018.4	910.0	714.7	749.2	683.7	683.7	799.2	864.7	862.3	865.9	887.4
40°	979.1	837.3	631.3	698.0	652.7	649.1	765.9	831.3	823.0	821.8	851.6
42.5°	937.4	757.6	569.3	630.1	617.0	612.2	725.4	790.9	775.4	779.0	817.0
45°	892.1	736.1	521.7	532.4	580.0	576.5	681.3	744.4	733.7	743.3	782.5
47.5°	846.9	693.2	506.2	441.9	540.8	539.5	632.4	699.1	693.2	702.8	744.4
50°	784.9	645.6	505.0	378.7	496.7	501.5	574.1	655.1	655.1	663.4	707.5
52.5°	705.2	587.2	458.6	343.0	445.4	459.7	522.9	617.0	619.4	627.7	667.0
55°	632.4	526.5	425.2	315.6	384.7	415.7	472.9	577.6	582.4	590.8	626.5
57.5°	565.7	438.3	418.1	283.4	328.7	358.5	428.8	539.5	541.9	549.1	583.6
60°	494.3	316.8	383.5	248.9	279.9	302.5	388.3	494.3	502.6	507.4	537.2
62.5°	413.3	229.9	347.8	225.1	256.1	260.8	354.9	451.5	462.1	465.8	483.6
65°	294.2	193.0	295.3	204.9	231.1	232.3	319.2	407.3	416.9	422.9	435.9
67.5°	198.9	157.3	225.1	185.8	212.1	213.2	284.7	356.2	369.2	374.0	382.4
70°	138.2	104.8	166.8	165.5	190.6	193.0	247.8	309.6	321.6	325.2	329.9
72.5°	101.2	84.5	138.2	148.9	167.9	170.3	209.7	257.3	269.2	272.8	275.1
75°	77.4	89.3	112.0	129.8	143.0	144.1	171.5	209.7	218.0	220.3	221.6
77.5°	61.9	83.4	82.2	104.8	116.7	114.4	134.6	162.0	169.2	169.2	169.2
80°	46.4	65.5	61.9	75.0	85.8	83.4	96.4	115.5	117.9	120.3	119.1
82.5°	34.5	41.6	41.6	47.7	57.2	54.8	64.3	75.0	75.0	75.0	77.4
85°	21.4	23.8	19.1	25.0	32.1	31.0	35.7	40.5	41.6	41.6	39.3
87.5°	13.1	10.7	5.9	9.5	14.3	14.3	16.7	17.8	16.7	16.7	16.7
90°	9.5	6.6	3.6	6.6	9.5	10.2	16.1	23.9	27.8	24.7	18.6
92.5°	64.5	39.5	14.7	39.5	64.5	70.7	99.4	137.6	156.6	137.3	98.6
95°	126.3	80.7	35.2	80.7	126.3	137.6	244.4	386.7	457.9	408.7	310.1
97.5°	141.1	100.9	60.7	100.9	141.1	151.1	329.2	566.5	685.3	654.1	591.8
100°	153.4	116.9	80.5	116.9	153.4	162.5	360.1	623.5	755.2	757.5	762.0
102.5°	165.3	131.4	97.4	131.4	165.3	173.9	374.2	641.4	775.0	814.7	894.0
105°	183.5	154.7	125.9	154.7	183.5	190.7	384.8	643.4	772.7	861.7	1039.8
107.5°	208.9	182.0	155.2	182.0	208.9	215.6	386.6	614.8	728.8	852.9	1101.2
110°	223.5	199.2	174.9	199.2	223.5	229.5	383.8	589.4	692.2	831.0	1108.5



TEST NUMBER: P934276

CATALOG NUMBER: SQ4-FA-050U-050D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	240.6	217.5	194.4	217.5	240.6	246.3	383.9	567.3	658.9	800.9	1085.0
115°	266.3	245.0	223.7	245.0	266.3	271.6	387.4	541.9	619.0	755.9	1029.5
117.5°	291.3	271.9	252.5	271.9	291.3	296.1	394.6	525.9	591.5	715.0	962.0
120°	305.9	287.6	269.4	287.6	305.9	310.4	400.5	520.5	580.6	693.4	919.0
122.5°	322.6	304.2	285.8	304.2	322.6	327.2	408.8	517.7	572.1	673.7	877.0
125°	344.6	327.8	311.2	327.8	344.6	348.8	420.2	515.4	563.0	649.3	821.9
127.5°	365.4	348.5	331.7	348.5	365.4	369.7	431.6	514.1	555.3	629.4	777.6
130°	379.1	360.8	342.6	360.8	379.1	383.6	439.8	514.9	552.3	618.3	750.3
132.5°	390.5	372.2	354.0	372.2	390.5	395.0	446.6	515.4	549.8	608.9	727.0
135°	404.0	387.4	370.8	387.4	404.0	408.1	453.9	514.9	545.4	594.9	693.8
137.5°	420.9	404.5	388.1	404.5	420.9	425.0	464.9	518.1	544.7	586.5	670.2
140°	432.5	417.4	402.3	417.4	432.5	436.4	471.6	518.6	542.1	578.3	650.5
142.5°	441.2	427.2	413.3	427.2	441.2	444.7	477.2	520.5	542.1	573.8	637.3
145°	454.6	442.3	430.1	442.3	454.6	457.6	484.6	520.5	538.5	564.4	616.4
147.5°	470.7	458.8	446.9	458.8	470.7	473.7	495.2	524.1	538.5	558.9	599.7
150°	479.4	468.7	457.9	468.7	479.4	482.1	500.9	526.0	538.5	555.7	590.3
152.5°	485.6	477.5	469.3	477.5	485.6	487.6	504.6	527.2	538.5	553.2	582.6
155°	498.2	492.1	486.1	492.1	498.2	499.7	512.6	529.9	538.5	550.2	573.6
157.5°	510.2	504.4	498.5	504.4	510.2	511.8	520.6	532.5	538.5	547.5	565.7
160°	516.1	511.6	507.0	511.6	516.1	517.3	524.4	533.8	538.5	546.3	561.8
162.5°	522.2	518.9	515.4	518.9	522.2	523.1	528.3	535.1	538.5	545.1	558.3
165°	530.7	527.6	524.5	527.6	530.7	531.5	533.8	536.9	538.5	543.2	552.6
167.5°	535.9	534.4	533.0	534.4	535.9	536.3	538.2	540.8	542.1	545.2	551.4
170°	541.4	539.9	538.5	539.9	541.4	541.8	541.9	542.0	542.1	545.2	551.4
172.5°	542.0	541.8	541.4	541.8	542.0	542.1	542.1	542.1	542.1	544.6	549.5
175°	545.4	545.4	545.4	545.4	545.4	545.4	544.3	542.8	542.1	543.6	546.7
177.5°	545.4	545.4	545.4	545.4	545.4	545.4	544.5	543.4	542.8	544.1	546.5
180°	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4



TEST NUMBER: P934276

CATALOG NUMBER: SQ4-FA-050U-050D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0	1259.0
2.5°	1214.9	1211.3	1216.1	1203.0	1216.1	1211.3	1214.9	1223.2	1216.1	1220.8	1225.6
5°	1066.0	1060.1	1041.0	1025.6	1041.0	1060.1	1066.0	1091.0	1102.9	1124.4	1153.0
7.5°	952.8	948.1	943.3	933.8	943.3	948.1	952.8	960.0	971.9	991.0	1012.4
10°	927.9	929.0	936.2	935.0	936.2	929.0	927.9	925.5	921.9	925.5	938.5
12.5°	992.2	1002.9	1042.2	1039.8	1042.2	1002.9	992.2	944.6	912.3	906.4	908.8
15°	1066.0	1069.6	1077.9	1079.1	1077.9	1069.6	1066.0	1047.0	950.5	908.8	895.7
17.5°	1073.1	1074.4	1080.3	1080.3	1080.3	1074.4	1073.1	1064.8	1032.7	976.7	902.8
20°	1067.2	1069.6	1081.5	1083.9	1081.5	1069.6	1067.2	1056.5	1038.6	1018.4	962.4
22.5°	1064.8	1069.6	1079.1	1077.9	1079.1	1069.6	1064.8	1048.1	1032.7	1018.4	995.7
25°	1052.9	1052.9	1054.1	1055.3	1054.1	1052.9	1052.9	1039.8	1008.9	1005.3	992.2
27.5°	1027.9	1030.3	1037.5	1036.2	1037.5	1030.3	1027.9	1023.2	989.8	986.2	976.7
30°	1005.3	1002.9	997.0	992.2	997.0	1002.9	1005.3	998.1	964.8	955.2	957.6
32.5°	967.1	961.2	955.2	951.7	955.2	961.2	967.1	964.8	939.8	926.6	929.0
35°	921.9	923.1	921.9	918.3	921.9	923.1	921.9	924.3	908.8	896.9	895.7
37.5°	889.8	892.1	890.9	886.1	890.9	892.1	889.8	887.4	865.9	862.3	864.7
40°	856.4	857.5	856.4	852.8	856.4	857.5	856.4	851.6	821.8	823.0	831.3
42.5°	824.2	823.0	819.4	817.0	819.4	823.0	824.2	817.0	779.0	775.4	790.9
45°	787.3	788.5	781.4	777.8	781.4	788.5	787.3	782.5	743.3	733.7	744.4
47.5°	750.4	750.4	744.4	740.9	744.4	750.4	750.4	744.4	702.8	693.2	699.1
50°	711.1	709.9	701.5	700.4	701.5	709.9	711.1	707.5	663.4	655.1	655.1
52.5°	665.8	665.8	667.0	669.4	667.0	665.8	665.8	667.0	627.7	619.4	617.0
55°	626.5	627.7	636.1	638.4	636.1	627.7	626.5	626.5	590.8	582.4	577.6
57.5°	586.0	586.0	591.9	591.9	591.9	586.0	586.0	583.6	549.1	541.9	539.5
60°	539.5	541.9	546.7	545.5	546.7	541.9	539.5	537.2	507.4	502.6	494.3
62.5°	490.7	493.1	494.3	492.0	494.3	493.1	490.7	483.6	465.8	462.1	451.5
65°	439.5	441.9	443.1	440.7	443.1	441.9	439.5	435.9	422.9	416.9	407.3
67.5°	387.1	385.9	384.7	389.5	384.7	385.9	387.1	382.4	374.0	369.2	356.2
70°	333.5	333.5	332.3	334.7	332.3	333.5	333.5	329.9	325.2	321.6	309.6
72.5°	276.3	275.1	279.9	276.3	279.9	275.1	276.3	275.1	272.8	269.2	257.3
75°	220.3	222.7	220.3	224.0	220.3	222.7	220.3	221.6	220.3	218.0	209.7
77.5°	167.9	170.3	167.9	167.9	167.9	170.3	167.9	169.2	169.2	169.2	162.0
80°	119.1	117.9	117.9	116.7	117.9	117.9	119.1	119.1	120.3	117.9	115.5
82.5°	76.2	75.0	75.0	77.4	75.0	75.0	76.2	77.4	75.0	75.0	75.0
85°	41.6	42.9	40.5	40.5	40.5	42.9	41.6	39.3	41.6	41.6	40.5
87.5°	15.5	14.3	14.3	14.3	14.3	14.3	15.5	16.7	16.7	16.7	17.8
90°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	18.6	24.7	27.8	23.9
92.5°	69.5	66.8	55.7	44.7	55.7	66.8	69.5	98.6	137.3	156.6	137.6
95°	236.1	227.8	194.2	160.7	194.2	227.8	236.1	310.1	408.7	457.9	386.7
97.5°	545.1	529.1	465.3	401.6	465.3	529.1	545.1	591.8	654.1	685.3	566.5
100°	765.4	746.4	670.4	594.4	670.4	746.4	765.4	762.0	757.5	755.2	623.5
102.5°	953.5	937.3	872.2	807.1	872.2	937.3	953.5	894.0	814.7	775.0	641.4
105°	1173.2	1164.4	1129.4	1094.5	1129.4	1164.4	1173.2	1039.8	861.7	772.7	643.4
107.5°	1287.4	1289.6	1298.0	1306.4	1298.0	1289.6	1287.4	1101.2	852.9	728.8	614.8
110°	1316.6	1325.8	1362.2	1398.7	1362.2	1325.8	1316.6	1108.5	831.0	692.2	589.4



TEST NUMBER: P934276

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1298.0	1312.0	1368.0	1423.9	1368.0	1312.0	1298.0	1085.0	800.9	658.9	567.3
115°	1234.7	1254.0	1331.6	1409.3	1331.6	1254.0	1234.7	1029.5	755.9	619.0	541.9
117.5°	1147.2	1168.7	1254.8	1340.9	1254.8	1168.7	1147.2	962.0	715.0	591.5	525.9
120°	1088.2	1109.1	1192.8	1276.4	1192.8	1109.1	1088.2	919.0	693.4	580.6	520.5
122.5°	1029.4	1050.0	1132.5	1215.0	1132.5	1050.0	1029.4	877.0	673.7	572.1	517.7
125°	951.4	970.4	1046.3	1122.3	1046.3	970.4	951.4	821.9	649.3	563.0	515.4
127.5°	888.8	904.8	968.9	1033.0	968.9	904.8	888.8	777.6	629.4	555.3	514.1
130°	849.2	864.0	923.3	982.5	923.3	864.0	849.2	750.3	618.3	552.3	514.9
132.5°	815.5	828.8	881.9	934.9	881.9	828.8	815.5	727.0	608.9	549.8	515.4
135°	767.9	779.4	825.1	870.9	825.1	779.4	767.9	693.8	594.9	545.4	514.9
137.5°	732.9	742.2	779.7	817.0	779.7	742.2	732.9	670.2	586.5	544.7	518.1
140°	704.6	713.3	748.3	783.3	748.3	713.3	704.6	650.5	578.3	542.1	518.6
142.5°	684.9	692.5	722.5	752.6	722.5	692.5	684.9	637.3	573.8	542.1	520.5
145°	655.3	660.9	683.8	706.5	683.8	660.9	655.3	616.4	564.4	538.5	520.5
147.5°	630.3	635.0	653.9	672.8	653.9	635.0	630.3	599.7	558.9	538.5	524.1
150°	616.1	619.9	635.2	650.5	635.2	619.9	616.1	590.3	555.7	538.5	526.0
152.5°	604.7	607.7	619.2	630.7	619.2	607.7	604.7	582.6	553.2	538.5	527.2
155°	591.1	593.1	600.7	608.4	600.7	593.1	591.1	573.6	550.2	538.5	529.9
157.5°	579.4	580.8	586.2	591.5	586.2	580.8	579.4	565.7	547.5	538.5	532.5
160°	573.6	574.4	577.5	580.6	577.5	574.4	573.6	561.8	546.3	538.5	533.8
162.5°	568.1	568.9	571.8	574.7	571.8	568.9	568.1	558.3	545.1	538.5	535.1
165°	559.7	560.5	563.5	566.6	563.5	560.5	559.7	552.6	543.2	538.5	536.9
167.5°	556.1	556.4	557.7	559.0	557.7	556.4	556.1	551.4	545.2	542.1	540.8
170°	556.1	556.1	556.1	556.1	556.1	556.1	556.1	551.4	545.2	542.1	542.0
172.5°	553.1	552.9	551.7	550.6	551.7	552.9	553.1	549.5	544.6	542.1	542.1
175°	549.1	549.1	549.1	549.1	549.1	549.1	549.1	546.7	543.6	542.1	542.8
177.5°	548.3	548.0	546.7	545.4	546.7	548.0	548.3	546.5	544.1	542.8	543.4
180°	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4



TEST NUMBER: P934276

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1259.0	1259.0	1259.0	1259.0	1259.0
2.5°	1243.5	1249.4	1253.1	1257.8	1269.7
5°	1195.9	1218.5	1225.6	1243.5	1265.0
7.5°	1091.0	1160.1	1179.2	1222.1	1255.4
10°	989.8	1058.9	1092.2	1193.5	1243.5
12.5°	938.5	979.1	1001.7	1143.5	1226.8
15°	906.4	935.0	951.7	1076.7	1207.8
17.5°	881.4	901.7	913.6	1011.3	1181.6
20°	865.9	875.5	886.1	963.6	1151.7
22.5°	855.2	849.3	857.5	930.3	1111.2
25°	848.0	825.4	835.0	904.1	1063.6
27.5°	854.0	804.0	807.5	880.2	1013.7
30°	855.2	777.8	779.0	855.2	957.6
32.5°	846.9	750.4	751.6	824.2	894.5
35°	826.6	718.2	717.1	788.5	808.7
37.5°	799.2	683.7	683.7	749.2	714.7
40°	765.9	649.1	652.7	698.0	631.3
42.5°	725.4	612.2	617.0	630.1	569.3
45°	681.3	576.5	580.0	532.4	521.7
47.5°	632.4	539.5	540.8	441.9	506.2
50°	574.1	501.5	496.7	378.7	505.0
52.5°	522.9	459.7	445.4	343.0	458.6
55°	472.9	415.7	384.7	315.6	425.2
57.5°	428.8	358.5	328.7	283.4	418.1
60°	388.3	302.5	279.9	248.9	383.5
62.5°	354.9	260.8	256.1	225.1	347.8
65°	319.2	232.3	231.1	204.9	295.3
67.5°	284.7	213.2	212.1	185.8	225.1
70°	247.8	193.0	190.6	165.5	166.8
72.5°	209.7	170.3	167.9	148.9	138.2
75°	171.5	144.1	143.0	129.8	112.0
77.5°	134.6	114.4	116.7	104.8	82.2
80°	96.4	83.4	85.8	75.0	61.9
82.5°	64.3	54.8	57.2	47.7	41.6
85°	35.7	31.0	32.1	25.0	19.1
87.5°	16.7	14.3	14.3	9.5	5.9
90°	16.1	10.2	9.5	6.6	3.6
92.5°	99.4	70.7	64.5	39.5	14.7
95°	244.4	137.6	126.3	80.7	35.2
97.5°	329.2	151.1	141.1	100.9	60.7
100°	360.1	162.5	153.4	116.9	80.5
102.5°	374.2	173.9	165.3	131.4	97.4
105°	384.8	190.7	183.5	154.7	125.9
107.5°	386.6	215.6	208.9	182.0	155.2
110°	383.8	229.5	223.5	199.2	174.9



TEST NUMBER: P934276

CATALOG NUMBER: SQ4-FA-050U-050D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	383.9	246.3	240.6	217.5	194.4
115°	387.4	271.6	266.3	245.0	223.7
117.5°	394.6	296.1	291.3	271.9	252.5
120°	400.5	310.4	305.9	287.6	269.4
122.5°	408.8	327.2	322.6	304.2	285.8
125°	420.2	348.8	344.6	327.8	311.2
127.5°	431.6	369.7	365.4	348.5	331.7
130°	439.8	383.6	379.1	360.8	342.6
132.5°	446.6	395.0	390.5	372.2	354.0
135°	453.9	408.1	404.0	387.4	370.8
137.5°	464.9	425.0	420.9	404.5	388.1
140°	471.6	436.4	432.5	417.4	402.3
142.5°	477.2	444.7	441.2	427.2	413.3
145°	484.6	457.6	454.6	442.3	430.1
147.5°	495.2	473.7	470.7	458.8	446.9
150°	500.9	482.1	479.4	468.7	457.9
152.5°	504.6	487.6	485.6	477.5	469.3
155°	512.6	499.7	498.2	492.1	486.1
157.5°	520.6	511.8	510.2	504.4	498.5
160°	524.4	517.3	516.1	511.6	507.0
162.5°	528.3	523.1	522.2	518.9	515.4
165°	533.8	531.5	530.7	527.6	524.5
167.5°	538.2	536.3	535.9	534.4	533.0
170°	541.9	541.8	541.4	539.9	538.5
172.5°	542.1	542.1	542.0	541.8	541.4
175°	544.3	545.4	545.4	545.4	545.4
177.5°	544.5	545.4	545.4	545.4	545.4
180°	545.4	545.4	545.4	545.4	545.4



TEST NUMBER: P934276
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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	10.75	11.60	11.73	12.58	13.88	13.59	14.43	14.56	15.42	16.72
	3H	11.23	11.98	12.21	12.98	14.30	14.94	15.69	15.92	16.69	18.01
	4H	11.42	12.13	12.42	13.13	14.46	15.38	16.10	16.38	17.10	18.43
	6H	11.54	12.20	12.55	13.20	14.54	15.67	16.33	16.68	17.33	18.67
	8H	11.54	12.16	12.55	13.19	14.52	15.74	16.37	16.76	17.39	18.73
	12H	11.51	12.10	12.53	13.12	14.48	15.78	16.38	16.80	17.39	18.76
4H	2H	11.79	12.50	12.79	13.50	14.83	14.00	14.71	15.00	15.71	17.04
	3H	12.81	13.41	13.82	14.44	15.78	15.50	16.10	16.52	17.13	18.47
	4H	13.09	13.63	14.11	14.65	16.02	16.03	16.58	17.05	17.60	18.97
	6H	13.21	13.68	14.24	14.72	16.09	16.40	16.87	17.43	17.91	19.28
	8H	13.22	13.65	14.25	14.69	16.07	16.51	16.94	17.54	17.98	19.36
	12H	13.18	13.58	14.23	14.63	16.01	16.56	16.96	17.62	18.01	19.40
8H	4H	13.54	13.98	14.57	15.02	16.39	16.16	16.59	17.19	17.63	19.01
	6H	13.80	14.16	14.86	15.24	16.62	16.59	16.96	17.65	18.04	19.41
	8H	13.84	14.16	14.91	15.23	16.62	16.75	17.07	17.81	18.13	19.52
	12H	13.83	14.11	14.89	15.17	16.60	16.85	17.13	17.91	18.19	19.62
12H	4H	13.55	13.94	14.60	14.99	16.38	16.12	16.52	17.17	17.57	18.95
	6H	13.86	14.18	14.93	15.24	16.64	16.59	16.91	17.66	17.97	19.37
	8H	13.93	14.21	15.00	15.27	16.70	16.75	17.03	17.82	18.09	19.53