

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: P934642

Luminaire Tested: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-6500K

Issue Date: 12/17/2024

**Test Information**

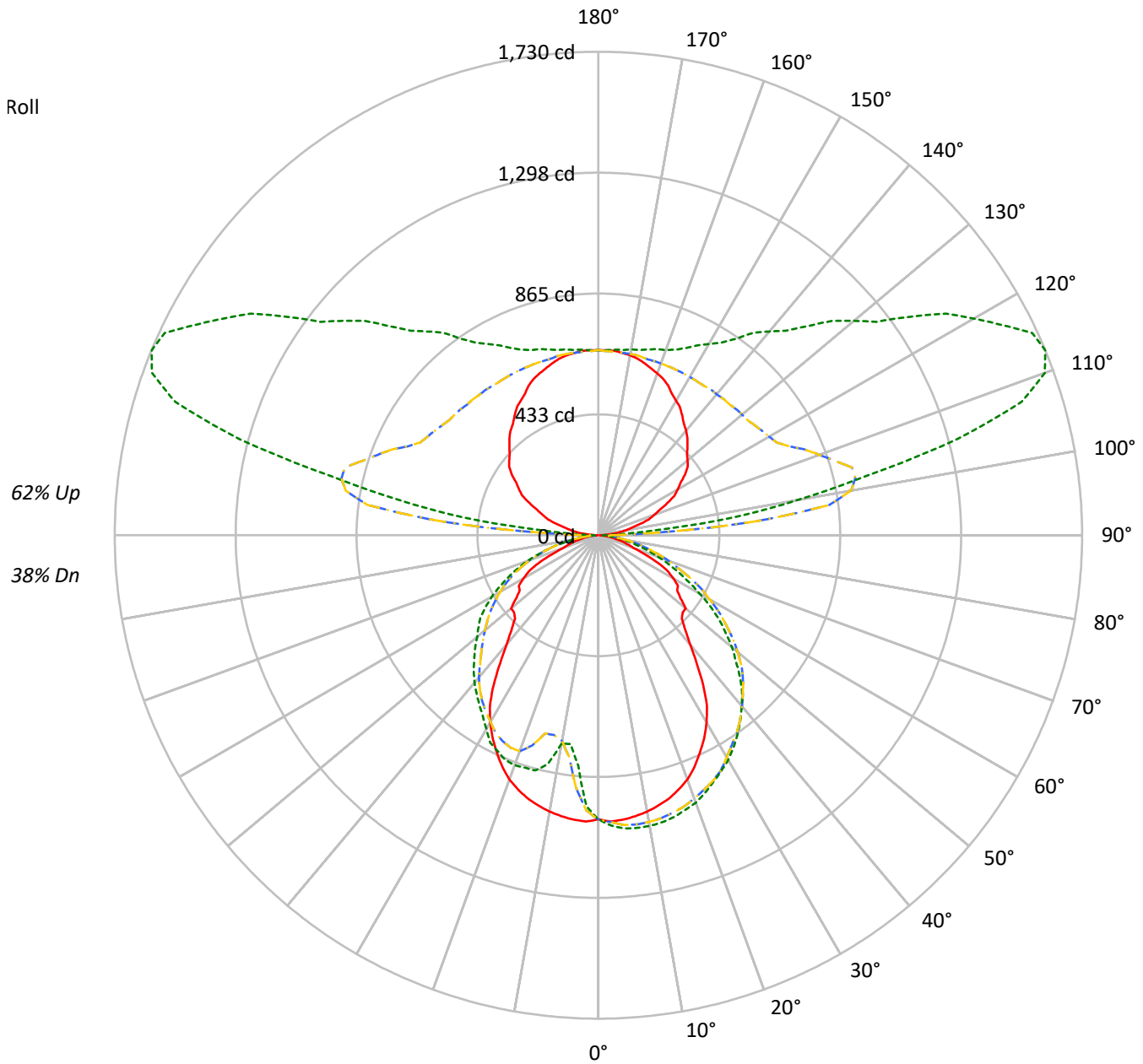
Test Method: LM-79-2019  
Report Number: P934642  
REPORT IS A COMBINATION OF REPORTS P933707 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-6500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6933.3 lumens  
Efficiency: N/A  
Efficacy: 134.4 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-Indirect  
  
Input Watts (W): 51.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P934642  
CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-6500K

### 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	0
RCR																		
0	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	95	91	87	84	86	83	79	77	67	65	63	53	52	50	40	39	38	32
2	87	79	73	68	78	72	67	63	59	55	52	47	44	42	35	34	32	27
3	79	70	63	57	71	64	57	52	52	47	44	41	38	35	31	29	27	23
4	72	62	54	48	65	56	50	44	46	41	37	37	33	30	28	25	24	20
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17
6	61	49	41	35	55	45	38	33	37	32	28	30	26	23	23	20	18	15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	21	18	16	13
8	52	40	32	27	47	37	30	25	30	25	22	24	21	18	19	16	14	12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	11
10	45	33	26	22	41	31	24	20	26	21	17	21	17	14	16	14	12	10

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

	0°	90°	180°	270°
0°	6289	6289	6289	6289
5°	6334	6349	6334	4992
10°	6289	6254	6289	4471
15°	6219	6119	6219	5109
20°	6087	5958	6087	5120
25°	5817	5724	5817	5012
30°	5472	5530	5472	4773
35°	4876	5284	4876	4511
40°	4060	4995	4060	4313
45°	3625	4655	3625	4086
50°	3848	4251	3848	3858
55°	3618	3816	3618	3726
60°	3724	3241	3724	3412
65°	3372	2679	3372	2995
70°	2328	2135	2328	2510
75°	2036	1578	2036	1890
80°	1627	1043	1627	1137
85°	918	552	918	470

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5560 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.8	1.3
10°-20°	260.6	3.8
20°-30°	402.8	5.8
30°-40°	480.9	6.9
40°-50°	483.7	7.0
50°-60°	420.9	6.1
60°-70°	298.4	4.3
70°-80°	157.9	2.3
80°-90°	41.8	0.6
90°-100°	322.9	4.7
100°-110°	849.0	12.2
110°-120°	880.3	12.7
120°-130°	706.1	10.2
130°-140°	554.0	8.0
140°-150°	425.3	6.1
150°-160°	306.3	4.4
160°-170°	187.4	2.7
170°-180°	63.3	0.9
0°-30°	755.2	10.9
0°-40°	1236.1	17.8
0°-60°	2140.6	30.9
0°-90°	2638.7	38.1
90°-120°	2052.2	29.6
90°-150°	3737.6	53.9
90°-180°	4295.0	61.9
0°-180°	6933.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1017	1017	1017	1017	1017	
5°	1022	1053	1022	828	1022	97
15°	975	1044	975	872	975	274
25°	859	974	859	852	859	394
35°	653	869	653	742	653	404
45°	421	716	421	628	421	337
55°	343	528	343	516	343	316
65°	239	318	239	356	239	228
75°	90	151	90	181	90	95
85°	15	38	15	33	15	21
90°	4	17	4	17	4	4
95°	43	195	43	195	43	47
105°	153	1329	153	1329	153	162
115°	272	1712	272	1712	272	268
125°	378	1363	378	1363	378	336
135°	450	1058	450	1058	450	348
145°	522	858	522	858	522	327
155°	590	739	590	739	590	271
165°	637	688	637	688	637	180
175°	662	667	662	667	662	63
180°	662	662	662	662	662	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7
2.5°	1025.4	1025.4	1031.2	1033.1	1033.1	1030.2	1027.3	1030.2	1038.9	1041.8	1040.8
5°	1021.5	1029.2	1039.9	1041.8	1043.7	1042.7	1040.8	1042.7	1052.3	1054.3	1055.3
7.5°	1013.9	1028.3	1041.8	1044.6	1047.5	1044.6	1043.7	1045.6	1055.3	1057.2	1057.2
10°	1004.2	1024.5	1039.9	1041.8	1044.6	1041.8	1041.8	1045.6	1055.3	1057.2	1058.1
12.5°	990.8	1018.6	1033.1	1035.0	1038.9	1037.9	1036.9	1040.8	1050.4	1052.3	1052.3
15°	975.4	1008.1	1021.5	1023.5	1030.2	1028.3	1028.3	1032.1	1042.7	1045.6	1044.6
17.5°	954.2	994.6	1010.0	1012.9	1017.7	1016.7	1017.7	1021.5	1031.2	1033.1	1034.0
20°	930.2	976.4	994.6	997.5	1002.3	1002.3	1002.3	1007.2	1016.7	1020.5	1020.5
22.5°	897.5	957.1	976.4	978.3	984.0	984.0	985.9	992.7	1001.3	1002.3	1002.3
25°	858.9	935.9	952.3	958.1	963.8	966.7	969.6	973.5	976.4	975.4	976.4
27.5°	818.6	909.0	930.2	934.0	941.8	944.6	948.4	949.4	950.4	953.2	951.3
30°	773.4	871.5	903.2	907.0	919.6	921.5	917.7	919.6	924.4	926.4	928.3
32.5°	722.4	815.7	875.3	884.0	895.6	889.7	888.8	891.6	899.4	899.4	901.3
35°	653.2	772.4	849.4	857.0	865.7	858.9	862.9	863.8	868.6	871.5	870.5
37.5°	577.2	734.9	822.4	828.2	834.9	826.2	832.1	834.9	838.8	836.9	836.9
40°	509.8	676.2	790.7	794.5	800.3	793.5	799.4	801.3	803.2	801.3	800.3
42.5°	459.8	611.8	757.0	761.8	758.0	762.8	764.8	768.6	765.7	761.8	761.8
45°	421.3	594.5	720.5	726.2	720.5	728.1	731.0	731.0	722.4	720.5	719.5
47.5°	408.8	559.9	684.0	684.0	681.0	690.7	695.4	688.7	680.0	677.2	677.2
50°	407.8	521.3	633.9	630.0	643.5	655.1	650.2	643.5	636.8	626.2	626.2
52.5°	370.3	474.2	569.4	583.9	605.1	611.8	604.1	597.3	585.8	581.0	577.2
55°	343.4	425.1	510.8	539.7	561.8	570.4	556.0	549.2	531.9	529.1	527.1
57.5°	337.6	354.0	456.9	493.5	520.4	519.4	510.8	498.3	483.8	481.0	480.0
60°	309.7	255.9	399.2	442.5	470.4	467.5	459.8	448.3	434.8	432.9	431.0
62.5°	280.8	185.7	333.8	382.9	422.3	421.3	414.6	397.3	387.6	382.9	379.0
65°	238.6	155.9	237.6	318.4	375.1	377.0	362.7	350.2	339.5	333.8	332.9
67.5°	181.8	127.0	160.6	265.5	330.0	328.0	309.7	304.0	290.5	287.6	281.9
70°	134.6	84.6	111.6	215.4	285.7	280.8	266.5	259.7	247.2	240.5	236.7
72.5°	111.6	68.3	81.8	167.3	240.5	234.7	222.2	214.5	204.0	198.1	194.3
75°	90.5	72.1	62.5	124.1	195.3	191.4	179.9	172.2	163.5	155.9	156.8
77.5°	66.4	67.3	50.0	91.4	154.9	149.1	142.4	132.7	128.9	121.2	121.2
80°	50.0	52.9	37.5	62.5	111.6	111.6	105.9	99.1	92.4	88.5	88.5
82.5°	33.7	33.7	27.9	39.4	76.0	73.1	69.2	67.3	63.5	61.6	61.6
85°	15.4	19.2	17.3	24.0	41.4	43.3	43.3	41.4	40.4	38.4	39.4
87.5°	4.8	8.7	10.6	13.5	21.1	22.1	23.0	23.0	23.0	24.0	24.0
90°	4.4	7.9	11.6	12.4	19.5	29.0	33.8	30.0	22.6	16.9	16.9
92.5°	17.8	48.0	78.2	85.8	120.6	167.0	190.3	166.8	119.7	84.4	81.1
95°	42.6	98.0	153.3	167.1	296.8	469.8	556.2	496.4	376.5	286.8	276.6
97.5°	73.8	122.6	171.3	183.6	399.9	688.2	832.4	794.5	718.9	662.1	642.7
100°	97.8	142.1	186.4	197.5	437.4	757.3	917.3	920.0	925.6	929.7	906.7
102.5°	118.3	159.6	200.9	211.2	454.6	779.0	941.3	989.5	1085.9	1158.2	1138.4
105°	153.0	188.0	223.0	231.7	467.3	781.5	938.6	1046.6	1262.8	1425.0	1414.4
107.5°	188.6	221.2	253.8	261.9	469.7	746.7	885.2	1036.0	1337.6	1563.8	1566.3
110°	212.6	242.0	271.4	278.7	466.0	715.9	840.8	1009.4	1346.5	1599.3	1610.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	236.1	264.1	292.2	299.2	466.2	688.9	800.3	972.8	1317.8	1576.6	1593.6
115°	271.7	297.6	323.4	329.9	470.5	658.1	751.9	918.0	1250.4	1499.7	1523.2
117.5°	306.7	330.3	353.8	359.7	479.3	638.7	718.5	868.5	1168.5	1393.5	1419.6
120°	327.2	349.4	371.5	377.0	486.4	632.2	705.2	842.2	1116.3	1321.8	1347.3
122.5°	347.3	369.6	391.9	397.5	496.6	628.9	695.0	818.3	1065.1	1250.2	1275.3
125°	377.9	398.3	418.6	423.7	510.4	626.0	683.9	788.7	998.4	1155.6	1178.6
127.5°	402.8	423.4	443.9	449.0	524.2	624.4	674.5	764.5	944.5	1079.5	1099.0
130°	416.1	438.3	460.4	466.0	534.3	625.4	671.0	751.1	911.3	1031.5	1049.5
132.5°	429.9	452.1	474.2	479.7	542.4	626.0	667.8	739.5	883.0	990.6	1006.7
135°	450.4	470.5	490.7	495.8	551.3	625.4	662.5	722.5	842.7	932.8	946.6
137.5°	471.3	491.2	511.2	516.2	564.6	629.3	661.6	712.4	813.9	890.1	901.5
140°	488.6	507.0	525.4	530.0	572.9	629.9	658.4	702.3	790.1	855.9	866.5
142.5°	502.0	519.0	536.0	540.2	579.6	632.1	658.4	697.0	774.0	831.9	841.1
145°	522.5	537.3	552.0	555.7	588.5	632.2	654.0	685.6	748.6	795.8	802.7
147.5°	542.8	557.3	571.7	575.3	601.5	636.5	654.0	678.8	728.4	765.6	771.4
150°	556.2	569.2	582.3	585.6	608.4	638.8	654.0	675.0	716.9	748.3	753.0
152.5°	570.0	579.9	589.8	592.3	612.8	640.3	654.0	671.9	707.7	734.5	738.1
155°	590.4	597.7	605.1	606.9	622.6	643.5	654.0	668.3	696.8	718.1	720.4
157.5°	605.6	612.7	619.8	621.6	632.4	646.9	654.0	665.1	687.2	703.9	705.5
160°	615.8	621.3	626.9	628.2	636.8	648.3	654.0	663.5	682.4	696.7	697.6
162.5°	626.0	630.2	634.3	635.4	641.6	649.9	654.0	662.1	678.0	690.1	690.9
165°	637.1	640.9	644.7	645.6	648.4	652.1	654.0	659.8	671.2	679.9	680.8
167.5°	647.3	649.2	650.9	651.4	653.7	656.9	658.4	662.2	669.7	675.4	675.7
170°	654.0	655.9	657.6	658.1	658.1	658.3	658.4	662.2	669.7	675.4	675.4
172.5°	657.6	658.0	658.3	658.4	658.4	658.4	658.4	661.4	667.3	671.8	671.4
175°	662.5	662.5	662.5	662.5	661.1	659.3	658.4	660.3	664.1	666.9	666.9
177.5°	662.5	662.5	662.5	662.5	661.4	660.1	659.4	660.9	663.9	666.1	665.7
180°	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7
2.5°	1042.7	1039.9	1042.7	1040.8	1041.8	1038.9	1030.2	1027.3	1030.2	1033.1	1033.1
5°	1055.3	1053.2	1055.3	1055.3	1054.3	1052.3	1042.7	1040.8	1042.7	1043.7	1041.8
7.5°	1059.1	1056.2	1059.1	1057.2	1057.2	1055.3	1045.6	1043.7	1044.6	1047.5	1044.6
10°	1059.1	1056.2	1059.1	1058.1	1057.2	1055.3	1045.6	1041.8	1041.8	1044.6	1041.8
12.5°	1054.3	1052.3	1054.3	1052.3	1052.3	1050.4	1040.8	1036.9	1037.9	1038.9	1035.0
15°	1046.6	1043.7	1046.6	1044.6	1045.6	1042.7	1032.1	1028.3	1028.3	1030.2	1023.5
17.5°	1035.0	1031.2	1035.0	1034.0	1033.1	1031.2	1021.5	1017.7	1016.7	1017.7	1012.9
20°	1021.5	1018.6	1021.5	1020.5	1020.5	1016.7	1007.2	1002.3	1002.3	1002.3	997.5
22.5°	1000.4	997.5	1000.4	1002.3	1002.3	1001.3	992.7	985.9	984.0	984.0	978.3
25°	976.4	973.5	976.4	976.4	975.4	976.4	973.5	969.6	966.7	963.8	958.1
27.5°	953.2	951.3	953.2	951.3	953.2	950.4	949.4	948.4	944.6	941.8	934.0
30°	930.2	928.3	930.2	928.3	926.4	924.4	919.6	917.7	921.5	919.6	907.0
32.5°	901.3	899.4	901.3	901.3	899.4	899.4	891.6	888.8	889.7	895.6	884.0
35°	871.5	868.6	871.5	870.5	871.5	868.6	863.8	862.9	858.9	865.7	857.0
37.5°	836.9	834.0	836.9	836.9	836.9	838.8	834.9	832.1	826.2	834.9	828.2
40°	801.3	797.5	801.3	800.3	801.3	803.2	801.3	799.4	793.5	800.3	794.5
42.5°	760.8	759.9	760.8	761.8	761.8	765.7	768.6	764.8	762.8	758.0	761.8
45°	717.6	715.6	717.6	719.5	720.5	722.4	731.0	731.0	728.1	720.5	726.2
47.5°	671.4	666.6	671.4	677.2	677.2	680.0	688.7	695.4	690.7	681.0	684.0
50°	622.4	623.3	622.4	626.2	626.2	636.8	643.5	650.2	655.1	643.5	630.0
52.5°	574.3	573.3	574.3	577.2	581.0	585.8	597.3	604.1	611.8	605.1	583.9
55°	526.2	528.1	526.2	527.1	529.1	531.9	549.2	556.0	570.4	561.8	539.7
57.5°	478.1	475.2	478.1	480.0	481.0	483.8	498.3	510.8	519.4	520.4	493.5
60°	422.3	418.4	422.3	431.0	432.9	434.8	448.3	459.8	467.5	470.4	442.5
62.5°	373.2	366.5	373.2	379.0	382.9	387.6	397.3	414.6	421.3	422.3	382.9
65°	321.3	318.4	321.3	332.9	333.8	339.5	350.2	362.7	377.0	375.1	318.4
67.5°	274.1	274.1	274.1	281.9	287.6	290.5	304.0	309.7	328.0	330.0	265.5
70°	230.8	229.9	230.8	236.7	240.5	247.2	259.7	266.5	280.8	285.7	215.4
72.5°	189.5	188.6	189.5	194.3	198.1	204.0	214.5	222.2	234.7	240.5	167.3
75°	153.0	151.0	153.0	156.8	155.9	163.5	172.2	179.9	191.4	195.3	124.1
77.5°	117.3	117.3	117.3	121.2	121.2	128.9	132.7	142.4	149.1	154.9	91.4
80°	87.5	86.5	87.5	88.5	88.5	92.4	99.1	105.9	111.6	111.6	62.5
82.5°	61.6	59.7	61.6	61.6	61.6	63.5	67.3	69.2	73.1	76.0	39.4
85°	38.4	38.4	38.4	39.4	38.4	40.4	41.4	43.3	43.3	41.4	24.0
87.5°	25.1	24.0	25.1	24.0	24.0	23.0	23.0	23.0	22.1	21.1	13.5
90°	16.9	16.9	16.9	16.9	16.9	22.6	30.0	33.8	29.0	19.5	12.4
92.5°	67.6	54.2	67.6	81.1	84.4	119.7	166.8	190.3	167.0	120.6	85.8
95°	235.9	195.2	235.9	276.6	286.8	376.5	496.4	556.2	469.8	296.8	167.1
97.5°	565.2	487.8	565.2	642.7	662.1	718.9	794.5	832.4	688.2	399.9	183.6
100°	814.3	722.0	814.3	906.7	929.7	925.6	920.0	917.3	757.3	437.4	197.5
102.5°	1059.5	980.4	1059.5	1138.4	1158.2	1085.9	989.5	941.3	779.0	454.6	211.2
105°	1371.9	1329.4	1371.9	1414.4	1425.0	1262.8	1046.6	938.6	781.5	467.3	231.7
107.5°	1576.6	1586.8	1576.6	1566.3	1563.8	1337.6	1036.0	885.2	746.7	469.7	261.9
110°	1654.6	1698.9	1654.6	1610.4	1599.3	1346.5	1009.4	840.8	715.9	466.0	278.7





TEST NUMBER: P934642

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1661.6	1729.6	1661.6	1593.6	1576.6	1317.8	972.8	800.3	688.9	466.2	299.2
115°	1617.5	1711.8	1617.5	1523.2	1499.7	1250.4	918.0	751.9	658.1	470.5	329.9
117.5°	1524.1	1628.6	1524.1	1419.6	1393.5	1168.5	868.5	718.5	638.7	479.3	359.7
120°	1448.8	1550.4	1448.8	1347.3	1321.8	1116.3	842.2	705.2	632.2	486.4	377.0
122.5°	1375.5	1475.7	1375.5	1275.3	1250.2	1065.1	818.3	695.0	628.9	496.6	397.5
125°	1271.0	1363.2	1271.0	1178.6	1155.6	998.4	788.7	683.9	626.0	510.4	423.7
127.5°	1176.9	1254.7	1176.9	1099.0	1079.5	944.5	764.5	674.5	624.4	524.2	449.0
130°	1121.4	1193.3	1121.4	1049.5	1031.5	911.3	751.1	671.0	625.4	534.3	466.0
132.5°	1071.1	1135.6	1071.1	1006.7	990.6	883.0	739.5	667.8	626.0	542.4	479.7
135°	1002.2	1057.7	1002.2	946.6	932.8	842.7	722.5	662.5	625.4	551.3	495.8
137.5°	946.9	992.4	946.9	901.5	890.1	813.9	712.4	661.6	629.3	564.6	516.2
140°	909.1	951.5	909.1	866.5	855.9	790.1	702.3	658.4	629.9	572.9	530.0
142.5°	877.6	914.1	877.6	841.1	831.9	774.0	697.0	658.4	632.1	579.6	540.2
145°	830.5	858.1	830.5	802.7	795.8	748.6	685.6	654.0	632.2	588.5	555.7
147.5°	794.2	817.2	794.2	771.4	765.6	728.4	678.8	654.0	636.5	601.5	575.3
150°	771.6	790.1	771.6	753.0	748.3	716.9	675.0	654.0	638.8	608.4	585.6
152.5°	752.0	766.1	752.0	738.1	734.5	707.7	671.9	654.0	640.3	612.8	592.3
155°	729.7	738.9	729.7	720.4	718.1	696.8	668.3	654.0	643.5	622.6	606.9
157.5°	712.0	718.5	712.0	705.5	703.9	687.2	665.1	654.0	646.9	632.4	621.6
160°	701.4	705.2	701.4	697.6	696.7	682.4	663.5	654.0	648.3	636.8	628.2
162.5°	694.5	698.0	694.5	690.9	690.1	678.0	662.1	654.0	649.9	641.6	635.4
165°	684.5	688.3	684.5	680.8	679.9	671.2	659.8	654.0	652.1	648.4	645.6
167.5°	677.4	678.9	677.4	675.7	675.4	669.7	662.2	658.4	656.9	653.7	651.4
170°	675.4	675.4	675.4	675.4	675.4	669.7	662.2	658.4	658.3	658.1	658.1
172.5°	670.1	668.7	670.1	671.4	671.8	667.3	661.4	658.4	658.4	658.4	658.4
175°	666.9	666.9	666.9	666.9	666.9	664.1	660.3	658.4	659.3	661.1	662.5
177.5°	664.1	662.5	664.1	665.7	666.1	663.9	660.9	659.4	660.1	661.4	662.5
180°	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5



TEST NUMBER: P934642

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7
2.5°	1031.2	1025.4	1025.4	1015.8	1011.9	1009.1	1004.2	989.9	985.9	982.1	987.8
5°	1039.9	1029.2	1021.5	1004.2	989.9	984.0	965.8	931.1	908.0	890.7	881.1
7.5°	1041.8	1028.3	1013.9	986.9	952.3	936.9	881.1	817.6	800.3	784.9	775.3
10°	1039.9	1024.5	1004.2	963.8	882.1	855.1	799.4	758.0	747.4	744.5	747.4
12.5°	1033.1	1018.6	990.8	923.4	808.9	790.7	758.0	734.0	732.0	736.8	762.8
15°	1021.5	1008.1	975.4	869.6	768.6	755.1	732.0	723.4	734.0	767.6	845.6
17.5°	1010.0	994.6	954.2	816.7	737.8	728.1	711.8	729.1	788.8	834.0	859.9
20°	994.6	976.4	930.2	778.1	715.6	707.0	699.3	777.2	822.4	838.8	853.2
22.5°	976.4	957.1	897.5	751.3	692.6	685.9	690.7	804.2	822.4	834.0	846.5
25°	952.3	935.9	858.9	730.1	674.3	666.6	684.9	801.3	811.8	814.8	839.7
27.5°	930.2	909.0	818.6	710.8	652.2	649.3	689.7	788.8	796.5	799.4	826.2
30°	903.2	871.5	773.4	690.7	629.1	628.1	690.7	773.4	771.5	779.1	806.1
32.5°	875.3	815.7	722.4	665.6	607.0	606.0	684.0	750.3	748.4	758.9	779.1
35°	849.4	772.4	653.2	636.8	579.1	580.0	667.5	723.4	724.3	734.0	746.4
37.5°	822.4	734.9	577.2	605.1	552.1	552.1	645.4	698.3	696.4	699.3	716.7
40°	790.7	676.2	509.8	563.7	527.1	524.3	618.5	671.4	664.6	663.7	687.8
42.5°	757.0	611.8	459.8	508.9	498.3	494.4	585.8	638.7	626.2	629.1	659.9
45°	720.5	594.5	421.3	430.0	468.4	465.6	550.2	601.2	592.6	600.2	631.9
47.5°	684.0	559.9	408.8	356.9	436.7	435.7	510.8	564.6	559.9	567.5	601.2
50°	633.9	521.3	407.8	305.9	401.1	404.9	463.7	529.1	529.1	535.8	571.4
52.5°	569.4	474.2	370.3	277.0	359.7	371.3	422.3	498.3	500.2	507.0	538.6
55°	510.8	425.1	343.4	254.9	310.7	335.7	381.9	466.5	470.4	477.1	505.9
57.5°	456.9	354.0	337.6	228.9	265.5	289.5	346.3	435.7	437.6	443.5	471.3
60°	399.2	255.9	309.7	201.0	226.0	244.3	313.5	399.2	405.9	409.7	433.8
62.5°	333.8	185.7	280.8	181.8	206.8	210.6	286.7	364.6	373.2	376.1	390.5
65°	237.6	155.9	238.6	165.4	186.6	187.6	257.8	328.9	336.7	341.5	352.1
67.5°	160.6	127.0	181.8	150.0	171.3	172.2	229.9	287.6	298.2	302.1	308.8
70°	111.6	84.6	134.6	133.7	153.9	155.9	200.0	250.1	259.7	262.6	266.5
72.5°	81.8	68.3	111.6	120.2	135.6	137.6	169.3	207.8	217.4	220.3	222.2
75°	62.5	72.1	90.5	104.9	115.4	116.4	138.6	169.3	176.0	177.9	178.9
77.5°	50.0	67.3	66.4	84.6	94.3	92.4	108.7	130.8	136.5	136.5	136.5
80°	37.5	52.9	50.0	60.6	69.2	67.3	77.9	93.3	95.2	97.1	96.2
82.5°	27.9	33.7	33.7	38.4	46.2	44.3	51.9	60.6	60.6	60.6	62.5
85°	17.3	19.2	15.4	20.2	26.0	25.1	28.9	32.7	33.7	33.7	31.7
87.5°	10.6	8.7	4.8	7.6	11.6	11.6	13.5	14.4	13.5	13.5	13.5
90°	11.6	7.9	4.4	7.9	11.6	12.4	19.5	29.0	33.8	30.0	22.6
92.5°	78.2	48.0	17.8	48.0	78.2	85.8	120.6	167.0	190.3	166.8	119.7
95°	153.3	98.0	42.6	98.0	153.3	167.1	296.8	469.8	556.2	496.4	376.5
97.5°	171.3	122.6	73.8	122.6	171.3	183.6	399.9	688.2	832.4	794.5	718.9
100°	186.4	142.1	97.8	142.1	186.4	197.5	437.4	757.3	917.3	920.0	925.6
102.5°	200.9	159.6	118.3	159.6	200.9	211.2	454.6	779.0	941.3	989.5	1085.9
105°	223.0	188.0	153.0	188.0	223.0	231.7	467.3	781.5	938.6	1046.6	1262.8
107.5°	253.8	221.2	188.6	221.2	253.8	261.9	469.7	746.7	885.2	1036.0	1337.6
110°	271.4	242.0	212.6	242.0	271.4	278.7	466.0	715.9	840.8	1009.4	1346.5



TEST NUMBER: P934642

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	292.2	264.1	236.1	264.1	292.2	299.2	466.2	688.9	800.3	972.8	1317.8
115°	323.4	297.6	271.7	297.6	323.4	329.9	470.5	658.1	751.9	918.0	1250.4
117.5°	353.8	330.3	306.7	330.3	353.8	359.7	479.3	638.7	718.5	868.5	1168.5
120°	371.5	349.4	327.2	349.4	371.5	377.0	486.4	632.2	705.2	842.2	1116.3
122.5°	391.9	369.6	347.3	369.6	391.9	397.5	496.6	628.9	695.0	818.3	1065.1
125°	418.6	398.3	377.9	398.3	418.6	423.7	510.4	626.0	683.9	788.7	998.4
127.5°	443.9	423.4	402.8	423.4	443.9	449.0	524.2	624.4	674.5	764.5	944.5
130°	460.4	438.3	416.1	438.3	460.4	466.0	534.3	625.4	671.0	751.1	911.3
132.5°	474.2	452.1	429.9	452.1	474.2	479.7	542.4	626.0	667.8	739.5	883.0
135°	490.7	470.5	450.4	470.5	490.7	495.8	551.3	625.4	662.5	722.5	842.7
137.5°	511.2	491.2	471.3	491.2	511.2	516.2	564.6	629.3	661.6	712.4	813.9
140°	525.4	507.0	488.6	507.0	525.4	530.0	572.9	629.9	658.4	702.3	790.1
142.5°	536.0	519.0	502.0	519.0	536.0	540.2	579.6	632.1	658.4	697.0	774.0
145°	552.0	537.3	522.5	537.3	552.0	555.7	588.5	632.2	654.0	685.6	748.6
147.5°	571.7	557.3	542.8	557.3	571.7	575.3	601.5	636.5	654.0	678.8	728.4
150°	582.3	569.2	556.2	569.2	582.3	585.6	608.4	638.8	654.0	675.0	716.9
152.5°	589.8	579.9	570.0	579.9	589.8	592.3	612.8	640.3	654.0	671.9	707.7
155°	605.1	597.7	590.4	597.7	605.1	606.9	622.6	643.5	654.0	668.3	696.8
157.5°	619.8	612.7	605.6	612.7	619.8	621.6	632.4	646.9	654.0	665.1	687.2
160°	626.9	621.3	615.8	621.3	626.9	628.2	636.8	648.3	654.0	663.5	682.4
162.5°	634.3	630.2	626.0	630.2	634.3	635.4	641.6	649.9	654.0	662.1	678.0
165°	644.7	640.9	637.1	640.9	644.7	645.6	648.4	652.1	654.0	659.8	671.2
167.5°	650.9	649.2	647.3	649.2	650.9	651.4	653.7	656.9	658.4	662.2	669.7
170°	657.6	655.9	654.0	655.9	657.6	658.1	658.1	658.3	658.4	662.2	669.7
172.5°	658.3	658.0	657.6	658.0	658.3	658.4	658.4	658.4	658.4	661.4	667.3
175°	662.5	662.5	662.5	662.5	662.5	662.5	661.1	659.3	658.4	660.3	664.1
177.5°	662.5	662.5	662.5	662.5	662.5	662.5	661.4	660.1	659.4	660.9	663.9
180°	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5



TEST NUMBER: P934642

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7	1016.7
2.5°	981.1	978.3	982.1	971.5	982.1	978.3	981.1	987.8	982.1	985.9	989.9
5°	861.0	856.1	840.7	828.2	840.7	856.1	861.0	881.1	890.7	908.0	931.1
7.5°	769.5	765.7	761.8	754.1	761.8	765.7	769.5	775.3	784.9	800.3	817.6
10°	749.4	750.3	756.1	755.1	756.1	750.3	749.4	747.4	744.5	747.4	758.0
12.5°	801.3	809.9	841.6	839.7	841.6	809.9	801.3	762.8	736.8	732.0	734.0
15°	861.0	863.8	870.5	871.5	870.5	863.8	861.0	845.6	767.6	734.0	723.4
17.5°	866.7	867.6	872.4	872.4	872.4	867.6	866.7	859.9	834.0	788.8	729.1
20°	861.9	863.8	873.4	875.3	873.4	863.8	861.9	853.2	838.8	822.4	777.2
22.5°	859.9	863.8	871.5	870.5	871.5	863.8	859.9	846.5	834.0	822.4	804.2
25°	850.3	850.3	851.3	852.3	851.3	850.3	850.3	839.7	814.8	811.8	801.3
27.5°	830.2	832.1	837.8	836.9	837.8	832.1	830.2	826.2	799.4	796.5	788.8
30°	811.8	809.9	805.1	801.3	805.1	809.9	811.8	806.1	779.1	771.5	773.4
32.5°	781.1	776.2	771.5	768.6	771.5	776.2	781.1	779.1	758.9	748.4	750.3
35°	744.5	745.4	744.5	741.6	744.5	745.4	744.5	746.4	734.0	724.3	723.4
37.5°	718.6	720.5	719.5	715.6	719.5	720.5	718.6	716.7	699.3	696.4	698.3
40°	691.6	692.6	691.6	688.7	691.6	692.6	691.6	687.8	663.7	664.6	671.4
42.5°	665.6	664.6	661.8	659.9	661.8	664.6	665.6	659.9	629.1	626.2	638.7
45°	635.9	636.8	631.0	628.1	631.0	636.8	635.9	631.9	600.2	592.6	601.2
47.5°	606.0	606.0	601.2	598.3	601.2	606.0	606.0	601.2	567.5	559.9	564.6
50°	574.3	573.3	566.5	565.6	566.5	573.3	574.3	571.4	535.8	529.1	529.1
52.5°	537.7	537.7	538.6	540.6	538.6	537.7	537.7	538.6	507.0	500.2	498.3
55°	505.9	507.0	513.7	515.6	513.7	507.0	505.9	505.9	477.1	470.4	466.5
57.5°	473.2	473.2	478.1	478.1	478.1	473.2	473.2	471.3	443.5	437.6	435.7
60°	435.7	437.6	441.5	440.5	441.5	437.6	435.7	433.8	409.7	405.9	399.2
62.5°	396.3	398.3	399.2	397.3	399.2	398.3	396.3	390.5	376.1	373.2	364.6
65°	354.9	356.9	357.8	355.9	357.8	356.9	354.9	352.1	341.5	336.7	328.9
67.5°	312.6	311.6	310.7	314.6	310.7	311.6	312.6	308.8	302.1	298.2	287.6
70°	269.4	269.4	268.4	270.3	268.4	269.4	269.4	266.5	262.6	259.7	250.1
72.5°	223.2	222.2	226.0	223.2	226.0	222.2	223.2	222.2	220.3	217.4	207.8
75°	177.9	179.9	177.9	180.8	177.9	179.9	177.9	178.9	177.9	176.0	169.3
77.5°	135.6	137.6	135.6	135.6	135.6	137.6	135.6	136.5	136.5	136.5	130.8
80°	96.2	95.2	95.2	94.3	95.2	95.2	96.2	96.2	97.1	95.2	93.3
82.5°	61.6	60.6	60.6	62.5	60.6	60.6	61.6	62.5	60.6	60.6	60.6
85°	33.7	34.6	32.7	32.7	32.7	34.6	33.7	31.7	33.7	33.7	32.7
87.5°	12.5	11.6	11.6	11.6	11.6	11.6	12.5	13.5	13.5	13.5	14.4
90°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	22.6	30.0	33.8	29.0
92.5°	84.4	81.1	67.6	54.2	67.6	81.1	84.4	119.7	166.8	190.3	167.0
95°	286.8	276.6	235.9	195.2	235.9	276.6	286.8	376.5	496.4	556.2	469.8
97.5°	662.1	642.7	565.2	487.8	565.2	642.7	662.1	718.9	794.5	832.4	688.2
100°	929.7	906.7	814.3	722.0	814.3	906.7	929.7	925.6	920.0	917.3	757.3
102.5°	1158.2	1138.4	1059.5	980.4	1059.5	1138.4	1158.2	1085.9	989.5	941.3	779.0
105°	1425.0	1414.4	1371.9	1329.4	1371.9	1414.4	1425.0	1262.8	1046.6	938.6	781.5
107.5°	1563.8	1566.3	1576.6	1586.8	1576.6	1566.3	1563.8	1337.6	1036.0	885.2	746.7
110°	1599.3	1610.4	1654.6	1698.9	1654.6	1610.4	1599.3	1346.5	1009.4	840.8	715.9



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1576.6	1593.6	1661.6	1729.6	1661.6	1593.6	1576.6	1317.8	972.8	800.3	688.9
115°	1499.7	1523.2	1617.5	1711.8	1617.5	1523.2	1499.7	1250.4	918.0	751.9	658.1
117.5°	1393.5	1419.6	1524.1	1628.6	1524.1	1419.6	1393.5	1168.5	868.5	718.5	638.7
120°	1321.8	1347.3	1448.8	1550.4	1448.8	1347.3	1321.8	1116.3	842.2	705.2	632.2
122.5°	1250.2	1275.3	1375.5	1475.7	1375.5	1275.3	1250.2	1065.1	818.3	695.0	628.9
125°	1155.6	1178.6	1271.0	1363.2	1271.0	1178.6	1155.6	998.4	788.7	683.9	626.0
127.5°	1079.5	1099.0	1176.9	1254.7	1176.9	1099.0	1079.5	944.5	764.5	674.5	624.4
130°	1031.5	1049.5	1121.4	1193.3	1121.4	1049.5	1031.5	911.3	751.1	671.0	625.4
132.5°	990.6	1006.7	1071.1	1135.6	1071.1	1006.7	990.6	883.0	739.5	667.8	626.0
135°	932.8	946.6	1002.2	1057.7	1002.2	946.6	932.8	842.7	722.5	662.5	625.4
137.5°	890.1	901.5	946.9	992.4	946.9	901.5	890.1	813.9	712.4	661.6	629.3
140°	855.9	866.5	909.1	951.5	909.1	866.5	855.9	790.1	702.3	658.4	629.9
142.5°	831.9	841.1	877.6	914.1	877.6	841.1	831.9	774.0	697.0	658.4	632.1
145°	795.8	802.7	830.5	858.1	830.5	802.7	795.8	748.6	685.6	654.0	632.2
147.5°	765.6	771.4	794.2	817.2	794.2	771.4	765.6	728.4	678.8	654.0	636.5
150°	748.3	753.0	771.6	790.1	771.6	753.0	748.3	716.9	675.0	654.0	638.8
152.5°	734.5	738.1	752.0	766.1	752.0	738.1	734.5	707.7	671.9	654.0	640.3
155°	718.1	720.4	729.7	738.9	729.7	720.4	718.1	696.8	668.3	654.0	643.5
157.5°	703.9	705.5	712.0	718.5	712.0	705.5	703.9	687.2	665.1	654.0	646.9
160°	696.7	697.6	701.4	705.2	701.4	697.6	696.7	682.4	663.5	654.0	648.3
162.5°	690.1	690.9	694.5	698.0	694.5	690.9	690.1	678.0	662.1	654.0	649.9
165°	679.9	680.8	684.5	688.3	684.5	680.8	679.9	671.2	659.8	654.0	652.1
167.5°	675.4	675.7	677.4	678.9	677.4	675.7	675.4	669.7	662.2	658.4	656.9
170°	675.4	675.4	675.4	675.4	675.4	675.4	675.4	669.7	662.2	658.4	658.3
172.5°	671.8	671.4	670.1	668.7	670.1	671.4	671.8	667.3	661.4	658.4	658.4
175°	666.9	666.9	666.9	666.9	666.9	666.9	666.9	664.1	660.3	658.4	659.3
177.5°	666.1	665.7	664.1	662.5	664.1	665.7	666.1	663.9	660.9	659.4	660.1
180°	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5	662.5



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1016.7	1016.7	1016.7	1016.7	1016.7
2.5°	1004.2	1009.1	1011.9	1015.8	1025.4
5°	965.8	984.0	989.9	1004.2	1021.5
7.5°	881.1	936.9	952.3	986.9	1013.9
10°	799.4	855.1	882.1	963.8	1004.2
12.5°	758.0	790.7	808.9	923.4	990.8
15°	732.0	755.1	768.6	869.6	975.4
17.5°	711.8	728.1	737.8	816.7	954.2
20°	699.3	707.0	715.6	778.1	930.2
22.5°	690.7	685.9	692.6	751.3	897.5
25°	684.9	666.6	674.3	730.1	858.9
27.5°	689.7	649.3	652.2	710.8	818.6
30°	690.7	628.1	629.1	690.7	773.4
32.5°	684.0	606.0	607.0	665.6	722.4
35°	667.5	580.0	579.1	636.8	653.2
37.5°	645.4	552.1	552.1	605.1	577.2
40°	618.5	524.3	527.1	563.7	509.8
42.5°	585.8	494.4	498.3	508.9	459.8
45°	550.2	465.6	468.4	430.0	421.3
47.5°	510.8	435.7	436.7	356.9	408.8
50°	463.7	404.9	401.1	305.9	407.8
52.5°	422.3	371.3	359.7	277.0	370.3
55°	381.9	335.7	310.7	254.9	343.4
57.5°	346.3	289.5	265.5	228.9	337.6
60°	313.5	244.3	226.0	201.0	309.7
62.5°	286.7	210.6	206.8	181.8	280.8
65°	257.8	187.6	186.6	165.4	238.6
67.5°	229.9	172.2	171.3	150.0	181.8
70°	200.0	155.9	153.9	133.7	134.6
72.5°	169.3	137.6	135.6	120.2	111.6
75°	138.6	116.4	115.4	104.9	90.5
77.5°	108.7	92.4	94.3	84.6	66.4
80°	77.9	67.3	69.2	60.6	50.0
82.5°	51.9	44.3	46.2	38.4	33.7
85°	28.9	25.1	26.0	20.2	15.4
87.5°	13.5	11.6	11.6	7.6	4.8
90°	19.5	12.4	11.6	7.9	4.4
92.5°	120.6	85.8	78.2	48.0	17.8
95°	296.8	167.1	153.3	98.0	42.6
97.5°	399.9	183.6	171.3	122.6	73.8
100°	437.4	197.5	186.4	142.1	97.8
102.5°	454.6	211.2	200.9	159.6	118.3
105°	467.3	231.7	223.0	188.0	153.0
107.5°	469.7	261.9	253.8	221.2	188.6
110°	466.0	278.7	271.4	242.0	212.6



TEST NUMBER: P934642

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	466.2	299.2	292.2	264.1	236.1
115°	470.5	329.9	323.4	297.6	271.7
117.5°	479.3	359.7	353.8	330.3	306.7
120°	486.4	377.0	371.5	349.4	327.2
122.5°	496.6	397.5	391.9	369.6	347.3
125°	510.4	423.7	418.6	398.3	377.9
127.5°	524.2	449.0	443.9	423.4	402.8
130°	534.3	466.0	460.4	438.3	416.1
132.5°	542.4	479.7	474.2	452.1	429.9
135°	551.3	495.8	490.7	470.5	450.4
137.5°	564.6	516.2	511.2	491.2	471.3
140°	572.9	530.0	525.4	507.0	488.6
142.5°	579.6	540.2	536.0	519.0	502.0
145°	588.5	555.7	552.0	537.3	522.5
147.5°	601.5	575.3	571.7	557.3	542.8
150°	608.4	585.6	582.3	569.2	556.2
152.5°	612.8	592.3	589.8	579.9	570.0
155°	622.6	606.9	605.1	597.7	590.4
157.5°	632.4	621.6	619.8	612.7	605.6
160°	636.8	628.2	626.9	621.3	615.8
162.5°	641.6	635.4	634.3	630.2	626.0
165°	648.4	645.6	644.7	640.9	637.1
167.5°	653.7	651.4	650.9	649.2	647.3
170°	658.1	658.1	657.6	655.9	654.0
172.5°	658.4	658.4	658.3	658.0	657.6
175°	661.1	662.5	662.5	662.5	662.5
177.5°	661.4	662.5	662.5	662.5	662.5
180°	662.5	662.5	662.5	662.5	662.5



TEST NUMBER: P934642

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-6500K

**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	9.98	10.74	11.03	11.80	13.23	12.80	13.56	13.85	14.62	16.05
	3H	10.44	11.13	11.51	12.19	13.65	14.14	14.82	15.20	15.89	17.34
	4H	10.63	11.28	11.71	12.35	13.80	14.57	15.22	15.65	16.29	17.75
	6H	10.75	11.34	11.83	12.41	13.88	14.85	15.45	15.94	16.52	17.99
	8H	10.74	11.31	11.83	12.40	13.86	14.92	15.49	16.01	16.58	18.04
	12H	10.71	11.25	11.80	12.33	13.82	14.96	15.50	16.05	16.58	18.07
4H	2H	10.99	11.64	12.08	12.71	14.17	13.20	13.85	14.28	14.91	16.37
	3H	12.01	12.55	13.10	13.65	15.12	14.69	15.23	15.78	16.33	17.80
	4H	12.28	12.78	13.38	13.87	15.36	15.21	15.71	16.31	16.80	18.29
	6H	12.40	12.83	13.51	13.94	15.42	15.57	16.00	16.67	17.11	18.59
	8H	12.41	12.80	13.51	13.90	15.41	15.68	16.07	16.78	17.17	18.67
	12H	12.37	12.73	13.49	13.84	15.35	15.73	16.09	16.85	17.20	18.71
8H	4H	12.73	13.13	13.83	14.23	15.73	15.33	15.73	16.43	16.83	18.33
	6H	12.99	13.31	14.11	14.46	15.95	15.76	16.09	16.89	17.23	18.73
	8H	13.03	13.31	14.16	14.44	15.96	15.91	16.20	17.04	17.32	18.84
	12H	13.01	13.26	14.14	14.38	15.93	16.01	16.26	17.14	17.38	18.93
12H	4H	12.73	13.09	13.85	14.20	15.71	15.29	15.65	16.41	16.76	18.27
	6H	13.05	13.33	14.18	14.46	15.97	15.76	16.05	16.89	17.17	18.69
	8H	13.11	13.36	14.24	14.48	16.04	15.91	16.17	17.05	17.29	18.84