

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: P933887

Luminaire Tested: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-6-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P933887
REPORT IS A COMBINATION OF REPORTS P933675 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-6-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

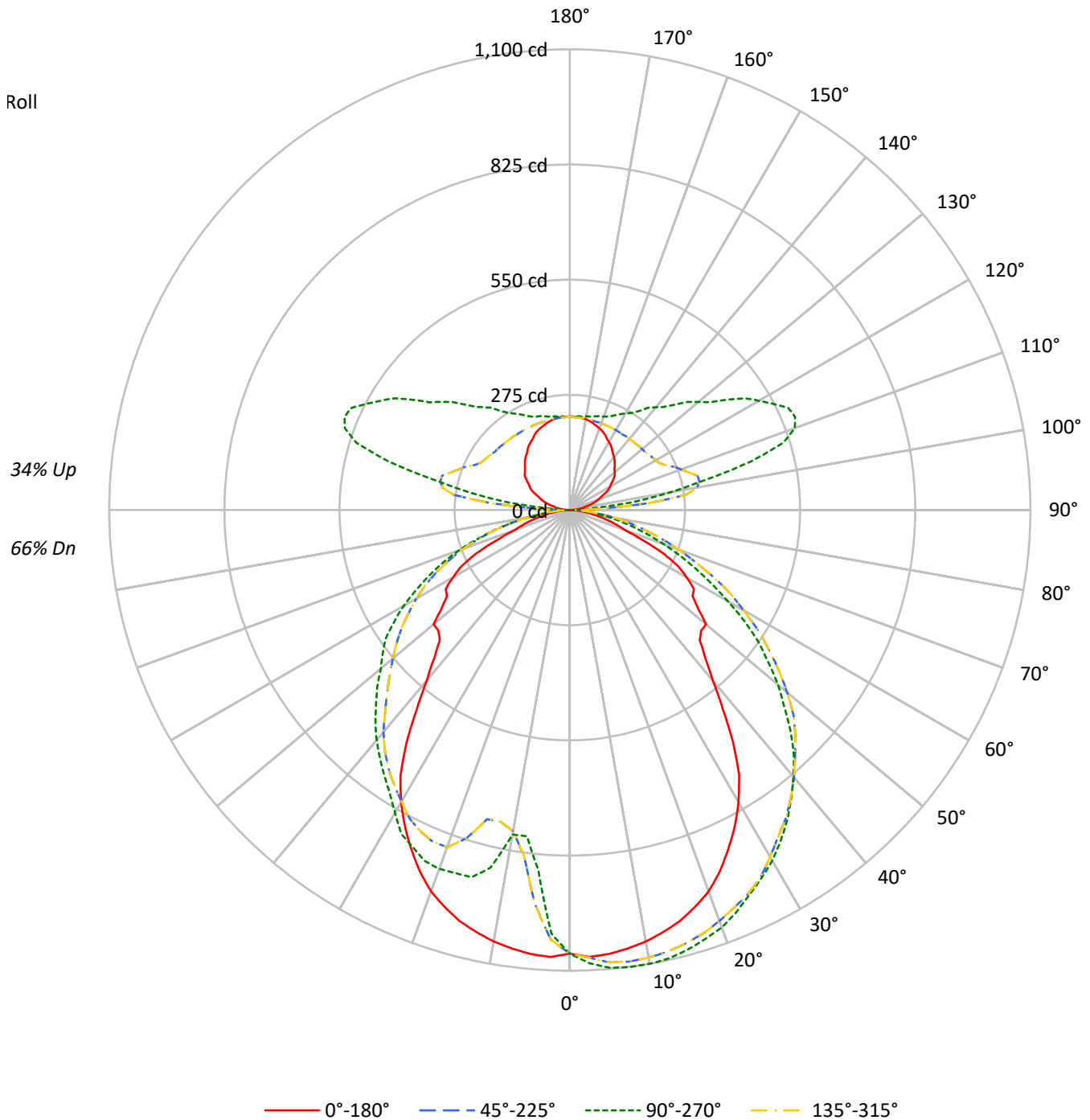
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4192.1 lumens
Efficiency: N/A
Efficacy: 127.0 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): 33
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: P933887
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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	111	111	111	111	104	104	104	104	92	92	92	81	81	81	70	70	70	66			
1	101	97	93	89	95	91	88	85	81	78	76	71	69	68	62	61	60	55			
2	92	85	78	73	87	80	74	70	71	67	63	63	59	56	55	52	50	46			
3	84	75	67	61	79	70	64	58	63	57	53	55	51	48	49	46	43	39			
4	77	66	58	52	72	62	55	49	56	50	45	49	45	41	43	40	37	34			
5	71	59	50	44	66	56	48	43	50	44	39	44	39	35	39	35	32	29			
6	65	53	45	39	61	50	43	37	45	39	34	40	35	31	35	31	28	26			
7	60	48	40	34	57	45	38	33	41	35	30	36	31	28	32	28	25	23			
8	56	43	35	30	53	41	34	29	37	31	27	33	28	25	30	26	22	20			
9	52	40	32	27	49	38	31	26	34	28	24	31	26	22	27	23	20	18			
10	49	36	29	24	46	35	28	23	31	26	22	28	23	20	25	21	18	16			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6551	6551	6551	6551
5°	6598	6613	6598	5200
10°	6551	6515	6551	4657
15°	6478	6373	6478	5322
20°	6340	6206	6340	5333
25°	6060	5962	6060	5220
30°	5700	5760	5700	4972
35°	5079	5504	5079	4699
40°	4230	5203	4230	4493
45°	3776	4849	3776	4256
50°	4009	4429	4009	4018
55°	3768	3975	3768	3881
60°	3879	3376	3879	3555
65°	3512	2791	3512	3119
70°	2425	2223	2425	2615
75°	2120	1644	2120	1968
80°	1696	1086	1696	1184
85°	954	575	954	490

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5792 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.6	2.3
10°-20°	271.4	6.5
20°-30°	419.6	10.0
30°-40°	500.9	11.9
40°-50°	503.8	12.0
50°-60°	438.4	10.5
60°-70°	310.8	7.4
70°-80°	164.4	3.9
80°-90°	41.8	1.0
90°-100°	108.7	2.6
100°-110°	285.7	6.8
110°-120°	296.3	7.1
120°-130°	237.7	5.7
130°-140°	186.5	4.4
140°-150°	143.1	3.4
150°-160°	103.1	2.5
160°-170°	63.1	1.5
170°-180°	21.3	0.5
0°-30°	786.6	18.8
0°-40°	1287.5	30.7
0°-60°	2229.7	53.2
0°-90°	2746.8	65.5
90°-120°	690.7	16.5
90°-150°	1257.9	30.0
90°-180°	1445.0	34.5
0°-180°	4192.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1059	1059	1059	1059	1059	
5°	1064	1097	1064	863	1064	101
15°	1016	1087	1016	908	1016	286
25°	895	1014	895	888	895	411
35°	680	905	680	772	680	421
45°	439	745	439	654	439	352
55°	358	550	358	537	358	329
65°	248	332	248	371	248	237
75°	94	157	94	188	94	99
85°	16	40	16	34	16	22
90°	2	6	2	6	2	2
95°	14	66	14	66	14	16
105°	52	447	52	447	52	55
115°	91	576	91	576	91	90
125°	127	459	127	459	127	113
135°	152	356	152	356	152	117
145°	176	289	176	289	176	110
155°	199	249	199	249	199	91
165°	214	232	214	232	214	61
175°	223	224	223	224	223	21
180°	223	223	223	223	223	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0
2.5°	1068.1	1068.1	1074.1	1076.1	1076.1	1073.1	1070.1	1073.1	1082.2	1085.1	1084.1
5°	1064.0	1072.1	1083.2	1085.1	1087.1	1086.1	1084.1	1086.1	1096.1	1098.2	1099.2
7.5°	1056.1	1071.1	1085.1	1088.1	1091.1	1088.1	1087.1	1089.1	1099.2	1101.2	1101.2
10°	1046.0	1067.1	1083.2	1085.1	1088.1	1085.1	1085.1	1089.1	1099.2	1101.2	1102.2
12.5°	1032.1	1061.0	1076.1	1078.1	1082.2	1081.2	1080.1	1084.1	1094.1	1096.1	1096.1
15°	1016.0	1050.1	1064.0	1066.1	1073.1	1071.1	1071.1	1075.1	1086.1	1089.1	1088.1
17.5°	993.9	1036.0	1052.1	1055.1	1060.0	1059.0	1060.0	1064.0	1074.1	1076.1	1077.1
20°	968.9	1017.0	1036.0	1039.0	1044.0	1044.0	1044.0	1049.1	1059.0	1063.0	1063.0
22.5°	934.8	996.9	1017.0	1019.0	1025.0	1025.0	1027.0	1034.0	1043.0	1044.0	1044.0
25°	894.7	974.9	991.9	998.0	1004.0	1007.0	1009.9	1014.0	1017.0	1016.0	1017.0
27.5°	852.7	946.8	968.9	972.9	981.0	983.9	987.9	988.9	989.9	992.9	990.9
30°	805.6	907.8	940.8	944.8	957.9	959.8	955.9	957.9	962.8	964.9	966.9
32.5°	752.5	849.7	911.7	920.8	932.9	926.8	925.8	928.8	936.8	936.8	938.8
35°	680.4	804.6	884.7	892.7	901.8	894.7	898.8	899.8	904.8	907.8	906.8
37.5°	601.2	765.5	856.7	862.6	869.7	860.6	866.7	869.7	873.7	871.7	871.7
40°	531.1	704.4	823.6	827.6	833.7	826.6	832.7	834.6	836.6	834.6	833.7
42.5°	479.0	637.2	788.5	793.5	789.5	794.5	796.6	800.6	797.6	793.5	793.5
45°	438.8	619.2	750.5	756.5	750.5	758.5	761.4	761.4	752.5	750.5	749.5
47.5°	425.8	583.2	712.4	712.4	709.4	719.4	724.4	717.4	708.4	705.4	705.4
50°	424.8	543.0	660.2	656.3	670.3	682.4	677.3	670.3	663.3	652.3	652.3
52.5°	385.8	493.9	593.1	608.2	630.3	637.2	629.3	622.2	610.1	605.2	601.2
55°	357.7	442.8	532.1	562.1	585.2	594.1	579.2	572.1	554.1	551.1	549.1
57.5°	351.7	368.7	475.9	514.0	542.0	541.0	532.1	519.0	504.0	501.0	500.0
60°	322.6	266.5	415.8	460.9	489.9	486.9	479.0	466.9	452.9	450.9	448.9
62.5°	292.5	193.4	347.7	398.8	439.8	438.8	431.9	413.8	403.8	398.8	394.8
65°	248.5	162.3	247.5	331.7	390.7	392.7	377.8	364.7	353.7	347.7	346.7
67.5°	189.3	132.3	167.3	276.6	343.7	341.6	322.6	316.6	302.6	299.6	293.6
70°	140.2	88.1	116.2	224.4	297.6	292.5	277.6	270.5	257.5	250.5	246.5
72.5°	116.2	71.1	85.2	174.3	250.5	244.5	231.5	223.4	212.4	206.4	202.4
75°	94.2	75.1	65.1	129.3	203.4	199.4	187.3	179.4	170.3	162.3	163.3
77.5°	69.1	70.1	52.1	95.2	161.4	155.3	148.3	138.2	134.3	126.3	126.3
80°	52.1	55.1	39.0	65.1	116.2	116.2	110.3	103.2	96.2	92.2	92.2
82.5°	35.1	35.1	29.1	41.0	79.2	76.2	72.1	70.1	66.1	64.1	64.1
85°	16.0	20.0	18.0	25.0	43.1	45.1	45.1	43.1	42.1	40.0	41.0
87.5°	5.0	9.1	11.1	14.0	22.0	23.0	24.0	24.0	24.0	25.0	25.0
90°	1.5	2.7	3.9	4.2	6.6	9.8	11.4	10.1	7.6	5.7	5.7
92.5°	6.0	16.1	26.3	28.9	40.6	56.3	64.0	56.1	40.2	28.4	27.3
95°	14.3	33.0	51.6	56.3	99.9	158.1	187.1	167.0	126.7	96.5	93.1
97.5°	24.8	41.2	57.7	61.8	134.6	231.6	280.1	267.3	241.9	222.8	216.3
100°	33.0	47.8	62.7	66.4	147.2	254.9	308.7	309.6	311.4	312.8	305.1
102.5°	39.8	53.8	67.6	71.1	153.0	262.1	316.7	333.0	365.4	389.8	383.2
105°	51.5	63.2	75.0	78.0	157.3	262.9	315.8	352.2	425.0	479.6	476.0
107.5°	63.4	74.4	85.4	88.1	158.1	251.3	297.9	348.7	450.2	526.3	527.2
110°	71.5	81.5	91.3	93.8	156.9	240.9	283.0	339.7	453.2	538.2	541.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	79.5	88.9	98.3	100.7	156.9	231.9	269.3	327.4	443.5	530.6	536.2
115°	91.4	100.2	108.9	111.1	158.4	221.4	253.0	309.0	420.8	504.7	512.6
117.5°	103.3	111.2	119.0	121.0	161.3	214.9	241.8	292.3	393.2	468.9	477.7
120°	110.2	117.6	125.0	126.9	163.7	212.8	237.3	283.5	375.7	444.9	453.5
122.5°	116.8	124.4	131.9	133.8	167.1	211.6	233.9	275.4	358.5	420.8	429.3
125°	127.2	134.1	140.9	142.6	171.8	210.8	230.2	265.4	336.1	388.9	396.7
127.5°	135.6	142.4	149.4	151.1	176.4	210.2	227.0	257.3	317.9	363.3	369.9
130°	140.0	147.5	154.9	156.8	179.8	210.5	225.8	252.8	306.7	347.1	353.2
132.5°	144.7	152.2	159.6	161.5	182.6	210.8	224.8	248.9	297.2	333.4	338.7
135°	151.6	158.4	165.1	166.8	185.6	210.6	223.0	243.2	283.7	313.9	318.6
137.5°	158.7	165.3	172.0	173.7	190.0	211.8	222.7	239.8	274.0	299.6	303.4
140°	164.4	170.6	176.8	178.4	192.8	212.0	221.6	236.4	265.9	288.0	291.6
142.5°	168.9	174.6	180.4	181.8	195.0	212.7	221.6	234.6	260.6	280.0	283.1
145°	175.8	180.8	185.8	187.0	198.1	212.7	220.1	230.7	251.9	267.8	270.1
147.5°	182.7	187.5	192.4	193.6	202.5	214.2	220.1	228.5	245.1	257.7	259.6
150°	187.1	191.5	196.0	197.1	204.8	215.0	220.1	227.2	241.2	251.8	253.4
152.5°	191.8	195.1	198.5	199.3	206.3	215.5	220.1	226.1	238.1	247.2	248.4
155°	198.7	201.2	203.7	204.3	209.6	216.6	220.1	224.9	234.5	241.6	242.4
157.5°	203.8	206.2	208.6	209.2	212.8	217.7	220.1	223.8	231.3	236.8	237.4
160°	207.3	209.2	211.0	211.5	214.3	218.2	220.1	223.3	229.7	234.5	234.8
162.5°	210.7	212.0	213.4	213.8	215.9	218.7	220.1	222.8	228.2	232.3	232.6
165°	214.4	215.6	216.9	217.2	218.2	219.5	220.1	222.0	225.9	228.8	229.1
167.5°	217.8	218.4	219.0	219.2	220.0	221.1	221.6	222.9	225.4	227.3	227.4
170°	220.1	220.7	221.3	221.4	221.5	221.6	221.6	222.9	225.4	227.3	227.3
172.5°	221.3	221.4	221.6	221.6	221.6	221.6	221.6	222.6	224.6	226.1	226.0
175°	223.0	223.0	223.0	223.0	222.5	221.9	221.6	222.2	223.5	224.5	224.5
177.5°	223.0	223.0	223.0	223.0	222.6	222.1	221.9	222.4	223.4	224.2	224.1
180°	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0
2.5°	1086.1	1083.2	1086.1	1084.1	1085.1	1082.2	1073.1	1070.1	1073.1	1076.1	1076.1
5°	1099.2	1097.1	1099.2	1099.2	1098.2	1096.1	1086.1	1084.1	1086.1	1087.1	1085.1
7.5°	1103.2	1100.2	1103.2	1101.2	1101.2	1099.2	1089.1	1087.1	1088.1	1091.1	1088.1
10°	1103.2	1100.2	1103.2	1102.2	1101.2	1099.2	1089.1	1085.1	1085.1	1088.1	1085.1
12.5°	1098.2	1096.1	1098.2	1096.1	1096.1	1094.1	1084.1	1080.1	1081.2	1082.2	1078.1
15°	1090.1	1087.1	1090.1	1088.1	1089.1	1086.1	1075.1	1071.1	1071.1	1073.1	1066.1
17.5°	1078.1	1074.1	1078.1	1077.1	1076.1	1074.1	1064.0	1060.0	1059.0	1060.0	1055.1
20°	1064.0	1061.0	1064.0	1063.0	1063.0	1059.0	1049.1	1044.0	1044.0	1044.0	1039.0
22.5°	1042.0	1039.0	1042.0	1044.0	1044.0	1043.0	1034.0	1027.0	1025.0	1025.0	1019.0
25°	1017.0	1014.0	1017.0	1017.0	1016.0	1017.0	1014.0	1009.9	1007.0	1004.0	998.0
27.5°	992.9	990.9	992.9	990.9	992.9	989.9	988.9	987.9	983.9	981.0	972.9
30°	968.9	966.9	968.9	966.9	964.9	962.8	957.9	955.9	959.8	957.9	944.8
32.5°	938.8	936.8	938.8	938.8	936.8	936.8	928.8	925.8	926.8	932.9	920.8
35°	907.8	904.8	907.8	906.8	907.8	904.8	899.8	898.8	894.7	901.8	892.7
37.5°	871.7	868.7	871.7	871.7	871.7	873.7	869.7	866.7	860.6	869.7	862.6
40°	834.6	830.7	834.6	833.7	834.6	836.6	834.6	832.7	826.6	833.7	827.6
42.5°	792.5	791.5	792.5	793.5	793.5	797.6	800.6	796.6	794.5	789.5	793.5
45°	747.5	745.4	747.5	749.5	750.5	752.5	761.4	761.4	758.5	750.5	756.5
47.5°	699.4	694.3	699.4	705.4	705.4	708.4	717.4	724.4	719.4	709.4	712.4
50°	648.3	649.3	648.3	652.3	652.3	663.3	670.3	677.3	682.4	670.3	656.3
52.5°	598.2	597.2	598.2	601.2	605.2	610.1	622.2	629.3	637.2	630.3	608.2
55°	548.1	550.1	548.1	549.1	551.1	554.1	572.1	579.2	594.1	585.2	562.1
57.5°	498.0	495.0	498.0	500.0	501.0	504.0	519.0	532.1	541.0	542.0	514.0
60°	439.8	435.8	439.8	448.9	450.9	452.9	466.9	479.0	486.9	489.9	460.9
62.5°	388.7	381.8	388.7	394.8	398.8	403.8	413.8	431.9	438.8	439.8	398.8
65°	334.7	331.7	334.7	346.7	347.7	353.7	364.7	377.8	392.7	390.7	331.7
67.5°	285.6	285.6	285.6	293.6	299.6	302.6	316.6	322.6	341.6	343.7	276.6
70°	240.4	239.4	240.4	246.5	250.5	257.5	270.5	277.6	292.5	297.6	224.4
72.5°	197.4	196.4	197.4	202.4	206.4	212.4	223.4	231.5	244.5	250.5	174.3
75°	159.4	157.3	159.4	163.3	162.3	170.3	179.4	187.3	199.4	203.4	129.3
77.5°	122.2	122.2	122.2	126.3	126.3	134.3	138.2	148.3	155.3	161.4	95.2
80°	91.1	90.1	91.1	92.2	92.2	96.2	103.2	110.3	116.2	116.2	65.1
82.5°	64.1	62.2	64.1	64.1	64.1	66.1	70.1	72.1	76.2	79.2	41.0
85°	40.0	40.0	40.0	41.0	40.0	42.1	43.1	45.1	45.1	43.1	25.0
87.5°	26.1	25.0	26.1	25.0	25.0	24.0	24.0	24.0	23.0	22.0	14.0
90°	5.7	5.7	5.7	5.7	5.7	7.6	10.1	11.4	9.8	6.6	4.2
92.5°	22.7	18.2	22.7	27.3	28.4	40.2	56.1	64.0	56.3	40.6	28.9
95°	79.4	65.7	79.4	93.1	96.5	126.7	167.0	187.1	158.1	99.9	56.3
97.5°	190.2	164.1	190.2	216.3	222.8	241.9	267.3	280.1	231.6	134.6	61.8
100°	274.1	243.0	274.1	305.1	312.8	311.4	309.6	308.7	254.9	147.2	66.4
102.5°	356.6	330.0	356.6	383.2	389.8	365.4	333.0	316.7	262.1	153.0	71.1
105°	461.7	447.4	461.7	476.0	479.6	425.0	352.2	315.8	262.9	157.3	78.0
107.5°	530.6	534.1	530.6	527.2	526.3	450.2	348.7	297.9	251.3	158.1	88.1
110°	556.9	571.8	556.9	541.9	538.2	453.2	339.7	283.0	240.9	156.9	93.8



TEST NUMBER: P933887

CATALOG NUMBER: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	559.2	582.1	559.2	536.2	530.6	443.5	327.4	269.3	231.9	156.9	100.7
115°	544.3	576.1	544.3	512.6	504.7	420.8	309.0	253.0	221.4	158.4	111.1
117.5°	512.9	548.1	512.9	477.7	468.9	393.2	292.3	241.8	214.9	161.3	121.0
120°	487.6	521.8	487.6	453.5	444.9	375.7	283.5	237.3	212.8	163.7	126.9
122.5°	462.9	496.6	462.9	429.3	420.8	358.5	275.4	233.9	211.6	167.1	133.8
125°	427.7	458.8	427.7	396.7	388.9	336.1	265.4	230.2	210.8	171.8	142.6
127.5°	396.1	422.3	396.1	369.9	363.3	317.9	257.3	227.0	210.2	176.4	151.1
130°	377.4	401.6	377.4	353.2	347.1	306.7	252.8	225.8	210.5	179.8	156.8
132.5°	360.5	382.2	360.5	338.7	333.4	297.2	248.9	224.8	210.8	182.6	161.5
135°	337.2	356.0	337.2	318.6	313.9	283.7	243.2	223.0	210.6	185.6	166.8
137.5°	318.7	334.0	318.7	303.4	299.6	274.0	239.8	222.7	211.8	190.0	173.7
140°	305.9	320.2	305.9	291.6	288.0	265.9	236.4	221.6	212.0	192.8	178.4
142.5°	295.3	307.7	295.3	283.1	280.0	260.6	234.6	221.6	212.7	195.0	181.8
145°	279.5	288.8	279.5	270.1	267.8	251.9	230.7	220.1	212.7	198.1	187.0
147.5°	267.3	275.0	267.3	259.6	257.7	245.1	228.5	220.1	214.2	202.5	193.6
150°	259.7	265.9	259.7	253.4	251.8	241.2	227.2	220.1	215.0	204.8	197.1
152.5°	253.1	257.9	253.1	248.4	247.2	238.1	226.1	220.1	215.5	206.3	199.3
155°	245.5	248.7	245.5	242.4	241.6	234.5	224.9	220.1	216.6	209.6	204.3
157.5°	239.6	241.8	239.6	237.4	236.8	231.3	223.8	220.1	217.7	212.8	209.2
160°	236.1	237.3	236.1	234.8	234.5	229.7	223.3	220.1	218.2	214.3	211.5
162.5°	233.8	235.0	233.8	232.6	232.3	228.2	222.8	220.1	218.7	215.9	213.8
165°	230.4	231.7	230.4	229.1	228.8	225.9	222.0	220.1	219.5	218.2	217.2
167.5°	228.0	228.5	228.0	227.4	227.3	225.4	222.9	221.6	221.1	220.0	219.2
170°	227.3	227.3	227.3	227.3	227.3	225.4	222.9	221.6	221.6	221.5	221.4
172.5°	225.5	225.1	225.5	226.0	226.1	224.6	222.6	221.6	221.6	221.6	221.6
175°	224.5	224.5	224.5	224.5	224.5	223.5	222.2	221.6	221.9	222.5	223.0
177.5°	223.5	223.0	223.5	224.1	224.2	223.4	222.4	221.9	222.1	222.6	223.0
180°	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0



TEST NUMBER: P933887

CATALOG NUMBER: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0
2.5°	1074.1	1068.1	1068.1	1058.1	1054.1	1051.1	1046.0	1031.1	1027.0	1023.0	1029.0
5°	1083.2	1072.1	1064.0	1046.0	1031.1	1025.0	1006.0	969.9	945.8	927.8	917.8
7.5°	1085.1	1071.1	1056.1	1028.0	991.9	975.9	917.8	851.7	833.7	817.6	807.6
10°	1083.2	1067.1	1046.0	1004.0	918.8	890.7	832.7	789.5	778.5	775.5	778.5
12.5°	1076.1	1061.0	1032.1	961.8	842.6	823.6	789.5	764.5	762.4	767.5	794.5
15°	1064.0	1050.1	1016.0	905.8	800.6	786.5	762.4	753.5	764.5	799.6	880.8
17.5°	1052.1	1036.0	993.9	850.7	768.5	758.5	741.4	759.4	821.6	868.7	895.7
20°	1036.0	1017.0	968.9	810.5	745.4	736.4	728.4	809.5	856.7	873.7	888.7
22.5°	1017.0	996.9	934.8	782.6	721.4	714.4	719.4	837.6	856.7	868.7	881.8
25°	991.9	974.9	894.7	760.4	702.4	694.3	713.4	834.6	845.6	848.7	874.7
27.5°	968.9	946.8	852.7	740.4	679.4	676.3	718.4	821.6	829.7	832.7	860.6
30°	940.8	907.8	805.6	719.4	655.3	654.3	719.4	805.6	803.6	811.5	839.6
32.5°	911.7	849.7	752.5	693.3	632.3	631.3	712.4	781.6	779.6	790.5	811.5
35°	884.7	804.6	680.4	663.3	603.2	604.2	695.3	753.5	754.5	764.5	777.5
37.5°	856.7	765.5	601.2	630.3	575.1	575.1	672.3	727.4	725.4	728.4	746.5
40°	823.6	704.4	531.1	587.1	549.1	546.1	644.2	699.4	692.3	691.3	716.4
42.5°	788.5	637.2	479.0	530.1	519.0	515.0	610.1	665.3	652.3	655.3	687.3
45°	750.5	619.2	438.8	447.9	487.9	485.0	573.1	626.2	617.2	625.2	658.3
47.5°	712.4	583.2	425.8	371.7	454.9	453.9	532.1	588.1	583.2	591.1	626.2
50°	660.2	543.0	424.8	318.6	417.8	421.8	483.0	551.1	551.1	558.1	595.2
52.5°	593.1	493.9	385.8	288.5	374.7	386.7	439.8	519.0	521.0	528.1	561.0
55°	532.1	442.8	357.7	265.5	323.6	349.7	397.8	485.9	489.9	497.0	527.0
57.5°	475.9	368.7	351.7	238.4	276.6	301.6	360.8	453.9	455.9	461.9	490.9
60°	415.8	266.5	322.6	209.4	235.5	254.5	326.6	415.8	422.8	426.8	451.9
62.5°	347.7	193.4	292.5	189.3	215.4	219.4	298.6	379.8	388.7	391.7	406.8
65°	247.5	162.3	248.5	172.3	194.4	195.4	268.5	342.6	350.7	355.7	366.7
67.5°	167.3	132.3	189.3	156.3	178.4	179.4	239.4	299.6	310.7	314.6	321.6
70°	116.2	88.1	140.2	139.2	160.4	162.3	208.4	260.6	270.5	273.5	277.6
72.5°	85.2	71.1	116.2	125.2	141.2	143.3	176.4	216.4	226.5	229.5	231.5
75°	65.1	75.1	94.2	109.3	120.2	121.2	144.3	176.4	183.4	185.4	186.4
77.5°	52.1	70.1	69.1	88.1	98.2	96.2	113.2	136.3	142.2	142.2	142.2
80°	39.0	55.1	52.1	63.1	72.1	70.1	81.2	97.2	99.2	101.2	100.2
82.5°	29.1	35.1	35.1	40.0	48.1	46.1	54.1	63.1	63.1	63.1	65.1
85°	18.0	20.0	16.0	21.0	27.1	26.1	30.1	34.1	35.1	35.1	33.1
87.5°	11.1	9.1	5.0	8.0	12.1	12.1	14.0	15.0	14.0	14.0	14.0
90°	3.9	2.7	1.5	2.7	3.9	4.2	6.6	9.8	11.4	10.1	7.6
92.5°	26.3	16.1	6.0	16.1	26.3	28.9	40.6	56.3	64.0	56.1	40.2
95°	51.6	33.0	14.3	33.0	51.6	56.3	99.9	158.1	187.1	167.0	126.7
97.5°	57.7	41.2	24.8	41.2	57.7	61.8	134.6	231.6	280.1	267.3	241.9
100°	62.7	47.8	33.0	47.8	62.7	66.4	147.2	254.9	308.7	309.6	311.4
102.5°	67.6	53.8	39.8	53.8	67.6	71.1	153.0	262.1	316.7	333.0	365.4
105°	75.0	63.2	51.5	63.2	75.0	78.0	157.3	262.9	315.8	352.2	425.0
107.5°	85.4	74.4	63.4	74.4	85.4	88.1	158.1	251.3	297.9	348.7	450.2
110°	91.3	81.5	71.5	81.5	91.3	93.8	156.9	240.9	283.0	339.7	453.2



TEST NUMBER: P933887

CATALOG NUMBER: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	98.3	88.9	79.5	88.9	98.3	100.7	156.9	231.9	269.3	327.4	443.5
115°	108.9	100.2	91.4	100.2	108.9	111.1	158.4	221.4	253.0	309.0	420.8
117.5°	119.0	111.2	103.3	111.2	119.0	121.0	161.3	214.9	241.8	292.3	393.2
120°	125.0	117.6	110.2	117.6	125.0	126.9	163.7	212.8	237.3	283.5	375.7
122.5°	131.9	124.4	116.8	124.4	131.9	133.8	167.1	211.6	233.9	275.4	358.5
125°	140.9	134.1	127.2	134.1	140.9	142.6	171.8	210.8	230.2	265.4	336.1
127.5°	149.4	142.4	135.6	142.4	149.4	151.1	176.4	210.2	227.0	257.3	317.9
130°	154.9	147.5	140.0	147.5	154.9	156.8	179.8	210.5	225.8	252.8	306.7
132.5°	159.6	152.2	144.7	152.2	159.6	161.5	182.6	210.8	224.8	248.9	297.2
135°	165.1	158.4	151.6	158.4	165.1	166.8	185.6	210.6	223.0	243.2	283.7
137.5°	172.0	165.3	158.7	165.3	172.0	173.7	190.0	211.8	222.7	239.8	274.0
140°	176.8	170.6	164.4	170.6	176.8	178.4	192.8	212.0	221.6	236.4	265.9
142.5°	180.4	174.6	168.9	174.6	180.4	181.8	195.0	212.7	221.6	234.6	260.6
145°	185.8	180.8	175.8	180.8	185.8	187.0	198.1	212.7	220.1	230.7	251.9
147.5°	192.4	187.5	182.7	187.5	192.4	193.6	202.5	214.2	220.1	228.5	245.1
150°	196.0	191.5	187.1	191.5	196.0	197.1	204.8	215.0	220.1	227.2	241.2
152.5°	198.5	195.1	191.8	195.1	198.5	199.3	206.3	215.5	220.1	226.1	238.1
155°	203.7	201.2	198.7	201.2	203.7	204.3	209.6	216.6	220.1	224.9	234.5
157.5°	208.6	206.2	203.8	206.2	208.6	209.2	212.8	217.7	220.1	223.8	231.3
160°	211.0	209.2	207.3	209.2	211.0	211.5	214.3	218.2	220.1	223.3	229.7
162.5°	213.4	212.0	210.7	212.0	213.4	213.8	215.9	218.7	220.1	222.8	228.2
165°	216.9	215.6	214.4	215.6	216.9	217.2	218.2	219.5	220.1	222.0	225.9
167.5°	219.0	218.4	217.8	218.4	219.0	219.2	220.0	221.1	221.6	222.9	225.4
170°	221.3	220.7	220.1	220.7	221.3	221.4	221.5	221.6	221.6	222.9	225.4
172.5°	221.6	221.4	221.3	221.4	221.6	221.6	221.6	221.6	221.6	222.6	224.6
175°	223.0	223.0	223.0	223.0	223.0	223.0	222.5	221.9	221.6	222.2	223.5
177.5°	223.0	223.0	223.0	223.0	223.0	223.0	222.6	222.1	221.9	222.4	223.4
180°	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0



TEST NUMBER: P933887

CATALOG NUMBER: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0	1059.0
2.5°	1022.0	1019.0	1023.0	1011.9	1023.0	1019.0	1022.0	1029.0	1023.0	1027.0	1031.1
5°	896.8	891.7	875.7	862.6	875.7	891.7	896.8	917.8	927.8	945.8	969.9
7.5°	801.6	797.6	793.5	785.5	793.5	797.6	801.6	807.6	817.6	833.7	851.7
10°	780.6	781.6	787.5	786.5	787.5	781.6	780.6	778.5	775.5	778.5	789.5
12.5°	834.6	843.6	876.7	874.7	876.7	843.6	834.6	794.5	767.5	762.4	764.5
15°	896.8	899.8	906.8	907.8	906.8	899.8	896.8	880.8	799.6	764.5	753.5
17.5°	902.8	903.8	908.8	908.8	908.8	903.8	902.8	895.7	868.7	821.6	759.4
20°	897.8	899.8	909.7	911.7	909.7	899.8	897.8	888.7	873.7	856.7	809.5
22.5°	895.7	899.8	907.8	906.8	907.8	899.8	895.7	881.8	868.7	856.7	837.6
25°	885.7	885.7	886.7	887.7	886.7	885.7	885.7	874.7	848.7	845.6	834.6
27.5°	864.7	866.7	872.7	871.7	872.7	866.7	864.7	860.6	832.7	829.7	821.6
30°	845.6	843.6	838.6	834.6	838.6	843.6	845.6	839.6	811.5	803.6	805.6
32.5°	813.6	808.6	803.6	800.6	803.6	808.6	813.6	811.5	790.5	779.6	781.6
35°	775.5	776.5	775.5	772.5	775.5	776.5	775.5	777.5	764.5	754.5	753.5
37.5°	748.5	750.5	749.5	745.4	749.5	750.5	748.5	746.5	728.4	725.4	727.4
40°	720.4	721.4	720.4	717.4	720.4	721.4	720.4	716.4	691.3	692.3	699.4
42.5°	693.3	692.3	689.3	687.3	689.3	692.3	693.3	687.3	655.3	652.3	665.3
45°	662.3	663.3	657.3	654.3	657.3	663.3	662.3	658.3	625.2	617.2	626.2
47.5°	631.3	631.3	626.2	623.2	626.2	631.3	631.3	626.2	591.1	583.2	588.1
50°	598.2	597.2	590.1	589.1	590.1	597.2	598.2	595.2	558.1	551.1	551.1
52.5°	560.1	560.1	561.0	563.1	561.0	560.1	560.1	561.0	528.1	521.0	519.0
55°	527.0	528.1	535.1	537.0	535.1	528.1	527.0	527.0	497.0	489.9	485.9
57.5°	492.9	492.9	498.0	498.0	498.0	492.9	492.9	490.9	461.9	455.9	453.9
60°	453.9	455.9	459.9	458.9	459.9	455.9	453.9	451.9	426.8	422.8	415.8
62.5°	412.8	414.8	415.8	413.8	415.8	414.8	412.8	406.8	391.7	388.7	379.8
65°	369.7	371.7	372.7	370.7	372.7	371.7	369.7	366.7	355.7	350.7	342.6
67.5°	325.6	324.6	323.6	327.7	323.6	324.6	325.6	321.6	314.6	310.7	299.6
70°	280.6	280.6	279.6	281.6	279.6	280.6	280.6	277.6	273.5	270.5	260.6
72.5°	232.5	231.5	235.5	232.5	235.5	231.5	232.5	231.5	229.5	226.5	216.4
75°	185.4	187.3	185.4	188.3	185.4	187.3	185.4	186.4	185.4	183.4	176.4
77.5°	141.2	143.3	141.2	141.2	141.2	143.3	141.2	142.2	142.2	142.2	136.3
80°	100.2	99.2	99.2	98.2	99.2	99.2	100.2	100.2	101.2	99.2	97.2
82.5°	64.1	63.1	63.1	65.1	63.1	63.1	64.1	65.1	63.1	63.1	63.1
85°	35.1	36.1	34.1	34.1	34.1	36.1	35.1	33.1	35.1	35.1	34.1
87.5°	13.0	12.1	12.1	12.1	12.1	12.1	13.0	14.0	14.0	14.0	15.0
90°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	7.6	10.1	11.4	9.8
92.5°	28.4	27.3	22.7	18.2	22.7	27.3	28.4	40.2	56.1	64.0	56.3
95°	96.5	93.1	79.4	65.7	79.4	93.1	96.5	126.7	167.0	187.1	158.1
97.5°	222.8	216.3	190.2	164.1	190.2	216.3	222.8	241.9	267.3	280.1	231.6
100°	312.8	305.1	274.1	243.0	274.1	305.1	312.8	311.4	309.6	308.7	254.9
102.5°	389.8	383.2	356.6	330.0	356.6	383.2	389.8	365.4	333.0	316.7	262.1
105°	479.6	476.0	461.7	447.4	461.7	476.0	479.6	425.0	352.2	315.8	262.9
107.5°	526.3	527.2	530.6	534.1	530.6	527.2	526.3	450.2	348.7	297.9	251.3
110°	538.2	541.9	556.9	571.8	556.9	541.9	538.2	453.2	339.7	283.0	240.9



TEST NUMBER: P933887

CATALOG NUMBER: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	530.6	536.2	559.2	582.1	559.2	536.2	530.6	443.5	327.4	269.3	231.9
115°	504.7	512.6	544.3	576.1	544.3	512.6	504.7	420.8	309.0	253.0	221.4
117.5°	468.9	477.7	512.9	548.1	512.9	477.7	468.9	393.2	292.3	241.8	214.9
120°	444.9	453.5	487.6	521.8	487.6	453.5	444.9	375.7	283.5	237.3	212.8
122.5°	420.8	429.3	462.9	496.6	462.9	429.3	420.8	358.5	275.4	233.9	211.6
125°	388.9	396.7	427.7	458.8	427.7	396.7	388.9	336.1	265.4	230.2	210.8
127.5°	363.3	369.9	396.1	422.3	396.1	369.9	363.3	317.9	257.3	227.0	210.2
130°	347.1	353.2	377.4	401.6	377.4	353.2	347.1	306.7	252.8	225.8	210.5
132.5°	333.4	338.7	360.5	382.2	360.5	338.7	333.4	297.2	248.9	224.8	210.8
135°	313.9	318.6	337.2	356.0	337.2	318.6	313.9	283.7	243.2	223.0	210.6
137.5°	299.6	303.4	318.7	334.0	318.7	303.4	299.6	274.0	239.8	222.7	211.8
140°	288.0	291.6	305.9	320.2	305.9	291.6	288.0	265.9	236.4	221.6	212.0
142.5°	280.0	283.1	295.3	307.7	295.3	283.1	280.0	260.6	234.6	221.6	212.7
145°	267.8	270.1	279.5	288.8	279.5	270.1	267.8	251.9	230.7	220.1	212.7
147.5°	257.7	259.6	267.3	275.0	267.3	259.6	257.7	245.1	228.5	220.1	214.2
150°	251.8	253.4	259.7	265.9	259.7	253.4	251.8	241.2	227.2	220.1	215.0
152.5°	247.2	248.4	253.1	257.9	253.1	248.4	247.2	238.1	226.1	220.1	215.5
155°	241.6	242.4	245.5	248.7	245.5	242.4	241.6	234.5	224.9	220.1	216.6
157.5°	236.8	237.4	239.6	241.8	239.6	237.4	236.8	231.3	223.8	220.1	217.7
160°	234.5	234.8	236.1	237.3	236.1	234.8	234.5	229.7	223.3	220.1	218.2
162.5°	232.3	232.6	233.8	235.0	233.8	232.6	232.3	228.2	222.8	220.1	218.7
165°	228.8	229.1	230.4	231.7	230.4	229.1	228.8	225.9	222.0	220.1	219.5
167.5°	227.3	227.4	228.0	228.5	228.0	227.4	227.3	225.4	222.9	221.6	221.1
170°	227.3	227.3	227.3	227.3	227.3	227.3	227.3	225.4	222.9	221.6	221.6
172.5°	226.1	226.0	225.5	225.1	225.5	226.0	226.1	224.6	222.6	221.6	221.6
175°	224.5	224.5	224.5	224.5	224.5	224.5	224.5	223.5	222.2	221.6	221.9
177.5°	224.2	224.1	223.5	223.0	223.5	224.1	224.2	223.4	222.4	221.9	222.1
180°	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0



TEST NUMBER: P933887

CATALOG NUMBER: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1059.0	1059.0	1059.0	1059.0	1059.0
2.5°	1046.0	1051.1	1054.1	1058.1	1068.1
5°	1006.0	1025.0	1031.1	1046.0	1064.0
7.5°	917.8	975.9	991.9	1028.0	1056.1
10°	832.7	890.7	918.8	1004.0	1046.0
12.5°	789.5	823.6	842.6	961.8	1032.1
15°	762.4	786.5	800.6	905.8	1016.0
17.5°	741.4	758.5	768.5	850.7	993.9
20°	728.4	736.4	745.4	810.5	968.9
22.5°	719.4	714.4	721.4	782.6	934.8
25°	713.4	694.3	702.4	760.4	894.7
27.5°	718.4	676.3	679.4	740.4	852.7
30°	719.4	654.3	655.3	719.4	805.6
32.5°	712.4	631.3	632.3	693.3	752.5
35°	695.3	604.2	603.2	663.3	680.4
37.5°	672.3	575.1	575.1	630.3	601.2
40°	644.2	546.1	549.1	587.1	531.1
42.5°	610.1	515.0	519.0	530.1	479.0
45°	573.1	485.0	487.9	447.9	438.8
47.5°	532.1	453.9	454.9	371.7	425.8
50°	483.0	421.8	417.8	318.6	424.8
52.5°	439.8	386.7	374.7	288.5	385.8
55°	397.8	349.7	323.6	265.5	357.7
57.5°	360.8	301.6	276.6	238.4	351.7
60°	326.6	254.5	235.5	209.4	322.6
62.5°	298.6	219.4	215.4	189.3	292.5
65°	268.5	195.4	194.4	172.3	248.5
67.5°	239.4	179.4	178.4	156.3	189.3
70°	208.4	162.3	160.4	139.2	140.2
72.5°	176.4	143.3	141.2	125.2	116.2
75°	144.3	121.2	120.2	109.3	94.2
77.5°	113.2	96.2	98.2	88.1	69.1
80°	81.2	70.1	72.1	63.1	52.1
82.5°	54.1	46.1	48.1	40.0	35.1
85°	30.1	26.1	27.1	21.0	16.0
87.5°	14.0	12.1	12.1	8.0	5.0
90°	6.6	4.2	3.9	2.7	1.5
92.5°	40.6	28.9	26.3	16.1	6.0
95°	99.9	56.3	51.6	33.0	14.3
97.5°	134.6	61.8	57.7	41.2	24.8
100°	147.2	66.4	62.7	47.8	33.0
102.5°	153.0	71.1	67.6	53.8	39.8
105°	157.3	78.0	75.0	63.2	51.5
107.5°	158.1	88.1	85.4	74.4	63.4
110°	156.9	93.8	91.3	81.5	71.5



TEST NUMBER: P933887

CATALOG NUMBER: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	156.9	100.7	98.3	88.9	79.5
115°	158.4	111.1	108.9	100.2	91.4
117.5°	161.3	121.0	119.0	111.2	103.3
120°	163.7	126.9	125.0	117.6	110.2
122.5°	167.1	133.8	131.9	124.4	116.8
125°	171.8	142.6	140.9	134.1	127.2
127.5°	176.4	151.1	149.4	142.4	135.6
130°	179.8	156.8	154.9	147.5	140.0
132.5°	182.6	161.5	159.6	152.2	144.7
135°	185.6	166.8	165.1	158.4	151.6
137.5°	190.0	173.7	172.0	165.3	158.7
140°	192.8	178.4	176.8	170.6	164.4
142.5°	195.0	181.8	180.4	174.6	168.9
145°	198.1	187.0	185.8	180.8	175.8
147.5°	202.5	193.6	192.4	187.5	182.7
150°	204.8	197.1	196.0	191.5	187.1
152.5°	206.3	199.3	198.5	195.1	191.8
155°	209.6	204.3	203.7	201.2	198.7
157.5°	212.8	209.2	208.6	206.2	203.8
160°	214.3	211.5	211.0	209.2	207.3
162.5°	215.9	213.8	213.4	212.0	210.7
165°	218.2	217.2	216.9	215.6	214.4
167.5°	220.0	219.2	219.0	218.4	217.8
170°	221.5	221.4	221.3	220.7	220.1
172.5°	221.6	221.6	221.6	221.4	221.3
175°	222.5	223.0	223.0	223.0	223.0
177.5°	222.6	223.0	223.0	223.0	223.0
180°	223.0	223.0	223.0	223.0	223.0



TEST NUMBER: P933887

CATALOG NUMBER: SQ4-FA-025U-050D-B2750-1D-UNV-STD-W-6-2700K

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	12.65	13.68	13.47	14.51	15.54	15.48	16.50	16.29	17.33	18.36
	3H	13.14	14.06	13.97	14.90	15.96	16.84	17.75	17.66	18.59	19.65
	4H	13.34	14.21	14.18	15.06	16.13	17.29	18.15	18.13	19.00	20.07
	6H	13.47	14.27	14.32	15.13	16.21	17.58	18.37	18.43	19.23	20.32
	8H	13.48	14.23	14.34	15.11	16.20	17.66	18.41	18.52	19.29	20.38
	12H	13.45	14.18	14.32	15.05	16.16	17.70	18.42	18.57	19.29	20.40
4H	2H	13.71	14.57	14.55	15.42	16.49	15.91	16.77	16.75	17.62	18.69
	3H	14.75	15.47	15.60	16.35	17.44	17.43	18.15	18.28	19.03	20.12
	4H	15.03	15.69	15.90	16.57	17.68	17.96	18.62	18.83	19.50	20.61
	6H	15.16	15.73	16.05	16.64	17.75	18.33	18.90	19.22	19.81	20.92
	8H	15.17	15.70	16.06	16.60	17.73	18.44	18.97	19.33	19.87	21.00
	12H	15.15	15.63	16.06	16.54	17.68	18.51	18.98	19.41	19.90	21.04
8H	4H	15.50	16.03	16.38	16.92	18.05	18.10	18.63	18.99	19.53	20.66
	6H	15.76	16.20	16.68	17.14	18.27	18.54	18.98	19.46	19.92	21.05
	8H	15.81	16.20	16.73	17.13	18.28	18.69	19.08	19.62	20.01	21.16
	12H	15.80	16.14	16.73	17.07	18.26	18.80	19.14	19.73	20.06	21.26
12H	4H	15.51	15.99	16.42	16.91	18.04	18.07	18.55	18.98	19.47	20.60
	6H	15.83	16.21	16.75	17.15	18.29	18.54	18.93	19.46	19.86	21.01
	8H	15.90	16.24	16.83	17.17	18.36	18.71	19.05	19.64	19.97	21.17