

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: P934637

Luminaire Tested: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934637
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-6-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

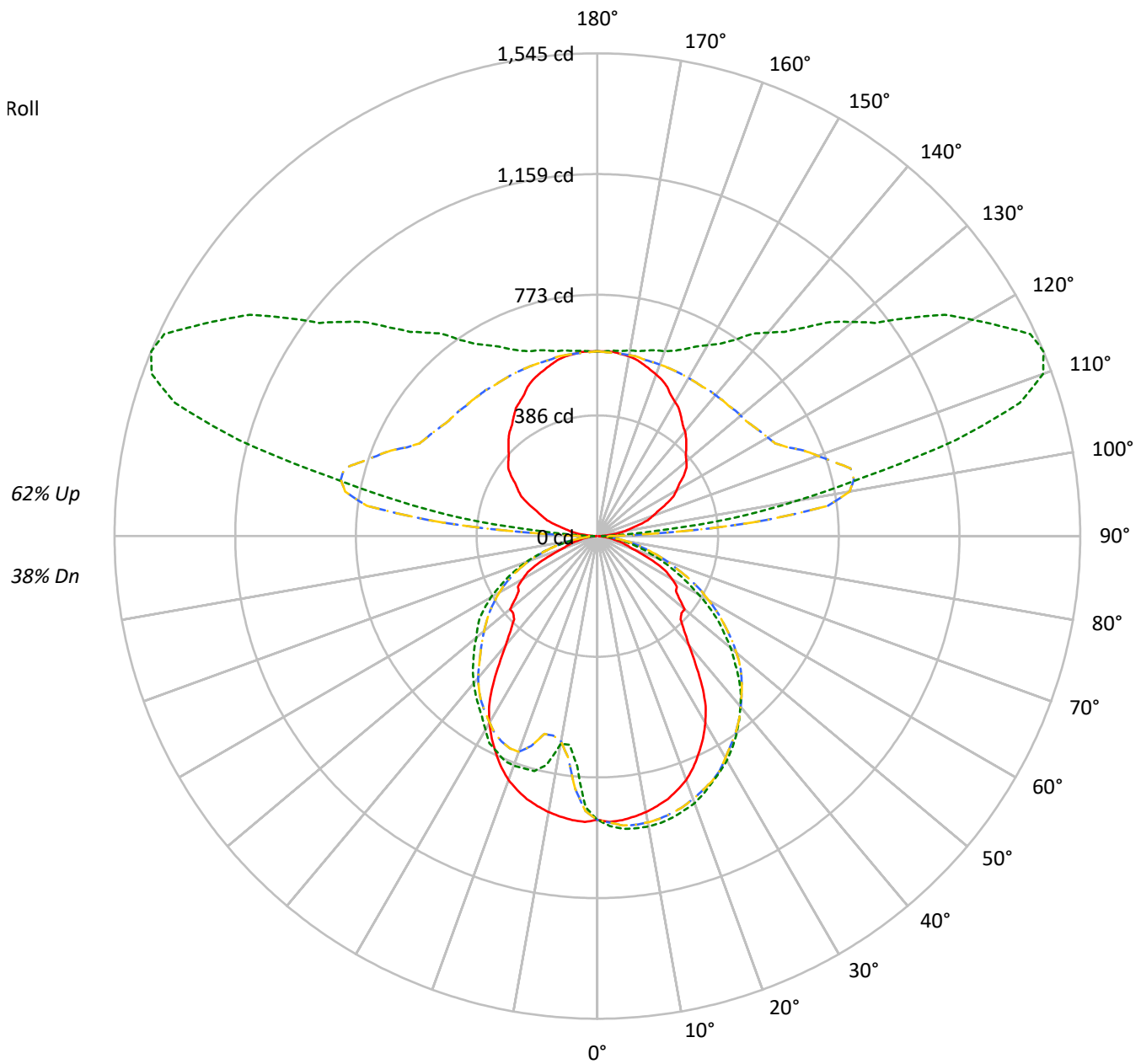
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6193.3 lumens
Efficiency: N/A
Efficacy: 120.0 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-Indirect

Input Watts (W): 51.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - 90°-270° - · - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38			38
1	95	91	87	84	86	83	79	77	67	65	63	53	52	50	40	39	38	32			32
2	87	79	73	68	78	72	67	63	59	55	52	47	44	42	35	34	32	27			27
3	79	70	63	57	71	64	57	52	52	47	44	41	38	35	31	29	27	23			23
4	72	62	54	48	65	56	50	44	46	41	37	37	33	30	28	25	24	20			20
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17			17
6	61	49	41	35	55	45	38	33	37	32	28	30	26	23	23	20	18	15			15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	21	18	16	13			13
8	52	40	32	27	47	37	30	25	30	25	22	24	21	18	19	16	14	12			12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	11			11
10	45	33	26	22	41	31	24	20	26	21	17	21	17	14	16	14	12	10			10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5618	5618	5618	5618
5°	5658	5671	5658	4459
10°	5618	5587	5618	3994
15°	5555	5466	5555	4564
20°	5437	5322	5437	4573
25°	5197	5113	5197	4477
30°	4887	4940	4887	4264
35°	4356	4720	4356	4030
40°	3627	4461	3627	3853
45°	3238	4158	3238	3650
50°	3438	3798	3438	3446
55°	3231	3409	3231	3328
60°	3327	2895	3327	3048
65°	3012	2393	3012	2675
70°	2081	1907	2081	2243
75°	1818	1410	1818	1688
80°	1455	932	1455	1015
85°	823	493	823	419

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 4967 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	1.3
10°-20°	232.8	3.8
20°-30°	359.8	5.8
30°-40°	429.5	6.9
40°-50°	432.1	7.0
50°-60°	375.9	6.1
60°-70°	266.6	4.3
70°-80°	141.0	2.3
80°-90°	37.4	0.6
90°-100°	288.4	4.7
100°-110°	758.4	12.2
110°-120°	786.3	12.7
120°-130°	630.7	10.2
130°-140°	494.9	8.0
140°-150°	379.9	6.1
150°-160°	273.6	4.4
160°-170°	167.4	2.7
170°-180°	56.5	0.9
0°-30°	674.6	10.9
0°-40°	1104.1	17.8
0°-60°	1912.1	30.9
0°-90°	2357.1	38.1
90°-120°	1833.2	29.6
90°-150°	3338.7	53.9
90°-180°	3836.0	61.9
0°-180°	6193.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	908	908	908	908	908	
5°	912	941	912	740	912	87
15°	871	932	871	778	871	245
25°	767	870	767	761	767	352
35°	584	776	584	662	584	361
45°	376	639	376	561	376	301
55°	307	472	307	460	307	282
65°	213	284	213	318	213	204
75°	81	135	81	162	81	85
85°	14	34	14	29	14	19
90°	4	15	4	15	4	4
95°	38	174	38	174	38	42
105°	137	1188	137	1188	137	145
115°	243	1529	243	1529	243	240
125°	338	1218	338	1218	338	300
135°	402	945	402	945	402	311
145°	467	766	467	766	467	292
155°	527	660	527	660	527	242
165°	569	615	569	615	569	161
175°	592	596	592	596	592	56
180°	592	592	592	592	592	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2
2.5°	916.0	916.0	921.1	922.8	922.8	920.2	917.7	920.2	928.0	930.6	929.7
5°	912.5	919.4	928.9	930.6	932.3	931.4	929.7	931.4	940.0	941.8	942.6
7.5°	905.6	918.5	930.6	933.1	935.7	933.1	932.3	934.0	942.6	944.3	944.3
10°	897.0	915.1	928.9	930.6	933.1	930.6	930.6	934.0	942.6	944.3	945.2
12.5°	885.0	909.9	922.8	924.5	928.0	927.2	926.2	929.7	938.3	940.0	940.0
15°	871.3	900.5	912.5	914.3	920.2	918.5	918.5	921.9	931.4	934.0	933.1
17.5°	852.3	888.5	902.2	904.8	909.0	908.2	909.0	912.5	921.1	922.8	923.7
20°	830.9	872.2	888.5	891.0	895.3	895.3	895.3	899.7	908.2	911.6	911.6
22.5°	801.7	854.9	872.2	873.9	879.0	879.0	880.7	886.8	894.4	895.3	895.3
25°	767.3	836.0	850.6	855.8	861.0	863.5	866.1	869.6	872.2	871.3	872.2
27.5°	731.2	811.9	830.9	834.3	841.2	843.8	847.2	848.1	848.9	851.5	849.8
30°	690.8	778.5	806.8	810.2	821.4	823.1	819.7	821.4	825.7	827.5	829.2
32.5°	645.3	728.7	781.9	789.6	800.0	794.8	793.9	796.5	803.4	803.4	805.1
35°	583.5	690.0	758.7	765.6	773.3	767.3	770.8	771.6	775.9	778.5	777.6
37.5°	515.6	656.5	734.6	739.8	745.8	738.1	743.3	745.8	749.2	747.5	747.5
40°	455.4	604.0	706.3	709.7	714.9	708.8	714.1	715.8	717.5	715.8	714.9
42.5°	410.8	546.5	676.2	680.5	677.1	681.3	683.1	686.5	684.0	680.5	680.5
45°	376.3	531.0	643.6	648.7	643.6	650.4	653.0	653.0	645.3	643.6	642.7
47.5°	365.1	500.1	611.0	611.0	608.3	616.9	621.2	615.2	607.5	604.9	604.9
50°	364.3	465.7	566.2	562.8	574.8	585.2	580.8	574.8	568.8	559.4	559.4
52.5°	330.8	423.6	508.6	521.5	540.5	546.5	539.6	533.6	523.2	519.0	515.6
55°	306.7	379.7	456.3	482.1	501.8	509.5	496.7	490.6	475.2	472.6	470.9
57.5°	301.6	316.2	408.1	440.8	464.8	464.0	456.3	445.1	432.2	429.6	428.8
60°	276.7	228.6	356.6	395.3	420.1	417.6	410.8	400.4	388.4	386.7	385.0
62.5°	250.9	165.9	298.2	342.0	377.2	376.3	370.3	354.9	346.3	342.0	338.6
65°	213.1	139.2	212.3	284.4	335.1	336.8	324.0	312.8	303.3	298.2	297.3
67.5°	162.4	113.4	143.5	237.2	294.8	293.0	276.7	271.5	259.5	256.9	251.8
70°	120.3	75.6	99.7	192.4	255.2	250.9	238.0	232.0	220.8	214.8	211.4
72.5°	99.7	61.0	73.0	149.5	214.8	209.7	198.5	191.6	182.2	177.0	173.6
75°	80.8	64.4	55.9	110.9	174.4	171.0	160.7	153.8	146.1	139.2	140.1
77.5°	59.3	60.1	44.7	81.7	138.4	133.2	127.2	118.6	115.1	108.3	108.3
80°	44.7	47.2	33.5	55.9	99.7	99.7	94.6	88.5	82.5	79.1	79.1
82.5°	30.1	30.1	24.9	35.2	67.9	65.3	61.8	60.1	56.7	55.0	55.0
85°	13.8	17.2	15.5	21.4	37.0	38.7	38.7	37.0	36.1	34.3	35.2
87.5°	4.3	7.8	9.5	12.0	18.9	19.7	20.6	20.6	20.6	21.4	21.4
90°	3.9	7.1	10.3	11.1	17.4	25.9	30.2	26.8	20.2	15.1	15.1
92.5°	15.9	42.9	69.9	76.6	107.7	149.2	170.0	149.0	106.9	75.4	72.4
95°	38.1	87.5	136.9	149.3	265.1	419.6	496.8	443.4	336.4	256.2	247.1
97.5°	65.9	109.5	153.1	164.0	357.2	614.7	743.5	709.7	642.1	591.4	574.1
100°	87.4	126.9	166.5	176.4	390.7	676.5	819.4	821.8	826.8	830.5	809.9
102.5°	105.7	142.6	179.5	188.7	406.1	695.9	840.8	883.9	970.0	1034.6	1016.9
105°	136.7	167.9	199.2	207.0	417.4	698.1	838.4	934.9	1128.0	1272.9	1263.4
107.5°	168.4	197.6	226.7	233.9	419.5	667.0	790.8	925.4	1194.8	1396.8	1399.1
110°	189.9	216.2	242.4	249.0	416.3	639.5	751.0	901.6	1202.8	1428.6	1438.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	210.9	235.9	261.0	267.3	416.5	615.4	714.9	869.0	1177.2	1408.3	1423.5
115°	242.7	265.8	288.9	294.7	420.3	587.8	671.6	820.0	1116.9	1339.6	1360.6
117.5°	274.0	295.0	316.0	321.3	428.2	570.6	641.8	775.8	1043.7	1244.7	1268.0
120°	292.3	312.1	331.8	336.8	434.5	564.7	629.9	752.3	997.1	1180.7	1203.5
122.5°	310.2	330.1	350.1	355.1	443.6	561.8	620.8	731.0	951.4	1116.8	1139.2
125°	337.6	355.7	373.9	378.5	455.9	559.2	610.9	704.5	891.8	1032.2	1052.8
127.5°	359.8	378.2	396.5	401.1	468.2	557.7	602.5	682.9	843.7	964.3	981.7
130°	371.7	391.5	411.3	416.2	477.3	558.7	599.3	670.9	814.1	921.4	937.5
132.5°	384.0	403.8	423.6	428.5	484.5	559.2	596.5	660.6	788.8	884.9	899.2
135°	402.3	420.3	438.3	442.9	492.5	558.7	591.7	645.4	752.7	833.2	845.6
137.5°	421.0	438.8	456.6	461.1	504.4	562.1	591.0	636.3	727.0	795.1	805.3
140°	436.5	452.9	469.3	473.4	511.7	562.7	588.2	627.4	705.8	764.5	774.0
142.5°	448.4	463.6	478.8	482.6	517.8	564.7	588.2	622.6	691.4	743.1	751.3
145°	466.7	479.9	493.1	496.4	525.7	564.7	584.2	612.4	668.7	710.9	717.0
147.5°	484.9	497.8	510.7	513.9	537.3	568.6	584.2	606.3	650.7	683.9	689.0
150°	496.8	508.5	520.2	523.1	543.5	570.6	584.2	602.9	640.3	668.4	672.6
152.5°	509.1	518.0	526.8	529.0	547.4	571.9	584.2	600.2	632.1	656.1	659.3
155°	527.4	533.9	540.5	542.1	556.1	574.8	584.2	597.0	622.4	641.5	643.5
157.5°	540.9	547.3	553.6	555.3	564.9	577.8	584.2	594.1	613.9	628.7	630.2
160°	550.1	555.0	560.0	561.2	568.8	579.1	584.2	592.7	609.6	622.3	623.2
162.5°	559.2	563.0	566.6	567.6	573.1	580.6	584.2	591.4	605.7	616.4	617.2
165°	569.1	572.5	575.9	576.7	579.2	582.5	584.2	589.3	599.6	607.3	608.1
167.5°	578.2	579.9	581.4	581.8	584.0	586.8	588.2	591.5	598.2	603.3	603.6
170°	584.2	585.8	587.4	587.8	587.9	588.1	588.2	591.5	598.2	603.3	603.3
172.5°	587.4	587.7	588.1	588.2	588.2	588.2	588.2	590.8	596.1	600.1	599.8
175°	591.7	591.7	591.7	591.7	590.5	588.9	588.2	589.9	593.2	595.8	595.8
177.5°	591.7	591.7	591.7	591.7	590.8	589.6	589.0	590.4	593.0	595.0	594.6
180°	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2
2.5°	931.4	928.9	931.4	929.7	930.6	928.0	920.2	917.7	920.2	922.8	922.8
5°	942.6	940.8	942.6	942.6	941.8	940.0	931.4	929.7	931.4	932.3	930.6
7.5°	946.0	943.5	946.0	944.3	944.3	942.6	934.0	932.3	933.1	935.7	933.1
10°	946.0	943.5	946.0	945.2	944.3	942.6	934.0	930.6	930.6	933.1	930.6
12.5°	941.8	940.0	941.8	940.0	940.0	938.3	929.7	926.2	927.2	928.0	924.5
15°	934.8	932.3	934.8	933.1	934.0	931.4	921.9	918.5	918.5	920.2	914.3
17.5°	924.5	921.1	924.5	923.7	922.8	921.1	912.5	909.0	908.2	909.0	904.8
20°	912.5	909.9	912.5	911.6	911.6	908.2	899.7	895.3	895.3	895.3	891.0
22.5°	893.6	891.0	893.6	895.3	895.3	894.4	886.8	880.7	879.0	879.0	873.9
25°	872.2	869.6	872.2	872.2	871.3	872.2	869.6	866.1	863.5	861.0	855.8
27.5°	851.5	849.8	851.5	849.8	851.5	848.9	848.1	847.2	843.8	841.2	834.3
30°	830.9	829.2	830.9	829.2	827.5	825.7	821.4	819.7	823.1	821.4	810.2
32.5°	805.1	803.4	805.1	805.1	803.4	803.4	796.5	793.9	794.8	800.0	789.6
35°	778.5	775.9	778.5	777.6	778.5	775.9	771.6	770.8	767.3	773.3	765.6
37.5°	747.5	745.0	747.5	747.5	747.5	749.2	745.8	743.3	738.1	745.8	739.8
40°	715.8	712.3	715.8	714.9	715.8	717.5	715.8	714.1	708.8	714.9	709.7
42.5°	679.6	678.8	679.6	680.5	680.5	684.0	686.5	683.1	681.3	677.1	680.5
45°	641.0	639.2	641.0	642.7	643.6	645.3	653.0	653.0	650.4	643.6	648.7
47.5°	599.8	595.4	599.8	604.9	604.9	607.5	615.2	621.2	616.9	608.3	611.0
50°	556.0	556.8	556.0	559.4	559.4	568.8	574.8	580.8	585.2	574.8	562.8
52.5°	513.0	512.1	513.0	515.6	519.0	523.2	533.6	539.6	546.5	540.5	521.5
55°	470.0	471.7	470.0	470.9	472.6	475.2	490.6	496.7	509.5	501.8	482.1
57.5°	427.1	424.5	427.1	428.8	429.6	432.2	445.1	456.3	464.0	464.8	440.8
60°	377.2	373.8	377.2	385.0	386.7	388.4	400.4	410.8	417.6	420.1	395.3
62.5°	333.4	327.4	333.4	338.6	342.0	346.3	354.9	370.3	376.3	377.2	342.0
65°	287.0	284.4	287.0	297.3	298.2	303.3	312.8	324.0	336.8	335.1	284.4
67.5°	244.9	244.9	244.9	251.8	256.9	259.5	271.5	276.7	293.0	294.8	237.2
70°	206.2	205.3	206.2	211.4	214.8	220.8	232.0	238.0	250.9	255.2	192.4
72.5°	169.3	168.4	169.3	173.6	177.0	182.2	191.6	198.5	209.7	214.8	149.5
75°	136.7	134.9	136.7	140.1	139.2	146.1	153.8	160.7	171.0	174.4	110.9
77.5°	104.8	104.8	104.8	108.3	108.3	115.1	118.6	127.2	133.2	138.4	81.7
80°	78.2	77.3	78.2	79.1	79.1	82.5	88.5	94.6	99.7	99.7	55.9
82.5°	55.0	53.3	55.0	55.0	55.0	56.7	60.1	61.8	65.3	67.9	35.2
85°	34.3	34.3	34.3	35.2	34.3	36.1	37.0	38.7	38.7	37.0	21.4
87.5°	22.4	21.4	22.4	21.4	21.4	20.6	20.6	20.6	19.7	18.9	12.0
90°	15.1	15.1	15.1	15.1	15.1	20.2	26.8	30.2	25.9	17.4	11.1
92.5°	60.4	48.4	60.4	72.4	75.4	106.9	149.0	170.0	149.2	107.7	76.6
95°	210.7	174.3	210.7	247.1	256.2	336.4	443.4	496.8	419.6	265.1	149.3
97.5°	504.9	435.7	504.9	574.1	591.4	642.1	709.7	743.5	614.7	357.2	164.0
100°	727.4	645.0	727.4	809.9	830.5	826.8	821.8	819.4	676.5	390.7	176.4
102.5°	946.4	875.7	946.4	1016.9	1034.6	970.0	883.9	840.8	695.9	406.1	188.7
105°	1225.4	1187.5	1225.4	1263.4	1272.9	1128.0	934.9	838.4	698.1	417.4	207.0
107.5°	1408.3	1417.4	1408.3	1399.1	1396.8	1194.8	925.4	790.8	667.0	419.5	233.9
110°	1478.0	1517.5	1478.0	1438.5	1428.6	1202.8	901.6	751.0	639.5	416.3	249.0



TEST NUMBER: P934637

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1484.2	1544.9	1484.2	1423.5	1408.3	1177.2	869.0	714.9	615.4	416.5	267.3
115°	1444.8	1529.1	1444.8	1360.6	1339.6	1116.9	820.0	671.6	587.8	420.3	294.7
117.5°	1361.4	1454.8	1361.4	1268.0	1244.7	1043.7	775.8	641.8	570.6	428.2	321.3
120°	1294.2	1384.9	1294.2	1203.5	1180.7	997.1	752.3	629.9	564.7	434.5	336.8
122.5°	1228.7	1318.2	1228.7	1139.2	1116.8	951.4	731.0	620.8	561.8	443.6	355.1
125°	1135.3	1217.7	1135.3	1052.8	1032.2	891.8	704.5	610.9	559.2	455.9	378.5
127.5°	1051.3	1120.8	1051.3	981.7	964.3	843.7	682.9	602.5	557.7	468.2	401.1
130°	1001.7	1066.0	1001.7	937.5	921.4	814.1	670.9	599.3	558.7	477.3	416.2
132.5°	956.8	1014.4	956.8	899.2	884.9	788.8	660.6	596.5	559.2	484.5	428.5
135°	895.2	944.8	895.2	845.6	833.2	752.7	645.4	591.7	558.7	492.5	442.9
137.5°	845.8	886.5	845.8	805.3	795.1	727.0	636.3	591.0	562.1	504.4	461.1
140°	812.0	849.9	812.0	774.0	764.5	705.8	627.4	588.2	562.7	511.7	473.4
142.5°	783.9	816.5	783.9	751.3	743.1	691.4	622.6	588.2	564.7	517.8	482.6
145°	741.8	766.5	741.8	717.0	710.9	668.7	612.4	584.2	564.7	525.7	496.4
147.5°	709.4	729.9	709.4	689.0	683.9	650.7	606.3	584.2	568.6	537.3	513.9
150°	689.2	705.8	689.2	672.6	668.4	640.3	602.9	584.2	570.6	543.5	523.1
152.5°	671.8	684.3	671.8	659.3	656.1	632.1	600.2	584.2	571.9	547.4	529.0
155°	651.8	660.1	651.8	643.5	641.5	622.4	597.0	584.2	574.8	556.1	542.1
157.5°	636.0	641.8	636.0	630.2	628.7	613.9	594.1	584.2	577.8	564.9	555.3
160°	626.5	629.9	626.5	623.2	622.3	609.6	592.7	584.2	579.1	568.8	561.2
162.5°	620.4	623.5	620.4	617.2	616.4	605.7	591.4	584.2	580.6	573.1	567.6
165°	611.5	614.8	611.5	608.1	607.3	599.6	589.3	584.2	582.5	579.2	576.7
167.5°	605.1	606.4	605.1	603.6	603.3	598.2	591.5	588.2	586.8	584.0	581.8
170°	603.3	603.3	603.3	603.3	603.3	598.2	591.5	588.2	588.1	587.9	587.8
172.5°	598.6	597.3	598.6	599.8	600.1	596.1	590.8	588.2	588.2	588.2	588.2
175°	595.8	595.8	595.8	595.8	595.8	593.2	589.9	588.2	588.9	590.5	591.7
177.5°	593.2	591.7	593.2	594.6	595.0	593.0	590.4	589.0	589.6	590.8	591.7
180°	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7



TEST NUMBER: P934637

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2
2.5°	921.1	916.0	916.0	907.3	903.9	901.4	897.0	884.2	880.7	877.3	882.4
5°	928.9	919.4	912.5	897.0	884.2	879.0	862.7	831.7	811.1	795.6	787.1
7.5°	930.6	918.5	905.6	881.5	850.6	836.9	787.1	730.4	714.9	701.2	692.5
10°	928.9	915.1	897.0	861.0	787.9	763.8	714.1	677.1	667.6	665.0	667.6
12.5°	922.8	909.9	885.0	824.8	722.6	706.3	677.1	655.6	653.8	658.2	681.3
15°	912.5	900.5	871.3	776.7	686.5	674.5	653.8	646.1	655.6	685.7	755.3
17.5°	902.2	888.5	852.3	729.5	659.0	650.4	635.8	651.3	704.6	745.0	768.1
20°	888.5	872.2	830.9	695.1	639.2	631.5	624.6	694.2	734.6	749.2	762.1
22.5°	872.2	854.9	801.7	671.1	618.6	612.7	616.9	718.3	734.6	745.0	756.2
25°	850.6	836.0	767.3	652.1	602.3	595.4	611.8	715.8	725.2	727.8	750.1
27.5°	830.9	811.9	731.2	635.0	582.6	580.0	616.1	704.6	711.5	714.1	738.1
30°	806.8	778.5	690.8	616.9	561.9	561.1	616.9	690.8	689.1	695.9	720.0
32.5°	781.9	728.7	645.3	594.6	542.2	541.3	611.0	670.2	668.5	677.9	695.9
35°	758.7	690.0	583.5	568.8	517.3	518.1	596.3	646.1	647.0	655.6	666.7
37.5°	734.6	656.5	515.6	540.5	493.2	493.2	576.5	623.8	622.1	624.6	640.2
40°	706.3	604.0	455.4	503.5	470.9	468.3	552.4	599.8	593.7	592.9	614.4
42.5°	676.2	546.5	410.8	454.6	445.1	441.7	523.2	570.6	559.4	561.9	589.4
45°	643.6	531.0	376.3	384.1	418.4	415.9	491.5	537.0	529.3	536.1	564.5
47.5°	611.0	500.1	365.1	318.8	390.1	389.2	456.3	504.4	500.1	506.9	537.0
50°	566.2	465.7	364.3	273.2	358.3	361.7	414.2	472.6	472.6	478.6	510.4
52.5°	508.6	423.6	330.8	247.4	321.3	331.7	377.2	445.1	446.8	452.9	481.1
55°	456.3	379.7	306.7	227.7	277.5	299.9	341.1	416.7	420.1	426.2	451.9
57.5°	408.1	316.2	301.6	204.5	237.2	258.6	309.4	389.2	390.9	396.1	421.0
60°	356.6	228.6	276.7	179.5	201.9	218.2	280.1	356.6	362.6	366.0	387.5
62.5°	298.2	165.9	250.9	162.4	184.7	188.2	256.1	325.7	333.4	335.9	348.8
65°	212.3	139.2	213.1	147.8	166.7	167.6	230.3	293.8	300.7	305.0	314.5
67.5°	143.5	113.4	162.4	134.0	153.0	153.8	205.3	256.9	266.4	269.8	275.8
70°	99.7	75.6	120.3	119.4	137.5	139.2	178.7	223.4	232.0	234.5	238.0
72.5°	73.0	61.0	99.7	107.4	121.1	122.9	151.3	185.6	194.2	196.8	198.5
75°	55.9	64.4	80.8	93.7	103.1	103.9	123.8	151.3	157.2	159.0	159.8
77.5°	44.7	60.1	59.3	75.6	84.2	82.5	97.1	116.8	122.0	122.0	122.0
80°	33.5	47.2	44.7	54.2	61.8	60.1	69.6	83.4	85.1	86.8	85.9
82.5°	24.9	30.1	30.1	34.3	41.3	39.5	46.4	54.2	54.2	54.2	55.9
85°	15.5	17.2	13.8	18.0	23.2	22.4	25.8	29.2	30.1	30.1	28.4
87.5°	9.5	7.8	4.3	6.8	10.3	10.3	12.0	12.9	12.0	12.0	12.0
90°	10.3	7.1	3.9	7.1	10.3	11.1	17.4	25.9	30.2	26.8	20.2
92.5°	69.9	42.9	15.9	42.9	69.9	76.6	107.7	149.2	170.0	149.0	106.9
95°	136.9	87.5	38.1	87.5	136.9	149.3	265.1	419.6	496.8	443.4	336.4
97.5°	153.1	109.5	65.9	109.5	153.1	164.0	357.2	614.7	743.5	709.7	642.1
100°	166.5	126.9	87.4	126.9	166.5	176.4	390.7	676.5	819.4	821.8	826.8
102.5°	179.5	142.6	105.7	142.6	179.5	188.7	406.1	695.9	840.8	883.9	970.0
105°	199.2	167.9	136.7	167.9	199.2	207.0	417.4	698.1	838.4	934.9	1128.0
107.5°	226.7	197.6	168.4	197.6	226.7	233.9	419.5	667.0	790.8	925.4	1194.8
110°	242.4	216.2	189.9	216.2	242.4	249.0	416.3	639.5	751.0	901.6	1202.8



TEST NUMBER: P934637

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	261.0	235.9	210.9	235.9	261.0	267.3	416.5	615.4	714.9	869.0	1177.2
115°	288.9	265.8	242.7	265.8	288.9	294.7	420.3	587.8	671.6	820.0	1116.9
117.5°	316.0	295.0	274.0	295.0	316.0	321.3	428.2	570.6	641.8	775.8	1043.7
120°	331.8	312.1	292.3	312.1	331.8	336.8	434.5	564.7	629.9	752.3	997.1
122.5°	350.1	330.1	310.2	330.1	350.1	355.1	443.6	561.8	620.8	731.0	951.4
125°	373.9	355.7	337.6	355.7	373.9	378.5	455.9	559.2	610.9	704.5	891.8
127.5°	396.5	378.2	359.8	378.2	396.5	401.1	468.2	557.7	602.5	682.9	843.7
130°	411.3	391.5	371.7	391.5	411.3	416.2	477.3	558.7	599.3	670.9	814.1
132.5°	423.6	403.8	384.0	403.8	423.6	428.5	484.5	559.2	596.5	660.6	788.8
135°	438.3	420.3	402.3	420.3	438.3	442.9	492.5	558.7	591.7	645.4	752.7
137.5°	456.6	438.8	421.0	438.8	456.6	461.1	504.4	562.1	591.0	636.3	727.0
140°	469.3	452.9	436.5	452.9	469.3	473.4	511.7	562.7	588.2	627.4	705.8
142.5°	478.8	463.6	448.4	463.6	478.8	482.6	517.8	564.7	588.2	622.6	691.4
145°	493.1	479.9	466.7	479.9	493.1	496.4	525.7	564.7	584.2	612.4	668.7
147.5°	510.7	497.8	484.9	497.8	510.7	513.9	537.3	568.6	584.2	606.3	650.7
150°	520.2	508.5	496.8	508.5	520.2	523.1	543.5	570.6	584.2	602.9	640.3
152.5°	526.8	518.0	509.1	518.0	526.8	529.0	547.4	571.9	584.2	600.2	632.1
155°	540.5	533.9	527.4	533.9	540.5	542.1	556.1	574.8	584.2	597.0	622.4
157.5°	553.6	547.3	540.9	547.3	553.6	555.3	564.9	577.8	584.2	594.1	613.9
160°	560.0	555.0	550.1	555.0	560.0	561.2	568.8	579.1	584.2	592.7	609.6
162.5°	566.6	563.0	559.2	563.0	566.6	567.6	573.1	580.6	584.2	591.4	605.7
165°	575.9	572.5	569.1	572.5	575.9	576.7	579.2	582.5	584.2	589.3	599.6
167.5°	581.4	579.9	578.2	579.9	581.4	581.8	584.0	586.8	588.2	591.5	598.2
170°	587.4	585.8	584.2	585.8	587.4	587.8	587.9	588.1	588.2	591.5	598.2
172.5°	588.1	587.7	587.4	587.7	588.1	588.2	588.2	588.2	588.2	590.8	596.1
175°	591.7	591.7	591.7	591.7	591.7	591.7	590.5	588.9	588.2	589.9	593.2
177.5°	591.7	591.7	591.7	591.7	591.7	591.7	590.8	589.6	589.0	590.4	593.0
180°	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7



TEST NUMBER: P934637

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2	908.2
2.5°	876.4	873.9	877.3	867.8	877.3	873.9	876.4	882.4	877.3	880.7	884.2
5°	769.1	764.7	750.9	739.8	750.9	764.7	769.1	787.1	795.6	811.1	831.7
7.5°	687.4	684.0	680.5	673.7	680.5	684.0	687.4	692.5	701.2	714.9	730.4
10°	669.4	670.2	675.4	674.5	675.4	670.2	669.4	667.6	665.0	667.6	677.1
12.5°	715.8	723.4	751.8	750.1	751.8	723.4	715.8	681.3	658.2	653.8	655.6
15°	769.1	771.6	777.6	778.5	777.6	771.6	769.1	755.3	685.7	655.6	646.1
17.5°	774.2	775.0	779.3	779.3	779.3	775.0	774.2	768.1	745.0	704.6	651.3
20°	769.9	771.6	780.2	781.9	780.2	771.6	769.9	762.1	749.2	734.6	694.2
22.5°	768.1	771.6	778.5	777.6	778.5	771.6	768.1	756.2	745.0	734.6	718.3
25°	759.6	759.6	760.4	761.3	760.4	759.6	759.6	750.1	727.8	725.2	715.8
27.5°	741.6	743.3	748.4	747.5	748.4	743.3	741.6	738.1	714.1	711.5	704.6
30°	725.2	723.4	719.2	715.8	719.2	723.4	725.2	720.0	695.9	689.1	690.8
32.5°	697.7	693.4	689.1	686.5	689.1	693.4	697.7	695.9	677.9	668.5	670.2
35°	665.0	665.9	665.0	662.5	665.0	665.9	665.0	666.7	655.6	647.0	646.1
37.5°	641.9	643.6	642.7	639.2	642.7	643.6	641.9	640.2	624.6	622.1	623.8
40°	617.8	618.6	617.8	615.2	617.8	618.6	617.8	614.4	592.9	593.7	599.8
42.5°	594.6	593.7	591.1	589.4	591.1	593.7	594.6	589.4	561.9	559.4	570.6
45°	568.0	568.8	563.6	561.1	563.6	568.8	568.0	564.5	536.1	529.3	537.0
47.5°	541.3	541.3	537.0	534.4	537.0	541.3	541.3	537.0	506.9	500.1	504.4
50°	513.0	512.1	506.1	505.2	506.1	512.1	513.0	510.4	478.6	472.6	472.6
52.5°	480.3	480.3	481.1	482.9	481.1	480.3	480.3	481.1	452.9	446.8	445.1
55°	451.9	452.9	458.8	460.5	458.8	452.9	451.9	451.9	426.2	420.1	416.7
57.5°	422.7	422.7	427.1	427.1	427.1	422.7	422.7	421.0	396.1	390.9	389.2
60°	389.2	390.9	394.4	393.5	394.4	390.9	389.2	387.5	366.0	362.6	356.6
62.5°	354.0	355.7	356.6	354.9	356.6	355.7	354.0	348.8	335.9	333.4	325.7
65°	317.1	318.8	319.6	317.9	319.6	318.8	317.1	314.5	305.0	300.7	293.8
67.5°	279.2	278.4	277.5	281.0	277.5	278.4	279.2	275.8	269.8	266.4	256.9
70°	240.6	240.6	239.8	241.5	239.8	240.6	240.6	238.0	234.5	232.0	223.4
72.5°	199.4	198.5	201.9	199.4	201.9	198.5	199.4	198.5	196.8	194.2	185.6
75°	159.0	160.7	159.0	161.5	159.0	160.7	159.0	159.8	159.0	157.2	151.3
77.5°	121.1	122.9	121.1	121.1	121.1	122.9	121.1	122.0	122.0	122.0	116.8
80°	85.9	85.1	85.1	84.2	85.1	85.1	85.9	85.9	86.8	85.1	83.4
82.5°	55.0	54.2	54.2	55.9	54.2	54.2	55.0	55.9	54.2	54.2	54.2
85°	30.1	30.9	29.2	29.2	29.2	30.9	30.1	28.4	30.1	30.1	29.2
87.5°	11.2	10.3	10.3	10.3	10.3	10.3	11.2	12.0	12.0	12.0	12.9
90°	15.1	15.1	15.1	15.1	15.1	15.1	15.1	20.2	26.8	30.2	25.9
92.5°	75.4	72.4	60.4	48.4	60.4	72.4	75.4	106.9	149.0	170.0	149.2
95°	256.2	247.1	210.7	174.3	210.7	247.1	256.2	336.4	443.4	496.8	419.6
97.5°	591.4	574.1	504.9	435.7	504.9	574.1	591.4	642.1	709.7	743.5	614.7
100°	830.5	809.9	727.4	645.0	727.4	809.9	830.5	826.8	821.8	819.4	676.5
102.5°	1034.6	1016.9	946.4	875.7	946.4	1016.9	1034.6	970.0	883.9	840.8	695.9
105°	1272.9	1263.4	1225.4	1187.5	1225.4	1263.4	1272.9	1128.0	934.9	838.4	698.1
107.5°	1396.8	1399.1	1408.3	1417.4	1408.3	1399.1	1396.8	1194.8	925.4	790.8	667.0
110°	1428.6	1438.5	1478.0	1517.5	1478.0	1438.5	1428.6	1202.8	901.6	751.0	639.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1408.3	1423.5	1484.2	1544.9	1484.2	1423.5	1408.3	1177.2	869.0	714.9	615.4
115°	1339.6	1360.6	1444.8	1529.1	1444.8	1360.6	1339.6	1116.9	820.0	671.6	587.8
117.5°	1244.7	1268.0	1361.4	1454.8	1361.4	1268.0	1244.7	1043.7	775.8	641.8	570.6
120°	1180.7	1203.5	1294.2	1384.9	1294.2	1203.5	1180.7	997.1	752.3	629.9	564.7
122.5°	1116.8	1139.2	1228.7	1318.2	1228.7	1139.2	1116.8	951.4	731.0	620.8	561.8
125°	1032.2	1052.8	1135.3	1217.7	1135.3	1052.8	1032.2	891.8	704.5	610.9	559.2
127.5°	964.3	981.7	1051.3	1120.8	1051.3	981.7	964.3	843.7	682.9	602.5	557.7
130°	921.4	937.5	1001.7	1066.0	1001.7	937.5	921.4	814.1	670.9	599.3	558.7
132.5°	884.9	899.2	956.8	1014.4	956.8	899.2	884.9	788.8	660.6	596.5	559.2
135°	833.2	845.6	895.2	944.8	895.2	845.6	833.2	752.7	645.4	591.7	558.7
137.5°	795.1	805.3	845.8	886.5	845.8	805.3	795.1	727.0	636.3	591.0	562.1
140°	764.5	774.0	812.0	849.9	812.0	774.0	764.5	705.8	627.4	588.2	562.7
142.5°	743.1	751.3	783.9	816.5	783.9	751.3	743.1	691.4	622.6	588.2	564.7
145°	710.9	717.0	741.8	766.5	741.8	717.0	710.9	668.7	612.4	584.2	564.7
147.5°	683.9	689.0	709.4	729.9	709.4	689.0	683.9	650.7	606.3	584.2	568.6
150°	668.4	672.6	689.2	705.8	689.2	672.6	668.4	640.3	602.9	584.2	570.6
152.5°	656.1	659.3	671.8	684.3	671.8	659.3	656.1	632.1	600.2	584.2	571.9
155°	641.5	643.5	651.8	660.1	651.8	643.5	641.5	622.4	597.0	584.2	574.8
157.5°	628.7	630.2	636.0	641.8	636.0	630.2	628.7	613.9	594.1	584.2	577.8
160°	622.3	623.2	626.5	629.9	626.5	623.2	622.3	609.6	592.7	584.2	579.1
162.5°	616.4	617.2	620.4	623.5	620.4	617.2	616.4	605.7	591.4	584.2	580.6
165°	607.3	608.1	611.5	614.8	611.5	608.1	607.3	599.6	589.3	584.2	582.5
167.5°	603.3	603.6	605.1	606.4	605.1	603.6	603.3	598.2	591.5	588.2	586.8
170°	603.3	603.3	603.3	603.3	603.3	603.3	603.3	598.2	591.5	588.2	588.1
172.5°	600.1	599.8	598.6	597.3	598.6	599.8	600.1	596.1	590.8	588.2	588.2
175°	595.8	595.8	595.8	595.8	595.8	595.8	595.8	593.2	589.9	588.2	588.9
177.5°	595.0	594.6	593.2	591.7	593.2	594.6	595.0	593.0	590.4	589.0	589.6
180°	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7	591.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	908.2	908.2	908.2	908.2	908.2
2.5°	897.0	901.4	903.9	907.3	916.0
5°	862.7	879.0	884.2	897.0	912.5
7.5°	787.1	836.9	850.6	881.5	905.6
10°	714.1	763.8	787.9	861.0	897.0
12.5°	677.1	706.3	722.6	824.8	885.0
15°	653.8	674.5	686.5	776.7	871.3
17.5°	635.8	650.4	659.0	729.5	852.3
20°	624.6	631.5	639.2	695.1	830.9
22.5°	616.9	612.7	618.6	671.1	801.7
25°	611.8	595.4	602.3	652.1	767.3
27.5°	616.1	580.0	582.6	635.0	731.2
30°	616.9	561.1	561.9	616.9	690.8
32.5°	611.0	541.3	542.2	594.6	645.3
35°	596.3	518.1	517.3	568.8	583.5
37.5°	576.5	493.2	493.2	540.5	515.6
40°	552.4	468.3	470.9	503.5	455.4
42.5°	523.2	441.7	445.1	454.6	410.8
45°	491.5	415.9	418.4	384.1	376.3
47.5°	456.3	389.2	390.1	318.8	365.1
50°	414.2	361.7	358.3	273.2	364.3
52.5°	377.2	331.7	321.3	247.4	330.8
55°	341.1	299.9	277.5	227.7	306.7
57.5°	309.4	258.6	237.2	204.5	301.6
60°	280.1	218.2	201.9	179.5	276.7
62.5°	256.1	188.2	184.7	162.4	250.9
65°	230.3	167.6	166.7	147.8	213.1
67.5°	205.3	153.8	153.0	134.0	162.4
70°	178.7	139.2	137.5	119.4	120.3
72.5°	151.3	122.9	121.1	107.4	99.7
75°	123.8	103.9	103.1	93.7	80.8
77.5°	97.1	82.5	84.2	75.6	59.3
80°	69.6	60.1	61.8	54.2	44.7
82.5°	46.4	39.5	41.3	34.3	30.1
85°	25.8	22.4	23.2	18.0	13.8
87.5°	12.0	10.3	10.3	6.8	4.3
90°	17.4	11.1	10.3	7.1	3.9
92.5°	107.7	76.6	69.9	42.9	15.9
95°	265.1	149.3	136.9	87.5	38.1
97.5°	357.2	164.0	153.1	109.5	65.9
100°	390.7	176.4	166.5	126.9	87.4
102.5°	406.1	188.7	179.5	142.6	105.7
105°	417.4	207.0	199.2	167.9	136.7
107.5°	419.5	233.9	226.7	197.6	168.4
110°	416.3	249.0	242.4	216.2	189.9



TEST NUMBER: P934637

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	416.5	267.3	261.0	235.9	210.9
115°	420.3	294.7	288.9	265.8	242.7
117.5°	428.2	321.3	316.0	295.0	274.0
120°	434.5	336.8	331.8	312.1	292.3
122.5°	443.6	355.1	350.1	330.1	310.2
125°	455.9	378.5	373.9	355.7	337.6
127.5°	468.2	401.1	396.5	378.2	359.8
130°	477.3	416.2	411.3	391.5	371.7
132.5°	484.5	428.5	423.6	403.8	384.0
135°	492.5	442.9	438.3	420.3	402.3
137.5°	504.4	461.1	456.6	438.8	421.0
140°	511.7	473.4	469.3	452.9	436.5
142.5°	517.8	482.6	478.8	463.6	448.4
145°	525.7	496.4	493.1	479.9	466.7
147.5°	537.3	513.9	510.7	497.8	484.9
150°	543.5	523.1	520.2	508.5	496.8
152.5°	547.4	529.0	526.8	518.0	509.1
155°	556.1	542.1	540.5	533.9	527.4
157.5°	564.9	555.3	553.6	547.3	540.9
160°	568.8	561.2	560.0	555.0	550.1
162.5°	573.1	567.6	566.6	563.0	559.2
165°	579.2	576.7	575.9	572.5	569.1
167.5°	584.0	581.8	581.4	579.9	578.2
170°	587.9	587.8	587.4	585.8	584.2
172.5°	588.2	588.2	588.1	587.7	587.4
175°	590.5	591.7	591.7	591.7	591.7
177.5°	590.8	591.7	591.7	591.7	591.7
180°	591.7	591.7	591.7	591.7	591.7



TEST NUMBER: P934637

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-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	9.58	10.35	10.64	11.40	12.84	12.41	13.17	13.46	14.23	15.66
	3H	10.05	10.74	11.12	11.80	13.25	13.74	14.43	14.81	15.49	16.94
	4H	10.24	10.89	11.31	11.96	13.41	14.18	14.83	15.26	15.90	17.36
	6H	10.35	10.95	11.44	12.02	13.49	14.46	15.06	15.54	16.13	17.60
	8H	10.35	10.92	11.44	12.01	13.47	14.53	15.10	15.62	16.19	17.65
	12H	10.32	10.86	11.41	11.94	13.43	14.57	15.11	15.66	16.19	17.67
4H	2H	10.60	11.25	11.68	12.32	13.78	12.81	13.45	13.89	14.52	15.98
	3H	11.62	12.16	12.71	13.26	14.73	14.30	14.84	15.39	15.94	17.41
	4H	11.89	12.39	12.99	13.47	14.96	14.82	15.32	15.92	16.40	17.90
	6H	12.01	12.44	13.11	13.55	15.03	15.18	15.61	16.28	16.72	18.20
	8H	12.02	12.41	13.12	13.51	15.01	15.28	15.68	16.39	16.78	18.28
	12H	11.98	12.34	13.10	13.45	14.96	15.34	15.69	16.45	16.81	18.31
8H	4H	12.34	12.73	13.44	13.83	15.34	14.94	15.34	16.04	16.44	17.94
	6H	12.59	12.92	13.72	14.06	15.56	15.37	15.70	16.49	16.84	18.34
	8H	12.64	12.92	13.77	14.05	15.56	15.52	15.81	16.65	16.93	18.45
	12H	12.62	12.87	13.75	13.99	15.54	15.61	15.87	16.75	16.99	18.54
12H	4H	12.34	12.70	13.46	13.81	15.32	14.90	15.26	16.02	16.37	17.88
	6H	12.65	12.94	13.78	14.07	15.58	15.37	15.65	16.50	16.78	18.30
	8H	12.72	12.97	13.85	14.09	15.64	15.52	15.78	16.66	16.90	18.45