

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: P933978

Luminaire Tested: SQ4-FA-025U-075D-B2750-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P933978
REPORT IS A COMBINATION OF REPORTS P933677 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-025U-075D-B2750-1D-UNV-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

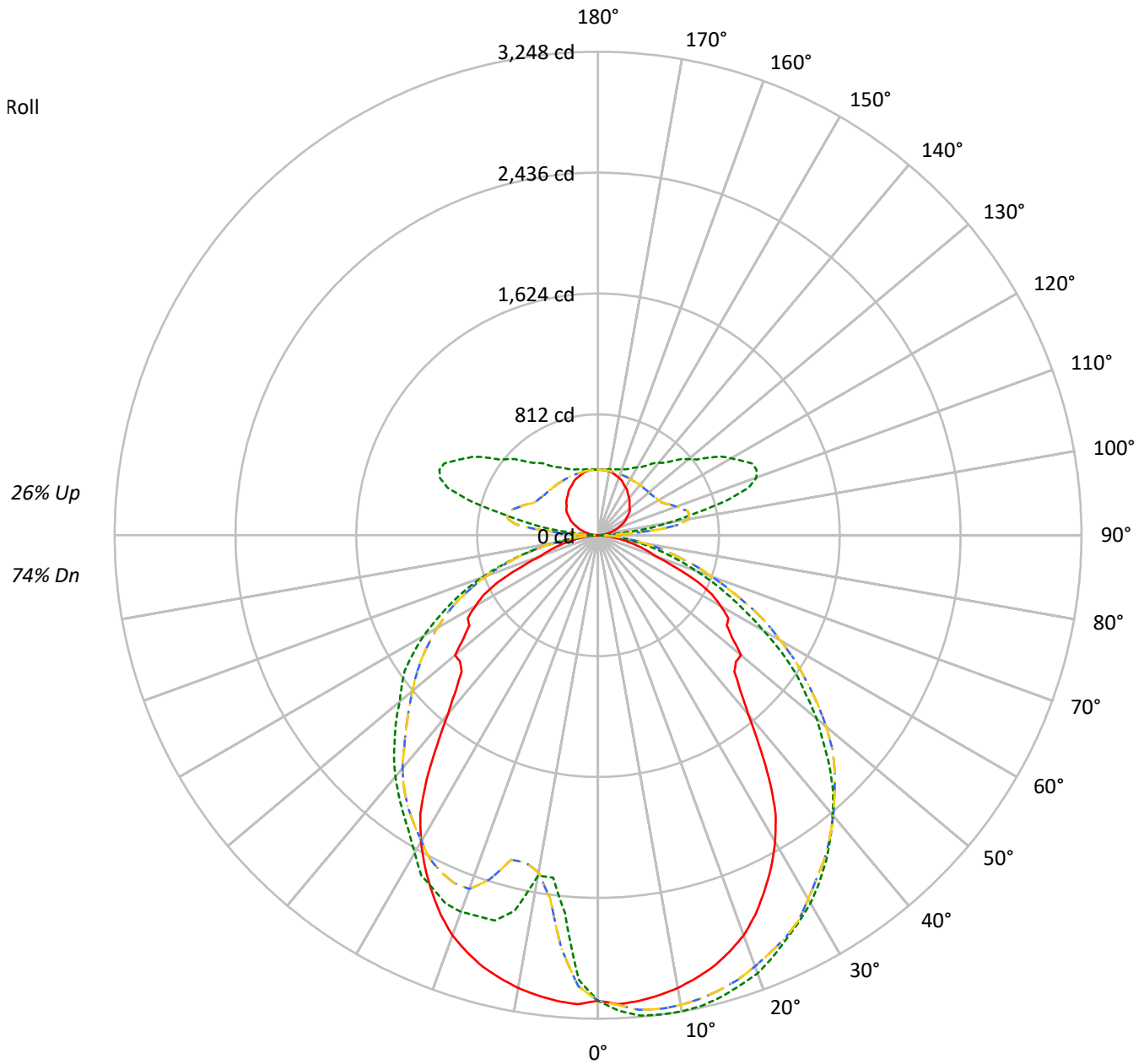
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10970.1 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 90
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: P933978
CATALOG NUMBER: SQ4-FA-025U-075D-B2750-1D-UNV-STD-W-12-3000K

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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	78	78	78	74
1	103	99	95	91	98	94	90	87	85	82	80	77	75	73	69	68	66	66	66	66	62
2	94	86	80	75	89	82	77	72	75	70	66	68	64	61	61	58	56	56	56	56	52
3	86	76	68	62	81	72	66	60	66	60	56	60	55	52	54	51	48	48	48	48	44
4	79	67	59	53	74	64	57	51	59	52	48	53	48	44	48	44	41	41	41	41	38
5	72	60	52	45	68	57	50	44	52	46	41	48	42	38	43	39	36	36	36	36	33
6	67	54	46	39	63	52	44	38	47	41	36	43	38	34	39	35	31	31	31	31	29
7	62	49	41	35	58	47	39	34	43	36	32	39	34	30	36	31	28	28	28	28	26
8	57	44	36	31	54	43	35	30	39	33	28	36	31	27	33	28	25	25	25	25	23
9	53	41	33	28	51	39	32	27	36	30	25	33	28	24	30	26	23	23	23	23	21
10	50	37	30	25	48	36	29	24	33	27	23	31	25	22	28	24	20	20	20	20	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9671	9671	9671	9671
5°	9747	9763	9747	7676
10°	9685	9617	9685	6875
15°	9584	9408	9584	7856
20°	9387	9161	9387	7873
25°	8980	8801	8980	7706
30°	8453	8503	8453	7339
35°	7540	8125	7540	6937
40°	6286	7679	6286	6632
45°	5620	7158	5620	6283
50°	5976	6537	5976	5932
55°	5628	5868	5628	5729
60°	5808	4983	5808	5247
65°	5275	4120	5275	4605
70°	3661	3283	3661	3860
75°	3223	2427	3223	2906
80°	2616	1604	2616	1747
85°	1533	850	1533	723

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8609 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.2	2.6
10°-20°	801.3	7.3
20°-30°	1238.7	11.3
30°-40°	1478.8	13.5
40°-50°	1487.4	13.6
50°-60°	1294.2	11.8
60°-70°	917.6	8.4
70°-80°	485.5	4.4
80°-90°	122.6	1.1
90°-100°	215.2	2.0
100°-110°	565.7	5.2
110°-120°	586.6	5.3
120°-130°	470.5	4.3
130°-140°	369.2	3.4
140°-150°	283.4	2.6
150°-160°	204.1	1.9
160°-170°	124.9	1.1
170°-180°	42.2	0.4
0°-30°	2322.3	21.2
0°-40°	3801.1	34.6
0°-60°	6582.8	60.0
0°-90°	8108.5	73.9
90°-120°	1367.5	12.5
90°-150°	2490.5	22.7
90°-180°	2862.0	26.1
0°-180°	10970.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3127	3127	3127	3127	3127	
5°	3142	3239	3142	2547	3142	298
15°	3000	3210	3000	2680	3000	844
25°	2642	2994	2642	2621	2642	1213
35°	2008	2671	2008	2281	2008	1243
45°	1296	2201	1296	1932	1296	1038
55°	1056	1624	1056	1586	1056	970
65°	734	979	734	1094	734	701
75°	278	464	278	556	278	292
85°	47	118	47	101	47	64
90°	3	11	3	11	3	4
95°	28	130	28	130	28	32
105°	102	886	102	886	102	108
115°	181	1141	181	1141	181	179
125°	252	908	252	908	252	224
135°	300	705	300	705	300	232
145°	348	572	348	572	348	218
155°	393	492	393	492	393	181
165°	425	459	425	459	425	120
175°	441	444	441	444	441	42
180°	441	441	441	441	441	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7
2.5°	3153.3	3153.3	3171.1	3177.0	3177.0	3168.1	3159.2	3168.1	3194.7	3203.6	3200.7
5°	3141.5	3165.2	3197.7	3203.6	3209.5	3206.6	3200.7	3206.6	3236.2	3242.1	3245.0
7.5°	3117.8	3162.2	3203.6	3212.5	3221.4	3212.5	3209.5	3215.4	3245.0	3250.9	3250.9
10°	3088.3	3150.4	3197.7	3203.6	3212.5	3203.6	3203.6	3215.4	3245.0	3250.9	3253.9
12.5°	3046.8	3132.6	3177.0	3182.9	3194.7	3191.8	3188.8	3200.7	3230.2	3236.2	3236.2
15°	2999.5	3100.1	3141.5	3147.4	3168.1	3162.2	3162.2	3174.0	3206.6	3215.4	3212.5
17.5°	2934.4	3058.7	3106.0	3114.9	3129.7	3126.7	3129.7	3141.5	3171.1	3177.0	3179.9
20°	2860.5	3002.5	3058.7	3067.5	3082.3	3082.3	3082.3	3097.1	3126.7	3138.5	3138.5
22.5°	2759.9	2943.3	3002.5	3008.4	3026.1	3026.1	3032.0	3052.8	3079.4	3082.3	3082.3
25°	2641.6	2878.2	2928.5	2946.3	2964.0	2972.9	2981.8	2993.6	3002.5	2999.5	3002.5
27.5°	2517.3	2795.4	2860.5	2872.3	2896.0	2904.9	2916.7	2919.6	2922.6	2931.5	2925.6
30°	2378.2	2680.0	2777.7	2789.5	2827.9	2833.9	2822.0	2827.9	2842.7	2848.7	2854.6
32.5°	2221.5	2508.4	2691.9	2718.5	2754.0	2736.2	2733.3	2742.2	2765.8	2765.8	2771.7
35°	2008.5	2375.3	2612.0	2635.7	2662.3	2641.6	2653.4	2656.4	2671.2	2680.0	2677.1
37.5°	1774.8	2259.9	2529.1	2546.8	2567.5	2540.9	2558.7	2567.5	2579.4	2573.5	2573.5
40°	1567.7	2079.5	2431.5	2443.3	2461.1	2440.4	2458.1	2464.0	2469.9	2464.0	2461.1
42.5°	1413.9	1881.3	2327.9	2342.7	2330.9	2345.7	2351.6	2363.4	2354.6	2342.7	2342.7
45°	1295.6	1828.0	2215.5	2233.3	2215.5	2239.2	2248.1	2248.1	2221.5	2215.5	2212.6
47.5°	1257.2	1721.6	2103.1	2103.1	2094.3	2123.8	2138.6	2117.9	2091.3	2082.4	2082.4
50°	1254.2	1603.2	1949.3	1937.5	1978.9	2014.4	1999.6	1978.9	1958.2	1925.7	1925.7
52.5°	1138.8	1458.3	1751.1	1795.5	1860.6	1881.3	1857.6	1836.9	1801.4	1786.6	1774.8
55°	1056.0	1307.4	1570.7	1659.4	1727.5	1754.1	1709.7	1689.0	1635.8	1626.9	1621.0
57.5°	1038.3	1088.5	1405.0	1517.5	1600.3	1597.3	1570.7	1532.2	1487.9	1479.0	1476.0
60°	952.5	786.8	1227.6	1360.7	1446.5	1437.6	1413.9	1378.4	1337.0	1331.1	1325.2
62.5°	863.7	570.9	1026.4	1177.3	1298.6	1295.6	1274.9	1221.7	1192.1	1177.3	1165.5
65°	733.6	479.2	730.6	979.1	1153.6	1159.5	1115.2	1076.7	1044.2	1026.4	1023.5
67.5°	559.1	390.5	494.0	816.4	1014.6	1008.7	952.5	934.7	893.3	884.4	866.7
70°	414.1	260.3	343.1	662.6	878.5	863.7	819.4	798.7	760.2	739.5	727.7
72.5°	343.1	210.0	251.4	514.7	739.5	721.8	683.3	659.6	627.1	609.3	597.5
75°	278.1	221.8	192.3	381.6	600.5	588.6	553.1	529.5	502.9	479.2	482.2
77.5°	204.1	207.1	153.8	281.0	476.2	458.5	437.8	408.2	396.4	372.7	372.7
80°	153.8	162.7	115.4	192.3	343.1	343.1	325.4	304.7	284.0	272.1	272.1
82.5°	103.5	103.5	85.8	121.3	233.7	224.8	213.0	207.1	195.2	189.3	189.3
85°	47.3	59.2	53.2	74.0	127.2	133.1	133.1	127.2	124.2	118.3	121.3
87.5°	14.8	26.6	32.5	41.4	65.1	68.0	71.0	71.0	71.0	74.0	74.0
90°	3.0	5.3	7.7	8.3	13.0	19.3	22.5	20.0	15.0	11.2	11.2
92.5°	11.8	31.9	52.2	57.2	80.4	111.3	126.8	111.1	79.8	56.3	54.0
95°	28.4	65.3	102.1	111.4	197.8	313.1	370.6	330.7	250.9	191.1	184.3
97.5°	49.2	81.7	114.3	122.4	266.4	458.6	554.6	529.4	479.0	441.1	428.2
100°	65.2	94.7	124.1	131.5	291.5	504.6	611.2	613.1	616.7	619.5	604.1
102.5°	78.8	106.3	133.8	140.7	302.9	519.1	627.2	659.3	723.5	771.7	758.5
105°	102.0	125.2	148.5	154.3	311.4	520.7	625.4	697.4	841.5	949.5	942.4
107.5°	125.6	147.3	169.1	174.5	313.0	497.5	589.8	690.3	891.2	1042.0	1043.7
110°	141.6	161.2	180.8	185.8	310.6	477.0	560.2	672.6	897.2	1065.7	1073.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	157.4	176.0	194.7	199.4	310.7	459.1	533.3	648.3	878.1	1050.6	1061.9
115°	181.0	198.3	215.5	219.9	313.5	438.5	501.0	611.7	833.2	999.3	1015.0
117.5°	204.4	220.1	235.8	239.7	319.4	425.7	478.8	578.8	778.6	928.5	946.0
120°	218.0	232.8	247.6	251.2	324.1	421.2	469.8	561.1	743.8	880.8	897.8
122.5°	231.4	246.3	261.1	264.8	330.9	419.0	463.0	545.3	709.7	833.1	849.7
125°	251.8	265.4	279.0	282.4	340.2	417.2	455.6	525.4	665.2	770.0	785.3
127.5°	268.4	282.1	295.8	299.3	349.3	416.1	449.4	509.4	629.4	719.3	732.3
130°	277.3	292.1	306.8	310.5	356.0	416.7	447.1	500.5	607.3	687.3	699.4
132.5°	286.5	301.2	316.0	319.7	361.5	417.2	445.0	492.8	588.4	660.1	670.9
135°	300.1	313.5	327.0	330.3	367.4	416.8	441.4	481.5	561.5	621.6	630.8
137.5°	314.0	327.4	340.6	343.9	376.3	419.3	440.8	474.7	542.3	593.1	600.7
140°	325.6	337.8	350.1	353.2	381.7	419.7	438.8	468.0	526.4	570.3	577.4
142.5°	334.5	345.8	357.1	360.0	386.2	421.2	438.8	464.4	515.8	554.3	560.4
145°	348.2	358.0	367.9	370.3	392.1	421.2	435.8	456.8	498.8	530.3	534.9
147.5°	361.8	371.3	381.0	383.4	400.8	424.2	435.8	452.4	485.4	510.2	514.0
150°	370.6	379.3	388.0	390.2	405.3	425.7	435.8	449.8	477.7	498.6	501.7
152.5°	379.8	386.4	392.9	394.6	408.3	426.6	435.8	447.7	471.6	489.5	491.8
155°	393.4	398.2	403.2	404.4	414.8	428.8	435.8	445.3	464.3	478.5	480.1
157.5°	403.5	408.2	413.0	414.2	421.4	431.0	435.8	443.2	457.9	468.9	470.0
160°	410.4	414.0	417.8	418.7	424.4	432.0	435.8	442.1	454.7	464.2	464.8
162.5°	417.2	419.9	422.7	423.4	427.5	433.1	435.8	441.1	451.8	459.8	460.4
165°	424.6	427.0	429.6	430.2	432.1	434.5	435.8	439.7	447.2	453.0	453.6
167.5°	431.4	432.6	433.7	434.0	435.6	437.7	438.8	441.2	446.3	450.0	450.3
170°	435.8	437.0	438.2	438.5	438.6	438.7	438.8	441.2	446.3	450.0	450.0
172.5°	438.2	438.5	438.7	438.8	438.8	438.8	438.8	440.7	444.7	447.6	447.4
175°	441.4	441.4	441.4	441.4	440.5	439.4	438.8	440.1	442.5	444.4	444.4
177.5°	441.4	441.4	441.4	441.4	440.7	439.9	439.4	440.3	442.3	443.8	443.5
180°	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7
2.5°	3206.6	3197.7	3206.6	3200.7	3203.6	3194.7	3168.1	3159.2	3168.1	3177.0	3177.0
5°	3245.0	3239.1	3245.0	3245.0	3242.1	3236.2	3206.6	3200.7	3206.6	3209.5	3203.6
7.5°	3256.9	3248.0	3256.9	3250.9	3250.9	3245.0	3215.4	3209.5	3212.5	3221.4	3212.5
10°	3256.9	3248.0	3256.9	3253.9	3250.9	3245.0	3215.4	3203.6	3203.6	3212.5	3203.6
12.5°	3242.1	3236.2	3242.1	3236.2	3236.2	3230.2	3200.7	3188.8	3191.8	3194.7	3182.9
15°	3218.4	3209.5	3218.4	3212.5	3215.4	3206.6	3174.0	3162.2	3162.2	3168.1	3147.4
17.5°	3182.9	3171.1	3182.9	3179.9	3177.0	3171.1	3141.5	3129.7	3126.7	3129.7	3114.9
20°	3141.5	3132.6	3141.5	3138.5	3138.5	3126.7	3097.1	3082.3	3082.3	3082.3	3067.5
22.5°	3076.4	3067.5	3076.4	3082.3	3082.3	3079.4	3052.8	3032.0	3026.1	3026.1	3008.4
25°	3002.5	2993.6	3002.5	3002.5	2999.5	3002.5	2993.6	2981.8	2972.9	2964.0	2946.3
27.5°	2931.5	2925.6	2931.5	2925.6	2931.5	2922.6	2919.6	2916.7	2904.9	2896.0	2872.3
30°	2860.5	2854.6	2860.5	2854.6	2848.7	2842.7	2827.9	2822.0	2833.9	2827.9	2789.5
32.5°	2771.7	2765.8	2771.7	2771.7	2765.8	2765.8	2742.2	2733.3	2736.2	2754.0	2718.5
35°	2680.0	2671.2	2680.0	2677.1	2680.0	2671.2	2656.4	2653.4	2641.6	2662.3	2635.7
37.5°	2573.5	2564.6	2573.5	2573.5	2573.5	2579.4	2567.5	2558.7	2540.9	2567.5	2546.8
40°	2464.0	2452.2	2464.0	2461.1	2464.0	2469.9	2464.0	2458.1	2440.4	2461.1	2443.3
42.5°	2339.8	2336.8	2339.8	2342.7	2342.7	2354.6	2363.4	2351.6	2345.7	2330.9	2342.7
45°	2206.7	2200.8	2206.7	2212.6	2215.5	2221.5	2248.1	2248.1	2239.2	2215.5	2233.3
47.5°	2064.7	2049.9	2064.7	2082.4	2082.4	2091.3	2117.9	2138.6	2123.8	2094.3	2103.1
50°	1913.8	1916.8	1913.8	1925.7	1925.7	1958.2	1978.9	1999.6	2014.4	1978.9	1937.5
52.5°	1765.9	1763.0	1765.9	1774.8	1786.6	1801.4	1836.9	1857.6	1881.3	1860.6	1795.5
55°	1618.0	1623.9	1618.0	1621.0	1626.9	1635.8	1689.0	1709.7	1754.1	1727.5	1659.4
57.5°	1470.1	1461.3	1470.1	1476.0	1479.0	1487.9	1532.2	1570.7	1597.3	1600.3	1517.5
60°	1298.6	1286.7	1298.6	1325.2	1331.1	1337.0	1378.4	1413.9	1437.6	1446.5	1360.7
62.5°	1147.7	1127.0	1147.7	1165.5	1177.3	1192.1	1221.7	1274.9	1295.6	1298.6	1177.3
65°	988.0	979.1	988.0	1023.5	1026.4	1044.2	1076.7	1115.2	1159.5	1153.6	979.1
67.5°	843.0	843.0	843.0	866.7	884.4	893.3	934.7	952.5	1008.7	1014.6	816.4
70°	709.9	707.0	709.9	727.7	739.5	760.2	798.7	819.4	863.7	878.5	662.6
72.5°	582.7	579.8	582.7	597.5	609.3	627.1	659.6	683.3	721.8	739.5	514.7
75°	470.3	464.4	470.3	482.2	479.2	502.9	529.5	553.1	588.6	600.5	381.6
77.5°	360.9	360.9	360.9	372.7	372.7	396.4	408.2	437.8	458.5	476.2	281.0
80°	269.2	266.2	269.2	272.1	272.1	284.0	304.7	325.4	343.1	343.1	192.3
82.5°	189.3	183.4	189.3	189.3	189.3	195.2	207.1	213.0	224.8	233.7	121.3
85°	118.3	118.3	118.3	121.3	118.3	124.2	127.2	133.1	133.1	127.2	74.0
87.5°	76.9	74.0	76.9	74.0	74.0	71.0	71.0	71.0	68.0	65.1	41.4
90°	11.2	11.2	11.2	11.2	11.2	15.0	20.0	22.5	19.3	13.0	8.3
92.5°	45.2	36.2	45.2	54.0	56.3	79.8	111.1	126.8	111.3	80.4	57.2
95°	157.2	130.1	157.2	184.3	191.1	250.9	330.7	370.6	313.1	197.8	111.4
97.5°	376.7	325.0	376.7	428.2	441.1	479.0	529.4	554.6	458.6	266.4	122.4
100°	542.7	481.2	542.7	604.1	619.5	616.7	613.1	611.2	504.6	291.5	131.5
102.5°	705.9	653.2	705.9	758.5	771.7	723.5	659.3	627.2	519.1	302.9	140.7
105°	914.1	885.8	914.1	942.4	949.5	841.5	697.4	625.4	520.7	311.4	154.3
107.5°	1050.6	1057.4	1050.6	1043.7	1042.0	891.2	690.3	589.8	497.5	313.0	174.5
110°	1102.5	1132.0	1102.5	1073.1	1065.7	897.2	672.6	560.2	477.0	310.6	185.8



TEST NUMBER: P933978

CATALOG NUMBER: SQ4-FA-025U-075D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1107.2	1152.4	1107.2	1061.9	1050.6	878.1	648.3	533.3	459.1	310.7	199.4
115°	1077.8	1140.6	1077.8	1015.0	999.3	833.2	611.7	501.0	438.5	313.5	219.9
117.5°	1015.6	1085.2	1015.6	946.0	928.5	778.6	578.8	478.8	425.7	319.4	239.7
120°	965.4	1033.0	965.4	897.8	880.8	743.8	561.1	469.8	421.2	324.1	251.2
122.5°	916.6	983.3	916.6	849.7	833.1	709.7	545.3	463.0	419.0	330.9	264.8
125°	846.8	908.3	846.8	785.3	770.0	665.2	525.4	455.6	417.2	340.2	282.4
127.5°	784.2	836.0	784.2	732.3	719.3	629.4	509.4	449.4	416.1	349.3	299.3
130°	747.3	795.2	747.3	699.4	687.3	607.3	500.5	447.1	416.7	356.0	310.5
132.5°	713.8	756.7	713.8	670.9	660.1	588.4	492.8	445.0	417.2	361.5	319.7
135°	667.8	704.8	667.8	630.8	621.6	561.5	481.5	441.4	416.8	367.4	330.3
137.5°	630.9	661.3	630.9	600.7	593.1	542.3	474.7	440.8	419.3	376.3	343.9
140°	605.7	634.0	605.7	577.4	570.3	526.4	468.0	438.8	419.7	381.7	353.2
142.5°	584.8	609.2	584.8	560.4	554.3	515.8	464.4	438.8	421.2	386.2	360.0
145°	553.3	571.8	553.3	534.9	530.3	498.8	456.8	435.8	421.2	392.1	370.3
147.5°	529.3	544.6	529.3	514.0	510.2	485.4	452.4	435.8	424.2	400.8	383.4
150°	514.1	526.4	514.1	501.7	498.6	477.7	449.8	435.8	425.7	405.3	390.2
152.5°	501.1	510.5	501.1	491.8	489.5	471.6	447.7	435.8	426.6	408.3	394.6
155°	486.2	492.4	486.2	480.1	478.5	464.3	445.3	435.8	428.8	414.8	404.4
157.5°	474.5	478.8	474.5	470.0	468.9	457.9	443.2	435.8	431.0	421.4	414.2
160°	467.4	469.8	467.4	464.8	464.2	454.7	442.1	435.8	432.0	424.4	418.7
162.5°	462.7	465.1	462.7	460.4	459.8	451.8	441.1	435.8	433.1	427.5	423.4
165°	456.1	458.6	456.1	453.6	453.0	447.2	439.7	435.8	434.5	432.1	430.2
167.5°	451.3	452.4	451.3	450.3	450.0	446.3	441.2	438.8	437.7	435.6	434.0
170°	450.0	450.0	450.0	450.0	450.0	446.3	441.2	438.8	438.7	438.6	438.5
172.5°	446.5	445.6	446.5	447.4	447.6	444.7	440.7	438.8	438.8	438.8	438.8
175°	444.4	444.4	444.4	444.4	444.4	442.5	440.1	438.8	439.4	440.5	441.4
177.5°	442.5	441.4	442.5	443.5	443.8	442.3	440.3	439.4	439.9	440.7	441.4
180°	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4



TEST NUMBER: P933978

CATALOG NUMBER: SQ4-FA-025U-075D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7
2.5°	3171.1	3153.3	3153.3	3123.7	3111.9	3103.0	3088.3	3043.9	3032.0	3020.2	3038.0
5°	3197.7	3165.2	3141.5	3088.3	3043.9	3026.1	2969.9	2863.4	2792.5	2739.2	2709.6
7.5°	3203.6	3162.2	3117.8	3035.0	2928.5	2881.2	2709.6	2514.3	2461.1	2413.7	2384.1
10°	3197.7	3150.4	3088.3	2964.0	2712.6	2629.8	2458.1	2330.9	2298.4	2289.5	2298.4
12.5°	3177.0	3132.6	3046.8	2839.8	2487.7	2431.5	2330.9	2257.0	2251.0	2265.8	2345.7
15°	3141.5	3100.1	2999.5	2674.1	2363.4	2322.0	2251.0	2224.4	2257.0	2360.5	2600.1
17.5°	3106.0	3058.7	2934.4	2511.3	2268.8	2239.2	2188.9	2242.2	2425.6	2564.6	2644.6
20°	3058.7	3002.5	2860.5	2393.0	2200.8	2174.1	2150.5	2390.1	2529.1	2579.4	2623.8
22.5°	3002.5	2943.3	2759.9	2310.2	2129.8	2109.1	2123.8	2472.9	2529.1	2564.6	2603.0
25°	2928.5	2878.2	2641.6	2245.1	2073.6	2049.9	2106.1	2464.0	2496.6	2505.4	2582.3
27.5°	2860.5	2795.4	2517.3	2186.0	2005.5	1996.6	2120.9	2425.6	2449.2	2458.1	2540.9
30°	2777.7	2680.0	2378.2	2123.8	1934.5	1931.6	2123.8	2378.2	2372.3	2396.0	2478.8
32.5°	2691.9	2508.4	2221.5	2046.9	1866.5	1863.5	2103.1	2307.2	2301.3	2333.9	2396.0
35°	2612.0	2375.3	2008.5	1958.2	1780.7	1783.7	2052.9	2224.4	2227.4	2257.0	2295.4
37.5°	2529.1	2259.9	1774.8	1860.6	1697.9	1697.9	1984.8	2147.5	2141.6	2150.5	2203.7
40°	2431.5	2079.5	1567.7	1733.4	1621.0	1612.1	1902.0	2064.7	2044.0	2041.0	2115.0
42.5°	2327.9	1881.3	1413.9	1564.8	1532.2	1520.4	1801.4	1964.1	1925.7	1934.5	2029.2
45°	2215.5	1828.0	1295.6	1322.2	1440.5	1431.7	1692.0	1848.8	1822.1	1845.8	1943.4
47.5°	2103.1	1721.6	1257.2	1097.4	1342.9	1340.0	1570.7	1736.3	1721.6	1745.2	1848.8
50°	1949.3	1603.2	1254.2	940.6	1233.5	1245.3	1425.8	1626.9	1626.9	1647.6	1757.1
52.5°	1751.1	1458.3	1138.8	851.9	1106.3	1141.8	1298.6	1532.2	1538.2	1558.9	1656.5
55°	1570.7	1307.4	1056.0	783.9	955.4	1032.3	1174.3	1434.6	1446.5	1467.2	1555.9
57.5°	1405.0	1088.5	1038.3	704.0	816.4	890.4	1064.9	1340.0	1345.9	1363.6	1449.4
60°	1227.6	786.8	952.5	618.2	695.1	751.3	964.3	1227.6	1248.3	1260.1	1334.1
62.5°	1026.4	570.9	863.7	559.1	636.0	647.8	881.5	1121.1	1147.7	1156.6	1200.9
65°	730.6	479.2	733.6	508.8	573.9	576.8	792.7	1011.6	1035.3	1050.1	1082.6
67.5°	494.0	390.5	559.1	461.4	526.5	529.5	707.0	884.4	917.0	928.8	949.5
70°	343.1	260.3	414.1	411.2	473.3	479.2	615.3	769.1	798.7	807.5	819.4
72.5°	251.4	210.0	343.1	369.8	417.1	423.0	520.6	638.9	668.5	677.4	683.3
75°	192.3	221.8	278.1	322.4	355.0	357.9	426.0	520.6	541.3	547.2	550.2
77.5°	153.8	207.1	204.1	260.3	289.9	284.0	334.3	402.3	420.0	420.0	420.0
80°	115.4	162.7	153.8	186.4	213.0	207.1	239.6	286.9	292.8	298.8	295.8
82.5°	85.8	103.5	103.5	118.3	142.0	136.1	159.7	186.4	186.4	186.4	192.3
85°	53.2	59.2	47.3	62.1	79.9	76.9	88.7	100.6	103.5	103.5	97.6
87.5°	32.5	26.6	14.8	23.7	35.5	35.5	41.4	44.4	41.4	41.4	41.4
90°	7.7	5.3	3.0	5.3	7.7	8.3	13.0	19.3	22.5	20.0	15.0
92.5°	52.2	31.9	11.8	31.9	52.2	57.2	80.4	111.3	126.8	111.1	79.8
95°	102.1	65.3	28.4	65.3	102.1	111.4	197.8	313.1	370.6	330.7	250.9
97.5°	114.3	81.7	49.2	81.7	114.3	122.4	266.4	458.6	554.6	529.4	479.0
100°	124.1	94.7	65.2	94.7	124.1	131.5	291.5	504.6	611.2	613.1	616.7
102.5°	133.8	106.3	78.8	106.3	133.8	140.7	302.9	519.1	627.2	659.3	723.5
105°	148.5	125.2	102.0	125.2	148.5	154.3	311.4	520.7	625.4	697.4	841.5
107.5°	169.1	147.3	125.6	147.3	169.1	174.5	313.0	497.5	589.8	690.3	891.2
110°	180.8	161.2	141.6	161.2	180.8	185.8	310.6	477.0	560.2	672.6	897.2



TEST NUMBER: P933978

CATALOG NUMBER: SQ4-FA-025U-075D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	194.7	176.0	157.4	176.0	194.7	199.4	310.7	459.1	533.3	648.3	878.1
115°	215.5	198.3	181.0	198.3	215.5	219.9	313.5	438.5	501.0	611.7	833.2
117.5°	235.8	220.1	204.4	220.1	235.8	239.7	319.4	425.7	478.8	578.8	778.6
120°	247.6	232.8	218.0	232.8	247.6	251.2	324.1	421.2	469.8	561.1	743.8
122.5°	261.1	246.3	231.4	246.3	261.1	264.8	330.9	419.0	463.0	545.3	709.7
125°	279.0	265.4	251.8	265.4	279.0	282.4	340.2	417.2	455.6	525.4	665.2
127.5°	295.8	282.1	268.4	282.1	295.8	299.3	349.3	416.1	449.4	509.4	629.4
130°	306.8	292.1	277.3	292.1	306.8	310.5	356.0	416.7	447.1	500.5	607.3
132.5°	316.0	301.2	286.5	301.2	316.0	319.7	361.5	417.2	445.0	492.8	588.4
135°	327.0	313.5	300.1	313.5	327.0	330.3	367.4	416.8	441.4	481.5	561.5
137.5°	340.6	327.4	314.0	327.4	340.6	343.9	376.3	419.3	440.8	474.7	542.3
140°	350.1	337.8	325.6	337.8	350.1	353.2	381.7	419.7	438.8	468.0	526.4
142.5°	357.1	345.8	334.5	345.8	357.1	360.0	386.2	421.2	438.8	464.4	515.8
145°	367.9	358.0	348.2	358.0	367.9	370.3	392.1	421.2	435.8	456.8	498.8
147.5°	381.0	371.3	361.8	371.3	381.0	383.4	400.8	424.2	435.8	452.4	485.4
150°	388.0	379.3	370.6	379.3	388.0	390.2	405.3	425.7	435.8	449.8	477.7
152.5°	392.9	386.4	379.8	386.4	392.9	394.6	408.3	426.6	435.8	447.7	471.6
155°	403.2	398.2	393.4	398.2	403.2	404.4	414.8	428.8	435.8	445.3	464.3
157.5°	413.0	408.2	403.5	408.2	413.0	414.2	421.4	431.0	435.8	443.2	457.9
160°	417.8	414.0	410.4	414.0	417.8	418.7	424.4	432.0	435.8	442.1	454.7
162.5°	422.7	419.9	417.2	419.9	422.7	423.4	427.5	433.1	435.8	441.1	451.8
165°	429.6	427.0	424.6	427.0	429.6	430.2	432.1	434.5	435.8	439.7	447.2
167.5°	433.7	432.6	431.4	432.6	433.7	434.0	435.6	437.7	438.8	441.2	446.3
170°	438.2	437.0	435.8	437.0	438.2	438.5	438.6	438.7	438.8	441.2	446.3
172.5°	438.7	438.5	438.2	438.5	438.7	438.8	438.8	438.8	438.8	440.7	444.7
175°	441.4	441.4	441.4	441.4	441.4	441.4	440.5	439.4	438.8	440.1	442.5
177.5°	441.4	441.4	441.4	441.4	441.4	441.4	440.7	439.9	439.4	440.3	442.3
180°	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4



TEST NUMBER: P933978
 CATALOG NUMBER: SQ4-FA-025U-075D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7
2.5°	3017.3	3008.4	3020.2	2987.7	3020.2	3008.4	3017.3	3038.0	3020.2	3032.0	3043.9
5°	2647.5	2632.7	2585.3	2546.8	2585.3	2632.7	2647.5	2709.6	2739.2	2792.5	2863.4
7.5°	2366.4	2354.6	2342.7	2319.1	2342.7	2354.6	2366.4	2384.1	2413.7	2461.1	2514.3
10°	2304.3	2307.2	2325.0	2322.0	2325.0	2307.2	2304.3	2298.4	2289.5	2298.4	2330.9
12.5°	2464.0	2490.6	2588.2	2582.3	2588.2	2490.6	2464.0	2345.7	2265.8	2251.0	2257.0
15°	2647.5	2656.4	2677.1	2680.0	2677.1	2656.4	2647.5	2600.1	2360.5	2257.0	2224.4
17.5°	2665.3	2668.2	2683.0	2683.0	2683.0	2668.2	2665.3	2644.6	2564.6	2425.6	2242.2
20°	2650.5	2656.4	2686.0	2691.9	2686.0	2656.4	2650.5	2623.8	2579.4	2529.1	2390.1
22.5°	2644.6	2656.4	2680.0	2677.1	2680.0	2656.4	2644.6	2603.0	2564.6	2529.1	2472.9
25°	2615.0	2615.0	2617.9	2620.9	2617.9	2615.0	2615.0	2582.3	2505.4	2496.6	2464.0
27.5°	2552.8	2558.7	2576.4	2573.5	2576.4	2558.7	2552.8	2540.9	2458.1	2449.2	2425.6
30°	2496.6	2490.6	2475.8	2464.0	2475.8	2490.6	2496.6	2478.8	2396.0	2372.3	2378.2
32.5°	2401.9	2387.1	2372.3	2363.4	2372.3	2387.1	2401.9	2396.0	2333.9	2301.3	2307.2
35°	2289.5	2292.4	2289.5	2280.6	2289.5	2292.4	2289.5	2295.4	2257.0	2227.4	2224.4
37.5°	2209.6	2215.5	2212.6	2200.8	2212.6	2215.5	2209.6	2203.7	2150.5	2141.6	2147.5
40°	2126.8	2129.8	2126.8	2117.9	2126.8	2129.8	2126.8	2115.0	2041.0	2044.0	2064.7
42.5°	2046.9	2044.0	2035.1	2029.2	2035.1	2044.0	2046.9	2029.2	1934.5	1925.7	1964.1
45°	1955.2	1958.2	1940.4	1931.6	1940.4	1958.2	1955.2	1943.4	1845.8	1822.1	1848.8
47.5°	1863.5	1863.5	1848.8	1839.9	1848.8	1863.5	1863.5	1848.8	1745.2	1721.6	1736.3
50°	1765.9	1763.0	1742.3	1739.3	1742.3	1763.0	1765.9	1757.1	1647.6	1626.9	1626.9
52.5°	1653.5	1653.5	1656.5	1662.4	1656.5	1653.5	1653.5	1656.5	1558.9	1538.2	1532.2
55°	1555.9	1558.9	1579.6	1585.5	1579.6	1558.9	1555.9	1555.9	1467.2	1446.5	1434.6
57.5°	1455.3	1455.3	1470.1	1470.1	1470.1	1455.3	1455.3	1449.4	1363.6	1345.9	1340.0
60°	1340.0	1345.9	1357.7	1354.8	1357.7	1345.9	1340.0	1334.1	1260.1	1248.3	1227.6
62.5°	1218.7	1224.6	1227.6	1221.7	1227.6	1224.6	1218.7	1200.9	1156.6	1147.7	1121.1
65°	1091.5	1097.4	1100.4	1094.5	1100.4	1097.4	1091.5	1082.6	1050.1	1035.3	1011.6
67.5°	961.4	958.4	955.4	967.3	955.4	958.4	961.4	949.5	928.8	917.0	884.4
70°	828.2	828.2	825.3	831.2	825.3	828.2	828.2	819.4	807.5	798.7	769.1
72.5°	686.3	683.3	695.1	686.3	695.1	683.3	686.3	683.3	677.4	668.5	638.9
75°	547.2	553.1	547.2	556.1	547.2	553.1	547.2	550.2	547.2	541.3	520.6
77.5°	417.1	423.0	417.1	417.1	417.1	423.0	417.1	420.0	420.0	420.0	402.3
80°	295.8	292.8	292.8	289.9	292.8	292.8	295.8	295.8	298.8	292.8	286.9
82.5°	189.3	186.4	186.4	192.3	186.4	186.4	189.3	192.3	186.4	186.4	186.4
85°	103.5	106.5	100.6	100.6	100.6	106.5	103.5	97.6	103.5	103.5	100.6
87.5°	38.5	35.5	35.5	35.5	35.5	35.5	38.5	41.4	41.4	41.4	44.4
90°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	15.0	20.0	22.5	19.3
92.5°	56.3	54.0	45.2	36.2	45.2	54.0	56.3	79.8	111.1	126.8	111.3
95°	191.1	184.3	157.2	130.1	157.2	184.3	191.1	250.9	330.7	370.6	313.1
97.5°	441.1	428.2	376.7	325.0	376.7	428.2	441.1	479.0	529.4	554.6	458.6
100°	619.5	604.1	542.7	481.2	542.7	604.1	619.5	616.7	613.1	611.2	504.6
102.5°	771.7	758.5	705.9	653.2	705.9	758.5	771.7	723.5	659.3	627.2	519.1
105°	949.5	942.4	914.1	885.8	914.1	942.4	949.5	841.5	697.4	625.4	520.7
107.5°	1042.0	1043.7	1050.6	1057.4	1050.6	1043.7	1042.0	891.2	690.3	589.8	497.5
110°	1065.7	1073.1	1102.5	1132.0	1102.5	1073.1	1065.7	897.2	672.6	560.2	477.0



TEST NUMBER: P933978

CATALOG NUMBER: SQ4-FA-025U-075D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1050.6	1061.9	1107.2	1152.4	1107.2	1061.9	1050.6	878.1	648.3	533.3	459.1
115°	999.3	1015.0	1077.8	1140.6	1077.8	1015.0	999.3	833.2	611.7	501.0	438.5
117.5°	928.5	946.0	1015.6	1085.2	1015.6	946.0	928.5	778.6	578.8	478.8	425.7
120°	880.8	897.8	965.4	1033.0	965.4	897.8	880.8	743.8	561.1	469.8	421.2
122.5°	833.1	849.7	916.6	983.3	916.6	849.7	833.1	709.7	545.3	463.0	419.0
125°	770.0	785.3	846.8	908.3	846.8	785.3	770.0	665.2	525.4	455.6	417.2
127.5°	719.3	732.3	784.2	836.0	784.2	732.3	719.3	629.4	509.4	449.4	416.1
130°	687.3	699.4	747.3	795.2	747.3	699.4	687.3	607.3	500.5	447.1	416.7
132.5°	660.1	670.9	713.8	756.7	713.8	670.9	660.1	588.4	492.8	445.0	417.2
135°	621.6	630.8	667.8	704.8	667.8	630.8	621.6	561.5	481.5	441.4	416.8
137.5°	593.1	600.7	630.9	661.3	630.9	600.7	593.1	542.3	474.7	440.8	419.3
140°	570.3	577.4	605.7	634.0	605.7	577.4	570.3	526.4	468.0	438.8	419.7
142.5°	554.3	560.4	584.8	609.2	584.8	560.4	554.3	515.8	464.4	438.8	421.2
145°	530.3	534.9	553.3	571.8	553.3	534.9	530.3	498.8	456.8	435.8	421.2
147.5°	510.2	514.0	529.3	544.6	529.3	514.0	510.2	485.4	452.4	435.8	424.2
150°	498.6	501.7	514.1	526.4	514.1	501.7	498.6	477.7	449.8	435.8	425.7
152.5°	489.5	491.8	501.1	510.5	501.1	491.8	489.5	471.6	447.7	435.8	426.6
155°	478.5	480.1	486.2	492.4	486.2	480.1	478.5	464.3	445.3	435.8	428.8
157.5°	468.9	470.0	474.5	478.8	474.5	470.0	468.9	457.9	443.2	435.8	431.0
160°	464.2	464.8	467.4	469.8	467.4	464.8	464.2	454.7	442.1	435.8	432.0
162.5°	459.8	460.4	462.7	465.1	462.7	460.4	459.8	451.8	441.1	435.8	433.1
165°	453.0	453.6	456.1	458.6	456.1	453.6	453.0	447.2	439.7	435.8	434.5
167.5°	450.0	450.3	451.3	452.4	451.3	450.3	450.0	446.3	441.2	438.8	437.7
170°	450.0	450.0	450.0	450.0	450.0	450.0	450.0	446.3	441.2	438.8	438.7
172.5°	447.6	447.4	446.5	445.6	446.5	447.4	447.6	444.7	440.7	438.8	438.8
175°	444.4	444.4	444.4	444.4	444.4	444.4	444.4	442.5	440.1	438.8	439.4
177.5°	443.8	443.5	442.5	441.4	442.5	443.5	443.8	442.3	440.3	439.4	439.9
180°	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4



TEST NUMBER: P933978

CATALOG NUMBER: SQ4-FA-025U-075D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3126.7	3126.7	3126.7	3126.7	3126.7
2.5°	3088.3	3103.0	3111.9	3123.7	3153.3
5°	2969.9	3026.1	3043.9	3088.3	3141.5
7.5°	2709.6	2881.2	2928.5	3035.0	3117.8
10°	2458.1	2629.8	2712.6	2964.0	3088.3
12.5°	2330.9	2431.5	2487.7	2839.8	3046.8
15°	2251.0	2322.0	2363.4	2674.1	2999.5
17.5°	2188.9	2239.2	2268.8	2511.3	2934.4
20°	2150.5	2174.1	2200.8	2393.0	2860.5
22.5°	2123.8	2109.1	2129.8	2310.2	2759.9
25°	2106.1	2049.9	2073.6	2245.1	2641.6
27.5°	2120.9	1996.6	2005.5	2186.0	2517.3
30°	2123.8	1931.6	1934.5	2123.8	2378.2
32.5°	2103.1	1863.5	1866.5	2046.9	2221.5
35°	2052.9	1783.7	1780.7	1958.2	2008.5
37.5°	1984.8	1697.9	1697.9	1860.6	1774.8
40°	1902.0	1612.1	1621.0	1733.4	1567.7
42.5°	1801.4	1520.4	1532.2	1564.8	1413.9
45°	1692.0	1431.7	1440.5	1322.2	1295.6
47.5°	1570.7	1340.0	1342.9	1097.4	1257.2
50°	1425.8	1245.3	1233.5	940.6	1254.2
52.5°	1298.6	1141.8	1106.3	851.9	1138.8
55°	1174.3	1032.3	955.4	783.9	1056.0
57.5°	1064.9	890.4	816.4	704.0	1038.3
60°	964.3	751.3	695.1	618.2	952.5
62.5°	881.5	647.8	636.0	559.1	863.7
65°	792.7	576.8	573.9	508.8	733.6
67.5°	707.0	529.5	526.5	461.4	559.1
70°	615.3	479.2	473.3	411.2	414.1
72.5°	520.6	423.0	417.1	369.8	343.1
75°	426.0	357.9	355.0	322.4	278.1
77.5°	334.3	284.0	289.9	260.3	204.1
80°	239.6	207.1	213.0	186.4	153.8
82.5°	159.7	136.1	142.0	118.3	103.5
85°	88.7	76.9	79.9	62.1	47.3
87.5°	41.4	35.5	35.5	23.7	14.8
90°	13.0	8.3	7.7	5.3	3.0
92.5°	80.4	57.2	52.2	31.9	11.8
95°	197.8	111.4	102.1	65.3	28.4
97.5°	266.4	122.4	114.3	81.7	49.2
100°	291.5	131.5	124.1	94.7	65.2
102.5°	302.9	140.7	133.8	106.3	78.8
105°	311.4	154.3	148.5	125.2	102.0
107.5°	313.0	174.5	169.1	147.3	125.6
110°	310.6	185.8	180.8	161.2	141.6



TEST NUMBER: P933978

CATALOG NUMBER: SQ4-FA-025U-075D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	310.7	199.4	194.7	176.0	157.4
115°	313.5	219.9	215.5	198.3	181.0
117.5°	319.4	239.7	235.8	220.1	204.4
120°	324.1	251.2	247.6	232.8	218.0
122.5°	330.9	264.8	261.1	246.3	231.4
125°	340.2	282.4	279.0	265.4	251.8
127.5°	349.3	299.3	295.8	282.1	268.4
130°	356.0	310.5	306.8	292.1	277.3
132.5°	361.5	319.7	316.0	301.2	286.5
135°	367.4	330.3	327.0	313.5	300.1
137.5°	376.3	343.9	340.6	327.4	314.0
140°	381.7	353.2	350.1	337.8	325.6
142.5°	386.2	360.0	357.1	345.8	334.5
145°	392.1	370.3	367.9	358.0	348.2
147.5°	400.8	383.4	381.0	371.3	361.8
150°	405.3	390.2	388.0	379.3	370.6
152.5°	408.3	394.6	392.9	386.4	379.8
155°	414.8	404.4	403.2	398.2	393.4
157.5°	421.4	414.2	413.0	408.2	403.5
160°	424.4	418.7	417.8	414.0	410.4
162.5°	427.5	423.4	422.7	419.9	417.2
165°	432.1	430.2	429.6	427.0	424.6
167.5°	435.6	434.0	433.7	432.6	431.4
170°	438.6	438.5	438.2	437.0	435.8
172.5°	438.8	438.8	438.7	438.5	438.2
175°	440.5	441.4	441.4	441.4	441.4
177.5°	440.7	441.4	441.4	441.4	441.4
180°	441.4	441.4	441.4	441.4	441.4



TEST NUMBER: P933978
 CATALOG NUMBER: SQ4-FA-025U-075D-B2750-1D-UNV-STD-W-12-3000K

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	14.66	15.79	15.38	16.53	17.41	17.51	18.64	18.23	19.38	20.26
	3H	15.16	16.17	15.89	16.92	17.84	18.88	19.90	19.62	20.65	21.56
	4H	15.36	16.31	16.11	17.08	18.00	19.34	20.30	20.10	21.06	21.99
	6H	15.49	16.37	16.26	17.14	18.08	19.65	20.53	20.41	21.30	22.24
	8H	15.50	16.34	16.28	17.13	18.07	19.73	20.57	20.51	21.36	22.31
	12H	15.48	16.28	16.26	17.07	18.04	19.78	20.58	20.57	21.37	22.34
4H	2H	15.73	16.68	16.49	17.45	18.37	17.95	18.91	18.71	19.67	20.59
	3H	16.78	17.58	17.55	18.37	19.32	19.49	20.28	20.26	21.08	22.02
	4H	17.07	17.79	17.85	18.59	19.56	20.03	20.75	20.82	21.55	22.52
	6H	17.21	17.83	18.01	18.66	19.64	20.42	21.04	21.22	21.87	22.84
	8H	17.22	17.81	18.03	18.62	19.61	20.53	21.12	21.34	21.94	22.93
	12H	17.20	17.73	18.03	18.57	19.56	20.61	21.13	21.43	21.97	22.97
8H	4H	17.55	18.13	18.35	18.95	19.94	20.18	20.76	20.98	21.58	22.57
	6H	17.82	18.30	18.65	19.16	20.16	20.63	21.11	21.47	21.97	22.97
	8H	17.86	18.30	18.71	19.15	20.16	20.79	21.22	21.63	22.07	23.08
	12H	17.86	18.24	18.71	19.09	20.15	20.90	21.28	21.75	22.13	23.19
12H	4H	17.57	18.09	18.39	18.93	19.93	20.15	20.68	20.98	21.52	22.52
	6H	17.88	18.31	18.73	19.17	20.18	20.63	21.06	21.48	21.92	22.93
	8H	17.96	18.34	18.81	19.19	20.25	20.81	21.19	21.66	22.03	23.10