

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: P934030

Luminaire Tested: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-6500K

Issue Date: 12/17/2024

**Test Information**

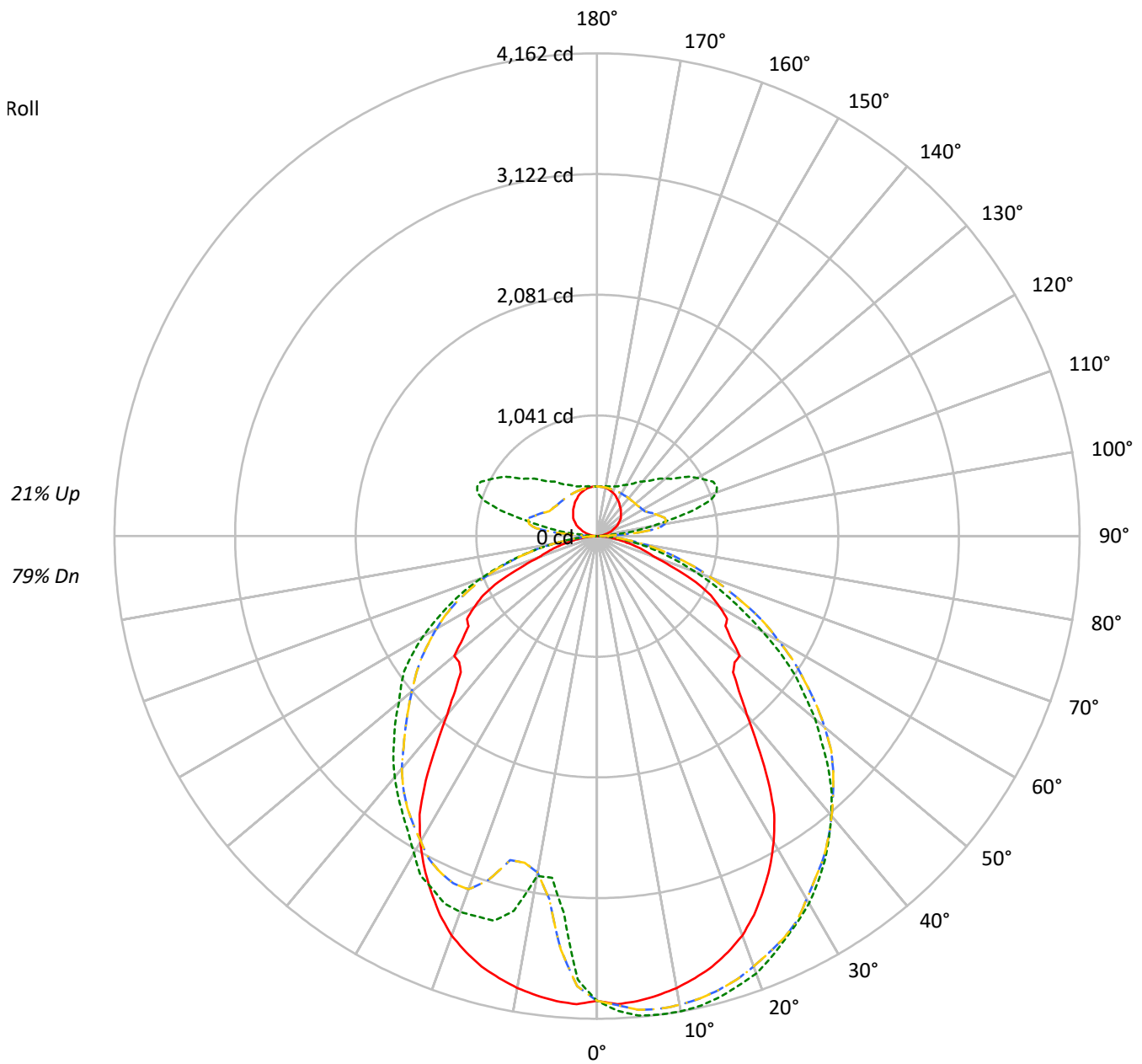
Test Method: LM-79-2019  
Report Number: P934030  
REPORT IS A COMBINATION OF REPORTS P933681 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-6500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13163.9 lumens  
Efficiency: N/A  
Efficacy: 113.1 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): 116.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	114	114	114	114	109	109	109	109	99	99	99	91	91	91	83	83	83	79			79
1	104	100	96	92	100	96	92	89	88	85	82	80	78	76	73	72	70	67			67
2	95	87	81	76	91	84	78	73	77	72	68	70	67	64	65	62	59	56			56
3	87	77	69	63	83	74	67	61	68	62	57	62	58	54	57	54	50	47			47
4	79	68	60	53	76	65	58	52	60	54	49	56	50	46	51	47	43	41			41
5	73	61	52	46	70	58	51	45	54	47	42	50	44	40	46	41	38	35			35
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33	31			31
7	62	50	41	35	59	48	40	34	44	38	33	41	35	31	38	33	30	27			27
8	58	45	37	31	55	44	36	31	40	34	29	38	32	28	35	30	26	24			24
9	54	41	33	28	52	40	33	27	37	31	26	35	29	25	32	27	24	22			22
10	51	38	30	25	48	37	30	25	34	28	24	32	27	23	30	25	22	20			20

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

	0°	90°	180°	270°
0°	12391	12391	12391	12391
5°	12488	12509	12488	9835
10°	12409	12321	12409	8809
15°	12279	12054	12279	10066
20°	12027	11738	12027	10087
25°	11506	11277	11506	9873
30°	10831	10894	10831	9404
35°	9661	10409	9661	8888
40°	8055	9840	8055	8498
45°	7201	9172	7201	8050
50°	7657	8376	7657	7601
55°	7210	7518	7210	7340
60°	7442	6385	7442	6723
65°	6758	5278	6758	5901
70°	4691	4206	4691	4946
75°	4130	3109	4130	3724
80°	3352	2056	3352	2238
85°	1964	1089	1964	926

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11030 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	361.6	2.7
10°-20°	1026.7	7.8
20°-30°	1587.2	12.1
30°-40°	1894.7	14.4
40°-50°	1905.8	14.5
50°-60°	1658.3	12.6
60°-70°	1175.8	8.9
70°-80°	622.0	4.7
80°-90°	156.6	1.2
90°-100°	208.7	1.6
100°-110°	548.6	4.2
110°-120°	568.9	4.3
120°-130°	456.3	3.5
130°-140°	358.0	2.7
140°-150°	274.8	2.1
150°-160°	197.9	1.5
160°-170°	121.1	0.9
170°-180°	40.9	0.3
0°-30°	2975.5	22.6
0°-40°	4870.3	37.0
0°-60°	8434.4	64.1
0°-90°	10388.8	78.9
90°-120°	1326.1	10.1
90°-150°	2415.3	18.3
90°-180°	2775.0	21.1
0°-180°	13163.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4006	4006	4006	4006	4006	
5°	4025	4150	4025	3263	4025	382
15°	3843	4112	3843	3434	3843	1081
25°	3384	3836	3384	3358	3384	1554
35°	2574	3422	2574	2922	2574	1592
45°	1660	2820	1660	2475	1660	1330
55°	1353	2081	1353	2031	1353	1243
65°	940	1254	940	1402	940	898
75°	356	595	356	713	356	375
85°	61	152	61	129	61	82
90°	3	11	3	11	3	5
95°	28	126	28	126	28	31
105°	99	859	99	859	99	105
115°	176	1106	176	1106	176	173
125°	244	881	244	881	244	217
135°	291	684	291	684	291	225
145°	338	554	338	554	338	211
155°	382	478	382	478	382	175
165°	412	445	412	445	412	116
175°	428	431	428	431	428	41
180°	428	428	428	428	428	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	4040.2	4040.2	4063.0	4070.5	4070.5	4059.1	4047.8	4059.1	4093.3	4104.6	4100.8
5°	4025.1	4055.4	4097.1	4104.6	4112.2	4108.5	4100.8	4108.5	4146.3	4153.9	4157.7
7.5°	3994.7	4051.6	4104.6	4116.0	4127.4	4116.0	4112.2	4119.9	4157.7	4165.3	4165.3
10°	3956.8	4036.5	4097.1	4104.6	4116.0	4104.6	4104.6	4119.9	4157.7	4165.3	4169.1
12.5°	3903.8	4013.7	4070.5	4078.2	4093.3	4089.4	4085.7	4100.8	4138.8	4146.3	4146.3
15°	3843.1	3972.0	4025.1	4032.6	4059.1	4051.6	4051.6	4066.8	4108.5	4119.9	4116.0
17.5°	3759.8	3919.0	3979.6	3991.0	4009.9	4006.1	4009.9	4025.1	4063.0	4070.5	4074.3
20°	3665.0	3847.0	3919.0	3930.3	3949.3	3949.3	3949.3	3968.2	4006.1	4021.3	4021.3
22.5°	3536.1	3771.1	3847.0	3854.5	3877.3	3877.3	3884.8	3911.3	3945.4	3949.3	3949.3
25°	3384.5	3687.7	3752.2	3775.0	3797.6	3809.0	3820.4	3835.6	3847.0	3843.1	3847.0
27.5°	3225.3	3581.6	3665.0	3680.2	3710.5	3721.9	3737.0	3740.8	3744.5	3755.9	3748.4
30°	3047.2	3433.8	3558.9	3574.1	3623.3	3630.9	3615.7	3623.3	3642.2	3649.9	3657.4
32.5°	2846.3	3214.0	3449.0	3483.0	3528.5	3505.8	3502.1	3513.4	3543.7	3543.7	3551.3
35°	2573.5	3043.5	3346.7	3377.0	3411.0	3384.5	3399.6	3403.5	3422.4	3433.8	3430.1
37.5°	2274.0	2895.6	3240.5	3263.3	3289.8	3255.6	3278.4	3289.8	3305.0	3297.3	3297.3
40°	2008.8	2664.4	3115.5	3130.6	3153.3	3126.8	3149.5	3157.2	3164.7	3157.2	3153.3
42.5°	1811.7	2410.5	2982.7	3001.8	2986.6	3005.5	3013.1	3028.3	3016.9	3001.8	3001.8
45°	1660.0	2342.3	2838.7	2861.5	2838.7	2869.1	2880.4	2880.4	2846.3	2838.7	2835.0
47.5°	1610.8	2205.8	2694.7	2694.7	2683.4	2721.2	2740.3	2713.7	2679.5	2668.3	2668.3
50°	1607.0	2054.2	2497.7	2482.5	2535.5	2581.1	2562.1	2535.5	2509.1	2467.4	2467.4
52.5°	1459.2	1868.5	2243.7	2300.6	2384.0	2410.5	2380.2	2353.7	2308.2	2289.2	2274.0
55°	1353.0	1675.3	2012.5	2126.2	2213.4	2247.5	2190.6	2164.2	2095.9	2084.5	2076.9
57.5°	1330.4	1394.7	1800.3	1944.3	2050.5	2046.6	2012.5	1963.3	1906.4	1895.1	1891.3
60°	1220.4	1008.1	1572.8	1743.4	1853.4	1842.0	1811.7	1766.2	1713.1	1705.6	1697.9
62.5°	1106.7	731.5	1315.1	1508.5	1663.9	1660.0	1633.6	1565.3	1527.4	1508.5	1493.3
65°	939.9	614.0	936.1	1254.5	1478.1	1485.7	1428.8	1379.6	1337.9	1315.1	1311.3
67.5°	716.3	500.3	632.9	1046.1	1300.0	1292.4	1220.4	1197.6	1144.6	1133.2	1110.5
70°	530.6	333.5	439.7	849.0	1125.6	1106.7	1049.8	1023.3	974.1	947.5	932.4
72.5°	439.7	269.1	322.1	659.5	947.5	924.7	875.5	845.2	803.5	780.7	765.6
75°	356.3	284.3	246.3	488.9	769.4	754.2	708.7	678.4	644.3	614.0	617.8
77.5°	261.5	265.3	197.1	360.1	610.2	587.5	560.9	523.0	507.8	477.5	477.5
80°	197.1	208.5	147.8	246.3	439.7	439.7	416.9	390.4	363.8	348.7	348.7
82.5°	132.6	132.6	109.9	155.4	299.4	288.0	272.9	265.3	250.1	242.6	242.6
85°	60.6	75.8	68.2	94.8	162.9	170.6	170.6	162.9	159.2	151.6	155.4
87.5°	18.9	34.1	41.7	53.1	83.4	87.2	90.9	90.9	90.9	94.8	94.8
90°	2.9	5.2	7.5	8.0	12.6	18.7	21.8	19.4	14.5	10.9	10.9
92.5°	11.5	31.0	50.6	55.5	77.9	108.0	123.0	107.8	77.4	54.6	52.4
95°	27.5	63.3	99.1	108.0	191.8	303.6	359.4	320.7	243.4	185.3	178.7
97.5°	47.7	79.3	110.8	118.7	258.4	444.7	537.9	513.4	464.5	427.8	415.3
100°	63.2	91.8	120.4	127.6	282.7	489.4	592.7	594.6	598.1	600.8	585.9
102.5°	76.4	103.1	129.8	136.4	293.7	503.4	608.2	639.4	701.7	748.4	735.6
105°	98.9	121.4	144.0	149.6	302.0	505.0	606.5	676.3	816.0	920.8	913.9
107.5°	121.8	142.9	164.0	169.2	303.5	482.5	572.0	669.4	864.3	1010.5	1012.1
110°	137.3	156.3	175.4	180.1	301.2	462.6	543.3	652.2	870.0	1033.5	1040.6



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	152.6	170.7	188.8	193.3	301.3	445.2	517.2	628.7	851.6	1018.8	1029.8
115°	175.6	192.3	209.0	213.2	304.1	425.2	485.8	593.2	808.0	969.1	984.3
117.5°	198.2	213.4	228.6	232.5	309.7	412.8	464.3	561.3	755.1	900.4	917.4
120°	211.4	225.8	240.1	243.6	314.3	408.5	455.6	544.2	721.4	854.2	870.6
122.5°	224.4	238.9	253.2	256.8	320.9	406.3	449.0	528.8	688.3	807.9	824.0
125°	244.2	257.4	270.6	273.9	329.9	404.6	441.9	509.6	645.0	746.7	761.6
127.5°	260.3	273.6	286.9	290.2	338.8	403.5	435.8	494.0	610.3	697.5	710.2
130°	268.9	283.2	297.6	301.1	345.3	404.1	433.5	485.4	588.9	666.6	678.2
132.5°	277.9	292.1	306.5	310.0	350.5	404.6	431.5	477.9	570.7	640.2	650.6
135°	291.1	304.1	317.1	320.3	356.3	404.2	428.1	466.9	544.6	602.8	611.8
137.5°	304.5	317.5	330.3	333.5	364.9	406.7	427.5	460.3	525.9	575.2	582.5
140°	315.7	327.6	339.5	342.5	370.1	407.1	425.5	453.8	510.5	553.1	559.9
142.5°	324.3	335.3	346.3	349.1	374.5	408.5	425.5	450.4	500.2	537.6	543.5
145°	337.6	347.2	356.8	359.1	380.3	408.5	422.6	443.0	483.7	514.2	518.7
147.5°	350.8	360.1	369.5	371.8	388.7	411.4	422.6	438.7	470.7	494.7	498.5
150°	359.4	367.8	376.3	378.4	393.1	412.8	422.6	436.2	463.3	483.5	486.5
152.5°	368.3	374.7	381.0	382.7	396.0	413.7	422.6	434.2	457.3	474.7	476.9
155°	381.5	386.2	391.0	392.1	402.3	415.8	422.6	431.8	450.3	464.0	465.6
157.5°	391.3	395.9	400.5	401.7	408.7	418.0	422.6	429.8	444.1	454.8	455.8
160°	398.0	401.5	405.1	406.0	411.5	418.9	422.6	428.8	441.0	450.2	450.7
162.5°	404.6	407.2	409.9	410.6	414.6	420.0	422.6	427.8	438.1	445.9	446.4
165°	411.7	414.1	416.6	417.2	419.0	421.4	422.6	426.4	433.7	439.3	439.8
167.5°	418.3	419.5	420.6	420.9	422.4	424.5	425.5	427.9	432.8	436.4	436.7
170°	422.6	423.8	424.9	425.2	425.3	425.4	425.5	427.9	432.8	436.4	436.4
172.5°	424.9	425.2	425.4	425.5	425.5	425.5	425.5	427.4	431.2	434.1	433.9
175°	428.1	428.1	428.1	428.1	427.2	426.1	425.5	426.7	429.1	431.0	431.0
177.5°	428.1	428.1	428.1	428.1	427.4	426.6	426.1	427.0	428.9	430.4	430.1
180°	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	4108.5	4097.1	4108.5	4100.8	4104.6	4093.3	4059.1	4047.8	4059.1	4070.5	4070.5
5°	4157.7	4150.2	4157.7	4157.7	4153.9	4146.3	4108.5	4100.8	4108.5	4112.2	4104.6
7.5°	4172.8	4161.5	4172.8	4165.3	4165.3	4157.7	4119.9	4112.2	4116.0	4127.4	4116.0
10°	4172.8	4161.5	4172.8	4169.1	4165.3	4157.7	4119.9	4104.6	4104.6	4116.0	4104.6
12.5°	4153.9	4146.3	4153.9	4146.3	4146.3	4138.8	4100.8	4085.7	4089.4	4093.3	4078.2
15°	4123.6	4112.2	4123.6	4116.0	4119.9	4108.5	4066.8	4051.6	4051.6	4059.1	4032.6
17.5°	4078.2	4063.0	4078.2	4074.3	4070.5	4063.0	4025.1	4009.9	4006.1	4009.9	3991.0
20°	4025.1	4013.7	4025.1	4021.3	4021.3	4006.1	3968.2	3949.3	3949.3	3949.3	3930.3
22.5°	3941.7	3930.3	3941.7	3949.3	3949.3	3945.4	3911.3	3884.8	3877.3	3877.3	3854.5
25°	3847.0	3835.6	3847.0	3847.0	3843.1	3847.0	3835.6	3820.4	3809.0	3797.6	3775.0
27.5°	3755.9	3748.4	3755.9	3748.4	3755.9	3744.5	3740.8	3737.0	3721.9	3710.5	3680.2
30°	3665.0	3657.4	3665.0	3657.4	3649.9	3642.2	3623.3	3615.7	3630.9	3623.3	3574.1
32.5°	3551.3	3543.7	3551.3	3551.3	3543.7	3543.7	3513.4	3502.1	3505.8	3528.5	3483.0
35°	3433.8	3422.4	3433.8	3430.1	3433.8	3422.4	3403.5	3399.6	3384.5	3411.0	3377.0
37.5°	3297.3	3286.0	3297.3	3297.3	3297.3	3305.0	3289.8	3278.4	3255.6	3289.8	3263.3
40°	3157.2	3142.0	3157.2	3153.3	3157.2	3164.7	3157.2	3149.5	3126.8	3153.3	3130.6
42.5°	2998.0	2994.1	2998.0	3001.8	3001.8	3016.9	3028.3	3013.1	3005.5	2986.6	3001.8
45°	2827.4	2819.8	2827.4	2835.0	2838.7	2846.3	2880.4	2880.4	2869.1	2838.7	2861.5
47.5°	2645.5	2626.6	2645.5	2668.3	2668.3	2679.5	2713.7	2740.3	2721.2	2683.4	2694.7
50°	2452.2	2456.0	2452.2	2467.4	2467.4	2509.1	2535.5	2562.1	2581.1	2535.5	2482.5
52.5°	2262.6	2258.9	2262.6	2274.0	2289.2	2308.2	2353.7	2380.2	2410.5	2384.0	2300.6
55°	2073.1	2080.8	2073.1	2076.9	2084.5	2095.9	2164.2	2190.6	2247.5	2213.4	2126.2
57.5°	1883.7	1872.3	1883.7	1891.3	1895.1	1906.4	1963.3	2012.5	2046.6	2050.5	1944.3
60°	1663.9	1648.7	1663.9	1697.9	1705.6	1713.1	1766.2	1811.7	1842.0	1853.4	1743.4
62.5°	1470.5	1444.0	1470.5	1493.3	1508.5	1527.4	1565.3	1633.6	1660.0	1663.9	1508.5
65°	1265.9	1254.5	1265.9	1311.3	1315.1	1337.9	1379.6	1428.8	1485.7	1478.1	1254.5
67.5°	1080.2	1080.2	1080.2	1110.5	1133.2	1144.6	1197.6	1220.4	1292.4	1300.0	1046.1
70°	909.6	905.8	909.6	932.4	947.5	974.1	1023.3	1049.8	1106.7	1125.6	849.0
72.5°	746.7	742.9	746.7	765.6	780.7	803.5	845.2	875.5	924.7	947.5	659.5
75°	602.6	595.0	602.6	617.8	614.0	644.3	678.4	708.7	754.2	769.4	488.9
77.5°	462.4	462.4	462.4	477.5	477.5	507.8	523.0	560.9	587.5	610.2	360.1
80°	344.9	341.1	344.9	348.7	348.7	363.8	390.4	416.9	439.7	439.7	246.3
82.5°	242.6	234.9	242.6	242.6	242.6	250.1	265.3	272.9	288.0	299.4	155.4
85°	151.6	151.6	151.6	155.4	151.6	159.2	162.9	170.6	170.6	162.9	94.8
87.5°	98.6	94.8	98.6	94.8	94.8	90.9	90.9	90.9	87.2	83.4	53.1
90°	10.9	10.9	10.9	10.9	10.9	14.5	19.4	21.8	18.7	12.6	8.0
92.5°	43.8	35.1	43.8	52.4	54.6	77.4	107.8	123.0	108.0	77.9	55.5
95°	152.4	126.1	152.4	178.7	185.3	243.4	320.7	359.4	303.6	191.8	108.0
97.5°	365.3	315.2	365.3	415.3	427.8	464.5	513.4	537.9	444.7	258.4	118.7
100°	526.3	466.6	526.3	585.9	600.8	598.1	594.6	592.7	489.4	282.7	127.6
102.5°	684.5	633.5	684.5	735.6	748.4	701.7	639.4	608.2	503.4	293.7	136.4
105°	886.5	859.0	886.5	913.9	920.8	816.0	676.3	606.5	505.0	302.0	149.6
107.5°	1018.8	1025.4	1018.8	1012.1	1010.5	864.3	669.4	572.0	482.5	303.5	169.2
110°	1069.2	1097.8	1069.2	1040.6	1033.5	870.0	652.2	543.3	462.6	301.2	180.1





TEST NUMBER: P934030

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1073.7	1117.6	1073.7	1029.8	1018.8	851.6	628.7	517.2	445.2	301.3	193.3
115°	1045.2	1106.1	1045.2	984.3	969.1	808.0	593.2	485.8	425.2	304.1	213.2
117.5°	984.9	1052.4	984.9	917.4	900.4	755.1	561.3	464.3	412.8	309.7	232.5
120°	936.2	1001.8	936.2	870.6	854.2	721.4	544.2	455.6	408.5	314.3	243.6
122.5°	888.9	953.6	888.9	824.0	807.9	688.3	528.8	449.0	406.3	320.9	256.8
125°	821.2	880.8	821.2	761.6	746.7	645.0	509.6	441.9	404.6	329.9	273.9
127.5°	760.5	810.8	760.5	710.2	697.5	610.3	494.0	435.8	403.5	338.8	290.2
130°	724.7	771.2	724.7	678.2	666.6	588.9	485.4	433.5	404.1	345.3	301.1
132.5°	692.2	733.8	692.2	650.6	640.2	570.7	477.9	431.5	404.6	350.5	310.0
135°	647.6	683.5	647.6	611.8	602.8	544.6	466.9	428.1	404.2	356.3	320.3
137.5°	611.9	641.3	611.9	582.5	575.2	525.9	460.3	427.5	406.7	364.9	333.5
140°	587.4	614.8	587.4	559.9	553.1	510.5	453.8	425.5	407.1	370.1	342.5
142.5°	567.1	590.7	567.1	543.5	537.6	500.2	450.4	425.5	408.5	374.5	349.1
145°	536.6	554.5	536.6	518.7	514.2	483.7	443.0	422.6	408.5	380.3	359.1
147.5°	513.3	528.1	513.3	498.5	494.7	470.7	438.7	422.6	411.4	388.7	371.8
150°	498.6	510.5	498.6	486.5	483.5	463.3	436.2	422.6	412.8	393.1	378.4
152.5°	485.9	495.0	485.9	476.9	474.7	457.3	434.2	422.6	413.7	396.0	382.7
155°	471.5	477.5	471.5	465.6	464.0	450.3	431.8	422.6	415.8	402.3	392.1
157.5°	460.1	464.3	460.1	455.8	454.8	444.1	429.8	422.6	418.0	408.7	401.7
160°	453.2	455.6	453.2	450.7	450.2	441.0	428.8	422.6	418.9	411.5	406.0
162.5°	448.7	451.0	448.7	446.4	445.9	438.1	427.8	422.6	420.0	414.6	410.6
165°	442.3	444.7	442.3	439.8	439.3	433.7	426.4	422.6	421.4	419.0	417.2
167.5°	437.6	438.7	437.6	436.7	436.4	432.8	427.9	425.5	424.5	422.4	420.9
170°	436.4	436.4	436.4	436.4	436.4	432.8	427.9	425.5	425.4	425.3	425.2
172.5°	433.0	432.1	433.0	433.9	434.1	431.2	427.4	425.5	425.5	425.5	425.5
175°	431.0	431.0	431.0	431.0	431.0	429.1	426.7	425.5	426.1	427.2	428.1
177.5°	429.1	428.1	429.1	430.1	430.4	428.9	427.0	426.1	426.6	427.4	428.1
180°	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1



TEST NUMBER: P934030

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	4063.0	4040.2	4040.2	4002.3	3987.1	3975.8	3956.8	3900.0	3884.8	3869.6	3892.4
5°	4097.1	4055.4	4025.1	3956.8	3900.0	3877.3	3805.3	3668.8	3577.8	3509.6	3471.7
7.5°	4104.6	4051.6	3994.7	3888.6	3752.2	3691.6	3471.7	3221.6	3153.3	3092.7	3054.7
10°	4097.1	4036.5	3956.8	3797.6	3475.5	3369.3	3149.5	2986.6	2944.9	2933.5	2944.9
12.5°	4070.5	4013.7	3903.8	3638.5	3187.5	3115.5	2986.6	2891.8	2884.3	2903.2	3005.5
15°	4025.1	3972.0	3843.1	3426.2	3028.3	2975.2	2884.3	2850.1	2891.8	3024.4	3331.5
17.5°	3979.6	3919.0	3759.8	3217.8	2907.0	2869.1	2804.6	2872.9	3107.8	3286.0	3388.4
20°	3919.0	3847.0	3665.0	3066.1	2819.8	2785.7	2755.4	3062.4	3240.5	3305.0	3361.8
22.5°	3847.0	3771.1	3536.1	2960.1	2728.9	2702.3	2721.2	3168.5	3240.5	3286.0	3335.3
25°	3752.2	3687.7	3384.5	2876.7	2656.9	2626.6	2698.6	3157.2	3198.8	3210.2	3308.7
27.5°	3665.0	3581.6	3225.3	2800.9	2569.7	2558.3	2717.5	3107.8	3138.2	3149.5	3255.6
30°	3558.9	3433.8	3047.2	2721.2	2478.7	2474.9	2721.2	3047.2	3039.6	3070.0	3176.1
32.5°	3449.0	3214.0	2846.3	2622.7	2391.5	2387.7	2694.7	2956.3	2948.7	2990.4	3070.0
35°	3346.7	3043.5	2573.5	2509.1	2281.7	2285.4	2630.3	2850.1	2853.9	2891.8	2941.1
37.5°	3240.5	2895.6	2274.0	2384.0	2175.5	2175.5	2543.1	2751.6	2744.0	2755.4	2823.6
40°	3115.5	2664.4	2008.8	2220.9	2076.9	2065.6	2437.0	2645.5	2618.9	2615.2	2709.9
42.5°	2982.7	2410.5	1811.7	2004.9	1963.3	1948.1	2308.2	2516.6	2467.4	2478.7	2600.0
45°	2838.7	2342.3	1660.0	1694.2	1845.7	1834.4	2167.9	2368.8	2334.6	2365.0	2490.1
47.5°	2694.7	2205.8	1610.8	1406.1	1720.7	1716.9	2012.5	2224.8	2205.8	2236.2	2368.8
50°	2497.7	2054.2	1607.0	1205.3	1580.5	1595.6	1826.8	2084.5	2084.5	2111.1	2251.3
52.5°	2243.7	1868.5	1459.2	1091.5	1417.5	1463.0	1663.9	1963.3	1970.8	1997.4	2122.5
55°	2012.5	1675.3	1353.0	1004.4	1224.2	1322.7	1504.7	1838.2	1853.4	1879.9	1993.6
57.5°	1800.3	1394.7	1330.4	902.1	1046.1	1140.8	1364.4	1716.9	1724.5	1747.3	1857.1
60°	1572.8	1008.1	1220.4	792.1	890.7	962.7	1235.6	1572.8	1599.4	1614.5	1709.3
62.5°	1315.1	731.5	1106.7	716.3	814.9	830.1	1129.5	1436.4	1470.5	1481.9	1538.8
65°	936.1	614.0	939.9	651.9	735.3	739.0	1015.8	1296.2	1326.5	1345.5	1387.1
67.5°	632.9	500.3	716.3	591.2	674.6	678.4	905.8	1133.2	1174.9	1190.1	1216.7
70°	439.7	333.5	530.6	526.9	606.4	614.0	788.4	985.5	1023.3	1034.7	1049.8
72.5°	322.1	269.1	439.7	473.8	534.4	542.0	667.0	818.7	856.6	867.9	875.5
75°	246.3	284.3	356.3	413.1	454.8	458.6	545.8	667.0	693.6	701.2	704.9
77.5°	197.1	265.3	261.5	333.5	371.4	363.8	428.3	515.5	538.1	538.1	538.1
80°	147.8	208.5	197.1	238.8	272.9	265.3	307.0	367.7	375.2	382.8	379.0
82.5°	109.9	132.6	132.6	151.6	182.0	174.3	204.6	238.8	238.8	238.8	246.3
85°	68.2	75.8	60.6	79.6	102.3	98.6	113.7	128.9	132.6	132.6	125.1
87.5°	41.7	34.1	18.9	30.3	45.5	45.5	53.1	56.9	53.1	53.1	53.1
90°	7.5	5.2	2.9	5.2	7.5	8.0	12.6	18.7	21.8	19.4	14.5
92.5°	50.6	31.0	11.5	31.0	50.6	55.5	77.9	108.0	123.0	107.8	77.4
95°	99.1	63.3	27.5	63.3	99.1	108.0	191.8	303.6	359.4	320.7	243.4
97.5°	110.8	79.3	47.7	79.3	110.8	118.7	258.4	444.7	537.9	513.4	464.5
100°	120.4	91.8	63.2	91.8	120.4	127.6	282.7	489.4	592.7	594.6	598.1
102.5°	129.8	103.1	76.4	103.1	129.8	136.4	293.7	503.4	608.2	639.4	701.7
105°	144.0	121.4	98.9	121.4	144.0	149.6	302.0	505.0	606.5	676.3	816.0
107.5°	164.0	142.9	121.8	142.9	164.0	169.2	303.5	482.5	572.0	669.4	864.3
110°	175.4	156.3	137.3	156.3	175.4	180.1	301.2	462.6	543.3	652.2	870.0



TEST NUMBER: P934030

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	188.8	170.7	152.6	170.7	188.8	193.3	301.3	445.2	517.2	628.7	851.6
115°	209.0	192.3	175.6	192.3	209.0	213.2	304.1	425.2	485.8	593.2	808.0
117.5°	228.6	213.4	198.2	213.4	228.6	232.5	309.7	412.8	464.3	561.3	755.1
120°	240.1	225.8	211.4	225.8	240.1	243.6	314.3	408.5	455.6	544.2	721.4
122.5°	253.2	238.9	224.4	238.9	253.2	256.8	320.9	406.3	449.0	528.8	688.3
125°	270.6	257.4	244.2	257.4	270.6	273.9	329.9	404.6	441.9	509.6	645.0
127.5°	286.9	273.6	260.3	273.6	286.9	290.2	338.8	403.5	435.8	494.0	610.3
130°	297.6	283.2	268.9	283.2	297.6	301.1	345.3	404.1	433.5	485.4	588.9
132.5°	306.5	292.1	277.9	292.1	306.5	310.0	350.5	404.6	431.5	477.9	570.7
135°	317.1	304.1	291.1	304.1	317.1	320.3	356.3	404.2	428.1	466.9	544.6
137.5°	330.3	317.5	304.5	317.5	330.3	333.5	364.9	406.7	427.5	460.3	525.9
140°	339.5	327.6	315.7	327.6	339.5	342.5	370.1	407.1	425.5	453.8	510.5
142.5°	346.3	335.3	324.3	335.3	346.3	349.1	374.5	408.5	425.5	450.4	500.2
145°	356.8	347.2	337.6	347.2	356.8	359.1	380.3	408.5	422.6	443.0	483.7
147.5°	369.5	360.1	350.8	360.1	369.5	371.8	388.7	411.4	422.6	438.7	470.7
150°	376.3	367.8	359.4	367.8	376.3	378.4	393.1	412.8	422.6	436.2	463.3
152.5°	381.0	374.7	368.3	374.7	381.0	382.7	396.0	413.7	422.6	434.2	457.3
155°	391.0	386.2	381.5	386.2	391.0	392.1	402.3	415.8	422.6	431.8	450.3
157.5°	400.5	395.9	391.3	395.9	400.5	401.7	408.7	418.0	422.6	429.8	444.1
160°	405.1	401.5	398.0	401.5	405.1	406.0	411.5	418.9	422.6	428.8	441.0
162.5°	409.9	407.2	404.6	407.2	409.9	410.6	414.6	420.0	422.6	427.8	438.1
165°	416.6	414.1	411.7	414.1	416.6	417.2	419.0	421.4	422.6	426.4	433.7
167.5°	420.6	419.5	418.3	419.5	420.6	420.9	422.4	424.5	425.5	427.9	432.8
170°	424.9	423.8	422.6	423.8	424.9	425.2	425.3	425.4	425.5	427.9	432.8
172.5°	425.4	425.2	424.9	425.2	425.4	425.5	425.5	425.5	425.5	427.4	431.2
175°	428.1	428.1	428.1	428.1	428.1	428.1	427.2	426.1	425.5	426.7	429.1
177.5°	428.1	428.1	428.1	428.1	428.1	428.1	427.4	426.6	426.1	427.0	428.9
180°	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1



TEST NUMBER: P934030  
 CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	3865.9	3854.5	3869.6	3827.9	3869.6	3854.5	3865.9	3892.4	3869.6	3884.8	3900.0
5°	3392.1	3373.2	3312.5	3263.3	3312.5	3373.2	3392.1	3471.7	3509.6	3577.8	3668.8
7.5°	3032.1	3016.9	3001.8	2971.4	3001.8	3016.9	3032.1	3054.7	3092.7	3153.3	3221.6
10°	2952.4	2956.3	2979.0	2975.2	2979.0	2956.3	2952.4	2944.9	2933.5	2944.9	2986.6
12.5°	3157.2	3191.2	3316.3	3308.7	3316.3	3191.2	3157.2	3005.5	2903.2	2884.3	2891.8
15°	3392.1	3403.5	3430.1	3433.8	3430.1	3403.5	3392.1	3331.5	3024.4	2891.8	2850.1
17.5°	3414.9	3418.7	3437.6	3437.6	3437.6	3418.7	3414.9	3388.4	3286.0	3107.8	2872.9
20°	3395.9	3403.5	3441.3	3449.0	3441.3	3403.5	3395.9	3361.8	3305.0	3240.5	3062.4
22.5°	3388.4	3403.5	3433.8	3430.1	3433.8	3403.5	3388.4	3335.3	3286.0	3240.5	3168.5
25°	3350.4	3350.4	3354.2	3358.0	3354.2	3350.4	3350.4	3308.7	3210.2	3198.8	3157.2
27.5°	3270.8	3278.4	3301.2	3297.3	3301.2	3278.4	3270.8	3255.6	3149.5	3138.2	3107.8
30°	3198.8	3191.2	3172.3	3157.2	3172.3	3191.2	3198.8	3176.1	3070.0	3039.6	3047.2
32.5°	3077.5	3058.6	3039.6	3028.3	3039.6	3058.6	3077.5	3070.0	2990.4	2948.7	2956.3
35°	2933.5	2937.3	2933.5	2922.1	2933.5	2937.3	2933.5	2941.1	2891.8	2853.9	2850.1
37.5°	2831.2	2838.7	2835.0	2819.8	2835.0	2838.7	2831.2	2823.6	2755.4	2744.0	2751.6
40°	2725.1	2728.9	2725.1	2713.7	2725.1	2728.9	2725.1	2709.9	2615.2	2618.9	2645.5
42.5°	2622.7	2618.9	2607.5	2600.0	2607.5	2618.9	2622.7	2600.0	2478.7	2467.4	2516.6
45°	2505.2	2509.1	2486.3	2474.9	2486.3	2509.1	2505.2	2490.1	2365.0	2334.6	2368.8
47.5°	2387.7	2387.7	2368.8	2357.4	2368.8	2387.7	2387.7	2368.8	2236.2	2205.8	2224.8
50°	2262.6	2258.9	2232.3	2228.6	2232.3	2258.9	2262.6	2251.3	2111.1	2084.5	2084.5
52.5°	2118.6	2118.6	2122.5	2130.0	2122.5	2118.6	2118.6	2122.5	1997.4	1970.8	1963.3
55°	1993.6	1997.4	2023.9	2031.4	2023.9	1997.4	1993.6	1993.6	1879.9	1853.4	1838.2
57.5°	1864.7	1864.7	1883.7	1883.7	1883.7	1864.7	1864.7	1857.1	1747.3	1724.5	1716.9
60°	1716.9	1724.5	1739.6	1735.9	1739.6	1724.5	1716.9	1709.3	1614.5	1599.4	1572.8
62.5°	1561.5	1569.1	1572.8	1565.3	1572.8	1569.1	1561.5	1538.8	1481.9	1470.5	1436.4
65°	1398.5	1406.1	1409.9	1402.4	1409.9	1406.1	1398.5	1387.1	1345.5	1326.5	1296.2
67.5°	1231.8	1227.9	1224.2	1239.3	1224.2	1227.9	1231.8	1216.7	1190.1	1174.9	1133.2
70°	1061.2	1061.2	1057.5	1065.0	1057.5	1061.2	1061.2	1049.8	1034.7	1023.3	985.5
72.5°	879.3	875.5	890.7	879.3	890.7	875.5	879.3	875.5	867.9	856.6	818.7
75°	701.2	708.7	701.2	712.6	701.2	708.7	701.2	704.9	701.2	693.6	667.0
77.5°	534.4	542.0	534.4	534.4	534.4	542.0	534.4	538.1	538.1	538.1	515.5
80°	379.0	375.2	375.2	371.4	375.2	375.2	379.0	379.0	382.8	375.2	367.7
82.5°	242.6	238.8	238.8	246.3	238.8	238.8	242.6	246.3	238.8	238.8	238.8
85°	132.6	136.4	128.9	128.9	128.9	136.4	132.6	125.1	132.6	132.6	128.9
87.5°	49.2	45.5	45.5	45.5	45.5	45.5	49.2	53.1	53.1	53.1	56.9
90°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	14.5	19.4	21.8	18.7
92.5°	54.6	52.4	43.8	35.1	43.8	52.4	54.6	77.4	107.8	123.0	108.0
95°	185.3	178.7	152.4	126.1	152.4	178.7	185.3	243.4	320.7	359.4	303.6
97.5°	427.8	415.3	365.3	315.2	365.3	415.3	427.8	464.5	513.4	537.9	444.7
100°	600.8	585.9	526.3	466.6	526.3	585.9	600.8	598.1	594.6	592.7	489.4
102.5°	748.4	735.6	684.5	633.5	684.5	735.6	748.4	701.7	639.4	608.2	503.4
105°	920.8	913.9	886.5	859.0	886.5	913.9	920.8	816.0	676.3	606.5	505.0
107.5°	1010.5	1012.1	1018.8	1025.4	1018.8	1012.1	1010.5	864.3	669.4	572.0	482.5
110°	1033.5	1040.6	1069.2	1097.8	1069.2	1040.6	1033.5	870.0	652.2	543.3	462.6



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1018.8	1029.8	1073.7	1117.6	1073.7	1029.8	1018.8	851.6	628.7	517.2	445.2
115°	969.1	984.3	1045.2	1106.1	1045.2	984.3	969.1	808.0	593.2	485.8	425.2
117.5°	900.4	917.4	984.9	1052.4	984.9	917.4	900.4	755.1	561.3	464.3	412.8
120°	854.2	870.6	936.2	1001.8	936.2	870.6	854.2	721.4	544.2	455.6	408.5
122.5°	807.9	824.0	888.9	953.6	888.9	824.0	807.9	688.3	528.8	449.0	406.3
125°	746.7	761.6	821.2	880.8	821.2	761.6	746.7	645.0	509.6	441.9	404.6
127.5°	697.5	710.2	760.5	810.8	760.5	710.2	697.5	610.3	494.0	435.8	403.5
130°	666.6	678.2	724.7	771.2	724.7	678.2	666.6	588.9	485.4	433.5	404.1
132.5°	640.2	650.6	692.2	733.8	692.2	650.6	640.2	570.7	477.9	431.5	404.6
135°	602.8	611.8	647.6	683.5	647.6	611.8	602.8	544.6	466.9	428.1	404.2
137.5°	575.2	582.5	611.9	641.3	611.9	582.5	575.2	525.9	460.3	427.5	406.7
140°	553.1	559.9	587.4	614.8	587.4	559.9	553.1	510.5	453.8	425.5	407.1
142.5°	537.6	543.5	567.1	590.7	567.1	543.5	537.6	500.2	450.4	425.5	408.5
145°	514.2	518.7	536.6	554.5	536.6	518.7	514.2	483.7	443.0	422.6	408.5
147.5°	494.7	498.5	513.3	528.1	513.3	498.5	494.7	470.7	438.7	422.6	411.4
150°	483.5	486.5	498.6	510.5	498.6	486.5	483.5	463.3	436.2	422.6	412.8
152.5°	474.7	476.9	485.9	495.0	485.9	476.9	474.7	457.3	434.2	422.6	413.7
155°	464.0	465.6	471.5	477.5	471.5	465.6	464.0	450.3	431.8	422.6	415.8
157.5°	454.8	455.8	460.1	464.3	460.1	455.8	454.8	444.1	429.8	422.6	418.0
160°	450.2	450.7	453.2	455.6	453.2	450.7	450.2	441.0	428.8	422.6	418.9
162.5°	445.9	446.4	448.7	451.0	448.7	446.4	445.9	438.1	427.8	422.6	420.0
165°	439.3	439.8	442.3	444.7	442.3	439.8	439.3	433.7	426.4	422.6	421.4
167.5°	436.4	436.7	437.6	438.7	437.6	436.7	436.4	432.8	427.9	425.5	424.5
170°	436.4	436.4	436.4	436.4	436.4	436.4	436.4	432.8	427.9	425.5	425.4
172.5°	434.1	433.9	433.0	432.1	433.0	433.9	434.1	431.2	427.4	425.5	425.5
175°	431.0	431.0	431.0	431.0	431.0	431.0	431.0	429.1	426.7	425.5	426.1
177.5°	430.4	430.1	429.1	428.1	429.1	430.1	430.4	428.9	427.0	426.1	426.6
180°	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	3956.8	3975.8	3987.1	4002.3	4040.2
5°	3805.3	3877.3	3900.0	3956.8	4025.1
7.5°	3471.7	3691.6	3752.2	3888.6	3994.7
10°	3149.5	3369.3	3475.5	3797.6	3956.8
12.5°	2986.6	3115.5	3187.5	3638.5	3903.8
15°	2884.3	2975.2	3028.3	3426.2	3843.1
17.5°	2804.6	2869.1	2907.0	3217.8	3759.8
20°	2755.4	2785.7	2819.8	3066.1	3665.0
22.5°	2721.2	2702.3	2728.9	2960.1	3536.1
25°	2698.6	2626.6	2656.9	2876.7	3384.5
27.5°	2717.5	2558.3	2569.7	2800.9	3225.3
30°	2721.2	2474.9	2478.7	2721.2	3047.2
32.5°	2694.7	2387.7	2391.5	2622.7	2846.3
35°	2630.3	2285.4	2281.7	2509.1	2573.5
37.5°	2543.1	2175.5	2175.5	2384.0	2274.0
40°	2437.0	2065.6	2076.9	2220.9	2008.8
42.5°	2308.2	1948.1	1963.3	2004.9	1811.7
45°	2167.9	1834.4	1845.7	1694.2	1660.0
47.5°	2012.5	1716.9	1720.7	1406.1	1610.8
50°	1826.8	1595.6	1580.5	1205.3	1607.0
52.5°	1663.9	1463.0	1417.5	1091.5	1459.2
55°	1504.7	1322.7	1224.2	1004.4	1353.0
57.5°	1364.4	1140.8	1046.1	902.1	1330.4
60°	1235.6	962.7	890.7	792.1	1220.4
62.5°	1129.5	830.1	814.9	716.3	1106.7
65°	1015.8	739.0	735.3	651.9	939.9
67.5°	905.8	678.4	674.6	591.2	716.3
70°	788.4	614.0	606.4	526.9	530.6
72.5°	667.0	542.0	534.4	473.8	439.7
75°	545.8	458.6	454.8	413.1	356.3
77.5°	428.3	363.8	371.4	333.5	261.5
80°	307.0	265.3	272.9	238.8	197.1
82.5°	204.6	174.3	182.0	151.6	132.6
85°	113.7	98.6	102.3	79.6	60.6
87.5°	53.1	45.5	45.5	30.3	18.9
90°	12.6	8.0	7.5	5.2	2.9
92.5°	77.9	55.5	50.6	31.0	11.5
95°	191.8	108.0	99.1	63.3	27.5
97.5°	258.4	118.7	110.8	79.3	47.7
100°	282.7	127.6	120.4	91.8	63.2
102.5°	293.7	136.4	129.8	103.1	76.4
105°	302.0	149.6	144.0	121.4	98.9
107.5°	303.5	169.2	164.0	142.9	121.8
110°	301.2	180.1	175.4	156.3	137.3



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CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	301.3	193.3	188.8	170.7	152.6
115°	304.1	213.2	209.0	192.3	175.6
117.5°	309.7	232.5	228.6	213.4	198.2
120°	314.3	243.6	240.1	225.8	211.4
122.5°	320.9	256.8	253.2	238.9	224.4
125°	329.9	273.9	270.6	257.4	244.2
127.5°	338.8	290.2	286.9	273.6	260.3
130°	345.3	301.1	297.6	283.2	268.9
132.5°	350.5	310.0	306.5	292.1	277.9
135°	356.3	320.3	317.1	304.1	291.1
137.5°	364.9	333.5	330.3	317.5	304.5
140°	370.1	342.5	339.5	327.6	315.7
142.5°	374.5	349.1	346.3	335.3	324.3
145°	380.3	359.1	356.8	347.2	337.6
147.5°	388.7	371.8	369.5	360.1	350.8
150°	393.1	378.4	376.3	367.8	359.4
152.5°	396.0	382.7	381.0	374.7	368.3
155°	402.3	392.1	391.0	386.2	381.5
157.5°	408.7	401.7	400.5	395.9	391.3
160°	411.5	406.0	405.1	401.5	398.0
162.5°	414.6	410.6	409.9	407.2	404.6
165°	419.0	417.2	416.6	414.1	411.7
167.5°	422.4	420.9	420.6	419.5	418.3
170°	425.3	425.2	424.9	423.8	422.6
172.5°	425.5	425.5	425.4	425.2	424.9
175°	427.2	428.1	428.1	428.1	428.1
177.5°	427.4	428.1	428.1	428.1	428.1
180°	428.1	428.1	428.1	428.1	428.1



TEST NUMBER: P934030  
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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.89	17.09	16.55	17.77	18.56	18.74	19.94	19.40	20.62	21.41
	3H	16.39	17.47	17.07	18.16	18.98	20.12	21.20	20.80	21.89	22.71
	4H	16.60	17.62	17.29	18.31	19.15	20.58	21.60	21.28	22.30	23.13
	6H	16.74	17.67	17.44	18.38	19.23	20.89	21.83	21.60	22.54	23.39
	8H	16.75	17.64	17.47	18.37	19.22	20.98	21.87	21.70	22.60	23.45
	12H	16.73	17.58	17.45	18.30	19.18	21.03	21.88	21.76	22.61	23.49
4H	2H	16.97	17.98	17.67	18.68	19.52	19.19	20.21	19.89	20.91	21.74
	3H	18.03	18.87	18.74	19.61	20.46	20.73	21.58	21.44	22.32	23.17
	4H	18.32	19.09	19.04	19.82	20.71	21.28	22.05	22.01	22.79	23.67
	6H	18.46	19.13	19.21	19.89	20.78	21.67	22.34	22.42	23.10	23.99
	8H	18.47	19.10	19.22	19.86	20.76	21.79	22.41	22.54	23.17	24.07
	12H	18.46	19.02	19.23	19.80	20.71	21.86	22.42	22.64	23.21	24.12
8H	4H	18.80	19.42	19.55	20.18	21.09	21.43	22.05	22.18	22.81	23.72
	6H	19.08	19.59	19.86	20.40	21.30	21.89	22.40	22.67	23.21	24.11
	8H	19.12	19.58	19.91	20.38	21.31	22.05	22.50	22.84	23.31	24.23
	12H	19.12	19.53	19.92	20.32	21.30	22.16	22.57	22.96	23.36	24.34
12H	4H	18.82	19.38	19.59	20.17	21.08	21.41	21.97	22.18	22.76	23.66
	6H	19.14	19.60	19.93	20.40	21.33	21.89	22.35	22.68	23.15	24.07
	8H	19.22	19.63	20.02	20.42	21.40	22.07	22.47	22.86	23.27	24.25