

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: P934153

Luminaire Tested: SQ4-FA-025U-125D-93050-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

**Test Information**

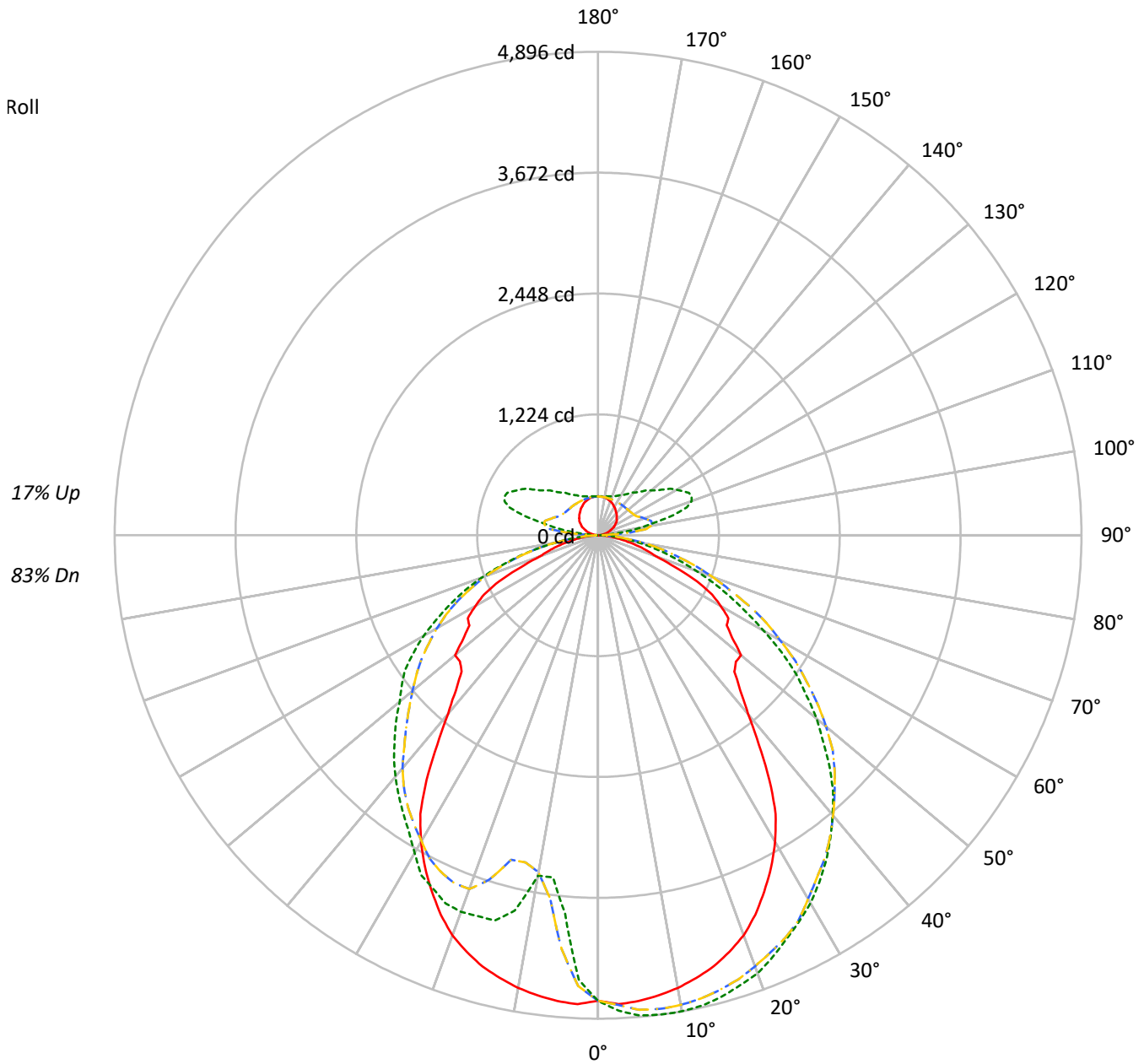
Test Method: LM-79-2019  
Report Number: P934153  
REPORT IS A COMBINATION OF REPORTS P933685 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-025U-125D-93050-1D-UNV-STD-W-12-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14770.4 lumens  
Efficiency: N/A  
Efficacy: 99.3 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): 148.8  
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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CATALOG NUMBER: SQ4-FA-025U-125D-93050-1D-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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	86	86	86	83
1	105	101	97	93	101	97	93	90	89	87	84	83	80	78	76	75	73	73	73	73	70
2	96	88	82	76	92	85	79	74	78	74	70	73	69	66	67	64	62	62	62	62	59
3	88	78	70	64	84	75	68	62	69	63	59	64	60	56	60	56	52	52	52	52	50
4	80	69	60	54	77	66	59	53	62	55	50	57	52	48	53	49	45	45	45	45	43
5	74	61	53	46	70	59	51	45	55	49	43	52	46	41	48	43	39	39	39	39	37
6	68	55	47	40	65	53	45	40	50	43	38	47	41	36	44	39	35	35	35	35	32
7	63	50	42	36	60	48	41	35	45	39	34	42	37	32	40	35	31	31	31	31	29
8	59	46	37	32	56	44	36	31	41	35	30	39	33	29	37	31	28	28	28	28	26
9	55	42	34	28	52	40	33	28	38	32	27	36	30	26	34	29	25	25	25	25	23
10	51	38	31	26	49	37	30	25	35	29	24	33	28	24	31	26	23	23	23	23	21

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

	0°	90°	180°	270°
0°	14578	14578	14578	14578
5°	14692	14715	14692	11571
10°	14599	14495	14599	10363
15°	14445	14181	14445	11842
20°	14149	13809	14149	11866
25°	13536	13267	13536	11615
30°	12742	12816	12742	11063
35°	11365	12246	11365	10456
40°	9476	11575	9476	9997
45°	8472	10790	8472	9470
50°	9008	9854	9008	8941
55°	8482	8845	8482	8635
60°	8756	7512	8756	7909
65°	7951	6210	7951	6941
70°	5519	4949	5519	5818
75°	4857	3658	4857	4381
80°	3944	2418	3944	2634
85°	2310	1281	2310	1089

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 12977 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	425.4	2.9
10°-20°	1207.9	8.2
20°-30°	1867.2	12.6
30°-40°	2229.0	15.1
40°-50°	2242.1	15.2
50°-60°	1950.9	13.2
60°-70°	1383.2	9.4
70°-80°	731.8	5.0
80°-90°	183.8	1.2
90°-100°	191.7	1.3
100°-110°	503.9	3.4
110°-120°	522.5	3.5
120°-130°	419.1	2.8
130°-140°	328.9	2.2
140°-150°	252.4	1.7
150°-160°	181.8	1.2
160°-170°	111.2	0.8
170°-180°	37.6	0.3
0°-30°	3500.5	23.7
0°-40°	5729.5	38.8
0°-60°	9922.5	67.2
0°-90°	12221.3	82.7
90°-120°	1218.1	8.2
90°-150°	2218.5	15.0
90°-180°	2549.0	17.3
0°-180°	14770.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4713	4713	4713	4713	4713	
5°	4735	4882	4735	3839	4735	449
15°	4521	4838	4521	4040	4521	1272
25°	3982	4512	3982	3950	3982	1828
35°	3028	4026	3028	3438	3028	1873
45°	1953	3317	1953	2912	1953	1564
55°	1592	2448	1592	2390	1592	1463
65°	1106	1476	1106	1650	1106	1057
75°	419	700	419	838	419	441
85°	71	178	71	152	71	96
90°	3	10	3	10	3	5
95°	25	116	25	116	25	28
105°	91	789	91	789	91	96
115°	161	1016	161	1016	161	159
125°	224	809	224	809	224	199
135°	267	628	267	628	267	207
145°	310	509	310	509	310	194
155°	350	439	350	439	350	161
165°	378	408	378	408	378	107
175°	393	396	393	396	393	37
180°	393	393	393	393	393	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0
2.5°	4753.1	4753.1	4779.8	4788.8	4788.8	4775.3	4762.0	4775.3	4815.5	4828.9	4824.4
5°	4735.2	4770.9	4819.9	4828.9	4837.8	4833.3	4824.4	4833.3	4877.9	4886.9	4891.3
7.5°	4699.5	4766.5	4828.9	4842.2	4855.6	4842.2	4837.8	4846.7	4891.3	4900.2	4900.2
10°	4655.0	4748.6	4819.9	4828.9	4842.2	4828.9	4828.9	4846.7	4891.3	4900.2	4904.7
12.5°	4592.5	4721.8	4788.8	4797.6	4815.5	4811.0	4806.6	4824.4	4868.9	4877.9	4877.9
15°	4521.2	4672.8	4735.2	4744.1	4775.3	4766.5	4766.5	4784.3	4833.3	4846.7	4842.2
17.5°	4423.1	4610.4	4681.7	4695.1	4717.4	4713.0	4717.4	4735.2	4779.8	4788.8	4793.2
20°	4311.7	4525.6	4610.4	4623.7	4646.0	4646.0	4646.0	4668.3	4713.0	4730.8	4730.8
22.5°	4160.1	4436.5	4525.6	4534.6	4561.4	4561.4	4570.2	4601.4	4641.6	4646.0	4646.0
25°	3981.7	4338.4	4414.2	4441.0	4467.7	4481.1	4494.4	4512.3	4525.6	4521.2	4525.6
27.5°	3794.4	4213.6	4311.7	4329.5	4365.2	4378.5	4396.3	4400.8	4405.3	4418.6	4409.8
30°	3584.9	4039.7	4186.8	4204.6	4262.6	4271.5	4253.7	4262.6	4284.9	4293.8	4302.7
32.5°	3348.5	3781.1	4057.5	4097.6	4151.1	4124.4	4119.9	4133.3	4168.9	4168.9	4177.9
35°	3027.5	3580.4	3937.1	3972.7	4012.9	3981.7	3999.5	4004.0	4026.3	4039.7	4035.2
37.5°	2675.3	3406.5	3812.3	3839.1	3870.2	3830.1	3856.9	3870.2	3888.1	3879.1	3879.1
40°	2363.2	3134.5	3665.2	3683.0	3709.7	3678.5	3705.3	3714.2	3723.1	3714.2	3709.7
42.5°	2131.3	2835.8	3509.1	3531.4	3513.6	3535.8	3544.7	3562.6	3549.2	3531.4	3531.4
45°	1952.9	2755.5	3339.7	3366.4	3339.7	3375.3	3388.7	3388.7	3348.5	3339.7	3335.2
47.5°	1895.0	2595.0	3170.2	3170.2	3156.8	3201.4	3223.7	3192.4	3152.4	3139.0	3139.0
50°	1890.5	2416.6	2938.4	2920.5	2982.9	3036.5	3014.2	2982.9	2951.7	2902.7	2902.7
52.5°	1716.6	2198.2	2639.6	2706.5	2804.6	2835.8	2800.1	2768.9	2715.4	2693.1	2675.3
55°	1591.7	1970.8	2367.6	2501.4	2603.9	2644.0	2577.2	2545.9	2465.7	2452.3	2443.4
57.5°	1565.0	1640.8	2117.9	2287.4	2412.2	2407.8	2367.6	2309.7	2242.7	2229.4	2224.9
60°	1435.8	1186.1	1850.4	2051.0	2180.4	2166.9	2131.3	2077.8	2015.3	2006.5	1997.5
62.5°	1302.0	860.6	1547.2	1774.6	1957.4	1952.9	1921.7	1841.4	1796.9	1774.6	1756.8
65°	1105.8	722.3	1101.3	1475.9	1738.9	1747.8	1681.0	1623.0	1573.9	1547.2	1542.7
67.5°	842.7	588.5	744.6	1230.6	1529.4	1520.4	1435.8	1409.0	1346.5	1333.2	1306.4
70°	624.2	392.3	517.2	998.8	1324.2	1302.0	1235.1	1203.9	1145.9	1114.7	1096.8
72.5°	517.2	316.5	379.0	775.8	1114.7	1088.0	1030.0	994.3	945.2	918.5	900.7
75°	419.1	334.4	289.8	575.2	905.1	887.3	833.8	798.1	758.0	722.3	726.8
77.5°	307.7	312.1	231.9	423.6	717.8	691.1	659.9	615.3	597.5	561.8	561.8
80°	231.9	245.2	173.9	289.8	517.2	517.2	490.4	459.3	428.1	410.2	410.2
82.5°	156.1	156.1	129.3	182.8	352.3	338.8	321.0	312.1	294.3	285.4	285.4
85°	71.3	89.1	80.3	111.5	191.7	200.6	200.6	191.7	187.3	178.4	182.8
87.5°	22.3	40.1	49.0	62.4	98.1	102.6	107.0	107.0	107.0	111.5	111.5
90°	2.6	4.7	6.9	7.4	11.6	17.2	20.0	17.8	13.4	10.0	10.0
92.5°	10.5	28.5	46.5	50.9	71.6	99.2	112.9	99.0	71.1	50.2	48.1
95°	25.3	58.1	91.0	99.2	176.2	278.9	330.2	294.6	223.5	170.2	164.2
97.5°	43.8	72.8	101.8	109.0	237.3	408.5	494.0	471.6	426.7	393.0	381.4
100°	58.1	84.3	110.6	117.2	259.6	449.5	544.5	546.1	549.4	551.8	538.1
102.5°	70.2	94.7	119.2	125.3	269.8	462.4	558.7	587.3	644.5	687.4	675.7
105°	90.8	111.5	132.3	137.5	277.4	463.8	557.1	621.2	749.5	845.8	839.5
107.5°	111.9	131.2	150.6	155.5	278.8	443.2	525.4	614.9	793.9	928.2	929.7
110°	126.1	143.6	161.1	165.5	276.7	424.9	499.1	599.1	799.2	949.3	955.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	140.2	156.8	173.5	177.6	276.8	408.9	475.1	577.5	782.2	935.8	945.9
115°	161.3	176.6	192.0	195.9	279.3	390.6	446.3	544.9	742.2	890.2	904.1
117.5°	182.1	196.0	210.0	213.5	284.5	379.2	426.5	515.6	693.6	827.1	842.6
120°	194.2	207.4	220.5	223.8	288.7	375.2	418.5	499.8	662.6	784.6	799.7
122.5°	206.1	219.4	232.6	235.9	294.8	373.2	412.5	485.7	632.2	742.1	756.9
125°	224.3	236.4	248.6	251.5	303.0	371.6	405.9	468.0	592.5	685.9	699.6
127.5°	239.1	251.3	263.5	266.6	311.2	370.6	400.3	453.7	560.6	640.7	652.3
130°	247.0	260.2	273.3	276.6	317.2	371.2	398.2	445.8	540.9	612.3	623.0
132.5°	255.2	268.3	281.5	284.7	322.0	371.6	396.4	439.0	524.2	588.0	597.6
135°	267.4	279.3	291.2	294.2	327.3	371.3	393.2	428.9	500.2	553.7	561.9
137.5°	279.7	291.6	303.4	306.4	335.2	373.5	392.7	422.8	483.1	528.3	535.1
140°	290.0	300.9	311.9	314.6	340.0	373.9	390.8	416.8	468.9	508.0	514.3
142.5°	297.9	308.0	318.1	320.7	344.0	375.2	390.8	413.7	459.4	493.8	499.2
145°	310.1	318.9	327.7	329.9	349.3	375.2	388.2	406.9	444.3	472.4	476.5
147.5°	322.2	330.8	339.4	341.5	357.0	377.8	388.2	403.0	432.4	454.4	457.9
150°	330.2	337.9	345.6	347.5	361.1	379.2	388.2	400.7	425.5	444.2	446.9
152.5°	338.3	344.2	350.0	351.5	363.7	380.0	388.2	398.8	420.1	436.0	438.1
155°	350.4	354.7	359.1	360.2	369.5	382.0	388.2	396.6	413.6	426.2	427.6
157.5°	359.4	363.6	367.9	369.0	375.4	383.9	388.2	394.8	407.9	417.7	418.7
160°	365.5	368.8	372.1	372.9	378.0	384.8	388.2	393.8	405.1	413.5	414.0
162.5°	371.6	374.1	376.5	377.1	380.8	385.7	388.2	393.0	402.4	409.6	410.1
165°	378.2	380.4	382.7	383.2	384.9	387.1	388.2	391.6	398.4	403.5	404.0
167.5°	384.3	385.3	386.4	386.6	388.0	389.9	390.8	393.0	397.5	400.9	401.1
170°	388.2	389.3	390.3	390.6	390.7	390.8	390.8	393.0	397.5	400.9	400.9
172.5°	390.3	390.6	390.8	390.8	390.8	390.8	390.8	392.6	396.1	398.7	398.6
175°	393.2	393.2	393.2	393.2	392.4	391.4	390.8	392.0	394.2	395.9	395.9
177.5°	393.2	393.2	393.2	393.2	392.6	391.8	391.4	392.2	394.0	395.3	395.1
180°	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0
2.5°	4833.3	4819.9	4833.3	4824.4	4828.9	4815.5	4775.3	4762.0	4775.3	4788.8	4788.8
5°	4891.3	4882.4	4891.3	4891.3	4886.9	4877.9	4833.3	4824.4	4833.3	4837.8	4828.9
7.5°	4909.1	4895.7	4909.1	4900.2	4900.2	4891.3	4846.7	4837.8	4842.2	4855.6	4842.2
10°	4909.1	4895.7	4909.1	4904.7	4900.2	4891.3	4846.7	4828.9	4828.9	4842.2	4828.9
12.5°	4886.9	4877.9	4886.9	4877.9	4877.9	4868.9	4824.4	4806.6	4811.0	4815.5	4797.6
15°	4851.1	4837.8	4851.1	4842.2	4846.7	4833.3	4784.3	4766.5	4766.5	4775.3	4744.1
17.5°	4797.6	4779.8	4797.6	4793.2	4788.8	4779.8	4735.2	4717.4	4713.0	4717.4	4695.1
20°	4735.2	4721.8	4735.2	4730.8	4730.8	4713.0	4668.3	4646.0	4646.0	4646.0	4623.7
22.5°	4637.2	4623.7	4637.2	4646.0	4646.0	4641.6	4601.4	4570.2	4561.4	4561.4	4534.6
25°	4525.6	4512.3	4525.6	4525.6	4521.2	4525.6	4512.3	4494.4	4481.1	4467.7	4441.0
27.5°	4418.6	4409.8	4418.6	4409.8	4418.6	4405.3	4400.8	4396.3	4378.5	4365.2	4329.5
30°	4311.7	4302.7	4311.7	4302.7	4293.8	4284.9	4262.6	4253.7	4271.5	4262.6	4204.6
32.5°	4177.9	4168.9	4177.9	4177.9	4168.9	4168.9	4133.3	4119.9	4124.4	4151.1	4097.6
35°	4039.7	4026.3	4039.7	4035.2	4039.7	4026.3	4004.0	3999.5	3981.7	4012.9	3972.7
37.5°	3879.1	3865.8	3879.1	3879.1	3879.1	3888.1	3870.2	3856.9	3830.1	3870.2	3839.1
40°	3714.2	3696.3	3714.2	3709.7	3714.2	3723.1	3714.2	3705.3	3678.5	3709.7	3683.0
42.5°	3526.9	3522.4	3526.9	3531.4	3531.4	3549.2	3562.6	3544.7	3535.8	3513.6	3531.4
45°	3326.2	3317.3	3326.2	3335.2	3339.7	3348.5	3388.7	3388.7	3375.3	3339.7	3366.4
47.5°	3112.3	3090.0	3112.3	3139.0	3139.0	3152.4	3192.4	3223.7	3201.4	3156.8	3170.2
50°	2884.9	2889.3	2884.9	2902.7	2902.7	2951.7	2982.9	3014.2	3036.5	2982.9	2920.5
52.5°	2661.9	2657.5	2661.9	2675.3	2693.1	2715.4	2768.9	2800.1	2835.8	2804.6	2706.5
55°	2439.0	2447.9	2439.0	2443.4	2452.3	2465.7	2545.9	2577.2	2644.0	2603.9	2501.4
57.5°	2216.0	2202.6	2216.0	2224.9	2229.4	2242.7	2309.7	2367.6	2407.8	2412.2	2287.4
60°	1957.4	1939.6	1957.4	1997.5	2006.5	2015.3	2077.8	2131.3	2166.9	2180.4	2051.0
62.5°	1730.0	1698.8	1730.0	1756.8	1774.6	1796.9	1841.4	1921.7	1952.9	1957.4	1774.6
65°	1489.2	1475.9	1489.2	1542.7	1547.2	1573.9	1623.0	1681.0	1747.8	1738.9	1475.9
67.5°	1270.7	1270.7	1270.7	1306.4	1333.2	1346.5	1409.0	1435.8	1520.4	1529.4	1230.6
70°	1070.1	1065.6	1070.1	1096.8	1114.7	1145.9	1203.9	1235.1	1302.0	1324.2	998.8
72.5°	878.4	873.9	878.4	900.7	918.5	945.2	994.3	1030.0	1088.0	1114.7	775.8
75°	709.0	700.0	709.0	726.8	722.3	758.0	798.1	833.8	887.3	905.1	575.2
77.5°	543.9	543.9	543.9	561.8	561.8	597.5	615.3	659.9	691.1	717.8	423.6
80°	405.8	401.3	405.8	410.2	410.2	428.1	459.3	490.4	517.2	517.2	289.8
82.5°	285.4	276.4	285.4	285.4	285.4	294.3	312.1	321.0	338.8	352.3	182.8
85°	178.4	178.4	178.4	182.8	178.4	187.3	191.7	200.6	200.6	191.7	111.5
87.5°	115.9	111.5	115.9	111.5	111.5	107.0	107.0	107.0	102.6	98.1	62.4
90°	10.0	10.0	10.0	10.0	10.0	13.4	17.8	20.0	17.2	11.6	7.4
92.5°	40.2	32.2	40.2	48.1	50.2	71.1	99.0	112.9	99.2	71.6	50.9
95°	140.0	115.8	140.0	164.2	170.2	223.5	294.6	330.2	278.9	176.2	99.2
97.5°	335.5	289.5	335.5	381.4	393.0	426.7	471.6	494.0	408.5	237.3	109.0
100°	483.4	428.6	483.4	538.1	551.8	549.4	546.1	544.5	449.5	259.6	117.2
102.5°	628.8	581.9	628.8	675.7	687.4	644.5	587.3	558.7	462.4	269.8	125.3
105°	814.3	789.1	814.3	839.5	845.8	749.5	621.2	557.1	463.8	277.4	137.5
107.5°	935.8	941.9	935.8	929.7	928.2	793.9	614.9	525.4	443.2	278.8	155.5
110°	982.1	1008.4	982.1	955.9	949.3	799.2	599.1	499.1	424.9	276.7	165.5





TEST NUMBER: P934153

CATALOG NUMBER: SQ4-FA-025U-125D-93050-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	986.2	1026.6	986.2	945.9	935.8	782.2	577.5	475.1	408.9	276.8	177.6
115°	960.1	1016.0	960.1	904.1	890.2	742.2	544.9	446.3	390.6	279.3	195.9
117.5°	904.7	966.7	904.7	842.6	827.1	693.6	515.6	426.5	379.2	284.5	213.5
120°	859.9	920.2	859.9	799.7	784.6	662.6	499.8	418.5	375.2	288.7	223.8
122.5°	816.5	875.9	816.5	756.9	742.1	632.2	485.7	412.5	373.2	294.8	235.9
125°	754.3	809.1	754.3	699.6	685.9	592.5	468.0	405.9	371.6	303.0	251.5
127.5°	698.5	744.7	698.5	652.3	640.7	560.6	453.7	400.3	370.6	311.2	266.6
130°	665.7	708.3	665.7	623.0	612.3	540.9	445.8	398.2	371.2	317.2	276.6
132.5°	635.8	674.0	635.8	597.6	588.0	524.2	439.0	396.4	371.6	322.0	284.7
135°	594.9	627.8	594.9	561.9	553.7	500.2	428.9	393.2	371.3	327.3	294.2
137.5°	562.0	589.1	562.0	535.1	528.3	483.1	422.8	392.7	373.5	335.2	306.4
140°	539.5	564.7	539.5	514.3	508.0	468.9	416.8	390.8	373.9	340.0	314.6
142.5°	520.9	542.6	520.9	499.2	493.8	459.4	413.7	390.8	375.2	344.0	320.7
145°	492.9	509.3	492.9	476.5	472.4	444.3	406.9	388.2	375.2	349.3	329.9
147.5°	471.5	485.1	471.5	457.9	454.4	432.4	403.0	388.2	377.8	357.0	341.5
150°	457.9	468.9	457.9	446.9	444.2	425.5	400.7	388.2	379.2	361.1	347.5
152.5°	446.4	454.7	446.4	438.1	436.0	420.1	398.8	388.2	380.0	363.7	351.5
155°	433.1	438.6	433.1	427.6	426.2	413.6	396.6	388.2	382.0	369.5	360.2
157.5°	422.6	426.5	422.6	418.7	417.7	407.9	394.8	388.2	383.9	375.4	369.0
160°	416.3	418.5	416.3	414.0	413.5	405.1	393.8	388.2	384.8	378.0	372.9
162.5°	412.2	414.3	412.2	410.1	409.6	402.4	393.0	388.2	385.7	380.8	377.1
165°	406.3	408.5	406.3	404.0	403.5	398.4	391.6	388.2	387.1	384.9	383.2
167.5°	402.0	403.0	402.0	401.1	400.9	397.5	393.0	390.8	389.9	388.0	386.6
170°	400.9	400.9	400.9	400.9	400.9	397.5	393.0	390.8	390.8	390.7	390.6
172.5°	397.7	396.9	397.7	398.6	398.7	396.1	392.6	390.8	390.8	390.8	390.8
175°	395.9	395.9	395.9	395.9	395.9	394.2	392.0	390.8	391.4	392.4	393.2
177.5°	394.2	393.2	394.2	395.1	395.3	394.0	392.2	391.4	391.8	392.6	393.2
180°	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2



TEST NUMBER: P934153

CATALOG NUMBER: SQ4-FA-025U-125D-93050-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0
2.5°	4779.8	4753.1	4753.1	4708.5	4690.7	4677.3	4655.0	4588.1	4570.2	4552.4	4579.2
5°	4819.9	4770.9	4735.2	4655.0	4588.1	4561.4	4476.6	4316.1	4209.1	4128.8	4084.3
7.5°	4828.9	4766.5	4699.5	4574.7	4414.2	4342.8	4084.3	3790.0	3709.7	3638.4	3593.7
10°	4819.9	4748.6	4655.0	4467.7	4088.7	3963.9	3705.3	3513.6	3464.5	3451.1	3464.5
12.5°	4788.8	4721.8	4592.5	4280.4	3749.8	3665.2	3513.6	3402.0	3393.1	3415.4	3535.8
15°	4735.2	4672.8	4521.2	4030.7	3562.6	3500.1	3393.1	3353.0	3402.0	3558.1	3919.2
17.5°	4681.7	4610.4	4423.1	3785.5	3419.9	3375.3	3299.5	3379.8	3656.2	3865.8	3986.2
20°	4610.4	4525.6	4311.7	3607.2	3317.3	3277.2	3241.5	3602.7	3812.3	3888.1	3954.9
22.5°	4525.6	4436.5	4160.1	3482.3	3210.4	3179.1	3201.4	3727.5	3812.3	3865.8	3923.7
25°	4414.2	4338.4	3981.7	3384.2	3125.6	3090.0	3174.6	3714.2	3763.2	3776.6	3892.5
27.5°	4311.7	4213.6	3794.4	3295.0	3023.0	3009.7	3196.9	3656.2	3691.9	3705.3	3830.1
30°	4186.8	4039.7	3584.9	3201.4	2916.0	2911.6	3201.4	3584.9	3575.9	3611.6	3736.5
32.5°	4057.5	3781.1	3348.5	3085.5	2813.5	2809.1	3170.2	3477.8	3468.9	3517.9	3611.6
35°	3937.1	3580.4	3027.5	2951.7	2684.2	2688.7	3094.4	3353.0	3357.5	3402.0	3460.0
37.5°	3812.3	3406.5	2675.3	2804.6	2559.4	2559.4	2991.8	3237.1	3228.2	3241.5	3321.8
40°	3665.2	3134.5	2363.2	2612.9	2443.4	2430.0	2867.0	3112.3	3081.0	3076.6	3188.1
42.5°	3509.1	2835.8	2131.3	2358.7	2309.7	2291.8	2715.4	2960.7	2902.7	2916.0	3058.7
45°	3339.7	2755.5	1952.9	1993.0	2171.4	2158.1	2550.4	2786.8	2746.6	2782.3	2929.4
47.5°	3170.2	2595.0	1895.0	1654.2	2024.3	2019.8	2367.6	2617.3	2595.0	2630.7	2786.8
50°	2938.4	2416.6	1890.5	1417.9	1859.3	1877.1	2149.1	2452.3	2452.3	2483.6	2648.5
52.5°	2639.6	2198.2	1716.6	1284.2	1667.5	1721.1	1957.4	2309.7	2318.5	2349.8	2496.9
55°	2367.6	1970.8	1591.7	1181.6	1440.2	1556.1	1770.1	2162.5	2180.4	2211.6	2345.3
57.5°	2117.9	1640.8	1565.0	1061.2	1230.6	1342.1	1605.2	2019.8	2028.8	2055.5	2184.8
60°	1850.4	1186.1	1435.8	931.9	1047.8	1132.6	1453.6	1850.4	1881.6	1899.4	2010.9
62.5°	1547.2	860.6	1302.0	842.7	958.7	976.5	1328.7	1689.9	1730.0	1743.3	1810.3
65°	1101.3	722.3	1105.8	766.9	865.0	869.4	1194.9	1524.9	1560.6	1582.9	1631.9
67.5°	744.6	588.5	842.7	695.5	793.6	798.1	1065.6	1333.2	1382.2	1400.1	1431.3
70°	517.2	392.3	624.2	619.7	713.4	722.3	927.4	1159.3	1203.9	1217.2	1235.1
72.5°	379.0	316.5	517.2	557.4	628.7	637.6	784.8	963.1	1007.7	1021.0	1030.0
75°	289.8	334.4	419.1	486.0	535.1	539.5	642.0	784.8	815.9	824.9	829.3
77.5°	231.9	312.1	307.7	392.3	437.0	428.1	503.9	606.4	633.2	633.2	633.2
80°	173.9	245.2	231.9	280.9	321.0	312.1	361.2	432.5	441.4	450.3	445.9
82.5°	129.3	156.1	156.1	178.4	214.0	205.1	240.7	280.9	280.9	280.9	289.8
85°	80.3	89.1	71.3	93.6	120.4	115.9	133.8	151.6	156.1	156.1	147.1
87.5°	49.0	40.1	22.3	35.7	53.5	53.5	62.4	66.8	62.4	62.4	62.4
90°	6.9	4.7	2.6	4.7	6.9	7.4	11.6	17.2	20.0	17.8	13.4
92.5°	46.5	28.5	10.5	28.5	46.5	50.9	71.6	99.2	112.9	99.0	71.1
95°	91.0	58.1	25.3	58.1	91.0	99.2	176.2	278.9	330.2	294.6	223.5
97.5°	101.8	72.8	43.8	72.8	101.8	109.0	237.3	408.5	494.0	471.6	426.7
100°	110.6	84.3	58.1	84.3	110.6	117.2	259.6	449.5	544.5	546.1	549.4
102.5°	119.2	94.7	70.2	94.7	119.2	125.3	269.8	462.4	558.7	587.3	644.5
105°	132.3	111.5	90.8	111.5	132.3	137.5	277.4	463.8	557.1	621.2	749.5
107.5°	150.6	131.2	111.9	131.2	150.6	155.5	278.8	443.2	525.4	614.9	793.9
110°	161.1	143.6	126.1	143.6	161.1	165.5	276.7	424.9	499.1	599.1	799.2



TEST NUMBER: P934153

CATALOG NUMBER: SQ4-FA-025U-125D-93050-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	173.5	156.8	140.2	156.8	173.5	177.6	276.8	408.9	475.1	577.5	782.2
115°	192.0	176.6	161.3	176.6	192.0	195.9	279.3	390.6	446.3	544.9	742.2
117.5°	210.0	196.0	182.1	196.0	210.0	213.5	284.5	379.2	426.5	515.6	693.6
120°	220.5	207.4	194.2	207.4	220.5	223.8	288.7	375.2	418.5	499.8	662.6
122.5°	232.6	219.4	206.1	219.4	232.6	235.9	294.8	373.2	412.5	485.7	632.2
125°	248.6	236.4	224.3	236.4	248.6	251.5	303.0	371.6	405.9	468.0	592.5
127.5°	263.5	251.3	239.1	251.3	263.5	266.6	311.2	370.6	400.3	453.7	560.6
130°	273.3	260.2	247.0	260.2	273.3	276.6	317.2	371.2	398.2	445.8	540.9
132.5°	281.5	268.3	255.2	268.3	281.5	284.7	322.0	371.6	396.4	439.0	524.2
135°	291.2	279.3	267.4	279.3	291.2	294.2	327.3	371.3	393.2	428.9	500.2
137.5°	303.4	291.6	279.7	291.6	303.4	306.4	335.2	373.5	392.7	422.8	483.1
140°	311.9	300.9	290.0	300.9	311.9	314.6	340.0	373.9	390.8	416.8	468.9
142.5°	318.1	308.0	297.9	308.0	318.1	320.7	344.0	375.2	390.8	413.7	459.4
145°	327.7	318.9	310.1	318.9	327.7	329.9	349.3	375.2	388.2	406.9	444.3
147.5°	339.4	330.8	322.2	330.8	339.4	341.5	357.0	377.8	388.2	403.0	432.4
150°	345.6	337.9	330.2	337.9	345.6	347.5	361.1	379.2	388.2	400.7	425.5
152.5°	350.0	344.2	338.3	344.2	350.0	351.5	363.7	380.0	388.2	398.8	420.1
155°	359.1	354.7	350.4	354.7	359.1	360.2	369.5	382.0	388.2	396.6	413.6
157.5°	367.9	363.6	359.4	363.6	367.9	369.0	375.4	383.9	388.2	394.8	407.9
160°	372.1	368.8	365.5	368.8	372.1	372.9	378.0	384.8	388.2	393.8	405.1
162.5°	376.5	374.1	371.6	374.1	376.5	377.1	380.8	385.7	388.2	393.0	402.4
165°	382.7	380.4	378.2	380.4	382.7	383.2	384.9	387.1	388.2	391.6	398.4
167.5°	386.4	385.3	384.3	385.3	386.4	386.6	388.0	389.9	390.8	393.0	397.5
170°	390.3	389.3	388.2	389.3	390.3	390.6	390.7	390.8	390.8	393.0	397.5
172.5°	390.8	390.6	390.3	390.6	390.8	390.8	390.8	390.8	390.8	392.6	396.1
175°	393.2	393.2	393.2	393.2	393.2	393.2	392.4	391.4	390.8	392.0	394.2
177.5°	393.2	393.2	393.2	393.2	393.2	393.2	392.6	391.8	391.4	392.2	394.0
180°	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2



TEST NUMBER: P934153  
 CATALOG NUMBER: SQ4-FA-025U-125D-93050-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0
2.5°	4547.9	4534.6	4552.4	4503.4	4552.4	4534.6	4547.9	4579.2	4552.4	4570.2	4588.1
5°	3990.6	3968.3	3896.9	3839.1	3896.9	3968.3	3990.6	4084.3	4128.8	4209.1	4316.1
7.5°	3567.0	3549.2	3531.4	3495.7	3531.4	3549.2	3567.0	3593.7	3638.4	3709.7	3790.0
10°	3473.4	3477.8	3504.6	3500.1	3504.6	3477.8	3473.4	3464.5	3451.1	3464.5	3513.6
12.5°	3714.2	3754.3	3901.4	3892.5	3901.4	3754.3	3714.2	3535.8	3415.4	3393.1	3402.0
15°	3990.6	4004.0	4035.2	4039.7	4035.2	4004.0	3990.6	3919.2	3558.1	3402.0	3353.0
17.5°	4017.3	4021.8	4044.1	4044.1	4044.1	4021.8	4017.3	3986.2	3865.8	3656.2	3379.8
20°	3995.0	4004.0	4048.6	4057.5	4048.6	4004.0	3995.0	3954.9	3888.1	3812.3	3602.7
22.5°	3986.2	4004.0	4039.7	4035.2	4039.7	4004.0	3986.2	3923.7	3865.8	3812.3	3727.5
25°	3941.6	3941.6	3946.0	3950.5	3946.0	3941.6	3941.6	3892.5	3776.6	3763.2	3714.2
27.5°	3847.9	3856.9	3883.6	3879.1	3883.6	3856.9	3847.9	3830.1	3705.3	3691.9	3656.2
30°	3763.2	3754.3	3732.0	3714.2	3732.0	3754.3	3763.2	3736.5	3611.6	3575.9	3584.9
32.5°	3620.5	3598.2	3575.9	3562.6	3575.9	3598.2	3620.5	3611.6	3517.9	3468.9	3477.8
35°	3451.1	3455.6	3451.1	3437.8	3451.1	3455.6	3451.1	3460.0	3402.0	3357.5	3353.0
37.5°	3330.7	3339.7	3335.2	3317.3	3335.2	3339.7	3330.7	3321.8	3241.5	3228.2	3237.1
40°	3205.9	3210.4	3205.9	3192.4	3205.9	3210.4	3205.9	3188.1	3076.6	3081.0	3112.3
42.5°	3085.5	3081.0	3067.6	3058.7	3067.6	3081.0	3085.5	3058.7	2916.0	2902.7	2960.7
45°	2947.2	2951.7	2924.9	2911.6	2924.9	2951.7	2947.2	2929.4	2782.3	2746.6	2786.8
47.5°	2809.1	2809.1	2786.8	2773.3	2786.8	2809.1	2809.1	2786.8	2630.7	2595.0	2617.3
50°	2661.9	2657.5	2626.2	2621.7	2626.2	2657.5	2661.9	2648.5	2483.6	2452.3	2452.3
52.5°	2492.4	2492.4	2496.9	2505.8	2496.9	2492.4	2492.4	2496.9	2349.8	2318.5	2309.7
55°	2345.3	2349.8	2381.0	2389.9	2381.0	2349.8	2345.3	2345.3	2211.6	2180.4	2162.5
57.5°	2193.7	2193.7	2216.0	2216.0	2216.0	2193.7	2193.7	2184.8	2055.5	2028.8	2019.8
60°	2019.8	2028.8	2046.6	2042.1	2046.6	2028.8	2019.8	2010.9	1899.4	1881.6	1850.4
62.5°	1837.1	1845.9	1850.4	1841.4	1850.4	1845.9	1837.1	1810.3	1743.3	1730.0	1689.9
65°	1645.3	1654.2	1658.7	1649.7	1658.7	1654.2	1645.3	1631.9	1582.9	1560.6	1524.9
67.5°	1449.1	1444.6	1440.2	1458.0	1440.2	1444.6	1449.1	1431.3	1400.1	1382.2	1333.2
70°	1248.4	1248.4	1244.0	1252.9	1244.0	1248.4	1248.4	1235.1	1217.2	1203.9	1159.3
72.5°	1034.5	1030.0	1047.8	1034.5	1047.8	1030.0	1034.5	1030.0	1021.0	1007.7	963.1
75°	824.9	833.8	824.9	838.3	824.9	833.8	824.9	829.3	824.9	815.9	784.8
77.5°	628.7	637.6	628.7	628.7	628.7	637.6	628.7	633.2	633.2	633.2	606.4
80°	445.9	441.4	441.4	437.0	441.4	441.4	445.9	445.9	450.3	441.4	432.5
82.5°	285.4	280.9	280.9	289.8	280.9	280.9	285.4	289.8	280.9	280.9	280.9
85°	156.1	160.6	151.6	151.6	151.6	160.6	156.1	147.1	156.1	156.1	151.6
87.5°	58.0	53.5	53.5	53.5	53.5	53.5	58.0	62.4	62.4	62.4	66.8
90°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.4	17.8	20.0	17.2
92.5°	50.2	48.1	40.2	32.2	40.2	48.1	50.2	71.1	99.0	112.9	99.2
95°	170.2	164.2	140.0	115.8	140.0	164.2	170.2	223.5	294.6	330.2	278.9
97.5°	393.0	381.4	335.5	289.5	335.5	381.4	393.0	426.7	471.6	494.0	408.5
100°	551.8	538.1	483.4	428.6	483.4	538.1	551.8	549.4	546.1	544.5	449.5
102.5°	687.4	675.7	628.8	581.9	628.8	675.7	687.4	644.5	587.3	558.7	462.4
105°	845.8	839.5	814.3	789.1	814.3	839.5	845.8	749.5	621.2	557.1	463.8
107.5°	928.2	929.7	935.8	941.9	935.8	929.7	928.2	793.9	614.9	525.4	443.2
110°	949.3	955.9	982.1	1008.4	982.1	955.9	949.3	799.2	599.1	499.1	424.9



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	935.8	945.9	986.2	1026.6	986.2	945.9	935.8	782.2	577.5	475.1	408.9
115°	890.2	904.1	960.1	1016.0	960.1	904.1	890.2	742.2	544.9	446.3	390.6
117.5°	827.1	842.6	904.7	966.7	904.7	842.6	827.1	693.6	515.6	426.5	379.2
120°	784.6	799.7	859.9	920.2	859.9	799.7	784.6	662.6	499.8	418.5	375.2
122.5°	742.1	756.9	816.5	875.9	816.5	756.9	742.1	632.2	485.7	412.5	373.2
125°	685.9	699.6	754.3	809.1	754.3	699.6	685.9	592.5	468.0	405.9	371.6
127.5°	640.7	652.3	698.5	744.7	698.5	652.3	640.7	560.6	453.7	400.3	370.6
130°	612.3	623.0	665.7	708.3	665.7	623.0	612.3	540.9	445.8	398.2	371.2
132.5°	588.0	597.6	635.8	674.0	635.8	597.6	588.0	524.2	439.0	396.4	371.6
135°	553.7	561.9	594.9	627.8	594.9	561.9	553.7	500.2	428.9	393.2	371.3
137.5°	528.3	535.1	562.0	589.1	562.0	535.1	528.3	483.1	422.8	392.7	373.5
140°	508.0	514.3	539.5	564.7	539.5	514.3	508.0	468.9	416.8	390.8	373.9
142.5°	493.8	499.2	520.9	542.6	520.9	499.2	493.8	459.4	413.7	390.8	375.2
145°	472.4	476.5	492.9	509.3	492.9	476.5	472.4	444.3	406.9	388.2	375.2
147.5°	454.4	457.9	471.5	485.1	471.5	457.9	454.4	432.4	403.0	388.2	377.8
150°	444.2	446.9	457.9	468.9	457.9	446.9	444.2	425.5	400.7	388.2	379.2
152.5°	436.0	438.1	446.4	454.7	446.4	438.1	436.0	420.1	398.8	388.2	380.0
155°	426.2	427.6	433.1	438.6	433.1	427.6	426.2	413.6	396.6	388.2	382.0
157.5°	417.7	418.7	422.6	426.5	422.6	418.7	417.7	407.9	394.8	388.2	383.9
160°	413.5	414.0	416.3	418.5	416.3	414.0	413.5	405.1	393.8	388.2	384.8
162.5°	409.6	410.1	412.2	414.3	412.2	410.1	409.6	402.4	393.0	388.2	385.7
165°	403.5	404.0	406.3	408.5	406.3	404.0	403.5	398.4	391.6	388.2	387.1
167.5°	400.9	401.1	402.0	403.0	402.0	401.1	400.9	397.5	393.0	390.8	389.9
170°	400.9	400.9	400.9	400.9	400.9	400.9	400.9	397.5	393.0	390.8	390.8
172.5°	398.7	398.6	397.7	396.9	397.7	398.6	398.7	396.1	392.6	390.8	390.8
175°	395.9	395.9	395.9	395.9	395.9	395.9	395.9	394.2	392.0	390.8	391.4
177.5°	395.3	395.1	394.2	393.2	394.2	395.1	395.3	394.0	392.2	391.4	391.8
180°	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2



TEST NUMBER: P934153

CATALOG NUMBER: SQ4-FA-025U-125D-93050-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	4713.0	4713.0	4713.0	4713.0	4713.0
2.5°	4655.0	4677.3	4690.7	4708.5	4753.1
5°	4476.6	4561.4	4588.1	4655.0	4735.2
7.5°	4084.3	4342.8	4414.2	4574.7	4699.5
10°	3705.3	3963.9	4088.7	4467.7	4655.0
12.5°	3513.6	3665.2	3749.8	4280.4	4592.5
15°	3393.1	3500.1	3562.6	4030.7	4521.2
17.5°	3299.5	3375.3	3419.9	3785.5	4423.1
20°	3241.5	3277.2	3317.3	3607.2	4311.7
22.5°	3201.4	3179.1	3210.4	3482.3	4160.1
25°	3174.6	3090.0	3125.6	3384.2	3981.7
27.5°	3196.9	3009.7	3023.0	3295.0	3794.4
30°	3201.4	2911.6	2916.0	3201.4	3584.9
32.5°	3170.2	2809.1	2813.5	3085.5	3348.5
35°	3094.4	2688.7	2684.2	2951.7	3027.5
37.5°	2991.8	2559.4	2559.4	2804.6	2675.3
40°	2867.0	2430.0	2443.4	2612.9	2363.2
42.5°	2715.4	2291.8	2309.7	2358.7	2131.3
45°	2550.4	2158.1	2171.4	1993.0	1952.9
47.5°	2367.6	2019.8	2024.3	1654.2	1895.0
50°	2149.1	1877.1	1859.3	1417.9	1890.5
52.5°	1957.4	1721.1	1667.5	1284.2	1716.6
55°	1770.1	1556.1	1440.2	1181.6	1591.7
57.5°	1605.2	1342.1	1230.6	1061.2	1565.0
60°	1453.6	1132.6	1047.8	931.9	1435.8
62.5°	1328.7	976.5	958.7	842.7	1302.0
65°	1194.9	869.4	865.0	766.9	1105.8
67.5°	1065.6	798.1	793.6	695.5	842.7
70°	927.4	722.3	713.4	619.7	624.2
72.5°	784.8	637.6	628.7	557.4	517.2
75°	642.0	539.5	535.1	486.0	419.1
77.5°	503.9	428.1	437.0	392.3	307.7
80°	361.2	312.1	321.0	280.9	231.9
82.5°	240.7	205.1	214.0	178.4	156.1
85°	133.8	115.9	120.4	93.6	71.3
87.5°	62.4	53.5	53.5	35.7	22.3
90°	11.6	7.4	6.9	4.7	2.6
92.5°	71.6	50.9	46.5	28.5	10.5
95°	176.2	99.2	91.0	58.1	25.3
97.5°	237.3	109.0	101.8	72.8	43.8
100°	259.6	117.2	110.6	84.3	58.1
102.5°	269.8	125.3	119.2	94.7	70.2
105°	277.4	137.5	132.3	111.5	90.8
107.5°	278.8	155.5	150.6	131.2	111.9
110°	276.7	165.5	161.1	143.6	126.1



TEST NUMBER: P934153

CATALOG NUMBER: SQ4-FA-025U-125D-93050-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	276.8	177.6	173.5	156.8	140.2
115°	279.3	195.9	192.0	176.6	161.3
117.5°	284.5	213.5	210.0	196.0	182.1
120°	288.7	223.8	220.5	207.4	194.2
122.5°	294.8	235.9	232.6	219.4	206.1
125°	303.0	251.5	248.6	236.4	224.3
127.5°	311.2	266.6	263.5	251.3	239.1
130°	317.2	276.6	273.3	260.2	247.0
132.5°	322.0	284.7	281.5	268.3	255.2
135°	327.3	294.2	291.2	279.3	267.4
137.5°	335.2	306.4	303.4	291.6	279.7
140°	340.0	314.6	311.9	300.9	290.0
142.5°	344.0	320.7	318.1	308.0	297.9
145°	349.3	329.9	327.7	318.9	310.1
147.5°	357.0	341.5	339.4	330.8	322.2
150°	361.1	347.5	345.6	337.9	330.2
152.5°	363.7	351.5	350.0	344.2	338.3
155°	369.5	360.2	359.1	354.7	350.4
157.5°	375.4	369.0	367.9	363.6	359.4
160°	378.0	372.9	372.1	368.8	365.5
162.5°	380.8	377.1	376.5	374.1	371.6
165°	384.9	383.2	382.7	380.4	378.2
167.5°	388.0	386.6	386.4	385.3	384.3
170°	390.7	390.6	390.3	389.3	388.2
172.5°	390.8	390.8	390.8	390.6	390.3
175°	392.4	393.2	393.2	393.2	393.2
177.5°	392.6	393.2	393.2	393.2	393.2
180°	393.2	393.2	393.2	393.2	393.2



TEST NUMBER: P934153  
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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	16.73	17.99	17.35	18.62	19.33	19.58	20.84	20.20	21.47	22.18
	3H	17.24	18.37	17.87	19.01	19.75	20.96	22.10	21.59	22.73	23.48
	4H	17.45	18.51	18.10	19.16	19.92	21.43	22.50	22.08	23.15	23.91
	6H	17.59	18.57	18.25	19.23	20.01	21.74	22.73	22.40	23.39	24.16
	8H	17.60	18.54	18.27	19.22	20.00	21.83	22.77	22.50	23.45	24.23
	12H	17.58	18.48	18.26	19.15	19.96	21.89	22.78	22.56	23.46	24.26
4H	2H	17.82	18.88	18.47	19.53	20.29	20.04	21.11	20.69	21.75	22.51
	3H	18.88	19.77	19.54	20.46	21.24	21.59	22.48	22.25	23.16	23.94
	4H	19.17	19.98	19.85	20.67	21.48	22.14	22.94	22.82	23.63	24.44
	6H	19.32	20.02	20.02	20.74	21.56	22.53	23.23	23.23	23.95	24.77
	8H	19.33	19.99	20.04	20.70	21.54	22.65	23.30	23.35	24.02	24.85
	12H	19.32	19.91	20.05	20.65	21.48	22.73	23.32	23.45	24.05	24.89
8H	4H	19.66	20.32	20.37	21.03	21.86	22.29	22.95	23.00	23.66	24.49
	6H	19.94	20.48	20.68	21.24	22.07	22.75	23.29	23.49	24.05	24.88
	8H	19.98	20.47	20.73	21.23	22.08	22.91	23.39	23.66	24.15	25.00
	12H	19.99	20.41	20.74	21.16	22.07	23.03	23.46	23.78	24.20	25.12
12H	4H	19.69	20.27	20.41	21.01	21.85	22.27	22.86	23.00	23.60	24.44
	6H	20.00	20.49	20.75	21.25	22.10	22.75	23.23	23.50	23.99	24.84
	8H	20.09	20.52	20.84	21.26	22.18	22.93	23.36	23.68	24.11	25.02