

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: P934558

Luminaire Tested: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-4-3500K

Issue Date: 12/17/2024

**Test Information**

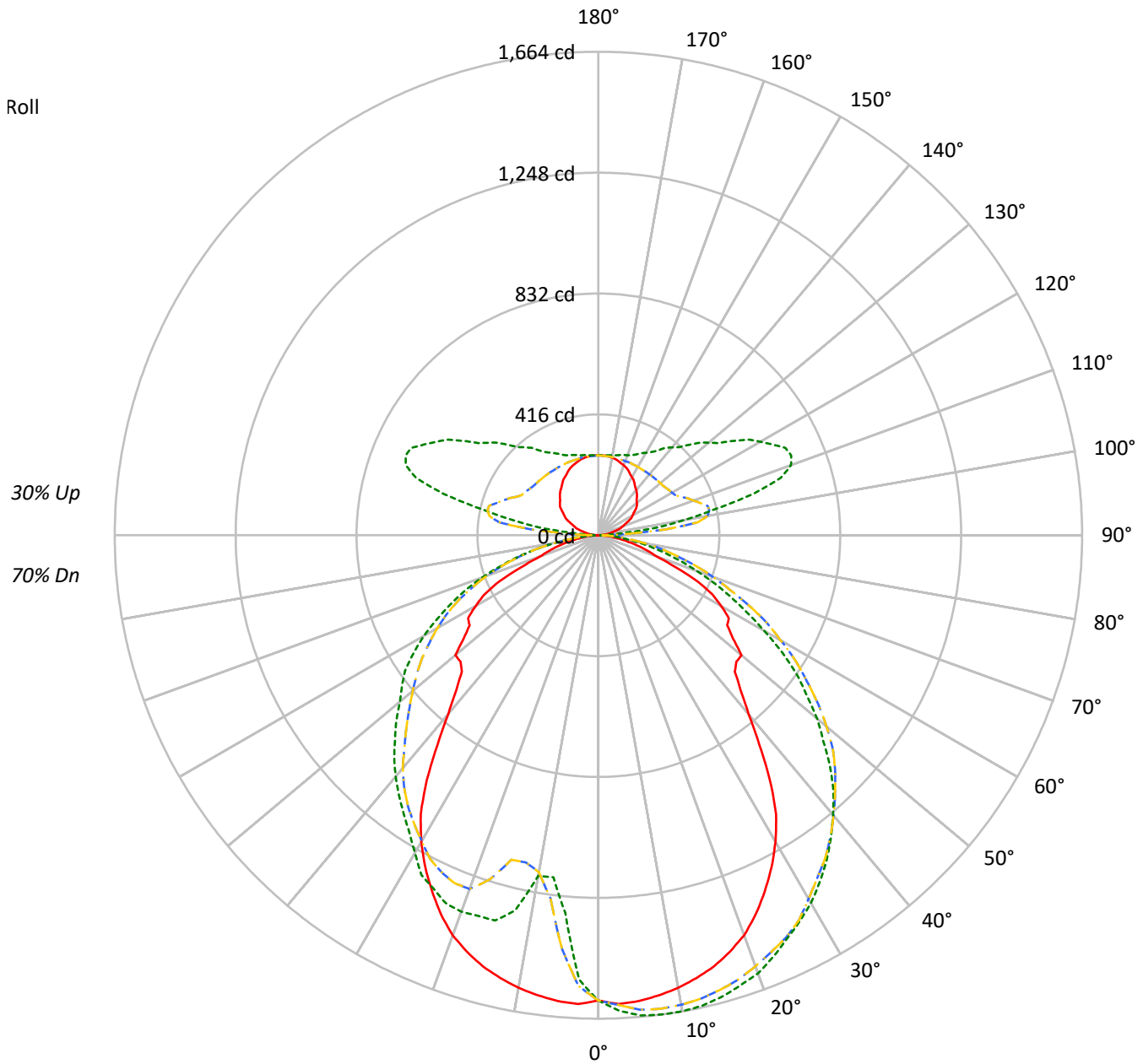
Test Method: LM-79-2019  
Report Number: P934558  
REPORT IS A COMBINATION OF REPORTS P933702 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-4-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5935.9 lumens  
Efficiency: N/A  
Efficacy: 106.0 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct  
  
Input Watts (W): 56  
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: P934558  
CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-4-3500K

### 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									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	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	0															
1	102	98	94	90	97	93	89	86	83	80	78	74	72	70	66	65	63	63	63	63	63	63	63	63	63	63	63	63	63	63	59															
2	93	86	79	74	88	81	76	71	73	68	65	65	62	59	58	56	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50															
3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42															
4	78	67	58	52	73	63	56	50	57	51	46	51	47	43	46	42	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36															
5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31															
6	66	53	45	39	62	51	43	38	46	40	35	42	36	32	38	33	30	30	30	30	30	30	30	30	30	30	30	30	30	30	27															
7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	27	27	27	27	27	27	27	27	27	27	27	27	27	27	24															
8	57	44	36	30	54	42	35	29	38	32	28	35	30	26	31	27	24	24	24	24	24	24	24	24	24	24	24	24	24	24	22															
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	21	21	21	21	21	21	21	21	21	21	21	21	21	19															
10	49	37	30	25	47	35	28	24	32	26	22	30	25	21	27	23	19	19	19	19	19	19	19	19	19	19	19	19	19	19	18															

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

	0°	90°	180°	270°
0°	14861	14861	14861	14861
5°	14956	15001	14956	11796
10°	14839	14778	14839	10565
15°	14661	14457	14661	12072
20°	14338	14078	14338	12097
25°	13693	13524	13693	11840
30°	12867	13065	12867	11278
35°	11454	12484	11454	10659
40°	9527	11800	9527	10192
45°	8496	11000	8496	9655
50°	9005	10045	9005	9115
55°	8449	9016	8449	8803
60°	8679	7658	8679	8064
65°	7831	6331	7831	7076
70°	5385	5046	5385	5931
75°	4670	3730	4670	4466
80°	3688	2466	3688	2683
85°	2012	1306	2012	1110

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13047 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.6	2.4
10°-20°	410.5	6.9
20°-30°	634.5	10.7
30°-40°	757.5	12.8
40°-50°	761.9	12.8
50°-60°	662.9	11.2
60°-70°	470.0	7.9
70°-80°	248.7	4.2
80°-90°	63.0	1.1
90°-100°	134.0	2.3
100°-110°	352.4	5.9
110°-120°	365.4	6.2
120°-130°	293.1	4.9
130°-140°	230.0	3.9
140°-150°	176.5	3.0
150°-160°	127.1	2.1
160°-170°	77.8	1.3
170°-180°	26.3	0.4
0°-30°	1189.5	20.0
0°-40°	1947.0	32.8
0°-60°	3371.8	56.8
0°-90°	4153.5	70.0
90°-120°	851.7	14.3
90°-150°	1551.3	26.1
90°-180°	1782.0	30.0
0°-180°	5935.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1602	1602	1602	1602	1602	
5°	1609	1659	1609	1305	1609	153
15°	1536	1644	1536	1373	1536	432
25°	1353	1533	1353	1342	1353	621
35°	1029	1368	1029	1168	1029	636
45°	664	1127	664	989	664	532
55°	541	832	541	812	541	497
65°	376	502	376	561	376	359
75°	142	238	142	285	142	150
85°	24	61	24	52	24	33
90°	2	7	2	7	2	3
95°	18	81	18	81	18	20
105°	64	552	64	552	64	67
115°	113	710	113	710	113	111
125°	157	566	157	566	157	139
135°	187	439	187	439	187	145
145°	217	356	217	356	217	136
155°	245	307	245	307	245	113
165°	264	286	264	286	264	75
175°	275	277	275	277	275	26
180°	275	275	275	275	275	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5
2.5°	1615.1	1615.1	1624.3	1627.3	1627.3	1622.8	1618.2	1622.8	1636.4	1640.9	1639.4
5°	1609.1	1621.2	1637.9	1640.9	1644.0	1642.4	1639.4	1642.4	1657.6	1660.6	1662.1
7.5°	1597.0	1619.7	1640.9	1645.5	1650.0	1645.5	1644.0	1647.0	1662.1	1665.2	1665.2
10°	1581.8	1613.6	1637.9	1640.9	1645.5	1640.9	1640.9	1647.0	1662.1	1665.2	1666.7
12.5°	1560.6	1604.6	1627.3	1630.3	1636.4	1634.8	1633.3	1639.4	1654.5	1657.6	1657.6
15°	1536.4	1587.9	1609.1	1612.1	1622.8	1619.7	1619.7	1625.8	1642.4	1647.0	1645.5
17.5°	1503.0	1566.7	1590.9	1595.4	1603.1	1601.5	1603.1	1609.1	1624.3	1627.3	1628.8
20°	1465.2	1537.9	1566.7	1571.2	1578.8	1578.8	1578.8	1586.4	1601.5	1607.6	1607.6
22.5°	1413.6	1507.6	1537.9	1540.9	1550.0	1550.0	1553.0	1563.7	1577.3	1578.8	1578.8
25°	1353.0	1474.2	1500.0	1509.1	1518.2	1522.7	1527.3	1533.3	1537.9	1536.4	1537.9
27.5°	1289.4	1431.8	1465.2	1471.2	1483.4	1487.9	1493.9	1495.4	1497.0	1501.5	1498.5
30°	1218.2	1372.7	1422.7	1428.8	1448.5	1451.5	1445.5	1448.5	1456.0	1459.1	1462.1
32.5°	1137.9	1284.9	1378.8	1392.4	1410.7	1401.5	1400.0	1404.6	1416.7	1416.7	1419.7
35°	1028.8	1216.6	1337.9	1350.0	1363.6	1353.0	1359.1	1360.6	1368.2	1372.7	1371.3
37.5°	909.1	1157.5	1295.4	1304.6	1315.1	1301.5	1310.6	1315.1	1321.2	1318.2	1318.2
40°	803.0	1065.2	1245.5	1251.6	1260.6	1250.0	1259.1	1262.1	1265.2	1262.1	1260.6
42.5°	724.2	963.6	1192.5	1200.0	1193.9	1201.5	1204.6	1210.6	1206.1	1200.0	1200.0
45°	663.6	936.4	1134.8	1143.9	1134.8	1147.0	1151.6	1151.6	1137.9	1134.8	1133.4
47.5°	643.9	881.8	1077.2	1077.2	1072.8	1087.9	1095.4	1084.8	1071.2	1066.7	1066.7
50°	642.4	821.2	998.5	992.5	1013.7	1031.8	1024.2	1013.7	1003.0	986.4	986.4
52.5°	583.3	747.0	897.0	919.7	953.1	963.6	951.5	940.9	922.7	915.2	909.1
55°	540.9	669.7	804.5	850.0	884.8	898.4	875.8	865.1	837.9	833.4	830.3
57.5°	531.8	557.6	719.7	777.3	819.7	818.2	804.5	784.8	762.1	757.6	756.1
60°	487.9	403.1	628.8	697.0	740.9	736.4	724.2	706.0	684.8	681.8	678.8
62.5°	442.5	292.4	525.7	603.0	665.1	663.6	653.0	625.7	610.6	603.0	597.0
65°	375.8	245.5	374.2	501.6	590.9	593.9	571.2	551.5	534.9	525.7	524.2
67.5°	286.3	200.0	253.0	418.2	519.7	516.7	487.9	478.8	457.6	453.0	444.0
70°	212.1	133.3	175.7	339.4	450.0	442.5	419.7	409.1	389.4	378.8	372.7
72.5°	175.7	107.6	128.7	263.7	378.8	369.7	350.0	337.9	321.2	312.1	306.0
75°	142.4	113.6	98.5	195.4	307.5	301.5	283.4	271.2	257.6	245.5	246.9
77.5°	104.6	106.1	78.8	144.0	244.0	234.8	224.3	209.1	203.1	190.9	190.9
80°	78.8	83.4	59.1	98.5	175.7	175.7	166.7	156.1	145.5	139.4	139.4
82.5°	53.0	53.0	44.0	62.1	119.7	115.1	109.0	106.1	100.0	97.0	97.0
85°	24.3	30.3	27.3	37.9	65.2	68.2	68.2	65.2	63.7	60.6	62.1
87.5°	7.6	13.6	16.7	21.2	33.3	34.8	36.3	36.3	36.3	37.9	37.9
90°	1.9	3.3	4.8	5.2	8.1	12.1	14.1	12.4	9.3	7.0	7.0
92.5°	7.3	19.9	32.5	35.6	50.0	69.3	79.0	69.2	49.7	35.1	33.7
95°	17.7	40.6	63.7	69.4	123.2	194.9	230.8	205.9	156.2	119.0	114.8
97.5°	30.6	50.9	71.1	76.2	165.9	285.6	345.4	329.7	298.3	274.8	266.7
100°	40.6	58.9	77.4	81.9	181.5	314.3	380.7	381.9	384.2	385.9	376.3
102.5°	49.1	66.3	83.4	87.7	188.6	323.3	390.6	410.7	450.7	480.7	472.5
105°	63.5	78.0	92.5	96.2	193.9	324.4	389.6	434.4	524.1	591.4	587.1
107.5°	78.3	91.8	105.3	108.7	194.9	310.0	367.4	430.0	555.2	649.0	650.1
110°	88.2	100.4	112.6	115.7	193.5	297.2	349.0	418.9	558.9	663.8	668.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	97.9	109.6	121.2	124.2	193.5	286.0	332.2	403.8	546.9	654.4	661.5
115°	112.7	123.5	134.2	136.9	195.3	273.1	312.0	381.0	518.9	622.4	632.2
117.5°	127.3	137.1	146.8	149.2	198.9	265.1	298.2	360.5	484.9	578.3	589.1
120°	135.8	145.0	154.2	156.5	201.9	262.4	292.7	349.5	463.3	548.6	559.2
122.5°	144.1	153.5	162.7	165.0	206.1	261.0	288.4	339.6	442.1	518.9	529.3
125°	156.9	165.3	173.7	175.8	211.8	259.8	283.8	327.3	414.4	479.6	489.2
127.5°	167.2	175.7	184.3	186.4	217.6	259.2	280.0	317.3	392.0	448.0	456.1
130°	172.7	181.9	191.1	193.4	221.8	259.6	278.4	311.7	378.3	428.1	435.6
132.5°	178.4	187.7	196.8	199.1	225.2	259.8	277.2	306.9	366.5	411.1	417.8
135°	186.9	195.3	203.7	205.7	228.8	259.6	275.0	299.8	349.7	387.1	392.9
137.5°	195.6	203.9	212.2	214.2	234.4	261.2	274.6	295.6	337.8	369.4	374.2
140°	202.8	210.4	218.1	220.0	237.7	261.4	273.2	291.5	328.0	355.3	359.6
142.5°	208.3	215.4	222.4	224.2	240.6	262.3	273.2	289.3	321.2	345.2	349.0
145°	216.8	222.9	229.1	230.6	244.2	262.4	271.5	284.5	310.7	330.3	333.1
147.5°	225.4	231.3	237.3	238.8	249.7	264.2	271.5	281.8	302.3	317.7	320.2
150°	230.8	236.2	241.6	243.0	252.5	265.1	271.5	280.1	297.5	310.6	312.6
152.5°	236.5	240.7	244.8	245.8	254.4	265.7	271.5	278.9	293.8	304.9	306.3
155°	245.0	248.1	251.1	251.9	258.4	267.1	271.5	277.4	289.2	298.0	299.0
157.5°	251.3	254.3	257.2	257.9	262.4	268.4	271.5	276.0	285.2	292.1	292.9
160°	255.6	257.8	260.2	260.7	264.3	269.0	271.5	275.4	283.3	289.2	289.5
162.5°	259.8	261.5	263.2	263.7	266.3	269.8	271.5	274.8	281.4	286.4	286.8
165°	264.5	266.0	267.6	268.0	269.1	270.7	271.5	273.8	278.5	282.1	282.5
167.5°	268.7	269.4	270.1	270.3	271.3	272.6	273.2	274.9	278.0	280.3	280.5
170°	271.5	272.2	272.9	273.1	273.2	273.2	273.2	274.9	278.0	280.3	280.3
172.5°	272.9	273.1	273.2	273.2	273.2	273.2	273.2	274.5	276.9	278.8	278.6
175°	275.0	275.0	275.0	275.0	274.4	273.6	273.2	274.1	275.7	276.8	276.8
177.5°	275.0	275.0	275.0	275.0	274.5	274.0	273.7	274.3	275.6	276.5	276.3
180°	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5
2.5°	1642.4	1637.9	1642.4	1639.4	1640.9	1636.4	1622.8	1618.2	1622.8	1627.3	1627.3
5°	1662.1	1659.1	1662.1	1662.1	1660.6	1657.6	1642.4	1639.4	1642.4	1644.0	1640.9
7.5°	1668.1	1663.7	1668.1	1665.2	1665.2	1662.1	1647.0	1644.0	1645.5	1650.0	1645.5
10°	1668.1	1663.7	1668.1	1666.7	1665.2	1662.1	1647.0	1640.9	1640.9	1645.5	1640.9
12.5°	1660.6	1657.6	1660.6	1657.6	1657.6	1654.5	1639.4	1633.3	1634.8	1636.4	1630.3
15°	1648.4	1644.0	1648.4	1645.5	1647.0	1642.4	1625.8	1619.7	1619.7	1622.8	1612.1
17.5°	1630.3	1624.3	1630.3	1628.8	1627.3	1624.3	1609.1	1603.1	1601.5	1603.1	1595.4
20°	1609.1	1604.6	1609.1	1607.6	1607.6	1601.5	1586.4	1578.8	1578.8	1578.8	1571.2
22.5°	1575.7	1571.2	1575.7	1578.8	1578.8	1577.3	1563.7	1553.0	1550.0	1550.0	1540.9
25°	1537.9	1533.3	1537.9	1537.9	1536.4	1537.9	1533.3	1527.3	1522.7	1518.2	1509.1
27.5°	1501.5	1498.5	1501.5	1498.5	1501.5	1497.0	1495.4	1493.9	1487.9	1483.4	1471.2
30°	1465.2	1462.1	1465.2	1462.1	1459.1	1456.0	1448.5	1445.5	1451.5	1448.5	1428.8
32.5°	1419.7	1416.7	1419.7	1419.7	1416.7	1416.7	1404.6	1400.0	1401.5	1410.7	1392.4
35°	1372.7	1368.2	1372.7	1371.3	1372.7	1368.2	1360.6	1359.1	1353.0	1363.6	1350.0
37.5°	1318.2	1313.6	1318.2	1318.2	1318.2	1321.2	1315.1	1310.6	1301.5	1315.1	1304.6
40°	1262.1	1256.0	1262.1	1260.6	1262.1	1265.2	1262.1	1259.1	1250.0	1260.6	1251.6
42.5°	1198.5	1196.9	1198.5	1200.0	1200.0	1206.1	1210.6	1204.6	1201.5	1193.9	1200.0
45°	1130.3	1127.3	1130.3	1133.4	1134.8	1137.9	1151.6	1151.6	1147.0	1134.8	1143.9
47.5°	1057.5	1050.0	1057.5	1066.7	1066.7	1071.2	1084.8	1095.4	1087.9	1072.8	1077.2
50°	980.3	981.8	980.3	986.4	986.4	1003.0	1013.7	1024.2	1031.8	1013.7	992.5
52.5°	904.5	903.0	904.5	909.1	915.2	922.7	940.9	951.5	963.6	953.1	919.7
55°	828.8	831.8	828.8	830.3	833.4	837.9	865.1	875.8	898.4	884.8	850.0
57.5°	753.0	748.5	753.0	756.1	757.6	762.1	784.8	804.5	818.2	819.7	777.3
60°	665.1	659.1	665.1	678.8	681.8	684.8	706.0	724.2	736.4	740.9	697.0
62.5°	587.9	577.3	587.9	597.0	603.0	610.6	625.7	653.0	663.6	665.1	603.0
65°	506.0	501.6	506.0	524.2	525.7	534.9	551.5	571.2	593.9	590.9	501.6
67.5°	431.8	431.8	431.8	444.0	453.0	457.6	478.8	487.9	516.7	519.7	418.2
70°	363.7	362.2	363.7	372.7	378.8	389.4	409.1	419.7	442.5	450.0	339.4
72.5°	298.5	297.0	298.5	306.0	312.1	321.2	337.9	350.0	369.7	378.8	263.7
75°	240.9	237.9	240.9	246.9	245.5	257.6	271.2	283.4	301.5	307.5	195.4
77.5°	184.9	184.9	184.9	190.9	190.9	203.1	209.1	224.3	234.8	244.0	144.0
80°	137.9	136.4	137.9	139.4	139.4	145.5	156.1	166.7	175.7	175.7	98.5
82.5°	97.0	93.9	97.0	97.0	97.0	100.0	106.1	109.0	115.1	119.7	62.1
85°	60.6	60.6	60.6	62.1	60.6	63.7	65.2	68.2	68.2	65.2	37.9
87.5°	39.4	37.9	39.4	37.9	37.9	36.3	36.3	36.3	34.8	33.3	21.2
90°	7.0	7.0	7.0	7.0	7.0	9.3	12.4	14.1	12.1	8.1	5.2
92.5°	28.1	22.5	28.1	33.7	35.1	49.7	69.2	79.0	69.3	50.0	35.6
95°	97.9	81.0	97.9	114.8	119.0	156.2	205.9	230.8	194.9	123.2	69.4
97.5°	234.6	202.4	234.6	266.7	274.8	298.3	329.7	345.4	285.6	165.9	76.2
100°	338.0	299.7	338.0	376.3	385.9	384.2	381.9	380.7	314.3	181.5	81.9
102.5°	439.7	406.9	439.7	472.5	480.7	450.7	410.7	390.6	323.3	188.6	87.7
105°	569.4	551.8	569.4	587.1	591.4	524.1	434.4	389.6	324.4	193.9	96.2
107.5°	654.3	658.6	654.3	650.1	649.0	555.2	430.0	367.4	310.0	194.9	108.7
110°	686.7	705.1	686.7	668.4	663.8	558.9	418.9	349.0	297.2	193.5	115.7





TEST NUMBER: P934558

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-4-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	689.7	717.9	689.7	661.5	654.4	546.9	403.8	332.2	286.0	193.5	124.2
115°	671.3	710.4	671.3	632.2	622.4	518.9	381.0	312.0	273.1	195.3	136.9
117.5°	632.5	676.0	632.5	589.1	578.3	484.9	360.5	298.2	265.1	198.9	149.2
120°	601.3	643.5	601.3	559.2	548.6	463.3	349.5	292.7	262.4	201.9	156.5
122.5°	570.9	612.5	570.9	529.3	518.9	442.1	339.6	288.4	261.0	206.1	165.0
125°	527.4	565.7	527.4	489.2	479.6	414.4	327.3	283.8	259.8	211.8	175.8
127.5°	488.4	520.7	488.4	456.1	448.0	392.0	317.3	280.0	259.2	217.6	186.4
130°	465.5	495.3	465.5	435.6	428.1	378.3	311.7	278.4	259.6	221.8	193.4
132.5°	444.5	471.3	444.5	417.8	411.1	366.5	306.9	277.2	259.8	225.2	199.1
135°	416.0	439.0	416.0	392.9	387.1	349.7	299.8	275.0	259.6	228.8	205.7
137.5°	393.0	411.8	393.0	374.2	369.4	337.8	295.6	274.6	261.2	234.4	214.2
140°	377.3	394.9	377.3	359.6	355.3	328.0	291.5	273.2	261.4	237.7	220.0
142.5°	364.2	379.4	364.2	349.0	345.2	321.2	289.3	273.2	262.3	240.6	224.2
145°	344.7	356.2	344.7	333.1	330.3	310.7	284.5	271.5	262.4	244.2	230.6
147.5°	329.7	339.1	329.7	320.2	317.7	302.3	281.8	271.5	264.2	249.7	238.8
150°	320.3	328.0	320.3	312.6	310.6	297.5	280.1	271.5	265.1	252.5	243.0
152.5°	312.1	317.9	312.1	306.3	304.9	293.8	278.9	271.5	265.7	254.4	245.8
155°	302.9	306.7	302.9	299.0	298.0	289.2	277.4	271.5	267.1	258.4	251.9
157.5°	295.5	298.2	295.5	292.9	292.1	285.2	276.0	271.5	268.4	262.4	257.9
160°	291.2	292.7	291.2	289.5	289.2	283.3	275.4	271.5	269.0	264.3	260.7
162.5°	288.3	289.7	288.3	286.8	286.4	281.4	274.8	271.5	269.8	266.3	263.7
165°	284.1	285.7	284.1	282.5	282.1	278.5	273.8	271.5	270.7	269.1	268.0
167.5°	281.1	281.8	281.1	280.5	280.3	278.0	274.9	273.2	272.6	271.3	270.3
170°	280.3	280.3	280.3	280.3	280.3	278.0	274.9	273.2	273.2	273.2	273.1
172.5°	278.1	277.5	278.1	278.6	278.8	276.9	274.5	273.2	273.2	273.2	273.2
175°	276.8	276.8	276.8	276.8	276.8	275.7	274.1	273.2	273.6	274.4	275.0
177.5°	275.7	275.0	275.7	276.3	276.5	275.6	274.3	273.7	274.0	274.5	275.0
180°	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0



TEST NUMBER: P934558

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-4-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5
2.5°	1624.3	1615.1	1615.1	1600.0	1593.9	1589.4	1581.8	1559.1	1553.0	1547.0	1556.1
5°	1637.9	1621.2	1609.1	1581.8	1559.1	1550.0	1521.2	1466.7	1430.4	1403.0	1387.9
7.5°	1640.9	1619.7	1597.0	1554.5	1500.0	1475.7	1387.9	1287.9	1260.6	1236.3	1221.2
10°	1637.9	1613.6	1581.8	1518.2	1389.4	1347.0	1259.1	1193.9	1177.2	1172.8	1177.2
12.5°	1627.3	1604.6	1560.6	1454.5	1274.2	1245.5	1193.9	1156.0	1153.1	1160.6	1201.5
15°	1609.1	1587.9	1536.4	1369.7	1210.6	1189.4	1153.1	1139.4	1156.0	1209.1	1331.9
17.5°	1590.9	1566.7	1503.0	1286.4	1162.1	1147.0	1121.2	1148.5	1242.4	1313.6	1354.5
20°	1566.7	1537.9	1465.2	1225.8	1127.3	1113.7	1101.5	1224.2	1295.4	1321.2	1344.0
22.5°	1537.9	1507.6	1413.6	1183.3	1090.9	1080.3	1087.9	1266.7	1295.4	1313.6	1333.3
25°	1500.0	1474.2	1353.0	1150.0	1062.1	1050.0	1078.8	1262.1	1278.8	1283.3	1322.7
27.5°	1465.2	1431.8	1289.4	1119.7	1027.3	1022.7	1086.4	1242.4	1254.5	1259.1	1301.5
30°	1422.7	1372.7	1218.2	1087.9	990.9	989.4	1087.9	1218.2	1215.1	1227.3	1269.7
32.5°	1378.8	1284.9	1137.9	1048.5	956.1	954.6	1077.2	1181.8	1178.8	1195.4	1227.3
35°	1337.9	1216.6	1028.8	1003.0	912.1	913.7	1051.5	1139.4	1140.9	1156.0	1175.7
37.5°	1295.4	1157.5	909.1	953.1	869.7	869.7	1016.6	1100.0	1096.9	1101.5	1128.8
40°	1245.5	1065.2	803.0	887.9	830.3	825.7	974.3	1057.5	1047.0	1045.5	1083.3
42.5°	1192.5	963.6	724.2	801.5	784.8	778.8	922.7	1006.1	986.4	990.9	1039.4
45°	1134.8	936.4	663.6	677.3	737.9	733.4	866.7	947.0	933.4	945.4	995.5
47.5°	1077.2	881.8	643.9	562.2	687.9	686.3	804.5	889.4	881.8	894.0	947.0
50°	998.5	821.2	642.4	481.9	631.8	637.9	730.3	833.4	833.4	843.9	900.0
52.5°	897.0	747.0	583.3	436.4	566.6	584.8	665.1	784.8	787.9	798.5	848.5
55°	804.5	669.7	540.9	401.5	489.4	528.8	601.6	734.9	740.9	751.5	797.0
57.5°	719.7	557.6	531.8	360.6	418.2	456.1	545.4	686.3	689.4	698.5	742.4
60°	628.8	403.1	487.9	316.7	356.1	384.8	493.9	628.8	639.4	645.4	683.3
62.5°	525.7	292.4	442.5	286.3	325.7	331.8	451.5	574.3	587.9	592.4	615.2
65°	374.2	245.5	375.8	260.6	293.9	295.5	406.0	518.2	530.3	537.9	554.6
67.5°	253.0	200.0	286.3	236.4	269.7	271.2	362.2	453.0	469.7	475.8	486.3
70°	175.7	133.3	212.1	210.6	242.5	245.5	315.1	393.9	409.1	413.6	419.7
72.5°	128.7	107.6	175.7	189.4	213.6	216.7	266.6	327.2	342.5	346.9	350.0
75°	98.5	113.6	142.4	165.2	181.8	183.4	218.2	266.6	277.3	280.3	281.8
77.5°	78.8	106.1	104.6	133.3	148.4	145.5	171.2	206.1	215.1	215.1	215.1
80°	59.1	83.4	78.8	95.4	109.0	106.1	122.7	147.0	150.0	153.0	151.5
82.5°	44.0	53.0	53.0	60.6	72.7	69.7	81.8	95.4	95.4	95.4	98.5
85°	27.3	30.3	24.3	31.8	40.9	39.4	45.5	51.5	53.0	53.0	50.0
87.5°	16.7	13.6	7.6	12.1	18.2	18.2	21.2	22.7	21.2	21.2	21.2
90°	4.8	3.3	1.9	3.3	4.8	5.2	8.1	12.1	14.1	12.4	9.3
92.5°	32.5	19.9	7.3	19.9	32.5	35.6	50.0	69.3	79.0	69.2	49.7
95°	63.7	40.6	17.7	40.6	63.7	69.4	123.2	194.9	230.8	205.9	156.2
97.5°	71.1	50.9	30.6	50.9	71.1	76.2	165.9	285.6	345.4	329.7	298.3
100°	77.4	58.9	40.6	58.9	77.4	81.9	181.5	314.3	380.7	381.9	384.2
102.5°	83.4	66.3	49.1	66.3	83.4	87.7	188.6	323.3	390.6	410.7	450.7
105°	92.5	78.0	63.5	78.0	92.5	96.2	193.9	324.4	389.6	434.4	524.1
107.5°	105.3	91.8	78.3	91.8	105.3	108.7	194.9	310.0	367.4	430.0	555.2
110°	112.6	100.4	88.2	100.4	112.6	115.7	193.5	297.2	349.0	418.9	558.9



TEST NUMBER: P934558

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-4-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	121.2	109.6	97.9	109.6	121.2	124.2	193.5	286.0	332.2	403.8	546.9
115°	134.2	123.5	112.7	123.5	134.2	136.9	195.3	273.1	312.0	381.0	518.9
117.5°	146.8	137.1	127.3	137.1	146.8	149.2	198.9	265.1	298.2	360.5	484.9
120°	154.2	145.0	135.8	145.0	154.2	156.5	201.9	262.4	292.7	349.5	463.3
122.5°	162.7	153.5	144.1	153.5	162.7	165.0	206.1	261.0	288.4	339.6	442.1
125°	173.7	165.3	156.9	165.3	173.7	175.8	211.8	259.8	283.8	327.3	414.4
127.5°	184.3	175.7	167.2	175.7	184.3	186.4	217.6	259.2	280.0	317.3	392.0
130°	191.1	181.9	172.7	181.9	191.1	193.4	221.8	259.6	278.4	311.7	378.3
132.5°	196.8	187.7	178.4	187.7	196.8	199.1	225.2	259.8	277.2	306.9	366.5
135°	203.7	195.3	186.9	195.3	203.7	205.7	228.8	259.6	275.0	299.8	349.7
137.5°	212.2	203.9	195.6	203.9	212.2	214.2	234.4	261.2	274.6	295.6	337.8
140°	218.1	210.4	202.8	210.4	218.1	220.0	237.7	261.4	273.2	291.5	328.0
142.5°	222.4	215.4	208.3	215.4	222.4	224.2	240.6	262.3	273.2	289.3	321.2
145°	229.1	222.9	216.8	222.9	229.1	230.6	244.2	262.4	271.5	284.5	310.7
147.5°	237.3	231.3	225.4	231.3	237.3	238.8	249.7	264.2	271.5	281.8	302.3
150°	241.6	236.2	230.8	236.2	241.6	243.0	252.5	265.1	271.5	280.1	297.5
152.5°	244.8	240.7	236.5	240.7	244.8	245.8	254.4	265.7	271.5	278.9	293.8
155°	251.1	248.1	245.0	248.1	251.1	251.9	258.4	267.1	271.5	277.4	289.2
157.5°	257.2	254.3	251.3	254.3	257.2	257.9	262.4	268.4	271.5	276.0	285.2
160°	260.2	257.8	255.6	257.8	260.2	260.7	264.3	269.0	271.5	275.4	283.3
162.5°	263.2	261.5	259.8	261.5	263.2	263.7	266.3	269.8	271.5	274.8	281.4
165°	267.6	266.0	264.5	266.0	267.6	268.0	269.1	270.7	271.5	273.8	278.5
167.5°	270.1	269.4	268.7	269.4	270.1	270.3	271.3	272.6	273.2	274.9	278.0
170°	272.9	272.2	271.5	272.2	272.9	273.1	273.2	273.2	273.2	274.9	278.0
172.5°	273.2	273.1	272.9	273.1	273.2	273.2	273.2	273.2	273.2	274.5	276.9
175°	275.0	275.0	275.0	275.0	275.0	275.0	274.4	273.6	273.2	274.1	275.7
177.5°	275.0	275.0	275.0	275.0	275.0	275.0	274.5	274.0	273.7	274.3	275.6
180°	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0



TEST NUMBER: P934558

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-4-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5
2.5°	1545.5	1540.9	1547.0	1530.3	1547.0	1540.9	1545.5	1556.1	1547.0	1553.0	1559.1
5°	1356.0	1348.5	1324.3	1304.6	1324.3	1348.5	1356.0	1387.9	1403.0	1430.4	1466.7
7.5°	1212.2	1206.1	1200.0	1187.9	1200.0	1206.1	1212.2	1221.2	1236.3	1260.6	1287.9
10°	1180.3	1181.8	1190.9	1189.4	1190.9	1181.8	1180.3	1177.2	1172.8	1177.2	1193.9
12.5°	1262.1	1275.7	1325.8	1322.7	1325.8	1275.7	1262.1	1201.5	1160.6	1153.1	1156.0
15°	1356.0	1360.6	1371.3	1372.7	1371.3	1360.6	1356.0	1331.9	1209.1	1156.0	1139.4
17.5°	1365.2	1366.7	1374.2	1374.2	1374.2	1366.7	1365.2	1354.5	1313.6	1242.4	1148.5
20°	1357.6	1360.6	1375.7	1378.8	1375.7	1360.6	1357.6	1344.0	1321.2	1295.4	1224.2
22.5°	1354.5	1360.6	1372.7	1371.3	1372.7	1360.6	1354.5	1333.3	1313.6	1295.4	1266.7
25°	1339.4	1339.4	1340.9	1342.4	1340.9	1339.4	1339.4	1322.7	1283.3	1278.8	1262.1
27.5°	1307.6	1310.6	1319.7	1318.2	1319.7	1310.6	1307.6	1301.5	1259.1	1254.5	1242.4
30°	1278.8	1275.7	1268.2	1262.1	1268.2	1275.7	1278.8	1269.7	1227.3	1215.1	1218.2
32.5°	1230.3	1222.7	1215.1	1210.6	1215.1	1222.7	1230.3	1227.3	1195.4	1178.8	1181.8
35°	1172.8	1174.2	1172.8	1168.2	1172.8	1174.2	1172.8	1175.7	1156.0	1140.9	1139.4
37.5°	1131.9	1134.8	1133.4	1127.3	1133.4	1134.8	1131.9	1128.8	1101.5	1096.9	1100.0
40°	1089.4	1090.9	1089.4	1084.8	1089.4	1090.9	1089.4	1083.3	1045.5	1047.0	1057.5
42.5°	1048.5	1047.0	1042.4	1039.4	1042.4	1047.0	1048.5	1039.4	990.9	986.4	1006.1
45°	1001.5	1003.0	994.0	989.4	994.0	1003.0	1001.5	995.5	945.4	933.4	947.0
47.5°	954.6	954.6	947.0	942.4	947.0	954.6	954.6	947.0	894.0	881.8	889.4
50°	904.5	903.0	892.4	890.9	892.4	903.0	904.5	900.0	843.9	833.4	833.4
52.5°	847.0	847.0	848.5	851.5	848.5	847.0	847.0	848.5	798.5	787.9	784.8
55°	797.0	798.5	809.1	812.1	809.1	798.5	797.0	797.0	751.5	740.9	734.9
57.5°	745.4	745.4	753.0	753.0	753.0	745.4	745.4	742.4	698.5	689.4	686.3
60°	686.3	689.4	695.5	694.0	695.5	689.4	686.3	683.3	645.4	639.4	628.8
62.5°	624.2	627.3	628.8	625.7	628.8	627.3	624.2	615.2	592.4	587.9	574.3
65°	559.1	562.2	563.6	560.6	563.6	562.2	559.1	554.6	537.9	530.3	518.2
67.5°	492.4	490.9	489.4	495.5	489.4	490.9	492.4	486.3	475.8	469.7	453.0
70°	424.2	424.2	422.8	425.7	422.8	424.2	424.2	419.7	413.6	409.1	393.9
72.5°	351.5	350.0	356.1	351.5	356.1	350.0	351.5	350.0	346.9	342.5	327.2
75°	280.3	283.4	280.3	284.9	280.3	283.4	280.3	281.8	280.3	277.3	266.6
77.5°	213.6	216.7	213.6	213.6	213.6	216.7	213.6	215.1	215.1	215.1	206.1
80°	151.5	150.0	150.0	148.4	150.0	150.0	151.5	151.5	153.0	150.0	147.0
82.5°	97.0	95.4	95.4	98.5	95.4	95.4	97.0	98.5	95.4	95.4	95.4
85°	53.0	54.5	51.5	51.5	51.5	54.5	53.0	50.0	53.0	53.0	51.5
87.5°	19.7	18.2	18.2	18.2	18.2	18.2	19.7	21.2	21.2	21.2	22.7
90°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	9.3	12.4	14.1	12.1
92.5°	35.1	33.7	28.1	22.5	28.1	33.7	35.1	49.7	69.2	79.0	69.3
95°	119.0	114.8	97.9	81.0	97.9	114.8	119.0	156.2	205.9	230.8	194.9
97.5°	274.8	266.7	234.6	202.4	234.6	266.7	274.8	298.3	329.7	345.4	285.6
100°	385.9	376.3	338.0	299.7	338.0	376.3	385.9	384.2	381.9	380.7	314.3
102.5°	480.7	472.5	439.7	406.9	439.7	472.5	480.7	450.7	410.7	390.6	323.3
105°	591.4	587.1	569.4	551.8	569.4	587.1	591.4	524.1	434.4	389.6	324.4
107.5°	649.0	650.1	654.3	658.6	654.3	650.1	649.0	555.2	430.0	367.4	310.0
110°	663.8	668.4	686.7	705.1	686.7	668.4	663.8	558.9	418.9	349.0	297.2



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	654.4	661.5	689.7	717.9	689.7	661.5	654.4	546.9	403.8	332.2	286.0
115°	622.4	632.2	671.3	710.4	671.3	632.2	622.4	518.9	381.0	312.0	273.1
117.5°	578.3	589.1	632.5	676.0	632.5	589.1	578.3	484.9	360.5	298.2	265.1
120°	548.6	559.2	601.3	643.5	601.3	559.2	548.6	463.3	349.5	292.7	262.4
122.5°	518.9	529.3	570.9	612.5	570.9	529.3	518.9	442.1	339.6	288.4	261.0
125°	479.6	489.2	527.4	565.7	527.4	489.2	479.6	414.4	327.3	283.8	259.8
127.5°	448.0	456.1	488.4	520.7	488.4	456.1	448.0	392.0	317.3	280.0	259.2
130°	428.1	435.6	465.5	495.3	465.5	435.6	428.1	378.3	311.7	278.4	259.6
132.5°	411.1	417.8	444.5	471.3	444.5	417.8	411.1	366.5	306.9	277.2	259.8
135°	387.1	392.9	416.0	439.0	416.0	392.9	387.1	349.7	299.8	275.0	259.6
137.5°	369.4	374.2	393.0	411.8	393.0	374.2	369.4	337.8	295.6	274.6	261.2
140°	355.3	359.6	377.3	394.9	377.3	359.6	355.3	328.0	291.5	273.2	261.4
142.5°	345.2	349.0	364.2	379.4	364.2	349.0	345.2	321.2	289.3	273.2	262.3
145°	330.3	333.1	344.7	356.2	344.7	333.1	330.3	310.7	284.5	271.5	262.4
147.5°	317.7	320.2	329.7	339.1	329.7	320.2	317.7	302.3	281.8	271.5	264.2
150°	310.6	312.6	320.3	328.0	320.3	312.6	310.6	297.5	280.1	271.5	265.1
152.5°	304.9	306.3	312.1	317.9	312.1	306.3	304.9	293.8	278.9	271.5	265.7
155°	298.0	299.0	302.9	306.7	302.9	299.0	298.0	289.2	277.4	271.5	267.1
157.5°	292.1	292.9	295.5	298.2	295.5	292.9	292.1	285.2	276.0	271.5	268.4
160°	289.2	289.5	291.2	292.7	291.2	289.5	289.2	283.3	275.4	271.5	269.0
162.5°	286.4	286.8	288.3	289.7	288.3	286.8	286.4	281.4	274.8	271.5	269.8
165°	282.1	282.5	284.1	285.7	284.1	282.5	282.1	278.5	273.8	271.5	270.7
167.5°	280.3	280.5	281.1	281.8	281.1	280.5	280.3	278.0	274.9	273.2	272.6
170°	280.3	280.3	280.3	280.3	280.3	280.3	280.3	278.0	274.9	273.2	273.2
172.5°	278.8	278.6	278.1	277.5	278.1	278.6	278.8	276.9	274.5	273.2	273.2
175°	276.8	276.8	276.8	276.8	276.8	276.8	276.8	275.7	274.1	273.2	273.6
177.5°	276.5	276.3	275.7	275.0	275.7	276.3	276.5	275.6	274.3	273.7	274.0
180°	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1601.5	1601.5	1601.5	1601.5	1601.5
2.5°	1581.8	1589.4	1593.9	1600.0	1615.1
5°	1521.2	1550.0	1559.1	1581.8	1609.1
7.5°	1387.9	1475.7	1500.0	1554.5	1597.0
10°	1259.1	1347.0	1389.4	1518.2	1581.8
12.5°	1193.9	1245.5	1274.2	1454.5	1560.6
15°	1153.1	1189.4	1210.6	1369.7	1536.4
17.5°	1121.2	1147.0	1162.1	1286.4	1503.0
20°	1101.5	1113.7	1127.3	1225.8	1465.2
22.5°	1087.9	1080.3	1090.9	1183.3	1413.6
25°	1078.8	1050.0	1062.1	1150.0	1353.0
27.5°	1086.4	1022.7	1027.3	1119.7	1289.4
30°	1087.9	989.4	990.9	1087.9	1218.2
32.5°	1077.2	954.6	956.1	1048.5	1137.9
35°	1051.5	913.7	912.1	1003.0	1028.8
37.5°	1016.6	869.7	869.7	953.1	909.1
40°	974.3	825.7	830.3	887.9	803.0
42.5°	922.7	778.8	784.8	801.5	724.2
45°	866.7	733.4	737.9	677.3	663.6
47.5°	804.5	686.3	687.9	562.2	643.9
50°	730.3	637.9	631.8	481.9	642.4
52.5°	665.1	584.8	566.6	436.4	583.3
55°	601.6	528.8	489.4	401.5	540.9
57.5°	545.4	456.1	418.2	360.6	531.8
60°	493.9	384.8	356.1	316.7	487.9
62.5°	451.5	331.8	325.7	286.3	442.5
65°	406.0	295.5	293.9	260.6	375.8
67.5°	362.2	271.2	269.7	236.4	286.3
70°	315.1	245.5	242.5	210.6	212.1
72.5°	266.6	216.7	213.6	189.4	175.7
75°	218.2	183.4	181.8	165.2	142.4
77.5°	171.2	145.5	148.4	133.3	104.6
80°	122.7	106.1	109.0	95.4	78.8
82.5°	81.8	69.7	72.7	60.6	53.0
85°	45.5	39.4	40.9	31.8	24.3
87.5°	21.2	18.2	18.2	12.1	7.6
90°	8.1	5.2	4.8	3.3	1.9
92.5°	50.0	35.6	32.5	19.9	7.3
95°	123.2	69.4	63.7	40.6	17.7
97.5°	165.9	76.2	71.1	50.9	30.6
100°	181.5	81.9	77.4	58.9	40.6
102.5°	188.6	87.7	83.4	66.3	49.1
105°	193.9	96.2	92.5	78.0	63.5
107.5°	194.9	108.7	105.3	91.8	78.3
110°	193.5	115.7	112.6	100.4	88.2



TEST NUMBER: P934558

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-4-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	193.5	124.2	121.2	109.6	97.9
115°	195.3	136.9	134.2	123.5	112.7
117.5°	198.9	149.2	146.8	137.1	127.3
120°	201.9	156.5	154.2	145.0	135.8
122.5°	206.1	165.0	162.7	153.5	144.1
125°	211.8	175.8	173.7	165.3	156.9
127.5°	217.6	186.4	184.3	175.7	167.2
130°	221.8	193.4	191.1	181.9	172.7
132.5°	225.2	199.1	196.8	187.7	178.4
135°	228.8	205.7	203.7	195.3	186.9
137.5°	234.4	214.2	212.2	203.9	195.6
140°	237.7	220.0	218.1	210.4	202.8
142.5°	240.6	224.2	222.4	215.4	208.3
145°	244.2	230.6	229.1	222.9	216.8
147.5°	249.7	238.8	237.3	231.3	225.4
150°	252.5	243.0	241.6	236.2	230.8
152.5°	254.4	245.8	244.8	240.7	236.5
155°	258.4	251.9	251.1	248.1	245.0
157.5°	262.4	257.9	257.2	254.3	251.3
160°	264.3	260.7	260.2	257.8	255.6
162.5°	266.3	263.7	263.2	261.5	259.8
165°	269.1	268.0	267.6	266.0	264.5
167.5°	271.3	270.3	270.1	269.4	268.7
170°	273.2	273.1	272.9	272.2	271.5
172.5°	273.2	273.2	273.2	273.1	272.9
175°	274.4	275.0	275.0	275.0	275.0
177.5°	274.5	275.0	275.0	275.0	275.0
180°	275.0	275.0	275.0	275.0	275.0



TEST NUMBER: P934558  
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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	15.84	16.91	16.60	17.70	18.65	18.63	19.71	19.40	20.50	21.45
	3H	16.33	17.30	17.11	18.09	19.08	19.99	20.95	20.76	21.75	22.73
	4H	16.53	17.44	17.33	18.25	19.24	20.43	21.34	21.23	22.15	23.14
	6H	16.66	17.50	17.47	18.32	19.32	20.72	21.56	21.53	22.38	23.39
	8H	16.67	17.47	17.49	18.30	19.31	20.80	21.60	21.62	22.43	23.44
	12H	16.65	17.41	17.47	18.24	19.27	20.84	21.60	21.66	22.43	23.47
4H	2H	16.89	17.80	17.69	18.60	19.60	19.07	19.98	19.87	20.79	21.78
	3H	17.93	18.69	18.75	19.53	20.54	20.59	21.35	21.40	22.19	23.20
	4H	18.22	18.91	19.05	19.75	20.79	21.12	21.81	21.94	22.65	23.69
	6H	18.36	18.95	19.20	19.82	20.86	21.49	22.08	22.33	22.95	23.99
	8H	18.37	18.93	19.21	19.78	20.84	21.59	22.15	22.44	23.01	24.07
	12H	18.35	18.85	19.21	19.73	20.79	21.66	22.16	22.52	23.04	24.10
8H	4H	18.68	19.24	19.53	20.10	21.16	21.26	21.82	22.11	22.68	23.73
	6H	18.96	19.42	19.83	20.32	21.37	21.70	22.16	22.57	23.06	24.12
	8H	19.00	19.41	19.88	20.30	21.38	21.85	22.26	22.73	23.15	24.23
	12H	18.99	19.35	19.88	20.24	21.37	21.95	22.31	22.84	23.20	24.32
12H	4H	18.70	19.20	19.57	20.08	21.14	21.23	21.74	22.10	22.61	23.68
	6H	19.02	19.43	19.90	20.32	21.40	21.70	22.11	22.58	23.00	24.08
	8H	19.09	19.45	19.98	20.34	21.47	21.86	22.22	22.75	23.11	24.24