

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: P934527

Luminaire Tested: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

**Test Information**

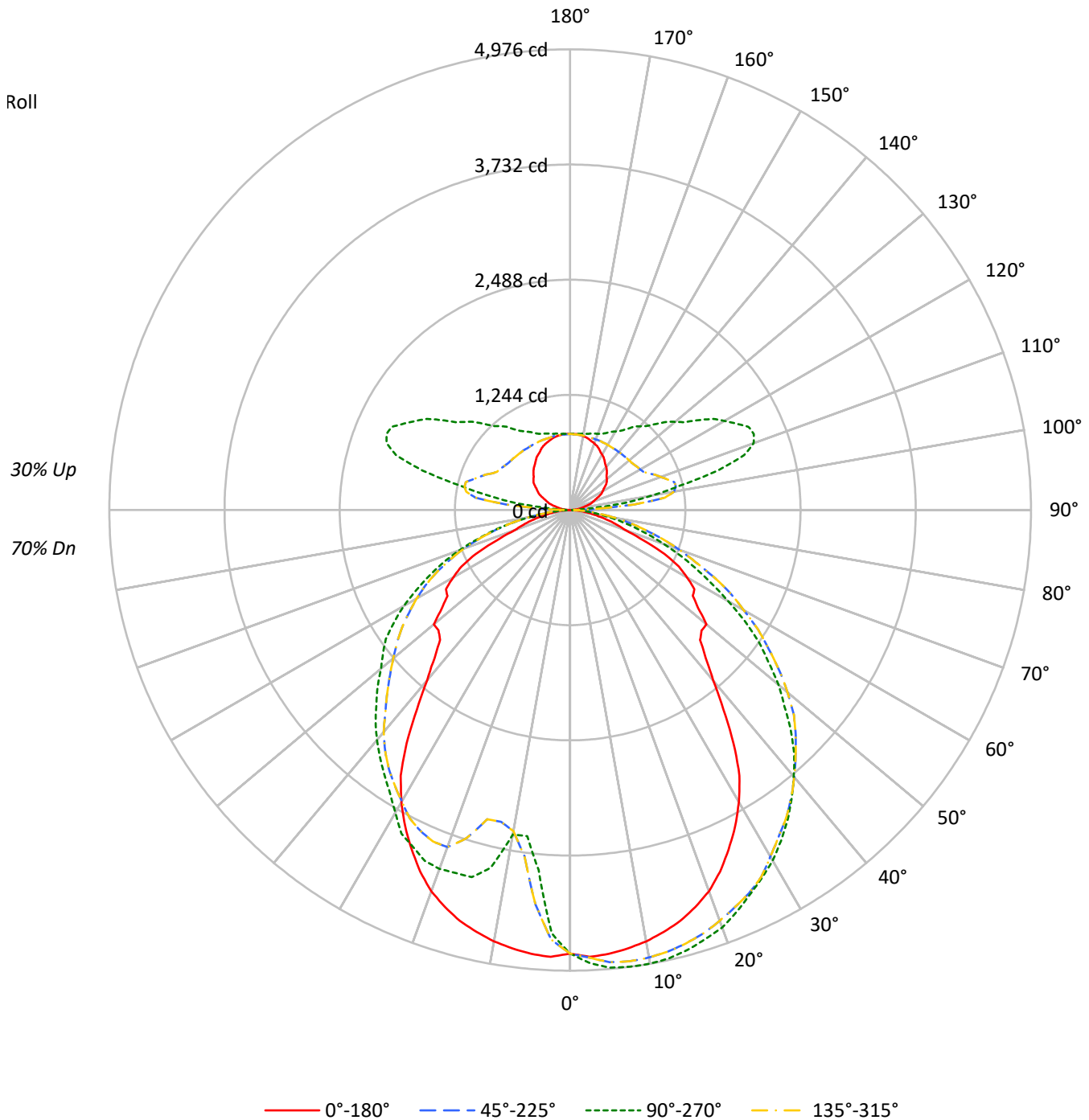
Test Method: LM-79-2019  
Report Number: P934527  
REPORT IS A COMBINATION OF REPORTS P933701 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17753.3 lumens  
Efficiency: N/A  
Efficacy: 105.7 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): 168  
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-050U-125D-92765-1D-UNV-STD-W-12-3500K

### Luminous Intensity Polar Plot





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

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

	0°	90°	180°	270°
0°	14815	14815	14815	14815
5°	14931	14955	14931	11759
10°	14837	14732	14837	10532
15°	14681	14412	14681	12035
20°	14380	14034	14380	12060
25°	13757	13483	13757	11804
30°	12950	13025	12950	11243
35°	11551	12446	11551	10627
40°	9630	11764	9630	10161
45°	8610	10966	8610	9625
50°	9155	10014	9155	9087
55°	8621	8989	8621	8776
60°	8898	7634	8898	8038
65°	8081	6311	8081	7054
70°	5609	5029	5609	5913
75°	4937	3718	4937	4452
80°	4009	2458	4009	2676
85°	2349	1302	2349	1107

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13188 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	432.4	2.4
10°-20°	1227.6	6.9
20°-30°	1897.6	10.7
30°-40°	2265.4	12.8
40°-50°	2278.7	12.8
50°-60°	1982.7	11.2
60°-70°	1405.8	7.9
70°-80°	743.7	4.2
80°-90°	188.4	1.1
90°-100°	400.9	2.3
100°-110°	1053.9	5.9
110°-120°	1092.8	6.2
120°-130°	876.5	4.9
130°-140°	687.8	3.9
140°-150°	527.9	3.0
150°-160°	380.2	2.1
160°-170°	232.6	1.3
170°-180°	78.6	0.4
0°-30°	3557.6	20.0
0°-40°	5822.9	32.8
0°-60°	10084.3	56.8
0°-90°	12422.2	70.0
90°-120°	2547.5	14.3
90°-150°	4639.7	26.1
90°-180°	5331.0	30.0
0°-180°	17753.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4790	4790	4790	4790	4790	
5°	4812	4962	4812	3902	4812	457
15°	4595	4917	4595	4106	4595	1293
25°	4047	4586	4047	4015	4047	1858
35°	3077	4092	3077	3494	3077	1904
45°	1985	3371	1985	2959	1985	1590
55°	1618	2488	1618	2429	1618	1487
65°	1124	1500	1124	1677	1124	1074
75°	426	711	426	852	426	448
85°	72	181	72	154	72	98
90°	6	21	6	21	6	8
95°	53	242	53	242	53	59
105°	190	1650	190	1650	190	201
115°	337	2125	337	2125	337	333
125°	469	1692	469	1692	469	416
135°	559	1313	559	1313	559	433
145°	648	1065	648	1065	648	406
155°	733	917	733	917	733	337
165°	791	854	791	854	791	223
175°	822	828	822	828	822	78
180°	822	822	822	822	822	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8
2.5°	4830.6	4830.6	4857.7	4866.8	4866.8	4853.2	4839.6	4853.2	4894.0	4907.6	4903.1
5°	4812.4	4848.7	4898.5	4907.6	4916.6	4912.1	4903.1	4912.1	4957.4	4966.5	4971.0
7.5°	4776.1	4844.2	4907.6	4921.2	4934.8	4921.2	4916.6	4925.7	4971.0	4980.1	4980.1
10°	4730.9	4826.0	4898.5	4907.6	4921.2	4907.6	4907.6	4925.7	4971.0	4980.1	4984.7
12.5°	4667.4	4798.8	4866.8	4875.8	4894.0	4889.4	4885.0	4903.1	4948.3	4957.4	4957.4
15°	4594.9	4749.0	4812.4	4821.5	4853.2	4844.2	4844.2	4862.3	4912.1	4925.7	4921.2
17.5°	4495.2	4685.5	4758.0	4771.7	4794.3	4789.8	4794.3	4812.4	4857.7	4866.8	4871.3
20°	4382.0	4599.4	4685.5	4699.1	4721.8	4721.8	4721.8	4744.5	4789.8	4807.9	4807.9
22.5°	4227.9	4508.8	4599.4	4608.5	4635.7	4635.7	4644.7	4676.4	4717.2	4721.8	4721.8
25°	4046.6	4409.1	4486.1	4513.4	4540.6	4554.1	4567.7	4585.8	4599.4	4594.9	4599.4
27.5°	3856.3	4282.3	4382.0	4400.1	4436.3	4449.9	4468.0	4472.6	4477.1	4490.7	4481.7
30°	3643.3	4105.5	4255.0	4273.2	4332.1	4341.2	4323.0	4332.1	4354.7	4363.8	4372.9
32.5°	3403.1	3842.7	4123.6	4164.4	4218.8	4191.7	4187.1	4200.7	4236.9	4236.9	4246.0
35°	3076.9	3638.8	4001.3	4037.5	4078.3	4046.6	4064.7	4069.3	4091.9	4105.5	4101.0
37.5°	2718.9	3462.0	3874.4	3901.6	3933.3	3892.5	3919.8	3933.3	3951.5	3942.3	3942.3
40°	2401.7	3185.6	3724.9	3743.0	3770.2	3738.5	3765.7	3774.7	3783.8	3774.7	3770.2
42.5°	2166.0	2882.0	3566.3	3589.0	3570.8	3593.4	3602.5	3620.6	3607.1	3589.0	3589.0
45°	1984.7	2800.4	3394.1	3421.2	3394.1	3430.3	3443.9	3443.9	3403.1	3394.1	3389.5
47.5°	1925.9	2637.3	3221.9	3221.9	3208.3	3253.6	3276.3	3244.5	3203.8	3190.1	3190.1
50°	1921.4	2456.0	2986.3	2968.1	3031.5	3086.0	3063.3	3031.5	2999.8	2950.0	2950.0
52.5°	1744.6	2234.0	2682.6	2750.6	2850.3	2882.0	2845.8	2814.1	2759.6	2737.0	2718.9
55°	1617.7	2003.0	2406.2	2542.2	2646.4	2687.1	2619.2	2587.4	2505.9	2492.3	2483.3
57.5°	1590.6	1667.6	2152.5	2324.7	2451.5	2447.0	2406.2	2347.3	2279.3	2265.7	2261.2
60°	1459.2	1205.4	1880.6	2084.4	2215.9	2202.3	2166.0	2111.7	2048.2	2039.2	2030.1
62.5°	1323.2	874.6	1572.4	1803.5	1989.3	1984.7	1953.1	1871.5	1826.2	1803.5	1785.4
65°	1123.8	734.1	1119.3	1500.0	1767.3	1776.3	1708.4	1649.5	1599.6	1572.4	1567.9
67.5°	856.5	598.1	756.8	1250.6	1554.3	1545.2	1459.2	1431.9	1368.5	1354.9	1327.7
70°	634.4	398.7	525.7	1015.1	1345.8	1323.2	1255.2	1223.5	1164.6	1132.8	1114.7
72.5°	525.7	321.7	385.2	788.5	1132.8	1105.7	1046.8	1010.5	960.6	933.5	915.4
75°	426.0	339.8	294.6	584.6	919.8	901.7	847.4	811.1	770.3	734.1	738.6
77.5°	312.7	317.2	235.7	430.5	729.5	702.4	670.6	625.4	607.2	571.0	571.0
80°	235.7	249.2	176.7	294.6	525.7	525.7	498.4	466.8	435.1	416.9	416.9
82.5°	158.6	158.6	131.4	185.8	358.0	344.4	326.3	317.2	299.1	290.0	290.0
85°	72.5	90.6	81.6	113.3	194.9	203.9	203.9	194.9	190.3	181.3	185.8
87.5°	22.7	40.8	49.8	63.5	99.7	104.3	108.7	108.7	108.7	113.3	113.3
90°	5.5	9.9	14.4	15.4	24.3	36.1	42.0	37.3	27.9	21.0	21.0
92.5°	22.0	59.5	97.1	106.5	149.7	207.4	236.2	207.0	148.6	104.9	100.7
95°	53.0	121.7	190.4	207.5	368.5	583.1	690.4	616.1	467.5	356.0	343.3
97.5°	91.6	152.2	212.8	228.0	496.4	854.2	1033.2	986.3	892.3	821.8	797.8
100°	121.4	176.4	231.3	245.0	542.9	940.0	1138.6	1142.0	1148.9	1154.1	1125.4
102.5°	146.8	198.1	249.3	262.2	564.2	967.1	1168.4	1228.2	1347.9	1437.7	1413.2
105°	189.9	233.2	276.6	287.5	580.0	970.1	1165.1	1299.3	1567.6	1768.9	1755.7
107.5°	234.0	274.5	315.0	325.1	583.1	927.0	1098.9	1286.1	1660.5	1941.2	1944.4
110°	263.9	300.4	337.0	346.1	578.6	888.7	1043.7	1253.0	1671.4	1985.3	1999.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	293.0	327.9	362.7	371.4	578.8	855.2	993.5	1207.6	1635.9	1957.2	1978.2
115°	337.2	369.4	401.5	409.5	584.1	816.9	933.3	1139.6	1552.2	1861.6	1890.9
117.5°	380.8	410.0	439.2	446.5	594.9	792.9	891.9	1078.1	1450.4	1729.7	1762.1
120°	406.2	433.7	461.1	468.0	603.8	784.9	875.4	1045.5	1385.7	1640.9	1672.4
122.5°	431.0	458.8	486.5	493.4	616.5	780.6	862.6	1015.8	1322.2	1552.0	1583.1
125°	469.2	494.4	519.7	526.0	633.7	777.1	848.9	979.0	1239.2	1434.4	1463.1
127.5°	500.0	525.6	551.1	557.4	650.7	775.1	837.3	949.0	1172.5	1340.1	1364.3
130°	516.6	544.1	571.5	578.4	663.2	776.3	832.9	932.3	1131.3	1280.5	1302.8
132.5°	533.7	561.2	588.7	595.6	673.4	777.1	829.0	918.1	1096.1	1229.7	1249.7
135°	559.1	584.1	609.1	615.4	684.4	776.4	822.4	897.0	1046.2	1158.0	1175.2
137.5°	585.0	609.8	634.7	640.8	701.0	781.2	821.3	884.3	1010.4	1105.0	1119.1
140°	606.5	629.4	652.1	657.9	711.1	781.9	817.4	871.8	980.8	1062.5	1075.7
142.5°	623.1	644.2	665.4	670.6	719.5	784.8	817.4	865.2	960.9	1032.7	1044.0
145°	648.5	666.9	685.3	689.9	730.6	784.8	811.9	851.0	929.3	988.0	996.5
147.5°	673.9	691.8	709.7	714.2	746.8	790.2	811.9	842.7	904.3	950.5	957.6
150°	690.4	706.6	722.8	726.9	755.2	793.0	811.9	837.9	889.9	928.9	934.7
152.5°	707.6	719.8	732.1	735.2	760.8	794.9	811.9	834.2	878.5	911.8	916.2
155°	732.9	742.0	751.1	753.4	772.9	798.9	811.9	829.6	864.9	891.4	894.2
157.5°	751.8	760.6	769.3	771.6	785.1	803.0	811.9	825.7	853.1	873.7	875.7
160°	764.4	771.3	778.2	779.9	790.6	804.8	811.9	823.7	847.2	864.9	866.0
162.5°	777.1	782.3	787.5	788.7	796.5	806.7	811.9	821.8	841.7	856.6	857.6
165°	791.0	795.6	800.2	801.4	804.9	809.6	811.9	819.1	833.3	843.9	845.0
167.5°	803.6	805.8	808.0	808.5	811.5	815.4	817.4	822.0	831.4	838.3	838.9
170°	811.9	814.1	816.3	816.8	817.0	817.3	817.4	822.0	831.4	838.3	838.3
172.5°	816.3	816.7	817.3	817.4	817.4	817.4	817.4	821.0	828.4	834.0	833.5
175°	822.4	822.4	822.4	822.4	820.7	818.4	817.4	819.7	824.4	827.9	827.9
177.5°	822.4	822.4	822.4	822.4	821.1	819.4	818.5	820.4	824.1	826.8	826.3
180°	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8
2.5°	4912.1	4898.5	4912.1	4903.1	4907.6	4894.0	4853.2	4839.6	4853.2	4866.8	4866.8
5°	4971.0	4962.0	4971.0	4971.0	4966.5	4957.4	4912.1	4903.1	4912.1	4916.6	4907.6
7.5°	4989.1	4975.6	4989.1	4980.1	4980.1	4971.0	4925.7	4916.6	4921.2	4934.8	4921.2
10°	4989.1	4975.6	4989.1	4984.7	4980.1	4971.0	4925.7	4907.6	4907.6	4921.2	4907.6
12.5°	4966.5	4957.4	4966.5	4957.4	4957.4	4948.3	4903.1	4885.0	4889.4	4894.0	4875.8
15°	4930.2	4916.6	4930.2	4921.2	4925.7	4912.1	4862.3	4844.2	4844.2	4853.2	4821.5
17.5°	4875.8	4857.7	4875.8	4871.3	4866.8	4857.7	4812.4	4794.3	4789.8	4794.3	4771.7
20°	4812.4	4798.8	4812.4	4807.9	4807.9	4789.8	4744.5	4721.8	4721.8	4721.8	4699.1
22.5°	4712.8	4699.1	4712.8	4721.8	4721.8	4717.2	4676.4	4644.7	4635.7	4635.7	4608.5
25°	4599.4	4585.8	4599.4	4599.4	4594.9	4599.4	4585.8	4567.7	4554.1	4540.6	4513.4
27.5°	4490.7	4481.7	4490.7	4481.7	4490.7	4477.1	4472.6	4468.0	4449.9	4436.3	4400.1
30°	4382.0	4372.9	4382.0	4372.9	4363.8	4354.7	4332.1	4323.0	4341.2	4332.1	4273.2
32.5°	4246.0	4236.9	4246.0	4246.0	4236.9	4236.9	4200.7	4187.1	4191.7	4218.8	4164.4
35°	4105.5	4091.9	4105.5	4101.0	4105.5	4091.9	4069.3	4064.7	4046.6	4078.3	4037.5
37.5°	3942.3	3928.8	3942.3	3942.3	3942.3	3951.5	3933.3	3919.8	3892.5	3933.3	3901.6
40°	3774.7	3756.6	3774.7	3770.2	3774.7	3783.8	3774.7	3765.7	3738.5	3770.2	3743.0
42.5°	3584.4	3579.9	3584.4	3589.0	3589.0	3607.1	3620.6	3602.5	3593.4	3570.8	3589.0
45°	3380.4	3371.4	3380.4	3389.5	3394.1	3403.1	3443.9	3443.9	3430.3	3394.1	3421.2
47.5°	3163.0	3140.3	3163.0	3190.1	3190.1	3203.8	3244.5	3276.3	3253.6	3208.3	3221.9
50°	2931.9	2936.4	2931.9	2950.0	2950.0	2999.8	3031.5	3063.3	3086.0	3031.5	2968.1
52.5°	2705.3	2700.8	2705.3	2718.9	2737.0	2759.6	2814.1	2845.8	2882.0	2850.3	2750.6
55°	2478.7	2487.8	2478.7	2483.3	2492.3	2505.9	2587.4	2619.2	2687.1	2646.4	2542.2
57.5°	2252.2	2238.5	2252.2	2261.2	2265.7	2279.3	2347.3	2406.2	2447.0	2451.5	2324.7
60°	1989.3	1971.2	1989.3	2030.1	2039.2	2048.2	2111.7	2166.0	2202.3	2215.9	2084.4
62.5°	1758.2	1726.5	1758.2	1785.4	1803.5	1826.2	1871.5	1953.1	1984.7	1989.3	1803.5
65°	1513.5	1500.0	1513.5	1567.9	1572.4	1599.6	1649.5	1708.4	1776.3	1767.3	1500.0
67.5°	1291.4	1291.4	1291.4	1327.7	1354.9	1368.5	1431.9	1459.2	1545.2	1554.3	1250.6
70°	1087.6	1083.0	1087.6	1114.7	1132.8	1164.6	1223.5	1255.2	1323.2	1345.8	1015.1
72.5°	892.7	888.2	892.7	915.4	933.5	960.6	1010.5	1046.8	1105.7	1132.8	788.5
75°	720.5	711.4	720.5	738.6	734.1	770.3	811.1	847.4	901.7	919.8	584.6
77.5°	552.8	552.8	552.8	571.0	571.0	607.2	625.4	670.6	702.4	729.5	430.5
80°	412.4	407.8	412.4	416.9	416.9	435.1	466.8	498.4	525.7	525.7	294.6
82.5°	290.0	280.9	290.0	290.0	290.0	299.1	317.2	326.3	344.4	358.0	185.8
85°	181.3	181.3	181.3	185.8	181.3	190.3	194.9	203.9	203.9	194.9	113.3
87.5°	117.8	113.3	117.8	113.3	113.3	108.7	108.7	108.7	104.3	99.7	63.5
90°	21.0	21.0	21.0	21.0	21.0	27.9	37.3	42.0	36.1	24.3	15.4
92.5°	84.0	67.3	84.0	100.7	104.9	148.6	207.0	236.2	207.4	149.7	106.5
95°	292.8	242.3	292.8	343.3	356.0	467.5	616.1	690.4	583.1	368.5	207.5
97.5°	701.6	605.5	701.6	797.8	821.8	892.3	986.3	1033.2	854.2	496.4	228.0
100°	1010.9	896.4	1010.9	1125.4	1154.1	1148.9	1142.0	1138.6	940.0	542.9	245.0
102.5°	1315.1	1217.0	1315.1	1413.2	1437.7	1347.9	1228.2	1168.4	967.1	564.2	262.2
105°	1703.0	1650.3	1703.0	1755.7	1768.9	1567.6	1299.3	1165.1	970.1	580.0	287.5
107.5°	1957.1	1969.8	1957.1	1944.4	1941.2	1660.5	1286.1	1098.9	927.0	583.1	325.1
110°	2053.9	2108.9	2053.9	1999.0	1985.3	1671.4	1253.0	1043.7	888.7	578.6	346.1





TEST NUMBER: P934527

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2062.7	2147.0	2062.7	1978.2	1957.2	1635.9	1207.6	993.5	855.2	578.8	371.4
115°	2007.9	2125.0	2007.9	1890.9	1861.6	1552.2	1139.6	933.3	816.9	584.1	409.5
117.5°	1891.9	2021.7	1891.9	1762.1	1729.7	1450.4	1078.1	891.9	792.9	594.9	446.5
120°	1798.5	1924.6	1798.5	1672.4	1640.9	1385.7	1045.5	875.4	784.9	603.8	468.0
122.5°	1707.5	1831.8	1707.5	1583.1	1552.0	1322.2	1015.8	862.6	780.6	616.5	493.4
125°	1577.6	1692.2	1577.6	1463.1	1434.4	1239.2	979.0	848.9	777.1	633.7	526.0
127.5°	1460.9	1557.5	1460.9	1364.3	1340.1	1172.5	949.0	837.3	775.1	650.7	557.4
130°	1392.1	1481.4	1392.1	1302.8	1280.5	1131.3	932.3	832.9	776.3	663.2	578.4
132.5°	1329.6	1409.6	1329.6	1249.7	1229.7	1096.1	918.1	829.0	777.1	673.4	595.6
135°	1244.1	1313.0	1244.1	1175.2	1158.0	1046.2	897.0	822.4	776.4	684.4	615.4
137.5°	1175.5	1231.9	1175.5	1119.1	1105.0	1010.4	884.3	821.3	781.2	701.0	640.8
140°	1128.4	1181.1	1128.4	1075.7	1062.5	980.8	871.8	817.4	781.9	711.1	657.9
142.5°	1089.4	1134.8	1089.4	1044.0	1032.7	960.9	865.2	817.4	784.8	719.5	670.6
145°	1030.9	1065.3	1030.9	996.5	988.0	929.3	851.0	811.9	784.8	730.6	689.9
147.5°	986.0	1014.5	986.0	957.6	950.5	904.3	842.7	811.9	790.2	746.8	714.2
150°	957.7	980.8	957.7	934.7	928.9	889.9	837.9	811.9	793.0	755.2	726.9
152.5°	933.6	951.0	933.6	916.2	911.8	878.5	834.2	811.9	794.9	760.8	735.2
155°	905.8	917.3	905.8	894.2	891.4	864.9	829.6	811.9	798.9	772.9	753.4
157.5°	883.8	891.9	883.8	875.7	873.7	853.1	825.7	811.9	803.0	785.1	771.6
160°	870.8	875.4	870.8	866.0	864.9	847.2	823.7	811.9	804.8	790.6	779.9
162.5°	862.1	866.6	862.1	857.6	856.6	841.7	821.8	811.9	806.7	796.5	788.7
165°	849.8	854.4	849.8	845.0	843.9	833.3	819.1	811.9	809.6	804.9	801.4
167.5°	840.8	842.8	840.8	838.9	838.3	831.4	822.0	817.4	815.4	811.5	808.5
170°	838.3	838.3	838.3	838.3	838.3	831.4	822.0	817.4	817.3	817.0	816.8
172.5°	831.8	830.1	831.8	833.5	834.0	828.4	821.0	817.4	817.4	817.4	817.4
175°	827.9	827.9	827.9	827.9	827.9	824.4	819.7	817.4	818.4	820.7	822.4
177.5°	824.3	822.4	824.3	826.3	826.8	824.1	820.4	818.5	819.4	821.1	822.4
180°	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4



TEST NUMBER: P934527

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8
2.5°	4857.7	4830.6	4830.6	4785.2	4767.1	4753.6	4730.9	4662.9	4644.7	4626.6	4653.9
5°	4898.5	4848.7	4812.4	4730.9	4662.9	4635.7	4549.6	4386.4	4277.7	4196.1	4150.9
7.5°	4907.6	4844.2	4776.1	4649.3	4486.1	4413.6	4150.9	3851.7	3770.2	3697.7	3652.3
10°	4898.5	4826.0	4730.9	4540.6	4155.3	4028.5	3765.7	3570.8	3520.9	3507.4	3520.9
12.5°	4866.8	4798.8	4667.4	4350.2	3811.0	3724.9	3570.8	3457.5	3448.5	3471.1	3593.4
15°	4812.4	4749.0	4594.9	4096.4	3620.6	3557.2	3448.5	3407.7	3457.5	3616.1	3983.1
17.5°	4758.0	4685.5	4495.2	3847.2	3475.7	3430.3	3353.3	3434.9	3715.8	3928.8	4051.2
20°	4685.5	4599.4	4382.0	3666.0	3371.4	3330.6	3294.4	3661.4	3874.4	3951.5	4019.4
22.5°	4599.4	4508.8	4227.9	3539.1	3262.7	3230.9	3253.6	3788.3	3874.4	3928.8	3987.7
25°	4486.1	4409.1	4046.6	3439.4	3176.6	3140.3	3226.4	3774.7	3824.5	3838.2	3956.0
27.5°	4382.0	4282.3	3856.3	3348.8	3072.3	3058.7	3249.0	3715.8	3752.0	3765.7	3892.5
30°	4255.0	4105.5	3643.3	3253.6	2963.6	2959.0	3253.6	3643.3	3634.2	3670.5	3797.4
32.5°	4123.6	3842.7	3403.1	3135.8	2859.3	2854.9	3221.9	3534.5	3525.5	3575.3	3670.5
35°	4001.3	3638.8	3076.9	2999.8	2727.9	2732.5	3144.9	3407.7	3412.2	3457.5	3516.4
37.5°	3874.4	3462.0	2718.9	2850.3	2601.1	2601.1	3040.6	3289.8	3280.8	3294.4	3376.0
40°	3724.9	3185.6	2401.7	2655.5	2483.3	2469.6	2913.8	3163.0	3131.2	3126.8	3240.0
42.5°	3566.3	2882.0	2166.0	2397.1	2347.3	2329.2	2759.6	3008.9	2950.0	2963.6	3108.5
45°	3394.1	2800.4	1984.7	2025.5	2206.8	2193.3	2592.0	2832.2	2791.4	2827.6	2977.2
47.5°	3221.9	2637.3	1925.9	1681.2	2057.3	2052.8	2406.2	2660.0	2637.3	2673.6	2832.2
50°	2986.3	2456.0	1921.4	1441.0	1889.6	1907.7	2184.2	2492.3	2492.3	2524.1	2691.7
52.5°	2682.6	2234.0	1744.6	1305.1	1694.7	1749.2	1989.3	2347.3	2356.3	2388.1	2537.6
55°	2406.2	2003.0	1617.7	1200.8	1463.6	1581.5	1799.0	2197.7	2215.9	2247.6	2383.6
57.5°	2152.5	1667.6	1590.6	1078.5	1250.6	1364.0	1631.4	2052.8	2061.9	2089.0	2220.4
60°	1880.6	1205.4	1459.2	947.1	1064.9	1151.0	1477.3	1880.6	1912.3	1930.4	2043.7
62.5°	1572.4	874.6	1323.2	856.5	974.3	992.4	1350.4	1717.4	1758.2	1771.8	1839.8
65°	1119.3	734.1	1123.8	779.4	879.1	883.6	1214.4	1549.8	1586.0	1608.7	1658.5
67.5°	756.8	598.1	856.5	706.9	806.6	811.1	1083.0	1354.9	1404.7	1422.9	1454.6
70°	525.7	398.7	634.4	629.8	725.1	734.1	942.5	1178.2	1223.5	1237.1	1255.2
72.5°	385.2	321.7	525.7	566.5	638.9	648.0	797.6	978.8	1024.1	1037.7	1046.8
75°	294.6	339.8	426.0	493.9	543.8	548.3	652.5	797.6	829.2	838.3	842.8
77.5°	235.7	317.2	312.7	398.7	444.1	435.1	512.1	616.3	643.5	643.5	643.5
80°	176.7	249.2	235.7	285.5	326.3	317.2	367.0	439.5	448.6	457.6	453.2
82.5°	131.4	158.6	158.6	181.3	217.5	208.4	244.7	285.5	285.5	285.5	294.6
85°	81.6	90.6	72.5	95.2	122.4	117.8	135.9	154.1	158.6	158.6	149.5
87.5°	49.8	40.8	22.7	36.2	54.4	54.4	63.5	67.9	63.5	63.5	63.5
90°	14.4	9.9	5.5	9.9	14.4	15.4	24.3	36.1	42.0	37.3	27.9
92.5°	97.1	59.5	22.0	59.5	97.1	106.5	149.7	207.4	236.2	207.0	148.6
95°	190.4	121.7	53.0	121.7	190.4	207.5	368.5	583.1	690.4	616.1	467.5
97.5°	212.8	152.2	91.6	152.2	212.8	228.0	496.4	854.2	1033.2	986.3	892.3
100°	231.3	176.4	121.4	176.4	231.3	245.0	542.9	940.0	1138.6	1142.0	1148.9
102.5°	249.3	198.1	146.8	198.1	249.3	262.2	564.2	967.1	1168.4	1228.2	1347.9
105°	276.6	233.2	189.9	233.2	276.6	287.5	580.0	970.1	1165.1	1299.3	1567.6
107.5°	315.0	274.5	234.0	274.5	315.0	325.1	583.1	927.0	1098.9	1286.1	1660.5
110°	337.0	300.4	263.9	300.4	337.0	346.1	578.6	888.7	1043.7	1253.0	1671.4



TEST NUMBER: P934527

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	362.7	327.9	293.0	327.9	362.7	371.4	578.8	855.2	993.5	1207.6	1635.9
115°	401.5	369.4	337.2	369.4	401.5	409.5	584.1	816.9	933.3	1139.6	1552.2
117.5°	439.2	410.0	380.8	410.0	439.2	446.5	594.9	792.9	891.9	1078.1	1450.4
120°	461.1	433.7	406.2	433.7	461.1	468.0	603.8	784.9	875.4	1045.5	1385.7
122.5°	486.5	458.8	431.0	458.8	486.5	493.4	616.5	780.6	862.6	1015.8	1322.2
125°	519.7	494.4	469.2	494.4	519.7	526.0	633.7	777.1	848.9	979.0	1239.2
127.5°	551.1	525.6	500.0	525.6	551.1	557.4	650.7	775.1	837.3	949.0	1172.5
130°	571.5	544.1	516.6	544.1	571.5	578.4	663.2	776.3	832.9	932.3	1131.3
132.5°	588.7	561.2	533.7	561.2	588.7	595.6	673.4	777.1	829.0	918.1	1096.1
135°	609.1	584.1	559.1	584.1	609.1	615.4	684.4	776.4	822.4	897.0	1046.2
137.5°	634.7	609.8	585.0	609.8	634.7	640.8	701.0	781.2	821.3	884.3	1010.4
140°	652.1	629.4	606.5	629.4	652.1	657.9	711.1	781.9	817.4	871.8	980.8
142.5°	665.4	644.2	623.1	644.2	665.4	670.6	719.5	784.8	817.4	865.2	960.9
145°	685.3	666.9	648.5	666.9	685.3	689.9	730.6	784.8	811.9	851.0	929.3
147.5°	709.7	691.8	673.9	691.8	709.7	714.2	746.8	790.2	811.9	842.7	904.3
150°	722.8	706.6	690.4	706.6	722.8	726.9	755.2	793.0	811.9	837.9	889.9
152.5°	732.1	719.8	707.6	719.8	732.1	735.2	760.8	794.9	811.9	834.2	878.5
155°	751.1	742.0	732.9	742.0	751.1	753.4	772.9	798.9	811.9	829.6	864.9
157.5°	769.3	760.6	751.8	760.6	769.3	771.6	785.1	803.0	811.9	825.7	853.1
160°	778.2	771.3	764.4	771.3	778.2	779.9	790.6	804.8	811.9	823.7	847.2
162.5°	787.5	782.3	777.1	782.3	787.5	788.7	796.5	806.7	811.9	821.8	841.7
165°	800.2	795.6	791.0	795.6	800.2	801.4	804.9	809.6	811.9	819.1	833.3
167.5°	808.0	805.8	803.6	805.8	808.0	808.5	811.5	815.4	817.4	822.0	831.4
170°	816.3	814.1	811.9	814.1	816.3	816.8	817.0	817.3	817.4	822.0	831.4
172.5°	817.3	816.7	816.3	816.7	817.3	817.4	817.4	817.4	817.4	821.0	828.4
175°	822.4	822.4	822.4	822.4	822.4	822.4	820.7	818.4	817.4	819.7	824.4
177.5°	822.4	822.4	822.4	822.4	822.4	822.4	821.1	819.4	818.5	820.4	824.1
180°	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4



TEST NUMBER: P934527

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8	4789.8
2.5°	4622.1	4608.5	4626.6	4576.8	4626.6	4608.5	4622.1	4653.9	4626.6	4644.7	4662.9
5°	4055.7	4033.0	3960.5	3901.6	3960.5	4033.0	4055.7	4150.9	4196.1	4277.7	4386.4
7.5°	3625.2	3607.1	3589.0	3552.7	3589.0	3607.1	3625.2	3652.3	3697.7	3770.2	3851.7
10°	3530.0	3534.5	3561.7	3557.2	3561.7	3534.5	3530.0	3520.9	3507.4	3520.9	3570.8
12.5°	3774.7	3815.5	3965.0	3956.0	3965.0	3815.5	3774.7	3593.4	3471.1	3448.5	3457.5
15°	4055.7	4069.3	4101.0	4105.5	4101.0	4069.3	4055.7	3983.1	3616.1	3457.5	3407.7
17.5°	4082.8	4087.4	4110.1	4110.1	4110.1	4087.4	4082.8	4051.2	3928.8	3715.8	3434.9
20°	4060.2	4069.3	4114.6	4123.6	4114.6	4069.3	4060.2	4019.4	3951.5	3874.4	3661.4
22.5°	4051.2	4069.3	4105.5	4101.0	4105.5	4069.3	4051.2	3987.7	3928.8	3874.4	3788.3
25°	4005.8	4005.8	4010.4	4014.9	4010.4	4005.8	4005.8	3956.0	3838.2	3824.5	3774.7
27.5°	3910.7	3919.8	3946.9	3942.3	3946.9	3919.8	3910.7	3892.5	3765.7	3752.0	3715.8
30°	3824.5	3815.5	3792.8	3774.7	3792.8	3815.5	3824.5	3797.4	3670.5	3634.2	3643.3
32.5°	3679.6	3656.9	3634.2	3620.6	3634.2	3656.9	3679.6	3670.5	3575.3	3525.5	3534.5
35°	3507.4	3511.9	3507.4	3493.8	3507.4	3511.9	3507.4	3516.4	3457.5	3412.2	3407.7
37.5°	3385.0	3394.1	3389.5	3371.4	3389.5	3394.1	3385.0	3376.0	3294.4	3280.8	3289.8
40°	3258.2	3262.7	3258.2	3244.5	3258.2	3262.7	3258.2	3240.0	3126.8	3131.2	3163.0
42.5°	3135.8	3131.2	3117.7	3108.5	3117.7	3131.2	3135.8	3108.5	2963.6	2950.0	3008.9
45°	2995.3	2999.8	2972.6	2959.0	2972.6	2999.8	2995.3	2977.2	2827.6	2791.4	2832.2
47.5°	2854.9	2854.9	2832.2	2818.5	2832.2	2854.9	2854.9	2832.2	2673.6	2637.3	2660.0
50°	2705.3	2700.8	2669.0	2664.5	2669.0	2700.8	2705.3	2691.7	2524.1	2492.3	2492.3
52.5°	2533.1	2533.1	2537.6	2546.6	2537.6	2533.1	2533.1	2537.6	2388.1	2356.3	2347.3
55°	2383.6	2388.1	2419.8	2428.9	2419.8	2388.1	2383.6	2383.6	2247.6	2215.9	2197.7
57.5°	2229.5	2229.5	2252.2	2252.2	2252.2	2229.5	2229.5	2220.4	2089.0	2061.9	2052.8
60°	2052.8	2061.9	2080.0	2075.4	2080.0	2061.9	2052.8	2043.7	1930.4	1912.3	1880.6
62.5°	1867.0	1876.0	1880.6	1871.5	1880.6	1876.0	1867.0	1839.8	1771.8	1758.2	1717.4
65°	1672.1	1681.2	1685.7	1676.6	1685.7	1681.2	1672.1	1658.5	1608.7	1586.0	1549.8
67.5°	1472.7	1468.2	1463.6	1481.7	1463.6	1468.2	1472.7	1454.6	1422.9	1404.7	1354.9
70°	1268.8	1268.8	1264.3	1273.3	1264.3	1268.8	1268.8	1255.2	1237.1	1223.5	1178.2
72.5°	1051.3	1046.8	1064.9	1051.3	1064.9	1046.8	1051.3	1046.8	1037.7	1024.1	978.8
75°	838.3	847.4	838.3	851.9	838.3	847.4	838.3	842.8	838.3	829.2	797.6
77.5°	638.9	648.0	638.9	638.9	638.9	648.0	638.9	643.5	643.5	643.5	616.3
80°	453.2	448.6	448.6	444.1	448.6	448.6	453.2	453.2	457.6	448.6	439.5
82.5°	290.0	285.5	285.5	294.6	285.5	285.5	290.0	294.6	285.5	285.5	285.5
85°	158.6	163.2	154.1	154.1	154.1	163.2	158.6	149.5	158.6	158.6	154.1
87.5°	58.9	54.4	54.4	54.4	54.4	54.4	58.9	63.5	63.5	63.5	67.9
90°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	27.9	37.3	42.0	36.1
92.5°	104.9	100.7	84.0	67.3	84.0	100.7	104.9	148.6	207.0	236.2	207.4
95°	356.0	343.3	292.8	242.3	292.8	343.3	356.0	467.5	616.1	690.4	583.1
97.5°	821.8	797.8	701.6	605.5	701.6	797.8	821.8	892.3	986.3	1033.2	854.2
100°	1154.1	1125.4	1010.9	896.4	1010.9	1125.4	1154.1	1148.9	1142.0	1138.6	940.0
102.5°	1437.7	1413.2	1315.1	1217.0	1315.1	1413.2	1437.7	1347.9	1228.2	1168.4	967.1
105°	1768.9	1755.7	1703.0	1650.3	1703.0	1755.7	1768.9	1567.6	1299.3	1165.1	970.1
107.5°	1941.2	1944.4	1957.1	1969.8	1957.1	1944.4	1941.2	1660.5	1286.1	1098.9	927.0
110°	1985.3	1999.0	2053.9	2108.9	2053.9	1999.0	1985.3	1671.4	1253.0	1043.7	888.7



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1957.2	1978.2	2062.7	2147.0	2062.7	1978.2	1957.2	1635.9	1207.6	993.5	855.2
115°	1861.6	1890.9	2007.9	2125.0	2007.9	1890.9	1861.6	1552.2	1139.6	933.3	816.9
117.5°	1729.7	1762.1	1891.9	2021.7	1891.9	1762.1	1729.7	1450.4	1078.1	891.9	792.9
120°	1640.9	1672.4	1798.5	1924.6	1798.5	1672.4	1640.9	1385.7	1045.5	875.4	784.9
122.5°	1552.0	1583.1	1707.5	1831.8	1707.5	1583.1	1552.0	1322.2	1015.8	862.6	780.6
125°	1434.4	1463.1	1577.6	1692.2	1577.6	1463.1	1434.4	1239.2	979.0	848.9	777.1
127.5°	1340.1	1364.3	1460.9	1557.5	1460.9	1364.3	1340.1	1172.5	949.0	837.3	775.1
130°	1280.5	1302.8	1392.1	1481.4	1392.1	1302.8	1280.5	1131.3	932.3	832.9	776.3
132.5°	1229.7	1249.7	1329.6	1409.6	1329.6	1249.7	1229.7	1096.1	918.1	829.0	777.1
135°	1158.0	1175.2	1244.1	1313.0	1244.1	1175.2	1158.0	1046.2	897.0	822.4	776.4
137.5°	1105.0	1119.1	1175.5	1231.9	1175.5	1119.1	1105.0	1010.4	884.3	821.3	781.2
140°	1062.5	1075.7	1128.4	1181.1	1128.4	1075.7	1062.5	980.8	871.8	817.4	781.9
142.5°	1032.7	1044.0	1089.4	1134.8	1089.4	1044.0	1032.7	960.9	865.2	817.4	784.8
145°	988.0	996.5	1030.9	1065.3	1030.9	996.5	988.0	929.3	851.0	811.9	784.8
147.5°	950.5	957.6	986.0	1014.5	986.0	957.6	950.5	904.3	842.7	811.9	790.2
150°	928.9	934.7	957.7	980.8	957.7	934.7	928.9	889.9	837.9	811.9	793.0
152.5°	911.8	916.2	933.6	951.0	933.6	916.2	911.8	878.5	834.2	811.9	794.9
155°	891.4	894.2	905.8	917.3	905.8	894.2	891.4	864.9	829.6	811.9	798.9
157.5°	873.7	875.7	883.8	891.9	883.8	875.7	873.7	853.1	825.7	811.9	803.0
160°	864.9	866.0	870.8	875.4	870.8	866.0	864.9	847.2	823.7	811.9	804.8
162.5°	856.6	857.6	862.1	866.6	862.1	857.6	856.6	841.7	821.8	811.9	806.7
165°	843.9	845.0	849.8	854.4	849.8	845.0	843.9	833.3	819.1	811.9	809.6
167.5°	838.3	838.9	840.8	842.8	840.8	838.9	838.3	831.4	822.0	817.4	815.4
170°	838.3	838.3	838.3	838.3	838.3	838.3	838.3	831.4	822.0	817.4	817.3
172.5°	834.0	833.5	831.8	830.1	831.8	833.5	834.0	828.4	821.0	817.4	817.4
175°	827.9	827.9	827.9	827.9	827.9	827.9	827.9	824.4	819.7	817.4	818.4
177.5°	826.8	826.3	824.3	822.4	824.3	826.3	826.8	824.1	820.4	818.5	819.4
180°	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	4789.8	4789.8	4789.8	4789.8	4789.8
2.5°	4730.9	4753.6	4767.1	4785.2	4830.6
5°	4549.6	4635.7	4662.9	4730.9	4812.4
7.5°	4150.9	4413.6	4486.1	4649.3	4776.1
10°	3765.7	4028.5	4155.3	4540.6	4730.9
12.5°	3570.8	3724.9	3811.0	4350.2	4667.4
15°	3448.5	3557.2	3620.6	4096.4	4594.9
17.5°	3353.3	3430.3	3475.7	3847.2	4495.2
20°	3294.4	3330.6	3371.4	3666.0	4382.0
22.5°	3253.6	3230.9	3262.7	3539.1	4227.9
25°	3226.4	3140.3	3176.6	3439.4	4046.6
27.5°	3249.0	3058.7	3072.3	3348.8	3856.3
30°	3253.6	2959.0	2963.6	3253.6	3643.3
32.5°	3221.9	2854.9	2859.3	3135.8	3403.1
35°	3144.9	2732.5	2727.9	2999.8	3076.9
37.5°	3040.6	2601.1	2601.1	2850.3	2718.9
40°	2913.8	2469.6	2483.3	2655.5	2401.7
42.5°	2759.6	2329.2	2347.3	2397.1	2166.0
45°	2592.0	2193.3	2206.8	2025.5	1984.7
47.5°	2406.2	2052.8	2057.3	1681.2	1925.9
50°	2184.2	1907.7	1889.6	1441.0	1921.4
52.5°	1989.3	1749.2	1694.7	1305.1	1744.6
55°	1799.0	1581.5	1463.6	1200.8	1617.7
57.5°	1631.4	1364.0	1250.6	1078.5	1590.6
60°	1477.3	1151.0	1064.9	947.1	1459.2
62.5°	1350.4	992.4	974.3	856.5	1323.2
65°	1214.4	883.6	879.1	779.4	1123.8
67.5°	1083.0	811.1	806.6	706.9	856.5
70°	942.5	734.1	725.1	629.8	634.4
72.5°	797.6	648.0	638.9	566.5	525.7
75°	652.5	548.3	543.8	493.9	426.0
77.5°	512.1	435.1	444.1	398.7	312.7
80°	367.0	317.2	326.3	285.5	235.7
82.5°	244.7	208.4	217.5	181.3	158.6
85°	135.9	117.8	122.4	95.2	72.5
87.5°	63.5	54.4	54.4	36.2	22.7
90°	24.3	15.4	14.4	9.9	5.5
92.5°	149.7	106.5	97.1	59.5	22.0
95°	368.5	207.5	190.4	121.7	53.0
97.5°	496.4	228.0	212.8	152.2	91.6
100°	542.9	245.0	231.3	176.4	121.4
102.5°	564.2	262.2	249.3	198.1	146.8
105°	580.0	287.5	276.6	233.2	189.9
107.5°	583.1	325.1	315.0	274.5	234.0
110°	578.6	346.1	337.0	300.4	263.9



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CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	578.8	371.4	362.7	327.9	293.0
115°	584.1	409.5	401.5	369.4	337.2
117.5°	594.9	446.5	439.2	410.0	380.8
120°	603.8	468.0	461.1	433.7	406.2
122.5°	616.5	493.4	486.5	458.8	431.0
125°	633.7	526.0	519.7	494.4	469.2
127.5°	650.7	557.4	551.1	525.6	500.0
130°	663.2	578.4	571.5	544.1	516.6
132.5°	673.4	595.6	588.7	561.2	533.7
135°	684.4	615.4	609.1	584.1	559.1
137.5°	701.0	640.8	634.7	609.8	585.0
140°	711.1	657.9	652.1	629.4	606.5
142.5°	719.5	670.6	665.4	644.2	623.1
145°	730.6	689.9	685.3	666.9	648.5
147.5°	746.8	714.2	709.7	691.8	673.9
150°	755.2	726.9	722.8	706.6	690.4
152.5°	760.8	735.2	732.1	719.8	707.6
155°	772.9	753.4	751.1	742.0	732.9
157.5°	785.1	771.6	769.3	760.6	751.8
160°	790.6	779.9	778.2	771.3	764.4
162.5°	796.5	788.7	787.5	782.3	777.1
165°	804.9	801.4	800.2	795.6	791.0
167.5°	811.5	808.5	808.0	805.8	803.6
170°	817.0	816.8	816.3	814.1	811.9
172.5°	817.4	817.4	817.3	816.7	816.3
175°	820.7	822.4	822.4	822.4	822.4
177.5°	821.1	822.4	822.4	822.4	822.4
180°	822.4	822.4	822.4	822.4	822.4



TEST NUMBER: P934527  
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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	16.92	16.61	17.71	18.66	18.70	19.77	19.46	20.56	21.51
	3H	16.34	17.30	17.12	18.10	19.08	20.06	21.03	20.84	21.83	22.81
	4H	16.54	17.45	17.33	18.25	19.25	20.52	21.43	21.32	22.24	23.23
	6H	16.67	17.51	17.48	18.32	19.33	20.82	21.66	21.63	22.48	23.49
	8H	16.68	17.48	17.49	18.31	19.32	20.91	21.71	21.73	22.54	23.55
	12H	16.65	17.42	17.48	18.24	19.28	20.96	21.72	21.78	22.55	23.58
4H	2H	16.91	17.82	17.71	18.62	19.62	19.13	20.04	19.93	20.85	21.84
	3H	17.96	18.71	18.77	19.55	20.57	20.66	21.42	21.47	22.26	23.27
	4H	18.24	18.93	19.07	19.77	20.81	21.20	21.89	22.03	22.73	23.77
	6H	18.38	18.97	19.22	19.84	20.88	21.59	22.18	22.43	23.05	24.09
	8H	18.39	18.95	19.23	19.80	20.86	21.70	22.26	22.55	23.12	24.17
	12H	18.36	18.87	19.23	19.74	20.81	21.77	22.27	22.64	23.15	24.21
8H	4H	18.71	19.27	19.56	20.13	21.19	21.34	21.90	22.19	22.76	23.82
	6H	18.98	19.45	19.86	20.35	21.40	21.80	22.26	22.67	23.16	24.21
	8H	19.03	19.44	19.91	20.33	21.41	21.95	22.36	22.84	23.26	24.33
	12H	19.02	19.38	19.91	20.27	21.40	22.06	22.43	22.95	23.31	24.44
12H	4H	18.73	19.23	19.60	20.11	21.17	21.32	21.82	22.19	22.70	23.76
	6H	19.05	19.46	19.93	20.35	21.43	21.79	22.20	22.68	23.10	24.17
	8H	19.12	19.49	20.01	20.37	21.50	21.97	22.33	22.86	23.22	24.34