

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: P934740

Luminaire Tested: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

**Test Information**

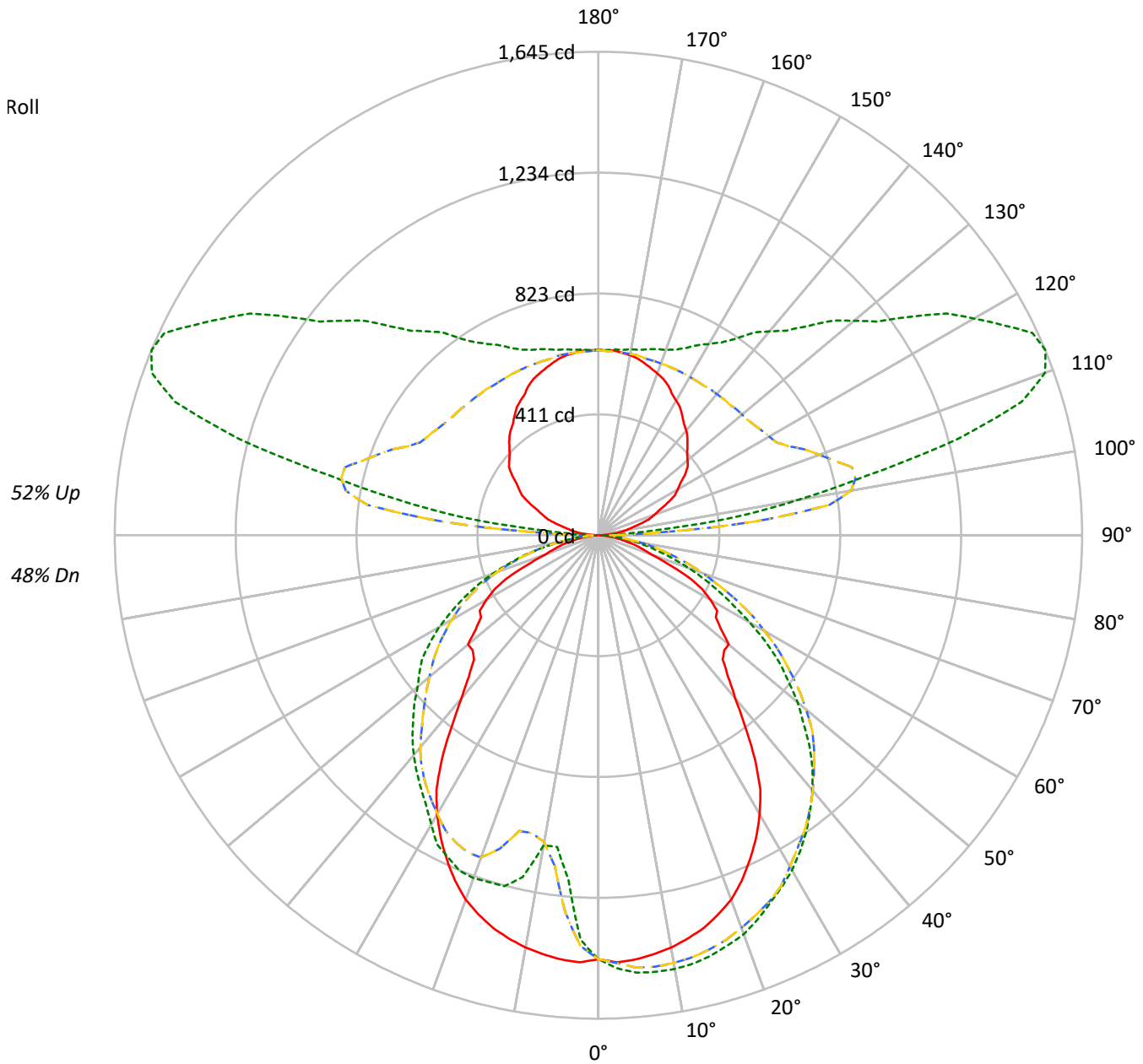
Test Method: LM-79-2019  
Report Number: P934740  
REPORT IS A COMBINATION OF REPORTS P933711 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-6-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7827.4 lumens  
Efficiency: N/A  
Efficacy: 123.1 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 63.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



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



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

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	97	93	89	86	89	86	82	79	72	70	68	60	58	56	48	47	46	40
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	29
4	74	63	55	49	68	58	52	46	49	44	40	41	37	34	33	31	28	25
5	68	56	48	42	62	52	45	40	44	39	34	37	33	29	30	27	25	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17
8	54	41	33	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12

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

	0°	90°	180°	270°
0°	8922	8922	8922	8922
5°	8986	9006	8986	7082
10°	8922	8872	8922	6343
15°	8822	8679	8822	7247
20°	8633	8452	8633	7263
25°	8253	8119	8253	7109
30°	7761	7844	7761	6771
35°	6916	7495	6916	6399
40°	5760	7084	5760	6119
45°	5142	6604	5142	5796
50°	5459	6031	5459	5472
55°	5131	5413	5131	5285
60°	5284	4597	5284	4840
65°	4782	3800	4782	4248
70°	3303	3029	3303	3561
75°	2887	2239	2887	2681
80°	2311	1480	2311	1612
85°	1300	784	1300	666

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 7887 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.2	1.7
10°-20°	369.6	4.7
20°-30°	571.4	7.3
30°-40°	682.1	8.7
40°-50°	686.1	8.8
50°-60°	597.0	7.6
60°-70°	423.3	5.4
70°-80°	223.9	2.9
80°-90°	58.2	0.7
90°-100°	307.2	3.9
100°-110°	807.7	10.3
110°-120°	837.4	10.7
120°-130°	671.8	8.6
130°-140°	527.1	6.7
140°-150°	404.6	5.2
150°-160°	291.3	3.7
160°-170°	178.3	2.3
170°-180°	60.2	0.8
0°-30°	1071.2	13.7
0°-40°	1753.3	22.4
0°-60°	3036.4	38.8
0°-90°	3741.9	47.8
90°-120°	1952.3	24.9
90°-150°	3555.7	45.4
90°-180°	4086.0	52.2
0°-180°	7827.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1442	1442	1442	1442	1442	
5°	1449	1494	1449	1175	1449	137
15°	1384	1480	1384	1236	1384	389
25°	1218	1381	1218	1209	1218	559
35°	926	1232	926	1052	926	573
45°	598	1015	598	891	598	479
55°	487	749	487	731	487	448
65°	338	452	338	505	338	323
75°	128	214	128	256	128	135
85°	22	55	22	46	22	29
90°	4	16	4	16	4	4
95°	41	186	41	186	41	45
105°	146	1265	146	1265	146	154
115°	258	1628	258	1628	258	255
125°	360	1297	360	1297	360	319
135°	428	1006	428	1006	428	331
145°	497	816	497	816	497	311
155°	562	703	562	703	562	258
165°	606	655	606	655	606	171
175°	630	634	630	634	630	60
180°	630	630	630	630	630	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2
2.5°	1454.5	1454.5	1462.7	1465.4	1465.4	1461.3	1457.2	1461.3	1473.6	1477.7	1476.3
5°	1449.1	1460.0	1475.0	1477.7	1480.4	1479.1	1476.3	1479.1	1492.7	1495.4	1496.8
7.5°	1438.1	1458.6	1477.7	1481.8	1485.9	1481.8	1480.4	1483.2	1496.8	1499.5	1499.5
10°	1424.5	1453.1	1475.0	1477.7	1481.8	1477.7	1477.7	1483.2	1496.8	1499.5	1500.9
12.5°	1405.4	1445.0	1465.4	1468.2	1473.6	1472.2	1470.9	1476.3	1490.0	1492.7	1492.7
15°	1383.6	1429.9	1449.1	1451.8	1461.3	1458.6	1458.6	1464.1	1479.1	1483.2	1481.8
17.5°	1353.5	1410.8	1432.7	1436.8	1443.6	1442.2	1443.6	1449.1	1462.7	1465.4	1466.8
20°	1319.4	1384.9	1410.8	1414.9	1421.8	1421.8	1421.8	1428.6	1442.2	1447.7	1447.7
22.5°	1273.0	1357.6	1384.9	1387.7	1395.8	1395.8	1398.6	1408.1	1420.4	1421.8	1421.8
25°	1218.5	1327.6	1350.8	1359.0	1367.2	1371.3	1375.4	1380.8	1384.9	1383.6	1384.9
27.5°	1161.2	1289.4	1319.4	1324.9	1335.8	1339.9	1345.4	1346.7	1348.1	1352.2	1349.4
30°	1097.0	1236.2	1281.2	1286.7	1304.4	1307.1	1301.7	1304.4	1311.2	1314.0	1316.7
32.5°	1024.7	1157.1	1241.7	1253.9	1270.3	1262.1	1260.8	1264.9	1275.8	1275.8	1278.5
35°	926.5	1095.7	1204.8	1215.7	1228.0	1218.5	1223.9	1225.3	1232.1	1236.2	1234.8
37.5°	818.7	1042.4	1166.6	1174.8	1184.3	1172.1	1180.3	1184.3	1189.8	1187.1	1187.1
40°	723.2	959.2	1121.6	1127.0	1135.2	1125.7	1133.9	1136.6	1139.3	1136.6	1135.2
42.5°	652.2	867.8	1073.8	1080.6	1075.2	1082.0	1084.7	1090.2	1086.1	1080.6	1080.6
45°	597.6	843.2	1022.0	1030.2	1022.0	1032.9	1037.0	1037.0	1024.7	1022.0	1020.6
47.5°	579.9	794.1	970.1	970.1	966.0	979.7	986.5	977.0	964.7	960.6	960.6
50°	578.5	739.5	899.2	893.7	912.8	929.2	922.4	912.8	903.3	888.3	888.3
52.5°	525.3	672.7	807.8	828.2	858.2	867.8	856.9	847.3	831.0	824.1	818.7
55°	487.1	603.1	724.5	765.5	796.8	809.1	788.7	779.1	754.5	750.5	747.7
57.5°	478.9	502.1	648.1	700.0	738.2	736.8	724.5	706.8	686.3	682.2	680.9
60°	439.4	362.9	566.2	627.6	667.2	663.1	652.2	635.8	616.7	614.0	611.3
62.5°	398.4	263.3	473.5	543.1	599.0	597.6	588.1	563.5	549.9	543.1	537.6
65°	338.4	221.0	337.0	451.6	532.1	534.9	514.4	496.7	481.7	473.5	472.1
67.5°	257.9	180.1	227.9	376.6	468.0	465.3	439.4	431.2	412.1	408.0	399.8
70°	191.0	120.1	158.3	305.6	405.2	398.4	378.0	368.4	350.7	341.1	335.7
72.5°	158.3	96.9	116.0	237.4	341.1	332.9	315.2	304.3	289.3	281.1	275.6
75°	128.3	102.3	88.7	176.0	277.0	271.5	255.2	244.2	232.0	221.0	222.4
77.5°	94.1	95.5	71.0	129.6	219.7	211.5	201.9	188.3	182.8	171.9	171.9
80°	71.0	75.0	53.2	88.7	158.3	158.3	150.1	140.5	131.0	125.5	125.5
82.5°	47.8	47.8	39.6	55.9	107.8	103.7	98.2	95.5	90.1	87.3	87.3
85°	21.8	27.3	24.6	34.1	58.7	61.4	61.4	58.7	57.3	54.6	55.9
87.5°	6.8	12.3	15.0	19.1	30.0	31.4	32.7	32.7	32.7	34.1	34.1
90°	4.2	7.5	11.0	11.8	18.6	27.6	32.1	28.6	21.5	16.1	16.1
92.5°	16.9	45.7	74.4	81.6	114.7	158.9	181.0	158.6	113.9	80.3	77.1
95°	40.6	93.2	145.8	159.0	282.4	446.9	529.1	472.2	358.2	272.8	263.2
97.5°	70.2	116.6	163.0	174.7	380.4	654.7	791.8	755.8	683.9	629.8	611.4
100°	93.1	135.2	177.3	187.8	416.1	720.4	872.6	875.3	880.5	884.4	862.5
102.5°	112.5	151.8	191.1	200.9	432.4	741.1	895.4	941.3	1033.1	1101.8	1083.0
105°	145.5	178.8	212.1	220.4	444.5	743.4	892.9	995.7	1201.4	1355.6	1345.5
107.5°	179.4	210.4	241.4	249.1	446.8	710.3	842.1	985.6	1272.5	1487.6	1490.1
110°	202.2	230.2	258.2	265.2	443.4	681.0	799.8	960.2	1281.0	1521.5	1532.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	224.6	251.2	278.0	284.6	443.5	655.4	761.4	925.5	1253.7	1499.8	1516.0
115°	258.4	283.1	307.6	313.8	447.6	626.0	715.2	873.3	1189.5	1426.7	1449.1
117.5°	291.8	314.2	336.6	342.2	456.0	607.6	683.5	826.2	1111.6	1325.6	1350.4
120°	311.3	332.4	353.4	358.7	462.7	601.5	670.9	801.2	1061.9	1257.5	1281.7
122.5°	330.4	351.6	372.9	378.1	472.5	598.3	661.1	778.5	1013.2	1189.4	1213.2
125°	359.5	378.9	398.2	403.1	485.6	595.5	650.6	750.3	949.8	1099.3	1121.2
127.5°	383.2	402.8	422.3	427.2	498.7	594.0	641.7	727.3	898.5	1027.0	1045.5
130°	395.9	417.0	438.0	443.3	508.3	595.0	638.3	714.5	867.0	981.3	998.4
132.5°	409.0	430.1	451.1	456.4	516.0	595.5	635.3	703.5	840.0	942.4	957.7
135°	428.4	447.6	466.8	471.6	524.5	595.0	630.2	687.3	801.7	887.4	900.5
137.5°	448.4	467.3	486.3	491.0	537.1	598.6	629.4	677.7	774.3	846.8	857.6
140°	464.8	482.3	499.8	504.2	545.0	599.3	626.4	668.1	751.6	814.2	824.3
142.5°	477.6	493.8	509.9	513.9	551.4	601.4	626.4	663.0	736.4	791.4	800.1
145°	497.0	511.1	525.1	528.7	559.9	601.5	622.2	652.2	712.2	757.1	763.6
147.5°	516.4	530.1	543.9	547.3	572.3	605.5	622.2	645.8	693.0	728.3	733.8
150°	529.1	541.5	554.0	557.1	578.8	607.7	622.2	642.1	682.0	711.9	716.3
152.5°	542.2	551.7	561.1	563.4	583.0	609.1	622.2	639.2	673.2	698.8	702.1
155°	561.7	568.6	575.6	577.3	592.3	612.2	622.2	635.7	662.9	683.1	685.3
157.5°	576.1	582.9	589.6	591.4	601.6	615.4	622.2	632.7	653.8	669.6	671.1
160°	585.8	591.1	596.4	597.6	605.8	616.7	622.2	631.2	649.2	662.8	663.7
162.5°	595.5	599.5	603.5	604.5	610.4	618.3	622.2	629.8	645.0	656.5	657.3
165°	606.1	609.7	613.3	614.2	616.8	620.4	622.2	627.6	638.6	646.8	647.7
167.5°	615.8	617.6	619.2	619.6	621.9	624.9	626.4	629.9	637.1	642.5	642.8
170°	622.2	623.9	625.6	626.0	626.1	626.3	626.4	629.9	637.1	642.5	642.5
172.5°	625.6	625.9	626.3	626.4	626.4	626.4	626.4	629.2	634.8	639.1	638.7
175°	630.2	630.2	630.2	630.2	628.9	627.2	626.4	628.2	631.7	634.5	634.5
177.5°	630.2	630.2	630.2	630.2	629.2	627.9	627.3	628.7	631.6	633.7	633.3
180°	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2
2.5°	1479.1	1475.0	1479.1	1476.3	1477.7	1473.6	1461.3	1457.2	1461.3	1465.4	1465.4
5°	1496.8	1494.1	1496.8	1496.8	1495.4	1492.7	1479.1	1476.3	1479.1	1480.4	1477.7
7.5°	1502.3	1498.2	1502.3	1499.5	1499.5	1496.8	1483.2	1480.4	1481.8	1485.9	1481.8
10°	1502.3	1498.2	1502.3	1500.9	1499.5	1496.8	1483.2	1477.7	1477.7	1481.8	1477.7
12.5°	1495.4	1492.7	1495.4	1492.7	1492.7	1490.0	1476.3	1470.9	1472.2	1473.6	1468.2
15°	1484.5	1480.4	1484.5	1481.8	1483.2	1479.1	1464.1	1458.6	1458.6	1461.3	1451.8
17.5°	1468.2	1462.7	1468.2	1466.8	1465.4	1462.7	1449.1	1443.6	1442.2	1443.6	1436.8
20°	1449.1	1445.0	1449.1	1447.7	1447.7	1442.2	1428.6	1421.8	1421.8	1421.8	1414.9
22.5°	1419.0	1414.9	1419.0	1421.8	1421.8	1420.4	1408.1	1398.6	1395.8	1395.8	1387.7
25°	1384.9	1380.8	1384.9	1384.9	1383.6	1384.9	1380.8	1375.4	1371.3	1367.2	1359.0
27.5°	1352.2	1349.4	1352.2	1349.4	1352.2	1348.1	1346.7	1345.4	1339.9	1335.8	1324.9
30°	1319.4	1316.7	1319.4	1316.7	1314.0	1311.2	1304.4	1301.7	1307.1	1304.4	1286.7
32.5°	1278.5	1275.8	1278.5	1278.5	1275.8	1275.8	1264.9	1260.8	1262.1	1270.3	1253.9
35°	1236.2	1232.1	1236.2	1234.8	1236.2	1232.1	1225.3	1223.9	1218.5	1228.0	1215.7
37.5°	1187.1	1183.0	1187.1	1187.1	1187.1	1189.8	1184.3	1180.3	1172.1	1184.3	1174.8
40°	1136.6	1131.1	1136.6	1135.2	1136.6	1139.3	1136.6	1133.9	1125.7	1135.2	1127.0
42.5°	1079.3	1077.9	1079.3	1080.6	1080.6	1086.1	1090.2	1084.7	1082.0	1075.2	1080.6
45°	1017.9	1015.2	1017.9	1020.6	1022.0	1024.7	1037.0	1037.0	1032.9	1022.0	1030.2
47.5°	952.4	945.6	952.4	960.6	960.6	964.7	977.0	986.5	979.7	966.0	970.1
50°	882.8	884.2	882.8	888.3	888.3	903.3	912.8	922.4	929.2	912.8	893.7
52.5°	814.6	813.2	814.6	818.7	824.1	831.0	847.3	856.9	867.8	858.2	828.2
55°	746.4	749.1	746.4	747.7	750.5	754.5	779.1	788.7	809.1	796.8	765.5
57.5°	678.1	674.0	678.1	680.9	682.2	686.3	706.8	724.5	736.8	738.2	700.0
60°	599.0	593.5	599.0	611.3	614.0	616.7	635.8	652.2	663.1	667.2	627.6
62.5°	529.4	519.9	529.4	537.6	543.1	549.9	563.5	588.1	597.6	599.0	543.1
65°	455.7	451.6	455.7	472.1	473.5	481.7	496.7	514.4	534.9	532.1	451.6
67.5°	388.9	388.9	388.9	399.8	408.0	412.1	431.2	439.4	465.3	468.0	376.6
70°	327.5	326.1	327.5	335.7	341.1	350.7	368.4	378.0	398.4	405.2	305.6
72.5°	268.8	267.4	268.8	275.6	281.1	289.3	304.3	315.2	332.9	341.1	237.4
75°	216.9	214.2	216.9	222.4	221.0	232.0	244.2	255.2	271.5	277.0	176.0
77.5°	166.5	166.5	166.5	171.9	171.9	182.8	188.3	201.9	211.5	219.7	129.6
80°	124.2	122.8	124.2	125.5	125.5	131.0	140.5	150.1	158.3	158.3	88.7
82.5°	87.3	84.6	87.3	87.3	87.3	90.1	95.5	98.2	103.7	107.8	55.9
85°	54.6	54.6	54.6	55.9	54.6	57.3	58.7	61.4	61.4	58.7	34.1
87.5°	35.5	34.1	35.5	34.1	34.1	32.7	32.7	32.7	31.4	30.0	19.1
90°	16.1	16.1	16.1	16.1	16.1	21.5	28.6	32.1	27.6	18.6	11.8
92.5°	64.3	51.6	64.3	77.1	80.3	113.9	158.6	181.0	158.9	114.7	81.6
95°	224.4	185.7	224.4	263.2	272.8	358.2	472.2	529.1	446.9	282.4	159.0
97.5°	537.7	464.0	537.7	611.4	629.8	683.9	755.8	791.8	654.7	380.4	174.7
100°	774.6	686.9	774.6	862.5	884.4	880.5	875.3	872.6	720.4	416.1	187.8
102.5°	1007.9	932.7	1007.9	1083.0	1101.8	1033.1	941.3	895.4	741.1	432.4	200.9
105°	1305.1	1264.7	1305.1	1345.5	1355.6	1201.4	995.7	892.9	743.4	444.5	220.4
107.5°	1499.8	1509.5	1499.8	1490.1	1487.6	1272.5	985.6	842.1	710.3	446.8	249.1
110°	1574.0	1616.2	1574.0	1532.0	1521.5	1281.0	960.2	799.8	681.0	443.4	265.2





TEST NUMBER: P934740

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1580.7	1645.4	1580.7	1516.0	1499.8	1253.7	925.5	761.4	655.4	443.5	284.6
115°	1538.7	1628.4	1538.7	1449.1	1426.7	1189.5	873.3	715.2	626.0	447.6	313.8
117.5°	1449.9	1549.3	1449.9	1350.4	1325.6	1111.6	826.2	683.5	607.6	456.0	342.2
120°	1378.3	1474.9	1378.3	1281.7	1257.5	1061.9	801.2	670.9	601.5	462.7	358.7
122.5°	1308.5	1403.8	1308.5	1213.2	1189.4	1013.2	778.5	661.1	598.3	472.5	378.1
125°	1209.1	1296.9	1209.1	1121.2	1099.3	949.8	750.3	650.6	595.5	485.6	403.1
127.5°	1119.6	1193.6	1119.6	1045.5	1027.0	898.5	727.3	641.7	594.0	498.7	427.2
130°	1066.8	1135.2	1066.8	998.4	981.3	867.0	714.5	638.3	595.0	508.3	443.3
132.5°	1019.0	1080.3	1019.0	957.7	942.4	840.0	703.5	635.3	595.5	516.0	456.4
135°	953.4	1006.2	953.4	900.5	887.4	801.7	687.3	630.2	595.0	524.5	471.6
137.5°	900.8	944.1	900.8	857.6	846.8	774.3	677.7	629.4	598.6	537.1	491.0
140°	864.8	905.2	864.8	824.3	814.2	751.6	668.1	626.4	599.3	545.0	504.2
142.5°	834.9	869.6	834.9	800.1	791.4	736.4	663.0	626.4	601.4	551.4	513.9
145°	790.0	816.3	790.0	763.6	757.1	712.2	652.2	622.2	601.5	559.9	528.7
147.5°	755.5	777.4	755.5	733.8	728.3	693.0	645.8	622.2	605.5	572.3	547.3
150°	734.0	751.6	734.0	716.3	711.9	682.0	642.1	622.2	607.7	578.8	557.1
152.5°	715.4	728.8	715.4	702.1	698.8	673.2	639.2	622.2	609.1	583.0	563.4
155°	694.1	703.0	694.1	685.3	683.1	662.9	635.7	622.2	612.2	592.3	577.3
157.5°	677.3	683.5	677.3	671.1	669.6	653.8	632.7	622.2	615.4	601.6	591.4
160°	667.2	670.9	667.2	663.7	662.8	649.2	631.2	622.2	616.7	605.8	597.6
162.5°	660.7	664.0	660.7	657.3	656.5	645.0	629.8	622.2	618.3	610.4	604.5
165°	651.2	654.8	651.2	647.7	646.8	638.6	627.6	622.2	620.4	616.8	614.2
167.5°	644.4	645.8	644.4	642.8	642.5	637.1	629.9	626.4	624.9	621.9	619.6
170°	642.5	642.5	642.5	642.5	642.5	637.1	629.9	626.4	626.3	626.1	626.0
172.5°	637.5	636.1	637.5	638.7	639.1	634.8	629.2	626.4	626.4	626.4	626.4
175°	634.5	634.5	634.5	634.5	634.5	631.7	628.2	626.4	627.2	628.9	630.2
177.5°	631.7	630.2	631.7	633.3	633.7	631.6	628.7	627.3	627.9	629.2	630.2
180°	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2



TEST NUMBER: P934740

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2
2.5°	1462.7	1454.5	1454.5	1440.9	1435.4	1431.3	1424.5	1404.0	1398.6	1393.1	1401.3
5°	1475.0	1460.0	1449.1	1424.5	1404.0	1395.8	1369.9	1320.8	1288.0	1263.5	1249.8
7.5°	1477.7	1458.6	1438.1	1399.9	1350.8	1329.0	1249.8	1159.8	1135.2	1113.4	1099.8
10°	1475.0	1453.1	1424.5	1367.2	1251.2	1213.0	1133.9	1075.2	1060.2	1056.1	1060.2
12.5°	1465.4	1445.0	1405.4	1309.9	1147.5	1121.6	1075.2	1041.1	1038.4	1045.2	1082.0
15°	1449.1	1429.9	1383.6	1233.5	1090.2	1071.1	1038.4	1026.1	1041.1	1088.8	1199.4
17.5°	1432.7	1410.8	1353.5	1158.4	1046.5	1032.9	1009.7	1034.3	1118.9	1183.0	1219.8
20°	1410.8	1384.9	1319.4	1103.8	1015.2	1002.9	992.0	1102.5	1166.6	1189.8	1210.3
22.5°	1384.9	1357.6	1273.0	1065.6	982.4	972.9	979.7	1140.7	1166.6	1183.0	1200.7
25°	1350.8	1327.6	1218.5	1035.6	956.5	945.6	971.5	1136.6	1151.6	1155.7	1191.2
27.5°	1319.4	1289.4	1161.2	1008.3	925.1	921.0	978.3	1118.9	1129.8	1133.9	1172.1
30°	1281.2	1236.2	1097.0	979.7	892.4	891.0	979.7	1097.0	1094.3	1105.2	1143.4
32.5°	1241.7	1157.1	1024.7	944.2	861.0	859.6	970.1	1064.3	1061.5	1076.6	1105.2
35°	1204.8	1095.7	926.5	903.3	821.4	822.8	946.9	1026.1	1027.4	1041.1	1058.8
37.5°	1166.6	1042.4	818.7	858.2	783.2	783.2	915.5	990.6	987.9	992.0	1016.5
40°	1121.6	959.2	723.2	799.6	747.7	743.6	877.3	952.4	942.8	941.5	975.6
42.5°	1073.8	867.8	652.2	721.8	706.8	701.3	831.0	906.0	888.3	892.4	936.0
45°	1022.0	843.2	597.6	609.9	664.5	660.4	780.5	852.8	840.5	851.4	896.4
47.5°	970.1	794.1	579.9	506.2	619.5	618.1	724.5	800.9	794.1	805.0	852.8
50°	899.2	739.5	578.5	433.9	569.0	574.4	657.7	750.5	750.5	760.0	810.5
52.5°	807.8	672.7	525.3	393.0	510.3	526.7	599.0	706.8	709.5	719.1	764.1
55°	724.5	603.1	487.1	361.6	440.7	476.2	541.7	661.8	667.2	676.8	717.7
57.5°	648.1	502.1	478.9	324.7	376.6	410.7	491.2	618.1	620.8	629.0	668.6
60°	566.2	362.9	439.4	285.2	320.6	346.6	444.8	566.2	575.8	581.3	615.4
62.5°	473.5	263.3	398.4	257.9	293.4	298.8	406.6	517.1	529.4	533.5	554.0
65°	337.0	221.0	338.4	234.7	264.7	266.1	365.7	466.6	477.6	484.4	499.4
67.5°	227.9	180.1	257.9	212.9	242.9	244.2	326.1	408.0	423.0	428.4	438.0
70°	158.3	120.1	191.0	189.7	218.3	221.0	283.8	354.8	368.4	372.5	378.0
72.5°	116.0	96.9	158.3	170.6	192.4	195.1	240.1	294.7	308.4	312.5	315.2
75°	88.7	102.3	128.3	148.7	163.7	165.1	196.5	240.1	249.7	252.4	253.8
77.5°	71.0	95.5	94.1	120.1	133.7	131.0	154.2	185.6	193.8	193.8	193.8
80°	53.2	75.0	71.0	86.0	98.2	95.5	110.5	132.4	135.1	137.8	136.4
82.5°	39.6	47.8	47.8	54.6	65.5	62.8	73.7	86.0	86.0	86.0	88.7
85°	24.6	27.3	21.8	28.7	36.8	35.5	40.9	46.4	47.8	47.8	45.0
87.5°	15.0	12.3	6.8	10.9	16.4	16.4	19.1	20.5	19.1	19.1	19.1
90°	11.0	7.5	4.2	7.5	11.0	11.8	18.6	27.6	32.1	28.6	21.5
92.5°	74.4	45.7	16.9	45.7	74.4	81.6	114.7	158.9	181.0	158.6	113.9
95°	145.8	93.2	40.6	93.2	145.8	159.0	282.4	446.9	529.1	472.2	358.2
97.5°	163.0	116.6	70.2	116.6	163.0	174.7	380.4	654.7	791.8	755.8	683.9
100°	177.3	135.2	93.1	135.2	177.3	187.8	416.1	720.4	872.6	875.3	880.5
102.5°	191.1	151.8	112.5	151.8	191.1	200.9	432.4	741.1	895.4	941.3	1033.1
105°	212.1	178.8	145.5	178.8	212.1	220.4	444.5	743.4	892.9	995.7	1201.4
107.5°	241.4	210.4	179.4	210.4	241.4	249.1	446.8	710.3	842.1	985.6	1272.5
110°	258.2	230.2	202.2	230.2	258.2	265.2	443.4	681.0	799.8	960.2	1281.0



TEST NUMBER: P934740

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	278.0	251.2	224.6	251.2	278.0	284.6	443.5	655.4	761.4	925.5	1253.7
115°	307.6	283.1	258.4	283.1	307.6	313.8	447.6	626.0	715.2	873.3	1189.5
117.5°	336.6	314.2	291.8	314.2	336.6	342.2	456.0	607.6	683.5	826.2	1111.6
120°	353.4	332.4	311.3	332.4	353.4	358.7	462.7	601.5	670.9	801.2	1061.9
122.5°	372.9	351.6	330.4	351.6	372.9	378.1	472.5	598.3	661.1	778.5	1013.2
125°	398.2	378.9	359.5	378.9	398.2	403.1	485.6	595.5	650.6	750.3	949.8
127.5°	422.3	402.8	383.2	402.8	422.3	427.2	498.7	594.0	641.7	727.3	898.5
130°	438.0	417.0	395.9	417.0	438.0	443.3	508.3	595.0	638.3	714.5	867.0
132.5°	451.1	430.1	409.0	430.1	451.1	456.4	516.0	595.5	635.3	703.5	840.0
135°	466.8	447.6	428.4	447.6	466.8	471.6	524.5	595.0	630.2	687.3	801.7
137.5°	486.3	467.3	448.4	467.3	486.3	491.0	537.1	598.6	629.4	677.7	774.3
140°	499.8	482.3	464.8	482.3	499.8	504.2	545.0	599.3	626.4	668.1	751.6
142.5°	509.9	493.8	477.6	493.8	509.9	513.9	551.4	601.4	626.4	663.0	736.4
145°	525.1	511.1	497.0	511.1	525.1	528.7	559.9	601.5	622.2	652.2	712.2
147.5°	543.9	530.1	516.4	530.1	543.9	547.3	572.3	605.5	622.2	645.8	693.0
150°	554.0	541.5	529.1	541.5	554.0	557.1	578.8	607.7	622.2	642.1	682.0
152.5°	561.1	551.7	542.2	551.7	561.1	563.4	583.0	609.1	622.2	639.2	673.2
155°	575.6	568.6	561.7	568.6	575.6	577.3	592.3	612.2	622.2	635.7	662.9
157.5°	589.6	582.9	576.1	582.9	589.6	591.4	601.6	615.4	622.2	632.7	653.8
160°	596.4	591.1	585.8	591.1	596.4	597.6	605.8	616.7	622.2	631.2	649.2
162.5°	603.5	599.5	595.5	599.5	603.5	604.5	610.4	618.3	622.2	629.8	645.0
165°	613.3	609.7	606.1	609.7	613.3	614.2	616.8	620.4	622.2	627.6	638.6
167.5°	619.2	617.6	615.8	617.6	619.2	619.6	621.9	624.9	626.4	629.9	637.1
170°	625.6	623.9	622.2	623.9	625.6	626.0	626.1	626.3	626.4	629.9	637.1
172.5°	626.3	625.9	625.6	625.9	626.3	626.4	626.4	626.4	626.4	629.2	634.8
175°	630.2	630.2	630.2	630.2	630.2	630.2	628.9	627.2	626.4	628.2	631.7
177.5°	630.2	630.2	630.2	630.2	630.2	630.2	629.2	627.9	627.3	628.7	631.6
180°	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2



TEST NUMBER: P934740

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2	1442.2
2.5°	1391.7	1387.7	1393.1	1378.1	1393.1	1387.7	1391.7	1401.3	1393.1	1398.6	1404.0
5°	1221.2	1214.4	1192.5	1174.8	1192.5	1214.4	1221.2	1249.8	1263.5	1288.0	1320.8
7.5°	1091.6	1086.1	1080.6	1069.7	1080.6	1086.1	1091.6	1099.8	1113.4	1135.2	1159.8
10°	1062.9	1064.3	1072.5	1071.1	1072.5	1064.3	1062.9	1060.2	1056.1	1060.2	1075.2
12.5°	1136.6	1148.9	1193.9	1191.2	1193.9	1148.9	1136.6	1082.0	1045.2	1038.4	1041.1
15°	1221.2	1225.3	1234.8	1236.2	1234.8	1225.3	1221.2	1199.4	1088.8	1041.1	1026.1
17.5°	1229.4	1230.7	1237.6	1237.6	1237.6	1230.7	1229.4	1219.8	1183.0	1118.9	1034.3
20°	1222.6	1225.3	1238.9	1241.7	1238.9	1225.3	1222.6	1210.3	1189.8	1166.6	1102.5
22.5°	1219.8	1225.3	1236.2	1234.8	1236.2	1225.3	1219.8	1200.7	1183.0	1166.6	1140.7
25°	1206.2	1206.2	1207.5	1208.9	1207.5	1206.2	1206.2	1191.2	1155.7	1151.6	1136.6
27.5°	1177.5	1180.3	1188.4	1187.1	1188.4	1180.3	1177.5	1172.1	1133.9	1129.8	1118.9
30°	1151.6	1148.9	1142.0	1136.6	1142.0	1148.9	1151.6	1143.4	1105.2	1094.3	1097.0
32.5°	1107.9	1101.1	1094.3	1090.2	1094.3	1101.1	1107.9	1105.2	1076.6	1061.5	1064.3
35°	1056.1	1057.5	1056.1	1052.0	1056.1	1057.5	1056.1	1058.8	1041.1	1027.4	1026.1
37.5°	1019.2	1022.0	1020.6	1015.2	1020.6	1022.0	1019.2	1016.5	992.0	987.9	990.6
40°	981.0	982.4	981.0	977.0	981.0	982.4	981.0	975.6	941.5	942.8	952.4
42.5°	944.2	942.8	938.7	936.0	938.7	942.8	944.2	936.0	892.4	888.3	906.0
45°	901.9	903.3	895.1	891.0	895.1	903.3	901.9	896.4	851.4	840.5	852.8
47.5°	859.6	859.6	852.8	848.7	852.8	859.6	859.6	852.8	805.0	794.1	800.9
50°	814.6	813.2	803.7	802.3	803.7	813.2	814.6	810.5	760.0	750.5	750.5
52.5°	762.7	762.7	764.1	766.8	764.1	762.7	762.7	764.1	719.1	709.5	706.8
55°	717.7	719.1	728.6	731.3	728.6	719.1	717.7	717.7	676.8	667.2	661.8
57.5°	671.3	671.3	678.1	678.1	678.1	671.3	671.3	668.6	629.0	620.8	618.1
60°	618.1	620.8	626.3	624.9	626.3	620.8	618.1	615.4	581.3	575.8	566.2
62.5°	562.2	564.9	566.2	563.5	566.2	564.9	562.2	554.0	533.5	529.4	517.1
65°	503.5	506.2	507.6	504.8	507.6	506.2	503.5	499.4	484.4	477.6	466.6
67.5°	443.4	442.1	440.7	446.2	440.7	442.1	443.4	438.0	428.4	423.0	408.0
70°	382.0	382.0	380.7	383.4	380.7	382.0	382.0	378.0	372.5	368.4	354.8
72.5°	316.6	315.2	320.6	316.6	320.6	315.2	316.6	315.2	312.5	308.4	294.7
75°	252.4	255.2	252.4	256.5	252.4	255.2	252.4	253.8	252.4	249.7	240.1
77.5°	192.4	195.1	192.4	192.4	192.4	195.1	192.4	193.8	193.8	193.8	185.6
80°	136.4	135.1	135.1	133.7	135.1	135.1	136.4	136.4	137.8	135.1	132.4
82.5°	87.3	86.0	86.0	88.7	86.0	86.0	87.3	88.7	86.0	86.0	86.0
85°	47.8	49.1	46.4	46.4	46.4	49.1	47.8	45.0	47.8	47.8	46.4
87.5°	17.7	16.4	16.4	16.4	16.4	16.4	17.7	19.1	19.1	19.1	20.5
90°	16.1	16.1	16.1	16.1	16.1	16.1	16.1	21.5	28.6	32.1	27.6
92.5°	80.3	77.1	64.3	51.6	64.3	77.1	80.3	113.9	158.6	181.0	158.9
95°	272.8	263.2	224.4	185.7	224.4	263.2	272.8	358.2	472.2	529.1	446.9
97.5°	629.8	611.4	537.7	464.0	537.7	611.4	629.8	683.9	755.8	791.8	654.7
100°	884.4	862.5	774.6	686.9	774.6	862.5	884.4	880.5	875.3	872.6	720.4
102.5°	1101.8	1083.0	1007.9	932.7	1007.9	1083.0	1101.8	1033.1	941.3	895.4	741.1
105°	1355.6	1345.5	1305.1	1264.7	1305.1	1345.5	1355.6	1201.4	995.7	892.9	743.4
107.5°	1487.6	1490.1	1499.8	1509.5	1499.8	1490.1	1487.6	1272.5	985.6	842.1	710.3
110°	1521.5	1532.0	1574.0	1616.2	1574.0	1532.0	1521.5	1281.0	960.2	799.8	681.0



TEST NUMBER: P934740

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1499.8	1516.0	1580.7	1645.4	1580.7	1516.0	1499.8	1253.7	925.5	761.4	655.4
115°	1426.7	1449.1	1538.7	1628.4	1538.7	1449.1	1426.7	1189.5	873.3	715.2	626.0
117.5°	1325.6	1350.4	1449.9	1549.3	1449.9	1350.4	1325.6	1111.6	826.2	683.5	607.6
120°	1257.5	1281.7	1378.3	1474.9	1378.3	1281.7	1257.5	1061.9	801.2	670.9	601.5
122.5°	1189.4	1213.2	1308.5	1403.8	1308.5	1213.2	1189.4	1013.2	778.5	661.1	598.3
125°	1099.3	1121.2	1209.1	1296.9	1209.1	1121.2	1099.3	949.8	750.3	650.6	595.5
127.5°	1027.0	1045.5	1119.6	1193.6	1119.6	1045.5	1027.0	898.5	727.3	641.7	594.0
130°	981.3	998.4	1066.8	1135.2	1066.8	998.4	981.3	867.0	714.5	638.3	595.0
132.5°	942.4	957.7	1019.0	1080.3	1019.0	957.7	942.4	840.0	703.5	635.3	595.5
135°	887.4	900.5	953.4	1006.2	953.4	900.5	887.4	801.7	687.3	630.2	595.0
137.5°	846.8	857.6	900.8	944.1	900.8	857.6	846.8	774.3	677.7	629.4	598.6
140°	814.2	824.3	864.8	905.2	864.8	824.3	814.2	751.6	668.1	626.4	599.3
142.5°	791.4	800.1	834.9	869.6	834.9	800.1	791.4	736.4	663.0	626.4	601.4
145°	757.1	763.6	790.0	816.3	790.0	763.6	757.1	712.2	652.2	622.2	601.5
147.5°	728.3	733.8	755.5	777.4	755.5	733.8	728.3	693.0	645.8	622.2	605.5
150°	711.9	716.3	734.0	751.6	734.0	716.3	711.9	682.0	642.1	622.2	607.7
152.5°	698.8	702.1	715.4	728.8	715.4	702.1	698.8	673.2	639.2	622.2	609.1
155°	683.1	685.3	694.1	703.0	694.1	685.3	683.1	662.9	635.7	622.2	612.2
157.5°	669.6	671.1	677.3	683.5	677.3	671.1	669.6	653.8	632.7	622.2	615.4
160°	662.8	663.7	667.2	670.9	667.2	663.7	662.8	649.2	631.2	622.2	616.7
162.5°	656.5	657.3	660.7	664.0	660.7	657.3	656.5	645.0	629.8	622.2	618.3
165°	646.8	647.7	651.2	654.8	651.2	647.7	646.8	638.6	627.6	622.2	620.4
167.5°	642.5	642.8	644.4	645.8	644.4	642.8	642.5	637.1	629.9	626.4	624.9
170°	642.5	642.5	642.5	642.5	642.5	642.5	642.5	637.1	629.9	626.4	626.3
172.5°	639.1	638.7	637.5	636.1	637.5	638.7	639.1	634.8	629.2	626.4	626.4
175°	634.5	634.5	634.5	634.5	634.5	634.5	634.5	631.7	628.2	626.4	627.2
177.5°	633.7	633.3	631.7	630.2	631.7	633.3	633.7	631.6	628.7	627.3	627.9
180°	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2



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CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1442.2	1442.2	1442.2	1442.2	1442.2
2.5°	1424.5	1431.3	1435.4	1440.9	1454.5
5°	1369.9	1395.8	1404.0	1424.5	1449.1
7.5°	1249.8	1329.0	1350.8	1399.9	1438.1
10°	1133.9	1213.0	1251.2	1367.2	1424.5
12.5°	1075.2	1121.6	1147.5	1309.9	1405.4
15°	1038.4	1071.1	1090.2	1233.5	1383.6
17.5°	1009.7	1032.9	1046.5	1158.4	1353.5
20°	992.0	1002.9	1015.2	1103.8	1319.4
22.5°	979.7	972.9	982.4	1065.6	1273.0
25°	971.5	945.6	956.5	1035.6	1218.5
27.5°	978.3	921.0	925.1	1008.3	1161.2
30°	979.7	891.0	892.4	979.7	1097.0
32.5°	970.1	859.6	861.0	944.2	1024.7
35°	946.9	822.8	821.4	903.3	926.5
37.5°	915.5	783.2	783.2	858.2	818.7
40°	877.3	743.6	747.7	799.6	723.2
42.5°	831.0	701.3	706.8	721.8	652.2
45°	780.5	660.4	664.5	609.9	597.6
47.5°	724.5	618.1	619.5	506.2	579.9
50°	657.7	574.4	569.0	433.9	578.5
52.5°	599.0	526.7	510.3	393.0	525.3
55°	541.7	476.2	440.7	361.6	487.1
57.5°	491.2	410.7	376.6	324.7	478.9
60°	444.8	346.6	320.6	285.2	439.4
62.5°	406.6	298.8	293.4	257.9	398.4
65°	365.7	266.1	264.7	234.7	338.4
67.5°	326.1	244.2	242.9	212.9	257.9
70°	283.8	221.0	218.3	189.7	191.0
72.5°	240.1	195.1	192.4	170.6	158.3
75°	196.5	165.1	163.7	148.7	128.3
77.5°	154.2	131.0	133.7	120.1	94.1
80°	110.5	95.5	98.2	86.0	71.0
82.5°	73.7	62.8	65.5	54.6	47.8
85°	40.9	35.5	36.8	28.7	21.8
87.5°	19.1	16.4	16.4	10.9	6.8
90°	18.6	11.8	11.0	7.5	4.2
92.5°	114.7	81.6	74.4	45.7	16.9
95°	282.4	159.0	145.8	93.2	40.6
97.5°	380.4	174.7	163.0	116.6	70.2
100°	416.1	187.8	177.3	135.2	93.1
102.5°	432.4	200.9	191.1	151.8	112.5
105°	444.5	220.4	212.1	178.8	145.5
107.5°	446.8	249.1	241.4	210.4	179.4
110°	443.4	265.2	258.2	230.2	202.2



TEST NUMBER: P934740

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	443.5	284.6	278.0	251.2	224.6
115°	447.6	313.8	307.6	283.1	258.4
117.5°	456.0	342.2	336.6	314.2	291.8
120°	462.7	358.7	353.4	332.4	311.3
122.5°	472.5	378.1	372.9	351.6	330.4
125°	485.6	403.1	398.2	378.9	359.5
127.5°	498.7	427.2	422.3	402.8	383.2
130°	508.3	443.3	438.0	417.0	395.9
132.5°	516.0	456.4	451.1	430.1	409.0
135°	524.5	471.6	466.8	447.6	428.4
137.5°	537.1	491.0	486.3	467.3	448.4
140°	545.0	504.2	499.8	482.3	464.8
142.5°	551.4	513.9	509.9	493.8	477.6
145°	559.9	528.7	525.1	511.1	497.0
147.5°	572.3	547.3	543.9	530.1	516.4
150°	578.8	557.1	554.0	541.5	529.1
152.5°	583.0	563.4	561.1	551.7	542.2
155°	592.3	577.3	575.6	568.6	561.7
157.5°	601.6	591.4	589.6	582.9	576.1
160°	605.8	597.6	596.4	591.1	585.8
162.5°	610.4	604.5	603.5	599.5	595.5
165°	616.8	614.2	613.3	609.7	606.1
167.5°	621.9	619.6	619.2	617.6	615.8
170°	626.1	626.0	625.6	623.9	622.2
172.5°	626.4	626.4	626.3	625.9	625.6
175°	628.9	630.2	630.2	630.2	630.2
177.5°	629.2	630.2	630.2	630.2	630.2
180°	630.2	630.2	630.2	630.2	630.2



TEST NUMBER: P934740

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-6-4000K

**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	12.20	13.04	13.18	14.03	15.33	15.02	15.87	16.00	16.86	18.16
	3H	12.68	13.43	13.66	14.43	15.75	16.37	17.12	17.35	18.12	19.44
	4H	12.87	13.58	13.87	14.58	15.91	16.81	17.52	17.81	18.52	19.86
	6H	12.98	13.64	13.99	14.65	15.99	17.09	17.75	18.10	18.76	20.10
	8H	12.98	13.61	14.00	14.63	15.97	17.16	17.79	18.18	18.81	20.15
	12H	12.95	13.55	13.98	14.57	15.93	17.20	17.80	18.22	18.81	20.18
4H	2H	13.23	13.94	14.23	14.94	16.28	15.43	16.15	16.44	17.15	18.48
	3H	14.25	14.85	15.27	15.88	17.23	16.93	17.53	17.95	18.56	19.91
	4H	14.53	15.07	15.55	16.10	17.47	17.46	18.00	18.48	19.03	20.40
	6H	14.65	15.12	15.69	16.17	17.53	17.82	18.29	18.86	19.34	20.70
	8H	14.66	15.10	15.69	16.13	17.52	17.93	18.36	18.96	19.40	20.78
	12H	14.62	15.02	15.68	16.07	17.46	17.98	18.38	19.04	19.43	20.82
8H	4H	14.98	15.42	16.02	16.46	17.84	17.58	18.02	18.62	19.06	20.44
	6H	15.24	15.60	16.30	16.68	18.06	18.02	18.38	19.08	19.46	20.84
	8H	15.28	15.60	16.35	16.67	18.06	18.17	18.49	19.23	19.55	20.95
	12H	15.27	15.55	16.34	16.61	18.05	18.26	18.54	19.33	19.60	21.04
12H	4H	14.99	15.38	16.04	16.43	17.82	17.55	17.94	18.60	19.00	20.38
	6H	15.30	15.62	16.37	16.69	18.08	18.01	18.33	19.08	19.40	20.79
	8H	15.37	15.65	16.44	16.71	18.15	18.17	18.45	19.24	19.51	20.95