

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: P934738

Luminaire Tested: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-6-3000K

Issue Date: 12/17/2024

**Test Information**

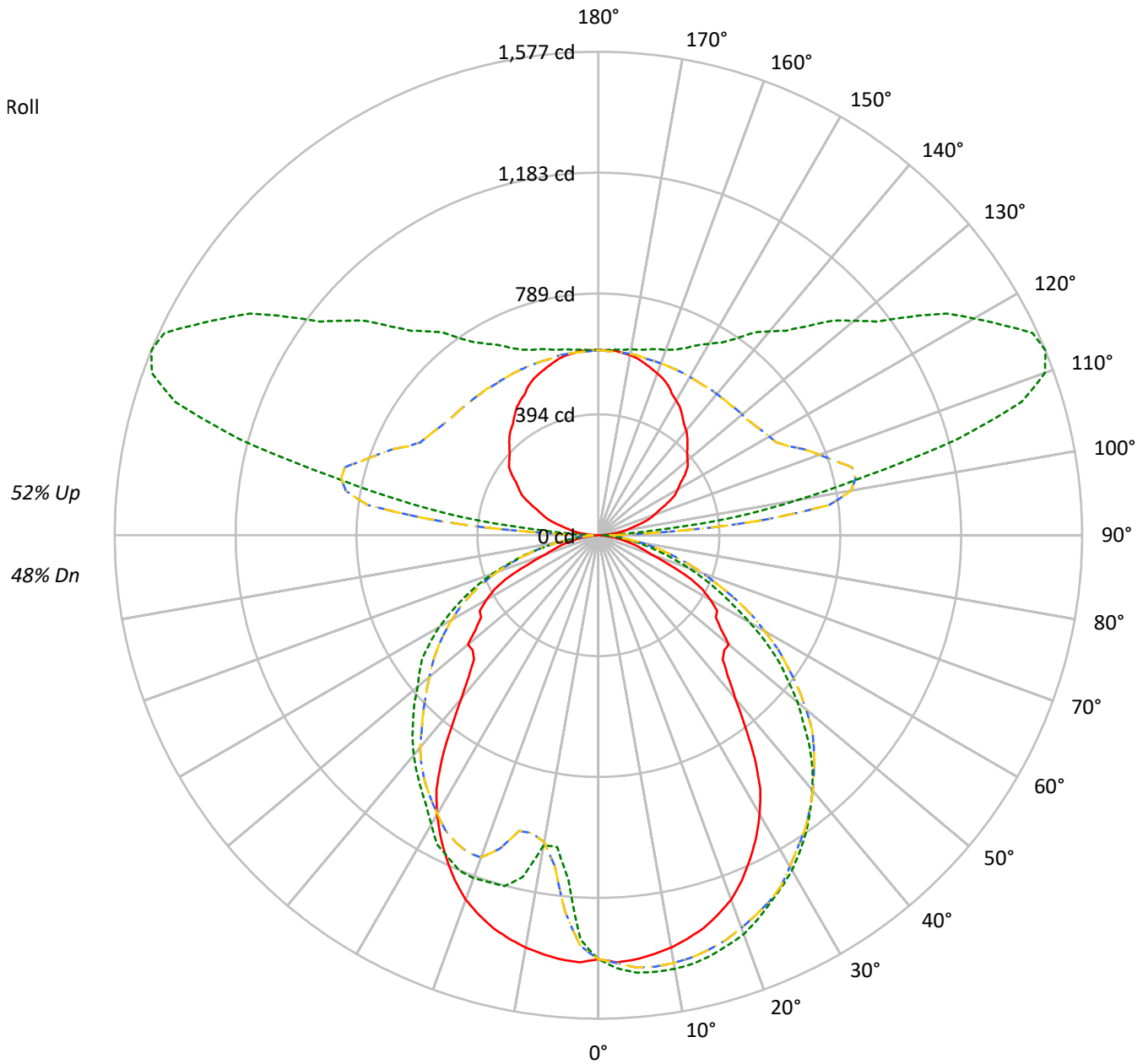
Test Method: LM-79-2019  
Report Number: P934738  
REPORT IS A COMBINATION OF REPORTS P933711 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-6-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7503.8 lumens  
Efficiency: N/A  
Efficacy: 118.0 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°	8553	8553	8553	8553
5°	8614	8634	8614	6789
10°	8553	8505	8553	6080
15°	8457	8320	8457	6948
20°	8277	8102	8277	6962
25°	7912	7784	7912	6815
30°	7441	7520	7441	6491
35°	6630	7185	6630	6135
40°	5521	6792	5521	5866
45°	4930	6331	4930	5557
50°	5233	5781	5233	5246
55°	4920	5189	4920	5066
60°	5065	4407	5065	4641
65°	4585	3644	4585	4073
70°	3167	2903	3167	3414
75°	2768	2147	2768	2570
80°	2213	1419	2213	1545
85°	1246	751	1246	639

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 7561 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.8	1.7
10°-20°	354.4	4.7
20°-30°	547.8	7.3
30°-40°	653.9	8.7
40°-50°	657.8	8.8
50°-60°	572.3	7.6
60°-70°	405.8	5.4
70°-80°	214.7	2.9
80°-90°	55.8	0.7
90°-100°	294.5	3.9
100°-110°	774.3	10.3
110°-120°	802.8	10.7
120°-130°	644.0	8.6
130°-140°	505.3	6.7
140°-150°	387.8	5.2
150°-160°	279.3	3.7
160°-170°	170.9	2.3
170°-180°	57.7	0.8
0°-30°	1026.9	13.7
0°-40°	1680.8	22.4
0°-60°	2910.9	38.8
0°-90°	3587.2	47.8
90°-120°	1871.6	24.9
90°-150°	3408.7	45.4
90°-180°	3917.0	52.2
0°-180°	7503.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1383	1383	1383	1383	1383	
5°	1389	1432	1389	1126	1389	132
15°	1326	1419	1326	1185	1326	373
25°	1168	1324	1168	1159	1168	536
35°	888	1181	888	1008	888	549
45°	573	973	573	854	573	459
55°	467	718	467	701	467	429
65°	324	433	324	484	324	310
75°	123	205	123	246	123	129
85°	21	52	21	44	21	28
90°	4	15	4	15	4	4
95°	39	178	39	178	39	43
105°	140	1212	140	1212	140	148
115°	248	1561	248	1561	248	245
125°	345	1243	345	1243	345	306
135°	411	965	411	965	411	318
145°	476	783	476	783	476	298
155°	538	674	538	674	538	247
165°	581	628	581	628	581	164
175°	604	608	604	608	604	57
180°	604	604	604	604	604	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6
2.5°	1394.4	1394.4	1402.2	1404.8	1404.8	1400.9	1397.0	1400.9	1412.7	1416.6	1415.3
5°	1389.2	1399.6	1414.0	1416.6	1419.2	1417.9	1415.3	1417.9	1431.0	1433.6	1434.9
7.5°	1378.7	1398.3	1416.6	1420.5	1424.5	1420.5	1419.2	1421.9	1434.9	1437.5	1437.5
10°	1365.6	1393.1	1414.0	1416.6	1420.5	1416.6	1416.6	1421.9	1434.9	1437.5	1438.9
12.5°	1347.3	1385.2	1404.8	1407.5	1412.7	1411.4	1410.1	1415.3	1428.4	1431.0	1431.0
15°	1326.4	1370.8	1389.2	1391.8	1400.9	1398.3	1398.3	1403.5	1417.9	1421.9	1420.5
17.5°	1297.6	1352.5	1373.5	1377.4	1383.9	1382.6	1383.9	1389.2	1402.2	1404.8	1406.2
20°	1264.9	1327.7	1352.5	1356.4	1363.0	1363.0	1363.0	1369.5	1382.6	1387.8	1387.8
22.5°	1220.4	1301.5	1327.7	1330.3	1338.1	1338.1	1340.8	1349.9	1361.7	1363.0	1363.0
25°	1168.1	1272.7	1295.0	1302.8	1310.7	1314.6	1318.5	1323.7	1327.7	1326.4	1327.7
27.5°	1113.2	1236.1	1264.9	1270.1	1280.6	1284.5	1289.7	1291.0	1292.4	1296.3	1293.7
30°	1051.7	1185.1	1228.3	1233.5	1250.5	1253.1	1247.9	1250.5	1257.0	1259.7	1262.3
32.5°	982.3	1109.2	1190.3	1202.1	1217.8	1209.9	1208.6	1212.6	1223.0	1223.0	1225.6
35°	888.2	1050.4	1155.0	1165.5	1177.2	1168.1	1173.3	1174.6	1181.2	1185.1	1183.8
37.5°	784.8	999.4	1118.4	1126.2	1135.4	1123.6	1131.5	1135.4	1140.6	1138.0	1138.0
40°	693.3	919.6	1075.2	1080.5	1088.3	1079.1	1087.0	1089.6	1092.2	1089.6	1088.3
42.5°	625.2	831.9	1029.4	1036.0	1030.7	1037.3	1039.9	1045.1	1041.2	1036.0	1036.0
45°	572.9	808.4	979.7	987.6	979.7	990.2	994.1	994.1	982.3	979.7	978.4
47.5°	555.9	761.3	930.0	930.0	926.1	939.2	945.7	936.6	924.8	920.9	920.9
50°	554.6	709.0	862.0	856.8	875.1	890.8	884.2	875.1	865.9	851.5	851.5
52.5°	503.6	644.9	774.4	794.0	822.8	831.9	821.5	812.3	796.6	790.1	784.8
55°	467.0	578.2	694.6	733.8	763.9	775.7	756.1	746.9	723.4	719.4	716.8
57.5°	459.1	481.4	621.3	671.0	707.7	706.3	694.6	677.6	657.9	654.0	652.7
60°	421.2	347.9	542.8	601.7	639.6	635.7	625.2	609.6	591.2	588.6	586.0
62.5°	382.0	252.5	453.9	520.6	574.2	572.9	563.8	540.2	527.1	520.6	515.4
65°	324.4	211.9	323.1	433.0	510.1	512.8	493.1	476.1	461.7	453.9	452.6
67.5°	247.2	172.7	218.4	361.0	448.7	446.0	421.2	413.3	395.0	391.1	383.3
70°	183.1	115.1	151.7	293.0	388.5	382.0	362.3	353.2	336.2	327.0	321.8
72.5°	151.7	92.9	111.2	227.6	327.0	319.2	302.2	291.7	277.3	269.5	264.2
75°	123.0	98.1	85.0	168.7	265.5	260.3	244.6	234.1	222.4	211.9	213.2
77.5°	90.3	91.6	68.0	124.3	210.6	202.7	193.6	180.5	175.3	164.8	164.8
80°	68.0	71.9	51.0	85.0	151.7	151.7	143.9	134.7	125.6	120.3	120.3
82.5°	45.8	45.8	37.9	53.6	103.3	99.4	94.2	91.6	86.3	83.7	83.7
85°	20.9	26.2	23.5	32.7	56.2	58.9	58.9	56.2	54.9	52.3	53.6
87.5°	6.5	11.8	14.4	18.3	28.8	30.1	31.4	31.4	31.4	32.7	32.7
90°	4.0	7.2	10.6	11.3	17.8	26.4	30.8	27.4	20.6	15.4	15.4
92.5°	16.2	43.8	71.3	78.2	110.0	152.3	173.5	152.1	109.2	77.0	73.9
95°	38.9	89.4	139.8	152.4	270.7	428.4	507.3	452.7	343.4	261.5	252.3
97.5°	67.3	111.8	156.3	167.4	364.7	627.6	759.1	724.6	655.6	603.8	586.1
100°	89.2	129.6	170.0	180.1	398.9	690.7	836.5	839.1	844.1	847.9	826.9
102.5°	107.9	145.5	183.2	192.6	414.6	710.4	858.4	902.4	990.4	1056.3	1038.2
105°	139.5	171.4	203.4	211.3	426.2	712.7	856.0	954.5	1151.7	1299.6	1289.9
107.5°	172.0	201.7	231.4	238.9	428.3	681.0	807.3	944.8	1219.9	1426.1	1428.5
110°	193.9	220.7	247.5	254.2	425.0	652.9	766.8	920.5	1228.0	1458.6	1468.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	215.3	240.9	266.5	272.9	425.2	628.3	729.9	887.2	1201.8	1437.8	1453.3
115°	247.7	271.4	294.9	300.9	429.1	600.1	685.7	837.2	1140.4	1367.7	1389.2
117.5°	279.7	301.2	322.7	328.1	437.2	582.5	655.2	792.1	1065.6	1270.8	1294.6
120°	298.4	318.6	338.8	343.8	443.6	576.6	643.1	768.1	1018.0	1205.5	1228.7
122.5°	316.7	337.0	357.4	362.5	452.9	573.5	633.8	746.3	971.4	1140.2	1163.0
125°	344.6	363.2	381.8	386.4	465.5	570.9	623.7	719.3	910.5	1053.9	1074.9
127.5°	367.4	386.1	404.8	409.5	478.0	569.4	615.1	697.2	861.4	984.5	1002.3
130°	379.5	399.7	419.9	424.9	487.3	570.4	611.9	685.0	831.1	940.8	957.1
132.5°	392.1	412.3	432.4	437.5	494.7	570.9	609.0	674.4	805.3	903.4	918.1
135°	410.7	429.1	447.5	452.1	502.8	570.4	604.1	658.9	768.5	850.7	863.3
137.5°	429.8	448.0	466.2	470.7	514.9	573.9	603.4	649.7	742.3	811.8	822.2
140°	445.6	462.4	479.2	483.4	522.4	574.5	600.5	640.5	720.6	780.6	790.2
142.5°	457.8	473.3	488.9	492.7	528.6	576.5	600.5	635.6	705.9	758.7	767.0
145°	476.5	490.0	503.4	506.8	536.7	576.6	596.5	625.2	682.7	725.8	732.1
147.5°	495.1	508.2	521.4	524.7	548.6	580.5	596.5	619.1	664.3	698.2	703.5
150°	507.3	519.1	531.1	534.0	554.9	582.6	596.5	615.6	653.8	682.5	686.7
152.5°	519.8	528.9	537.9	540.1	558.9	583.9	596.5	612.8	645.4	669.9	673.1
155°	538.5	545.1	551.8	553.5	567.8	586.9	596.5	609.5	635.5	654.9	657.0
157.5°	552.3	558.8	565.3	566.9	576.8	589.9	596.5	606.6	626.7	641.9	643.4
160°	561.6	566.6	571.7	572.9	580.8	591.2	596.5	605.1	622.4	635.4	636.2
162.5°	570.9	574.8	578.5	579.5	585.1	592.7	596.5	603.8	618.4	629.3	630.1
165°	581.0	584.5	587.9	588.8	591.3	594.7	596.5	601.7	612.2	620.0	620.9
167.5°	590.4	592.0	593.6	594.0	596.2	599.1	600.5	603.9	610.8	615.9	616.3
170°	596.5	598.1	599.7	600.1	600.2	600.4	600.5	603.9	610.8	615.9	615.9
172.5°	599.7	600.0	600.4	600.5	600.5	600.5	600.5	603.2	608.6	612.7	612.3
175°	604.1	604.1	604.1	604.1	602.9	601.3	600.5	602.2	605.6	608.2	608.2
177.5°	604.1	604.1	604.1	604.1	603.2	602.0	601.4	602.7	605.5	607.5	607.1
180°	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6
2.5°	1417.9	1414.0	1417.9	1415.3	1416.6	1412.7	1400.9	1397.0	1400.9	1404.8	1404.8
5°	1434.9	1432.3	1434.9	1434.9	1433.6	1431.0	1417.9	1415.3	1417.9	1419.2	1416.6
7.5°	1440.2	1436.2	1440.2	1437.5	1437.5	1434.9	1421.9	1419.2	1420.5	1424.5	1420.5
10°	1440.2	1436.2	1440.2	1438.9	1437.5	1434.9	1421.9	1416.6	1416.6	1420.5	1416.6
12.5°	1433.6	1431.0	1433.6	1431.0	1431.0	1428.4	1415.3	1410.1	1411.4	1412.7	1407.5
15°	1423.2	1419.2	1423.2	1420.5	1421.9	1417.9	1403.5	1398.3	1398.3	1400.9	1391.8
17.5°	1407.5	1402.2	1407.5	1406.2	1404.8	1402.2	1389.2	1383.9	1382.6	1383.9	1377.4
20°	1389.2	1385.2	1389.2	1387.8	1387.8	1382.6	1369.5	1363.0	1363.0	1363.0	1356.4
22.5°	1360.4	1356.4	1360.4	1363.0	1363.0	1361.7	1349.9	1340.8	1338.1	1338.1	1330.3
25°	1327.7	1323.7	1327.7	1327.7	1326.4	1327.7	1323.7	1318.5	1314.6	1310.7	1302.8
27.5°	1296.3	1293.7	1296.3	1293.7	1296.3	1292.4	1291.0	1289.7	1284.5	1280.6	1270.1
30°	1264.9	1262.3	1264.9	1262.3	1259.7	1257.0	1250.5	1247.9	1253.1	1250.5	1233.5
32.5°	1225.6	1223.0	1225.6	1225.6	1223.0	1223.0	1212.6	1208.6	1209.9	1217.8	1202.1
35°	1185.1	1181.2	1185.1	1183.8	1185.1	1181.2	1174.6	1173.3	1168.1	1177.2	1165.5
37.5°	1138.0	1134.1	1138.0	1138.0	1138.0	1140.6	1135.4	1131.5	1123.6	1135.4	1126.2
40°	1089.6	1084.4	1089.6	1088.3	1089.6	1092.2	1089.6	1087.0	1079.1	1088.3	1080.5
42.5°	1034.7	1033.4	1034.7	1036.0	1036.0	1041.2	1045.1	1039.9	1037.3	1030.7	1036.0
45°	975.8	973.2	975.8	978.4	979.7	982.3	994.1	994.1	990.2	979.7	987.6
47.5°	913.0	906.5	913.0	920.9	920.9	924.8	936.6	945.7	939.2	926.1	930.0
50°	846.3	847.6	846.3	851.5	851.5	865.9	875.1	884.2	890.8	875.1	856.8
52.5°	780.9	779.6	780.9	784.8	790.1	796.6	812.3	821.5	831.9	822.8	794.0
55°	715.5	718.1	715.5	716.8	719.4	723.4	746.9	756.1	775.7	763.9	733.8
57.5°	650.1	646.2	650.1	652.7	654.0	657.9	677.6	694.6	706.3	707.7	671.0
60°	574.2	569.0	574.2	586.0	588.6	591.2	609.6	625.2	635.7	639.6	601.7
62.5°	507.5	498.4	507.5	515.4	520.6	527.1	540.2	563.8	572.9	574.2	520.6
65°	436.9	433.0	436.9	452.6	453.9	461.7	476.1	493.1	512.8	510.1	433.0
67.5°	372.8	372.8	372.8	383.3	391.1	395.0	413.3	421.2	446.0	448.7	361.0
70°	313.9	312.6	313.9	321.8	327.0	336.2	353.2	362.3	382.0	388.5	293.0
72.5°	257.7	256.4	257.7	264.2	269.5	277.3	291.7	302.2	319.2	327.0	227.6
75°	208.0	205.4	208.0	213.2	211.9	222.4	234.1	244.6	260.3	265.5	168.7
77.5°	159.6	159.6	159.6	164.8	164.8	175.3	180.5	193.6	202.7	210.6	124.3
80°	119.0	117.7	119.0	120.3	120.3	125.6	134.7	143.9	151.7	151.7	85.0
82.5°	83.7	81.1	83.7	83.7	83.7	86.3	91.6	94.2	99.4	103.3	53.6
85°	52.3	52.3	52.3	53.6	52.3	54.9	56.2	58.9	58.9	56.2	32.7
87.5°	34.0	32.7	34.0	32.7	32.7	31.4	31.4	31.4	30.1	28.8	18.3
90°	15.4	15.4	15.4	15.4	15.4	20.6	27.4	30.8	26.4	17.8	11.3
92.5°	61.7	49.4	61.7	73.9	77.0	109.2	152.1	173.5	152.3	110.0	78.2
95°	215.1	178.0	215.1	252.3	261.5	343.4	452.7	507.3	428.4	270.7	152.4
97.5°	515.5	444.8	515.5	586.1	603.8	655.6	724.6	759.1	627.6	364.7	167.4
100°	742.6	658.5	742.6	826.9	847.9	844.1	839.1	836.5	690.7	398.9	180.1
102.5°	966.2	894.1	966.2	1038.2	1056.3	990.4	902.4	858.4	710.4	414.6	192.6
105°	1251.1	1212.4	1251.1	1289.9	1299.6	1151.7	954.5	856.0	712.7	426.2	211.3
107.5°	1437.8	1447.1	1437.8	1428.5	1426.1	1219.9	944.8	807.3	681.0	428.3	238.9
110°	1509.0	1549.3	1509.0	1468.7	1458.6	1228.0	920.5	766.8	652.9	425.0	254.2





TEST NUMBER: P934738

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1515.3	1577.3	1515.3	1453.3	1437.8	1201.8	887.2	729.9	628.3	425.2	272.9
115°	1475.1	1561.1	1475.1	1389.2	1367.7	1140.4	837.2	685.7	600.1	429.1	300.9
117.5°	1389.9	1485.2	1389.9	1294.6	1270.8	1065.6	792.1	655.2	582.5	437.2	328.1
120°	1321.3	1413.9	1321.3	1228.7	1205.5	1018.0	768.1	643.1	576.6	443.6	343.8
122.5°	1254.4	1345.8	1254.4	1163.0	1140.2	971.4	746.3	633.8	573.5	452.9	362.5
125°	1159.1	1243.3	1159.1	1074.9	1053.9	910.5	719.3	623.7	570.9	465.5	386.4
127.5°	1073.3	1144.3	1073.3	1002.3	984.5	861.4	697.2	615.1	569.4	478.0	409.5
130°	1022.7	1088.3	1022.7	957.1	940.8	831.1	685.0	611.9	570.4	487.3	424.9
132.5°	976.9	1035.6	976.9	918.1	903.4	805.3	674.4	609.0	570.9	494.7	437.5
135°	914.0	964.6	914.0	863.3	850.7	768.5	658.9	604.1	570.4	502.8	452.1
137.5°	863.6	905.1	863.6	822.2	811.8	742.3	649.7	603.4	573.9	514.9	470.7
140°	829.0	867.8	829.0	790.2	780.6	720.6	640.5	600.5	574.5	522.4	483.4
142.5°	800.4	833.7	800.4	767.0	758.7	705.9	635.6	600.5	576.5	528.6	492.7
145°	757.4	782.6	757.4	732.1	725.8	682.7	625.2	596.5	576.6	536.7	506.8
147.5°	724.3	745.2	724.3	703.5	698.2	664.3	619.1	596.5	580.5	548.6	524.7
150°	703.6	720.6	703.6	686.7	682.5	653.8	615.6	596.5	582.6	554.9	534.0
152.5°	685.9	698.7	685.9	673.1	669.9	645.4	612.8	596.5	583.9	558.9	540.1
155°	665.4	673.9	665.4	657.0	654.9	635.5	609.5	596.5	586.9	567.8	553.5
157.5°	649.3	655.2	649.3	643.4	641.9	626.7	606.6	596.5	589.9	576.8	566.9
160°	639.6	643.1	639.6	636.2	635.4	622.4	605.1	596.5	591.2	580.8	572.9
162.5°	633.4	636.6	633.4	630.1	629.3	618.4	603.8	596.5	592.7	585.1	579.5
165°	624.3	627.7	624.3	620.9	620.0	612.2	601.7	596.5	594.7	591.3	588.8
167.5°	617.7	619.1	617.7	616.3	615.9	610.8	603.9	600.5	599.1	596.2	594.0
170°	615.9	615.9	615.9	615.9	615.9	610.8	603.9	600.5	600.4	600.2	600.1
172.5°	611.1	609.8	611.1	612.3	612.7	608.6	603.2	600.5	600.5	600.5	600.5
175°	608.2	608.2	608.2	608.2	608.2	605.6	602.2	600.5	601.3	602.9	604.1
177.5°	605.6	604.1	605.6	607.1	607.5	605.5	602.7	601.4	602.0	603.2	604.1
180°	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1



TEST NUMBER: P934738

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6
2.5°	1402.2	1394.4	1394.4	1381.3	1376.1	1372.1	1365.6	1346.0	1340.8	1335.5	1343.4
5°	1414.0	1399.6	1389.2	1365.6	1346.0	1338.1	1313.3	1266.2	1234.8	1211.3	1198.2
7.5°	1416.6	1398.3	1378.7	1342.1	1295.0	1274.0	1198.2	1111.8	1088.3	1067.4	1054.3
10°	1414.0	1393.1	1365.6	1310.7	1199.5	1162.9	1087.0	1030.7	1016.4	1012.4	1016.4
12.5°	1404.8	1385.2	1347.3	1255.7	1100.1	1075.2	1030.7	998.0	995.4	1002.0	1037.3
15°	1389.2	1370.8	1326.4	1182.5	1045.1	1026.8	995.4	983.7	998.0	1043.8	1149.8
17.5°	1373.5	1352.5	1297.6	1110.5	1003.3	990.2	968.0	991.5	1072.6	1134.1	1169.4
20°	1352.5	1327.7	1264.9	1058.2	973.2	961.4	951.0	1056.9	1118.4	1140.6	1160.2
22.5°	1327.7	1301.5	1220.4	1021.6	941.8	932.6	939.2	1093.5	1118.4	1134.1	1151.1
25°	1295.0	1272.7	1168.1	992.8	916.9	906.5	931.3	1089.6	1104.0	1107.9	1141.9
27.5°	1264.9	1236.1	1113.2	966.6	886.9	882.9	937.9	1072.6	1083.1	1087.0	1123.6
30°	1228.3	1185.1	1051.7	939.2	855.5	854.2	939.2	1051.7	1049.1	1059.5	1096.1
32.5°	1190.3	1109.2	982.3	905.2	825.4	824.1	930.0	1020.3	1017.7	1032.1	1059.5
35°	1155.0	1050.4	888.2	865.9	787.4	788.8	907.8	983.7	985.0	998.0	1015.0
37.5°	1118.4	999.4	784.8	822.8	750.8	750.8	877.7	949.6	947.0	951.0	974.5
40°	1075.2	919.6	693.3	766.5	716.8	712.9	841.1	913.0	903.9	902.6	935.3
42.5°	1029.4	831.9	625.2	692.0	677.6	672.3	796.6	868.5	851.5	855.5	897.3
45°	979.7	808.4	572.9	584.7	637.0	633.1	748.2	817.5	805.8	816.2	859.4
47.5°	930.0	761.3	555.9	485.3	593.9	592.5	694.6	767.8	761.3	771.8	817.5
50°	862.0	709.0	554.6	416.0	545.5	550.7	630.5	719.4	719.4	728.6	777.0
52.5°	774.4	644.9	503.6	376.7	489.2	504.9	574.2	677.6	680.2	689.3	732.5
55°	694.6	578.2	467.0	346.6	422.5	456.5	519.3	634.4	639.6	648.8	688.0
57.5°	621.3	481.4	459.1	311.3	361.0	393.7	470.9	592.5	595.2	603.0	640.9
60°	542.8	347.9	421.2	273.4	307.4	332.2	426.4	542.8	552.0	557.2	589.9
62.5°	453.9	252.5	382.0	247.2	281.2	286.5	389.8	495.8	507.5	511.4	531.1
65°	323.1	211.9	324.4	225.0	253.8	255.1	350.6	447.4	457.8	464.4	478.7
67.5°	218.4	172.7	247.2	204.1	232.8	234.1	312.6	391.1	405.5	410.7	419.9
70°	151.7	115.1	183.1	181.8	209.3	211.9	272.1	340.1	353.2	357.1	362.3
72.5°	111.2	92.9	151.7	163.5	184.4	187.1	230.2	282.5	295.6	299.5	302.2
75°	85.0	98.1	123.0	142.6	157.0	158.3	188.4	230.2	239.4	242.0	243.3
77.5°	68.0	91.6	90.3	115.1	128.2	125.6	147.8	177.9	185.7	185.7	185.7
80°	51.0	71.9	68.0	82.4	94.2	91.6	106.0	126.9	129.5	132.1	130.8
82.5°	37.9	45.8	45.8	52.3	62.8	60.2	70.6	82.4	82.4	82.4	85.0
85°	23.5	26.2	20.9	27.5	35.3	34.0	39.2	44.5	45.8	45.8	43.2
87.5°	14.4	11.8	6.5	10.5	15.7	15.7	18.3	19.6	18.3	18.3	18.3
90°	10.6	7.2	4.0	7.2	10.6	11.3	17.8	26.4	30.8	27.4	20.6
92.5°	71.3	43.8	16.2	43.8	71.3	78.2	110.0	152.3	173.5	152.1	109.2
95°	139.8	89.4	38.9	89.4	139.8	152.4	270.7	428.4	507.3	452.7	343.4
97.5°	156.3	111.8	67.3	111.8	156.3	167.4	364.7	627.6	759.1	724.6	655.6
100°	170.0	129.6	89.2	129.6	170.0	180.1	398.9	690.7	836.5	839.1	844.1
102.5°	183.2	145.5	107.9	145.5	183.2	192.6	414.6	710.4	858.4	902.4	990.4
105°	203.4	171.4	139.5	171.4	203.4	211.3	426.2	712.7	856.0	954.5	1151.7
107.5°	231.4	201.7	172.0	201.7	231.4	238.9	428.3	681.0	807.3	944.8	1219.9
110°	247.5	220.7	193.9	220.7	247.5	254.2	425.0	652.9	766.8	920.5	1228.0



TEST NUMBER: P934738

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	266.5	240.9	215.3	240.9	266.5	272.9	425.2	628.3	729.9	887.2	1201.8
115°	294.9	271.4	247.7	271.4	294.9	300.9	429.1	600.1	685.7	837.2	1140.4
117.5°	322.7	301.2	279.7	301.2	322.7	328.1	437.2	582.5	655.2	792.1	1065.6
120°	338.8	318.6	298.4	318.6	338.8	343.8	443.6	576.6	643.1	768.1	1018.0
122.5°	357.4	337.0	316.7	337.0	357.4	362.5	452.9	573.5	633.8	746.3	971.4
125°	381.8	363.2	344.6	363.2	381.8	386.4	465.5	570.9	623.7	719.3	910.5
127.5°	404.8	386.1	367.4	386.1	404.8	409.5	478.0	569.4	615.1	697.2	861.4
130°	419.9	399.7	379.5	399.7	419.9	424.9	487.3	570.4	611.9	685.0	831.1
132.5°	432.4	412.3	392.1	412.3	432.4	437.5	494.7	570.9	609.0	674.4	805.3
135°	447.5	429.1	410.7	429.1	447.5	452.1	502.8	570.4	604.1	658.9	768.5
137.5°	466.2	448.0	429.8	448.0	466.2	470.7	514.9	573.9	603.4	649.7	742.3
140°	479.2	462.4	445.6	462.4	479.2	483.4	522.4	574.5	600.5	640.5	720.6
142.5°	488.9	473.3	457.8	473.3	488.9	492.7	528.6	576.5	600.5	635.6	705.9
145°	503.4	490.0	476.5	490.0	503.4	506.8	536.7	576.6	596.5	625.2	682.7
147.5°	521.4	508.2	495.1	508.2	521.4	524.7	548.6	580.5	596.5	619.1	664.3
150°	531.1	519.1	507.3	519.1	531.1	534.0	554.9	582.6	596.5	615.6	653.8
152.5°	537.9	528.9	519.8	528.9	537.9	540.1	558.9	583.9	596.5	612.8	645.4
155°	551.8	545.1	538.5	545.1	551.8	553.5	567.8	586.9	596.5	609.5	635.5
157.5°	565.3	558.8	552.3	558.8	565.3	566.9	576.8	589.9	596.5	606.6	626.7
160°	571.7	566.6	561.6	566.6	571.7	572.9	580.8	591.2	596.5	605.1	622.4
162.5°	578.5	574.8	570.9	574.8	578.5	579.5	585.1	592.7	596.5	603.8	618.4
165°	587.9	584.5	581.0	584.5	587.9	588.8	591.3	594.7	596.5	601.7	612.2
167.5°	593.6	592.0	590.4	592.0	593.6	594.0	596.2	599.1	600.5	603.9	610.8
170°	599.7	598.1	596.5	598.1	599.7	600.1	600.2	600.4	600.5	603.9	610.8
172.5°	600.4	600.0	599.7	600.0	600.4	600.5	600.5	600.5	600.5	603.2	608.6
175°	604.1	604.1	604.1	604.1	604.1	604.1	602.9	601.3	600.5	602.2	605.6
177.5°	604.1	604.1	604.1	604.1	604.1	604.1	603.2	602.0	601.4	602.7	605.5
180°	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1



TEST NUMBER: P934738

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6	1382.6
2.5°	1334.2	1330.3	1335.5	1321.1	1335.5	1330.3	1334.2	1343.4	1335.5	1340.8	1346.0
5°	1170.7	1164.2	1143.2	1126.2	1143.2	1164.2	1170.7	1198.2	1211.3	1234.8	1266.2
7.5°	1046.4	1041.2	1036.0	1025.5	1036.0	1041.2	1046.4	1054.3	1067.4	1088.3	1111.8
10°	1019.0	1020.3	1028.1	1026.8	1028.1	1020.3	1019.0	1016.4	1012.4	1016.4	1030.7
12.5°	1089.6	1101.4	1144.5	1141.9	1144.5	1101.4	1089.6	1037.3	1002.0	995.4	998.0
15°	1170.7	1174.6	1183.8	1185.1	1183.8	1174.6	1170.7	1149.8	1043.8	998.0	983.7
17.5°	1178.6	1179.9	1186.4	1186.4	1186.4	1179.9	1178.6	1169.4	1134.1	1072.6	991.5
20°	1172.0	1174.6	1187.7	1190.3	1187.7	1174.6	1172.0	1160.2	1140.6	1118.4	1056.9
22.5°	1169.4	1174.6	1185.1	1183.8	1185.1	1174.6	1169.4	1151.1	1134.1	1118.4	1093.5
25°	1156.3	1156.3	1157.6	1158.9	1157.6	1156.3	1156.3	1141.9	1107.9	1104.0	1089.6
27.5°	1128.8	1131.5	1139.3	1138.0	1139.3	1131.5	1128.8	1123.6	1087.0	1083.1	1072.6
30°	1104.0	1101.4	1094.8	1089.6	1094.8	1101.4	1104.0	1096.1	1059.5	1049.1	1051.7
32.5°	1062.1	1055.6	1049.1	1045.1	1049.1	1055.6	1062.1	1059.5	1032.1	1017.7	1020.3
35°	1012.4	1013.7	1012.4	1008.5	1012.4	1013.7	1012.4	1015.0	998.0	985.0	983.7
37.5°	977.1	979.7	978.4	973.2	978.4	979.7	977.1	974.5	951.0	947.0	949.6
40°	940.5	941.8	940.5	936.6	940.5	941.8	940.5	935.3	902.6	903.9	913.0
42.5°	905.2	903.9	899.9	897.3	899.9	903.9	905.2	897.3	855.5	851.5	868.5
45°	864.6	865.9	858.1	854.2	858.1	865.9	864.6	859.4	816.2	805.8	817.5
47.5°	824.1	824.1	817.5	813.6	817.5	824.1	824.1	817.5	771.8	761.3	767.8
50°	780.9	779.6	770.4	769.1	770.4	779.6	780.9	777.0	728.6	719.4	719.4
52.5°	731.2	731.2	732.5	735.1	732.5	731.2	731.2	732.5	689.3	680.2	677.6
55°	688.0	689.3	698.5	701.1	698.5	689.3	688.0	688.0	648.8	639.6	634.4
57.5°	643.6	643.6	650.1	650.1	650.1	643.6	643.6	640.9	603.0	595.2	592.5
60°	592.5	595.2	600.4	599.1	600.4	595.2	592.5	589.9	557.2	552.0	542.8
62.5°	538.9	541.5	542.8	540.2	542.8	541.5	538.9	531.1	511.4	507.5	495.8
65°	482.7	485.3	486.6	484.0	486.6	485.3	482.7	478.7	464.4	457.8	447.4
67.5°	425.1	423.8	422.5	427.7	422.5	423.8	425.1	419.9	410.7	405.5	391.1
70°	366.3	366.3	364.9	367.6	364.9	366.3	366.3	362.3	357.1	353.2	340.1
72.5°	303.5	302.2	307.4	303.5	307.4	302.2	303.5	302.2	299.5	295.6	282.5
75°	242.0	244.6	242.0	245.9	242.0	244.6	242.0	243.3	242.0	239.4	230.2
77.5°	184.4	187.1	184.4	184.4	184.4	187.1	184.4	185.7	185.7	185.7	177.9
80°	130.8	129.5	129.5	128.2	129.5	129.5	130.8	130.8	132.1	129.5	126.9
82.5°	83.7	82.4	82.4	85.0	82.4	82.4	83.7	85.0	82.4	82.4	82.4
85°	45.8	47.1	44.5	44.5	44.5	47.1	45.8	43.2	45.8	45.8	44.5
87.5°	17.0	15.7	15.7	15.7	15.7	15.7	17.0	18.3	18.3	18.3	19.6
90°	15.4	15.4	15.4	15.4	15.4	15.4	15.4	20.6	27.4	30.8	26.4
92.5°	77.0	73.9	61.7	49.4	61.7	73.9	77.0	109.2	152.1	173.5	152.3
95°	261.5	252.3	215.1	178.0	215.1	252.3	261.5	343.4	452.7	507.3	428.4
97.5°	603.8	586.1	515.5	444.8	515.5	586.1	603.8	655.6	724.6	759.1	627.6
100°	847.9	826.9	742.6	658.5	742.6	826.9	847.9	844.1	839.1	836.5	690.7
102.5°	1056.3	1038.2	966.2	894.1	966.2	1038.2	1056.3	990.4	902.4	858.4	710.4
105°	1299.6	1289.9	1251.1	1212.4	1251.1	1289.9	1299.6	1151.7	954.5	856.0	712.7
107.5°	1426.1	1428.5	1437.8	1447.1	1437.8	1428.5	1426.1	1219.9	944.8	807.3	681.0
110°	1458.6	1468.7	1509.0	1549.3	1509.0	1468.7	1458.6	1228.0	920.5	766.8	652.9



TEST NUMBER: P934738

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1437.8	1453.3	1515.3	1577.3	1515.3	1453.3	1437.8	1201.8	887.2	729.9	628.3
115°	1367.7	1389.2	1475.1	1561.1	1475.1	1389.2	1367.7	1140.4	837.2	685.7	600.1
117.5°	1270.8	1294.6	1389.9	1485.2	1389.9	1294.6	1270.8	1065.6	792.1	655.2	582.5
120°	1205.5	1228.7	1321.3	1413.9	1321.3	1228.7	1205.5	1018.0	768.1	643.1	576.6
122.5°	1140.2	1163.0	1254.4	1345.8	1254.4	1163.0	1140.2	971.4	746.3	633.8	573.5
125°	1053.9	1074.9	1159.1	1243.3	1159.1	1074.9	1053.9	910.5	719.3	623.7	570.9
127.5°	984.5	1002.3	1073.3	1144.3	1073.3	1002.3	984.5	861.4	697.2	615.1	569.4
130°	940.8	957.1	1022.7	1088.3	1022.7	957.1	940.8	831.1	685.0	611.9	570.4
132.5°	903.4	918.1	976.9	1035.6	976.9	918.1	903.4	805.3	674.4	609.0	570.9
135°	850.7	863.3	914.0	964.6	914.0	863.3	850.7	768.5	658.9	604.1	570.4
137.5°	811.8	822.2	863.6	905.1	863.6	822.2	811.8	742.3	649.7	603.4	573.9
140°	780.6	790.2	829.0	867.8	829.0	790.2	780.6	720.6	640.5	600.5	574.5
142.5°	758.7	767.0	800.4	833.7	800.4	767.0	758.7	705.9	635.6	600.5	576.5
145°	725.8	732.1	757.4	782.6	757.4	732.1	725.8	682.7	625.2	596.5	576.6
147.5°	698.2	703.5	724.3	745.2	724.3	703.5	698.2	664.3	619.1	596.5	580.5
150°	682.5	686.7	703.6	720.6	703.6	686.7	682.5	653.8	615.6	596.5	582.6
152.5°	669.9	673.1	685.9	698.7	685.9	673.1	669.9	645.4	612.8	596.5	583.9
155°	654.9	657.0	665.4	673.9	665.4	657.0	654.9	635.5	609.5	596.5	586.9
157.5°	641.9	643.4	649.3	655.2	649.3	643.4	641.9	626.7	606.6	596.5	589.9
160°	635.4	636.2	639.6	643.1	639.6	636.2	635.4	622.4	605.1	596.5	591.2
162.5°	629.3	630.1	633.4	636.6	633.4	630.1	629.3	618.4	603.8	596.5	592.7
165°	620.0	620.9	624.3	627.7	624.3	620.9	620.0	612.2	601.7	596.5	594.7
167.5°	615.9	616.3	617.7	619.1	617.7	616.3	615.9	610.8	603.9	600.5	599.1
170°	615.9	615.9	615.9	615.9	615.9	615.9	615.9	610.8	603.9	600.5	600.4
172.5°	612.7	612.3	611.1	609.8	611.1	612.3	612.7	608.6	603.2	600.5	600.5
175°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	605.6	602.2	600.5	601.3
177.5°	607.5	607.1	605.6	604.1	605.6	607.1	607.5	605.5	602.7	601.4	602.0
180°	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1



TEST NUMBER: P934738

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1382.6	1382.6	1382.6	1382.6	1382.6
2.5°	1365.6	1372.1	1376.1	1381.3	1394.4
5°	1313.3	1338.1	1346.0	1365.6	1389.2
7.5°	1198.2	1274.0	1295.0	1342.1	1378.7
10°	1087.0	1162.9	1199.5	1310.7	1365.6
12.5°	1030.7	1075.2	1100.1	1255.7	1347.3
15°	995.4	1026.8	1045.1	1182.5	1326.4
17.5°	968.0	990.2	1003.3	1110.5	1297.6
20°	951.0	961.4	973.2	1058.2	1264.9
22.5°	939.2	932.6	941.8	1021.6	1220.4
25°	931.3	906.5	916.9	992.8	1168.1
27.5°	937.9	882.9	886.9	966.6	1113.2
30°	939.2	854.2	855.5	939.2	1051.7
32.5°	930.0	824.1	825.4	905.2	982.3
35°	907.8	788.8	787.4	865.9	888.2
37.5°	877.7	750.8	750.8	822.8	784.8
40°	841.1	712.9	716.8	766.5	693.3
42.5°	796.6	672.3	677.6	692.0	625.2
45°	748.2	633.1	637.0	584.7	572.9
47.5°	694.6	592.5	593.9	485.3	555.9
50°	630.5	550.7	545.5	416.0	554.6
52.5°	574.2	504.9	489.2	376.7	503.6
55°	519.3	456.5	422.5	346.6	467.0
57.5°	470.9	393.7	361.0	311.3	459.1
60°	426.4	332.2	307.4	273.4	421.2
62.5°	389.8	286.5	281.2	247.2	382.0
65°	350.6	255.1	253.8	225.0	324.4
67.5°	312.6	234.1	232.8	204.1	247.2
70°	272.1	211.9	209.3	181.8	183.1
72.5°	230.2	187.1	184.4	163.5	151.7
75°	188.4	158.3	157.0	142.6	123.0
77.5°	147.8	125.6	128.2	115.1	90.3
80°	106.0	91.6	94.2	82.4	68.0
82.5°	70.6	60.2	62.8	52.3	45.8
85°	39.2	34.0	35.3	27.5	20.9
87.5°	18.3	15.7	15.7	10.5	6.5
90°	17.8	11.3	10.6	7.2	4.0
92.5°	110.0	78.2	71.3	43.8	16.2
95°	270.7	152.4	139.8	89.4	38.9
97.5°	364.7	167.4	156.3	111.8	67.3
100°	398.9	180.1	170.0	129.6	89.2
102.5°	414.6	192.6	183.2	145.5	107.9
105°	426.2	211.3	203.4	171.4	139.5
107.5°	428.3	238.9	231.4	201.7	172.0
110°	425.0	254.2	247.5	220.7	193.9



TEST NUMBER: P934738

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	425.2	272.9	266.5	240.9	215.3
115°	429.1	300.9	294.9	271.4	247.7
117.5°	437.2	328.1	322.7	301.2	279.7
120°	443.6	343.8	338.8	318.6	298.4
122.5°	452.9	362.5	357.4	337.0	316.7
125°	465.5	386.4	381.8	363.2	344.6
127.5°	478.0	409.5	404.8	386.1	367.4
130°	487.3	424.9	419.9	399.7	379.5
132.5°	494.7	437.5	432.4	412.3	392.1
135°	502.8	452.1	447.5	429.1	410.7
137.5°	514.9	470.7	466.2	448.0	429.8
140°	522.4	483.4	479.2	462.4	445.6
142.5°	528.6	492.7	488.9	473.3	457.8
145°	536.7	506.8	503.4	490.0	476.5
147.5°	548.6	524.7	521.4	508.2	495.1
150°	554.9	534.0	531.1	519.1	507.3
152.5°	558.9	540.1	537.9	528.9	519.8
155°	567.8	553.5	551.8	545.1	538.5
157.5°	576.8	566.9	565.3	558.8	552.3
160°	580.8	572.9	571.7	566.6	561.6
162.5°	585.1	579.5	578.5	574.8	570.9
165°	591.3	588.8	587.9	584.5	581.0
167.5°	596.2	594.0	593.6	592.0	590.4
170°	600.2	600.1	599.7	598.1	596.5
172.5°	600.5	600.5	600.4	600.0	599.7
175°	602.9	604.1	604.1	604.1	604.1
177.5°	603.2	604.1	604.1	604.1	604.1
180°	604.1	604.1	604.1	604.1	604.1



TEST NUMBER: P934738  
 CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-6-3000K

**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	12.05	12.89	13.03	13.88	15.19	14.88	15.72	15.85	16.71	18.01
	3H	12.53	13.28	13.52	14.28	15.61	16.22	16.97	17.21	17.97	19.30
	4H	12.72	13.43	13.72	14.43	15.77	16.66	17.38	17.66	18.38	19.71
	6H	12.84	13.49	13.85	14.50	15.85	16.94	17.60	17.95	18.61	19.95
	8H	12.84	13.46	13.85	14.49	15.83	17.02	17.64	18.03	18.67	20.01
	12H	12.81	13.40	13.83	14.42	15.79	17.05	17.65	18.08	18.67	20.03
4H	2H	13.08	13.80	14.09	14.80	16.13	15.28	16.00	16.29	17.00	18.33
	3H	14.11	14.70	15.12	15.73	17.08	16.79	17.38	17.80	18.41	19.76
	4H	14.38	14.93	15.41	15.95	17.32	17.31	17.86	18.34	18.88	20.25
	6H	14.51	14.97	15.54	16.02	17.39	17.68	18.14	18.71	19.19	20.56
	8H	14.51	14.95	15.55	15.99	17.37	17.78	18.22	18.82	19.26	20.64
	12H	14.48	14.87	15.53	15.93	17.31	17.84	18.23	18.89	19.28	20.67
8H	4H	14.83	15.27	15.87	16.31	17.69	17.44	17.87	18.47	18.91	20.29
	6H	15.09	15.46	16.15	16.54	17.91	17.87	18.23	18.93	19.31	20.69
	8H	15.14	15.45	16.20	16.52	17.92	18.02	18.34	19.09	19.40	20.80
	12H	15.12	15.40	16.19	16.46	17.90	18.12	18.40	19.19	19.46	20.90
12H	4H	14.84	15.23	15.89	16.29	17.67	17.40	17.79	18.45	18.85	20.23
	6H	15.15	15.47	16.22	16.54	17.94	17.87	18.18	18.93	19.25	20.65
	8H	15.22	15.50	16.29	16.56	18.00	18.03	18.31	19.10	19.37	20.81