

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: P934878

Luminaire Tested: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

**Test Information**

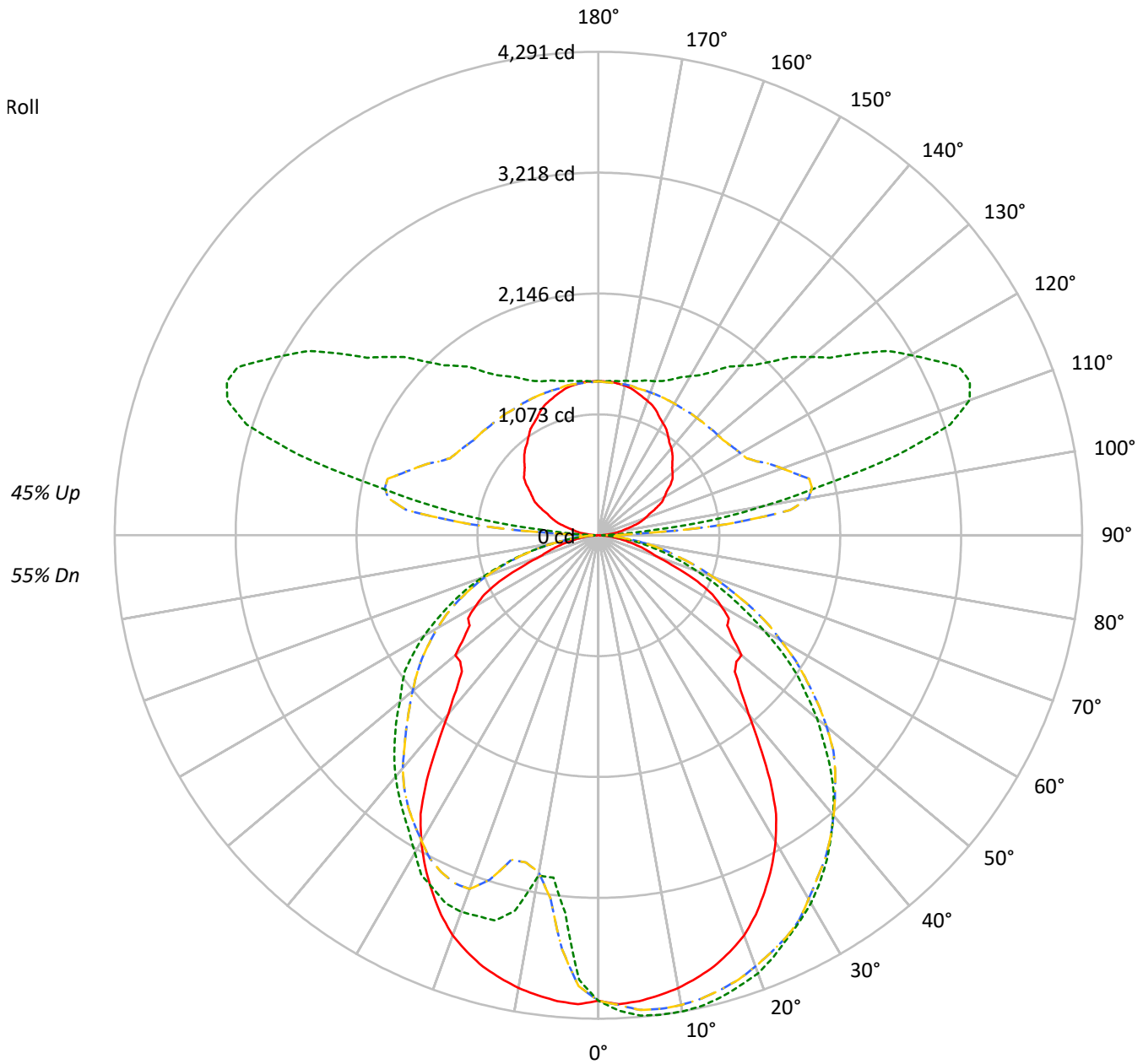
Test Method: LM-79-2019  
Report Number: P934878  
REPORT IS A COMBINATION OF REPORTS P933713 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19573.1 lumens  
Efficiency: N/A  
Efficacy: 127.4 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: General Diffuse  
  
Input Watts (W): 153.6  
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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CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-3000K

### Luminous Intensity Polar Plot



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



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

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	14

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

	0°	90°	180°	270°
0°	12777	12777	12777	12777
5°	12878	12898	12878	10142
10°	12796	12706	12796	9083
15°	12662	12430	12662	10379
20°	12402	12104	12402	10401
25°	11865	11628	11865	10180
30°	11169	11233	11169	9697
35°	9962	10734	9962	9165
40°	8306	10146	8306	8763
45°	7426	9458	7426	8301
50°	7896	8637	7896	7838
55°	7435	7753	7435	7569
60°	7674	6584	7674	6933
65°	6969	5443	6969	6084
70°	4837	4337	4837	5100
75°	4258	3206	4258	3840
80°	3456	2120	3456	2308
85°	2025	1123	2025	954

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11374 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	372.9	1.9
10°-20°	1058.7	5.4
20°-30°	1636.6	8.4
30°-40°	1953.8	10.0
40°-50°	1965.2	10.0
50°-60°	1710.0	8.7
60°-70°	1212.4	6.2
70°-80°	641.4	3.3
80°-90°	165.0	0.8
90°-100°	666.0	3.4
100°-110°	1750.9	8.9
110°-120°	1815.5	9.3
120°-130°	1456.3	7.4
130°-140°	1142.6	5.8
140°-150°	877.0	4.5
150°-160°	631.6	3.2
160°-170°	386.5	2.0
170°-180°	130.6	0.7
0°-30°	3068.3	15.7
0°-40°	5022.1	25.7
0°-60°	8697.3	44.4
0°-90°	10716.1	54.7
90°-120°	4232.4	21.6
90°-150°	7708.3	39.4
90°-180°	8857.0	45.3
0°-180°	19573.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4131	4131	4131	4131	4131	
5°	4151	4280	4151	3365	4151	394
15°	3963	4240	3963	3541	3963	1115
25°	3490	3955	3490	3463	3490	1602
35°	2654	3529	2654	3013	2654	1642
45°	1712	2908	1712	2552	1712	1371
55°	1395	2146	1395	2095	1395	1282
65°	969	1294	969	1446	969	926
75°	367	614	367	735	367	386
85°	62	156	62	133	62	84
90°	9	35	9	35	9	10
95°	88	403	88	403	88	98
105°	315	2742	315	2742	315	334
115°	560	3530	560	3530	560	553
125°	779	2811	779	2811	779	692
135°	929	2181	929	2181	929	719
145°	1077	1770	1077	1770	1077	675
155°	1218	1524	1218	1524	1218	560
165°	1314	1419	1314	1419	1314	371
175°	1366	1376	1366	1376	1366	130
180°	1366	1366	1366	1366	1366	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9
2.5°	4166.1	4166.1	4189.6	4197.4	4197.4	4185.7	4173.9	4185.7	4220.9	4232.6	4228.7
5°	4150.6	4181.8	4224.8	4232.6	4240.4	4236.5	4228.7	4236.5	4275.6	4283.4	4287.3
7.5°	4119.2	4177.9	4232.6	4244.3	4256.1	4244.3	4240.4	4248.3	4287.3	4295.1	4295.1
10°	4080.2	4162.3	4224.8	4232.6	4244.3	4232.6	4232.6	4248.3	4287.3	4295.1	4299.1
12.5°	4025.4	4138.8	4197.4	4205.3	4220.9	4216.9	4213.1	4228.7	4267.8	4275.6	4275.6
15°	3962.9	4095.8	4150.6	4158.4	4185.7	4177.9	4177.9	4193.6	4236.5	4248.3	4244.3
17.5°	3877.0	4041.1	4103.6	4115.4	4134.9	4130.9	4134.9	4150.6	4189.6	4197.4	4201.3
20°	3779.2	3966.9	4041.1	4052.9	4072.4	4072.4	4072.4	4091.9	4130.9	4146.6	4146.6
22.5°	3646.3	3888.7	3966.9	3974.7	3998.1	3998.1	4005.9	4033.2	4068.4	4072.4	4072.4
25°	3490.0	3802.7	3869.2	3892.6	3916.0	3927.7	3939.5	3955.1	3966.9	3962.9	3966.9
27.5°	3325.9	3693.3	3779.2	3794.9	3826.2	3837.9	3853.5	3857.4	3861.3	3873.0	3865.2
30°	3142.2	3540.8	3669.8	3685.5	3736.2	3744.0	3728.5	3736.2	3755.8	3763.7	3771.4
32.5°	2935.0	3314.1	3556.5	3591.6	3638.5	3615.1	3611.2	3623.0	3654.2	3654.2	3662.0
35°	2653.7	3138.3	3451.0	3482.3	3517.4	3490.0	3505.6	3509.6	3529.1	3540.8	3537.0
37.5°	2344.9	2985.9	3341.6	3365.0	3392.3	3357.1	3380.6	3392.3	3408.0	3400.1	3400.1
40°	2071.4	2747.5	3212.6	3228.2	3251.6	3224.3	3247.7	3255.6	3263.4	3255.6	3251.6
42.5°	1868.2	2485.6	3075.7	3095.3	3079.7	3099.2	3107.0	3122.7	3110.9	3095.3	3095.3
45°	1711.8	2415.3	2927.2	2950.7	2927.2	2958.5	2970.2	2970.2	2935.0	2927.2	2923.4
47.5°	1661.0	2274.6	2778.7	2778.7	2767.0	2806.1	2825.7	2798.3	2763.1	2751.4	2751.4
50°	1657.1	2118.2	2575.5	2559.9	2614.6	2661.5	2642.0	2614.6	2587.3	2544.3	2544.3
52.5°	1504.6	1926.7	2313.6	2372.3	2458.3	2485.6	2454.4	2427.0	2380.1	2360.6	2344.9
55°	1395.2	1727.5	2075.2	2192.5	2282.4	2317.6	2258.9	2231.6	2161.2	2149.5	2141.7
57.5°	1371.8	1438.2	1856.4	2004.9	2114.4	2110.4	2075.2	2024.5	1965.8	1954.2	1950.2
60°	1258.4	1039.5	1621.9	1797.8	1911.2	1899.4	1868.2	1821.2	1766.5	1758.7	1750.8
62.5°	1141.2	754.3	1356.1	1555.5	1715.7	1711.8	1684.5	1614.1	1575.0	1555.5	1539.8
65°	969.2	633.1	965.3	1293.6	1524.2	1532.0	1473.4	1422.6	1379.6	1356.1	1352.2
67.5°	738.6	515.9	652.6	1078.7	1340.6	1332.7	1258.4	1235.0	1180.2	1168.5	1145.1
70°	547.1	343.9	453.4	875.5	1160.7	1141.2	1082.5	1055.2	1004.4	977.0	961.4
72.5°	453.4	277.5	332.2	680.0	977.0	953.6	902.8	871.5	828.5	805.1	789.5
75°	367.4	293.1	254.0	504.1	793.3	777.8	730.8	699.6	664.4	633.1	637.1
77.5°	269.7	273.6	203.2	371.3	629.3	605.8	578.4	539.3	523.7	492.4	492.4
80°	203.2	214.9	152.4	254.0	453.4	453.4	429.9	402.6	375.2	359.6	359.6
82.5°	136.8	136.8	113.3	160.2	308.7	297.0	281.4	273.6	257.9	250.1	250.1
85°	62.5	78.2	70.3	97.7	168.0	175.9	175.9	168.0	164.2	156.3	160.2
87.5°	19.5	35.2	43.0	54.7	86.0	89.9	93.8	93.8	93.8	97.7	97.7
90°	9.2	16.5	23.8	25.6	40.3	59.9	69.7	61.9	46.4	34.8	34.8
92.5°	36.7	99.0	161.4	177.0	248.8	344.5	392.4	343.9	247.0	174.2	167.3
95°	88.0	202.1	316.3	344.8	612.2	968.8	1147.1	1023.7	776.7	591.4	570.4
97.5°	152.2	252.9	353.6	378.7	824.7	1419.2	1716.5	1638.4	1482.4	1365.3	1325.4
100°	201.7	293.0	384.3	407.1	902.0	1561.7	1891.6	1897.4	1908.8	1917.4	1869.8
102.5°	243.9	329.1	414.2	435.5	937.4	1606.6	1941.2	2040.6	2239.5	2388.7	2348.0
105°	315.4	387.6	459.7	477.7	963.7	1611.7	1935.7	2158.6	2604.5	2938.9	2917.0
107.5°	388.8	456.0	523.3	540.1	968.6	1540.0	1825.7	2136.7	2758.5	3224.9	3230.2
110°	438.3	499.0	559.8	574.9	961.3	1476.4	1734.0	2081.6	2776.9	3298.3	3321.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	486.9	544.8	602.6	617.1	961.6	1420.9	1650.6	2006.3	2717.9	3251.5	3286.5
115°	560.2	613.6	667.0	680.3	970.4	1357.2	1550.6	1893.3	2578.8	3092.9	3141.5
117.5°	632.7	681.2	729.6	741.8	988.5	1317.3	1481.8	1791.1	2409.7	2873.7	2927.6
120°	674.9	720.6	766.1	777.6	1003.2	1303.9	1454.3	1736.8	2302.1	2726.1	2778.4
122.5°	716.1	762.2	808.2	819.8	1024.3	1296.9	1433.2	1687.6	2196.7	2578.5	2630.2
125°	779.4	821.4	863.4	873.9	1052.7	1291.1	1410.3	1626.5	2058.9	2383.2	2430.8
127.5°	830.8	873.2	915.6	926.1	1081.1	1287.7	1391.0	1576.7	1947.9	2226.4	2266.5
130°	858.3	904.0	949.5	961.0	1101.9	1289.7	1383.7	1548.9	1879.4	2127.3	2164.4
132.5°	886.7	932.4	977.9	989.4	1118.6	1291.1	1377.2	1525.1	1821.0	2043.0	2076.2
135°	928.9	970.4	1012.0	1022.4	1137.1	1289.9	1366.3	1490.1	1737.9	1923.8	1952.4
137.5°	972.0	1013.1	1054.3	1064.6	1164.6	1297.8	1364.4	1469.1	1678.7	1835.7	1859.2
140°	1007.7	1045.6	1083.5	1093.0	1181.3	1299.2	1358.0	1448.5	1629.5	1765.1	1787.0
142.5°	1035.2	1070.3	1105.3	1114.1	1195.4	1303.8	1358.0	1437.5	1596.4	1715.6	1734.5
145°	1077.4	1108.0	1138.5	1146.2	1213.8	1303.8	1348.8	1413.8	1543.9	1641.4	1655.7
147.5°	1119.6	1149.4	1179.2	1186.6	1240.7	1312.8	1348.8	1400.0	1502.3	1579.0	1590.8
150°	1147.1	1174.0	1200.9	1207.7	1254.7	1317.5	1348.8	1392.0	1478.4	1543.2	1552.8
152.5°	1175.5	1195.9	1216.2	1221.4	1263.9	1320.5	1348.8	1385.7	1459.5	1514.8	1522.0
155°	1217.7	1232.8	1247.9	1251.6	1284.1	1327.3	1348.8	1378.2	1436.9	1480.9	1485.7
157.5°	1248.9	1263.6	1278.3	1281.9	1304.2	1334.0	1348.8	1371.6	1417.3	1451.5	1454.8
160°	1270.0	1281.4	1292.8	1295.7	1313.5	1337.0	1348.8	1368.4	1407.5	1436.9	1438.9
162.5°	1291.1	1299.6	1308.1	1310.3	1323.1	1340.3	1348.8	1365.3	1398.3	1423.1	1425.0
165°	1314.0	1321.7	1329.4	1331.4	1337.2	1345.0	1348.8	1360.7	1384.2	1402.0	1404.0
167.5°	1335.0	1338.7	1342.4	1343.3	1348.3	1354.8	1358.0	1365.7	1381.2	1392.8	1393.6
170°	1348.8	1352.5	1356.2	1357.1	1357.4	1357.8	1358.0	1365.7	1381.2	1392.8	1392.8
172.5°	1356.1	1356.9	1357.8	1358.0	1358.0	1358.0	1358.0	1364.1	1376.4	1385.5	1384.8
175°	1366.3	1366.3	1366.3	1366.3	1363.5	1359.9	1358.0	1361.9	1369.7	1375.5	1375.5
177.5°	1366.3	1366.3	1366.3	1366.3	1364.1	1361.3	1359.9	1362.9	1369.1	1373.6	1372.8
180°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9
2.5°	4236.5	4224.8	4236.5	4228.7	4232.6	4220.9	4185.7	4173.9	4185.7	4197.4	4197.4
5°	4287.3	4279.5	4287.3	4287.3	4283.4	4275.6	4236.5	4228.7	4236.5	4240.4	4232.6
7.5°	4302.9	4291.3	4302.9	4295.1	4295.1	4287.3	4248.3	4240.4	4244.3	4256.1	4244.3
10°	4302.9	4291.3	4302.9	4299.1	4295.1	4287.3	4248.3	4232.6	4232.6	4244.3	4232.6
12.5°	4283.4	4275.6	4283.4	4275.6	4275.6	4267.8	4228.7	4213.1	4216.9	4220.9	4205.3
15°	4252.1	4240.4	4252.1	4244.3	4248.3	4236.5	4193.6	4177.9	4177.9	4185.7	4158.4
17.5°	4205.3	4189.6	4205.3	4201.3	4197.4	4189.6	4150.6	4134.9	4130.9	4134.9	4115.4
20°	4150.6	4138.8	4150.6	4146.6	4146.6	4130.9	4091.9	4072.4	4072.4	4072.4	4052.9
22.5°	4064.6	4052.9	4064.6	4072.4	4072.4	4068.4	4033.2	4005.9	3998.1	3998.1	3974.7
25°	3966.9	3955.1	3966.9	3966.9	3962.9	3966.9	3955.1	3939.5	3927.7	3916.0	3892.6
27.5°	3873.0	3865.2	3873.0	3865.2	3873.0	3861.3	3857.4	3853.5	3837.9	3826.2	3794.9
30°	3779.2	3771.4	3779.2	3771.4	3763.7	3755.8	3736.2	3728.5	3744.0	3736.2	3685.5
32.5°	3662.0	3654.2	3662.0	3662.0	3654.2	3654.2	3623.0	3611.2	3615.1	3638.5	3591.6
35°	3540.8	3529.1	3540.8	3537.0	3540.8	3529.1	3509.6	3505.6	3490.0	3517.4	3482.3
37.5°	3400.1	3388.4	3400.1	3400.1	3400.1	3408.0	3392.3	3380.6	3357.1	3392.3	3365.0
40°	3255.6	3239.9	3255.6	3251.6	3255.6	3263.4	3255.6	3247.7	3224.3	3251.6	3228.2
42.5°	3091.4	3087.5	3091.4	3095.3	3095.3	3110.9	3122.7	3107.0	3099.2	3079.7	3095.3
45°	2915.5	2907.7	2915.5	2923.4	2927.2	2935.0	2970.2	2970.2	2958.5	2927.2	2950.7
47.5°	2728.0	2708.4	2728.0	2751.4	2751.4	2763.1	2798.3	2825.7	2806.1	2767.0	2778.7
50°	2528.6	2532.5	2528.6	2544.3	2544.3	2587.3	2614.6	2642.0	2661.5	2614.6	2559.9
52.5°	2333.2	2329.3	2333.2	2344.9	2360.6	2380.1	2427.0	2454.4	2485.6	2458.3	2372.3
55°	2137.7	2145.6	2137.7	2141.7	2149.5	2161.2	2231.6	2258.9	2317.6	2282.4	2192.5
57.5°	1942.4	1930.7	1942.4	1950.2	1954.2	1965.8	2024.5	2075.2	2110.4	2114.4	2004.9
60°	1715.7	1700.1	1715.7	1750.8	1758.7	1766.5	1821.2	1868.2	1899.4	1911.2	1797.8
62.5°	1516.4	1489.1	1516.4	1539.8	1555.5	1575.0	1614.1	1684.5	1711.8	1715.7	1555.5
65°	1305.4	1293.6	1305.4	1352.2	1356.1	1379.6	1422.6	1473.4	1532.0	1524.2	1293.6
67.5°	1113.9	1113.9	1113.9	1145.1	1168.5	1180.2	1235.0	1258.4	1332.7	1340.6	1078.7
70°	938.0	934.0	938.0	961.4	977.0	1004.4	1055.2	1082.5	1141.2	1160.7	875.5
72.5°	770.0	766.0	770.0	789.5	805.1	828.5	871.5	902.8	953.6	977.0	680.0
75°	621.4	613.6	621.4	637.1	633.1	664.4	699.6	730.8	777.8	793.3	504.1
77.5°	476.8	476.8	476.8	492.4	492.4	523.7	539.3	578.4	605.8	629.3	371.3
80°	355.7	351.7	355.7	359.6	359.6	375.2	402.6	429.9	453.4	453.4	254.0
82.5°	250.1	242.3	250.1	250.1	250.1	257.9	273.6	281.4	297.0	308.7	160.2
85°	156.3	156.3	156.3	160.2	156.3	164.2	168.0	175.9	175.9	168.0	97.7
87.5°	101.7	97.7	101.7	97.7	97.7	93.8	93.8	93.8	89.9	86.0	54.7
90°	34.8	34.8	34.8	34.8	34.8	46.4	61.9	69.7	59.9	40.3	25.6
92.5°	139.6	111.9	139.6	167.3	174.2	247.0	343.9	392.4	344.5	248.8	177.0
95°	486.5	402.6	486.5	570.4	591.4	776.7	1023.7	1147.1	968.8	612.2	344.8
97.5°	1165.6	1005.9	1165.6	1325.4	1365.3	1482.4	1638.4	1716.5	1419.2	824.7	378.7
100°	1679.5	1489.2	1679.5	1869.8	1917.4	1908.8	1897.4	1891.6	1561.7	902.0	407.1
102.5°	2184.9	2021.9	2184.9	2348.0	2388.7	2239.5	2040.6	1941.2	1606.6	937.4	435.5
105°	2829.3	2741.7	2829.3	2917.0	2938.9	2604.5	2158.6	1935.7	1611.7	963.7	477.7
107.5°	3251.4	3272.6	3251.4	3230.2	3224.9	2758.5	2136.7	1825.7	1540.0	968.6	540.1
110°	3412.3	3503.7	3412.3	3321.0	3298.3	2776.9	2081.6	1734.0	1476.4	961.3	574.9





TEST NUMBER: P934878

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3426.7	3567.0	3426.7	3286.5	3251.5	2717.9	2006.3	1650.6	1420.9	961.6	617.1
115°	3335.8	3530.3	3335.8	3141.5	3092.9	2578.8	1893.3	1550.6	1357.2	970.4	680.3
117.5°	3143.2	3358.8	3143.2	2927.6	2873.7	2409.7	1791.1	1481.8	1317.3	988.5	741.8
120°	2988.0	3197.4	2988.0	2778.4	2726.1	2302.1	1736.8	1454.3	1303.9	1003.2	777.6
122.5°	2836.7	3043.4	2836.7	2630.2	2578.5	2196.7	1687.6	1433.2	1296.9	1024.3	819.8
125°	2621.1	2811.4	2621.1	2430.8	2383.2	2058.9	1626.5	1410.3	1291.1	1052.7	873.9
127.5°	2427.1	2587.7	2427.1	2266.5	2226.4	1947.9	1576.7	1391.0	1287.7	1081.1	926.1
130°	2312.8	2461.2	2312.8	2164.4	2127.3	1879.4	1548.9	1383.7	1289.7	1101.9	961.0
132.5°	2209.0	2341.9	2209.0	2076.2	2043.0	1821.0	1525.1	1377.2	1291.1	1118.6	989.4
135°	2067.0	2181.4	2067.0	1952.4	1923.8	1737.9	1490.1	1366.3	1289.9	1137.1	1022.4
137.5°	1952.9	2046.6	1952.9	1859.2	1835.7	1678.7	1469.1	1364.4	1297.8	1164.6	1064.6
140°	1874.7	1962.2	1874.7	1787.0	1765.1	1629.5	1448.5	1358.0	1299.2	1181.3	1093.0
142.5°	1809.9	1885.2	1809.9	1734.5	1715.6	1596.4	1437.5	1358.0	1303.8	1195.4	1114.1
145°	1712.7	1769.7	1712.7	1655.7	1641.4	1543.9	1413.8	1348.8	1303.8	1213.8	1146.2
147.5°	1638.0	1685.4	1638.0	1590.8	1579.0	1502.3	1400.0	1348.8	1312.8	1240.7	1186.6
150°	1591.1	1629.5	1591.1	1552.8	1543.2	1478.4	1392.0	1348.8	1317.5	1254.7	1207.7
152.5°	1551.0	1579.9	1551.0	1522.0	1514.8	1459.5	1385.7	1348.8	1320.5	1263.9	1221.4
155°	1504.8	1524.0	1504.8	1485.7	1480.9	1436.9	1378.2	1348.8	1327.3	1284.1	1251.6
157.5°	1468.4	1481.8	1468.4	1454.8	1451.5	1417.3	1371.6	1348.8	1334.0	1304.2	1281.9
160°	1446.6	1454.3	1446.6	1438.9	1436.9	1407.5	1368.4	1348.8	1337.0	1313.5	1295.7
162.5°	1432.3	1439.7	1432.3	1425.0	1423.1	1398.3	1365.3	1348.8	1340.3	1323.1	1310.3
165°	1411.7	1419.4	1411.7	1404.0	1402.0	1384.2	1360.7	1348.8	1345.0	1337.2	1331.4
167.5°	1397.0	1400.2	1397.0	1393.6	1392.8	1381.2	1365.7	1358.0	1354.8	1348.3	1343.3
170°	1392.8	1392.8	1392.8	1392.8	1392.8	1381.2	1365.7	1358.0	1357.8	1357.4	1357.1
172.5°	1382.0	1379.1	1382.0	1384.8	1385.5	1376.4	1364.1	1358.0	1358.0	1358.0	1358.0
175°	1375.5	1375.5	1375.5	1375.5	1375.5	1369.7	1361.9	1358.0	1359.9	1363.5	1366.3
177.5°	1369.6	1366.3	1369.6	1372.8	1373.6	1369.1	1362.9	1359.9	1361.3	1364.1	1366.3
180°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3



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CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9
2.5°	4189.6	4166.1	4166.1	4127.1	4111.4	4099.7	4080.2	4021.6	4005.9	3990.2	4013.7
5°	4224.8	4181.8	4150.6	4080.2	4021.6	3998.1	3923.9	3783.2	3689.3	3619.0	3580.0
7.5°	4232.6	4177.9	4119.2	4009.9	3869.2	3806.7	3580.0	3322.0	3251.6	3189.1	3150.0
10°	4224.8	4162.3	4080.2	3916.0	3583.8	3474.4	3247.7	3079.7	3036.7	3024.9	3036.7
12.5°	4197.4	4138.8	4025.4	3751.9	3286.8	3212.6	3079.7	2982.0	2974.2	2993.7	3099.2
15°	4150.6	4095.8	3962.9	3533.0	3122.7	3067.9	2974.2	2939.0	2982.0	3118.7	3435.3
17.5°	4103.6	4041.1	3877.0	3318.1	2997.6	2958.5	2892.0	2962.4	3204.7	3388.4	3494.0
20°	4041.1	3966.9	3779.2	3161.7	2907.7	2872.5	2841.3	3157.9	3341.6	3408.0	3466.6
22.5°	3966.9	3888.7	3646.3	3052.4	2813.9	2786.5	2806.1	3267.3	3341.6	3388.4	3439.3
25°	3869.2	3802.7	3490.0	2966.4	2739.7	2708.4	2782.7	3255.6	3298.6	3310.3	3411.9
27.5°	3779.2	3693.3	3325.9	2888.2	2649.8	2638.0	2802.2	3204.7	3236.1	3247.7	3357.1
30°	3669.8	3540.8	3142.2	2806.1	2556.0	2552.1	2806.1	3142.2	3134.4	3165.7	3275.1
32.5°	3556.5	3314.1	2935.0	2704.5	2466.1	2462.1	2778.7	3048.4	3040.6	3083.6	3165.7
35°	3451.0	3138.3	2653.7	2587.3	2352.8	2356.6	2712.3	2939.0	2942.9	2982.0	3032.7
37.5°	3341.6	2985.9	2344.9	2458.3	2243.3	2243.3	2622.4	2837.4	2829.5	2841.3	2911.7
40°	3212.6	2747.5	2071.4	2290.2	2141.7	2130.0	2513.0	2728.0	2700.6	2696.7	2794.4
42.5°	3075.7	2485.6	1868.2	2067.4	2024.5	2008.8	2380.1	2595.1	2544.3	2556.0	2681.0
45°	2927.2	2415.3	1711.8	1747.0	1903.3	1891.5	2235.5	2442.6	2407.4	2438.8	2567.7
47.5°	2778.7	2274.6	1661.0	1449.9	1774.3	1770.5	2075.2	2294.1	2274.6	2305.9	2442.6
50°	2575.5	2118.2	1657.1	1242.9	1629.8	1645.3	1883.8	2149.5	2149.5	2176.9	2321.4
52.5°	2313.6	1926.7	1504.6	1125.5	1461.6	1508.6	1715.7	2024.5	2032.2	2059.7	2188.6
55°	2075.2	1727.5	1395.2	1035.7	1262.4	1363.9	1551.6	1895.5	1911.2	1938.5	2055.7
57.5°	1856.4	1438.2	1371.8	930.2	1078.7	1176.4	1406.9	1770.5	1778.3	1801.7	1915.0
60°	1621.9	1039.5	1258.4	816.8	918.5	992.7	1274.1	1621.9	1649.3	1664.9	1762.6
62.5°	1356.1	754.3	1141.2	738.6	840.3	855.9	1164.7	1481.2	1516.4	1528.1	1586.8
65°	965.3	633.1	969.2	672.3	758.2	762.1	1047.4	1336.6	1367.9	1387.4	1430.4
67.5°	652.6	515.9	738.6	609.6	695.6	699.6	934.0	1168.5	1211.5	1227.2	1254.6
70°	453.4	343.9	547.1	543.3	625.3	633.1	813.0	1016.2	1055.2	1067.0	1082.5
72.5°	332.2	277.5	453.4	488.6	551.1	558.9	687.8	844.2	883.3	895.0	902.8
75°	254.0	293.1	367.4	426.0	468.9	472.9	562.8	687.8	715.2	723.0	726.9
77.5°	203.2	273.6	269.7	343.9	383.0	375.2	441.6	531.6	554.9	554.9	554.9
80°	152.4	214.9	203.2	246.2	281.4	273.6	316.6	379.1	386.9	394.7	390.9
82.5°	113.3	136.8	136.8	156.3	187.6	179.7	211.0	246.2	246.2	246.2	254.0
85°	70.3	78.2	62.5	82.0	105.5	101.7	117.2	132.9	136.8	136.8	129.0
87.5°	43.0	35.2	19.5	31.3	46.9	46.9	54.7	58.7	54.7	54.7	54.7
90°	23.8	16.5	9.2	16.5	23.8	25.6	40.3	59.9	69.7	61.9	46.4
92.5°	161.4	99.0	36.7	99.0	161.4	177.0	248.8	344.5	392.4	343.9	247.0
95°	316.3	202.1	88.0	202.1	316.3	344.8	612.2	968.8	1147.1	1023.7	776.7
97.5°	353.6	252.9	152.2	252.9	353.6	378.7	824.7	1419.2	1716.5	1638.4	1482.4
100°	384.3	293.0	201.7	293.0	384.3	407.1	902.0	1561.7	1891.6	1897.4	1908.8
102.5°	414.2	329.1	243.9	329.1	414.2	435.5	937.4	1606.6	1941.2	2040.6	2239.5
105°	459.7	387.6	315.4	387.6	459.7	477.7	963.7	1611.7	1935.7	2158.6	2604.5
107.5°	523.3	456.0	388.8	456.0	523.3	540.1	968.6	1540.0	1825.7	2136.7	2758.5
110°	559.8	499.0	438.3	499.0	559.8	574.9	961.3	1476.4	1734.0	2081.6	2776.9



TEST NUMBER: P934878

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	602.6	544.8	486.9	544.8	602.6	617.1	961.6	1420.9	1650.6	2006.3	2717.9
115°	667.0	613.6	560.2	613.6	667.0	680.3	970.4	1357.2	1550.6	1893.3	2578.8
117.5°	729.6	681.2	632.7	681.2	729.6	741.8	988.5	1317.3	1481.8	1791.1	2409.7
120°	766.1	720.6	674.9	720.6	766.1	777.6	1003.2	1303.9	1454.3	1736.8	2302.1
122.5°	808.2	762.2	716.1	762.2	808.2	819.8	1024.3	1296.9	1433.2	1687.6	2196.7
125°	863.4	821.4	779.4	821.4	863.4	873.9	1052.7	1291.1	1410.3	1626.5	2058.9
127.5°	915.6	873.2	830.8	873.2	915.6	926.1	1081.1	1287.7	1391.0	1576.7	1947.9
130°	949.5	904.0	858.3	904.0	949.5	961.0	1101.9	1289.7	1383.7	1548.9	1879.4
132.5°	977.9	932.4	886.7	932.4	977.9	989.4	1118.6	1291.1	1377.2	1525.1	1821.0
135°	1012.0	970.4	928.9	970.4	1012.0	1022.4	1137.1	1289.9	1366.3	1490.1	1737.9
137.5°	1054.3	1013.1	972.0	1013.1	1054.3	1064.6	1164.6	1297.8	1364.4	1469.1	1678.7
140°	1083.5	1045.6	1007.7	1045.6	1083.5	1093.0	1181.3	1299.2	1358.0	1448.5	1629.5
142.5°	1105.3	1070.3	1035.2	1070.3	1105.3	1114.1	1195.4	1303.8	1358.0	1437.5	1596.4
145°	1138.5	1108.0	1077.4	1108.0	1138.5	1146.2	1213.8	1303.8	1348.8	1413.8	1543.9
147.5°	1179.2	1149.4	1119.6	1149.4	1179.2	1186.6	1240.7	1312.8	1348.8	1400.0	1502.3
150°	1200.9	1174.0	1147.1	1174.0	1200.9	1207.7	1254.7	1317.5	1348.8	1392.0	1478.4
152.5°	1216.2	1195.9	1175.5	1195.9	1216.2	1221.4	1263.9	1320.5	1348.8	1385.7	1459.5
155°	1247.9	1232.8	1217.7	1232.8	1247.9	1251.6	1284.1	1327.3	1348.8	1378.2	1436.9
157.5°	1278.3	1263.6	1248.9	1263.6	1278.3	1281.9	1304.2	1334.0	1348.8	1371.6	1417.3
160°	1292.8	1281.4	1270.0	1281.4	1292.8	1295.7	1313.5	1337.0	1348.8	1368.4	1407.5
162.5°	1308.1	1299.6	1291.1	1299.6	1308.1	1310.3	1323.1	1340.3	1348.8	1365.3	1398.3
165°	1329.4	1321.7	1314.0	1321.7	1329.4	1331.4	1337.2	1345.0	1348.8	1360.7	1384.2
167.5°	1342.4	1338.7	1335.0	1338.7	1342.4	1343.3	1348.3	1354.8	1358.0	1365.7	1381.2
170°	1356.2	1352.5	1348.8	1352.5	1356.2	1357.1	1357.4	1357.8	1358.0	1365.7	1381.2
172.5°	1357.8	1356.9	1356.1	1356.9	1357.8	1358.0	1358.0	1358.0	1358.0	1364.1	1376.4
175°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1363.5	1359.9	1358.0	1361.9
177.5°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1364.1	1361.3	1359.9	1362.9
180°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3



TEST NUMBER: P934878  
 CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9
2.5°	3986.4	3974.7	3990.2	3947.3	3990.2	3974.7	3986.4	4013.7	3990.2	4005.9	4021.6
5°	3497.8	3478.3	3415.8	3365.0	3415.8	3478.3	3497.8	3580.0	3619.0	3689.3	3783.2
7.5°	3126.6	3110.9	3095.3	3064.0	3095.3	3110.9	3126.6	3150.0	3189.1	3251.6	3322.0
10°	3044.5	3048.4	3071.9	3067.9	3071.9	3048.4	3044.5	3036.7	3024.9	3036.7	3079.7
12.5°	3255.6	3290.7	3419.6	3411.9	3419.6	3290.7	3255.6	3099.2	2993.7	2974.2	2982.0
15°	3497.8	3509.6	3537.0	3540.8	3537.0	3509.6	3497.8	3435.3	3118.7	2982.0	2939.0
17.5°	3521.3	3525.2	3544.8	3544.8	3544.8	3525.2	3521.3	3494.0	3388.4	3204.7	2962.4
20°	3501.8	3509.6	3548.6	3556.5	3548.6	3509.6	3501.8	3466.6	3408.0	3341.6	3157.9
22.5°	3494.0	3509.6	3540.8	3537.0	3540.8	3509.6	3494.0	3439.3	3388.4	3341.6	3267.3
25°	3454.8	3454.8	3458.8	3462.6	3458.8	3454.8	3454.8	3411.9	3310.3	3298.6	3255.6
27.5°	3372.8	3380.6	3404.1	3400.1	3404.1	3380.6	3372.8	3357.1	3247.7	3236.1	3204.7
30°	3298.6	3290.7	3271.2	3255.6	3271.2	3290.7	3298.6	3275.1	3165.7	3134.4	3142.2
32.5°	3173.4	3153.9	3134.4	3122.7	3134.4	3153.9	3173.4	3165.7	3083.6	3040.6	3048.4
35°	3024.9	3028.9	3024.9	3013.2	3024.9	3028.9	3024.9	3032.7	2982.0	2942.9	2939.0
37.5°	2919.4	2927.2	2923.4	2907.7	2923.4	2927.2	2919.4	2911.7	2841.3	2829.5	2837.4
40°	2810.0	2813.9	2810.0	2798.3	2810.0	2813.9	2810.0	2794.4	2696.7	2700.6	2728.0
42.5°	2704.5	2700.6	2688.8	2681.0	2688.8	2700.6	2704.5	2681.0	2556.0	2544.3	2595.1
45°	2583.3	2587.3	2563.8	2552.1	2563.8	2587.3	2583.3	2567.7	2438.8	2407.4	2442.6
47.5°	2462.1	2462.1	2442.6	2430.9	2442.6	2462.1	2462.1	2442.6	2305.9	2274.6	2294.1
50°	2333.2	2329.3	2301.9	2298.1	2301.9	2329.3	2333.2	2321.4	2176.9	2149.5	2149.5
52.5°	2184.7	2184.7	2188.6	2196.4	2188.6	2184.7	2184.7	2188.6	2059.7	2032.2	2024.5
55°	2055.7	2059.7	2087.0	2094.8	2087.0	2059.7	2055.7	2055.7	1938.5	1911.2	1895.5
57.5°	1922.8	1922.8	1942.4	1942.4	1942.4	1922.8	1922.8	1915.0	1801.7	1778.3	1770.5
60°	1770.5	1778.3	1793.8	1790.0	1793.8	1778.3	1770.5	1762.6	1664.9	1649.3	1621.9
62.5°	1610.1	1618.0	1621.9	1614.1	1621.9	1618.0	1610.1	1586.8	1528.1	1516.4	1481.2
65°	1442.1	1449.9	1453.9	1446.1	1453.9	1449.9	1442.1	1430.4	1387.4	1367.9	1336.6
67.5°	1270.2	1266.2	1262.4	1278.0	1262.4	1266.2	1270.2	1254.6	1227.2	1211.5	1168.5
70°	1094.3	1094.3	1090.4	1098.2	1090.4	1094.3	1094.3	1082.5	1067.0	1055.2	1016.2
72.5°	906.7	902.8	918.5	906.7	918.5	902.8	906.7	902.8	895.0	883.3	844.2
75°	723.0	730.8	723.0	734.8	723.0	730.8	723.0	726.9	723.0	715.2	687.8
77.5°	551.1	558.9	551.1	551.1	551.1	558.9	551.1	554.9	554.9	554.9	531.6
80°	390.9	386.9	386.9	383.0	386.9	386.9	390.9	390.9	394.7	386.9	379.1
82.5°	250.1	246.2	246.2	254.0	246.2	246.2	250.1	254.0	246.2	246.2	246.2
85°	136.8	140.7	132.9	132.9	132.9	140.7	136.8	129.0	136.8	136.8	132.9
87.5°	50.8	46.9	46.9	46.9	46.9	46.9	50.8	54.7	54.7	54.7	58.7
90°	34.8	34.8	34.8	34.8	34.8	34.8	34.8	46.4	61.9	69.7	59.9
92.5°	174.2	167.3	139.6	111.9	139.6	167.3	174.2	247.0	343.9	392.4	344.5
95°	591.4	570.4	486.5	402.6	486.5	570.4	591.4	776.7	1023.7	1147.1	968.8
97.5°	1365.3	1325.4	1165.6	1005.9	1165.6	1325.4	1365.3	1482.4	1638.4	1716.5	1419.2
100°	1917.4	1869.8	1679.5	1489.2	1679.5	1869.8	1917.4	1908.8	1897.4	1891.6	1561.7
102.5°	2388.7	2348.0	2184.9	2021.9	2184.9	2348.0	2388.7	2239.5	2040.6	1941.2	1606.6
105°	2938.9	2917.0	2829.3	2741.7	2829.3	2917.0	2938.9	2604.5	2158.6	1935.7	1611.7
107.5°	3224.9	3230.2	3251.4	3272.6	3251.4	3230.2	3224.9	2758.5	2136.7	1825.7	1540.0
110°	3298.3	3321.0	3412.3	3503.7	3412.3	3321.0	3298.3	2776.9	2081.6	1734.0	1476.4



TEST NUMBER: P934878

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3251.5	3286.5	3426.7	3567.0	3426.7	3286.5	3251.5	2717.9	2006.3	1650.6	1420.9
115°	3092.9	3141.5	3335.8	3530.3	3335.8	3141.5	3092.9	2578.8	1893.3	1550.6	1357.2
117.5°	2873.7	2927.6	3143.2	3358.8	3143.2	2927.6	2873.7	2409.7	1791.1	1481.8	1317.3
120°	2726.1	2778.4	2988.0	3197.4	2988.0	2778.4	2726.1	2302.1	1736.8	1454.3	1303.9
122.5°	2578.5	2630.2	2836.7	3043.4	2836.7	2630.2	2578.5	2196.7	1687.6	1433.2	1296.9
125°	2383.2	2430.8	2621.1	2811.4	2621.1	2430.8	2383.2	2058.9	1626.5	1410.3	1291.1
127.5°	2226.4	2266.5	2427.1	2587.7	2427.1	2266.5	2226.4	1947.9	1576.7	1391.0	1287.7
130°	2127.3	2164.4	2312.8	2461.2	2312.8	2164.4	2127.3	1879.4	1548.9	1383.7	1289.7
132.5°	2043.0	2076.2	2209.0	2341.9	2209.0	2076.2	2043.0	1821.0	1525.1	1377.2	1291.1
135°	1923.8	1952.4	2067.0	2181.4	2067.0	1952.4	1923.8	1737.9	1490.1	1366.3	1289.9
137.5°	1835.7	1859.2	1952.9	2046.6	1952.9	1859.2	1835.7	1678.7	1469.1	1364.4	1297.8
140°	1765.1	1787.0	1874.7	1962.2	1874.7	1787.0	1765.1	1629.5	1448.5	1358.0	1299.2
142.5°	1715.6	1734.5	1809.9	1885.2	1809.9	1734.5	1715.6	1596.4	1437.5	1358.0	1303.8
145°	1641.4	1655.7	1712.7	1769.7	1712.7	1655.7	1641.4	1543.9	1413.8	1348.8	1303.8
147.5°	1579.0	1590.8	1638.0	1685.4	1638.0	1590.8	1579.0	1502.3	1400.0	1348.8	1312.8
150°	1543.2	1552.8	1591.1	1629.5	1591.1	1552.8	1543.2	1478.4	1392.0	1348.8	1317.5
152.5°	1514.8	1522.0	1551.0	1579.9	1551.0	1522.0	1514.8	1459.5	1385.7	1348.8	1320.5
155°	1480.9	1485.7	1504.8	1524.0	1504.8	1485.7	1480.9	1436.9	1378.2	1348.8	1327.3
157.5°	1451.5	1454.8	1468.4	1481.8	1468.4	1454.8	1451.5	1417.3	1371.6	1348.8	1334.0
160°	1436.9	1438.9	1446.6	1454.3	1446.6	1438.9	1436.9	1407.5	1368.4	1348.8	1337.0
162.5°	1423.1	1425.0	1432.3	1439.7	1432.3	1425.0	1423.1	1398.3	1365.3	1348.8	1340.3
165°	1402.0	1404.0	1411.7	1419.4	1411.7	1404.0	1402.0	1384.2	1360.7	1348.8	1345.0
167.5°	1392.8	1393.6	1397.0	1400.2	1397.0	1393.6	1392.8	1381.2	1365.7	1358.0	1354.8
170°	1392.8	1392.8	1392.8	1392.8	1392.8	1392.8	1392.8	1381.2	1365.7	1358.0	1357.8
172.5°	1385.5	1384.8	1382.0	1379.1	1382.0	1384.8	1385.5	1376.4	1364.1	1358.0	1358.0
175°	1375.5	1375.5	1375.5	1375.5	1375.5	1375.5	1375.5	1369.7	1361.9	1358.0	1359.9
177.5°	1373.6	1372.8	1369.6	1366.3	1369.6	1372.8	1373.6	1369.1	1362.9	1359.9	1361.3
180°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3



TEST NUMBER: P934878

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	4130.9	4130.9	4130.9	4130.9	4130.9
2.5°	4080.2	4099.7	4111.4	4127.1	4166.1
5°	3923.9	3998.1	4021.6	4080.2	4150.6
7.5°	3580.0	3806.7	3869.2	4009.9	4119.2
10°	3247.7	3474.4	3583.8	3916.0	4080.2
12.5°	3079.7	3212.6	3286.8	3751.9	4025.4
15°	2974.2	3067.9	3122.7	3533.0	3962.9
17.5°	2892.0	2958.5	2997.6	3318.1	3877.0
20°	2841.3	2872.5	2907.7	3161.7	3779.2
22.5°	2806.1	2786.5	2813.9	3052.4	3646.3
25°	2782.7	2708.4	2739.7	2966.4	3490.0
27.5°	2802.2	2638.0	2649.8	2888.2	3325.9
30°	2806.1	2552.1	2556.0	2806.1	3142.2
32.5°	2778.7	2462.1	2466.1	2704.5	2935.0
35°	2712.3	2356.6	2352.8	2587.3	2653.7
37.5°	2622.4	2243.3	2243.3	2458.3	2344.9
40°	2513.0	2130.0	2141.7	2290.2	2071.4
42.5°	2380.1	2008.8	2024.5	2067.4	1868.2
45°	2235.5	1891.5	1903.3	1747.0	1711.8
47.5°	2075.2	1770.5	1774.3	1449.9	1661.0
50°	1883.8	1645.3	1629.8	1242.9	1657.1
52.5°	1715.7	1508.6	1461.6	1125.5	1504.6
55°	1551.6	1363.9	1262.4	1035.7	1395.2
57.5°	1406.9	1176.4	1078.7	930.2	1371.8
60°	1274.1	992.7	918.5	816.8	1258.4
62.5°	1164.7	855.9	840.3	738.6	1141.2
65°	1047.4	762.1	758.2	672.3	969.2
67.5°	934.0	699.6	695.6	609.6	738.6
70°	813.0	633.1	625.3	543.3	547.1
72.5°	687.8	558.9	551.1	488.6	453.4
75°	562.8	472.9	468.9	426.0	367.4
77.5°	441.6	375.2	383.0	343.9	269.7
80°	316.6	273.6	281.4	246.2	203.2
82.5°	211.0	179.7	187.6	156.3	136.8
85°	117.2	101.7	105.5	82.0	62.5
87.5°	54.7	46.9	46.9	31.3	19.5
90°	40.3	25.6	23.8	16.5	9.2
92.5°	248.8	177.0	161.4	99.0	36.7
95°	612.2	344.8	316.3	202.1	88.0
97.5°	824.7	378.7	353.6	252.9	152.2
100°	902.0	407.1	384.3	293.0	201.7
102.5°	937.4	435.5	414.2	329.1	243.9
105°	963.7	477.7	459.7	387.6	315.4
107.5°	968.6	540.1	523.3	456.0	388.8
110°	961.3	574.9	559.8	499.0	438.3



TEST NUMBER: P934878

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	961.6	617.1	602.6	544.8	486.9
115°	970.4	680.3	667.0	613.6	560.2
117.5°	988.5	741.8	729.6	681.2	632.7
120°	1003.2	777.6	766.1	720.6	674.9
122.5°	1024.3	819.8	808.2	762.2	716.1
125°	1052.7	873.9	863.4	821.4	779.4
127.5°	1081.1	926.1	915.6	873.2	830.8
130°	1101.9	961.0	949.5	904.0	858.3
132.5°	1118.6	989.4	977.9	932.4	886.7
135°	1137.1	1022.4	1012.0	970.4	928.9
137.5°	1164.6	1064.6	1054.3	1013.1	972.0
140°	1181.3	1093.0	1083.5	1045.6	1007.7
142.5°	1195.4	1114.1	1105.3	1070.3	1035.2
145°	1213.8	1146.2	1138.5	1108.0	1077.4
147.5°	1240.7	1186.6	1179.2	1149.4	1119.6
150°	1254.7	1207.7	1200.9	1174.0	1147.1
152.5°	1263.9	1221.4	1216.2	1195.9	1175.5
155°	1284.1	1251.6	1247.9	1232.8	1217.7
157.5°	1304.2	1281.9	1278.3	1263.6	1248.9
160°	1313.5	1295.7	1292.8	1281.4	1270.0
162.5°	1323.1	1310.3	1308.1	1299.6	1291.1
165°	1337.2	1331.4	1329.4	1321.7	1314.0
167.5°	1348.3	1343.3	1342.4	1338.7	1335.0
170°	1357.4	1357.1	1356.2	1352.5	1348.8
172.5°	1358.0	1358.0	1357.8	1356.9	1356.1
175°	1363.5	1366.3	1366.3	1366.3	1366.3
177.5°	1364.1	1366.3	1366.3	1366.3	1366.3
180°	1366.3	1366.3	1366.3	1366.3	1366.3



TEST NUMBER: P934878  
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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	14.09	15.00	15.01	15.93	17.13	16.94	17.85	17.86	18.78	19.98
	3H	14.57	15.38	15.50	16.33	17.55	18.30	19.11	19.23	20.05	21.28
	4H	14.76	15.53	15.71	16.48	17.72	18.75	19.52	19.69	20.47	21.70
	6H	14.89	15.59	15.84	16.55	17.80	19.04	19.75	20.00	20.70	21.95
	8H	14.89	15.56	15.85	16.53	17.78	19.12	19.79	20.08	20.77	22.01
	12H	14.86	15.50	15.83	16.47	17.74	19.16	19.80	20.13	20.77	22.04
4H	2H	15.13	15.90	16.08	16.85	18.09	17.36	18.12	18.30	19.07	20.31
	3H	16.17	16.81	17.12	17.78	19.03	18.87	19.51	19.83	20.49	21.74
	4H	16.44	17.03	17.41	18.00	19.27	19.41	19.99	20.37	20.96	22.24
	6H	16.57	17.07	17.55	18.07	19.34	19.78	20.28	20.76	21.28	22.55
	8H	16.58	17.05	17.56	18.04	19.32	19.89	20.36	20.87	21.35	22.64
	12H	16.55	16.97	17.55	17.98	19.27	19.95	20.38	20.95	21.38	22.68
8H	4H	16.90	17.37	17.89	18.36	19.65	19.53	20.00	20.52	20.99	22.28
	6H	17.17	17.56	18.18	18.59	19.87	19.98	20.37	20.99	21.40	22.68
	8H	17.21	17.55	18.23	18.57	19.88	20.13	20.48	21.15	21.50	22.80
	12H	17.20	17.50	18.22	18.51	19.86	20.24	20.54	21.26	21.55	22.90
12H	4H	16.91	17.34	17.91	18.34	19.64	19.50	19.93	20.50	20.93	22.22
	6H	17.23	17.57	18.25	18.59	19.90	19.98	20.32	20.99	21.34	22.64
	8H	17.30	17.60	18.32	18.61	19.96	20.14	20.44	21.16	21.46	22.81