

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: P934981

Luminaire Tested: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934981
REPORT IS A COMBINATION OF REPORTS P933717 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

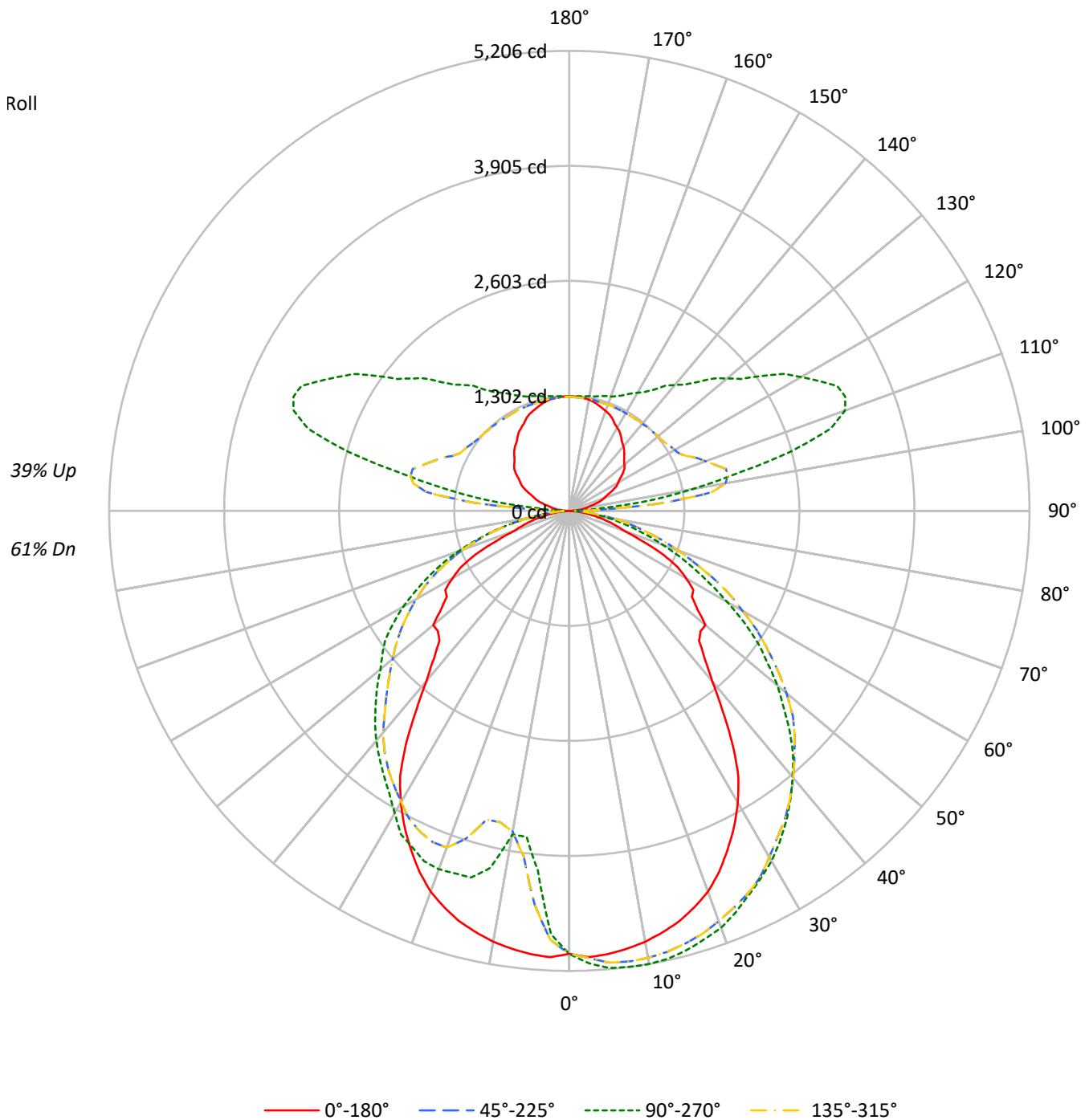
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21389.5 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 186
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





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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	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61
1	100	96	92	88	94	90	86	83	79	76	74	68	66	65	59	57	56	51
2	91	84	78	72	85	79	73	68	69	65	61	60	57	54	52	49	47	43
3	83	74	66	60	78	69	63	57	61	56	51	53	49	46	46	43	40	36
4	76	65	57	51	71	61	54	49	54	48	44	47	43	39	41	37	35	31
5	70	58	50	44	65	55	47	42	48	42	38	42	38	34	37	33	30	27
6	65	52	44	38	60	49	42	36	44	37	33	38	33	30	33	29	26	24
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	19
9	52	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15502	15502	15502	15502
5°	15623	15649	15623	12305
10°	15525	15414	15525	11020
15°	15362	15081	15362	12592
20°	15047	14685	15047	12619
25°	14395	14108	14395	12351
30°	13550	13629	13550	11765
35°	12086	13023	12086	11119
40°	10076	12309	10076	10632
45°	9009	11474	9009	10071
50°	9579	10479	9579	9508
55°	9021	9406	9021	9183
60°	9311	7988	9311	8411
65°	8455	6604	8455	7381
70°	5869	5262	5869	6188
75°	5166	3890	5166	4658
80°	4194	2572	4194	2801
85°	2456	1362	2456	1158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13799 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.4	2.1
10°-20°	1284.5	6.0
20°-30°	1985.6	9.3
30°-40°	2370.4	11.1
40°-50°	2384.3	11.1
50°-60°	2074.6	9.7
60°-70°	1470.9	6.9
70°-80°	778.2	3.6
80°-90°	198.8	0.9
90°-100°	630.9	2.9
100°-110°	1658.6	7.8
110°-120°	1719.8	8.0
120°-130°	1379.5	6.4
130°-140°	1082.4	5.1
140°-150°	830.8	3.9
150°-160°	598.3	2.8
160°-170°	366.1	1.7
170°-180°	123.7	0.6
0°-30°	3722.5	17.4
0°-40°	6092.9	28.5
0°-60°	10551.8	49.3
0°-90°	12999.7	60.8
90°-120°	4009.2	18.7
90°-150°	7301.8	34.1
90°-180°	8390.0	39.2
0°-180°	21389.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5012	5012	5012	5012	5012	
5°	5036	5192	5036	4082	5036	478
15°	4808	5145	4808	4296	4808	1353
25°	4234	4798	4234	4201	4234	1944
35°	3220	4282	3220	3656	3220	1992
45°	2077	3528	2077	3096	2077	1664
55°	1693	2603	1693	2542	1693	1555
65°	1176	1570	1176	1754	1176	1124
75°	446	744	446	891	446	469
85°	76	190	76	161	76	102
90°	9	33	9	33	9	10
95°	83	381	83	381	83	93
105°	299	2597	299	2597	299	317
115°	531	3344	531	3344	531	524
125°	738	2663	738	2663	738	656
135°	880	2066	880	2066	880	681
145°	1021	1676	1021	1676	1021	639
155°	1154	1444	1154	1444	1154	530
165°	1245	1345	1245	1345	1245	351
175°	1294	1303	1294	1303	1294	123
180°	1294	1294	1294	1294	1294	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	5054.5	5054.5	5082.9	5092.4	5092.4	5078.2	5064.0	5078.2	5120.8	5135.1	5130.4
5°	5035.5	5073.5	5125.6	5135.1	5144.6	5139.8	5130.4	5139.8	5187.2	5196.8	5201.4
7.5°	4997.6	5068.7	5135.1	5149.3	5163.5	5149.3	5144.6	5154.1	5201.4	5211.0	5211.0
10°	4950.2	5049.8	5125.6	5135.1	5149.3	5135.1	5135.1	5154.1	5201.4	5211.0	5215.7
12.5°	4883.8	5021.3	5092.4	5101.9	5120.8	5116.1	5111.4	5130.4	5177.7	5187.2	5187.2
15°	4808.0	4969.2	5035.5	5045.0	5078.2	5068.7	5068.7	5087.7	5139.8	5154.1	5149.3
17.5°	4703.6	4902.8	4978.6	4992.9	5016.5	5011.8	5016.5	5035.5	5082.9	5092.4	5097.1
20°	4585.1	4812.6	4902.8	4916.9	4940.7	4940.7	4940.7	4964.4	5011.8	5030.8	5030.8
22.5°	4423.9	4717.8	4812.6	4822.1	4850.6	4850.6	4860.1	4893.2	4935.9	4940.7	4940.7
25°	4234.2	4613.5	4694.1	4722.6	4751.1	4765.3	4779.5	4798.4	4812.6	4808.0	4812.6
27.5°	4035.1	4480.8	4585.1	4604.1	4642.0	4656.2	4675.1	4679.9	4684.7	4698.9	4689.4
30°	3812.2	4295.8	4452.3	4471.2	4532.9	4542.4	4523.5	4532.9	4556.6	4566.1	4575.6
32.5°	3560.9	4020.9	4314.8	4357.5	4414.4	4386.0	4381.2	4395.4	4433.3	4433.3	4442.9
35°	3219.5	3807.5	4186.7	4224.7	4267.4	4234.2	4253.2	4257.9	4281.6	4295.8	4291.1
37.5°	2845.0	3622.5	4054.0	4082.5	4115.7	4073.0	4101.5	4115.7	4134.6	4125.1	4125.1
40°	2513.0	3333.3	3897.6	3916.5	3944.9	3911.8	3940.3	3949.7	3959.2	3949.7	3944.9
42.5°	2266.4	3015.6	3731.6	3755.3	3736.4	3760.0	3769.5	3788.5	3774.3	3755.3	3755.3
45°	2076.7	2930.2	3551.4	3579.8	3551.4	3589.4	3603.6	3603.6	3560.9	3551.4	3546.7
47.5°	2015.2	2759.6	3371.3	3371.3	3357.0	3404.4	3428.2	3394.9	3352.3	3338.0	3338.0
50°	2010.4	2569.9	3124.7	3105.7	3172.1	3229.0	3205.3	3172.1	3138.9	3086.8	3086.8
52.5°	1825.5	2337.6	2807.0	2878.1	2982.4	3015.6	2977.7	2944.5	2887.6	2863.9	2845.0
55°	1692.7	2095.8	2517.8	2660.0	2769.0	2811.7	2740.6	2707.4	2622.1	2607.8	2598.4
57.5°	1664.3	1744.9	2252.2	2432.4	2565.1	2560.5	2517.8	2456.1	2385.0	2370.8	2366.0
60°	1526.8	1261.3	1967.8	2181.1	2318.7	2304.4	2266.4	2209.6	2143.2	2133.7	2124.2
62.5°	1384.6	915.1	1645.3	1887.1	2081.5	2076.7	2043.6	1958.2	1910.9	1887.1	1868.2
65°	1175.9	768.1	1171.1	1569.5	1849.2	1858.7	1787.6	1725.9	1673.7	1645.3	1640.6
67.5°	896.2	625.9	791.8	1308.6	1626.4	1616.8	1526.8	1498.3	1431.9	1417.7	1389.2
70°	663.8	417.2	550.0	1062.1	1408.2	1384.6	1313.4	1280.2	1218.6	1185.3	1166.4
72.5°	550.0	336.6	403.0	825.0	1185.3	1156.9	1095.3	1057.4	1005.2	976.8	957.8
75°	445.7	355.6	308.2	611.7	962.5	943.5	886.6	848.7	806.0	768.1	772.9
77.5°	327.2	331.9	246.6	450.5	763.4	735.0	701.7	654.4	635.4	597.5	597.5
80°	246.6	260.8	184.9	308.2	550.0	550.0	521.5	488.4	455.2	436.2	436.2
82.5°	166.0	166.0	137.5	194.4	374.6	360.3	341.4	331.9	313.0	303.5	303.5
85°	75.8	94.8	85.4	118.5	203.9	213.3	213.3	203.9	199.1	189.7	194.4
87.5°	23.7	42.7	52.1	66.4	104.3	109.1	113.8	113.8	113.8	118.5	118.5
90°	8.7	15.6	22.5	24.3	38.2	56.8	66.0	58.7	44.0	33.0	33.0
92.5°	34.7	93.8	152.9	167.7	235.6	326.3	371.7	325.8	234.0	165.0	158.5
95°	83.4	191.5	299.6	326.6	579.9	917.7	1086.6	969.7	735.7	560.2	540.3
97.5°	144.2	239.6	334.9	358.7	781.2	1344.4	1626.0	1552.0	1404.2	1293.3	1255.5
100°	191.1	277.6	364.1	385.6	854.4	1479.4	1791.9	1797.3	1808.1	1816.3	1771.1
102.5°	231.1	311.8	392.4	412.5	888.0	1521.9	1838.9	1933.0	2121.4	2262.7	2224.1
105°	298.8	367.2	435.4	452.5	912.9	1526.7	1833.6	2044.8	2467.2	2783.9	2763.1
107.5°	368.3	432.0	495.7	511.6	917.6	1458.8	1729.4	2024.0	2613.1	3054.8	3059.9
110°	415.2	472.7	530.2	544.6	910.6	1398.6	1642.5	1971.9	2630.4	3124.3	3145.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	461.2	516.0	570.9	584.6	910.9	1346.0	1563.5	1900.5	2574.6	3080.1	3113.2
115°	530.7	581.2	631.9	644.5	919.2	1285.7	1468.8	1793.5	2442.8	2929.8	2975.8
117.5°	599.3	645.3	691.2	702.6	936.3	1247.8	1403.6	1696.6	2282.6	2722.1	2773.2
120°	639.3	682.6	725.7	736.6	950.3	1235.1	1377.6	1645.2	2180.7	2582.3	2631.9
122.5°	678.4	722.0	765.6	776.5	970.2	1228.5	1357.6	1598.6	2080.9	2442.5	2491.4
125°	738.3	778.1	817.9	827.8	997.1	1223.0	1335.9	1540.7	1950.3	2257.5	2302.6
127.5°	787.0	827.2	867.3	877.3	1024.1	1219.8	1317.7	1493.6	1845.2	2109.0	2147.0
130°	813.0	856.3	899.4	910.3	1043.7	1221.7	1310.7	1467.2	1780.3	2015.1	2050.2
132.5°	839.9	883.2	926.3	937.2	1059.6	1223.0	1304.6	1444.7	1725.0	1935.2	1966.7
135°	879.9	919.2	958.7	968.5	1077.1	1221.9	1294.2	1411.6	1646.3	1822.3	1849.4
137.5°	920.7	959.7	998.7	1008.4	1103.1	1229.3	1292.5	1391.7	1590.1	1738.9	1761.2
140°	954.5	990.4	1026.4	1035.3	1119.0	1230.6	1286.4	1372.1	1543.5	1672.0	1692.8
142.5°	980.6	1013.9	1047.0	1055.3	1132.4	1235.0	1286.4	1361.7	1512.2	1625.2	1643.0
145°	1020.6	1049.5	1078.5	1085.8	1149.8	1235.0	1277.7	1339.3	1462.5	1554.8	1568.4
147.5°	1060.6	1088.8	1117.0	1124.0	1175.3	1243.5	1277.7	1326.2	1423.0	1495.7	1506.9
150°	1086.6	1112.1	1137.6	1144.0	1188.5	1248.0	1277.7	1318.6	1400.4	1461.8	1470.9
152.5°	1113.5	1132.8	1152.1	1156.9	1197.2	1250.9	1277.7	1312.6	1382.5	1434.9	1441.7
155°	1153.5	1167.8	1182.1	1185.6	1216.3	1257.3	1277.7	1305.5	1361.1	1402.8	1407.4
157.5°	1183.0	1196.9	1210.8	1214.3	1235.4	1263.6	1277.7	1299.3	1342.5	1374.9	1378.1
160°	1203.0	1213.8	1224.7	1227.4	1244.2	1266.5	1277.7	1296.2	1333.3	1361.1	1363.0
162.5°	1223.0	1231.1	1239.1	1241.2	1253.3	1269.6	1277.7	1293.3	1324.6	1348.0	1349.8
165°	1244.7	1252.0	1259.3	1261.2	1266.7	1274.1	1277.7	1288.9	1311.2	1328.1	1329.9
167.5°	1264.6	1268.1	1271.6	1272.5	1277.2	1283.3	1286.4	1293.7	1308.3	1319.4	1320.1
170°	1277.7	1281.2	1284.7	1285.6	1285.8	1286.2	1286.4	1293.7	1308.3	1319.4	1319.4
172.5°	1284.6	1285.4	1286.2	1286.4	1286.4	1286.4	1286.4	1292.2	1303.8	1312.5	1311.8
175°	1294.2	1294.2	1294.2	1294.2	1291.6	1288.2	1286.4	1290.0	1297.4	1302.9	1302.9
177.5°	1294.2	1294.2	1294.2	1294.2	1292.2	1289.5	1288.2	1291.1	1296.9	1301.2	1300.4
180°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	5139.8	5125.6	5139.8	5130.4	5135.1	5120.8	5078.2	5064.0	5078.2	5092.4	5092.4
5°	5201.4	5192.0	5201.4	5201.4	5196.8	5187.2	5139.8	5130.4	5139.8	5144.6	5135.1
7.5°	5220.4	5206.2	5220.4	5211.0	5211.0	5201.4	5154.1	5144.6	5149.3	5163.5	5149.3
10°	5220.4	5206.2	5220.4	5215.7	5211.0	5201.4	5154.1	5135.1	5135.1	5149.3	5135.1
12.5°	5196.8	5187.2	5196.8	5187.2	5187.2	5177.7	5130.4	5111.4	5116.1	5120.8	5101.9
15°	5158.8	5144.6	5158.8	5149.3	5154.1	5139.8	5087.7	5068.7	5068.7	5078.2	5045.0
17.5°	5101.9	5082.9	5101.9	5097.1	5092.4	5082.9	5035.5	5016.5	5011.8	5016.5	4992.9
20°	5035.5	5021.3	5035.5	5030.8	5030.8	5011.8	4964.4	4940.7	4940.7	4940.7	4916.9
22.5°	4931.2	4916.9	4931.2	4940.7	4940.7	4935.9	4893.2	4860.1	4850.6	4850.6	4822.1
25°	4812.6	4798.4	4812.6	4812.6	4808.0	4812.6	4798.4	4779.5	4765.3	4751.1	4722.6
27.5°	4698.9	4689.4	4698.9	4689.4	4698.9	4684.7	4679.9	4675.1	4656.2	4642.0	4604.1
30°	4585.1	4575.6	4585.1	4575.6	4566.1	4556.6	4532.9	4523.5	4542.4	4532.9	4471.2
32.5°	4442.9	4433.3	4442.9	4442.9	4433.3	4433.3	4395.4	4381.2	4386.0	4414.4	4357.5
35°	4295.8	4281.6	4295.8	4291.1	4295.8	4281.6	4257.9	4253.2	4234.2	4267.4	4224.7
37.5°	4125.1	4110.9	4125.1	4125.1	4125.1	4134.6	4115.7	4101.5	4073.0	4115.7	4082.5
40°	3949.7	3930.7	3949.7	3944.9	3949.7	3959.2	3949.7	3940.3	3911.8	3944.9	3916.5
42.5°	3750.6	3745.8	3750.6	3755.3	3755.3	3774.3	3788.5	3769.5	3760.0	3736.4	3755.3
45°	3537.2	3527.7	3537.2	3546.7	3551.4	3560.9	3603.6	3603.6	3589.4	3551.4	3579.8
47.5°	3309.6	3285.9	3309.6	3338.0	3338.0	3352.3	3394.9	3428.2	3404.4	3357.0	3371.3
50°	3067.8	3072.5	3067.8	3086.8	3086.8	3138.9	3172.1	3205.3	3229.0	3172.1	3105.7
52.5°	2830.7	2826.0	2830.7	2845.0	2863.9	2887.6	2944.5	2977.7	3015.6	2982.4	2878.1
55°	2593.6	2603.2	2593.6	2598.4	2607.8	2622.1	2707.4	2740.6	2811.7	2769.0	2660.0
57.5°	2356.6	2342.3	2356.6	2366.0	2370.8	2385.0	2456.1	2517.8	2560.5	2565.1	2432.4
60°	2081.5	2062.6	2081.5	2124.2	2133.7	2143.2	2209.6	2266.4	2304.4	2318.7	2181.1
62.5°	1839.7	1806.5	1839.7	1868.2	1887.1	1910.9	1958.2	2043.6	2076.7	2081.5	1887.1
65°	1583.7	1569.5	1583.7	1640.6	1645.3	1673.7	1725.9	1787.6	1858.7	1849.2	1569.5
67.5°	1351.3	1351.3	1351.3	1389.2	1417.7	1431.9	1498.3	1526.8	1616.8	1626.4	1308.6
70°	1138.0	1133.2	1138.0	1166.4	1185.3	1218.6	1280.2	1313.4	1384.6	1408.2	1062.1
72.5°	934.1	929.3	934.1	957.8	976.8	1005.2	1057.4	1095.3	1156.9	1185.3	825.0
75°	753.9	744.4	753.9	772.9	768.1	806.0	848.7	886.6	943.5	962.5	611.7
77.5°	578.4	578.4	578.4	597.5	597.5	635.4	654.4	701.7	735.0	763.4	450.5
80°	431.5	426.7	431.5	436.2	436.2	455.2	488.4	521.5	550.0	550.0	308.2
82.5°	303.5	293.9	303.5	303.5	303.5	313.0	331.9	341.4	360.3	374.6	194.4
85°	189.7	189.7	189.7	194.4	189.7	199.1	203.9	213.3	213.3	203.9	118.5
87.5°	123.3	118.5	123.3	118.5	118.5	113.8	113.8	113.8	109.1	104.3	66.4
90°	33.0	33.0	33.0	33.0	33.0	44.0	58.7	66.0	56.8	38.2	24.3
92.5°	132.3	106.0	132.3	158.5	165.0	234.0	325.8	371.7	326.3	235.6	167.7
95°	460.8	381.4	460.8	540.3	560.2	735.7	969.7	1086.6	917.7	579.9	326.6
97.5°	1104.2	952.9	1104.2	1255.5	1293.3	1404.2	1552.0	1626.0	1344.4	781.2	358.7
100°	1590.9	1410.6	1590.9	1771.1	1816.3	1808.1	1797.3	1791.9	1479.4	854.4	385.6
102.5°	2069.7	1915.3	2069.7	2224.1	2262.7	2121.4	1933.0	1838.9	1521.9	888.0	412.5
105°	2680.1	2597.1	2680.1	2763.1	2783.9	2467.2	2044.8	1833.6	1526.7	912.9	452.5
107.5°	3080.0	3100.0	3080.0	3059.9	3054.8	2613.1	2024.0	1729.4	1458.8	917.6	511.6
110°	3232.4	3318.9	3232.4	3145.9	3124.3	2630.4	1971.9	1642.5	1398.6	910.6	544.6



TEST NUMBER: P934981

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3246.0	3378.8	3246.0	3113.2	3080.1	2574.6	1900.5	1563.5	1346.0	910.9	584.6
115°	3159.9	3344.1	3159.9	2975.8	2929.8	2442.8	1793.5	1468.8	1285.7	919.2	644.5
117.5°	2977.4	3181.7	2977.4	2773.2	2722.1	2282.6	1696.6	1403.6	1247.8	936.3	702.6
120°	2830.4	3028.8	2830.4	2631.9	2582.3	2180.7	1645.2	1377.6	1235.1	950.3	736.6
122.5°	2687.1	2882.9	2687.1	2491.4	2442.5	2080.9	1598.6	1357.6	1228.5	970.2	776.5
125°	2482.9	2663.1	2482.9	2302.6	2257.5	1950.3	1540.7	1335.9	1223.0	997.1	827.8
127.5°	2299.1	2451.2	2299.1	2147.0	2109.0	1845.2	1493.6	1317.7	1219.8	1024.1	877.3
130°	2190.8	2331.4	2190.8	2050.2	2015.1	1780.3	1467.2	1310.7	1221.7	1043.7	910.3
132.5°	2092.5	2218.4	2092.5	1966.7	1935.2	1725.0	1444.7	1304.6	1223.0	1059.6	937.2
135°	1957.9	2066.4	1957.9	1849.4	1822.3	1646.3	1411.6	1294.2	1221.9	1077.1	968.5
137.5°	1849.9	1938.7	1849.9	1761.2	1738.9	1590.1	1391.7	1292.5	1229.3	1103.1	1008.4
140°	1775.8	1858.8	1775.8	1692.8	1672.0	1543.5	1372.1	1286.4	1230.6	1119.0	1035.3
142.5°	1714.5	1785.8	1714.5	1643.0	1625.2	1512.2	1361.7	1286.4	1235.0	1132.4	1055.3
145°	1622.4	1676.3	1622.4	1568.4	1554.8	1462.5	1339.3	1277.7	1235.0	1149.8	1085.8
147.5°	1551.7	1596.5	1551.7	1506.9	1495.7	1423.0	1326.2	1277.7	1243.5	1175.3	1124.0
150°	1507.2	1543.5	1507.2	1470.9	1461.8	1400.4	1318.6	1277.7	1248.0	1188.5	1144.0
152.5°	1469.2	1496.5	1469.2	1441.7	1434.9	1382.5	1312.6	1277.7	1250.9	1197.2	1156.9
155°	1425.5	1443.6	1425.5	1407.4	1402.8	1361.1	1305.5	1277.7	1257.3	1216.3	1185.6
157.5°	1390.9	1403.6	1390.9	1378.1	1374.9	1342.5	1299.3	1277.7	1263.6	1235.4	1214.3
160°	1370.3	1377.6	1370.3	1363.0	1361.1	1333.3	1296.2	1277.7	1266.5	1244.2	1227.4
162.5°	1356.7	1363.7	1356.7	1349.8	1348.0	1324.6	1293.3	1277.7	1269.6	1253.3	1241.2
165°	1337.2	1344.6	1337.2	1329.9	1328.1	1311.2	1288.9	1277.7	1274.1	1266.7	1261.2
167.5°	1323.3	1326.4	1323.3	1320.1	1319.4	1308.3	1293.7	1286.4	1283.3	1277.2	1272.5
170°	1319.4	1319.4	1319.4	1319.4	1319.4	1308.3	1293.7	1286.4	1286.2	1285.8	1285.6
172.5°	1309.1	1306.4	1309.1	1311.8	1312.5	1303.8	1292.2	1286.4	1286.4	1286.4	1286.4
175°	1302.9	1302.9	1302.9	1302.9	1302.9	1297.4	1290.0	1286.4	1288.2	1291.6	1294.2
177.5°	1297.3	1294.2	1297.3	1300.4	1301.2	1296.9	1291.1	1288.2	1289.5	1292.2	1294.2
180°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2



TEST NUMBER: P934981

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	5082.9	5054.5	5054.5	5007.1	4988.1	4973.9	4950.2	4879.0	4860.1	4841.1	4869.6
5°	5125.6	5073.5	5035.5	4950.2	4879.0	4850.6	4760.5	4589.8	4476.0	4390.6	4343.3
7.5°	5135.1	5068.7	4997.6	4864.8	4694.1	4618.3	4343.3	4030.3	3944.9	3869.1	3821.6
10°	5125.6	5049.8	4950.2	4751.1	4348.0	4215.2	3940.3	3736.4	3684.2	3670.0	3684.2
12.5°	5092.4	5021.3	4883.8	4551.8	3987.6	3897.6	3736.4	3617.8	3608.3	3632.0	3760.0
15°	5035.5	4969.2	4808.0	4286.3	3788.5	3722.1	3608.3	3565.6	3617.8	3783.7	4167.8
17.5°	4978.6	4902.8	4703.6	4025.5	3636.8	3589.4	3508.8	3594.1	3888.1	4110.9	4239.0
20°	4902.8	4812.6	4585.1	3835.9	3527.7	3485.0	3447.1	3831.2	4054.0	4134.6	4205.7
22.5°	4812.6	4717.8	4423.9	3703.1	3414.0	3380.7	3404.4	3963.9	4054.0	4110.9	4172.6
25°	4694.1	4613.5	4234.2	3598.8	3323.8	3285.9	3375.9	3949.7	4001.8	4016.1	4139.4
27.5°	4585.1	4480.8	4035.1	3504.0	3214.7	3200.5	3399.7	3888.1	3926.0	3940.3	4073.0
30°	4452.3	4295.8	3812.2	3404.4	3101.0	3096.2	3404.4	3812.2	3802.7	3840.6	3973.4
32.5°	4314.8	4020.9	3560.9	3281.1	2991.9	2987.2	3371.3	3698.4	3688.9	3741.0	3840.6
35°	4186.7	3807.5	3219.5	3138.9	2854.4	2859.2	3290.7	3565.6	3570.4	3617.8	3679.4
37.5°	4054.0	3622.5	2845.0	2982.4	2721.7	2721.7	3181.6	3442.4	3432.9	3447.1	3532.5
40°	3897.6	3333.3	2513.0	2778.6	2598.4	2584.1	3048.9	3309.6	3276.4	3271.7	3390.2
42.5°	3731.6	3015.6	2266.4	2508.3	2456.1	2437.2	2887.6	3148.4	3086.8	3101.0	3252.7
45°	3551.4	2930.2	2076.7	2119.4	2309.1	2294.9	2712.1	2963.5	2920.8	2958.7	3115.2
47.5°	3371.3	2759.6	2015.2	1759.1	2152.7	2147.9	2517.8	2783.3	2759.6	2797.5	2963.5
50°	3124.7	2569.9	2010.4	1507.8	1977.2	1996.1	2285.4	2607.8	2607.8	2641.1	2816.5
52.5°	2807.0	2337.6	1825.5	1365.6	1773.3	1830.3	2081.5	2456.1	2465.6	2498.8	2655.3
55°	2517.8	2095.8	1692.7	1256.5	1531.5	1654.8	1882.4	2299.6	2318.7	2351.8	2494.1
57.5°	2252.2	1744.9	1664.3	1128.5	1308.6	1427.2	1707.0	2147.9	2157.4	2185.8	2323.3
60°	1967.8	1261.3	1526.8	991.0	1114.3	1204.4	1545.8	1967.8	2000.9	2019.9	2138.4
62.5°	1645.3	915.1	1384.6	896.2	1019.5	1038.4	1413.0	1797.0	1839.7	1853.9	1925.1
65°	1171.1	768.1	1175.9	815.6	919.9	924.6	1270.7	1621.6	1659.5	1683.3	1735.4
67.5°	791.8	625.9	896.2	739.6	844.0	848.7	1133.2	1417.7	1469.8	1488.9	1522.0
70°	550.0	417.2	663.8	659.0	758.7	768.1	986.2	1232.8	1280.2	1294.4	1313.4
72.5°	403.0	336.6	550.0	592.7	668.6	678.1	834.5	1024.1	1071.6	1085.8	1095.3
75°	308.2	355.6	445.7	516.8	569.0	573.8	682.8	834.5	867.7	877.2	881.9
77.5°	246.6	331.9	327.2	417.2	464.7	455.2	535.8	644.8	673.3	673.3	673.3
80°	184.9	260.8	246.6	298.7	341.4	331.9	384.1	459.9	469.4	478.9	474.2
82.5°	137.5	166.0	166.0	189.7	227.6	218.1	256.0	298.7	298.7	298.7	308.2
85°	85.4	94.8	75.8	99.6	128.1	123.3	142.2	161.2	166.0	166.0	156.4
87.5°	52.1	42.7	23.7	37.9	56.9	56.9	66.4	71.1	66.4	66.4	66.4
90°	22.5	15.6	8.7	15.6	22.5	24.3	38.2	56.8	66.0	58.7	44.0
92.5°	152.9	93.8	34.7	93.8	152.9	167.7	235.6	326.3	371.7	325.8	234.0
95°	299.6	191.5	83.4	191.5	299.6	326.6	579.9	917.7	1086.6	969.7	735.7
97.5°	334.9	239.6	144.2	239.6	334.9	358.7	781.2	1344.4	1626.0	1552.0	1404.2
100°	364.1	277.6	191.1	277.6	364.1	385.6	854.4	1479.4	1791.9	1797.3	1808.1
102.5°	392.4	311.8	231.1	311.8	392.4	412.5	888.0	1521.9	1838.9	1933.0	2121.4
105°	435.4	367.2	298.8	367.2	435.4	452.5	912.9	1526.7	1833.6	2044.8	2467.2
107.5°	495.7	432.0	368.3	432.0	495.7	511.6	917.6	1458.8	1729.4	2024.0	2613.1
110°	530.2	472.7	415.2	472.7	530.2	544.6	910.6	1398.6	1642.5	1971.9	2630.4



TEST NUMBER: P934981

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	570.9	516.0	461.2	516.0	570.9	584.6	910.9	1346.0	1563.5	1900.5	2574.6
115°	631.9	581.2	530.7	581.2	631.9	644.5	919.2	1285.7	1468.8	1793.5	2442.8
117.5°	691.2	645.3	599.3	645.3	691.2	702.6	936.3	1247.8	1403.6	1696.6	2282.6
120°	725.7	682.6	639.3	682.6	725.7	736.6	950.3	1235.1	1377.6	1645.2	2180.7
122.5°	765.6	722.0	678.4	722.0	765.6	776.5	970.2	1228.5	1357.6	1598.6	2080.9
125°	817.9	778.1	738.3	778.1	817.9	827.8	997.1	1223.0	1335.9	1540.7	1950.3
127.5°	867.3	827.2	787.0	827.2	867.3	877.3	1024.1	1219.8	1317.7	1493.6	1845.2
130°	899.4	856.3	813.0	856.3	899.4	910.3	1043.7	1221.7	1310.7	1467.2	1780.3
132.5°	926.3	883.2	839.9	883.2	926.3	937.2	1059.6	1223.0	1304.6	1444.7	1725.0
135°	958.7	919.2	879.9	919.2	958.7	968.5	1077.1	1221.9	1294.2	1411.6	1646.3
137.5°	998.7	959.7	920.7	959.7	998.7	1008.4	1103.1	1229.3	1292.5	1391.7	1590.1
140°	1026.4	990.4	954.5	990.4	1026.4	1035.3	1119.0	1230.6	1286.4	1372.1	1543.5
142.5°	1047.0	1013.9	980.6	1013.9	1047.0	1055.3	1132.4	1235.0	1286.4	1361.7	1512.2
145°	1078.5	1049.5	1020.6	1049.5	1078.5	1085.8	1149.8	1235.0	1277.7	1339.3	1462.5
147.5°	1117.0	1088.8	1060.6	1088.8	1117.0	1124.0	1175.3	1243.5	1277.7	1326.2	1423.0
150°	1137.6	1112.1	1086.6	1112.1	1137.6	1144.0	1188.5	1248.0	1277.7	1318.6	1400.4
152.5°	1152.1	1132.8	1113.5	1132.8	1152.1	1156.9	1197.2	1250.9	1277.7	1312.6	1382.5
155°	1182.1	1167.8	1153.5	1167.8	1182.1	1185.6	1216.3	1257.3	1277.7	1305.5	1361.1
157.5°	1210.8	1196.9	1183.0	1196.9	1210.8	1214.3	1235.4	1263.6	1277.7	1299.3	1342.5
160°	1224.7	1213.8	1203.0	1213.8	1224.7	1227.4	1244.2	1266.5	1277.7	1296.2	1333.3
162.5°	1239.1	1231.1	1223.0	1231.1	1239.1	1241.2	1253.3	1269.6	1277.7	1293.3	1324.6
165°	1259.3	1252.0	1244.7	1252.0	1259.3	1261.2	1266.7	1274.1	1277.7	1288.9	1311.2
167.5°	1271.6	1268.1	1264.6	1268.1	1271.6	1272.5	1277.2	1283.3	1286.4	1293.7	1308.3
170°	1284.7	1281.2	1277.7	1281.2	1284.7	1285.6	1285.8	1286.2	1286.4	1293.7	1308.3
172.5°	1286.2	1285.4	1284.6	1285.4	1286.2	1286.4	1286.4	1286.4	1286.4	1292.2	1303.8
175°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1291.6	1288.2	1286.4	1290.0	1297.4
177.5°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1292.2	1289.5	1288.2	1291.1	1296.9
180°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2



TEST NUMBER: P934981

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	4836.3	4822.1	4841.1	4789.0	4841.1	4822.1	4836.3	4869.6	4841.1	4860.1	4879.0
5°	4243.7	4220.0	4144.1	4082.5	4144.1	4220.0	4243.7	4343.3	4390.6	4476.0	4589.8
7.5°	3793.3	3774.3	3755.3	3717.4	3755.3	3774.3	3793.3	3821.6	3869.1	3944.9	4030.3
10°	3693.7	3698.4	3726.8	3722.1	3726.8	3698.4	3693.7	3684.2	3670.0	3684.2	3736.4
12.5°	3949.7	3992.4	4148.8	4139.4	4148.8	3992.4	3949.7	3760.0	3632.0	3608.3	3617.8
15°	4243.7	4257.9	4291.1	4295.8	4291.1	4257.9	4243.7	4167.8	3783.7	3617.8	3565.6
17.5°	4272.1	4276.9	4300.6	4300.6	4300.6	4276.9	4272.1	4239.0	4110.9	3888.1	3594.1
20°	4248.4	4257.9	4305.4	4314.8	4305.4	4257.9	4248.4	4205.7	4134.6	4054.0	3831.2
22.5°	4239.0	4257.9	4295.8	4291.1	4295.8	4257.9	4239.0	4172.6	4110.9	4054.0	3963.9
25°	4191.5	4191.5	4196.3	4201.0	4196.3	4191.5	4191.5	4139.4	4016.1	4001.8	3949.7
27.5°	4091.9	4101.5	4129.9	4125.1	4129.9	4101.5	4091.9	4073.0	3940.3	3926.0	3888.1
30°	4001.8	3992.4	3968.7	3949.7	3968.7	3992.4	4001.8	3973.4	3840.6	3802.7	3812.2
32.5°	3850.1	3826.4	3802.7	3788.5	3802.7	3826.4	3850.1	3840.6	3741.0	3688.9	3698.4
35°	3670.0	3674.7	3670.0	3655.8	3670.0	3674.7	3670.0	3679.4	3617.8	3570.4	3565.6
37.5°	3541.9	3551.4	3546.7	3527.7	3546.7	3551.4	3541.9	3532.5	3447.1	3432.9	3442.4
40°	3409.2	3414.0	3409.2	3394.9	3409.2	3414.0	3409.2	3390.2	3271.7	3276.4	3309.6
42.5°	3281.1	3276.4	3262.2	3252.7	3262.2	3276.4	3281.1	3252.7	3101.0	3086.8	3148.4
45°	3134.1	3138.9	3110.4	3096.2	3110.4	3138.9	3134.1	3115.2	2958.7	2920.8	2963.5
47.5°	2987.2	2987.2	2963.5	2949.2	2963.5	2987.2	2987.2	2963.5	2797.5	2759.6	2783.3
50°	2830.7	2826.0	2792.8	2788.0	2792.8	2826.0	2830.7	2816.5	2641.1	2607.8	2607.8
52.5°	2650.5	2650.5	2655.3	2664.7	2655.3	2650.5	2650.5	2655.3	2498.8	2465.6	2456.1
55°	2494.1	2498.8	2532.0	2541.5	2532.0	2498.8	2494.1	2494.1	2351.8	2318.7	2299.6
57.5°	2332.9	2332.9	2356.6	2356.6	2356.6	2332.9	2332.9	2323.3	2185.8	2157.4	2147.9
60°	2147.9	2157.4	2176.4	2171.6	2176.4	2157.4	2147.9	2138.4	2019.9	2000.9	1967.8
62.5°	1953.6	1963.0	1967.8	1958.2	1967.8	1963.0	1953.6	1925.1	1853.9	1839.7	1797.0
65°	1749.7	1759.1	1763.9	1754.3	1763.9	1759.1	1749.7	1735.4	1683.3	1659.5	1621.6
67.5°	1541.0	1536.2	1531.5	1550.4	1531.5	1536.2	1541.0	1522.0	1488.9	1469.8	1417.7
70°	1327.6	1327.6	1322.9	1332.4	1322.9	1327.6	1327.6	1313.4	1294.4	1280.2	1232.8
72.5°	1100.1	1095.3	1114.3	1100.1	1114.3	1095.3	1100.1	1095.3	1085.8	1071.6	1024.1
75°	877.2	886.6	877.2	891.4	877.2	886.6	877.2	881.9	877.2	867.7	834.5
77.5°	668.6	678.1	668.6	668.6	668.6	678.1	668.6	673.3	673.3	673.3	644.8
80°	474.2	469.4	469.4	464.7	469.4	469.4	474.2	474.2	478.9	469.4	459.9
82.5°	303.5	298.7	298.7	308.2	298.7	298.7	303.5	308.2	298.7	298.7	298.7
85°	166.0	170.7	161.2	161.2	161.2	170.7	166.0	156.4	166.0	166.0	161.2
87.5°	61.6	56.9	56.9	56.9	56.9	56.9	61.6	66.4	66.4	66.4	71.1
90°	33.0	33.0	33.0	33.0	33.0	33.0	33.0	44.0	58.7	66.0	56.8
92.5°	165.0	158.5	132.3	106.0	132.3	158.5	165.0	234.0	325.8	371.7	326.3
95°	560.2	540.3	460.8	381.4	460.8	540.3	560.2	735.7	969.7	1086.6	917.7
97.5°	1293.3	1255.5	1104.2	952.9	1104.2	1255.5	1293.3	1404.2	1552.0	1626.0	1344.4
100°	1816.3	1771.1	1590.9	1410.6	1590.9	1771.1	1816.3	1808.1	1797.3	1791.9	1479.4
102.5°	2262.7	2224.1	2069.7	1915.3	2069.7	2224.1	2262.7	2121.4	1933.0	1838.9	1521.9
105°	2783.9	2763.1	2680.1	2597.1	2680.1	2763.1	2783.9	2467.2	2044.8	1833.6	1526.7
107.5°	3054.8	3059.9	3080.0	3100.0	3080.0	3059.9	3054.8	2613.1	2024.0	1729.4	1458.8
110°	3124.3	3145.9	3232.4	3318.9	3232.4	3145.9	3124.3	2630.4	1971.9	1642.5	1398.6



TEST NUMBER: P934981

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3080.1	3113.2	3246.0	3378.8	3246.0	3113.2	3080.1	2574.6	1900.5	1563.5	1346.0
115°	2929.8	2975.8	3159.9	3344.1	3159.9	2975.8	2929.8	2442.8	1793.5	1468.8	1285.7
117.5°	2722.1	2773.2	2977.4	3181.7	2977.4	2773.2	2722.1	2282.6	1696.6	1403.6	1247.8
120°	2582.3	2631.9	2830.4	3028.8	2830.4	2631.9	2582.3	2180.7	1645.2	1377.6	1235.1
122.5°	2442.5	2491.4	2687.1	2882.9	2687.1	2491.4	2442.5	2080.9	1598.6	1357.6	1228.5
125°	2257.5	2302.6	2482.9	2663.1	2482.9	2302.6	2257.5	1950.3	1540.7	1335.9	1223.0
127.5°	2109.0	2147.0	2299.1	2451.2	2299.1	2147.0	2109.0	1845.2	1493.6	1317.7	1219.8
130°	2015.1	2050.2	2190.8	2331.4	2190.8	2050.2	2015.1	1780.3	1467.2	1310.7	1221.7
132.5°	1935.2	1966.7	2092.5	2218.4	2092.5	1966.7	1935.2	1725.0	1444.7	1304.6	1223.0
135°	1822.3	1849.4	1957.9	2066.4	1957.9	1849.4	1822.3	1646.3	1411.6	1294.2	1221.9
137.5°	1738.9	1761.2	1849.9	1938.7	1849.9	1761.2	1738.9	1590.1	1391.7	1292.5	1229.3
140°	1672.0	1692.8	1775.8	1858.8	1775.8	1692.8	1672.0	1543.5	1372.1	1286.4	1230.6
142.5°	1625.2	1643.0	1714.5	1785.8	1714.5	1643.0	1625.2	1512.2	1361.7	1286.4	1235.0
145°	1554.8	1568.4	1622.4	1676.3	1622.4	1568.4	1554.8	1462.5	1339.3	1277.7	1235.0
147.5°	1495.7	1506.9	1551.7	1596.5	1551.7	1506.9	1495.7	1423.0	1326.2	1277.7	1243.5
150°	1461.8	1470.9	1507.2	1543.5	1507.2	1470.9	1461.8	1400.4	1318.6	1277.7	1248.0
152.5°	1434.9	1441.7	1469.2	1496.5	1469.2	1441.7	1434.9	1382.5	1312.6	1277.7	1250.9
155°	1402.8	1407.4	1425.5	1443.6	1425.5	1407.4	1402.8	1361.1	1305.5	1277.7	1257.3
157.5°	1374.9	1378.1	1390.9	1403.6	1390.9	1378.1	1374.9	1342.5	1299.3	1277.7	1263.6
160°	1361.1	1363.0	1370.3	1377.6	1370.3	1363.0	1361.1	1333.3	1296.2	1277.7	1266.5
162.5°	1348.0	1349.8	1356.7	1363.7	1356.7	1349.8	1348.0	1324.6	1293.3	1277.7	1269.6
165°	1328.1	1329.9	1337.2	1344.6	1337.2	1329.9	1328.1	1311.2	1288.9	1277.7	1274.1
167.5°	1319.4	1320.1	1323.3	1326.4	1323.3	1320.1	1319.4	1308.3	1293.7	1286.4	1283.3
170°	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1308.3	1293.7	1286.4	1286.2
172.5°	1312.5	1311.8	1309.1	1306.4	1309.1	1311.8	1312.5	1303.8	1292.2	1286.4	1286.4
175°	1302.9	1302.9	1302.9	1302.9	1302.9	1302.9	1302.9	1297.4	1290.0	1286.4	1288.2
177.5°	1301.2	1300.4	1297.3	1294.2	1297.3	1300.4	1301.2	1296.9	1291.1	1288.2	1289.5
180°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2



TEST NUMBER: P934981

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	4950.2	4973.9	4988.1	5007.1	5054.5
5°	4760.5	4850.6	4879.0	4950.2	5035.5
7.5°	4343.3	4618.3	4694.1	4864.8	4997.6
10°	3940.3	4215.2	4348.0	4751.1	4950.2
12.5°	3736.4	3897.6	3987.6	4551.8	4883.8
15°	3608.3	3722.1	3788.5	4286.3	4808.0
17.5°	3508.8	3589.4	3636.8	4025.5	4703.6
20°	3447.1	3485.0	3527.7	3835.9	4585.1
22.5°	3404.4	3380.7	3414.0	3703.1	4423.9
25°	3375.9	3285.9	3323.8	3598.8	4234.2
27.5°	3399.7	3200.5	3214.7	3504.0	4035.1
30°	3404.4	3096.2	3101.0	3404.4	3812.2
32.5°	3371.3	2987.2	2991.9	3281.1	3560.9
35°	3290.7	2859.2	2854.4	3138.9	3219.5
37.5°	3181.6	2721.7	2721.7	2982.4	2845.0
40°	3048.9	2584.1	2598.4	2778.6	2513.0
42.5°	2887.6	2437.2	2456.1	2508.3	2266.4
45°	2712.1	2294.9	2309.1	2119.4	2076.7
47.5°	2517.8	2147.9	2152.7	1759.1	2015.2
50°	2285.4	1996.1	1977.2	1507.8	2010.4
52.5°	2081.5	1830.3	1773.3	1365.6	1825.5
55°	1882.4	1654.8	1531.5	1256.5	1692.7
57.5°	1707.0	1427.2	1308.6	1128.5	1664.3
60°	1545.8	1204.4	1114.3	991.0	1526.8
62.5°	1413.0	1038.4	1019.5	896.2	1384.6
65°	1270.7	924.6	919.9	815.6	1175.9
67.5°	1133.2	848.7	844.0	739.6	896.2
70°	986.2	768.1	758.7	659.0	663.8
72.5°	834.5	678.1	668.6	592.7	550.0
75°	682.8	573.8	569.0	516.8	445.7
77.5°	535.8	455.2	464.7	417.2	327.2
80°	384.1	331.9	341.4	298.7	246.6
82.5°	256.0	218.1	227.6	189.7	166.0
85°	142.2	123.3	128.1	99.6	75.8
87.5°	66.4	56.9	56.9	37.9	23.7
90°	38.2	24.3	22.5	15.6	8.7
92.5°	235.6	167.7	152.9	93.8	34.7
95°	579.9	326.6	299.6	191.5	83.4
97.5°	781.2	358.7	334.9	239.6	144.2
100°	854.4	385.6	364.1	277.6	191.1
102.5°	888.0	412.5	392.4	311.8	231.1
105°	912.9	452.5	435.4	367.2	298.8
107.5°	917.6	511.6	495.7	432.0	368.3
110°	910.6	544.6	530.2	472.7	415.2



TEST NUMBER: P934981

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	910.9	584.6	570.9	516.0	461.2
115°	919.2	644.5	631.9	581.2	530.7
117.5°	936.3	702.6	691.2	645.3	599.3
120°	950.3	736.6	725.7	682.6	639.3
122.5°	970.2	776.5	765.6	722.0	678.4
125°	997.1	827.8	817.9	778.1	738.3
127.5°	1024.1	877.3	867.3	827.2	787.0
130°	1043.7	910.3	899.4	856.3	813.0
132.5°	1059.6	937.2	926.3	883.2	839.9
135°	1077.1	968.5	958.7	919.2	879.9
137.5°	1103.1	1008.4	998.7	959.7	920.7
140°	1119.0	1035.3	1026.4	990.4	954.5
142.5°	1132.4	1055.3	1047.0	1013.9	980.6
145°	1149.8	1085.8	1078.5	1049.5	1020.6
147.5°	1175.3	1124.0	1117.0	1088.8	1060.6
150°	1188.5	1144.0	1137.6	1112.1	1086.6
152.5°	1197.2	1156.9	1152.1	1132.8	1113.5
155°	1216.3	1185.6	1182.1	1167.8	1153.5
157.5°	1235.4	1214.3	1210.8	1196.9	1183.0
160°	1244.2	1227.4	1224.7	1213.8	1203.0
162.5°	1253.3	1241.2	1239.1	1231.1	1223.0
165°	1266.7	1261.2	1259.3	1252.0	1244.7
167.5°	1277.2	1272.5	1271.6	1268.1	1264.6
170°	1285.8	1285.6	1284.7	1281.2	1277.7
172.5°	1286.4	1286.4	1286.2	1285.4	1284.6
175°	1291.6	1294.2	1294.2	1294.2	1294.2
177.5°	1292.2	1294.2	1294.2	1294.2	1294.2
180°	1294.2	1294.2	1294.2	1294.2	1294.2



TEST NUMBER: P934981
 CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-5000K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.27	16.24	16.13	17.12	18.23	18.13	19.09	18.98	19.97	21.08
	3H	15.76	16.63	16.63	17.52	18.65	19.49	20.35	20.36	21.24	22.38
	4H	15.95	16.77	16.84	17.67	18.82	19.94	20.76	20.83	21.65	22.80
	6H	16.08	16.83	16.98	17.74	18.90	20.23	20.99	21.13	21.89	23.05
	8H	16.08	16.80	16.99	17.72	18.88	20.32	21.03	21.22	21.96	23.11
	12H	16.06	16.74	16.97	17.66	18.84	20.36	21.05	21.27	21.96	23.14
4H	2H	16.32	17.14	17.22	18.04	19.18	18.55	19.37	19.44	20.26	21.41
	3H	17.36	18.04	18.27	18.97	20.13	20.07	20.75	20.97	21.68	22.84
	4H	17.64	18.26	18.56	19.19	20.37	20.61	21.23	21.52	22.15	23.34
	6H	17.77	18.31	18.70	19.26	20.44	20.98	21.52	21.91	22.47	23.65
	8H	17.78	18.28	18.71	19.22	20.42	21.09	21.60	22.03	22.54	23.74
	12H	17.75	18.21	18.70	19.16	20.37	21.16	21.61	22.11	22.57	23.78
8H	4H	18.11	18.61	19.04	19.55	20.75	20.74	21.24	21.67	22.18	23.38
	6H	18.37	18.79	19.33	19.77	20.97	21.18	21.60	22.14	22.58	23.78
	8H	18.42	18.78	19.38	19.76	20.97	21.34	21.71	22.31	22.68	23.90
	12H	18.41	18.73	19.38	19.70	20.96	21.45	21.77	22.42	22.74	24.00
12H	4H	18.12	18.57	19.07	19.53	20.74	20.71	21.16	21.66	22.12	23.33
	6H	18.44	18.80	19.40	19.78	20.99	21.18	21.55	22.15	22.52	23.74
	8H	18.51	18.83	19.48	19.80	21.06	21.35	21.68	22.32	22.64	23.91