

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: P934955

Luminaire Tested: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

**Test Information**

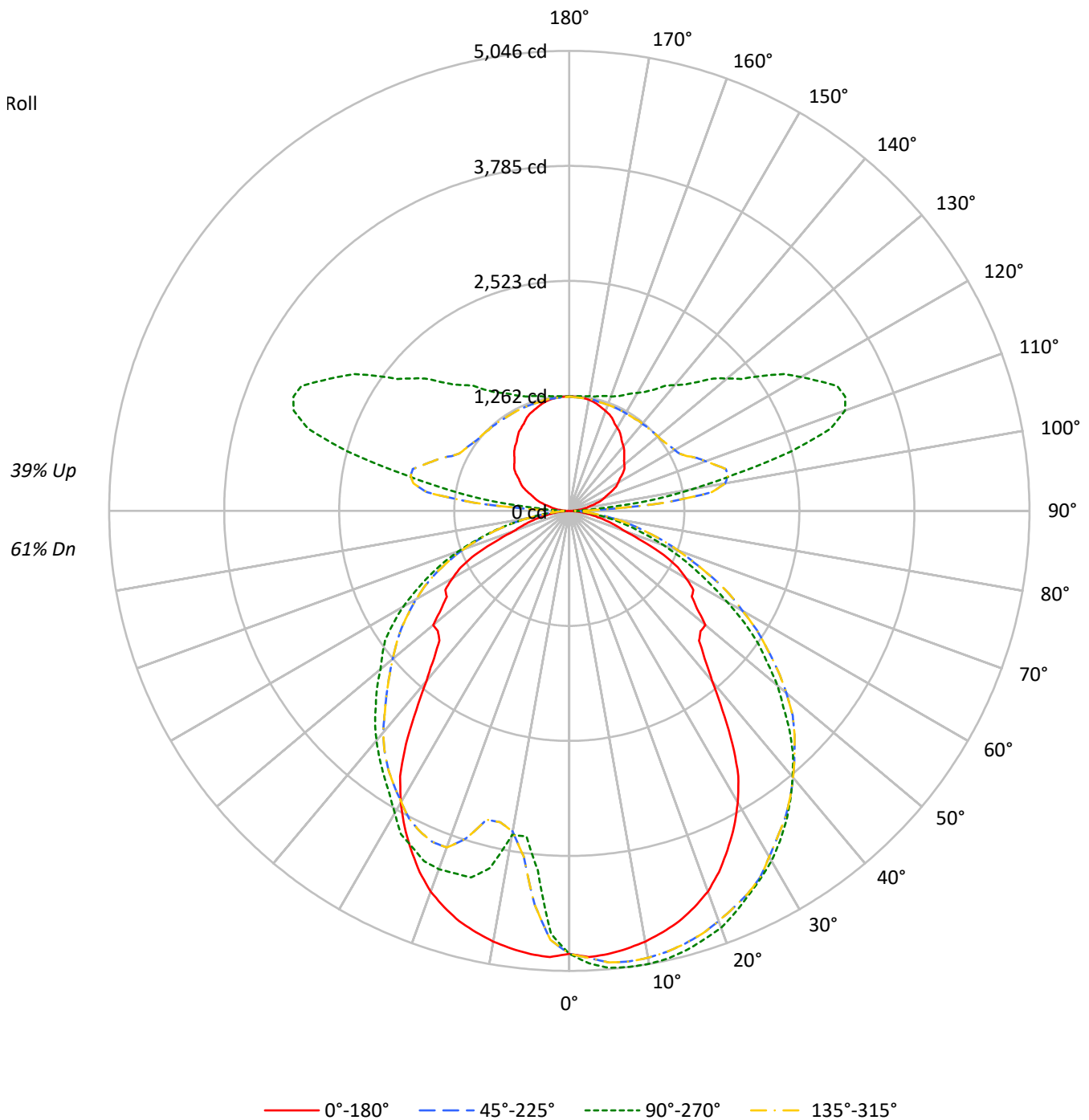
Test Method: LM-79-2019  
Report Number: P934955  
REPORT IS A COMBINATION OF REPORTS P933717 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-12-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20729.1 lumens  
Efficiency: N/A  
Efficacy: 111.4 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: 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°	15023	15023	15023	15023
5°	15141	15165	15141	11925
10°	15046	14939	15046	10680
15°	14887	14615	14887	12204
20°	14582	14231	14582	12229
25°	13950	13672	13950	11970
30°	13132	13208	13132	11401
35°	11713	12621	11713	10776
40°	9765	11930	9765	10303
45°	8731	11120	8731	9760
50°	9283	10155	9283	9215
55°	8742	9115	8742	8899
60°	9023	7742	9023	8151
65°	8194	6400	8194	7154
70°	5688	5100	5688	5996
75°	5006	3770	5006	4514
80°	4065	2493	4065	2714
85°	2382	1320	2382	1122

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13373 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	438.4	2.1
10°-20°	1244.8	6.0
20°-30°	1924.3	9.3
30°-40°	2297.2	11.1
40°-50°	2310.7	11.1
50°-60°	2010.6	9.7
60°-70°	1425.5	6.9
70°-80°	754.2	3.6
80°-90°	192.6	0.9
90°-100°	611.4	2.9
100°-110°	1607.4	7.8
110°-120°	1666.7	8.0
120°-130°	1336.9	6.4
130°-140°	1049.0	5.1
140°-150°	805.1	3.9
150°-160°	579.8	2.8
160°-170°	354.8	1.7
170°-180°	119.9	0.6
0°-30°	3607.6	17.4
0°-40°	5904.8	28.5
0°-60°	10226.0	49.3
0°-90°	12598.3	60.8
90°-120°	3885.4	18.7
90°-150°	7076.4	34.1
90°-180°	8131.0	39.2
0°-180°	20729.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4857	4857	4857	4857	4857	
5°	4880	5032	4880	3956	4880	463
15°	4660	4986	4660	4163	4660	1311
25°	4104	4650	4104	4071	4104	1884
35°	3120	4149	3120	3543	3120	1930
45°	2013	3419	2013	3001	2013	1612
55°	1640	2523	1640	2463	1640	1507
65°	1140	1521	1140	1700	1140	1089
75°	432	721	432	864	432	454
85°	74	184	74	156	74	99
90°	8	32	8	32	8	10
95°	81	370	81	370	81	90
105°	290	2517	290	2517	290	307
115°	514	3241	514	3241	514	508
125°	716	2581	716	2581	716	635
135°	853	2003	853	2003	853	660
145°	989	1625	989	1625	989	620
155°	1118	1399	1118	1399	1118	514
165°	1206	1303	1206	1303	1206	340
175°	1254	1263	1254	1263	1254	119
180°	1254	1254	1254	1254	1254	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1
2.5°	4898.5	4898.5	4926.0	4935.2	4935.2	4921.4	4907.6	4921.4	4962.7	4976.6	4972.0
5°	4880.0	4916.8	4967.3	4976.6	4985.7	4981.1	4972.0	4981.1	5027.1	5036.3	5040.8
7.5°	4843.2	4912.2	4976.6	4990.3	5004.1	4990.3	4985.7	4994.9	5040.8	5050.1	5050.1
10°	4797.4	4893.8	4967.3	4976.6	4990.3	4976.6	4976.6	4994.9	5040.8	5050.1	5054.7
12.5°	4733.0	4866.2	4935.2	4944.4	4962.7	4958.1	4953.6	4972.0	5017.9	5027.1	5027.1
15°	4659.5	4815.7	4880.0	4889.2	4921.4	4912.2	4912.2	4930.6	4981.1	4994.9	4990.3
17.5°	4558.4	4751.4	4824.9	4838.7	4861.6	4857.1	4861.6	4880.0	4926.0	4935.2	4939.7
20°	4443.5	4664.0	4751.4	4765.1	4788.1	4788.1	4788.1	4811.1	4857.1	4875.5	4875.5
22.5°	4287.3	4572.1	4664.0	4673.3	4700.9	4700.9	4710.0	4742.1	4783.5	4788.1	4788.1
25°	4103.5	4471.0	4549.2	4576.8	4604.4	4618.1	4631.9	4650.3	4664.0	4659.5	4664.0
27.5°	3910.5	4342.4	4443.5	4461.9	4498.7	4512.4	4530.8	4535.4	4540.0	4553.8	4544.6
30°	3694.5	4163.2	4314.8	4333.2	4392.9	4402.2	4383.8	4392.9	4415.9	4425.2	4434.3
32.5°	3450.9	3896.7	4181.6	4222.9	4278.1	4250.5	4245.9	4259.7	4296.4	4296.4	4305.7
35°	3120.1	3689.9	4057.5	4094.2	4135.6	4103.5	4121.8	4126.4	4149.4	4163.2	4158.6
37.5°	2757.1	3510.7	3928.9	3956.5	3988.6	3947.2	3974.8	3988.6	4007.0	3997.7	3997.7
40°	2435.4	3230.3	3777.2	3795.6	3823.1	3791.0	3818.6	3827.7	3837.0	3827.7	3823.1
42.5°	2196.5	2922.5	3616.4	3639.4	3621.0	3643.9	3653.1	3671.5	3657.8	3639.4	3639.4
45°	2012.6	2839.8	3441.8	3469.3	3441.8	3478.5	3492.3	3492.3	3450.9	3441.8	3437.2
47.5°	1953.0	2674.4	3267.2	3267.2	3253.3	3299.3	3322.3	3290.1	3248.8	3235.0	3235.0
50°	1948.4	2490.6	3028.2	3009.8	3074.1	3129.3	3106.3	3074.1	3042.0	2991.5	2991.5
52.5°	1769.1	2265.4	2720.3	2789.3	2890.4	2922.5	2885.7	2853.6	2798.4	2775.5	2757.1
55°	1640.4	2031.1	2440.0	2577.9	2683.5	2724.9	2656.0	2623.8	2541.1	2527.3	2518.2
57.5°	1612.9	1691.0	2182.7	2357.3	2485.9	2481.4	2440.0	2380.3	2311.3	2297.6	2293.0
60°	1479.7	1222.3	1907.0	2113.7	2247.1	2233.2	2196.5	2141.3	2077.0	2067.8	2058.6
62.5°	1341.8	886.9	1594.5	1828.9	2017.2	2012.6	1980.5	1897.8	1851.9	1828.9	1810.5
65°	1139.6	744.4	1135.0	1521.0	1792.1	1801.3	1732.4	1672.6	1622.0	1594.5	1589.9
67.5°	868.5	606.5	767.4	1268.2	1576.2	1566.9	1479.7	1452.1	1387.7	1373.9	1346.3
70°	643.3	404.3	533.0	1029.3	1364.7	1341.8	1272.8	1240.7	1181.0	1148.7	1130.4
72.5°	533.0	326.2	390.6	799.5	1148.7	1121.2	1061.5	1024.7	974.1	946.6	928.2
75°	431.9	344.6	298.7	592.8	932.8	914.4	859.3	822.5	781.2	744.4	749.0
77.5°	317.1	321.7	239.0	436.6	739.8	712.3	680.0	634.2	615.8	579.0	579.0
80°	239.0	252.7	179.2	298.7	533.0	533.0	505.4	473.3	441.2	422.7	422.7
82.5°	160.8	160.8	133.2	188.4	363.1	349.2	330.8	321.7	303.3	294.1	294.1
85°	73.5	91.9	82.7	114.9	197.6	206.7	206.7	197.6	193.0	183.8	188.4
87.5°	23.0	41.4	50.5	64.4	101.1	105.7	110.2	110.2	110.2	114.9	114.9
90°	8.4	15.1	21.8	23.5	37.0	55.0	64.0	56.8	42.6	32.0	32.0
92.5°	33.7	90.9	148.2	162.5	228.4	316.3	360.3	315.7	226.7	159.9	153.6
95°	80.8	185.6	290.4	316.5	562.0	889.4	1053.1	939.7	713.0	542.9	523.6
97.5°	139.8	232.2	324.6	347.7	757.1	1302.9	1575.8	1504.1	1360.8	1253.4	1216.7
100°	185.2	269.0	352.8	373.7	828.0	1433.7	1736.6	1741.8	1752.3	1760.2	1716.5
102.5°	223.9	302.1	380.3	399.8	860.5	1474.9	1782.1	1873.3	2055.9	2192.8	2155.5
105°	289.6	355.8	422.0	438.6	884.7	1479.6	1777.0	1981.7	2391.0	2697.9	2677.8
107.5°	356.9	418.6	480.4	495.8	889.2	1413.8	1676.0	1961.5	2532.4	2960.5	2965.4
110°	402.3	458.1	513.9	527.8	882.4	1355.4	1591.8	1911.0	2549.2	3027.9	3048.8



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	447.0	500.1	553.2	566.5	882.8	1304.4	1515.2	1841.8	2495.1	2984.9	3017.1
115°	514.3	563.3	612.3	624.6	890.9	1246.0	1423.5	1738.1	2367.4	2839.3	2883.9
117.5°	580.8	625.4	669.8	681.0	907.4	1209.3	1360.3	1644.2	2212.1	2638.1	2687.6
120°	619.6	661.5	703.3	713.8	920.9	1197.0	1335.0	1594.4	2113.4	2502.6	2550.7
122.5°	657.4	699.7	742.0	752.6	940.3	1190.6	1315.7	1549.3	2016.6	2367.1	2414.5
125°	715.5	754.1	792.6	802.2	966.3	1185.2	1294.7	1493.2	1890.1	2187.8	2231.5
127.5°	762.7	801.6	840.5	850.2	992.5	1182.1	1277.0	1447.4	1788.2	2043.9	2080.7
130°	787.9	829.9	871.7	882.2	1011.5	1184.0	1270.2	1421.9	1725.3	1952.9	1986.9
132.5°	814.0	855.9	897.7	908.2	1026.9	1185.2	1264.3	1400.1	1671.7	1875.5	1906.0
135°	852.8	890.9	929.1	938.6	1043.8	1184.1	1254.3	1368.0	1595.4	1766.1	1792.3
137.5°	892.3	930.1	967.9	977.3	1069.1	1191.4	1252.6	1348.7	1541.0	1685.2	1706.8
140°	925.1	959.8	994.7	1003.4	1084.5	1192.6	1246.7	1329.8	1495.9	1620.4	1640.5
142.5°	950.3	982.6	1014.7	1022.7	1097.4	1196.9	1246.7	1319.6	1465.5	1575.0	1592.3
145°	989.1	1017.1	1045.2	1052.2	1114.3	1196.9	1238.3	1297.9	1417.3	1506.8	1519.9
147.5°	1027.8	1055.1	1082.5	1089.3	1139.0	1205.1	1238.3	1285.2	1379.1	1449.5	1460.4
150°	1053.1	1077.8	1102.5	1108.6	1151.8	1209.5	1238.3	1277.9	1357.2	1416.7	1425.4
152.5°	1079.1	1097.9	1116.5	1121.2	1160.2	1212.3	1238.3	1272.1	1339.8	1390.6	1397.2
155°	1117.9	1131.7	1145.6	1149.0	1178.8	1218.4	1238.3	1265.2	1319.1	1359.5	1363.9
157.5°	1146.5	1160.0	1173.5	1176.8	1197.3	1224.6	1238.3	1259.2	1301.1	1332.5	1335.6
160°	1165.8	1176.3	1186.8	1189.5	1205.8	1227.4	1238.3	1256.2	1292.1	1319.1	1320.9
162.5°	1185.2	1193.1	1200.9	1202.9	1214.6	1230.4	1238.3	1253.4	1283.7	1306.4	1308.1
165°	1206.3	1213.4	1220.4	1222.2	1227.6	1234.7	1238.3	1249.1	1270.8	1287.0	1288.9
167.5°	1225.6	1228.9	1232.4	1233.2	1237.7	1243.7	1246.7	1253.7	1267.9	1278.6	1279.4
170°	1238.3	1241.6	1245.0	1245.9	1246.1	1246.5	1246.7	1253.7	1267.9	1278.6	1278.6
172.5°	1245.0	1245.7	1246.5	1246.7	1246.7	1246.7	1246.7	1252.3	1263.5	1271.9	1271.3
175°	1254.3	1254.3	1254.3	1254.3	1251.7	1248.4	1246.7	1250.2	1257.4	1262.7	1262.7
177.5°	1254.3	1254.3	1254.3	1254.3	1252.3	1249.7	1248.4	1251.2	1256.8	1261.0	1260.3
180°	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1
2.5°	4981.1	4967.3	4981.1	4972.0	4976.6	4962.7	4921.4	4907.6	4921.4	4935.2	4935.2
5°	5040.8	5031.7	5040.8	5040.8	5036.3	5027.1	4981.1	4972.0	4981.1	4985.7	4976.6
7.5°	5059.2	5045.5	5059.2	5050.1	5050.1	5040.8	4994.9	4985.7	4990.3	5004.1	4990.3
10°	5059.2	5045.5	5059.2	5054.7	5050.1	5040.8	4994.9	4976.6	4976.6	4990.3	4976.6
12.5°	5036.3	5027.1	5036.3	5027.1	5027.1	5017.9	4972.0	4953.6	4958.1	4962.7	4944.4
15°	4999.5	4985.7	4999.5	4990.3	4994.9	4981.1	4930.6	4912.2	4912.2	4921.4	4889.2
17.5°	4944.4	4926.0	4944.4	4939.7	4935.2	4926.0	4880.0	4861.6	4857.1	4861.6	4838.7
20°	4880.0	4866.2	4880.0	4875.5	4875.5	4857.1	4811.1	4788.1	4788.1	4788.1	4765.1
22.5°	4779.0	4765.1	4779.0	4788.1	4788.1	4783.5	4742.1	4710.0	4700.9	4700.9	4673.3
25°	4664.0	4650.3	4664.0	4664.0	4659.5	4664.0	4650.3	4631.9	4618.1	4604.4	4576.8
27.5°	4553.8	4544.6	4553.8	4544.6	4553.8	4540.0	4535.4	4530.8	4512.4	4498.7	4461.9
30°	4443.5	4434.3	4443.5	4434.3	4425.2	4415.9	4392.9	4383.8	4402.2	4392.9	4333.2
32.5°	4305.7	4296.4	4305.7	4305.7	4296.4	4296.4	4259.7	4245.9	4250.5	4278.1	4222.9
35°	4163.2	4149.4	4163.2	4158.6	4163.2	4149.4	4126.4	4121.8	4103.5	4135.6	4094.2
37.5°	3997.7	3984.0	3997.7	3997.7	3997.7	4007.0	3988.6	3974.8	3947.2	3988.6	3956.5
40°	3827.7	3809.4	3827.7	3823.1	3827.7	3837.0	3827.7	3818.6	3791.0	3823.1	3795.6
42.5°	3634.8	3630.1	3634.8	3639.4	3639.4	3657.8	3671.5	3653.1	3643.9	3621.0	3639.4
45°	3427.9	3418.8	3427.9	3437.2	3441.8	3450.9	3492.3	3492.3	3478.5	3441.8	3469.3
47.5°	3207.4	3184.4	3207.4	3235.0	3235.0	3248.8	3290.1	3322.3	3299.3	3253.3	3267.2
50°	2973.1	2977.6	2973.1	2991.5	2991.5	3042.0	3074.1	3106.3	3129.3	3074.1	3009.8
52.5°	2743.3	2738.7	2743.3	2757.1	2775.5	2798.4	2853.6	2885.7	2922.5	2890.4	2789.3
55°	2513.5	2522.8	2513.5	2518.2	2527.3	2541.1	2623.8	2656.0	2724.9	2683.5	2577.9
57.5°	2283.8	2270.0	2283.8	2293.0	2297.6	2311.3	2380.3	2440.0	2481.4	2485.9	2357.3
60°	2017.2	1998.9	2017.2	2058.6	2067.8	2077.0	2141.3	2196.5	2233.2	2247.1	2113.7
62.5°	1782.9	1750.8	1782.9	1810.5	1828.9	1851.9	1897.8	1980.5	2012.6	2017.2	1828.9
65°	1534.8	1521.0	1534.8	1589.9	1594.5	1622.0	1672.6	1732.4	1801.3	1792.1	1521.0
67.5°	1309.6	1309.6	1309.6	1346.3	1373.9	1387.7	1452.1	1479.7	1566.9	1576.2	1268.2
70°	1102.8	1098.2	1102.8	1130.4	1148.7	1181.0	1240.7	1272.8	1341.8	1364.7	1029.3
72.5°	905.3	900.6	905.3	928.2	946.6	974.1	1024.7	1061.5	1121.2	1148.7	799.5
75°	730.6	721.4	730.6	749.0	744.4	781.2	822.5	859.3	914.4	932.8	592.8
77.5°	560.6	560.6	560.6	579.0	579.0	615.8	634.2	680.0	712.3	739.8	436.6
80°	418.2	413.6	418.2	422.7	422.7	441.2	473.3	505.4	533.0	533.0	298.7
82.5°	294.1	284.9	294.1	294.1	294.1	303.3	321.7	330.8	349.2	363.1	188.4
85°	183.8	183.8	183.8	188.4	183.8	193.0	197.6	206.7	206.7	197.6	114.9
87.5°	119.5	114.9	119.5	114.9	114.9	110.2	110.2	110.2	105.7	101.1	64.4
90°	32.0	32.0	32.0	32.0	32.0	42.6	56.8	64.0	55.0	37.0	23.5
92.5°	128.2	102.7	128.2	153.6	159.9	226.7	315.7	360.3	316.3	228.4	162.5
95°	446.6	369.6	446.6	523.6	542.9	713.0	939.7	1053.1	889.4	562.0	316.5
97.5°	1070.1	923.4	1070.1	1216.7	1253.4	1360.8	1504.1	1575.8	1302.9	757.1	347.7
100°	1541.8	1367.1	1541.8	1716.5	1760.2	1752.3	1741.8	1736.6	1433.7	828.0	373.7
102.5°	2005.7	1856.1	2005.7	2155.5	2192.8	2055.9	1873.3	1782.1	1474.9	860.5	399.8
105°	2597.4	2516.9	2597.4	2677.8	2697.9	2391.0	1981.7	1777.0	1479.6	884.7	438.6
107.5°	2984.9	3004.3	2984.9	2965.4	2960.5	2532.4	1961.5	1676.0	1413.8	889.2	495.8
110°	3132.6	3216.4	3132.6	3048.8	3027.9	2549.2	1911.0	1591.8	1355.4	882.4	527.8





TEST NUMBER: P934955

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3145.8	3274.5	3145.8	3017.1	2984.9	2495.1	1841.8	1515.2	1304.4	882.8	566.5
115°	3062.3	3240.8	3062.3	2883.9	2839.3	2367.4	1738.1	1423.5	1246.0	890.9	624.6
117.5°	2885.5	3083.4	2885.5	2687.6	2638.1	2212.1	1644.2	1360.3	1209.3	907.4	681.0
120°	2743.0	2935.3	2743.0	2550.7	2502.6	2113.4	1594.4	1335.0	1197.0	920.9	713.8
122.5°	2604.1	2793.9	2604.1	2414.5	2367.1	2016.6	1549.3	1315.7	1190.6	940.3	752.6
125°	2406.2	2580.9	2406.2	2231.5	2187.8	1890.1	1493.2	1294.7	1185.2	966.3	802.2
127.5°	2228.1	2375.5	2228.1	2080.7	2043.9	1788.2	1447.4	1277.0	1182.1	992.5	850.2
130°	2123.1	2259.4	2123.1	1986.9	1952.9	1725.3	1421.9	1270.2	1184.0	1011.5	882.2
132.5°	2027.9	2149.9	2027.9	1906.0	1875.5	1671.7	1400.1	1264.3	1185.2	1026.9	908.2
135°	1897.5	2002.6	1897.5	1792.3	1766.1	1595.4	1368.0	1254.3	1184.1	1043.8	938.6
137.5°	1792.8	1878.8	1792.8	1706.8	1685.2	1541.0	1348.7	1252.6	1191.4	1069.1	977.3
140°	1721.0	1801.4	1721.0	1640.5	1620.4	1495.9	1329.8	1246.7	1192.6	1084.5	1003.4
142.5°	1661.5	1730.7	1661.5	1592.3	1575.0	1465.5	1319.6	1246.7	1196.9	1097.4	1022.7
145°	1572.3	1624.6	1572.3	1519.9	1506.8	1417.3	1297.9	1238.3	1196.9	1114.3	1052.2
147.5°	1503.7	1547.2	1503.7	1460.4	1449.5	1379.1	1285.2	1238.3	1205.1	1139.0	1089.3
150°	1460.7	1495.9	1460.7	1425.4	1416.7	1357.2	1277.9	1238.3	1209.5	1151.8	1108.6
152.5°	1423.8	1450.3	1423.8	1397.2	1390.6	1339.8	1272.1	1238.3	1212.3	1160.2	1121.2
155°	1381.5	1399.0	1381.5	1363.9	1359.5	1319.1	1265.2	1238.3	1218.4	1178.8	1149.0
157.5°	1348.0	1360.3	1348.0	1335.6	1332.5	1301.1	1259.2	1238.3	1224.6	1197.3	1176.8
160°	1328.0	1335.0	1328.0	1320.9	1319.1	1292.1	1256.2	1238.3	1227.4	1205.8	1189.5
162.5°	1314.8	1321.6	1314.8	1308.1	1306.4	1283.7	1253.4	1238.3	1230.4	1214.6	1202.9
165°	1295.9	1303.1	1295.9	1288.9	1287.0	1270.8	1249.1	1238.3	1234.7	1227.6	1222.2
167.5°	1282.4	1285.4	1282.4	1279.4	1278.6	1267.9	1253.7	1246.7	1243.7	1237.7	1233.2
170°	1278.6	1278.6	1278.6	1278.6	1278.6	1267.9	1253.7	1246.7	1246.5	1246.1	1245.9
172.5°	1268.7	1266.0	1268.7	1271.3	1271.9	1263.5	1252.3	1246.7	1246.7	1246.7	1246.7
175°	1262.7	1262.7	1262.7	1262.7	1262.7	1257.4	1250.2	1246.7	1248.4	1251.7	1254.3
177.5°	1257.3	1254.3	1257.3	1260.3	1261.0	1256.8	1251.2	1248.4	1249.7	1252.3	1254.3
180°	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3



TEST NUMBER: P934955

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1
2.5°	4926.0	4898.5	4898.5	4852.5	4834.1	4820.3	4797.4	4728.4	4710.0	4691.6	4719.2
5°	4967.3	4916.8	4880.0	4797.4	4728.4	4700.9	4613.5	4448.1	4337.8	4255.1	4209.2
7.5°	4976.6	4912.2	4843.2	4714.6	4549.2	4475.7	4209.2	3905.9	3823.1	3749.6	3703.6
10°	4967.3	4893.8	4797.4	4604.4	4213.7	4085.1	3818.6	3621.0	3570.4	3556.6	3570.4
12.5°	4935.2	4866.2	4733.0	4411.3	3864.5	3777.2	3621.0	3506.1	3496.9	3519.9	3643.9
15°	4880.0	4815.7	4659.5	4154.0	3671.5	3607.2	3496.9	3455.5	3506.1	3666.9	4039.1
17.5°	4824.9	4751.4	4558.4	3901.2	3524.5	3478.5	3400.4	3483.2	3768.0	3984.0	4108.1
20°	4751.4	4664.0	4443.5	3717.5	3418.8	3377.4	3340.7	3712.9	3928.9	4007.0	4075.8
22.5°	4664.0	4572.1	4287.3	3588.8	3308.5	3276.3	3299.3	3841.5	3928.9	3984.0	4043.7
25°	4549.2	4471.0	4103.5	3487.7	3221.2	3184.4	3271.7	3827.7	3878.3	3892.1	4011.6
27.5°	4443.5	4342.4	3910.5	3395.8	3115.5	3101.7	3294.7	3768.0	3804.8	3818.6	3947.2
30°	4314.8	4163.2	3694.5	3299.3	3005.2	3000.6	3299.3	3694.5	3685.3	3722.0	3850.7
32.5°	4181.6	3896.7	3450.9	3179.8	2899.5	2895.0	3267.2	3584.2	3575.0	3625.5	3722.0
35°	4057.5	3689.9	3120.1	3042.0	2766.3	2770.9	3189.1	3455.5	3460.2	3506.1	3565.8
37.5°	3928.9	3510.7	2757.1	2890.4	2637.6	2637.6	3083.3	3336.1	3326.9	3340.7	3423.4
40°	3777.2	3230.3	2435.4	2692.8	2518.2	2504.3	2954.7	3207.4	3175.2	3170.7	3285.6
42.5°	3616.4	2922.5	2196.5	2430.8	2380.3	2361.9	2798.4	3051.2	2991.5	3005.2	3152.2
45°	3441.8	2839.8	2012.6	2054.0	2237.8	2224.1	2628.4	2872.0	2830.6	2867.4	3019.0
47.5°	3267.2	2674.4	1953.0	1704.8	2086.2	2081.6	2440.0	2697.4	2674.4	2711.1	2872.0
50°	3028.2	2490.6	1948.4	1461.3	1916.1	1934.5	2214.8	2527.3	2527.3	2559.5	2729.5
52.5°	2720.3	2265.4	1769.1	1323.4	1718.5	1773.8	2017.2	2380.3	2389.4	2421.7	2573.3
55°	2440.0	2031.1	1640.4	1217.7	1484.2	1603.7	1824.3	2228.6	2247.1	2279.2	2417.1
57.5°	2182.7	1691.0	1612.9	1093.6	1268.2	1383.2	1654.3	2081.6	2090.8	2118.3	2251.6
60°	1907.0	1222.3	1479.7	960.4	1079.9	1167.2	1498.0	1907.0	1939.1	1957.5	2072.4
62.5°	1594.5	886.9	1341.8	868.5	988.0	1006.4	1369.3	1741.5	1782.9	1796.7	1865.6
65°	1135.0	744.4	1139.6	790.4	891.5	896.0	1231.5	1571.5	1608.3	1631.3	1681.8
67.5°	767.4	606.5	868.5	716.8	817.9	822.5	1098.2	1373.9	1424.5	1442.9	1475.1
70°	533.0	404.3	643.3	638.7	735.3	744.4	955.8	1194.7	1240.7	1254.5	1272.8
72.5°	390.6	326.2	533.0	574.4	647.9	657.1	808.8	992.5	1038.5	1052.2	1061.5
75°	298.7	344.6	431.9	500.8	551.4	556.0	661.7	808.8	840.9	850.1	854.7
77.5°	239.0	321.7	317.1	404.3	450.3	441.2	519.3	624.9	652.5	652.5	652.5
80°	179.2	252.7	239.0	289.5	330.8	321.7	372.2	445.7	454.9	464.1	459.6
82.5°	133.2	160.8	160.8	183.8	220.6	211.4	248.1	289.5	289.5	289.5	298.7
85°	82.7	91.9	73.5	96.5	124.1	119.5	137.9	156.2	160.8	160.8	151.6
87.5°	50.5	41.4	23.0	36.7	55.1	55.1	64.4	68.9	64.4	64.4	64.4
90°	21.8	15.1	8.4	15.1	21.8	23.5	37.0	55.0	64.0	56.8	42.6
92.5°	148.2	90.9	33.7	90.9	148.2	162.5	228.4	316.3	360.3	315.7	226.7
95°	290.4	185.6	80.8	185.6	290.4	316.5	562.0	889.4	1053.1	939.7	713.0
97.5°	324.6	232.2	139.8	232.2	324.6	347.7	757.1	1302.9	1575.8	1504.1	1360.8
100°	352.8	269.0	185.2	269.0	352.8	373.7	828.0	1433.7	1736.6	1741.8	1752.3
102.5°	380.3	302.1	223.9	302.1	380.3	399.8	860.5	1474.9	1782.1	1873.3	2055.9
105°	422.0	355.8	289.6	355.8	422.0	438.6	884.7	1479.6	1777.0	1981.7	2391.0
107.5°	480.4	418.6	356.9	418.6	480.4	495.8	889.2	1413.8	1676.0	1961.5	2532.4
110°	513.9	458.1	402.3	458.1	513.9	527.8	882.4	1355.4	1591.8	1911.0	2549.2



TEST NUMBER: P934955

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	553.2	500.1	447.0	500.1	553.2	566.5	882.8	1304.4	1515.2	1841.8	2495.1
115°	612.3	563.3	514.3	563.3	612.3	624.6	890.9	1246.0	1423.5	1738.1	2367.4
117.5°	669.8	625.4	580.8	625.4	669.8	681.0	907.4	1209.3	1360.3	1644.2	2212.1
120°	703.3	661.5	619.6	661.5	703.3	713.8	920.9	1197.0	1335.0	1594.4	2113.4
122.5°	742.0	699.7	657.4	699.7	742.0	752.6	940.3	1190.6	1315.7	1549.3	2016.6
125°	792.6	754.1	715.5	754.1	792.6	802.2	966.3	1185.2	1294.7	1493.2	1890.1
127.5°	840.5	801.6	762.7	801.6	840.5	850.2	992.5	1182.1	1277.0	1447.4	1788.2
130°	871.7	829.9	787.9	829.9	871.7	882.2	1011.5	1184.0	1270.2	1421.9	1725.3
132.5°	897.7	855.9	814.0	855.9	897.7	908.2	1026.9	1185.2	1264.3	1400.1	1671.7
135°	929.1	890.9	852.8	890.9	929.1	938.6	1043.8	1184.1	1254.3	1368.0	1595.4
137.5°	967.9	930.1	892.3	930.1	967.9	977.3	1069.1	1191.4	1252.6	1348.7	1541.0
140°	994.7	959.8	925.1	959.8	994.7	1003.4	1084.5	1192.6	1246.7	1329.8	1495.9
142.5°	1014.7	982.6	950.3	982.6	1014.7	1022.7	1097.4	1196.9	1246.7	1319.6	1465.5
145°	1045.2	1017.1	989.1	1017.1	1045.2	1052.2	1114.3	1196.9	1238.3	1297.9	1417.3
147.5°	1082.5	1055.1	1027.8	1055.1	1082.5	1089.3	1139.0	1205.1	1238.3	1285.2	1379.1
150°	1102.5	1077.8	1053.1	1077.8	1102.5	1108.6	1151.8	1209.5	1238.3	1277.9	1357.2
152.5°	1116.5	1097.9	1079.1	1097.9	1116.5	1121.2	1160.2	1212.3	1238.3	1272.1	1339.8
155°	1145.6	1131.7	1117.9	1131.7	1145.6	1149.0	1178.8	1218.4	1238.3	1265.2	1319.1
157.5°	1173.5	1160.0	1146.5	1160.0	1173.5	1176.8	1197.3	1224.6	1238.3	1259.2	1301.1
160°	1186.8	1176.3	1165.8	1176.3	1186.8	1189.5	1205.8	1227.4	1238.3	1256.2	1292.1
162.5°	1200.9	1193.1	1185.2	1193.1	1200.9	1202.9	1214.6	1230.4	1238.3	1253.4	1283.7
165°	1220.4	1213.4	1206.3	1213.4	1220.4	1222.2	1227.6	1234.7	1238.3	1249.1	1270.8
167.5°	1232.4	1228.9	1225.6	1228.9	1232.4	1233.2	1237.7	1243.7	1246.7	1253.7	1267.9
170°	1245.0	1241.6	1238.3	1241.6	1245.0	1245.9	1246.1	1246.5	1246.7	1253.7	1267.9
172.5°	1246.5	1245.7	1245.0	1245.7	1246.5	1246.7	1246.7	1246.7	1246.7	1252.3	1263.5
175°	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1251.7	1248.4	1246.7	1250.2	1257.4
177.5°	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1252.3	1249.7	1248.4	1251.2	1256.8
180°	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3



TEST NUMBER: P934955

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1
2.5°	4687.0	4673.3	4691.6	4641.1	4691.6	4673.3	4687.0	4719.2	4691.6	4710.0	4728.4
5°	4112.7	4089.7	4016.1	3956.5	4016.1	4089.7	4112.7	4209.2	4255.1	4337.8	4448.1
7.5°	3676.1	3657.8	3639.4	3602.6	3639.4	3657.8	3676.1	3703.6	3749.6	3823.1	3905.9
10°	3579.6	3584.2	3611.8	3607.2	3611.8	3584.2	3579.6	3570.4	3556.6	3570.4	3621.0
12.5°	3827.7	3869.1	4020.7	4011.6	4020.7	3869.1	3827.7	3643.9	3519.9	3496.9	3506.1
15°	4112.7	4126.4	4158.6	4163.2	4158.6	4126.4	4112.7	4039.1	3666.9	3506.1	3455.5
17.5°	4140.2	4144.8	4167.8	4167.8	4167.8	4144.8	4140.2	4108.1	3984.0	3768.0	3483.2
20°	4117.2	4126.4	4172.4	4181.6	4172.4	4126.4	4117.2	4075.8	4007.0	3928.9	3712.9
22.5°	4108.1	4126.4	4163.2	4158.6	4163.2	4126.4	4108.1	4043.7	3984.0	3928.9	3841.5
25°	4062.1	4062.1	4066.7	4071.3	4066.7	4062.1	4062.1	4011.6	3892.1	3878.3	3827.7
27.5°	3965.6	3974.8	4002.4	3997.7	4002.4	3974.8	3965.6	3947.2	3818.6	3804.8	3768.0
30°	3878.3	3869.1	3846.1	3827.7	3846.1	3869.1	3878.3	3850.7	3722.0	3685.3	3694.5
32.5°	3731.3	3708.3	3685.3	3671.5	3685.3	3708.3	3731.3	3722.0	3625.5	3575.0	3584.2
35°	3556.6	3561.3	3556.6	3542.9	3556.6	3561.3	3556.6	3565.8	3506.1	3460.2	3455.5
37.5°	3432.6	3441.8	3437.2	3418.8	3437.2	3441.8	3432.6	3423.4	3340.7	3326.9	3336.1
40°	3303.9	3308.5	3303.9	3290.1	3303.9	3308.5	3303.9	3285.6	3170.7	3175.2	3207.4
42.5°	3179.8	3175.2	3161.5	3152.2	3161.5	3175.2	3179.8	3152.2	3005.2	2991.5	3051.2
45°	3037.4	3042.0	3014.4	3000.6	3014.4	3042.0	3037.4	3019.0	2867.4	2830.6	2872.0
47.5°	2895.0	2895.0	2872.0	2858.1	2872.0	2895.0	2895.0	2872.0	2711.1	2674.4	2697.4
50°	2743.3	2738.7	2706.5	2701.9	2706.5	2738.7	2743.3	2729.5	2559.5	2527.3	2527.3
52.5°	2568.7	2568.7	2573.3	2582.4	2573.3	2568.7	2568.7	2573.3	2421.7	2389.4	2380.3
55°	2417.1	2421.7	2453.8	2463.0	2453.8	2421.7	2417.1	2417.1	2279.2	2247.1	2228.6
57.5°	2260.8	2260.8	2283.8	2283.8	2283.8	2260.8	2260.8	2251.6	2118.3	2090.8	2081.6
60°	2081.6	2090.8	2109.2	2104.6	2109.2	2090.8	2081.6	2072.4	1957.5	1939.1	1907.0
62.5°	1893.2	1902.4	1907.0	1897.8	1907.0	1902.4	1893.2	1865.6	1796.7	1782.9	1741.5
65°	1695.6	1704.8	1709.4	1700.2	1709.4	1704.8	1695.6	1681.8	1631.3	1608.3	1571.5
67.5°	1493.4	1488.8	1484.2	1502.6	1484.2	1488.8	1493.4	1475.1	1442.9	1424.5	1373.9
70°	1286.6	1286.6	1282.1	1291.2	1282.1	1286.6	1286.6	1272.8	1254.5	1240.7	1194.7
72.5°	1066.1	1061.5	1079.9	1066.1	1079.9	1061.5	1066.1	1061.5	1052.2	1038.5	992.5
75°	850.1	859.3	850.1	863.9	850.1	859.3	850.1	854.7	850.1	840.9	808.8
77.5°	647.9	657.1	647.9	647.9	647.9	657.1	647.9	652.5	652.5	652.5	624.9
80°	459.6	454.9	454.9	450.3	454.9	454.9	459.6	459.6	464.1	454.9	445.7
82.5°	294.1	289.5	289.5	298.7	289.5	289.5	294.1	298.7	289.5	289.5	289.5
85°	160.8	165.5	156.2	156.2	156.2	165.5	160.8	151.6	160.8	160.8	156.2
87.5°	59.7	55.1	55.1	55.1	55.1	55.1	59.7	64.4	64.4	64.4	68.9
90°	32.0	32.0	32.0	32.0	32.0	32.0	32.0	42.6	56.8	64.0	55.0
92.5°	159.9	153.6	128.2	102.7	128.2	153.6	159.9	226.7	315.7	360.3	316.3
95°	542.9	523.6	446.6	369.6	446.6	523.6	542.9	713.0	939.7	1053.1	889.4
97.5°	1253.4	1216.7	1070.1	923.4	1070.1	1216.7	1253.4	1360.8	1504.1	1575.8	1302.9
100°	1760.2	1716.5	1541.8	1367.1	1541.8	1716.5	1760.2	1752.3	1741.8	1736.6	1433.7
102.5°	2192.8	2155.5	2005.7	1856.1	2005.7	2155.5	2192.8	2055.9	1873.3	1782.1	1474.9
105°	2697.9	2677.8	2597.4	2516.9	2597.4	2677.8	2697.9	2391.0	1981.7	1777.0	1479.6
107.5°	2960.5	2965.4	2984.9	3004.3	2984.9	2965.4	2960.5	2532.4	1961.5	1676.0	1413.8
110°	3027.9	3048.8	3132.6	3216.4	3132.6	3048.8	3027.9	2549.2	1911.0	1591.8	1355.4



TEST NUMBER: P934955

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2984.9	3017.1	3145.8	3274.5	3145.8	3017.1	2984.9	2495.1	1841.8	1515.2	1304.4
115°	2839.3	2883.9	3062.3	3240.8	3062.3	2883.9	2839.3	2367.4	1738.1	1423.5	1246.0
117.5°	2638.1	2687.6	2885.5	3083.4	2885.5	2687.6	2638.1	2212.1	1644.2	1360.3	1209.3
120°	2502.6	2550.7	2743.0	2935.3	2743.0	2550.7	2502.6	2113.4	1594.4	1335.0	1197.0
122.5°	2367.1	2414.5	2604.1	2793.9	2604.1	2414.5	2367.1	2016.6	1549.3	1315.7	1190.6
125°	2187.8	2231.5	2406.2	2580.9	2406.2	2231.5	2187.8	1890.1	1493.2	1294.7	1185.2
127.5°	2043.9	2080.7	2228.1	2375.5	2228.1	2080.7	2043.9	1788.2	1447.4	1277.0	1182.1
130°	1952.9	1986.9	2123.1	2259.4	2123.1	1986.9	1952.9	1725.3	1421.9	1270.2	1184.0
132.5°	1875.5	1906.0	2027.9	2149.9	2027.9	1906.0	1875.5	1671.7	1400.1	1264.3	1185.2
135°	1766.1	1792.3	1897.5	2002.6	1897.5	1792.3	1766.1	1595.4	1368.0	1254.3	1184.1
137.5°	1685.2	1706.8	1792.8	1878.8	1792.8	1706.8	1685.2	1541.0	1348.7	1252.6	1191.4
140°	1620.4	1640.5	1721.0	1801.4	1721.0	1640.5	1620.4	1495.9	1329.8	1246.7	1192.6
142.5°	1575.0	1592.3	1661.5	1730.7	1661.5	1592.3	1575.0	1465.5	1319.6	1246.7	1196.9
145°	1506.8	1519.9	1572.3	1624.6	1572.3	1519.9	1506.8	1417.3	1297.9	1238.3	1196.9
147.5°	1449.5	1460.4	1503.7	1547.2	1503.7	1460.4	1449.5	1379.1	1285.2	1238.3	1205.1
150°	1416.7	1425.4	1460.7	1495.9	1460.7	1425.4	1416.7	1357.2	1277.9	1238.3	1209.5
152.5°	1390.6	1397.2	1423.8	1450.3	1423.8	1397.2	1390.6	1339.8	1272.1	1238.3	1212.3
155°	1359.5	1363.9	1381.5	1399.0	1381.5	1363.9	1359.5	1319.1	1265.2	1238.3	1218.4
157.5°	1332.5	1335.6	1348.0	1360.3	1348.0	1335.6	1332.5	1301.1	1259.2	1238.3	1224.6
160°	1319.1	1320.9	1328.0	1335.0	1328.0	1320.9	1319.1	1292.1	1256.2	1238.3	1227.4
162.5°	1306.4	1308.1	1314.8	1321.6	1314.8	1308.1	1306.4	1283.7	1253.4	1238.3	1230.4
165°	1287.0	1288.9	1295.9	1303.1	1295.9	1288.9	1287.0	1270.8	1249.1	1238.3	1234.7
167.5°	1278.6	1279.4	1282.4	1285.4	1282.4	1279.4	1278.6	1267.9	1253.7	1246.7	1243.7
170°	1278.6	1278.6	1278.6	1278.6	1278.6	1278.6	1278.6	1267.9	1253.7	1246.7	1246.5
172.5°	1271.9	1271.3	1268.7	1266.0	1268.7	1271.3	1271.9	1263.5	1252.3	1246.7	1246.7
175°	1262.7	1262.7	1262.7	1262.7	1262.7	1262.7	1262.7	1257.4	1250.2	1246.7	1248.4
177.5°	1261.0	1260.3	1257.3	1254.3	1257.3	1260.3	1261.0	1256.8	1251.2	1248.4	1249.7
180°	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3	1254.3



TEST NUMBER: P934955

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	4857.1	4857.1	4857.1	4857.1	4857.1
2.5°	4797.4	4820.3	4834.1	4852.5	4898.5
5°	4613.5	4700.9	4728.4	4797.4	4880.0
7.5°	4209.2	4475.7	4549.2	4714.6	4843.2
10°	3818.6	4085.1	4213.7	4604.4	4797.4
12.5°	3621.0	3777.2	3864.5	4411.3	4733.0
15°	3496.9	3607.2	3671.5	4154.0	4659.5
17.5°	3400.4	3478.5	3524.5	3901.2	4558.4
20°	3340.7	3377.4	3418.8	3717.5	4443.5
22.5°	3299.3	3276.3	3308.5	3588.8	4287.3
25°	3271.7	3184.4	3221.2	3487.7	4103.5
27.5°	3294.7	3101.7	3115.5	3395.8	3910.5
30°	3299.3	3000.6	3005.2	3299.3	3694.5
32.5°	3267.2	2895.0	2899.5	3179.8	3450.9
35°	3189.1	2770.9	2766.3	3042.0	3120.1
37.5°	3083.3	2637.6	2637.6	2890.4	2757.1
40°	2954.7	2504.3	2518.2	2692.8	2435.4
42.5°	2798.4	2361.9	2380.3	2430.8	2196.5
45°	2628.4	2224.1	2237.8	2054.0	2012.6
47.5°	2440.0	2081.6	2086.2	1704.8	1953.0
50°	2214.8	1934.5	1916.1	1461.3	1948.4
52.5°	2017.2	1773.8	1718.5	1323.4	1769.1
55°	1824.3	1603.7	1484.2	1217.7	1640.4
57.5°	1654.3	1383.2	1268.2	1093.6	1612.9
60°	1498.0	1167.2	1079.9	960.4	1479.7
62.5°	1369.3	1006.4	988.0	868.5	1341.8
65°	1231.5	896.0	891.5	790.4	1139.6
67.5°	1098.2	822.5	817.9	716.8	868.5
70°	955.8	744.4	735.3	638.7	643.3
72.5°	808.8	657.1	647.9	574.4	533.0
75°	661.7	556.0	551.4	500.8	431.9
77.5°	519.3	441.2	450.3	404.3	317.1
80°	372.2	321.7	330.8	289.5	239.0
82.5°	248.1	211.4	220.6	183.8	160.8
85°	137.9	119.5	124.1	96.5	73.5
87.5°	64.4	55.1	55.1	36.7	23.0
90°	37.0	23.5	21.8	15.1	8.4
92.5°	228.4	162.5	148.2	90.9	33.7
95°	562.0	316.5	290.4	185.6	80.8
97.5°	757.1	347.7	324.6	232.2	139.8
100°	828.0	373.7	352.8	269.0	185.2
102.5°	860.5	399.8	380.3	302.1	223.9
105°	884.7	438.6	422.0	355.8	289.6
107.5°	889.2	495.8	480.4	418.6	356.9
110°	882.4	527.8	513.9	458.1	402.3



TEST NUMBER: P934955

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	882.8	566.5	553.2	500.1	447.0
115°	890.9	624.6	612.3	563.3	514.3
117.5°	907.4	681.0	669.8	625.4	580.8
120°	920.9	713.8	703.3	661.5	619.6
122.5°	940.3	752.6	742.0	699.7	657.4
125°	966.3	802.2	792.6	754.1	715.5
127.5°	992.5	850.2	840.5	801.6	762.7
130°	1011.5	882.2	871.7	829.9	787.9
132.5°	1026.9	908.2	897.7	855.9	814.0
135°	1043.8	938.6	929.1	890.9	852.8
137.5°	1069.1	977.3	967.9	930.1	892.3
140°	1084.5	1003.4	994.7	959.8	925.1
142.5°	1097.4	1022.7	1014.7	982.6	950.3
145°	1114.3	1052.2	1045.2	1017.1	989.1
147.5°	1139.0	1089.3	1082.5	1055.1	1027.8
150°	1151.8	1108.6	1102.5	1077.8	1053.1
152.5°	1160.2	1121.2	1116.5	1097.9	1079.1
155°	1178.8	1149.0	1145.6	1131.7	1117.9
157.5°	1197.3	1176.8	1173.5	1160.0	1146.5
160°	1205.8	1189.5	1186.8	1176.3	1165.8
162.5°	1214.6	1202.9	1200.9	1193.1	1185.2
165°	1227.6	1222.2	1220.4	1213.4	1206.3
167.5°	1237.7	1233.2	1232.4	1228.9	1225.6
170°	1246.1	1245.9	1245.0	1241.6	1238.3
172.5°	1246.7	1246.7	1246.5	1245.7	1245.0
175°	1251.7	1254.3	1254.3	1254.3	1254.3
177.5°	1252.3	1254.3	1254.3	1254.3	1254.3
180°	1254.3	1254.3	1254.3	1254.3	1254.3



TEST NUMBER: P934955  
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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.17	16.13	16.02	17.01	18.12	18.02	18.98	18.87	19.86	20.97
	3H	15.65	16.52	16.52	17.41	18.54	19.38	20.24	20.25	21.13	22.27
	4H	15.85	16.67	16.73	17.56	18.71	19.83	20.65	20.72	21.55	22.69
	6H	15.97	16.73	16.87	17.63	18.79	20.13	20.88	21.03	21.78	22.94
	8H	15.97	16.69	16.88	17.61	18.77	20.21	20.93	21.11	21.85	23.00
	12H	15.95	16.63	16.86	17.55	18.73	20.25	20.94	21.16	21.85	23.03
4H	2H	16.22	17.03	17.11	17.93	19.08	18.44	19.26	19.33	20.15	21.30
	3H	17.25	17.94	18.16	18.86	20.02	19.96	20.64	20.86	21.57	22.73
	4H	17.53	18.16	18.45	19.08	20.26	20.50	21.12	21.41	22.04	23.23
	6H	17.66	18.20	18.59	19.15	20.34	20.87	21.41	21.80	22.36	23.54
	8H	17.67	18.17	18.60	19.12	20.32	20.99	21.49	21.92	22.43	23.63
	12H	17.64	18.10	18.60	19.06	20.26	21.05	21.50	22.00	22.46	23.67
8H	4H	18.00	18.50	18.93	19.44	20.64	20.63	21.13	21.56	22.07	23.27
	6H	18.26	18.68	19.22	19.66	20.86	21.08	21.49	22.03	22.47	23.67
	8H	18.31	18.68	19.28	19.65	20.87	21.23	21.60	22.20	22.57	23.79
	12H	18.30	18.62	19.27	19.59	20.85	21.34	21.66	22.31	22.63	23.89
12H	4H	18.01	18.46	18.96	19.42	20.63	20.60	21.05	21.55	22.01	23.22
	6H	18.33	18.69	19.29	19.67	20.89	21.07	21.44	22.04	22.41	23.63
	8H	18.40	18.72	19.37	19.69	20.95	21.24	21.57	22.21	22.53	23.80