

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: P934973

Luminaire Tested: SQ4-FA-075U-125D-940-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

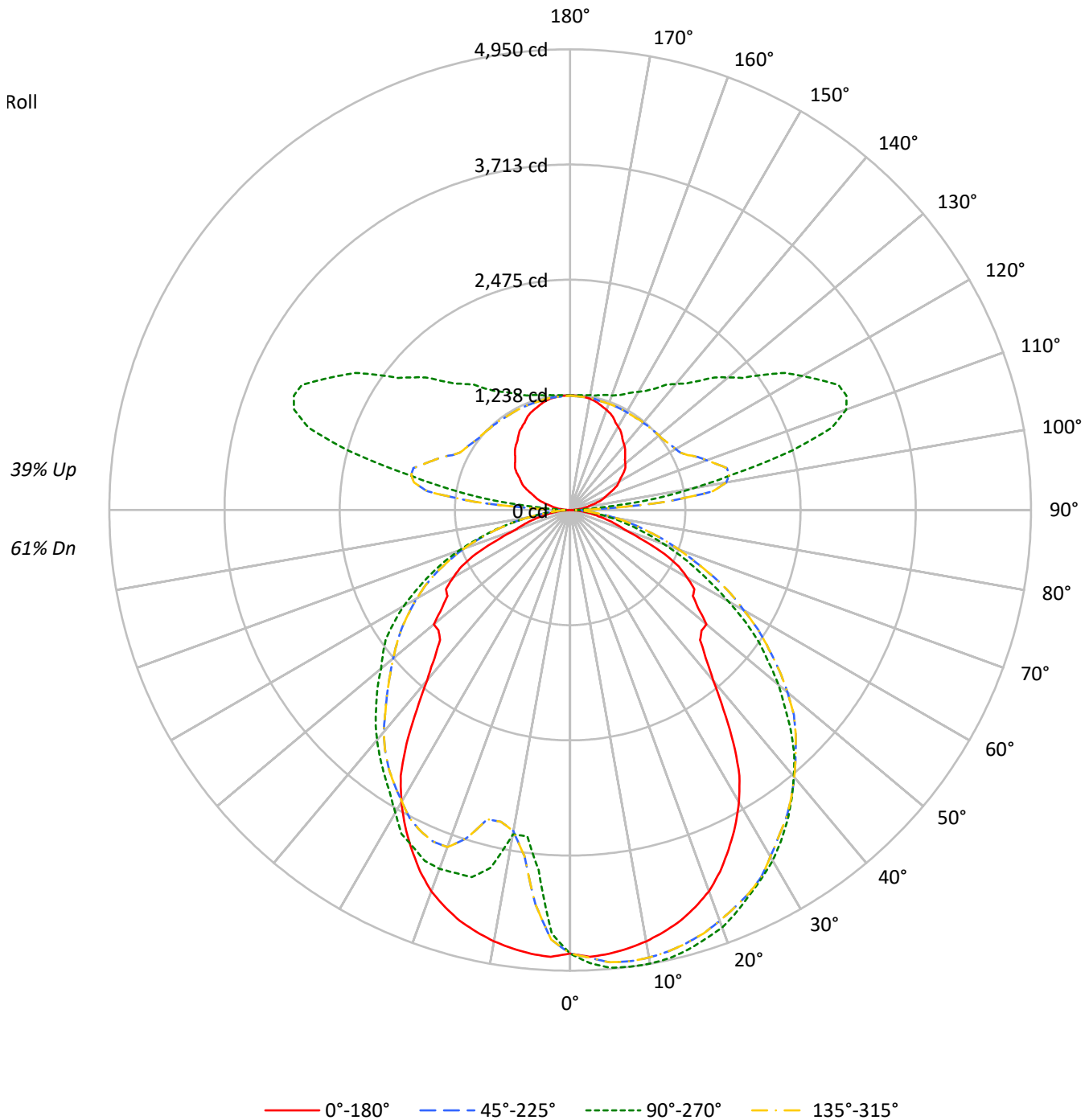
Test Method: LM-79-2019  
Report Number: P934973  
REPORT IS A COMBINATION OF REPORTS P933717 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-125D-940-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20336.1 lumens  
Efficiency: N/A  
Efficacy: 109.3 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	50	30	10	0
RCR																					
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	66	66	66	61
1	100	96	92	88	94	90	86	83	79	76	74	68	66	65	59	57	56	56	56	56	51
2	91	84	78	72	85	79	73	68	69	65	61	60	57	54	52	49	47	47	47	47	43
3	83	74	66	60	78	69	63	57	61	56	51	53	49	46	46	43	40	40	40	40	36
4	76	65	57	51	71	61	54	49	54	48	44	47	43	39	41	37	35	35	35	35	31
5	70	58	50	44	65	55	47	42	48	42	38	42	38	34	37	33	30	30	30	30	27
6	65	52	44	38	60	49	42	36	44	37	33	38	33	30	33	29	26	26	26	26	24
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23	23	23	23	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	21	21	21	19
9	52	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	19	19	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17	17	17	17	15

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

	0°	90°	180°	270°
0°	14739	14739	14739	14739
5°	14854	14878	14854	11698
10°	14760	14655	14760	10478
15°	14605	14338	14605	11972
20°	14306	13962	14306	11997
25°	13686	13413	13686	11743
30°	12883	12957	12883	11185
35°	11491	12382	11491	10572
40°	9580	11703	9580	10108
45°	8566	10909	8566	9575
50°	9107	9963	9107	9040
55°	8576	8942	8576	8731
60°	8852	7595	8852	7997
65°	8039	6278	8039	7018
70°	5580	5003	5580	5882
75°	4912	3698	4912	4429
80°	3987	2445	3987	2663
85°	2336	1296	2336	1101

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13120 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	430.1	2.1
10°-20°	1221.2	6.0
20°-30°	1887.8	9.3
30°-40°	2253.6	11.1
40°-50°	2266.9	11.1
50°-60°	1972.4	9.7
60°-70°	1398.5	6.9
70°-80°	739.9	3.6
80°-90°	189.0	0.9
90°-100°	599.8	2.9
100°-110°	1576.9	7.8
110°-120°	1635.1	8.0
120°-130°	1311.5	6.4
130°-140°	1029.1	5.1
140°-150°	789.9	3.9
150°-160°	568.8	2.8
160°-170°	348.0	1.7
170°-180°	117.6	0.6
0°-30°	3539.2	17.4
0°-40°	5792.8	28.5
0°-60°	10032.1	49.3
0°-90°	12359.4	60.8
90°-120°	3811.7	18.7
90°-150°	6942.2	34.1
90°-180°	7977.0	39.2
0°-180°	20336.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4765	4765	4765	4765	4765	
5°	4788	4936	4788	3881	4788	454
15°	4571	4891	4571	4084	4571	1286
25°	4026	4562	4026	3994	4026	1848
35°	3061	4071	3061	3476	3061	1894
45°	1974	3354	1974	2944	1974	1582
55°	1609	2475	1609	2416	1609	1479
65°	1118	1492	1118	1668	1118	1069
75°	424	708	424	848	424	446
85°	72	180	72	153	72	97
90°	8	31	8	31	8	10
95°	79	363	79	363	79	88
105°	284	2469	284	2469	284	301
115°	505	3179	505	3179	505	498
125°	702	2532	702	2532	702	623
135°	837	1965	837	1965	837	647
145°	970	1594	970	1594	970	608
155°	1097	1372	1097	1372	1097	504
165°	1183	1278	1183	1278	1183	334
175°	1230	1239	1230	1239	1230	117
180°	1230	1230	1230	1230	1230	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4805.6	4805.6	4832.6	4841.6	4841.6	4828.1	4814.6	4828.1	4868.6	4882.2	4877.7
5°	4787.5	4823.6	4873.2	4882.2	4891.2	4886.7	4877.7	4886.7	4931.8	4940.8	4945.3
7.5°	4751.4	4819.1	4882.2	4895.7	4909.2	4895.7	4891.2	4900.3	4945.3	4954.3	4954.3
10°	4706.4	4801.1	4873.2	4882.2	4895.7	4882.2	4882.2	4900.3	4945.3	4954.3	4958.9
12.5°	4643.3	4774.0	4841.6	4850.6	4868.6	4864.1	4859.7	4877.7	4922.7	4931.8	4931.8
15°	4571.2	4724.4	4787.5	4796.5	4828.1	4819.1	4819.1	4837.1	4886.7	4900.3	4895.7
17.5°	4472.0	4661.3	4733.4	4747.0	4769.4	4765.0	4769.4	4787.5	4832.6	4841.6	4846.1
20°	4359.3	4575.6	4661.3	4674.8	4697.3	4697.3	4697.3	4719.9	4765.0	4783.0	4783.0
22.5°	4206.0	4485.5	4575.6	4584.7	4611.7	4611.7	4620.7	4652.2	4692.8	4697.3	4697.3
25°	4025.7	4386.3	4462.9	4490.0	4517.1	4530.6	4544.1	4562.1	4575.6	4571.2	4575.6
27.5°	3836.3	4260.1	4359.3	4377.3	4413.4	4426.9	4444.9	4449.4	4453.9	4467.4	4458.5
30°	3624.5	4084.3	4233.0	4251.0	4309.6	4318.7	4300.7	4309.6	4332.2	4341.3	4350.2
32.5°	3385.5	3822.8	4102.3	4142.9	4197.0	4170.0	4165.4	4178.9	4215.0	4215.0	4224.0
35°	3060.9	3619.9	3980.5	4016.6	4057.2	4025.7	4043.7	4048.2	4070.8	4084.3	4079.7
37.5°	2704.8	3444.1	3854.4	3881.4	3913.0	3872.4	3899.5	3913.0	3931.0	3921.9	3921.9
40°	2389.3	3169.1	3705.6	3723.7	3750.6	3719.1	3746.2	3755.2	3764.2	3755.2	3750.6
42.5°	2154.8	2867.1	3547.8	3570.4	3552.4	3574.8	3583.9	3601.9	3588.4	3570.4	3570.4
45°	1974.5	2785.9	3376.5	3403.5	3376.5	3412.6	3426.1	3426.1	3385.5	3376.5	3372.0
47.5°	1915.9	2623.7	3205.2	3205.2	3191.6	3236.8	3259.3	3227.7	3187.2	3173.6	3173.6
50°	1911.4	2443.3	2970.8	2952.8	3015.8	3070.0	3047.4	3015.8	2984.3	2934.8	2934.8
52.5°	1735.6	2222.5	2668.7	2736.4	2835.6	2867.1	2831.0	2799.5	2745.3	2722.9	2704.8
55°	1609.3	1992.6	2393.8	2529.0	2632.7	2673.2	2605.7	2574.0	2493.0	2479.4	2470.4
57.5°	1582.3	1659.0	2141.3	2312.6	2438.8	2434.4	2393.8	2335.2	2267.5	2254.0	2249.5
60°	1451.6	1199.2	1870.8	2073.7	2204.5	2190.9	2154.8	2100.7	2037.6	2028.6	2019.6
62.5°	1316.4	870.1	1564.3	1794.2	1979.0	1974.5	1942.9	1861.8	1816.8	1794.2	1776.2
65°	1118.0	730.3	1113.5	1492.2	1758.2	1767.1	1699.5	1640.9	1591.3	1564.3	1559.8
67.5°	852.0	595.0	752.8	1244.2	1546.3	1537.2	1451.6	1424.5	1361.4	1347.9	1320.8
70°	631.1	396.7	522.9	1009.8	1338.8	1316.4	1248.7	1217.2	1158.6	1127.0	1108.9
72.5°	522.9	320.0	383.2	784.4	1127.0	1100.0	1041.4	1005.3	955.7	928.7	910.6
75°	423.8	338.1	293.0	581.6	915.1	897.1	843.0	806.9	766.3	730.3	734.8
77.5°	311.1	315.6	234.4	428.3	725.8	698.8	667.2	622.1	604.1	568.1	568.1
80°	234.4	247.9	175.8	293.0	522.9	522.9	495.9	464.3	432.8	414.7	414.7
82.5°	157.8	157.8	130.7	184.8	356.2	342.6	324.6	315.6	297.6	288.5	288.5
85°	72.1	90.1	81.2	112.7	193.9	202.8	202.8	193.9	189.3	180.4	184.8
87.5°	22.6	40.6	49.6	63.1	99.2	103.7	108.2	108.2	108.2	112.7	112.7
90°	8.3	14.8	21.4	23.1	36.3	54.0	62.8	55.8	41.8	31.3	31.3
92.5°	33.0	89.2	145.4	159.4	224.0	310.3	353.4	309.7	222.4	156.9	150.7
95°	79.3	182.0	284.9	310.5	551.4	872.5	1033.1	921.9	699.5	532.6	513.7
97.5°	137.1	227.8	318.4	341.1	742.7	1278.2	1545.9	1475.6	1335.0	1229.6	1193.6
100°	181.7	263.9	346.1	366.7	812.3	1406.5	1703.6	1708.8	1719.1	1726.8	1683.9
102.5°	219.7	296.4	373.0	392.2	844.2	1446.9	1748.3	1837.8	2016.9	2151.3	2114.6
105°	284.1	349.1	414.0	430.2	867.9	1451.5	1743.3	1944.1	2345.7	2646.8	2627.1
107.5°	350.1	410.7	471.3	486.4	872.4	1387.0	1644.2	1924.3	2484.4	2904.4	2909.2
110°	394.7	449.4	504.1	517.8	865.7	1329.7	1561.6	1874.7	2500.9	2970.4	2991.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	438.5	490.6	542.7	555.8	866.1	1279.7	1486.5	1806.9	2447.8	2928.4	2959.9
115°	504.6	552.6	600.7	612.7	874.0	1222.3	1396.5	1705.1	2322.5	2785.5	2829.3
117.5°	569.8	613.5	657.1	668.0	890.2	1186.4	1334.5	1613.1	2170.2	2588.1	2636.6
120°	607.8	649.0	690.0	700.3	903.5	1174.3	1309.7	1564.2	2073.3	2455.1	2502.3
122.5°	645.0	686.4	727.9	738.3	922.5	1168.0	1290.7	1519.9	1978.4	2322.2	2368.7
125°	702.0	739.8	777.6	787.0	948.0	1162.7	1270.1	1464.8	1854.2	2146.3	2189.2
127.5°	748.2	786.4	824.6	834.1	973.7	1159.7	1252.8	1420.0	1754.3	2005.1	2041.2
130°	773.0	814.1	855.1	865.4	992.3	1161.5	1246.1	1395.0	1692.6	1915.9	1949.2
132.5°	798.6	839.7	880.7	891.0	1007.4	1162.7	1240.4	1373.6	1640.0	1839.9	1869.9
135°	836.6	874.0	911.4	920.8	1024.0	1161.7	1230.5	1342.0	1565.2	1732.6	1758.3
137.5°	875.4	912.4	949.5	958.8	1048.8	1168.8	1228.8	1323.1	1511.8	1653.3	1674.4
140°	907.5	941.6	975.8	984.3	1063.9	1170.0	1223.0	1304.6	1467.5	1589.7	1609.4
142.5°	932.3	963.9	995.4	1003.4	1076.6	1174.2	1223.0	1294.6	1437.8	1545.1	1562.1
145°	970.3	997.8	1025.4	1032.3	1093.1	1174.2	1214.8	1273.3	1390.4	1478.3	1491.1
147.5°	1008.3	1035.1	1062.0	1068.6	1117.4	1182.3	1214.8	1260.9	1353.0	1422.0	1432.7
150°	1033.1	1057.3	1081.6	1087.6	1130.0	1186.5	1214.8	1253.7	1331.5	1389.8	1398.4
152.5°	1058.7	1077.1	1095.3	1100.0	1138.2	1189.3	1214.8	1248.0	1314.4	1364.2	1370.7
155°	1096.7	1110.3	1123.9	1127.2	1156.4	1195.3	1214.8	1241.2	1294.1	1333.7	1338.0
157.5°	1124.7	1138.0	1151.2	1154.5	1174.6	1201.4	1214.8	1235.3	1276.4	1307.2	1310.2
160°	1143.7	1154.0	1164.3	1166.9	1182.9	1204.1	1214.8	1232.4	1267.6	1294.1	1295.9
162.5°	1162.7	1170.5	1178.1	1180.1	1191.6	1207.1	1214.8	1229.6	1259.4	1281.7	1283.3
165°	1183.4	1190.4	1197.3	1199.1	1204.3	1211.3	1214.8	1225.4	1246.7	1262.6	1264.4
167.5°	1202.4	1205.6	1209.0	1209.8	1214.3	1220.1	1223.0	1230.0	1243.9	1254.4	1255.1
170°	1214.8	1218.1	1221.4	1222.2	1222.5	1222.9	1223.0	1230.0	1243.9	1254.4	1254.4
172.5°	1221.4	1222.1	1222.9	1223.0	1223.0	1223.0	1223.0	1228.5	1239.6	1247.8	1247.2
175°	1230.5	1230.5	1230.5	1230.5	1228.0	1224.7	1223.0	1226.5	1233.5	1238.8	1238.8
177.5°	1230.5	1230.5	1230.5	1230.5	1228.5	1226.0	1224.7	1227.5	1233.0	1237.1	1236.4
180°	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4886.7	4873.2	4886.7	4877.7	4882.2	4868.6	4828.1	4814.6	4828.1	4841.6	4841.6
5°	4945.3	4936.3	4945.3	4945.3	4940.8	4931.8	4886.7	4877.7	4886.7	4891.2	4882.2
7.5°	4963.3	4949.8	4963.3	4954.3	4954.3	4945.3	4900.3	4891.2	4895.7	4909.2	4895.7
10°	4963.3	4949.8	4963.3	4958.9	4954.3	4945.3	4900.3	4882.2	4882.2	4895.7	4882.2
12.5°	4940.8	4931.8	4940.8	4931.8	4931.8	4922.7	4877.7	4859.7	4864.1	4868.6	4850.6
15°	4904.7	4891.2	4904.7	4895.7	4900.3	4886.7	4837.1	4819.1	4819.1	4828.1	4796.5
17.5°	4850.6	4832.6	4850.6	4846.1	4841.6	4832.6	4787.5	4769.4	4765.0	4769.4	4747.0
20°	4787.5	4774.0	4787.5	4783.0	4783.0	4765.0	4719.9	4697.3	4697.3	4697.3	4674.8
22.5°	4688.4	4674.8	4688.4	4697.3	4697.3	4692.8	4652.2	4620.7	4611.7	4611.7	4584.7
25°	4575.6	4562.1	4575.6	4575.6	4571.2	4575.6	4562.1	4544.1	4530.6	4517.1	4490.0
27.5°	4467.4	4458.5	4467.4	4458.5	4467.4	4453.9	4449.4	4444.9	4426.9	4413.4	4377.3
30°	4359.3	4350.2	4359.3	4350.2	4341.3	4332.2	4309.6	4300.7	4318.7	4309.6	4251.0
32.5°	4224.0	4215.0	4224.0	4224.0	4215.0	4215.0	4178.9	4165.4	4170.0	4197.0	4142.9
35°	4084.3	4070.8	4084.3	4079.7	4084.3	4070.8	4048.2	4043.7	4025.7	4057.2	4016.6
37.5°	3921.9	3908.4	3921.9	3921.9	3921.9	3931.0	3913.0	3899.5	3872.4	3913.0	3881.4
40°	3755.2	3737.1	3755.2	3750.6	3755.2	3764.2	3755.2	3746.2	3719.1	3750.6	3723.7
42.5°	3565.9	3561.3	3565.9	3570.4	3570.4	3588.4	3601.9	3583.9	3574.8	3552.4	3570.4
45°	3362.9	3354.0	3362.9	3372.0	3376.5	3385.5	3426.1	3426.1	3412.6	3376.5	3403.5
47.5°	3146.6	3124.1	3146.6	3173.6	3173.6	3187.2	3227.7	3259.3	3236.8	3191.6	3205.2
50°	2916.7	2921.2	2916.7	2934.8	2934.8	2984.3	3015.8	3047.4	3070.0	3015.8	2952.8
52.5°	2691.3	2686.8	2691.3	2704.8	2722.9	2745.3	2799.5	2831.0	2867.1	2835.6	2736.4
55°	2465.9	2474.9	2465.9	2470.4	2479.4	2493.0	2574.0	2605.7	2673.2	2632.7	2529.0
57.5°	2240.5	2226.9	2240.5	2249.5	2254.0	2267.5	2335.2	2393.8	2434.4	2438.8	2312.6
60°	1979.0	1961.0	1979.0	2019.6	2028.6	2037.6	2100.7	2154.8	2190.9	2204.5	2073.7
62.5°	1749.1	1717.6	1749.1	1776.2	1794.2	1816.8	1861.8	1942.9	1974.5	1979.0	1794.2
65°	1505.7	1492.2	1505.7	1559.8	1564.3	1591.3	1640.9	1699.5	1767.1	1758.2	1492.2
67.5°	1284.8	1284.8	1284.8	1320.8	1347.9	1361.4	1424.5	1451.6	1537.2	1546.3	1244.2
70°	1081.9	1077.4	1081.9	1108.9	1127.0	1158.6	1217.2	1248.7	1316.4	1338.8	1009.8
72.5°	888.1	883.6	888.1	910.6	928.7	955.7	1005.3	1041.4	1100.0	1127.0	784.4
75°	716.8	707.7	716.8	734.8	730.3	766.3	806.9	843.0	897.1	915.1	581.6
77.5°	549.9	549.9	549.9	568.1	568.1	604.1	622.1	667.2	698.8	725.8	428.3
80°	410.3	405.7	410.3	414.7	414.7	432.8	464.3	495.9	522.9	522.9	293.0
82.5°	288.5	279.5	288.5	288.5	288.5	297.6	315.6	324.6	342.6	356.2	184.8
85°	180.4	180.4	180.4	184.8	180.4	189.3	193.9	202.8	202.8	193.9	112.7
87.5°	117.2	112.7	117.2	112.7	112.7	108.2	108.2	108.2	103.7	99.2	63.1
90°	31.3	31.3	31.3	31.3	31.3	41.8	55.8	62.8	54.0	36.3	23.1
92.5°	125.7	100.8	125.7	150.7	156.9	222.4	309.7	353.4	310.3	224.0	159.4
95°	438.1	362.6	438.1	513.7	532.6	699.5	921.9	1033.1	872.5	551.4	310.5
97.5°	1049.8	905.9	1049.8	1193.6	1229.6	1335.0	1475.6	1545.9	1278.2	742.7	341.1
100°	1512.5	1341.1	1512.5	1683.9	1726.8	1719.1	1708.8	1703.6	1406.5	812.3	366.7
102.5°	1967.7	1820.9	1967.7	2114.6	2151.3	2016.9	1837.8	1748.3	1446.9	844.2	392.2
105°	2548.1	2469.2	2548.1	2627.1	2646.8	2345.7	1944.1	1743.3	1451.5	867.9	430.2
107.5°	2928.3	2947.4	2928.3	2909.2	2904.4	2484.4	1924.3	1644.2	1387.0	872.4	486.4
110°	3073.2	3155.4	3073.2	2991.0	2970.4	2500.9	1874.7	1561.6	1329.7	865.7	517.8





TEST NUMBER: P934973

CATALOG NUMBER: SQ4-FA-075U-125D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3086.2	3212.4	3086.2	2959.9	2928.4	2447.8	1806.9	1486.5	1279.7	866.1	555.8
115°	3004.3	3179.4	3004.3	2829.3	2785.5	2322.5	1705.1	1396.5	1222.3	874.0	612.7
117.5°	2830.8	3025.0	2830.8	2636.6	2588.1	2170.2	1613.1	1334.5	1186.4	890.2	668.0
120°	2691.0	2879.6	2691.0	2502.3	2455.1	2073.3	1564.2	1309.7	1174.3	903.5	700.3
122.5°	2554.8	2740.9	2554.8	2368.7	2322.2	1978.4	1519.9	1290.7	1168.0	922.5	738.3
125°	2360.6	2532.0	2360.6	2189.2	2146.3	1854.2	1464.8	1270.1	1162.7	948.0	787.0
127.5°	2185.9	2330.5	2185.9	2041.2	2005.1	1754.3	1420.0	1252.8	1159.7	973.7	834.1
130°	2082.9	2216.5	2082.9	1949.2	1915.9	1692.6	1395.0	1246.1	1161.5	992.3	865.4
132.5°	1989.5	2109.2	1989.5	1869.9	1839.9	1640.0	1373.6	1240.4	1162.7	1007.4	891.0
135°	1861.5	1964.6	1861.5	1758.3	1732.6	1565.2	1342.0	1230.5	1161.7	1024.0	920.8
137.5°	1758.8	1843.2	1758.8	1674.4	1653.3	1511.8	1323.1	1228.8	1168.8	1048.8	958.8
140°	1688.4	1767.2	1688.4	1609.4	1589.7	1467.5	1304.6	1223.0	1170.0	1063.9	984.3
142.5°	1630.0	1697.9	1630.0	1562.1	1545.1	1437.8	1294.6	1223.0	1174.2	1076.6	1003.4
145°	1542.5	1593.8	1542.5	1491.1	1478.3	1390.4	1273.3	1214.8	1174.2	1093.1	1032.3
147.5°	1475.2	1517.9	1475.2	1432.7	1422.0	1353.0	1260.9	1214.8	1182.3	1117.4	1068.6
150°	1433.0	1467.5	1433.0	1398.4	1389.8	1331.5	1253.7	1214.8	1186.5	1130.0	1087.6
152.5°	1396.8	1422.8	1396.8	1370.7	1364.2	1314.4	1248.0	1214.8	1189.3	1138.2	1100.0
155°	1355.3	1372.5	1355.3	1338.0	1333.7	1294.1	1241.2	1214.8	1195.3	1156.4	1127.2
157.5°	1322.4	1334.5	1322.4	1310.2	1307.2	1276.4	1235.3	1214.8	1201.4	1174.6	1154.5
160°	1302.8	1309.7	1302.8	1295.9	1294.1	1267.6	1232.4	1214.8	1204.1	1182.9	1166.9
162.5°	1289.9	1296.6	1289.9	1283.3	1281.7	1259.4	1229.6	1214.8	1207.1	1191.6	1180.1
165°	1271.3	1278.4	1271.3	1264.4	1262.6	1246.7	1225.4	1214.8	1211.3	1204.3	1199.1
167.5°	1258.1	1261.0	1258.1	1255.1	1254.4	1243.9	1230.0	1223.0	1220.1	1214.3	1209.8
170°	1254.4	1254.4	1254.4	1254.4	1254.4	1243.9	1230.0	1223.0	1222.9	1222.5	1222.2
172.5°	1244.6	1242.0	1244.6	1247.2	1247.8	1239.6	1228.5	1223.0	1223.0	1223.0	1223.0
175°	1238.8	1238.8	1238.8	1238.8	1238.8	1233.5	1226.5	1223.0	1224.7	1228.0	1230.5
177.5°	1233.4	1230.5	1233.4	1236.4	1237.1	1233.0	1227.5	1224.7	1226.0	1228.5	1230.5
180°	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5



TEST NUMBER: P934973

CATALOG NUMBER: SQ4-FA-075U-125D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4832.6	4805.6	4805.6	4760.5	4742.5	4729.0	4706.4	4638.7	4620.7	4602.7	4629.8
5°	4873.2	4823.6	4787.5	4706.4	4638.7	4611.7	4526.0	4363.7	4255.6	4174.4	4129.4
7.5°	4882.2	4819.1	4751.4	4625.2	4462.9	4390.8	4129.4	3831.8	3750.6	3678.5	3633.4
10°	4873.2	4801.1	4706.4	4517.1	4133.8	4007.6	3746.2	3552.4	3502.7	3489.2	3502.7
12.5°	4841.6	4774.0	4643.3	4327.7	3791.2	3705.6	3552.4	3439.6	3430.6	3453.2	3574.8
15°	4787.5	4724.4	4571.2	4075.2	3601.9	3538.8	3430.6	3390.0	3439.6	3597.4	3962.5
17.5°	4733.4	4661.3	4472.0	3827.3	3457.7	3412.6	3335.9	3417.1	3696.6	3908.4	4030.2
20°	4661.3	4575.6	4359.3	3647.0	3354.0	3313.4	3277.3	3642.5	3854.4	3931.0	3998.6
22.5°	4575.6	4485.5	4206.0	3520.7	3245.8	3214.2	3236.8	3768.7	3854.4	3908.4	3967.1
25°	4462.9	4386.3	4025.7	3421.6	3160.1	3124.1	3209.7	3755.2	3804.7	3818.3	3935.5
27.5°	4359.3	4260.1	3836.3	3331.4	3056.4	3042.9	3232.2	3696.6	3732.6	3746.2	3872.4
30°	4233.0	4084.3	3624.5	3236.8	2948.2	2943.7	3236.8	3624.5	3615.4	3651.5	3777.7
32.5°	4102.3	3822.8	3385.5	3119.5	2844.5	2840.1	3205.2	3516.2	3507.2	3556.8	3651.5
35°	3980.5	3619.9	3060.9	2984.3	2713.8	2718.3	3128.6	3390.0	3394.6	3439.6	3498.2
37.5°	3854.4	3444.1	2704.8	2835.6	2587.6	2587.6	3024.9	3272.8	3263.8	3277.3	3358.5
40°	3705.6	3169.1	2389.3	2641.7	2470.4	2456.8	2898.7	3146.6	3115.0	3110.6	3223.3
42.5°	3547.8	2867.1	2154.8	2384.7	2335.2	2317.1	2745.3	2993.4	2934.8	2948.2	3092.5
45°	3376.5	2785.9	1974.5	2015.0	2195.4	2181.9	2578.6	2817.5	2777.0	2813.0	2961.7
47.5°	3205.2	2623.7	1915.9	1672.5	2046.7	2042.1	2393.8	2646.2	2623.7	2659.7	2817.5
50°	2970.8	2443.3	1911.4	1433.6	1879.8	1897.8	2172.8	2479.4	2479.4	2511.0	2677.8
52.5°	2668.7	2222.5	1735.6	1298.3	1686.0	1740.1	1979.0	2335.2	2344.1	2375.8	2524.5
55°	2393.8	1992.6	1609.3	1194.6	1456.1	1573.3	1789.7	2186.3	2204.5	2236.0	2371.2
57.5°	2141.3	1659.0	1582.3	1072.9	1244.2	1357.0	1622.9	2042.1	2051.2	2078.2	2208.9
60°	1870.8	1199.2	1451.6	942.2	1059.4	1145.1	1469.6	1870.8	1902.4	1920.4	2033.1
62.5°	1564.3	870.1	1316.4	852.0	969.3	987.3	1343.4	1708.5	1749.1	1762.6	1830.3
65°	1113.5	730.3	1118.0	775.4	874.6	879.0	1208.1	1541.7	1577.8	1600.4	1649.9
67.5°	752.8	595.0	852.0	703.2	802.4	806.9	1077.4	1347.9	1397.4	1415.6	1447.1
70°	522.9	396.7	631.1	626.6	721.3	730.3	937.6	1172.1	1217.2	1230.7	1248.7
72.5°	383.2	320.0	522.9	563.5	635.6	644.7	793.4	973.7	1018.8	1032.3	1041.4
75°	293.0	338.1	423.8	491.3	541.0	545.5	649.1	793.4	825.0	834.0	838.4
77.5°	234.4	315.6	311.1	396.7	441.8	432.8	509.4	613.1	640.2	640.2	640.2
80°	175.8	247.9	234.4	284.0	324.6	315.6	365.1	437.3	446.3	455.3	450.8
82.5°	130.7	157.8	157.8	180.4	216.4	207.3	243.4	284.0	284.0	284.0	293.0
85°	81.2	90.1	72.1	94.7	121.7	117.2	135.2	153.3	157.8	157.8	148.7
87.5°	49.6	40.6	22.6	36.1	54.1	54.1	63.1	67.6	63.1	63.1	63.1
90°	21.4	14.8	8.3	14.8	21.4	23.1	36.3	54.0	62.8	55.8	41.8
92.5°	145.4	89.2	33.0	89.2	145.4	159.4	224.0	310.3	353.4	309.7	222.4
95°	284.9	182.0	79.3	182.0	284.9	310.5	551.4	872.5	1033.1	921.9	699.5
97.5°	318.4	227.8	137.1	227.8	318.4	341.1	742.7	1278.2	1545.9	1475.6	1335.0
100°	346.1	263.9	181.7	263.9	346.1	366.7	812.3	1406.5	1703.6	1708.8	1719.1
102.5°	373.0	296.4	219.7	296.4	373.0	392.2	844.2	1446.9	1748.3	1837.8	2016.9
105°	414.0	349.1	284.1	349.1	414.0	430.2	867.9	1451.5	1743.3	1944.1	2345.7
107.5°	471.3	410.7	350.1	410.7	471.3	486.4	872.4	1387.0	1644.2	1924.3	2484.4
110°	504.1	449.4	394.7	449.4	504.1	517.8	865.7	1329.7	1561.6	1874.7	2500.9



TEST NUMBER: P934973

CATALOG NUMBER: SQ4-FA-075U-125D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	542.7	490.6	438.5	490.6	542.7	555.8	866.1	1279.7	1486.5	1806.9	2447.8
115°	600.7	552.6	504.6	552.6	600.7	612.7	874.0	1222.3	1396.5	1705.1	2322.5
117.5°	657.1	613.5	569.8	613.5	657.1	668.0	890.2	1186.4	1334.5	1613.1	2170.2
120°	690.0	649.0	607.8	649.0	690.0	700.3	903.5	1174.3	1309.7	1564.2	2073.3
122.5°	727.9	686.4	645.0	686.4	727.9	738.3	922.5	1168.0	1290.7	1519.9	1978.4
125°	777.6	739.8	702.0	739.8	777.6	787.0	948.0	1162.7	1270.1	1464.8	1854.2
127.5°	824.6	786.4	748.2	786.4	824.6	834.1	973.7	1159.7	1252.8	1420.0	1754.3
130°	855.1	814.1	773.0	814.1	855.1	865.4	992.3	1161.5	1246.1	1395.0	1692.6
132.5°	880.7	839.7	798.6	839.7	880.7	891.0	1007.4	1162.7	1240.4	1373.6	1640.0
135°	911.4	874.0	836.6	874.0	911.4	920.8	1024.0	1161.7	1230.5	1342.0	1565.2
137.5°	949.5	912.4	875.4	912.4	949.5	958.8	1048.8	1168.8	1228.8	1323.1	1511.8
140°	975.8	941.6	907.5	941.6	975.8	984.3	1063.9	1170.0	1223.0	1304.6	1467.5
142.5°	995.4	963.9	932.3	963.9	995.4	1003.4	1076.6	1174.2	1223.0	1294.6	1437.8
145°	1025.4	997.8	970.3	997.8	1025.4	1032.3	1093.1	1174.2	1214.8	1273.3	1390.4
147.5°	1062.0	1035.1	1008.3	1035.1	1062.0	1068.6	1117.4	1182.3	1214.8	1260.9	1353.0
150°	1081.6	1057.3	1033.1	1057.3	1081.6	1087.6	1130.0	1186.5	1214.8	1253.7	1331.5
152.5°	1095.3	1077.1	1058.7	1077.1	1095.3	1100.0	1138.2	1189.3	1214.8	1248.0	1314.4
155°	1123.9	1110.3	1096.7	1110.3	1123.9	1127.2	1156.4	1195.3	1214.8	1241.2	1294.1
157.5°	1151.2	1138.0	1124.7	1138.0	1151.2	1154.5	1174.6	1201.4	1214.8	1235.3	1276.4
160°	1164.3	1154.0	1143.7	1154.0	1164.3	1166.9	1182.9	1204.1	1214.8	1232.4	1267.6
162.5°	1178.1	1170.5	1162.7	1170.5	1178.1	1180.1	1191.6	1207.1	1214.8	1229.6	1259.4
165°	1197.3	1190.4	1183.4	1190.4	1197.3	1199.1	1204.3	1211.3	1214.8	1225.4	1246.7
167.5°	1209.0	1205.6	1202.4	1205.6	1209.0	1209.8	1214.3	1220.1	1223.0	1230.0	1243.9
170°	1221.4	1218.1	1214.8	1218.1	1221.4	1222.2	1222.5	1222.9	1223.0	1230.0	1243.9
172.5°	1222.9	1222.1	1221.4	1222.1	1222.9	1223.0	1223.0	1223.0	1223.0	1228.5	1239.6
175°	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1228.0	1224.7	1223.0	1226.5	1233.5
177.5°	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1228.5	1226.0	1224.7	1227.5	1233.0
180°	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5



TEST NUMBER: P934973

CATALOG NUMBER: SQ4-FA-075U-125D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4598.2	4584.7	4602.7	4553.1	4602.7	4584.7	4598.2	4629.8	4602.7	4620.7	4638.7
5°	4034.7	4012.2	3940.0	3881.4	3940.0	4012.2	4034.7	4129.4	4174.4	4255.6	4363.7
7.5°	3606.4	3588.4	3570.4	3534.3	3570.4	3588.4	3606.4	3633.4	3678.5	3750.6	3831.8
10°	3511.8	3516.2	3543.3	3538.8	3543.3	3516.2	3511.8	3502.7	3489.2	3502.7	3552.4
12.5°	3755.2	3795.8	3944.5	3935.5	3944.5	3795.8	3755.2	3574.8	3453.2	3430.6	3439.6
15°	4034.7	4048.2	4079.7	4084.3	4079.7	4048.2	4034.7	3962.5	3597.4	3439.6	3390.0
17.5°	4061.7	4066.2	4088.8	4088.8	4088.8	4066.2	4061.7	4030.2	3908.4	3696.6	3417.1
20°	4039.2	4048.2	4093.3	4102.3	4093.3	4048.2	4039.2	3998.6	3931.0	3854.4	3642.5
22.5°	4030.2	4048.2	4084.3	4079.7	4084.3	4048.2	4030.2	3967.1	3908.4	3854.4	3768.7
25°	3985.1	3985.1	3989.6	3994.1	3989.6	3985.1	3985.1	3935.5	3818.3	3804.7	3755.2
27.5°	3890.4	3899.5	3926.5	3921.9	3926.5	3899.5	3890.4	3872.4	3746.2	3732.6	3696.6
30°	3804.7	3795.8	3773.2	3755.2	3773.2	3795.8	3804.7	3777.7	3651.5	3615.4	3624.5
32.5°	3660.5	3638.0	3615.4	3601.9	3615.4	3638.0	3660.5	3651.5	3556.8	3507.2	3516.2
35°	3489.2	3493.7	3489.2	3475.7	3489.2	3493.7	3489.2	3498.2	3439.6	3394.6	3390.0
37.5°	3367.5	3376.5	3372.0	3354.0	3372.0	3376.5	3367.5	3358.5	3277.3	3263.8	3272.8
40°	3241.3	3245.8	3241.3	3227.7	3241.3	3245.8	3241.3	3223.3	3110.6	3115.0	3146.6
42.5°	3119.5	3115.0	3101.5	3092.5	3101.5	3115.0	3119.5	3092.5	2948.2	2934.8	2993.4
45°	2979.8	2984.3	2957.2	2943.7	2957.2	2984.3	2979.8	2961.7	2813.0	2777.0	2817.5
47.5°	2840.1	2840.1	2817.5	2803.9	2817.5	2840.1	2840.1	2817.5	2659.7	2623.7	2646.2
50°	2691.3	2686.8	2655.2	2650.7	2655.2	2686.8	2691.3	2677.8	2511.0	2479.4	2479.4
52.5°	2520.0	2520.0	2524.5	2533.5	2524.5	2520.0	2520.0	2524.5	2375.8	2344.1	2335.2
55°	2371.2	2375.8	2407.3	2416.3	2407.3	2375.8	2371.2	2371.2	2236.0	2204.5	2186.3
57.5°	2218.0	2218.0	2240.5	2240.5	2240.5	2218.0	2218.0	2208.9	2078.2	2051.2	2042.1
60°	2042.1	2051.2	2069.2	2064.7	2069.2	2051.2	2042.1	2033.1	1920.4	1902.4	1870.8
62.5°	1857.3	1866.3	1870.8	1861.8	1870.8	1866.3	1857.3	1830.3	1762.6	1749.1	1708.5
65°	1663.5	1672.5	1677.0	1667.9	1677.0	1672.5	1663.5	1649.9	1600.4	1577.8	1541.7
67.5°	1465.1	1460.6	1456.1	1474.1	1456.1	1460.6	1465.1	1447.1	1415.6	1397.4	1347.9
70°	1262.2	1262.2	1257.8	1266.7	1257.8	1262.2	1262.2	1248.7	1230.7	1217.2	1172.1
72.5°	1045.9	1041.4	1059.4	1045.9	1059.4	1041.4	1045.9	1041.4	1032.3	1018.8	973.7
75°	834.0	843.0	834.0	847.5	834.0	843.0	834.0	838.4	834.0	825.0	793.4
77.5°	635.6	644.7	635.6	635.6	635.6	644.7	635.6	640.2	640.2	640.2	613.1
80°	450.8	446.3	446.3	441.8	446.3	446.3	450.8	450.8	455.3	446.3	437.3
82.5°	288.5	284.0	284.0	293.0	284.0	284.0	288.5	293.0	284.0	284.0	284.0
85°	157.8	162.3	153.3	153.3	153.3	162.3	157.8	148.7	157.8	157.8	153.3
87.5°	58.6	54.1	54.1	54.1	54.1	54.1	58.6	63.1	63.1	63.1	67.6
90°	31.3	31.3	31.3	31.3	31.3	31.3	31.3	41.8	55.8	62.8	54.0
92.5°	156.9	150.7	125.7	100.8	125.7	150.7	156.9	222.4	309.7	353.4	310.3
95°	532.6	513.7	438.1	362.6	438.1	513.7	532.6	699.5	921.9	1033.1	872.5
97.5°	1229.6	1193.6	1049.8	905.9	1049.8	1193.6	1229.6	1335.0	1475.6	1545.9	1278.2
100°	1726.8	1683.9	1512.5	1341.1	1512.5	1683.9	1726.8	1719.1	1708.8	1703.6	1406.5
102.5°	2151.3	2114.6	1967.7	1820.9	1967.7	2114.6	2151.3	2016.9	1837.8	1748.3	1446.9
105°	2646.8	2627.1	2548.1	2469.2	2548.1	2627.1	2646.8	2345.7	1944.1	1743.3	1451.5
107.5°	2904.4	2909.2	2928.3	2947.4	2928.3	2909.2	2904.4	2484.4	1924.3	1644.2	1387.0
110°	2970.4	2991.0	3073.2	3155.4	3073.2	2991.0	2970.4	2500.9	1874.7	1561.6	1329.7



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2928.4	2959.9	3086.2	3212.4	3086.2	2959.9	2928.4	2447.8	1806.9	1486.5	1279.7
115°	2785.5	2829.3	3004.3	3179.4	3004.3	2829.3	2785.5	2322.5	1705.1	1396.5	1222.3
117.5°	2588.1	2636.6	2830.8	3025.0	2830.8	2636.6	2588.1	2170.2	1613.1	1334.5	1186.4
120°	2455.1	2502.3	2691.0	2879.6	2691.0	2502.3	2455.1	2073.3	1564.2	1309.7	1174.3
122.5°	2322.2	2368.7	2554.8	2740.9	2554.8	2368.7	2322.2	1978.4	1519.9	1290.7	1168.0
125°	2146.3	2189.2	2360.6	2532.0	2360.6	2189.2	2146.3	1854.2	1464.8	1270.1	1162.7
127.5°	2005.1	2041.2	2185.9	2330.5	2185.9	2041.2	2005.1	1754.3	1420.0	1252.8	1159.7
130°	1915.9	1949.2	2082.9	2216.5	2082.9	1949.2	1915.9	1692.6	1395.0	1246.1	1161.5
132.5°	1839.9	1869.9	1989.5	2109.2	1989.5	1869.9	1839.9	1640.0	1373.6	1240.4	1162.7
135°	1732.6	1758.3	1861.5	1964.6	1861.5	1758.3	1732.6	1565.2	1342.0	1230.5	1161.7
137.5°	1653.3	1674.4	1758.8	1843.2	1758.8	1674.4	1653.3	1511.8	1323.1	1228.8	1168.8
140°	1589.7	1609.4	1688.4	1767.2	1688.4	1609.4	1589.7	1467.5	1304.6	1223.0	1170.0
142.5°	1545.1	1562.1	1630.0	1697.9	1630.0	1562.1	1545.1	1437.8	1294.6	1223.0	1174.2
145°	1478.3	1491.1	1542.5	1593.8	1542.5	1491.1	1478.3	1390.4	1273.3	1214.8	1174.2
147.5°	1422.0	1432.7	1475.2	1517.9	1475.2	1432.7	1422.0	1353.0	1260.9	1214.8	1182.3
150°	1389.8	1398.4	1433.0	1467.5	1433.0	1398.4	1389.8	1331.5	1253.7	1214.8	1186.5
152.5°	1364.2	1370.7	1396.8	1422.8	1396.8	1370.7	1364.2	1314.4	1248.0	1214.8	1189.3
155°	1333.7	1338.0	1355.3	1372.5	1355.3	1338.0	1333.7	1294.1	1241.2	1214.8	1195.3
157.5°	1307.2	1310.2	1322.4	1334.5	1322.4	1310.2	1307.2	1276.4	1235.3	1214.8	1201.4
160°	1294.1	1295.9	1302.8	1309.7	1302.8	1295.9	1294.1	1267.6	1232.4	1214.8	1204.1
162.5°	1281.7	1283.3	1289.9	1296.6	1289.9	1283.3	1281.7	1259.4	1229.6	1214.8	1207.1
165°	1262.6	1264.4	1271.3	1278.4	1271.3	1264.4	1262.6	1246.7	1225.4	1214.8	1211.3
167.5°	1254.4	1255.1	1258.1	1261.0	1258.1	1255.1	1254.4	1243.9	1230.0	1223.0	1220.1
170°	1254.4	1254.4	1254.4	1254.4	1254.4	1254.4	1254.4	1243.9	1230.0	1223.0	1222.9
172.5°	1247.8	1247.2	1244.6	1242.0	1244.6	1247.2	1247.8	1239.6	1228.5	1223.0	1223.0
175°	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1233.5	1226.5	1223.0	1224.7
177.5°	1237.1	1236.4	1233.4	1230.5	1233.4	1236.4	1237.1	1233.0	1227.5	1224.7	1226.0
180°	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4706.4	4729.0	4742.5	4760.5	4805.6
5°	4526.0	4611.7	4638.7	4706.4	4787.5
7.5°	4129.4	4390.8	4462.9	4625.2	4751.4
10°	3746.2	4007.6	4133.8	4517.1	4706.4
12.5°	3552.4	3705.6	3791.2	4327.7	4643.3
15°	3430.6	3538.8	3601.9	4075.2	4571.2
17.5°	3335.9	3412.6	3457.7	3827.3	4472.0
20°	3277.3	3313.4	3354.0	3647.0	4359.3
22.5°	3236.8	3214.2	3245.8	3520.7	4206.0
25°	3209.7	3124.1	3160.1	3421.6	4025.7
27.5°	3232.2	3042.9	3056.4	3331.4	3836.3
30°	3236.8	2943.7	2948.2	3236.8	3624.5
32.5°	3205.2	2840.1	2844.5	3119.5	3385.5
35°	3128.6	2718.3	2713.8	2984.3	3060.9
37.5°	3024.9	2587.6	2587.6	2835.6	2704.8
40°	2898.7	2456.8	2470.4	2641.7	2389.3
42.5°	2745.3	2317.1	2335.2	2384.7	2154.8
45°	2578.6	2181.9	2195.4	2015.0	1974.5
47.5°	2393.8	2042.1	2046.7	1672.5	1915.9
50°	2172.8	1897.8	1879.8	1433.6	1911.4
52.5°	1979.0	1740.1	1686.0	1298.3	1735.6
55°	1789.7	1573.3	1456.1	1194.6	1609.3
57.5°	1622.9	1357.0	1244.2	1072.9	1582.3
60°	1469.6	1145.1	1059.4	942.2	1451.6
62.5°	1343.4	987.3	969.3	852.0	1316.4
65°	1208.1	879.0	874.6	775.4	1118.0
67.5°	1077.4	806.9	802.4	703.2	852.0
70°	937.6	730.3	721.3	626.6	631.1
72.5°	793.4	644.7	635.6	563.5	522.9
75°	649.1	545.5	541.0	491.3	423.8
77.5°	509.4	432.8	441.8	396.7	311.1
80°	365.1	315.6	324.6	284.0	234.4
82.5°	243.4	207.3	216.4	180.4	157.8
85°	135.2	117.2	121.7	94.7	72.1
87.5°	63.1	54.1	54.1	36.1	22.6
90°	36.3	23.1	21.4	14.8	8.3
92.5°	224.0	159.4	145.4	89.2	33.0
95°	551.4	310.5	284.9	182.0	79.3
97.5°	742.7	341.1	318.4	227.8	137.1
100°	812.3	366.7	346.1	263.9	181.7
102.5°	844.2	392.2	373.0	296.4	219.7
105°	867.9	430.2	414.0	349.1	284.1
107.5°	872.4	486.4	471.3	410.7	350.1
110°	865.7	517.8	504.1	449.4	394.7



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	866.1	555.8	542.7	490.6	438.5
115°	874.0	612.7	600.7	552.6	504.6
117.5°	890.2	668.0	657.1	613.5	569.8
120°	903.5	700.3	690.0	649.0	607.8
122.5°	922.5	738.3	727.9	686.4	645.0
125°	948.0	787.0	777.6	739.8	702.0
127.5°	973.7	834.1	824.6	786.4	748.2
130°	992.3	865.4	855.1	814.1	773.0
132.5°	1007.4	891.0	880.7	839.7	798.6
135°	1024.0	920.8	911.4	874.0	836.6
137.5°	1048.8	958.8	949.5	912.4	875.4
140°	1063.9	984.3	975.8	941.6	907.5
142.5°	1076.6	1003.4	995.4	963.9	932.3
145°	1093.1	1032.3	1025.4	997.8	970.3
147.5°	1117.4	1068.6	1062.0	1035.1	1008.3
150°	1130.0	1087.6	1081.6	1057.3	1033.1
152.5°	1138.2	1100.0	1095.3	1077.1	1058.7
155°	1156.4	1127.2	1123.9	1110.3	1096.7
157.5°	1174.6	1154.5	1151.2	1138.0	1124.7
160°	1182.9	1166.9	1164.3	1154.0	1143.7
162.5°	1191.6	1180.1	1178.1	1170.5	1162.7
165°	1204.3	1199.1	1197.3	1190.4	1183.4
167.5°	1214.3	1209.8	1209.0	1205.6	1202.4
170°	1222.5	1222.2	1221.4	1218.1	1214.8
172.5°	1223.0	1223.0	1222.9	1222.1	1221.4
175°	1228.0	1230.5	1230.5	1230.5	1230.5
177.5°	1228.5	1230.5	1230.5	1230.5	1230.5
180°	1230.5	1230.5	1230.5	1230.5	1230.5



TEST NUMBER: P934973  
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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	15.10	16.07	15.96	16.95	18.06	17.95	18.92	18.81	19.80	20.91
	3H	15.58	16.45	16.45	17.34	18.48	19.31	20.18	20.18	21.07	22.20
	4H	15.78	16.60	16.67	17.50	18.64	19.76	20.58	20.65	21.48	22.62
	6H	15.90	16.66	16.80	17.56	18.72	20.06	20.81	20.96	21.72	22.88
	8H	15.91	16.63	16.82	17.55	18.71	20.14	20.86	21.05	21.78	22.94
	12H	15.88	16.57	16.80	17.48	18.67	20.19	20.87	21.10	21.78	22.97
4H	2H	16.15	16.97	17.04	17.86	19.01	18.37	19.19	19.26	20.09	21.23
	3H	17.19	17.87	18.09	18.80	19.96	19.89	20.58	20.80	21.50	22.66
	4H	17.47	18.09	18.38	19.01	20.20	20.43	21.05	21.34	21.98	23.16
	6H	17.60	18.13	18.53	19.08	20.27	20.81	21.34	21.74	22.29	23.48
	8H	17.61	18.11	18.54	19.05	20.25	20.92	21.42	21.85	22.36	23.56
	12H	17.58	18.03	18.53	18.99	20.20	20.98	21.44	21.94	22.40	23.60
8H	4H	17.93	18.43	18.86	19.38	20.58	20.56	21.06	21.49	22.01	23.21
	6H	18.20	18.61	19.16	19.60	20.80	21.01	21.42	21.97	22.41	23.61
	8H	18.24	18.61	19.21	19.58	20.80	21.17	21.53	22.13	22.51	23.72
	12H	18.23	18.55	19.20	19.52	20.79	21.27	21.60	22.24	22.56	23.83
12H	4H	17.94	18.40	18.90	19.36	20.56	20.53	20.98	21.48	21.94	23.15
	6H	18.26	18.63	19.23	19.60	20.82	21.01	21.37	21.97	22.35	23.57
	8H	18.33	18.66	19.30	19.62	20.89	21.18	21.50	22.15	22.47	23.73