

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: P934969

Luminaire Tested: SQ4-FA-075U-125D-935-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

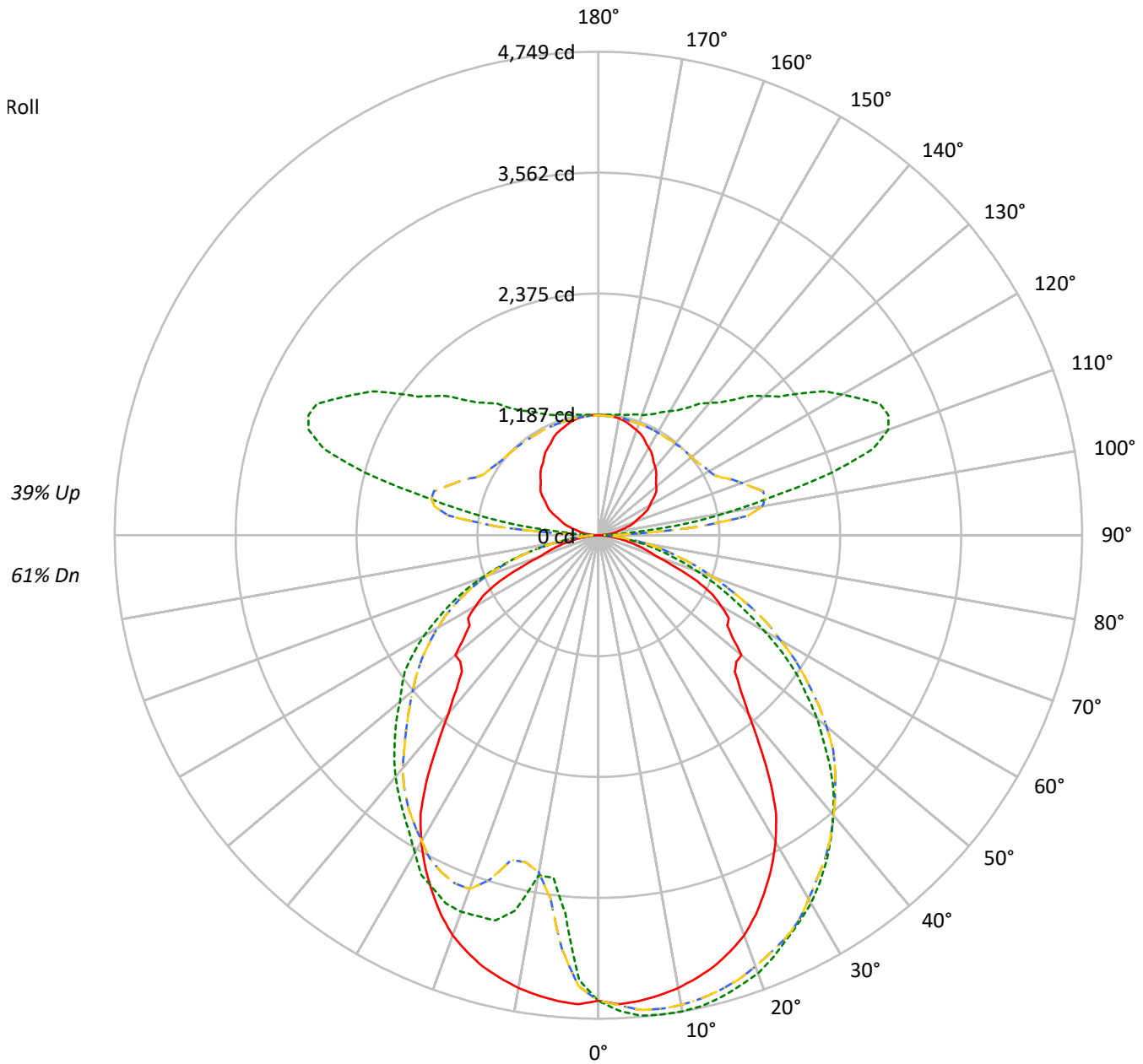
Test Method: LM-79-2019  
Report Number: P934969  
REPORT IS A COMBINATION OF REPORTS P933717 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-125D-935-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19511.6 lumens  
Efficiency: N/A  
Efficacy: 104.9 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



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



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

RF	20				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°	14141	14141	14141	14141
5°	14252	14275	14252	11224
10°	14162	14061	14162	10053
15°	14013	13757	14013	11487
20°	13726	13396	13726	11511
25°	13131	12869	13131	11267
30°	12361	12432	12361	10732
35°	11025	11879	11025	10143
40°	9192	11229	9192	9698
45°	8218	10467	8218	9187
50°	8738	9558	8738	8673
55°	8229	8580	8229	8377
60°	8493	7287	8493	7672
65°	7713	6024	7713	6733
70°	5353	4800	5353	5644
75°	4713	3548	4713	4249
80°	3825	2346	3825	2555
85°	2242	1242	2242	1056

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 12588 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	412.7	2.1
10°-20°	1171.7	6.0
20°-30°	1811.3	9.3
30°-40°	2162.3	11.1
40°-50°	2175.0	11.1
50°-60°	1892.5	9.7
60°-70°	1341.8	6.9
70°-80°	709.9	3.6
80°-90°	181.3	0.9
90°-100°	575.5	2.9
100°-110°	1513.0	7.8
110°-120°	1568.8	8.0
120°-130°	1258.4	6.4
130°-140°	987.4	5.1
140°-150°	757.8	3.9
150°-160°	545.8	2.8
160°-170°	333.9	1.7
170°-180°	112.8	0.6
0°-30°	3395.7	17.4
0°-40°	5558.0	28.5
0°-60°	9625.4	49.3
0°-90°	11858.4	60.8
90°-120°	3657.2	18.7
90°-150°	6660.7	34.1
90°-180°	7653.0	39.2
0°-180°	19511.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4572	4572	4572	4572	4572	
5°	4593	4736	4593	3724	4593	436
15°	4386	4693	4386	3919	4386	1234
25°	3862	4377	3862	3832	3862	1773
35°	2937	3906	2937	3335	2937	1817
45°	1894	3218	1894	2824	1894	1518
55°	1544	2375	1544	2318	1544	1419
65°	1073	1432	1073	1600	1073	1025
75°	407	679	407	813	407	427
85°	69	173	69	147	69	93
90°	8	30	8	30	8	9
95°	76	348	76	348	76	84
105°	273	2369	273	2369	273	289
115°	484	3050	484	3050	484	478
125°	674	2429	674	2429	674	598
135°	803	1885	803	1885	803	621
145°	931	1529	931	1529	931	583
155°	1052	1317	1052	1317	1052	483
165°	1136	1226	1136	1226	1136	320
175°	1181	1188	1181	1188	1181	112
180°	1181	1181	1181	1181	1181	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8
2.5°	4610.8	4610.8	4636.7	4645.4	4645.4	4632.3	4619.4	4632.3	4671.3	4684.3	4680.0
5°	4593.4	4628.1	4675.6	4684.3	4692.9	4688.6	4680.0	4688.6	4731.8	4740.5	4744.8
7.5°	4558.8	4623.7	4684.3	4697.2	4710.2	4697.2	4692.9	4701.6	4744.8	4753.5	4753.5
10°	4515.6	4606.4	4675.6	4684.3	4697.2	4684.3	4684.3	4701.6	4744.8	4753.5	4757.8
12.5°	4455.0	4580.4	4645.4	4654.0	4671.3	4666.9	4662.7	4680.0	4723.1	4731.8	4731.8
15°	4385.8	4532.9	4593.4	4602.1	4632.3	4623.7	4623.7	4641.0	4688.6	4701.6	4697.2
17.5°	4290.7	4472.3	4541.5	4554.5	4576.1	4571.8	4576.1	4593.4	4636.7	4645.4	4649.6
20°	4182.6	4390.1	4472.3	4485.3	4506.9	4506.9	4506.9	4528.6	4571.8	4589.1	4589.1
22.5°	4035.5	4303.6	4390.1	4398.8	4424.8	4424.8	4433.4	4463.6	4502.6	4506.9	4506.9
25°	3862.5	4208.5	4282.0	4308.0	4334.0	4346.9	4359.9	4377.2	4390.1	4385.8	4390.1
27.5°	3680.8	4087.4	4182.6	4199.8	4234.4	4247.4	4264.7	4269.0	4273.4	4286.3	4277.7
30°	3477.5	3918.7	4061.4	4078.7	4134.9	4143.6	4126.3	4134.9	4156.6	4165.3	4173.9
32.5°	3248.2	3667.9	3936.0	3974.9	4026.8	4000.9	3996.6	4009.5	4044.1	4044.1	4052.8
35°	2936.8	3473.2	3819.2	3853.8	3892.7	3862.5	3879.8	3884.1	3905.7	3918.7	3914.3
37.5°	2595.2	3304.5	3698.1	3724.1	3754.3	3715.4	3741.4	3754.3	3771.6	3762.9	3762.9
40°	2292.4	3040.6	3555.4	3572.7	3598.6	3568.3	3594.3	3602.9	3611.6	3602.9	3598.6
42.5°	2067.5	2750.9	3404.0	3425.6	3408.3	3429.9	3438.6	3455.9	3442.9	3425.6	3425.6
45°	1894.4	2673.0	3239.6	3265.5	3239.6	3274.2	3287.2	3287.2	3248.2	3239.6	3235.3
47.5°	1838.3	2517.3	3075.3	3075.3	3062.3	3105.5	3127.2	3096.8	3058.0	3045.0	3045.0
50°	1833.9	2344.3	2850.4	2833.1	2893.6	2945.5	2923.9	2893.6	2863.3	2815.8	2815.8
52.5°	1665.2	2132.4	2560.5	2625.4	2720.6	2750.9	2716.3	2686.0	2634.0	2612.5	2595.2
55°	1544.1	1911.8	2296.7	2426.5	2525.9	2564.9	2500.0	2469.7	2391.9	2378.9	2370.3
57.5°	1518.2	1591.7	2054.5	2218.9	2339.9	2335.7	2296.7	2240.5	2175.6	2162.6	2158.3
60°	1392.8	1150.5	1795.0	1989.6	2115.1	2102.1	2067.5	2015.6	1955.0	1946.4	1937.7
62.5°	1263.0	834.8	1500.9	1721.5	1898.8	1894.4	1864.2	1786.3	1743.1	1721.5	1704.2
65°	1072.7	700.7	1068.3	1431.7	1686.9	1695.5	1630.6	1574.4	1526.8	1500.9	1496.5
67.5°	817.5	570.9	722.3	1193.7	1483.6	1474.9	1392.8	1366.8	1306.2	1293.3	1267.3
70°	605.5	380.6	501.7	968.9	1284.6	1263.0	1198.1	1167.8	1111.6	1081.3	1064.0
72.5°	501.7	307.1	367.6	752.6	1081.3	1055.4	999.1	964.5	916.9	891.0	873.7
75°	406.6	324.4	281.2	558.0	878.0	860.7	808.8	774.2	735.3	700.7	705.0
77.5°	298.5	302.8	224.9	410.9	696.3	670.4	640.1	596.9	579.6	545.0	545.0
80°	224.9	237.9	168.7	281.2	501.7	501.7	475.8	445.5	415.3	397.9	397.9
82.5°	151.4	151.4	125.4	177.3	341.7	328.7	311.4	302.8	285.5	276.8	276.8
85°	69.2	86.5	77.9	108.1	186.0	194.6	194.6	186.0	181.6	173.0	177.3
87.5°	21.6	38.9	47.5	60.6	95.2	99.5	103.8	103.8	103.8	108.1	108.1
90°	7.9	14.2	20.5	22.2	34.8	51.8	60.2	53.5	40.1	30.1	30.1
92.5°	31.7	85.5	139.5	152.9	215.0	297.7	339.1	297.2	213.4	150.5	144.6
95°	76.1	174.7	273.3	297.9	529.0	837.2	991.2	884.5	671.1	511.0	492.9
97.5°	131.5	218.5	305.5	327.3	712.6	1226.4	1483.2	1415.8	1280.9	1179.8	1145.3
100°	174.3	253.2	332.1	351.8	779.4	1349.5	1634.6	1639.5	1649.4	1656.8	1615.6
102.5°	210.8	284.4	357.9	376.3	810.0	1388.2	1677.4	1763.3	1935.1	2064.1	2028.9
105°	272.6	334.9	397.2	412.8	832.7	1392.7	1672.6	1865.3	2250.6	2539.5	2520.6
107.5°	335.9	394.0	452.2	466.7	837.0	1330.7	1577.6	1846.3	2383.6	2786.6	2791.2
110°	378.7	431.2	483.7	496.8	830.6	1275.8	1498.3	1798.7	2399.5	2850.0	2869.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	420.7	470.7	520.7	533.3	831.0	1227.8	1426.2	1733.6	2348.5	2809.6	2839.9
115°	484.1	530.2	576.4	587.9	838.5	1172.8	1339.9	1636.0	2228.3	2672.6	2714.6
117.5°	546.7	588.6	630.5	641.0	854.1	1138.3	1280.4	1547.7	2082.2	2483.2	2529.8
120°	583.2	622.6	662.0	671.9	866.8	1126.7	1256.6	1500.8	1989.2	2355.6	2400.9
122.5°	618.8	658.6	698.4	708.4	885.1	1120.6	1238.4	1458.3	1898.2	2228.1	2272.7
125°	673.5	709.8	746.1	755.1	909.6	1115.6	1218.6	1405.5	1779.1	2059.3	2100.4
127.5°	717.9	754.5	791.2	800.3	934.2	1112.7	1202.0	1362.4	1683.2	1923.8	1958.5
130°	741.7	781.1	820.5	830.4	952.1	1114.4	1195.6	1338.4	1624.0	1838.2	1870.2
132.5°	766.2	805.7	845.0	854.9	966.6	1115.6	1190.1	1317.9	1573.6	1765.3	1794.1
135°	802.7	838.5	874.5	883.4	982.5	1114.6	1180.6	1287.6	1501.7	1662.3	1687.0
137.5°	839.9	875.4	911.0	919.9	1006.3	1121.4	1179.0	1269.5	1450.5	1586.3	1606.5
140°	870.7	903.5	936.3	944.4	1020.8	1122.6	1173.5	1251.7	1408.0	1525.3	1544.2
142.5°	894.5	924.8	955.1	962.7	1033.0	1126.6	1173.5	1242.1	1379.5	1482.5	1498.8
145°	931.0	957.4	983.8	990.4	1048.8	1126.6	1165.5	1221.7	1334.1	1418.3	1430.7
147.5°	967.4	993.2	1018.9	1025.3	1072.1	1134.4	1165.5	1209.8	1298.1	1364.4	1374.6
150°	991.2	1014.5	1037.7	1043.5	1084.2	1138.4	1165.5	1202.9	1277.5	1333.5	1341.7
152.5°	1015.8	1033.4	1050.9	1055.4	1092.1	1141.1	1165.5	1197.4	1261.1	1308.9	1315.1
155°	1052.2	1065.3	1078.3	1081.5	1109.6	1146.9	1165.5	1190.9	1241.6	1279.6	1283.8
157.5°	1079.1	1091.8	1104.5	1107.7	1126.9	1152.7	1165.5	1185.2	1224.7	1254.2	1257.1
160°	1097.4	1107.3	1117.1	1119.6	1134.9	1155.3	1165.5	1182.4	1216.2	1241.6	1243.3
162.5°	1115.6	1123.0	1130.3	1132.2	1143.3	1158.1	1165.5	1179.8	1208.3	1229.7	1231.3
165°	1135.5	1142.1	1148.8	1150.5	1155.5	1162.2	1165.5	1175.8	1196.1	1211.5	1213.2
167.5°	1153.6	1156.8	1160.0	1160.8	1165.0	1170.6	1173.5	1180.1	1193.5	1203.5	1204.2
170°	1165.5	1168.7	1171.9	1172.7	1172.9	1173.3	1173.5	1180.1	1193.5	1203.5	1203.5
172.5°	1171.8	1172.5	1173.3	1173.5	1173.5	1173.5	1173.5	1178.7	1189.3	1197.2	1196.6
175°	1180.6	1180.6	1180.6	1180.6	1178.2	1175.1	1173.5	1176.8	1183.5	1188.5	1188.5
177.5°	1180.6	1180.6	1180.6	1180.6	1178.7	1176.3	1175.1	1177.7	1183.0	1186.9	1186.2
180°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8
2.5°	4688.6	4675.6	4688.6	4680.0	4684.3	4671.3	4632.3	4619.4	4632.3	4645.4	4645.4
5°	4744.8	4736.2	4744.8	4744.8	4740.5	4731.8	4688.6	4680.0	4688.6	4692.9	4684.3
7.5°	4762.1	4749.1	4762.1	4753.5	4753.5	4744.8	4701.6	4692.9	4697.2	4710.2	4697.2
10°	4762.1	4749.1	4762.1	4757.8	4753.5	4744.8	4701.6	4684.3	4684.3	4697.2	4684.3
12.5°	4740.5	4731.8	4740.5	4731.8	4731.8	4723.1	4680.0	4662.7	4666.9	4671.3	4654.0
15°	4705.9	4692.9	4705.9	4697.2	4701.6	4688.6	4641.0	4623.7	4623.7	4632.3	4602.1
17.5°	4654.0	4636.7	4654.0	4649.6	4645.4	4636.7	4593.4	4576.1	4571.8	4576.1	4554.5
20°	4593.4	4580.4	4593.4	4589.1	4589.1	4571.8	4528.6	4506.9	4506.9	4506.9	4485.3
22.5°	4498.3	4485.3	4498.3	4506.9	4506.9	4502.6	4463.6	4433.4	4424.8	4424.8	4398.8
25°	4390.1	4377.2	4390.1	4390.1	4385.8	4390.1	4377.2	4359.9	4346.9	4334.0	4308.0
27.5°	4286.3	4277.7	4286.3	4277.7	4286.3	4273.4	4269.0	4264.7	4247.4	4234.4	4199.8
30°	4182.6	4173.9	4182.6	4173.9	4165.3	4156.6	4134.9	4126.3	4143.6	4134.9	4078.7
32.5°	4052.8	4044.1	4052.8	4052.8	4044.1	4044.1	4009.5	3996.6	4000.9	4026.8	3974.9
35°	3918.7	3905.7	3918.7	3914.3	3918.7	3905.7	3884.1	3879.8	3862.5	3892.7	3853.8
37.5°	3762.9	3750.0	3762.9	3762.9	3762.9	3771.6	3754.3	3741.4	3715.4	3754.3	3724.1
40°	3602.9	3585.6	3602.9	3598.6	3602.9	3611.6	3602.9	3594.3	3568.3	3598.6	3572.7
42.5°	3421.3	3416.9	3421.3	3425.6	3425.6	3442.9	3455.9	3438.6	3429.9	3408.3	3425.6
45°	3226.6	3218.0	3226.6	3235.3	3239.6	3248.2	3287.2	3287.2	3274.2	3239.6	3265.5
47.5°	3019.1	2997.4	3019.1	3045.0	3045.0	3058.0	3096.8	3127.2	3105.5	3062.3	3075.3
50°	2798.5	2802.7	2798.5	2815.8	2815.8	2863.3	2893.6	2923.9	2945.5	2893.6	2833.1
52.5°	2582.2	2577.9	2582.2	2595.2	2612.5	2634.0	2686.0	2716.3	2750.9	2720.6	2625.4
55°	2365.9	2374.6	2365.9	2370.3	2378.9	2391.9	2469.7	2500.0	2564.9	2525.9	2426.5
57.5°	2149.7	2136.6	2149.7	2158.3	2162.6	2175.6	2240.5	2296.7	2335.7	2339.9	2218.9
60°	1898.8	1881.5	1898.8	1937.7	1946.4	1955.0	2015.6	2067.5	2102.1	2115.1	1989.6
62.5°	1678.2	1647.9	1678.2	1704.2	1721.5	1743.1	1786.3	1864.2	1894.4	1898.8	1721.5
65°	1444.7	1431.7	1444.7	1496.5	1500.9	1526.8	1574.4	1630.6	1695.5	1686.9	1431.7
67.5°	1232.7	1232.7	1232.7	1267.3	1293.3	1306.2	1366.8	1392.8	1474.9	1483.6	1193.7
70°	1038.1	1033.7	1038.1	1064.0	1081.3	1111.6	1167.8	1198.1	1263.0	1284.6	968.9
72.5°	852.1	847.7	852.1	873.7	891.0	916.9	964.5	999.1	1055.4	1081.3	752.6
75°	687.7	679.0	687.7	705.0	700.7	735.3	774.2	808.8	860.7	878.0	558.0
77.5°	527.6	527.6	527.6	545.0	545.0	579.6	596.9	640.1	670.4	696.3	410.9
80°	393.6	389.3	393.6	397.9	397.9	415.3	445.5	475.8	501.7	501.7	281.2
82.5°	276.8	268.1	276.8	276.8	276.8	285.5	302.8	311.4	328.7	341.7	177.3
85°	173.0	173.0	173.0	177.3	173.0	181.6	186.0	194.6	194.6	186.0	108.1
87.5°	112.5	108.1	112.5	108.1	108.1	103.8	103.8	103.8	99.5	95.2	60.6
90°	30.1	30.1	30.1	30.1	30.1	40.1	53.5	60.2	51.8	34.8	22.2
92.5°	120.6	96.7	120.6	144.6	150.5	213.4	297.2	339.1	297.7	215.0	152.9
95°	420.4	347.9	420.4	492.9	511.0	671.1	884.5	991.2	837.2	529.0	297.9
97.5°	1007.2	869.2	1007.2	1145.3	1179.8	1280.9	1415.8	1483.2	1226.4	712.6	327.3
100°	1451.2	1286.8	1451.2	1615.6	1656.8	1649.4	1639.5	1634.6	1349.5	779.4	351.8
102.5°	1887.9	1747.1	1887.9	2028.9	2064.1	1935.1	1763.3	1677.4	1388.2	810.0	376.3
105°	2444.8	2369.1	2444.8	2520.6	2539.5	2250.6	1865.3	1672.6	1392.7	832.7	412.8
107.5°	2809.6	2827.9	2809.6	2791.2	2786.6	2383.6	1846.3	1577.6	1330.7	837.0	466.7
110°	2948.6	3027.5	2948.6	2869.7	2850.0	2399.5	1798.7	1498.3	1275.8	830.6	496.8





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2961.0	3082.2	2961.0	2839.9	2809.6	2348.5	1733.6	1426.2	1227.8	831.0	533.3
115°	2882.5	3050.5	2882.5	2714.6	2672.6	2228.3	1636.0	1339.9	1172.8	838.5	587.9
117.5°	2716.0	2902.3	2716.0	2529.8	2483.2	2082.2	1547.7	1280.4	1138.3	854.1	641.0
120°	2581.9	2762.9	2581.9	2400.9	2355.6	1989.2	1500.8	1256.6	1126.7	866.8	671.9
122.5°	2451.2	2629.8	2451.2	2272.7	2228.1	1898.2	1458.3	1238.4	1120.6	885.1	708.4
125°	2264.9	2429.3	2264.9	2100.4	2059.3	1779.1	1405.5	1218.6	1115.6	909.6	755.1
127.5°	2097.3	2236.0	2097.3	1958.5	1923.8	1683.2	1362.4	1202.0	1112.7	934.2	800.3
130°	1998.5	2126.7	1998.5	1870.2	1838.2	1624.0	1338.4	1195.6	1114.4	952.1	830.4
132.5°	1908.8	2023.7	1908.8	1794.1	1765.3	1573.6	1317.9	1190.1	1115.6	966.6	854.9
135°	1786.0	1885.0	1786.0	1687.0	1662.3	1501.7	1287.6	1180.6	1114.6	982.5	883.4
137.5°	1687.5	1768.5	1687.5	1606.5	1586.3	1450.5	1269.5	1179.0	1121.4	1006.3	919.9
140°	1619.9	1695.6	1619.9	1544.2	1525.3	1408.0	1251.7	1173.5	1122.6	1020.8	944.4
142.5°	1563.9	1629.0	1563.9	1498.8	1482.5	1379.5	1242.1	1173.5	1126.6	1033.0	962.7
145°	1479.9	1529.2	1479.9	1430.7	1418.3	1334.1	1221.7	1165.5	1126.6	1048.8	990.4
147.5°	1415.4	1456.3	1415.4	1374.6	1364.4	1298.1	1209.8	1165.5	1134.4	1072.1	1025.3
150°	1374.9	1408.0	1374.9	1341.7	1333.5	1277.5	1202.9	1165.5	1138.4	1084.2	1043.5
152.5°	1340.2	1365.2	1340.2	1315.1	1308.9	1261.1	1197.4	1165.5	1141.1	1092.1	1055.4
155°	1300.3	1316.9	1300.3	1283.8	1279.6	1241.6	1190.9	1165.5	1146.9	1109.6	1081.5
157.5°	1268.8	1280.4	1268.8	1257.1	1254.2	1224.7	1185.2	1165.5	1152.7	1126.9	1107.7
160°	1250.0	1256.6	1250.0	1243.3	1241.6	1216.2	1182.4	1165.5	1155.3	1134.9	1119.6
162.5°	1237.6	1244.0	1237.6	1231.3	1229.7	1208.3	1179.8	1165.5	1158.1	1143.3	1132.2
165°	1219.8	1226.5	1219.8	1213.2	1211.5	1196.1	1175.8	1165.5	1162.2	1155.5	1150.5
167.5°	1207.1	1209.9	1207.1	1204.2	1203.5	1193.5	1180.1	1173.5	1170.6	1165.0	1160.8
170°	1203.5	1203.5	1203.5	1203.5	1203.5	1193.5	1180.1	1173.5	1173.3	1172.9	1172.7
172.5°	1194.2	1191.7	1194.2	1196.6	1197.2	1189.3	1178.7	1173.5	1173.5	1173.5	1173.5
175°	1188.5	1188.5	1188.5	1188.5	1188.5	1183.5	1176.8	1173.5	1175.1	1178.2	1180.6
177.5°	1183.4	1180.6	1183.4	1186.2	1186.9	1183.0	1177.7	1175.1	1176.3	1178.7	1180.6
180°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8
2.5°	4636.7	4610.8	4610.8	4567.5	4550.2	4537.2	4515.6	4450.7	4433.4	4416.1	4442.1
5°	4675.6	4628.1	4593.4	4515.6	4450.7	4424.8	4342.6	4186.8	4083.0	4005.2	3962.0
7.5°	4684.3	4623.7	4558.8	4437.7	4282.0	4212.8	3962.0	3676.5	3598.6	3529.4	3486.1
10°	4675.6	4606.4	4515.6	4334.0	3966.2	3845.2	3594.3	3408.3	3360.7	3347.8	3360.7
12.5°	4645.4	4580.4	4455.0	4152.2	3637.5	3555.4	3408.3	3300.1	3291.5	3313.2	3429.9
15°	4593.4	4532.9	4385.8	3910.0	3455.9	3395.3	3291.5	3252.6	3300.1	3451.5	3801.9
17.5°	4541.5	4472.3	4290.7	3672.1	3317.5	3274.2	3200.7	3278.6	3546.7	3750.0	3866.8
20°	4472.3	4390.1	4182.6	3499.2	3218.0	3179.1	3144.5	3494.8	3698.1	3771.6	3836.5
22.5°	4390.1	4303.6	4035.5	3378.0	3114.2	3083.9	3105.5	3615.9	3698.1	3750.0	3806.2
25°	4282.0	4208.5	3862.5	3282.8	3032.0	2997.4	3079.6	3602.9	3650.5	3663.5	3776.0
27.5°	4182.6	4087.4	3680.8	3196.4	2932.5	2919.5	3101.2	3546.7	3581.3	3594.3	3715.4
30°	4061.4	3918.7	3477.5	3105.5	2828.7	2824.4	3105.5	3477.5	3468.8	3503.4	3624.6
32.5°	3936.0	3667.9	3248.2	2993.1	2729.2	2725.0	3075.3	3373.7	3365.1	3412.6	3503.4
35°	3819.2	3473.2	2936.8	2863.3	2603.8	2608.1	3001.8	3252.6	3256.9	3300.1	3356.4
37.5°	3698.1	3304.5	2595.2	2720.6	2482.7	2482.7	2902.3	3140.1	3131.5	3144.5	3222.3
40°	3555.4	3040.6	2292.4	2534.6	2370.3	2357.2	2781.2	3019.1	2988.7	2984.5	3092.6
42.5°	3404.0	2750.9	2067.5	2288.0	2240.5	2223.2	2634.0	2872.0	2815.8	2828.7	2967.1
45°	3239.6	2673.0	1894.4	1933.4	2106.4	2093.4	2474.0	2703.3	2664.4	2699.0	2841.7
47.5°	3075.3	2517.3	1838.3	1604.7	1963.7	1959.3	2296.7	2539.0	2517.3	2551.9	2703.3
50°	2850.4	2344.3	1833.9	1375.5	1803.6	1820.9	2084.8	2378.9	2378.9	2409.2	2569.2
52.5°	2560.5	2132.4	1665.2	1245.7	1617.6	1669.6	1898.8	2240.5	2249.1	2279.4	2422.2
55°	2296.7	1911.8	1544.1	1146.2	1397.0	1509.5	1717.1	2097.7	2115.1	2145.3	2275.1
57.5°	2054.5	1591.7	1518.2	1029.4	1193.7	1301.9	1557.1	1959.3	1968.0	1993.9	2119.4
60°	1795.0	1150.5	1392.8	904.0	1016.4	1098.7	1410.1	1795.0	1825.2	1842.5	1950.7
62.5°	1500.9	834.8	1263.0	817.5	930.0	947.3	1288.9	1639.2	1678.2	1691.1	1756.1
65°	1068.3	700.7	1072.7	744.0	839.1	843.4	1159.1	1479.2	1513.8	1535.5	1583.0
67.5°	722.3	570.9	817.5	674.7	769.9	774.2	1033.7	1293.3	1340.8	1358.2	1388.4
70°	501.7	380.6	605.5	601.2	692.1	700.7	899.6	1124.6	1167.8	1180.8	1198.1
72.5°	367.6	307.1	501.7	540.7	609.9	618.6	761.3	934.2	977.5	990.4	999.1
75°	281.2	324.4	406.6	471.4	519.0	523.4	622.8	761.3	791.5	800.2	804.5
77.5°	224.9	302.8	298.5	380.6	423.9	415.3	488.8	588.2	614.2	614.2	614.2
80°	168.7	237.9	224.9	272.5	311.4	302.8	350.3	419.5	428.2	436.8	432.6
82.5°	125.4	151.4	151.4	173.0	207.6	198.9	233.5	272.5	272.5	272.5	281.2
85°	77.9	86.5	69.2	90.8	116.8	112.5	129.8	147.1	151.4	151.4	142.7
87.5°	47.5	38.9	21.6	34.6	51.9	51.9	60.6	64.8	60.6	60.6	60.6
90°	20.5	14.2	7.9	14.2	20.5	22.2	34.8	51.8	60.2	53.5	40.1
92.5°	139.5	85.5	31.7	85.5	139.5	152.9	215.0	297.7	339.1	297.2	213.4
95°	273.3	174.7	76.1	174.7	273.3	297.9	529.0	837.2	991.2	884.5	671.1
97.5°	305.5	218.5	131.5	218.5	305.5	327.3	712.6	1226.4	1483.2	1415.8	1280.9
100°	332.1	253.2	174.3	253.2	332.1	351.8	779.4	1349.5	1634.6	1639.5	1649.4
102.5°	357.9	284.4	210.8	284.4	357.9	376.3	810.0	1388.2	1677.4	1763.3	1935.1
105°	397.2	334.9	272.6	334.9	397.2	412.8	832.7	1392.7	1672.6	1865.3	2250.6
107.5°	452.2	394.0	335.9	394.0	452.2	466.7	837.0	1330.7	1577.6	1846.3	2383.6
110°	483.7	431.2	378.7	431.2	483.7	496.8	830.6	1275.8	1498.3	1798.7	2399.5



TEST NUMBER: P934969

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	520.7	470.7	420.7	470.7	520.7	533.3	831.0	1227.8	1426.2	1733.6	2348.5
115°	576.4	530.2	484.1	530.2	576.4	587.9	838.5	1172.8	1339.9	1636.0	2228.3
117.5°	630.5	588.6	546.7	588.6	630.5	641.0	854.1	1138.3	1280.4	1547.7	2082.2
120°	662.0	622.6	583.2	622.6	662.0	671.9	866.8	1126.7	1256.6	1500.8	1989.2
122.5°	698.4	658.6	618.8	658.6	698.4	708.4	885.1	1120.6	1238.4	1458.3	1898.2
125°	746.1	709.8	673.5	709.8	746.1	755.1	909.6	1115.6	1218.6	1405.5	1779.1
127.5°	791.2	754.5	717.9	754.5	791.2	800.3	934.2	1112.7	1202.0	1362.4	1683.2
130°	820.5	781.1	741.7	781.1	820.5	830.4	952.1	1114.4	1195.6	1338.4	1624.0
132.5°	845.0	805.7	766.2	805.7	845.0	854.9	966.6	1115.6	1190.1	1317.9	1573.6
135°	874.5	838.5	802.7	838.5	874.5	883.4	982.5	1114.6	1180.6	1287.6	1501.7
137.5°	911.0	875.4	839.9	875.4	911.0	919.9	1006.3	1121.4	1179.0	1269.5	1450.5
140°	936.3	903.5	870.7	903.5	936.3	944.4	1020.8	1122.6	1173.5	1251.7	1408.0
142.5°	955.1	924.8	894.5	924.8	955.1	962.7	1033.0	1126.6	1173.5	1242.1	1379.5
145°	983.8	957.4	931.0	957.4	983.8	990.4	1048.8	1126.6	1165.5	1221.7	1334.1
147.5°	1018.9	993.2	967.4	993.2	1018.9	1025.3	1072.1	1134.4	1165.5	1209.8	1298.1
150°	1037.7	1014.5	991.2	1014.5	1037.7	1043.5	1084.2	1138.4	1165.5	1202.9	1277.5
152.5°	1050.9	1033.4	1015.8	1033.4	1050.9	1055.4	1092.1	1141.1	1165.5	1197.4	1261.1
155°	1078.3	1065.3	1052.2	1065.3	1078.3	1081.5	1109.6	1146.9	1165.5	1190.9	1241.6
157.5°	1104.5	1091.8	1079.1	1091.8	1104.5	1107.7	1126.9	1152.7	1165.5	1185.2	1224.7
160°	1117.1	1107.3	1097.4	1107.3	1117.1	1119.6	1134.9	1155.3	1165.5	1182.4	1216.2
162.5°	1130.3	1123.0	1115.6	1123.0	1130.3	1132.2	1143.3	1158.1	1165.5	1179.8	1208.3
165°	1148.8	1142.1	1135.5	1142.1	1148.8	1150.5	1155.5	1162.2	1165.5	1175.8	1196.1
167.5°	1160.0	1156.8	1153.6	1156.8	1160.0	1160.8	1165.0	1170.6	1173.5	1180.1	1193.5
170°	1171.9	1168.7	1165.5	1168.7	1171.9	1172.7	1172.9	1173.3	1173.5	1180.1	1193.5
172.5°	1173.3	1172.5	1171.8	1172.5	1173.3	1173.5	1173.5	1173.5	1173.5	1178.7	1189.3
175°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1178.2	1175.1	1173.5	1176.8	1183.5
177.5°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1178.7	1176.3	1175.1	1177.7	1183.0
180°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6



TEST NUMBER: P934969

CATALOG NUMBER: SQ4-FA-075U-125D-935-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8	4571.8
2.5°	4411.7	4398.8	4416.1	4368.5	4416.1	4398.8	4411.7	4442.1	4416.1	4433.4	4450.7
5°	3871.1	3849.5	3780.2	3724.1	3780.2	3849.5	3871.1	3962.0	4005.2	4083.0	4186.8
7.5°	3460.2	3442.9	3425.6	3391.0	3425.6	3442.9	3460.2	3486.1	3529.4	3598.6	3676.5
10°	3369.4	3373.7	3399.7	3395.3	3399.7	3373.7	3369.4	3360.7	3347.8	3360.7	3408.3
12.5°	3602.9	3641.9	3784.6	3776.0	3784.6	3641.9	3602.9	3429.9	3313.2	3291.5	3300.1
15°	3871.1	3884.1	3914.3	3918.7	3914.3	3884.1	3871.1	3801.9	3451.5	3300.1	3252.6
17.5°	3897.0	3901.4	3923.0	3923.0	3923.0	3901.4	3897.0	3866.8	3750.0	3546.7	3278.6
20°	3875.4	3884.1	3927.4	3936.0	3927.4	3884.1	3875.4	3836.5	3771.6	3698.1	3494.8
22.5°	3866.8	3884.1	3918.7	3914.3	3918.7	3884.1	3866.8	3806.2	3750.0	3698.1	3615.9
25°	3823.5	3823.5	3827.9	3832.2	3827.9	3823.5	3823.5	3776.0	3663.5	3650.5	3602.9
27.5°	3732.7	3741.4	3767.3	3762.9	3767.3	3741.4	3732.7	3715.4	3594.3	3581.3	3546.7
30°	3650.5	3641.9	3620.2	3602.9	3620.2	3641.9	3650.5	3624.6	3503.4	3468.8	3477.5
32.5°	3512.1	3490.5	3468.8	3455.9	3468.8	3490.5	3512.1	3503.4	3412.6	3365.1	3373.7
35°	3347.8	3352.1	3347.8	3334.8	3347.8	3352.1	3347.8	3356.4	3300.1	3256.9	3252.6
37.5°	3231.0	3239.6	3235.3	3218.0	3235.3	3239.6	3231.0	3222.3	3144.5	3131.5	3140.1
40°	3109.9	3114.2	3109.9	3096.8	3109.9	3114.2	3109.9	3092.6	2984.5	2988.7	3019.1
42.5°	2993.1	2988.7	2975.8	2967.1	2975.8	2988.7	2993.1	2967.1	2828.7	2815.8	2872.0
45°	2859.0	2863.3	2837.3	2824.4	2837.3	2863.3	2859.0	2841.7	2699.0	2664.4	2703.3
47.5°	2725.0	2725.0	2703.3	2690.3	2703.3	2725.0	2725.0	2703.3	2551.9	2517.3	2539.0
50°	2582.2	2577.9	2547.6	2543.2	2547.6	2577.9	2582.2	2569.2	2409.2	2378.9	2378.9
52.5°	2417.8	2417.8	2422.2	2430.8	2422.2	2417.8	2417.8	2422.2	2279.4	2249.1	2240.5
55°	2275.1	2279.4	2309.7	2318.4	2309.7	2279.4	2275.1	2275.1	2145.3	2115.1	2097.7
57.5°	2128.0	2128.0	2149.7	2149.7	2149.7	2128.0	2128.0	2119.4	1993.9	1968.0	1959.3
60°	1959.3	1968.0	1985.3	1981.0	1985.3	1968.0	1959.3	1950.7	1842.5	1825.2	1795.0
62.5°	1782.0	1790.6	1795.0	1786.3	1795.0	1790.6	1782.0	1756.1	1691.1	1678.2	1639.2
65°	1596.1	1604.7	1609.0	1600.3	1609.0	1604.7	1596.1	1583.0	1535.5	1513.8	1479.2
67.5°	1405.7	1401.4	1397.0	1414.3	1397.0	1401.4	1405.7	1388.4	1358.2	1340.8	1293.3
70°	1211.0	1211.0	1206.8	1215.4	1206.8	1211.0	1211.0	1198.1	1180.8	1167.8	1124.6
72.5°	1003.5	999.1	1016.4	1003.5	1016.4	999.1	1003.5	999.1	990.4	977.5	934.2
75°	800.2	808.8	800.2	813.1	800.2	808.8	800.2	804.5	800.2	791.5	761.3
77.5°	609.9	618.6	609.9	609.9	609.9	618.6	609.9	614.2	614.2	614.2	588.2
80°	432.6	428.2	428.2	423.9	428.2	428.2	432.6	432.6	436.8	428.2	419.5
82.5°	276.8	272.5	272.5	281.2	272.5	272.5	276.8	281.2	272.5	272.5	272.5
85°	151.4	155.7	147.1	147.1	147.1	155.7	151.4	142.7	151.4	151.4	147.1
87.5°	56.2	51.9	51.9	51.9	51.9	51.9	56.2	60.6	60.6	60.6	64.8
90°	30.1	30.1	30.1	30.1	30.1	30.1	30.1	40.1	53.5	60.2	51.8
92.5°	150.5	144.6	120.6	96.7	120.6	144.6	150.5	213.4	297.2	339.1	297.7
95°	511.0	492.9	420.4	347.9	420.4	492.9	511.0	671.1	884.5	991.2	837.2
97.5°	1179.8	1145.3	1007.2	869.2	1007.2	1145.3	1179.8	1280.9	1415.8	1483.2	1226.4
100°	1656.8	1615.6	1451.2	1286.8	1451.2	1615.6	1656.8	1649.4	1639.5	1634.6	1349.5
102.5°	2064.1	2028.9	1887.9	1747.1	1887.9	2028.9	2064.1	1935.1	1763.3	1677.4	1388.2
105°	2539.5	2520.6	2444.8	2369.1	2444.8	2520.6	2539.5	2250.6	1865.3	1672.6	1392.7
107.5°	2786.6	2791.2	2809.6	2827.9	2809.6	2791.2	2786.6	2383.6	1846.3	1577.6	1330.7
110°	2850.0	2869.7	2948.6	3027.5	2948.6	2869.7	2850.0	2399.5	1798.7	1498.3	1275.8



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2809.6	2839.9	2961.0	3082.2	2961.0	2839.9	2809.6	2348.5	1733.6	1426.2	1227.8
115°	2672.6	2714.6	2882.5	3050.5	2882.5	2714.6	2672.6	2228.3	1636.0	1339.9	1172.8
117.5°	2483.2	2529.8	2716.0	2902.3	2716.0	2529.8	2483.2	2082.2	1547.7	1280.4	1138.3
120°	2355.6	2400.9	2581.9	2762.9	2581.9	2400.9	2355.6	1989.2	1500.8	1256.6	1126.7
122.5°	2228.1	2272.7	2451.2	2629.8	2451.2	2272.7	2228.1	1898.2	1458.3	1238.4	1120.6
125°	2059.3	2100.4	2264.9	2429.3	2264.9	2100.4	2059.3	1779.1	1405.5	1218.6	1115.6
127.5°	1923.8	1958.5	2097.3	2236.0	2097.3	1958.5	1923.8	1683.2	1362.4	1202.0	1112.7
130°	1838.2	1870.2	1998.5	2126.7	1998.5	1870.2	1838.2	1624.0	1338.4	1195.6	1114.4
132.5°	1765.3	1794.1	1908.8	2023.7	1908.8	1794.1	1765.3	1573.6	1317.9	1190.1	1115.6
135°	1662.3	1687.0	1786.0	1885.0	1786.0	1687.0	1662.3	1501.7	1287.6	1180.6	1114.6
137.5°	1586.3	1606.5	1687.5	1768.5	1687.5	1606.5	1586.3	1450.5	1269.5	1179.0	1121.4
140°	1525.3	1544.2	1619.9	1695.6	1619.9	1544.2	1525.3	1408.0	1251.7	1173.5	1122.6
142.5°	1482.5	1498.8	1563.9	1629.0	1563.9	1498.8	1482.5	1379.5	1242.1	1173.5	1126.6
145°	1418.3	1430.7	1479.9	1529.2	1479.9	1430.7	1418.3	1334.1	1221.7	1165.5	1126.6
147.5°	1364.4	1374.6	1415.4	1456.3	1415.4	1374.6	1364.4	1298.1	1209.8	1165.5	1134.4
150°	1333.5	1341.7	1374.9	1408.0	1374.9	1341.7	1333.5	1277.5	1202.9	1165.5	1138.4
152.5°	1308.9	1315.1	1340.2	1365.2	1340.2	1315.1	1308.9	1261.1	1197.4	1165.5	1141.1
155°	1279.6	1283.8	1300.3	1316.9	1300.3	1283.8	1279.6	1241.6	1190.9	1165.5	1146.9
157.5°	1254.2	1257.1	1268.8	1280.4	1268.8	1257.1	1254.2	1224.7	1185.2	1165.5	1152.7
160°	1241.6	1243.3	1250.0	1256.6	1250.0	1243.3	1241.6	1216.2	1182.4	1165.5	1155.3
162.5°	1229.7	1231.3	1237.6	1244.0	1237.6	1231.3	1229.7	1208.3	1179.8	1165.5	1158.1
165°	1211.5	1213.2	1219.8	1226.5	1219.8	1213.2	1211.5	1196.1	1175.8	1165.5	1162.2
167.5°	1203.5	1204.2	1207.1	1209.9	1207.1	1204.2	1203.5	1193.5	1180.1	1173.5	1170.6
170°	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1193.5	1180.1	1173.5	1173.3
172.5°	1197.2	1196.6	1194.2	1191.7	1194.2	1196.6	1197.2	1189.3	1178.7	1173.5	1173.5
175°	1188.5	1188.5	1188.5	1188.5	1188.5	1188.5	1188.5	1183.5	1176.8	1173.5	1175.1
177.5°	1186.9	1186.2	1183.4	1180.6	1183.4	1186.2	1186.9	1183.0	1177.7	1175.1	1176.3
180°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	4571.8	4571.8	4571.8	4571.8	4571.8
2.5°	4515.6	4537.2	4550.2	4567.5	4610.8
5°	4342.6	4424.8	4450.7	4515.6	4593.4
7.5°	3962.0	4212.8	4282.0	4437.7	4558.8
10°	3594.3	3845.2	3966.2	4334.0	4515.6
12.5°	3408.3	3555.4	3637.5	4152.2	4455.0
15°	3291.5	3395.3	3455.9	3910.0	4385.8
17.5°	3200.7	3274.2	3317.5	3672.1	4290.7
20°	3144.5	3179.1	3218.0	3499.2	4182.6
22.5°	3105.5	3083.9	3114.2	3378.0	4035.5
25°	3079.6	2997.4	3032.0	3282.8	3862.5
27.5°	3101.2	2919.5	2932.5	3196.4	3680.8
30°	3105.5	2824.4	2828.7	3105.5	3477.5
32.5°	3075.3	2725.0	2729.2	2993.1	3248.2
35°	3001.8	2608.1	2603.8	2863.3	2936.8
37.5°	2902.3	2482.7	2482.7	2720.6	2595.2
40°	2781.2	2357.2	2370.3	2534.6	2292.4
42.5°	2634.0	2223.2	2240.5	2288.0	2067.5
45°	2474.0	2093.4	2106.4	1933.4	1894.4
47.5°	2296.7	1959.3	1963.7	1604.7	1838.3
50°	2084.8	1820.9	1803.6	1375.5	1833.9
52.5°	1898.8	1669.6	1617.6	1245.7	1665.2
55°	1717.1	1509.5	1397.0	1146.2	1544.1
57.5°	1557.1	1301.9	1193.7	1029.4	1518.2
60°	1410.1	1098.7	1016.4	904.0	1392.8
62.5°	1288.9	947.3	930.0	817.5	1263.0
65°	1159.1	843.4	839.1	744.0	1072.7
67.5°	1033.7	774.2	769.9	674.7	817.5
70°	899.6	700.7	692.1	601.2	605.5
72.5°	761.3	618.6	609.9	540.7	501.7
75°	622.8	523.4	519.0	471.4	406.6
77.5°	488.8	415.3	423.9	380.6	298.5
80°	350.3	302.8	311.4	272.5	224.9
82.5°	233.5	198.9	207.6	173.0	151.4
85°	129.8	112.5	116.8	90.8	69.2
87.5°	60.6	51.9	51.9	34.6	21.6
90°	34.8	22.2	20.5	14.2	7.9
92.5°	215.0	152.9	139.5	85.5	31.7
95°	529.0	297.9	273.3	174.7	76.1
97.5°	712.6	327.3	305.5	218.5	131.5
100°	779.4	351.8	332.1	253.2	174.3
102.5°	810.0	376.3	357.9	284.4	210.8
105°	832.7	412.8	397.2	334.9	272.6
107.5°	837.0	466.7	452.2	394.0	335.9
110°	830.6	496.8	483.7	431.2	378.7



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	831.0	533.3	520.7	470.7	420.7
115°	838.5	587.9	576.4	530.2	484.1
117.5°	854.1	641.0	630.5	588.6	546.7
120°	866.8	671.9	662.0	622.6	583.2
122.5°	885.1	708.4	698.4	658.6	618.8
125°	909.6	755.1	746.1	709.8	673.5
127.5°	934.2	800.3	791.2	754.5	717.9
130°	952.1	830.4	820.5	781.1	741.7
132.5°	966.6	854.9	845.0	805.7	766.2
135°	982.5	883.4	874.5	838.5	802.7
137.5°	1006.3	919.9	911.0	875.4	839.9
140°	1020.8	944.4	936.3	903.5	870.7
142.5°	1033.0	962.7	955.1	924.8	894.5
145°	1048.8	990.4	983.8	957.4	931.0
147.5°	1072.1	1025.3	1018.9	993.2	967.4
150°	1084.2	1043.5	1037.7	1014.5	991.2
152.5°	1092.1	1055.4	1050.9	1033.4	1015.8
155°	1109.6	1081.5	1078.3	1065.3	1052.2
157.5°	1126.9	1107.7	1104.5	1091.8	1079.1
160°	1134.9	1119.6	1117.1	1107.3	1097.4
162.5°	1143.3	1132.2	1130.3	1123.0	1115.6
165°	1155.5	1150.5	1148.8	1142.1	1135.5
167.5°	1165.0	1160.8	1160.0	1156.8	1153.6
170°	1172.9	1172.7	1171.9	1168.7	1165.5
172.5°	1173.5	1173.5	1173.3	1172.5	1171.8
175°	1178.2	1180.6	1180.6	1180.6	1180.6
177.5°	1178.7	1180.6	1180.6	1180.6	1180.6
180°	1180.6	1180.6	1180.6	1180.6	1180.6



TEST NUMBER: P934969  
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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.95	15.92	15.81	16.80	17.91	17.81	18.77	18.66	19.65	20.76
	3H	15.44	16.31	16.31	17.20	18.33	19.17	20.03	20.04	20.92	22.06
	4H	15.64	16.46	16.52	17.35	18.50	19.62	20.44	20.51	21.34	22.48
	6H	15.76	16.52	16.66	17.42	18.58	19.92	20.67	20.81	21.57	22.73
	8H	15.76	16.48	16.67	17.40	18.56	20.00	20.72	20.90	21.64	22.79
	12H	15.74	16.42	16.65	17.34	18.52	20.04	20.73	20.95	21.64	22.82
4H	2H	16.00	16.82	16.90	17.72	18.87	18.23	19.05	19.12	19.94	21.09
	3H	17.04	17.73	17.95	18.65	19.81	19.75	20.43	20.65	21.36	22.52
	4H	17.32	17.95	18.24	18.87	20.05	20.29	20.91	21.20	21.83	23.02
	6H	17.45	17.99	18.38	18.94	20.13	20.66	21.20	21.59	22.15	23.33
	8H	17.46	17.96	18.39	18.91	20.11	20.78	21.28	21.71	22.22	23.42
	12H	17.43	17.89	18.39	18.85	20.05	20.84	21.29	21.79	22.25	23.46
8H	4H	17.79	18.29	18.72	19.23	20.43	20.42	20.92	21.35	21.86	23.06
	6H	18.05	18.47	19.01	19.45	20.65	20.87	21.28	21.82	22.26	23.46
	8H	18.10	18.46	19.07	19.44	20.66	21.02	21.39	21.99	22.36	23.58
	12H	18.09	18.41	19.06	19.38	20.64	21.13	21.45	22.10	22.42	23.68
12H	4H	17.80	18.25	18.75	19.21	20.42	20.39	20.84	21.34	21.80	23.01
	6H	18.12	18.48	19.08	19.46	20.68	20.86	21.23	21.83	22.20	23.42
	8H	18.19	18.51	19.16	19.48	20.74	21.03	21.36	22.00	22.32	23.59