

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: P934569

Luminaire Tested: SQ4-FA-050U-125D-935-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

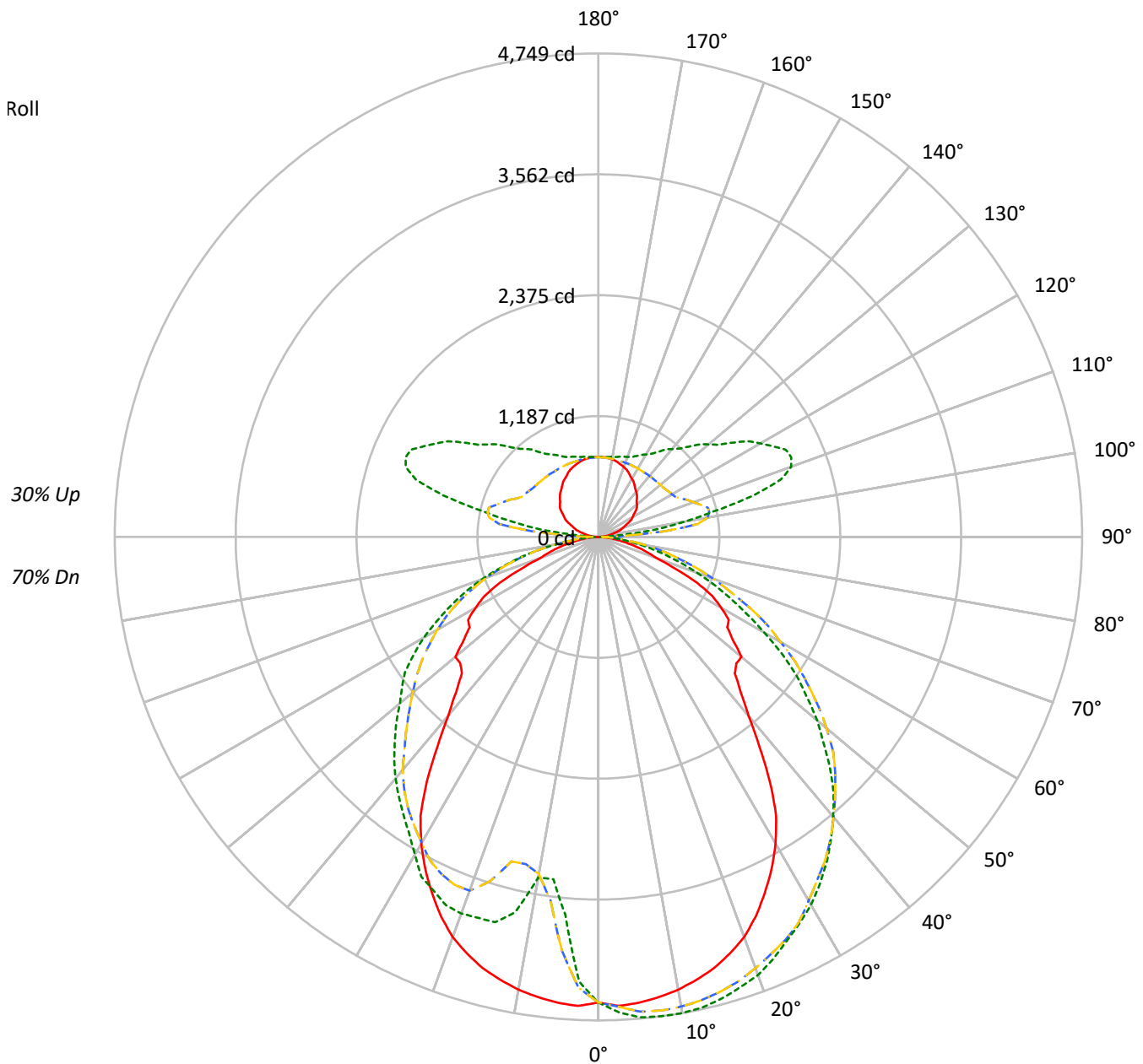
Test Method: LM-79-2019  
Report Number: P934569  
REPORT IS A COMBINATION OF REPORTS P933701 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-125D-935-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16945.4 lumens  
Efficiency: N/A  
Efficacy: 100.9 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): 168  
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

TEST NUMBER: P934569  
CATALOG NUMBER: SQ4-FA-050U-125D-935-1D-UNV-STD-W-12

### 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									
RC	80									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	50	30	10	0													
RCR																																					
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	74	74	74	70													
1	102	98	94	90	97	93	89	86	83	80	78	74	72	70	66	65	63	63	63	63	63	63	63	59													
2	93	86	79	74	88	81	76	71	73	68	65	65	62	59	58	56	53	53	53	53	53	53	53	50													
3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	45	45	45	45	45	45	45	42													
4	78	67	58	52	73	63	56	50	57	51	46	51	47	43	46	42	39	39	39	39	39	39	39	36													
5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	34	34	34	34	34	34	34	31													
6	66	53	45	39	62	51	43	38	46	40	35	42	36	32	38	33	30	30	30	30	30	30	30	27													
7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	27	27	27	27	27	27	27	24													
8	57	44	36	30	54	42	35	29	38	32	28	35	30	26	31	27	24	24	24	24	24	24	24	22													
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	21	21	21	21	21	21	19													
10	49	37	30	25	47	35	28	24	32	26	22	30	25	21	27	23	19	19	19	19	19	19	19	18													

**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	2.4
10°-20°	1171.7	6.9
20°-30°	1811.3	10.7
30°-40°	2162.3	12.8
40°-50°	2175.0	12.8
50°-60°	1892.5	11.2
60°-70°	1341.8	7.9
70°-80°	709.9	4.2
80°-90°	179.8	1.1
90°-100°	382.6	2.3
100°-110°	1005.9	5.9
110°-120°	1043.0	6.2
120°-130°	836.7	4.9
130°-140°	656.5	3.9
140°-150°	503.9	3.0
150°-160°	362.9	2.1
160°-170°	222.0	1.3
170°-180°	75.0	0.4
0°-30°	3395.7	20.0
0°-40°	5558.0	32.8
0°-60°	9625.4	56.8
0°-90°	11856.9	70.0
90°-120°	2431.6	14.3
90°-150°	4428.6	26.1
90°-180°	5089.0	30.0
0°-180°	16945.4	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°	5	20	5	20	5	7
95°	51	231	51	231	51	56
105°	181	1575	181	1575	181	192
115°	322	2028	322	2028	322	318
125°	448	1615	448	1615	448	398
135°	534	1253	534	1253	534	413
145°	619	1017	619	1017	619	388
155°	700	876	700	876	700	321
165°	755	816	755	816	755	213
175°	785	790	785	790	785	75
180°	785	785	785	785	785	



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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°	5.3	9.5	13.7	14.7	23.2	34.4	40.0	35.6	26.7	20.0	20.0
92.5°	21.0	56.8	92.7	101.6	142.9	197.9	225.4	197.6	141.9	100.1	96.1
95°	50.6	116.1	181.7	198.1	351.7	556.6	659.0	588.1	446.2	339.8	327.7
97.5°	87.4	145.3	203.1	217.6	473.8	815.4	986.2	941.4	851.7	784.4	761.5
100°	115.9	168.4	220.8	233.9	518.2	897.2	1086.8	1090.0	1096.6	1101.6	1074.2
102.5°	140.2	189.1	238.0	250.2	538.5	923.1	1115.3	1172.4	1286.6	1372.3	1348.9
105°	181.2	222.6	264.0	274.4	553.6	926.0	1112.1	1240.2	1496.3	1688.4	1675.8
107.5°	223.4	262.0	300.7	310.3	556.5	884.8	1048.9	1227.6	1584.9	1852.8	1855.9
110°	251.9	286.7	321.6	330.3	552.3	848.3	996.2	1196.0	1595.4	1894.9	1908.1



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	279.7	312.9	346.2	354.5	552.4	816.3	948.3	1152.7	1561.5	1868.1	1888.2
115°	321.9	352.6	383.2	390.9	557.5	779.8	890.9	1087.7	1481.5	1776.9	1804.9
117.5°	363.5	391.3	419.2	426.2	567.9	756.8	851.3	1029.0	1384.4	1651.0	1681.9
120°	387.7	414.0	440.1	446.7	576.3	749.2	835.6	997.9	1322.6	1566.2	1596.3
122.5°	411.4	437.9	464.3	471.0	588.5	745.1	823.4	969.6	1262.1	1481.4	1511.0
125°	447.8	471.9	496.0	502.1	604.8	741.8	810.3	934.5	1182.8	1369.2	1396.5
127.5°	477.3	501.7	526.0	532.1	621.1	739.8	799.2	905.8	1119.1	1279.1	1302.2
130°	493.1	519.4	545.5	552.1	633.0	741.0	795.0	889.9	1079.8	1222.2	1243.5
132.5°	509.4	535.7	561.9	568.5	642.7	741.8	791.3	876.3	1046.3	1173.7	1192.8
135°	533.7	557.5	581.4	587.4	653.2	741.1	784.9	856.2	998.5	1105.3	1121.7
137.5°	558.4	582.1	605.8	611.7	669.1	745.7	783.9	844.1	964.5	1054.7	1068.2
140°	578.9	600.7	622.5	627.9	678.7	746.4	780.2	832.1	936.2	1014.1	1026.7
142.5°	594.8	614.9	635.1	640.1	686.8	749.1	780.2	825.8	917.2	985.7	996.5
145°	619.0	636.5	654.1	658.5	697.4	749.1	775.0	812.3	887.0	943.0	951.2
147.5°	643.3	660.3	677.4	681.7	712.8	754.3	775.0	804.4	863.2	907.2	914.0
150°	659.0	674.4	689.9	693.8	720.9	756.9	775.0	799.8	849.4	886.6	892.1
152.5°	675.4	687.1	698.8	701.7	726.2	758.7	775.0	796.2	838.5	870.3	874.5
155°	699.6	708.3	717.0	719.1	737.7	762.5	775.0	791.8	825.5	850.8	853.5
157.5°	717.6	726.0	734.3	736.5	749.3	766.5	775.0	788.1	814.3	833.9	835.9
160°	729.7	736.2	742.8	744.4	754.6	768.2	775.0	786.2	808.6	825.5	826.6
162.5°	741.8	746.7	751.6	752.8	760.2	770.0	775.0	784.4	803.4	817.6	818.6
165°	755.0	759.4	763.8	764.9	768.2	772.8	775.0	781.8	795.3	805.5	806.6
167.5°	767.1	769.1	771.2	771.7	774.6	778.3	780.2	784.6	793.6	800.2	800.7
170°	775.0	777.0	779.2	779.7	779.8	780.1	780.2	784.6	793.6	800.2	800.2
172.5°	779.2	779.6	780.1	780.2	780.2	780.2	780.2	783.7	790.7	796.0	795.6
175°	784.9	784.9	784.9	784.9	783.3	781.2	780.2	782.4	786.9	790.2	790.2
177.5°	784.9	784.9	784.9	784.9	783.8	782.1	781.3	783.1	786.6	789.2	788.7
180°	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9



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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°	20.0	20.0	20.0	20.0	20.0	26.7	35.6	40.0	34.4	23.2	14.7
92.5°	80.2	64.2	80.2	96.1	100.1	141.9	197.6	225.4	197.9	142.9	101.6
95°	279.5	231.2	279.5	327.7	339.8	446.2	588.1	659.0	556.6	351.7	198.1
97.5°	669.7	577.9	669.7	761.5	784.4	851.7	941.4	986.2	815.4	473.8	217.6
100°	964.9	855.6	964.9	1074.2	1101.6	1096.6	1090.0	1086.8	897.2	518.2	233.9
102.5°	1255.3	1161.6	1255.3	1348.9	1372.3	1286.6	1172.4	1115.3	923.1	538.5	250.2
105°	1625.5	1575.2	1625.5	1675.8	1688.4	1496.3	1240.2	1112.1	926.0	553.6	274.4
107.5°	1868.0	1880.2	1868.0	1855.9	1852.8	1584.9	1227.6	1048.9	884.8	556.5	310.3
110°	1960.5	2012.9	1960.5	1908.1	1894.9	1595.4	1196.0	996.2	848.3	552.3	330.3





TEST NUMBER: P934569

CATALOG NUMBER: SQ4-FA-050U-125D-935-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1968.8	2049.3	1968.8	1888.2	1868.1	1561.5	1152.7	948.3	816.3	552.4	354.5
115°	1916.6	2028.3	1916.6	1804.9	1776.9	1481.5	1087.7	890.9	779.8	557.5	390.9
117.5°	1805.8	1929.7	1805.8	1681.9	1651.0	1384.4	1029.0	851.3	756.8	567.9	426.2
120°	1716.7	1837.0	1716.7	1596.3	1566.2	1322.6	997.9	835.6	749.2	576.3	446.7
122.5°	1629.8	1748.5	1629.8	1511.0	1481.4	1262.1	969.6	823.4	745.1	588.5	471.0
125°	1505.8	1615.2	1505.8	1396.5	1369.2	1182.8	934.5	810.3	741.8	604.8	502.1
127.5°	1394.4	1486.7	1394.4	1302.2	1279.1	1119.1	905.8	799.2	739.8	621.1	532.1
130°	1328.8	1414.0	1328.8	1243.5	1222.2	1079.8	889.9	795.0	741.0	633.0	552.1
132.5°	1269.1	1345.5	1269.1	1192.8	1173.7	1046.3	876.3	791.3	741.8	642.7	568.5
135°	1187.5	1253.3	1187.5	1121.7	1105.3	998.5	856.2	784.9	741.1	653.2	587.4
137.5°	1122.0	1175.8	1122.0	1068.2	1054.7	964.5	844.1	783.9	745.7	669.1	611.7
140°	1077.0	1127.4	1077.0	1026.7	1014.1	936.2	832.1	780.2	746.4	678.7	627.9
142.5°	1039.9	1083.1	1039.9	996.5	985.7	917.2	825.8	780.2	749.1	686.8	640.1
145°	984.0	1016.8	984.0	951.2	943.0	887.0	812.3	775.0	749.1	697.4	658.5
147.5°	941.1	968.3	941.1	914.0	907.2	863.2	804.4	775.0	754.3	712.8	681.7
150°	914.1	936.2	914.1	892.1	886.6	849.4	799.8	775.0	756.9	720.9	693.8
152.5°	891.1	907.7	891.1	874.5	870.3	838.5	796.2	775.0	758.7	726.2	701.7
155°	864.6	875.6	864.6	853.5	850.8	825.5	791.8	775.0	762.5	737.7	719.1
157.5°	843.6	851.3	843.6	835.9	833.9	814.3	788.1	775.0	766.5	749.3	736.5
160°	831.1	835.6	831.1	826.6	825.5	808.6	786.2	775.0	768.2	754.6	744.4
162.5°	822.9	827.1	822.9	818.6	817.6	803.4	784.4	775.0	770.0	760.2	752.8
165°	811.1	815.5	811.1	806.6	805.5	795.3	781.8	775.0	772.8	768.2	764.9
167.5°	802.6	804.5	802.6	800.7	800.2	793.6	784.6	780.2	778.3	774.6	771.7
170°	800.2	800.2	800.2	800.2	800.2	793.6	784.6	780.2	780.1	779.8	779.7
172.5°	794.0	792.4	794.0	795.6	796.0	790.7	783.7	780.2	780.2	780.2	780.2
175°	790.2	790.2	790.2	790.2	790.2	786.9	782.4	780.2	781.2	783.3	784.9
177.5°	786.8	784.9	786.8	788.7	789.2	786.6	783.1	781.3	782.1	783.8	784.9
180°	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9



TEST NUMBER: P934569  
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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°	13.7	9.5	5.3	9.5	13.7	14.7	23.2	34.4	40.0	35.6	26.7
92.5°	92.7	56.8	21.0	56.8	92.7	101.6	142.9	197.9	225.4	197.6	141.9
95°	181.7	116.1	50.6	116.1	181.7	198.1	351.7	556.6	659.0	588.1	446.2
97.5°	203.1	145.3	87.4	145.3	203.1	217.6	473.8	815.4	986.2	941.4	851.7
100°	220.8	168.4	115.9	168.4	220.8	233.9	518.2	897.2	1086.8	1090.0	1096.6
102.5°	238.0	189.1	140.2	189.1	238.0	250.2	538.5	923.1	1115.3	1172.4	1286.6
105°	264.0	222.6	181.2	222.6	264.0	274.4	553.6	926.0	1112.1	1240.2	1496.3
107.5°	300.7	262.0	223.4	262.0	300.7	310.3	556.5	884.8	1048.9	1227.6	1584.9
110°	321.6	286.7	251.9	286.7	321.6	330.3	552.3	848.3	996.2	1196.0	1595.4



TEST NUMBER: P934569

CATALOG NUMBER: SQ4-FA-050U-125D-935-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	346.2	312.9	279.7	312.9	346.2	354.5	552.4	816.3	948.3	1152.7	1561.5
115°	383.2	352.6	321.9	352.6	383.2	390.9	557.5	779.8	890.9	1087.7	1481.5
117.5°	419.2	391.3	363.5	391.3	419.2	426.2	567.9	756.8	851.3	1029.0	1384.4
120°	440.1	414.0	387.7	414.0	440.1	446.7	576.3	749.2	835.6	997.9	1322.6
122.5°	464.3	437.9	411.4	437.9	464.3	471.0	588.5	745.1	823.4	969.6	1262.1
125°	496.0	471.9	447.8	471.9	496.0	502.1	604.8	741.8	810.3	934.5	1182.8
127.5°	526.0	501.7	477.3	501.7	526.0	532.1	621.1	739.8	799.2	905.8	1119.1
130°	545.5	519.4	493.1	519.4	545.5	552.1	633.0	741.0	795.0	889.9	1079.8
132.5°	561.9	535.7	509.4	535.7	561.9	568.5	642.7	741.8	791.3	876.3	1046.3
135°	581.4	557.5	533.7	557.5	581.4	587.4	653.2	741.1	784.9	856.2	998.5
137.5°	605.8	582.1	558.4	582.1	605.8	611.7	669.1	745.7	783.9	844.1	964.5
140°	622.5	600.7	578.9	600.7	622.5	627.9	678.7	746.4	780.2	832.1	936.2
142.5°	635.1	614.9	594.8	614.9	635.1	640.1	686.8	749.1	780.2	825.8	917.2
145°	654.1	636.5	619.0	636.5	654.1	658.5	697.4	749.1	775.0	812.3	887.0
147.5°	677.4	660.3	643.3	660.3	677.4	681.7	712.8	754.3	775.0	804.4	863.2
150°	689.9	674.4	659.0	674.4	689.9	693.8	720.9	756.9	775.0	799.8	849.4
152.5°	698.8	687.1	675.4	687.1	698.8	701.7	726.2	758.7	775.0	796.2	838.5
155°	717.0	708.3	699.6	708.3	717.0	719.1	737.7	762.5	775.0	791.8	825.5
157.5°	734.3	726.0	717.6	726.0	734.3	736.5	749.3	766.5	775.0	788.1	814.3
160°	742.8	736.2	729.7	736.2	742.8	744.4	754.6	768.2	775.0	786.2	808.6
162.5°	751.6	746.7	741.8	746.7	751.6	752.8	760.2	770.0	775.0	784.4	803.4
165°	763.8	759.4	755.0	759.4	763.8	764.9	768.2	772.8	775.0	781.8	795.3
167.5°	771.2	769.1	767.1	769.1	771.2	771.7	774.6	778.3	780.2	784.6	793.6
170°	779.2	777.0	775.0	777.0	779.2	779.7	779.8	780.1	780.2	784.6	793.6
172.5°	780.1	779.6	779.2	779.6	780.1	780.2	780.2	780.2	780.2	783.7	790.7
175°	784.9	784.9	784.9	784.9	784.9	784.9	783.3	781.2	780.2	782.4	786.9
177.5°	784.9	784.9	784.9	784.9	784.9	784.9	783.8	782.1	781.3	783.1	786.6
180°	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9



TEST NUMBER: P934569

CATALOG NUMBER: SQ4-FA-050U-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°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	26.7	35.6	40.0	34.4
92.5°	100.1	96.1	80.2	64.2	80.2	96.1	100.1	141.9	197.6	225.4	197.9
95°	339.8	327.7	279.5	231.2	279.5	327.7	339.8	446.2	588.1	659.0	556.6
97.5°	784.4	761.5	669.7	577.9	669.7	761.5	784.4	851.7	941.4	986.2	815.4
100°	1101.6	1074.2	964.9	855.6	964.9	1074.2	1101.6	1096.6	1090.0	1086.8	897.2
102.5°	1372.3	1348.9	1255.3	1161.6	1255.3	1348.9	1372.3	1286.6	1172.4	1115.3	923.1
105°	1688.4	1675.8	1625.5	1575.2	1625.5	1675.8	1688.4	1496.3	1240.2	1112.1	926.0
107.5°	1852.8	1855.9	1868.0	1880.2	1868.0	1855.9	1852.8	1584.9	1227.6	1048.9	884.8
110°	1894.9	1908.1	1960.5	2012.9	1960.5	1908.1	1894.9	1595.4	1196.0	996.2	848.3



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1868.1	1888.2	1968.8	2049.3	1968.8	1888.2	1868.1	1561.5	1152.7	948.3	816.3
115°	1776.9	1804.9	1916.6	2028.3	1916.6	1804.9	1776.9	1481.5	1087.7	890.9	779.8
117.5°	1651.0	1681.9	1805.8	1929.7	1805.8	1681.9	1651.0	1384.4	1029.0	851.3	756.8
120°	1566.2	1596.3	1716.7	1837.0	1716.7	1596.3	1566.2	1322.6	997.9	835.6	749.2
122.5°	1481.4	1511.0	1629.8	1748.5	1629.8	1511.0	1481.4	1262.1	969.6	823.4	745.1
125°	1369.2	1396.5	1505.8	1615.2	1505.8	1396.5	1369.2	1182.8	934.5	810.3	741.8
127.5°	1279.1	1302.2	1394.4	1486.7	1394.4	1302.2	1279.1	1119.1	905.8	799.2	739.8
130°	1222.2	1243.5	1328.8	1414.0	1328.8	1243.5	1222.2	1079.8	889.9	795.0	741.0
132.5°	1173.7	1192.8	1269.1	1345.5	1269.1	1192.8	1173.7	1046.3	876.3	791.3	741.8
135°	1105.3	1121.7	1187.5	1253.3	1187.5	1121.7	1105.3	998.5	856.2	784.9	741.1
137.5°	1054.7	1068.2	1122.0	1175.8	1122.0	1068.2	1054.7	964.5	844.1	783.9	745.7
140°	1014.1	1026.7	1077.0	1127.4	1077.0	1026.7	1014.1	936.2	832.1	780.2	746.4
142.5°	985.7	996.5	1039.9	1083.1	1039.9	996.5	985.7	917.2	825.8	780.2	749.1
145°	943.0	951.2	984.0	1016.8	984.0	951.2	943.0	887.0	812.3	775.0	749.1
147.5°	907.2	914.0	941.1	968.3	941.1	914.0	907.2	863.2	804.4	775.0	754.3
150°	886.6	892.1	914.1	936.2	914.1	892.1	886.6	849.4	799.8	775.0	756.9
152.5°	870.3	874.5	891.1	907.7	891.1	874.5	870.3	838.5	796.2	775.0	758.7
155°	850.8	853.5	864.6	875.6	864.6	853.5	850.8	825.5	791.8	775.0	762.5
157.5°	833.9	835.9	843.6	851.3	843.6	835.9	833.9	814.3	788.1	775.0	766.5
160°	825.5	826.6	831.1	835.6	831.1	826.6	825.5	808.6	786.2	775.0	768.2
162.5°	817.6	818.6	822.9	827.1	822.9	818.6	817.6	803.4	784.4	775.0	770.0
165°	805.5	806.6	811.1	815.5	811.1	806.6	805.5	795.3	781.8	775.0	772.8
167.5°	800.2	800.7	802.6	804.5	802.6	800.7	800.2	793.6	784.6	780.2	778.3
170°	800.2	800.2	800.2	800.2	800.2	800.2	800.2	793.6	784.6	780.2	780.1
172.5°	796.0	795.6	794.0	792.4	794.0	795.6	796.0	790.7	783.7	780.2	780.2
175°	790.2	790.2	790.2	790.2	790.2	790.2	790.2	786.9	782.4	780.2	781.2
177.5°	789.2	788.7	786.8	784.9	786.8	788.7	789.2	786.6	783.1	781.3	782.1
180°	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9



TEST NUMBER: P934569

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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°	23.2	14.7	13.7	9.5	5.3
92.5°	142.9	101.6	92.7	56.8	21.0
95°	351.7	198.1	181.7	116.1	50.6
97.5°	473.8	217.6	203.1	145.3	87.4
100°	518.2	233.9	220.8	168.4	115.9
102.5°	538.5	250.2	238.0	189.1	140.2
105°	553.6	274.4	264.0	222.6	181.2
107.5°	556.5	310.3	300.7	262.0	223.4
110°	552.3	330.3	321.6	286.7	251.9



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	552.4	354.5	346.2	312.9	279.7
115°	557.5	390.9	383.2	352.6	321.9
117.5°	567.9	426.2	419.2	391.3	363.5
120°	576.3	446.7	440.1	414.0	387.7
122.5°	588.5	471.0	464.3	437.9	411.4
125°	604.8	502.1	496.0	471.9	447.8
127.5°	621.1	532.1	526.0	501.7	477.3
130°	633.0	552.1	545.5	519.4	493.1
132.5°	642.7	568.5	561.9	535.7	509.4
135°	653.2	587.4	581.4	557.5	533.7
137.5°	669.1	611.7	605.8	582.1	558.4
140°	678.7	627.9	622.5	600.7	578.9
142.5°	686.8	640.1	635.1	614.9	594.8
145°	697.4	658.5	654.1	636.5	619.0
147.5°	712.8	681.7	677.4	660.3	643.3
150°	720.9	693.8	689.9	674.4	659.0
152.5°	726.2	701.7	698.8	687.1	675.4
155°	737.7	719.1	717.0	708.3	699.6
157.5°	749.3	736.5	734.3	726.0	717.6
160°	754.6	744.4	742.8	736.2	729.7
162.5°	760.2	752.8	751.6	746.7	741.8
165°	768.2	764.9	763.8	759.4	755.0
167.5°	774.6	771.7	771.2	769.1	767.1
170°	779.8	779.7	779.2	777.0	775.0
172.5°	780.2	780.2	780.1	779.6	779.2
175°	783.3	784.9	784.9	784.9	784.9
177.5°	783.8	784.9	784.9	784.9	784.9
180°	784.9	784.9	784.9	784.9	784.9



TEST NUMBER: P934569  
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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	15.68	16.76	16.45	17.54	18.50	18.53	19.61	19.30	20.40	21.35
	3H	16.18	17.14	16.95	17.94	18.92	19.90	20.87	20.68	21.66	22.65
	4H	16.38	17.29	17.17	18.09	19.09	20.36	21.27	21.16	22.08	23.07
	6H	16.51	17.35	17.31	18.16	19.17	20.66	21.50	21.47	22.32	23.32
	8H	16.51	17.31	17.33	18.15	19.16	20.75	21.55	21.56	22.38	23.39
	12H	16.49	17.25	17.32	18.08	19.12	20.79	21.56	21.62	22.38	23.42
4H	2H	16.75	17.66	17.55	18.46	19.46	18.97	19.88	19.77	20.68	21.68
	3H	17.79	18.55	18.61	19.39	20.40	20.50	21.26	21.31	22.10	23.11
	4H	18.08	18.77	18.90	19.61	20.65	21.04	21.73	21.87	22.57	23.61
	6H	18.22	18.81	19.06	19.67	20.72	21.42	22.02	22.27	22.88	23.93
	8H	18.23	18.78	19.07	19.64	20.70	21.54	22.10	22.39	22.95	24.01
	12H	18.20	18.70	19.07	19.58	20.65	21.61	22.11	22.48	22.99	24.05
8H	4H	18.55	19.11	19.40	19.97	21.02	21.18	21.74	22.03	22.60	23.66
	6H	18.82	19.28	19.70	20.18	21.24	21.63	22.10	22.51	22.99	24.05
	8H	18.87	19.28	19.75	20.17	21.25	21.79	22.20	22.68	23.09	24.17
	12H	18.86	19.22	19.75	20.11	21.24	21.90	22.26	22.79	23.15	24.28
12H	4H	18.57	19.07	19.44	19.95	21.01	21.16	21.66	22.02	22.54	23.60
	6H	18.89	19.30	19.77	20.19	21.27	21.63	22.04	22.52	22.94	24.01
	8H	18.96	19.32	19.85	20.21	21.34	21.81	22.17	22.69	23.05	24.18