

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: P935313

Luminaire Tested: SQ4-FA-100U-125D-835-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

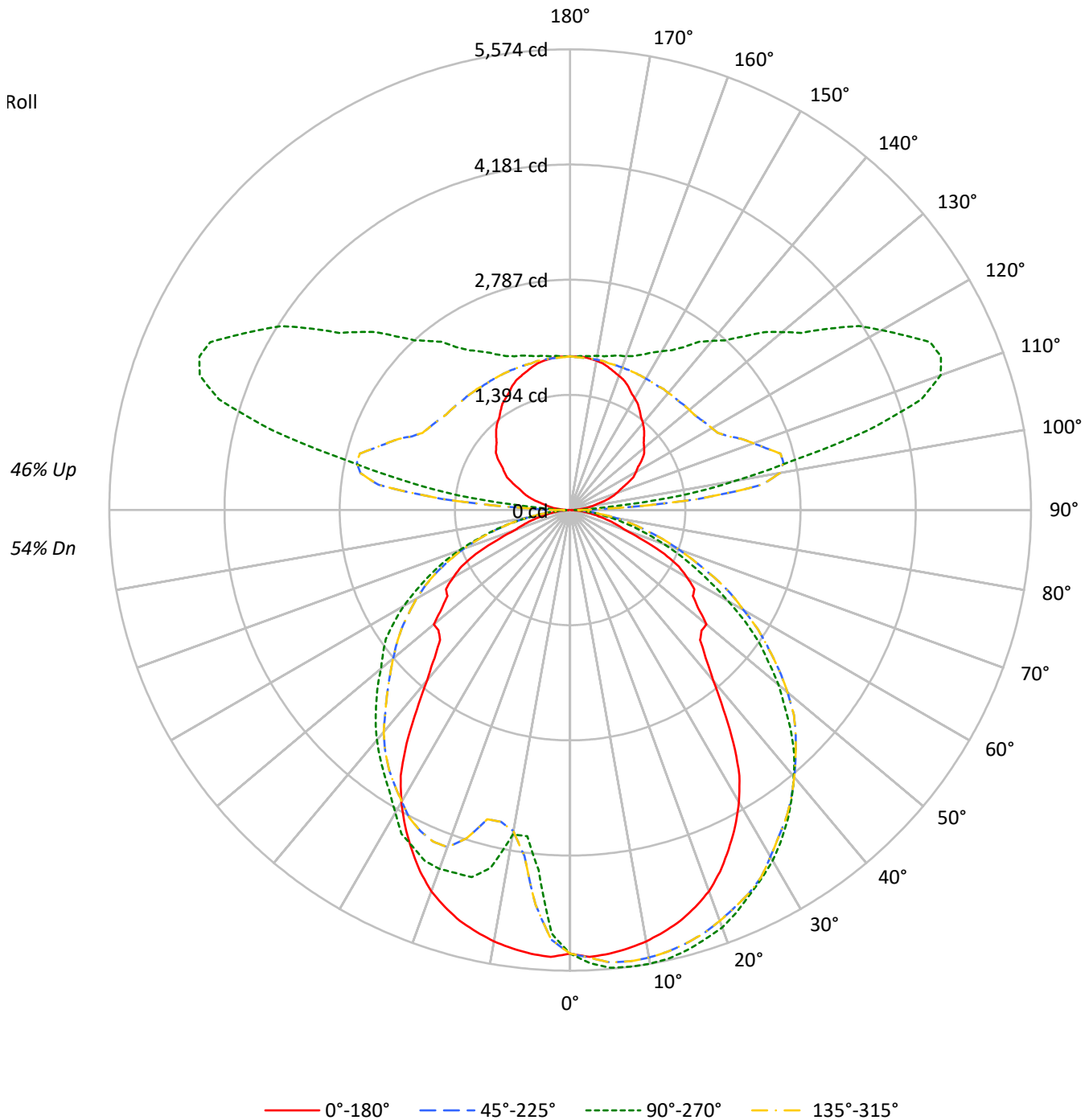
Test Method: LM-79-2019  
Report Number: P935313  
REPORT IS A COMBINATION OF REPORTS P933749 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-125D-835-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25973.0 lumens  
Efficiency: N/A  
Efficacy: 125.8 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: General Diffuse  
  
Input Watts (W): 206.4  
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: P935313  
CATALOG NUMBER: SQ4-FA-100U-125D-835-1D-UNV-STD-W-12

### Luminous Intensity Polar Plot





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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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	54				54
1	99	94	90	87	91	88	84	81	75	73	70	63	62	60	53	51	50	45				45
2	90	82	76	71	83	77	71	67	66	62	58	56	53	50	46	44	42	38				38
3	82	72	65	59	76	67	61	56	58	53	49	49	46	42	41	38	36	32				32
4	75	64	56	50	69	60	53	47	51	46	42	44	40	36	37	34	31	28				28
5	69	57	49	43	64	53	46	41	46	40	36	39	35	31	33	30	27	24				24
6	63	51	43	37	59	48	41	35	41	36	31	35	31	28	30	26	24	21				21
7	59	46	38	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19				19
8	54	42	34	29	50	39	32	27	34	29	24	29	25	22	25	22	19	17				17
9	51	38	31	26	47	36	29	24	31	26	22	27	23	19	23	20	17	15				15
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	21	18	15	13				13

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

	0°	90°	180°	270°
0°	16597	16597	16597	16597
5°	16727	16754	16727	13174
10°	16622	16504	16622	11799
15°	16447	16146	16447	13482
20°	16110	15723	16110	13510
25°	15412	15105	15412	13224
30°	14508	14592	14508	12596
35°	12940	13943	12940	11905
40°	10788	13179	10788	11383
45°	9646	12285	9646	10783
50°	10256	11219	10256	10180
55°	9658	10070	9658	9832
60°	9969	8553	9969	9005
65°	9053	7070	9053	7903
70°	6283	5634	6283	6625
75°	5531	4165	5531	4987
80°	4490	2754	4490	2998
85°	2631	1459	2631	1240

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14775 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	484.4	1.9
10°-20°	1375.3	5.3
20°-30°	2125.9	8.2
30°-40°	2537.9	9.8
40°-50°	2552.8	9.8
50°-60°	2221.2	8.6
60°-70°	1574.9	6.1
70°-80°	833.2	3.2
80°-90°	214.6	0.8
90°-100°	906.3	3.5
100°-110°	2382.7	9.2
110°-120°	2470.6	9.5
120°-130°	1981.7	7.6
130°-140°	1555.0	6.0
140°-150°	1193.5	4.6
150°-160°	859.5	3.3
160°-170°	525.9	2.0
170°-180°	177.7	0.7
0°-30°	3985.6	15.3
0°-40°	6523.4	25.1
0°-60°	11297.4	43.5
0°-90°	13920.1	53.6
90°-120°	5759.6	22.2
90°-150°	10489.8	40.4
90°-180°	12053.0	46.4
0°-180°	25973.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5366	5366	5366	5366	5366	
5°	5391	5559	5391	4371	5391	511
15°	5148	5508	5148	4599	5148	1448
25°	4533	5138	4533	4498	4533	2082
35°	3447	4584	3447	3914	3447	2133
45°	2224	3777	2224	3315	2224	1781
55°	1812	2787	1812	2721	1812	1665
65°	1259	1680	1259	1878	1259	1203
75°	477	797	477	954	477	502
85°	81	203	81	173	81	110
90°	12	47	12	47	12	14
95°	120	548	120	548	120	133
105°	429	3731	429	3731	429	455
115°	762	4804	762	4804	762	753
125°	1061	3826	1061	3826	1061	942
135°	1264	2969	1264	2969	1264	978
145°	1466	2408	1466	2408	1466	919
155°	1657	2074	1657	2074	1657	761
165°	1788	1932	1788	1932	1788	505
175°	1859	1872	1859	1872	1859	176
180°	1859	1859	1859	1859	1859	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5411.7	5411.7	5442.1	5452.3	5452.3	5437.0	5421.8	5437.0	5482.7	5498.0	5492.9
5°	5391.3	5432.0	5487.8	5498.0	5508.1	5503.0	5492.9	5503.0	5553.8	5564.0	5569.0
7.5°	5350.7	5426.9	5498.0	5513.2	5528.4	5513.2	5508.1	5518.3	5569.0	5579.2	5579.2
10°	5300.0	5406.6	5487.8	5498.0	5513.2	5498.0	5498.0	5518.3	5569.0	5579.2	5584.3
12.5°	5228.9	5376.1	5452.3	5462.4	5482.7	5477.6	5472.6	5492.9	5543.6	5553.8	5553.8
15°	5147.7	5320.3	5391.3	5401.5	5437.0	5426.9	5426.9	5447.2	5503.0	5518.3	5513.2
17.5°	5036.0	5249.2	5330.4	5345.7	5371.0	5366.0	5371.0	5391.3	5442.1	5452.3	5457.3
20°	4909.1	5152.7	5249.2	5264.4	5289.8	5289.8	5289.8	5315.2	5366.0	5386.3	5386.3
22.5°	4736.5	5051.2	5152.7	5162.9	5193.4	5193.4	5203.5	5239.0	5284.7	5289.8	5289.8
25°	4533.4	4939.5	5025.8	5056.3	5086.8	5102.0	5117.2	5137.5	5152.7	5147.7	5152.7
27.5°	4320.2	4797.4	4909.1	4929.4	4970.0	4985.2	5005.5	5010.6	5015.7	5030.9	5020.8
30°	4081.6	4599.4	4766.9	4787.2	4853.2	4863.4	4843.1	4853.2	4878.6	4888.8	4898.9
32.5°	3812.5	4305.0	4619.7	4665.4	4726.3	4695.9	4690.8	4706.0	4746.6	4746.6	4756.8
35°	3447.0	4076.5	4482.6	4523.2	4568.9	4533.4	4553.7	4558.8	4584.2	4599.4	4594.3
37.5°	3046.0	3878.5	4340.5	4371.0	4406.5	4360.8	4391.3	4406.5	4426.8	4416.6	4416.6
40°	2690.6	3568.8	4173.0	4193.3	4223.7	4188.2	4218.7	4228.8	4239.0	4228.8	4223.7
42.5°	2426.6	3228.7	3995.3	4020.7	4000.4	4025.7	4035.9	4056.2	4041.0	4020.7	4020.7
45°	2223.5	3137.3	3802.4	3832.8	3802.4	3843.0	3858.2	3858.2	3812.5	3802.4	3797.3
47.5°	2157.6	2954.6	3609.5	3609.5	3594.2	3645.0	3670.4	3634.8	3589.2	3573.9	3573.9
50°	2152.5	2751.5	3345.5	3325.2	3396.2	3457.2	3431.8	3396.2	3360.7	3304.9	3304.9
52.5°	1954.5	2502.8	3005.3	3081.5	3193.2	3228.7	3188.1	3152.6	3091.6	3066.3	3046.0
55°	1812.3	2243.9	2695.7	2848.0	2964.7	3010.4	2934.3	2898.7	2807.4	2792.1	2782.0
57.5°	1781.9	1868.2	2411.4	2604.3	2746.4	2741.4	2695.7	2629.7	2553.5	2538.3	2533.2
60°	1634.7	1350.4	2106.8	2335.2	2482.5	2467.2	2426.6	2365.7	2294.6	2284.5	2274.3
62.5°	1482.4	979.8	1761.6	2020.5	2228.6	2223.5	2188.0	2096.6	2045.9	2020.5	2000.2
65°	1259.0	822.4	1253.9	1680.4	1979.9	1990.0	1913.9	1847.9	1792.0	1761.6	1756.5
67.5°	959.5	670.1	847.8	1401.1	1741.3	1731.1	1634.7	1604.2	1533.1	1517.9	1487.4
70°	710.7	446.7	588.9	1137.2	1507.7	1482.4	1406.2	1370.7	1304.7	1269.1	1248.8
72.5°	588.9	360.4	431.5	883.3	1269.1	1238.7	1172.7	1132.1	1076.2	1045.8	1025.5
75°	477.2	380.7	330.0	654.9	1030.5	1010.2	949.3	908.7	863.0	822.4	827.5
77.5°	350.3	355.4	264.0	482.3	817.3	786.9	751.3	700.6	680.3	639.7	639.7
80°	264.0	279.2	198.0	330.0	588.9	588.9	558.4	522.9	487.4	467.0	467.0
82.5°	177.7	177.7	147.2	208.1	401.1	385.8	365.5	355.4	335.1	324.9	324.9
85°	81.2	101.5	91.4	126.9	218.3	228.4	228.4	218.3	213.2	203.1	208.1
87.5°	25.4	45.7	55.8	71.1	111.7	116.8	121.8	121.8	121.8	126.9	126.9
90°	12.5	22.5	32.4	34.9	54.9	81.5	94.8	84.3	63.2	47.4	47.4
92.5°	49.9	134.7	219.6	240.8	338.6	468.9	534.1	468.1	336.1	237.1	227.7
95°	119.8	275.1	430.4	469.2	833.1	1318.4	1561.0	1393.0	1056.9	804.8	776.2
97.5°	207.1	344.1	481.1	515.4	1122.2	1931.3	2335.9	2229.7	2017.3	1858.0	1803.7
100°	274.5	398.7	522.9	554.0	1227.4	2125.3	2574.3	2582.1	2597.6	2609.2	2544.5
102.5°	331.9	447.8	563.7	592.7	1275.7	2186.4	2641.7	2777.0	3047.6	3250.6	3195.1
105°	429.3	527.4	625.6	650.1	1311.5	2193.3	2634.2	2937.6	3544.3	3999.3	3969.5
107.5°	529.1	620.6	712.1	735.0	1318.1	2095.6	2484.4	2907.6	3753.9	4388.6	4395.8
110°	596.5	679.1	761.7	782.4	1308.1	2009.1	2359.6	2832.7	3778.8	4488.4	4519.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	662.6	741.4	820.1	839.8	1308.6	1933.6	2246.1	2730.3	3698.6	4424.8	4472.5
115°	762.4	835.1	907.7	925.9	1320.6	1846.9	2110.1	2576.5	3509.3	4208.9	4275.0
117.5°	861.0	927.0	993.0	1009.5	1345.2	1792.7	2016.5	2437.4	3279.3	3910.7	3984.0
120°	918.4	980.5	1042.7	1058.2	1365.2	1774.5	1979.1	2363.7	3132.9	3709.8	3781.1
122.5°	974.6	1037.3	1099.9	1115.6	1393.9	1764.9	1950.4	2296.7	2989.4	3508.9	3579.2
125°	1060.7	1117.8	1174.9	1189.2	1432.5	1757.0	1919.2	2213.4	2801.8	3243.1	3307.8
127.5°	1130.5	1188.2	1245.9	1260.3	1471.2	1752.4	1893.0	2145.6	2650.8	3029.7	3084.3
130°	1168.0	1230.1	1292.2	1307.7	1499.5	1755.2	1883.0	2107.9	2557.7	2895.0	2945.5
132.5°	1206.7	1268.8	1330.9	1346.4	1522.3	1756.9	1874.2	2075.5	2478.2	2780.2	2825.4
135°	1264.1	1320.6	1377.2	1391.3	1547.3	1755.3	1859.3	2027.9	2365.0	2617.9	2656.9
137.5°	1322.7	1378.7	1434.7	1448.7	1584.7	1766.1	1856.8	1999.3	2284.4	2498.2	2530.1
140°	1371.4	1423.0	1474.5	1487.4	1607.6	1767.9	1848.0	1971.1	2217.4	2402.1	2431.9
142.5°	1408.8	1456.5	1504.2	1516.1	1626.7	1774.2	1848.0	1956.2	2172.5	2334.7	2360.3
145°	1466.2	1507.8	1549.4	1559.8	1651.7	1774.3	1835.6	1924.0	2100.9	2233.6	2253.0
147.5°	1523.6	1564.1	1604.6	1614.7	1688.3	1786.5	1835.6	1905.2	2044.4	2148.8	2164.9
150°	1561.0	1597.6	1634.2	1643.4	1707.5	1792.9	1835.6	1894.4	2011.9	2100.1	2113.1
152.5°	1599.7	1627.4	1655.2	1662.1	1719.9	1797.0	1835.6	1885.8	1986.1	2061.4	2071.2
155°	1657.1	1677.6	1698.2	1703.3	1747.4	1806.2	1835.6	1875.5	1955.3	2015.2	2021.7
157.5°	1699.5	1719.5	1739.5	1744.5	1774.9	1815.4	1835.6	1866.6	1928.7	1975.3	1979.9
160°	1728.2	1743.8	1759.3	1763.2	1787.3	1819.5	1835.6	1862.2	1915.4	1955.3	1957.9
162.5°	1756.9	1768.5	1780.2	1783.1	1800.6	1823.9	1835.6	1858.0	1902.9	1936.6	1939.1
165°	1788.1	1798.6	1809.2	1811.8	1819.7	1830.3	1835.6	1851.7	1883.8	1907.9	1910.5
167.5°	1816.8	1821.8	1826.8	1828.1	1834.7	1843.6	1848.0	1858.6	1879.7	1895.5	1896.6
170°	1835.6	1840.6	1845.6	1846.8	1847.2	1847.7	1848.0	1858.6	1879.7	1895.5	1895.5
172.5°	1845.5	1846.6	1847.7	1848.0	1848.0	1848.0	1848.0	1856.3	1873.0	1885.5	1884.5
175°	1859.3	1859.3	1859.3	1859.3	1855.5	1850.5	1848.0	1853.3	1863.8	1871.7	1871.7
177.5°	1859.3	1859.3	1859.3	1859.3	1856.4	1852.5	1850.5	1854.7	1863.0	1869.2	1868.1
180°	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5503.0	5487.8	5503.0	5492.9	5498.0	5482.7	5437.0	5421.8	5437.0	5452.3	5452.3
5°	5569.0	5558.9	5569.0	5569.0	5564.0	5553.8	5503.0	5492.9	5503.0	5508.1	5498.0
7.5°	5589.3	5574.1	5589.3	5579.2	5579.2	5569.0	5518.3	5508.1	5513.2	5528.4	5513.2
10°	5589.3	5574.1	5589.3	5584.3	5579.2	5569.0	5518.3	5498.0	5498.0	5513.2	5498.0
12.5°	5564.0	5553.8	5564.0	5553.8	5553.8	5543.6	5492.9	5472.6	5477.6	5482.7	5462.4
15°	5523.3	5508.1	5523.3	5513.2	5518.3	5503.0	5447.2	5426.9	5426.9	5437.0	5401.5
17.5°	5462.4	5442.1	5462.4	5457.3	5452.3	5442.1	5391.3	5371.0	5366.0	5371.0	5345.7
20°	5391.3	5376.1	5391.3	5386.3	5386.3	5366.0	5315.2	5289.8	5289.8	5289.8	5264.4
22.5°	5279.7	5264.4	5279.7	5289.8	5289.8	5284.7	5239.0	5203.5	5193.4	5193.4	5162.9
25°	5152.7	5137.5	5152.7	5152.7	5147.7	5152.7	5137.5	5117.2	5102.0	5086.8	5056.3
27.5°	5030.9	5020.8	5030.9	5020.8	5030.9	5015.7	5010.6	5005.5	4985.2	4970.0	4929.4
30°	4909.1	4898.9	4909.1	4898.9	4888.8	4878.6	4853.2	4843.1	4863.4	4853.2	4787.2
32.5°	4756.8	4746.6	4756.8	4756.8	4746.6	4746.6	4706.0	4690.8	4695.9	4726.3	4665.4
35°	4599.4	4584.2	4599.4	4594.3	4599.4	4584.2	4558.8	4553.7	4533.4	4568.9	4523.2
37.5°	4416.6	4401.4	4416.6	4416.6	4416.6	4426.8	4406.5	4391.3	4360.8	4406.5	4371.0
40°	4228.8	4208.5	4228.8	4223.7	4228.8	4239.0	4228.8	4218.7	4188.2	4223.7	4193.3
42.5°	4015.6	4010.5	4015.6	4020.7	4020.7	4041.0	4056.2	4035.9	4025.7	4000.4	4020.7
45°	3787.1	3777.0	3787.1	3797.3	3802.4	3812.5	3858.2	3858.2	3843.0	3802.4	3832.8
47.5°	3543.5	3518.1	3543.5	3573.9	3573.9	3589.2	3634.8	3670.4	3645.0	3594.2	3609.5
50°	3284.6	3289.6	3284.6	3304.9	3304.9	3360.7	3396.2	3431.8	3457.2	3396.2	3325.2
52.5°	3030.7	3025.7	3030.7	3046.0	3066.3	3091.6	3152.6	3188.1	3228.7	3193.2	3081.5
55°	2776.9	2787.1	2776.9	2782.0	2792.1	2807.4	2898.7	2934.3	3010.4	2964.7	2848.0
57.5°	2523.1	2507.8	2523.1	2533.2	2538.3	2553.5	2629.7	2695.7	2741.4	2746.4	2604.3
60°	2228.6	2208.3	2228.6	2274.3	2284.5	2294.6	2365.7	2426.6	2467.2	2482.5	2335.2
62.5°	1969.7	1934.2	1969.7	2000.2	2020.5	2045.9	2096.6	2188.0	2223.5	2228.6	2020.5
65°	1695.6	1680.4	1695.6	1756.5	1761.6	1792.0	1847.9	1913.9	1990.0	1979.9	1680.4
67.5°	1446.8	1446.8	1446.8	1487.4	1517.9	1533.1	1604.2	1634.7	1731.1	1741.3	1401.1
70°	1218.4	1213.3	1218.4	1248.8	1269.1	1304.7	1370.7	1406.2	1482.4	1507.7	1137.2
72.5°	1000.1	995.0	1000.1	1025.5	1045.8	1076.2	1132.1	1172.7	1238.7	1269.1	883.3
75°	807.2	797.0	807.2	827.5	822.4	863.0	908.7	949.3	1010.2	1030.5	654.9
77.5°	619.3	619.3	619.3	639.7	639.7	680.3	700.6	751.3	786.9	817.3	482.3
80°	462.0	456.9	462.0	467.0	467.0	487.4	522.9	558.4	588.9	588.9	330.0
82.5°	324.9	314.7	324.9	324.9	324.9	335.1	355.4	365.5	385.8	401.1	208.1
85°	203.1	203.1	203.1	208.1	203.1	213.2	218.3	228.4	228.4	218.3	126.9
87.5°	132.0	126.9	132.0	126.9	126.9	121.8	121.8	121.8	116.8	111.7	71.1
90°	47.4	47.4	47.4	47.4	47.4	63.2	84.3	94.8	81.5	54.9	34.9
92.5°	189.9	152.2	189.9	227.7	237.1	336.1	468.1	534.1	468.9	338.6	240.8
95°	662.0	547.8	662.0	776.2	804.8	1056.9	1393.0	1561.0	1318.4	833.1	469.2
97.5°	1586.3	1368.9	1586.3	1803.7	1858.0	2017.3	2229.7	2335.9	1931.3	1122.2	515.4
100°	2285.5	2026.5	2285.5	2544.5	2609.2	2597.6	2582.1	2574.3	2125.3	1227.4	554.0
102.5°	2973.3	2751.5	2973.3	3195.1	3250.6	3047.6	2777.0	2641.7	2186.4	1275.7	592.7
105°	3850.2	3731.0	3850.2	3969.5	3999.3	3544.3	2937.6	2634.2	2193.3	1311.5	650.1
107.5°	4424.7	4453.5	4424.7	4395.8	4388.6	3753.9	2907.6	2484.4	2095.6	1318.1	735.0
110°	4643.7	4768.0	4643.7	4519.5	4488.4	3778.8	2832.7	2359.6	2009.1	1308.1	782.4





TEST NUMBER: P935313

CATALOG NUMBER: SQ4-FA-100U-125D-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4663.3	4854.1	4663.3	4472.5	4424.8	3698.6	2730.3	2246.1	1933.6	1308.6	839.8
115°	4539.6	4804.1	4539.6	4275.0	4208.9	3509.3	2576.5	2110.1	1846.9	1320.6	925.9
117.5°	4277.4	4570.8	4277.4	3984.0	3910.7	3279.3	2437.4	2016.5	1792.7	1345.2	1009.5
120°	4066.1	4351.2	4066.1	3781.1	3709.8	3132.9	2363.7	1979.1	1774.5	1365.2	1058.2
122.5°	3860.3	4141.5	3860.3	3579.2	3508.9	2989.4	2296.7	1950.4	1764.9	1393.9	1115.6
125°	3566.8	3825.8	3566.8	3307.8	3243.1	2801.8	2213.4	1919.2	1757.0	1432.5	1189.2
127.5°	3302.9	3521.4	3302.9	3084.3	3029.7	2650.8	2145.6	1893.0	1752.4	1471.2	1260.3
130°	3147.3	3349.2	3147.3	2945.5	2895.0	2557.7	2107.9	1883.0	1755.2	1499.5	1307.7
132.5°	3006.2	3187.0	3006.2	2825.4	2780.2	2478.2	2075.5	1874.2	1756.9	1522.3	1346.4
135°	2812.7	2968.6	2812.7	2656.9	2617.9	2365.0	2027.9	1859.3	1755.3	1547.3	1391.3
137.5°	2657.6	2785.2	2657.6	2530.1	2498.2	2284.4	1999.3	1856.8	1766.1	1584.7	1448.7
140°	2551.2	2670.4	2551.2	2431.9	2402.1	2217.4	1971.1	1848.0	1767.9	1607.6	1487.4
142.5°	2462.9	2565.5	2462.9	2360.3	2334.7	2172.5	1956.2	1848.0	1774.2	1626.7	1516.1
145°	2330.7	2408.3	2330.7	2253.0	2233.6	2100.9	1924.0	1835.6	1774.3	1651.7	1559.8
147.5°	2229.2	2293.5	2229.2	2164.9	2148.8	2044.4	1905.2	1835.6	1786.5	1688.3	1614.7
150°	2165.3	2217.4	2165.3	2113.1	2100.1	2011.9	1894.4	1835.6	1792.9	1707.5	1643.4
152.5°	2110.6	2150.0	2110.6	2071.2	2061.4	1986.1	1885.8	1835.6	1797.0	1719.9	1662.1
155°	2047.8	2073.9	2047.8	2021.7	2015.2	1955.3	1875.5	1835.6	1806.2	1747.4	1703.3
157.5°	1998.2	2016.5	1998.2	1979.9	1975.3	1928.7	1866.6	1835.6	1815.4	1774.9	1744.5
160°	1968.5	1979.1	1968.5	1957.9	1955.3	1915.4	1862.2	1835.6	1819.5	1787.3	1763.2
162.5°	1949.1	1959.1	1949.1	1939.1	1936.6	1902.9	1858.0	1835.6	1823.9	1800.6	1783.1
165°	1921.1	1931.6	1921.1	1910.5	1907.9	1883.8	1851.7	1835.6	1830.3	1819.7	1811.8
167.5°	1901.0	1905.4	1901.0	1896.6	1895.5	1879.7	1858.6	1848.0	1843.6	1834.7	1828.1
170°	1895.5	1895.5	1895.5	1895.5	1895.5	1879.7	1858.6	1848.0	1847.7	1847.2	1846.8
172.5°	1880.6	1876.7	1880.6	1884.5	1885.5	1873.0	1856.3	1848.0	1848.0	1848.0	1848.0
175°	1871.7	1871.7	1871.7	1871.7	1871.7	1863.8	1853.3	1848.0	1850.5	1855.5	1859.3
177.5°	1863.7	1859.3	1863.7	1868.1	1869.2	1863.0	1854.7	1850.5	1852.5	1856.4	1859.3
180°	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5442.1	5411.7	5411.7	5360.9	5340.6	5325.4	5300.0	5223.8	5203.5	5183.2	5213.7
5°	5487.8	5432.0	5391.3	5300.0	5223.8	5193.4	5096.9	4914.1	4792.3	4700.9	4650.2
7.5°	5498.0	5426.9	5350.7	5208.6	5025.8	4944.6	4650.2	4315.1	4223.7	4142.5	4091.7
10°	5487.8	5406.6	5300.0	5086.8	4655.2	4513.1	4218.7	4000.4	3944.5	3929.3	3944.5
12.5°	5452.3	5376.1	5228.9	4873.5	4269.4	4173.0	4000.4	3873.4	3863.3	3888.7	4025.7
15°	5391.3	5320.3	5147.7	4589.2	4056.2	3985.1	3863.3	3817.6	3873.4	4051.1	4462.3
17.5°	5330.4	5249.2	5036.0	4310.0	3893.8	3843.0	3756.7	3848.1	4162.8	4401.4	4538.5
20°	5249.2	5152.7	4909.1	4107.0	3777.0	3731.3	3690.7	4101.9	4340.5	4426.8	4502.9
22.5°	5152.7	5051.2	4736.5	3964.8	3655.2	3619.6	3645.0	4244.0	4340.5	4401.4	4467.4
25°	5025.8	4939.5	4533.4	3853.1	3558.7	3518.1	3614.5	4228.8	4284.6	4299.9	4431.9
27.5°	4909.1	4797.4	4320.2	3751.6	3441.9	3426.7	3639.9	4162.8	4203.4	4218.7	4360.8
30°	4766.9	4599.4	4081.6	3645.0	3320.1	3315.0	3645.0	4081.6	4071.4	4112.0	4254.2
32.5°	4619.7	4305.0	3812.5	3513.0	3203.3	3198.3	3609.5	3959.7	3949.6	4005.4	4112.0
35°	4482.6	4076.5	3447.0	3360.7	3056.1	3061.2	3523.2	3817.6	3822.7	3873.4	3939.4
37.5°	4340.5	3878.5	3046.0	3193.2	2914.0	2914.0	3406.4	3685.6	3675.5	3690.7	3782.1
40°	4173.0	3568.8	2690.6	2974.9	2782.0	2766.7	3264.3	3543.5	3507.9	3502.9	3629.8
42.5°	3995.3	3228.7	2426.6	2685.5	2629.7	2609.4	3091.6	3370.9	3304.9	3320.1	3482.5
45°	3802.4	3137.3	2223.5	2269.2	2472.3	2457.1	2903.8	3172.9	3127.2	3167.8	3335.3
47.5°	3609.5	2954.6	2157.6	1883.4	2304.8	2299.7	2695.7	2980.0	2954.6	2995.2	3172.9
50°	3345.5	2751.5	2152.5	1614.4	2116.9	2137.2	2446.9	2792.1	2792.1	2827.7	3015.5
52.5°	3005.3	2502.8	1954.5	1462.1	1898.6	1959.6	2228.6	2629.7	2639.8	2675.4	2842.9
55°	2695.7	2243.9	1812.3	1345.3	1639.7	1771.7	2015.4	2462.1	2482.5	2518.0	2670.3
57.5°	2411.4	1868.2	1781.9	1208.2	1401.1	1528.1	1827.6	2299.7	2309.9	2340.3	2487.5
60°	2106.8	1350.4	1634.7	1061.0	1193.0	1289.5	1655.0	2106.8	2142.3	2162.6	2289.5
62.5°	1761.6	979.8	1482.4	959.5	1091.5	1111.8	1512.8	1924.0	1969.7	1984.9	2061.1
65°	1253.9	822.4	1259.0	873.2	984.9	989.9	1360.5	1736.2	1776.8	1802.2	1858.0
67.5°	847.8	670.1	959.5	791.9	903.6	908.7	1213.3	1517.9	1573.7	1594.1	1629.6
70°	588.9	446.7	710.7	705.6	812.3	822.4	1055.9	1319.9	1370.7	1385.9	1406.2
72.5°	431.5	360.4	588.9	634.6	715.8	726.0	893.5	1096.5	1147.3	1162.5	1172.7
75°	330.0	380.7	477.2	553.3	609.2	614.3	731.0	893.5	929.0	939.2	944.2
77.5°	264.0	355.4	350.3	446.7	497.5	487.4	573.7	690.4	720.9	720.9	720.9
80°	198.0	279.2	264.0	319.8	365.5	355.4	411.2	492.4	502.6	512.7	507.7
82.5°	147.2	177.7	177.7	203.1	243.7	233.5	274.1	319.8	319.8	319.8	330.0
85°	91.4	101.5	81.2	106.6	137.1	132.0	152.3	172.6	177.7	177.7	167.5
87.5°	55.8	45.7	25.4	40.6	60.9	60.9	71.1	76.1	71.1	71.1	71.1
90°	32.4	22.5	12.5	22.5	32.4	34.9	54.9	81.5	94.8	84.3	63.2
92.5°	219.6	134.7	49.9	134.7	219.6	240.8	338.6	468.9	534.1	468.1	336.1
95°	430.4	275.1	119.8	275.1	430.4	469.2	833.1	1318.4	1561.0	1393.0	1056.9
97.5°	481.1	344.1	207.1	344.1	481.1	515.4	1122.2	1931.3	2335.9	2229.7	2017.3
100°	522.9	398.7	274.5	398.7	522.9	554.0	1227.4	2125.3	2574.3	2582.1	2597.6
102.5°	563.7	447.8	331.9	447.8	563.7	592.7	1275.7	2186.4	2641.7	2777.0	3047.6
105°	625.6	527.4	429.3	527.4	625.6	650.1	1311.5	2193.3	2634.2	2937.6	3544.3
107.5°	712.1	620.6	529.1	620.6	712.1	735.0	1318.1	2095.6	2484.4	2907.6	3753.9
110°	761.7	679.1	596.5	679.1	761.7	782.4	1308.1	2009.1	2359.6	2832.7	3778.8



TEST NUMBER: P935313

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	820.1	741.4	662.6	741.4	820.1	839.8	1308.6	1933.6	2246.1	2730.3	3698.6
115°	907.7	835.1	762.4	835.1	907.7	925.9	1320.6	1846.9	2110.1	2576.5	3509.3
117.5°	993.0	927.0	861.0	927.0	993.0	1009.5	1345.2	1792.7	2016.5	2437.4	3279.3
120°	1042.7	980.5	918.4	980.5	1042.7	1058.2	1365.2	1774.5	1979.1	2363.7	3132.9
122.5°	1099.9	1037.3	974.6	1037.3	1099.9	1115.6	1393.9	1764.9	1950.4	2296.7	2989.4
125°	1174.9	1117.8	1060.7	1117.8	1174.9	1189.2	1432.5	1757.0	1919.2	2213.4	2801.8
127.5°	1245.9	1188.2	1130.5	1188.2	1245.9	1260.3	1471.2	1752.4	1893.0	2145.6	2650.8
130°	1292.2	1230.1	1168.0	1230.1	1292.2	1307.7	1499.5	1755.2	1883.0	2107.9	2557.7
132.5°	1330.9	1268.8	1206.7	1268.8	1330.9	1346.4	1522.3	1756.9	1874.2	2075.5	2478.2
135°	1377.2	1320.6	1264.1	1320.6	1377.2	1391.3	1547.3	1755.3	1859.3	2027.9	2365.0
137.5°	1434.7	1378.7	1322.7	1378.7	1434.7	1448.7	1584.7	1766.1	1856.8	1999.3	2284.4
140°	1474.5	1423.0	1371.4	1423.0	1474.5	1487.4	1607.6	1767.9	1848.0	1971.1	2217.4
142.5°	1504.2	1456.5	1408.8	1456.5	1504.2	1516.1	1626.7	1774.2	1848.0	1956.2	2172.5
145°	1549.4	1507.8	1466.2	1507.8	1549.4	1559.8	1651.7	1774.3	1835.6	1924.0	2100.9
147.5°	1604.6	1564.1	1523.6	1564.1	1604.6	1614.7	1688.3	1786.5	1835.6	1905.2	2044.4
150°	1634.2	1597.6	1561.0	1597.6	1634.2	1643.4	1707.5	1792.9	1835.6	1894.4	2011.9
152.5°	1655.2	1627.4	1599.7	1627.4	1655.2	1662.1	1719.9	1797.0	1835.6	1885.8	1986.1
155°	1698.2	1677.6	1657.1	1677.6	1698.2	1703.3	1747.4	1806.2	1835.6	1875.5	1955.3
157.5°	1739.5	1719.5	1699.5	1719.5	1739.5	1744.5	1774.9	1815.4	1835.6	1866.6	1928.7
160°	1759.3	1743.8	1728.2	1743.8	1759.3	1763.2	1787.3	1819.5	1835.6	1862.2	1915.4
162.5°	1780.2	1768.5	1756.9	1768.5	1780.2	1783.1	1800.6	1823.9	1835.6	1858.0	1902.9
165°	1809.2	1798.6	1788.1	1798.6	1809.2	1811.8	1819.7	1830.3	1835.6	1851.7	1883.8
167.5°	1826.8	1821.8	1816.8	1821.8	1826.8	1828.1	1834.7	1843.6	1848.0	1858.6	1879.7
170°	1845.6	1840.6	1835.6	1840.6	1845.6	1846.8	1847.2	1847.7	1848.0	1858.6	1879.7
172.5°	1847.7	1846.6	1845.5	1846.6	1847.7	1848.0	1848.0	1848.0	1848.0	1856.3	1873.0
175°	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1855.5	1850.5	1848.0	1853.3	1863.8
177.5°	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1856.4	1852.5	1850.5	1854.7	1863.0
180°	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3



TEST NUMBER: P935313

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5178.1	5162.9	5183.2	5127.4	5183.2	5162.9	5178.1	5213.7	5183.2	5203.5	5223.8
5°	4543.6	4518.2	4436.9	4371.0	4436.9	4518.2	4543.6	4650.2	4700.9	4792.3	4914.1
7.5°	4061.3	4041.0	4020.7	3980.1	4020.7	4041.0	4061.3	4091.7	4142.5	4223.7	4315.1
10°	3954.7	3959.7	3990.2	3985.1	3990.2	3959.7	3954.7	3944.5	3929.3	3944.5	4000.4
12.5°	4228.8	4274.5	4442.0	4431.9	4442.0	4274.5	4228.8	4025.7	3888.7	3863.3	3873.4
15°	4543.6	4558.8	4594.3	4599.4	4594.3	4558.8	4543.6	4462.3	4051.1	3873.4	3817.6
17.5°	4574.0	4579.1	4604.5	4604.5	4604.5	4579.1	4574.0	4538.5	4401.4	4162.8	3848.1
20°	4548.6	4558.8	4609.6	4619.7	4609.6	4558.8	4548.6	4502.9	4426.8	4340.5	4101.9
22.5°	4538.5	4558.8	4599.4	4594.3	4599.4	4558.8	4538.5	4467.4	4401.4	4340.5	4244.0
25°	4487.7	4487.7	4492.8	4497.9	4492.8	4487.7	4487.7	4431.9	4299.9	4284.6	4228.8
27.5°	4381.1	4391.3	4421.7	4416.6	4421.7	4391.3	4381.1	4360.8	4218.7	4203.4	4162.8
30°	4284.6	4274.5	4249.1	4228.8	4249.1	4274.5	4284.6	4254.2	4112.0	4071.4	4081.6
32.5°	4122.2	4096.8	4071.4	4056.2	4071.4	4096.8	4122.2	4112.0	4005.4	3949.6	3959.7
35°	3929.3	3934.4	3929.3	3914.1	3929.3	3934.4	3929.3	3939.4	3873.4	3822.7	3817.6
37.5°	3792.2	3802.4	3797.3	3777.0	3797.3	3802.4	3792.2	3782.1	3690.7	3675.5	3685.6
40°	3650.1	3655.2	3650.1	3634.8	3650.1	3655.2	3650.1	3629.8	3502.9	3507.9	3543.5
42.5°	3513.0	3507.9	3492.7	3482.5	3492.7	3507.9	3513.0	3482.5	3320.1	3304.9	3370.9
45°	3355.6	3360.7	3330.2	3315.0	3330.2	3360.7	3355.6	3335.3	3167.8	3127.2	3172.9
47.5°	3198.3	3198.3	3172.9	3157.6	3172.9	3198.3	3198.3	3172.9	2995.2	2954.6	2980.0
50°	3030.7	3025.7	2990.1	2985.0	2990.1	3025.7	3030.7	3015.5	2827.7	2792.1	2792.1
52.5°	2837.8	2837.8	2842.9	2853.0	2842.9	2837.8	2837.8	2842.9	2675.4	2639.8	2629.7
55°	2670.3	2675.4	2710.9	2721.1	2710.9	2675.4	2670.3	2670.3	2518.0	2482.5	2462.1
57.5°	2497.7	2497.7	2523.1	2523.1	2523.1	2497.7	2497.7	2487.5	2340.3	2309.9	2299.7
60°	2299.7	2309.9	2330.2	2325.1	2330.2	2309.9	2299.7	2289.5	2162.6	2142.3	2106.8
62.5°	2091.6	2101.7	2106.8	2096.6	2106.8	2101.7	2091.6	2061.1	1984.9	1969.7	1924.0
65°	1873.3	1883.4	1888.5	1878.3	1888.5	1883.4	1873.3	1858.0	1802.2	1776.8	1736.2
67.5°	1649.9	1644.8	1639.7	1660.0	1639.7	1644.8	1649.9	1629.6	1594.1	1573.7	1517.9
70°	1421.4	1421.4	1416.4	1426.5	1416.4	1421.4	1421.4	1406.2	1385.9	1370.7	1319.9
72.5°	1177.8	1172.7	1193.0	1177.8	1193.0	1172.7	1177.8	1172.7	1162.5	1147.3	1096.5
75°	939.2	949.3	939.2	954.4	939.2	949.3	939.2	944.2	939.2	929.0	893.5
77.5°	715.8	726.0	715.8	715.8	715.8	726.0	715.8	720.9	720.9	720.9	690.4
80°	507.7	502.6	502.6	497.5	502.6	502.6	507.7	507.7	512.7	502.6	492.4
82.5°	324.9	319.8	319.8	330.0	319.8	319.8	324.9	330.0	319.8	319.8	319.8
85°	177.7	182.8	172.6	172.6	172.6	182.8	177.7	167.5	177.7	177.7	172.6
87.5°	66.0	60.9	60.9	60.9	60.9	60.9	66.0	71.1	71.1	71.1	76.1
90°	47.4	47.4	47.4	47.4	47.4	47.4	47.4	63.2	84.3	94.8	81.5
92.5°	237.1	227.7	189.9	152.2	189.9	227.7	237.1	336.1	468.1	534.1	468.9
95°	804.8	776.2	662.0	547.8	662.0	776.2	804.8	1056.9	1393.0	1561.0	1318.4
97.5°	1858.0	1803.7	1586.3	1368.9	1586.3	1803.7	1858.0	2017.3	2229.7	2335.9	1931.3
100°	2609.2	2544.5	2285.5	2026.5	2285.5	2544.5	2609.2	2597.6	2582.1	2574.3	2125.3
102.5°	3250.6	3195.1	2973.3	2751.5	2973.3	3195.1	3250.6	3047.6	2777.0	2641.7	2186.4
105°	3999.3	3969.5	3850.2	3731.0	3850.2	3969.5	3999.3	3544.3	2937.6	2634.2	2193.3
107.5°	4388.6	4395.8	4424.7	4453.5	4424.7	4395.8	4388.6	3753.9	2907.6	2484.4	2095.6
110°	4488.4	4519.5	4643.7	4768.0	4643.7	4519.5	4488.4	3778.8	2832.7	2359.6	2009.1



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4424.8	4472.5	4663.3	4854.1	4663.3	4472.5	4424.8	3698.6	2730.3	2246.1	1933.6
115°	4208.9	4275.0	4539.6	4804.1	4539.6	4275.0	4208.9	3509.3	2576.5	2110.1	1846.9
117.5°	3910.7	3984.0	4277.4	4570.8	4277.4	3984.0	3910.7	3279.3	2437.4	2016.5	1792.7
120°	3709.8	3781.1	4066.1	4351.2	4066.1	3781.1	3709.8	3132.9	2363.7	1979.1	1774.5
122.5°	3508.9	3579.2	3860.3	4141.5	3860.3	3579.2	3508.9	2989.4	2296.7	1950.4	1764.9
125°	3243.1	3307.8	3566.8	3825.8	3566.8	3307.8	3243.1	2801.8	2213.4	1919.2	1757.0
127.5°	3029.7	3084.3	3302.9	3521.4	3302.9	3084.3	3029.7	2650.8	2145.6	1893.0	1752.4
130°	2895.0	2945.5	3147.3	3349.2	3147.3	2945.5	2895.0	2557.7	2107.9	1883.0	1755.2
132.5°	2780.2	2825.4	3006.2	3187.0	3006.2	2825.4	2780.2	2478.2	2075.5	1874.2	1756.9
135°	2617.9	2656.9	2812.7	2968.6	2812.7	2656.9	2617.9	2365.0	2027.9	1859.3	1755.3
137.5°	2498.2	2530.1	2657.6	2785.2	2657.6	2530.1	2498.2	2284.4	1999.3	1856.8	1766.1
140°	2402.1	2431.9	2551.2	2670.4	2551.2	2431.9	2402.1	2217.4	1971.1	1848.0	1767.9
142.5°	2334.7	2360.3	2462.9	2565.5	2462.9	2360.3	2334.7	2172.5	1956.2	1848.0	1774.2
145°	2233.6	2253.0	2330.7	2408.3	2330.7	2253.0	2233.6	2100.9	1924.0	1835.6	1774.3
147.5°	2148.8	2164.9	2229.2	2293.5	2229.2	2164.9	2148.8	2044.4	1905.2	1835.6	1786.5
150°	2100.1	2113.1	2165.3	2217.4	2165.3	2113.1	2100.1	2011.9	1894.4	1835.6	1792.9
152.5°	2061.4	2071.2	2110.6	2150.0	2110.6	2071.2	2061.4	1986.1	1885.8	1835.6	1797.0
155°	2015.2	2021.7	2047.8	2073.9	2047.8	2021.7	2015.2	1955.3	1875.5	1835.6	1806.2
157.5°	1975.3	1979.9	1998.2	2016.5	1998.2	1979.9	1975.3	1928.7	1866.6	1835.6	1815.4
160°	1955.3	1957.9	1968.5	1979.1	1968.5	1957.9	1955.3	1915.4	1862.2	1835.6	1819.5
162.5°	1936.6	1939.1	1949.1	1959.1	1949.1	1939.1	1936.6	1902.9	1858.0	1835.6	1823.9
165°	1907.9	1910.5	1921.1	1931.6	1921.1	1910.5	1907.9	1883.8	1851.7	1835.6	1830.3
167.5°	1895.5	1896.6	1901.0	1905.4	1901.0	1896.6	1895.5	1879.7	1858.6	1848.0	1843.6
170°	1895.5	1895.5	1895.5	1895.5	1895.5	1895.5	1895.5	1879.7	1858.6	1848.0	1847.7
172.5°	1885.5	1884.5	1880.6	1876.7	1880.6	1884.5	1885.5	1873.0	1856.3	1848.0	1848.0
175°	1871.7	1871.7	1871.7	1871.7	1871.7	1871.7	1871.7	1863.8	1853.3	1848.0	1850.5
177.5°	1869.2	1868.1	1863.7	1859.3	1863.7	1868.1	1869.2	1863.0	1854.7	1850.5	1852.5
180°	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5300.0	5325.4	5340.6	5360.9	5411.7
5°	5096.9	5193.4	5223.8	5300.0	5391.3
7.5°	4650.2	4944.6	5025.8	5208.6	5350.7
10°	4218.7	4513.1	4655.2	5086.8	5300.0
12.5°	4000.4	4173.0	4269.4	4873.5	5228.9
15°	3863.3	3985.1	4056.2	4589.2	5147.7
17.5°	3756.7	3843.0	3893.8	4310.0	5036.0
20°	3690.7	3731.3	3777.0	4107.0	4909.1
22.5°	3645.0	3619.6	3655.2	3964.8	4736.5
25°	3614.5	3518.1	3558.7	3853.1	4533.4
27.5°	3639.9	3426.7	3441.9	3751.6	4320.2
30°	3645.0	3315.0	3320.1	3645.0	4081.6
32.5°	3609.5	3198.3	3203.3	3513.0	3812.5
35°	3523.2	3061.2	3056.1	3360.7	3447.0
37.5°	3406.4	2914.0	2914.0	3193.2	3046.0
40°	3264.3	2766.7	2782.0	2974.9	2690.6
42.5°	3091.6	2609.4	2629.7	2685.5	2426.6
45°	2903.8	2457.1	2472.3	2269.2	2223.5
47.5°	2695.7	2299.7	2304.8	1883.4	2157.6
50°	2446.9	2137.2	2116.9	1614.4	2152.5
52.5°	2228.6	1959.6	1898.6	1462.1	1954.5
55°	2015.4	1771.7	1639.7	1345.3	1812.3
57.5°	1827.6	1528.1	1401.1	1208.2	1781.9
60°	1655.0	1289.5	1193.0	1061.0	1634.7
62.5°	1512.8	1111.8	1091.5	959.5	1482.4
65°	1360.5	989.9	984.9	873.2	1259.0
67.5°	1213.3	908.7	903.6	791.9	959.5
70°	1055.9	822.4	812.3	705.6	710.7
72.5°	893.5	726.0	715.8	634.6	588.9
75°	731.0	614.3	609.2	553.3	477.2
77.5°	573.7	487.4	497.5	446.7	350.3
80°	411.2	355.4	365.5	319.8	264.0
82.5°	274.1	233.5	243.7	203.1	177.7
85°	152.3	132.0	137.1	106.6	81.2
87.5°	71.1	60.9	60.9	40.6	25.4
90°	54.9	34.9	32.4	22.5	12.5
92.5°	338.6	240.8	219.6	134.7	49.9
95°	833.1	469.2	430.4	275.1	119.8
97.5°	1122.2	515.4	481.1	344.1	207.1
100°	1227.4	554.0	522.9	398.7	274.5
102.5°	1275.7	592.7	563.7	447.8	331.9
105°	1311.5	650.1	625.6	527.4	429.3
107.5°	1318.1	735.0	712.1	620.6	529.1
110°	1308.1	782.4	761.7	679.1	596.5



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1308.6	839.8	820.1	741.4	662.6
115°	1320.6	925.9	907.7	835.1	762.4
117.5°	1345.2	1009.5	993.0	927.0	861.0
120°	1365.2	1058.2	1042.7	980.5	918.4
122.5°	1393.9	1115.6	1099.9	1037.3	974.6
125°	1432.5	1189.2	1174.9	1117.8	1060.7
127.5°	1471.2	1260.3	1245.9	1188.2	1130.5
130°	1499.5	1307.7	1292.2	1230.1	1168.0
132.5°	1522.3	1346.4	1330.9	1268.8	1206.7
135°	1547.3	1391.3	1377.2	1320.6	1264.1
137.5°	1584.7	1448.7	1434.7	1378.7	1322.7
140°	1607.6	1487.4	1474.5	1423.0	1371.4
142.5°	1626.7	1516.1	1504.2	1456.5	1408.8
145°	1651.7	1559.8	1549.4	1507.8	1466.2
147.5°	1688.3	1614.7	1604.6	1564.1	1523.6
150°	1707.5	1643.4	1634.2	1597.6	1561.0
152.5°	1719.9	1662.1	1655.2	1627.4	1599.7
155°	1747.4	1703.3	1698.2	1677.6	1657.1
157.5°	1774.9	1744.5	1739.5	1719.5	1699.5
160°	1787.3	1763.2	1759.3	1743.8	1728.2
162.5°	1800.6	1783.1	1780.2	1768.5	1756.9
165°	1819.7	1811.8	1809.2	1798.6	1788.1
167.5°	1834.7	1828.1	1826.8	1821.8	1816.8
170°	1847.2	1846.8	1845.6	1840.6	1835.6
172.5°	1848.0	1848.0	1847.7	1846.6	1845.5
175°	1855.5	1859.3	1859.3	1859.3	1859.3
177.5°	1856.4	1859.3	1859.3	1859.3	1859.3
180°	1859.3	1859.3	1859.3	1859.3	1859.3



TEST NUMBER: P935313  
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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	14.90	15.79	15.82	16.74	17.96	17.75	18.64	18.68	19.59	20.81
	3H	15.38	16.18	16.32	17.13	18.38	19.10	19.91	20.04	20.86	22.10
	4H	15.57	16.33	16.52	17.29	18.54	19.55	20.31	20.51	21.27	22.52
	6H	15.69	16.39	16.65	17.35	18.62	19.85	20.55	20.81	21.51	22.77
	8H	15.69	16.36	16.66	17.34	18.60	19.93	20.59	20.90	21.57	22.83
	12H	15.67	16.30	16.64	17.27	18.56	19.97	20.60	20.94	21.58	22.86
4H	2H	15.94	16.70	16.90	17.66	18.91	18.16	18.92	19.12	19.88	21.13
	3H	16.97	17.60	17.94	18.59	19.86	19.68	20.31	20.65	21.30	22.56
	4H	17.25	17.83	18.23	18.81	20.10	20.21	20.79	21.19	21.77	23.06
	6H	17.37	17.87	18.36	18.88	20.17	20.58	21.08	21.57	22.09	23.37
	8H	17.38	17.85	18.37	18.84	20.15	20.69	21.16	21.69	22.16	23.46
	12H	17.35	17.77	18.36	18.78	20.09	20.76	21.18	21.77	22.19	23.50
8H	4H	17.71	18.17	18.70	19.17	20.47	20.34	20.80	21.33	21.80	23.10
	6H	17.97	18.35	18.99	19.39	20.70	20.78	21.17	21.80	22.21	23.51
	8H	18.01	18.35	19.04	19.38	20.70	20.94	21.28	21.96	22.30	23.62
	12H	18.00	18.30	19.03	19.32	20.68	21.04	21.34	22.07	22.36	23.72
12H	4H	17.72	18.14	18.73	19.15	20.46	20.30	20.72	21.31	21.74	23.05
	6H	18.03	18.37	19.06	19.40	20.72	20.78	21.12	21.80	22.14	23.46
	8H	18.10	18.40	19.13	19.42	20.78	20.95	21.24	21.97	22.26	23.63