

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: P935317

Luminaire Tested: SQ4-FA-100U-125D-840-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

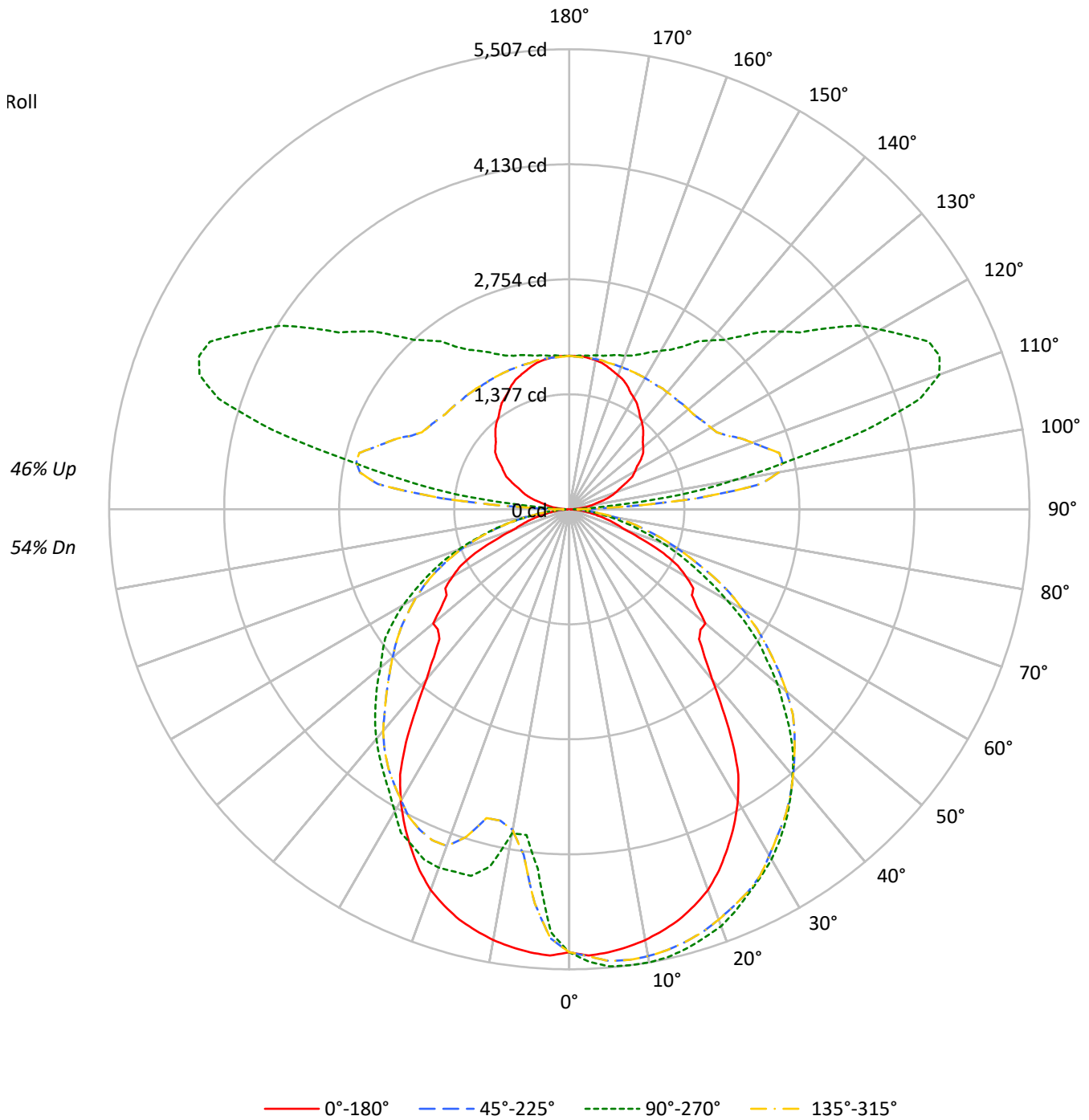
Test Method: LM-79-2019  
Report Number: P935317  
REPORT IS A COMBINATION OF REPORTS P933749 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-125D-840-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25661.3 lumens  
Efficiency: N/A  
Efficacy: 124.3 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: 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

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### 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°	16398	16398	16398	16398
5°	16526	16553	16526	13016
10°	16422	16306	16422	11657
15°	16250	15952	16250	13321
20°	15917	15534	15917	13348
25°	15227	14923	15227	13065
30°	14334	14417	14334	12445
35°	12785	13776	12785	11762
40°	10659	13021	10659	11246
45°	9530	12138	9530	10653
50°	10133	11084	10133	10058
55°	9542	9950	9542	9714
60°	9849	8450	9849	8897
65°	8944	6985	8944	7808
70°	6208	5567	6208	6545
75°	5465	4115	5465	4927
80°	4436	2720	4436	2962
85°	2599	1441	2599	1225

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14597 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	478.6	1.9
10°-20°	1358.8	5.3
20°-30°	2100.4	8.2
30°-40°	2507.4	9.8
40°-50°	2522.1	9.8
50°-60°	2194.6	8.6
60°-70°	1556.0	6.1
70°-80°	823.2	3.2
80°-90°	212.0	0.8
90°-100°	895.4	3.5
100°-110°	2354.1	9.2
110°-120°	2441.0	9.5
120°-130°	1958.0	7.6
130°-140°	1536.3	6.0
140°-150°	1179.2	4.6
150°-160°	849.2	3.3
160°-170°	519.6	2.0
170°-180°	175.5	0.7
0°-30°	3937.7	15.3
0°-40°	6445.2	25.1
0°-60°	11161.9	43.5
0°-90°	13753.0	53.6
90°-120°	5690.5	22.2
90°-150°	10364.0	40.4
90°-180°	11908.0	46.4
0°-180°	25661.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5302	5302	5302	5302	5302	
5°	5327	5492	5327	4318	5327	505
15°	5086	5442	5086	4544	5086	1431
25°	4479	5076	4479	4444	4479	2057
35°	3406	4529	3406	3867	3406	2107
45°	2197	3732	2197	3275	2197	1760
55°	1791	2754	1791	2688	1791	1645
65°	1244	1660	1244	1856	1244	1189
75°	472	787	472	943	472	496
85°	80	201	80	170	80	108
90°	12	47	12	47	12	14
95°	118	541	118	541	118	131
105°	424	3686	424	3686	424	450
115°	753	4746	753	4746	753	744
125°	1048	3780	1048	3780	1048	930
135°	1249	2933	1249	2933	1249	966
145°	1449	2379	1449	2379	1449	908
155°	1637	2049	1637	2049	1637	752
165°	1767	1908	1767	1908	1767	499
175°	1837	1849	1837	1849	1837	174
180°	1837	1837	1837	1837	1837	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6
2.5°	5346.8	5346.8	5376.8	5386.9	5386.9	5371.8	5356.7	5371.8	5416.9	5432.0	5427.0
5°	5326.6	5366.8	5421.9	5432.0	5442.0	5437.0	5427.0	5437.0	5487.2	5497.2	5502.2
7.5°	5286.5	5361.8	5432.0	5447.0	5462.1	5447.0	5442.0	5452.1	5502.2	5512.2	5512.2
10°	5236.4	5341.7	5421.9	5432.0	5447.0	5432.0	5432.0	5452.1	5502.2	5512.2	5517.3
12.5°	5166.2	5311.6	5386.9	5396.9	5416.9	5411.9	5406.9	5427.0	5477.1	5487.2	5487.2
15°	5085.9	5256.5	5326.6	5336.7	5371.8	5361.8	5361.8	5381.8	5437.0	5452.1	5447.0
17.5°	4975.6	5186.2	5266.4	5281.6	5306.5	5301.6	5306.5	5326.6	5376.8	5386.9	5391.8
20°	4850.2	5090.9	5186.2	5201.2	5226.3	5226.3	5226.3	5251.4	5301.6	5321.7	5321.7
22.5°	4679.7	4990.6	5090.9	5100.9	5131.1	5131.1	5141.1	5176.1	5221.3	5226.3	5226.3
25°	4479.0	4880.2	4965.5	4995.6	5025.8	5040.8	5055.8	5075.8	5090.9	5085.9	5090.9
27.5°	4268.4	4739.8	4850.2	4870.2	4910.4	4925.4	4945.4	4950.5	4955.5	4970.5	4960.6
30°	4032.6	4544.2	4709.7	4729.8	4795.0	4805.0	4785.0	4795.0	4820.1	4830.1	4840.1
32.5°	3766.8	4253.3	4564.3	4609.4	4669.6	4639.5	4634.5	4649.5	4689.6	4689.6	4699.7
35°	3405.6	4027.6	4428.8	4468.9	4514.1	4479.0	4499.1	4504.1	4529.2	4544.2	4539.2
37.5°	3009.4	3832.0	4288.4	4318.5	4353.6	4308.5	4338.6	4353.6	4373.7	4363.6	4363.6
40°	2658.3	3526.0	4122.9	4143.0	4173.0	4137.9	4168.1	4178.1	4188.1	4178.1	4173.0
42.5°	2397.5	3190.0	3947.4	3972.5	3952.4	3977.4	3987.5	4007.5	3992.5	3972.5	3972.5
45°	2196.8	3099.7	3756.8	3786.8	3756.8	3796.9	3811.9	3811.9	3766.8	3756.8	3751.7
47.5°	2131.7	2919.1	3566.2	3566.2	3551.1	3601.3	3626.4	3591.2	3546.1	3531.0	3531.0
50°	2126.7	2718.5	3305.4	3285.3	3355.4	3415.7	3390.6	3355.4	3320.4	3265.2	3265.2
52.5°	1931.0	2472.8	2969.2	3044.5	3154.9	3190.0	3149.8	3114.8	3054.5	3029.5	3009.4
55°	1790.6	2217.0	2663.4	2813.8	2929.1	2974.3	2899.1	2863.9	2773.7	2758.6	2748.6
57.5°	1760.5	1845.8	2382.5	2573.0	2713.4	2708.5	2663.4	2598.1	2522.9	2507.8	2502.8
60°	1615.1	1334.2	2081.5	2307.2	2452.7	2437.6	2397.5	2337.3	2267.1	2257.1	2247.0
62.5°	1464.6	968.0	1740.5	1996.3	2201.9	2196.8	2161.7	2071.4	2021.3	1996.3	1976.2
65°	1243.9	812.5	1238.9	1660.2	1956.1	1966.1	1890.9	1825.7	1770.5	1740.5	1735.4
67.5°	948.0	662.1	837.6	1384.3	1720.4	1710.3	1615.1	1584.9	1514.7	1499.7	1469.6
70°	702.2	441.3	581.8	1123.6	1489.6	1464.6	1389.3	1354.3	1289.0	1253.9	1233.8
72.5°	581.8	356.1	426.3	872.7	1253.9	1223.8	1158.6	1118.5	1063.3	1033.3	1013.2
75°	471.5	376.1	326.0	647.0	1018.1	998.1	937.9	897.8	852.6	812.5	817.6
77.5°	346.1	351.1	260.8	476.5	807.5	777.5	742.3	692.2	672.1	632.0	632.0
80°	260.8	275.8	195.6	326.0	581.8	581.8	551.7	516.6	481.6	461.4	461.4
82.5°	175.6	175.6	145.4	205.6	396.3	381.2	361.1	351.1	331.1	321.0	321.0
85°	80.2	100.3	90.3	125.4	215.7	225.7	225.7	215.7	210.6	200.7	205.6
87.5°	25.1	45.2	55.1	70.2	110.4	115.4	120.3	120.3	120.3	125.4	125.4
90°	12.4	22.2	32.0	34.5	54.2	80.5	93.7	83.3	62.4	46.8	46.8
92.5°	49.3	133.1	217.0	237.9	334.5	463.3	527.7	462.5	332.1	234.3	225.0
95°	118.4	271.8	425.2	463.6	823.1	1302.6	1542.3	1376.3	1044.2	795.1	766.9
97.5°	204.6	340.0	475.3	509.2	1108.7	1908.1	2307.9	2202.9	1993.1	1835.7	1782.1
100°	271.2	393.9	516.6	547.4	1212.7	2099.8	2543.4	2551.1	2566.4	2577.9	2514.0
102.5°	327.9	442.4	556.9	585.6	1260.4	2160.2	2610.0	2743.7	3011.0	3211.6	3156.8
105°	424.1	521.1	618.1	642.3	1295.8	2167.0	2602.6	2902.3	3501.8	3951.3	3921.9
107.5°	522.8	613.2	703.6	726.2	1302.3	2070.5	2454.6	2872.7	3708.9	4335.9	4343.1
110°	589.3	671.0	752.6	773.0	1292.4	1985.0	2331.3	2798.7	3733.5	4434.5	4465.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	654.6	732.5	810.3	829.7	1292.9	1910.4	2219.1	2697.5	3654.2	4371.7	4418.8
115°	753.3	825.1	896.8	914.8	1304.8	1824.7	2084.8	2545.6	3467.2	4158.4	4223.7
117.5°	850.7	915.9	981.1	997.4	1329.1	1771.2	1992.3	2408.2	3239.9	3863.8	3936.2
120°	907.4	968.7	1030.2	1045.5	1348.8	1753.2	1955.4	2335.3	3095.3	3665.3	3735.7
122.5°	962.9	1024.9	1086.7	1102.2	1377.2	1743.7	1927.0	2269.1	2953.5	3466.8	3536.2
125°	1048.0	1104.4	1160.8	1174.9	1415.3	1735.9	1896.2	2186.8	2768.2	3204.2	3268.1
127.5°	1116.9	1173.9	1230.9	1245.2	1453.5	1731.4	1870.3	2119.9	2619.0	2993.3	3047.3
130°	1154.0	1215.3	1276.7	1292.0	1481.5	1734.1	1860.4	2082.6	2527.0	2860.3	2910.2
132.5°	1192.2	1253.6	1314.9	1330.2	1504.0	1735.8	1851.7	2050.6	2448.5	2746.8	2791.5
135°	1248.9	1304.8	1360.7	1374.6	1528.7	1734.2	1837.0	2003.6	2336.6	2586.5	2625.0
137.5°	1306.8	1362.2	1417.5	1431.3	1565.7	1744.9	1834.5	1975.3	2257.0	2468.2	2499.7
140°	1354.9	1405.9	1456.8	1469.6	1588.3	1746.7	1825.8	1947.4	2190.8	2373.3	2402.7
142.5°	1391.9	1439.0	1486.1	1497.9	1607.2	1752.9	1825.8	1932.7	2146.4	2306.7	2332.0
145°	1448.6	1489.7	1530.8	1541.1	1631.9	1753.0	1813.6	1900.9	2075.7	2206.8	2226.0
147.5°	1505.3	1545.3	1585.3	1595.3	1668.0	1765.1	1813.6	1882.3	2019.9	2123.0	2138.9
150°	1542.3	1578.4	1614.6	1623.7	1687.0	1771.4	1813.6	1871.7	1987.8	2074.9	2087.7
152.5°	1580.5	1607.9	1635.3	1642.2	1699.3	1775.4	1813.6	1863.2	1962.3	2036.7	2046.3
155°	1637.2	1657.5	1677.8	1682.9	1726.4	1784.5	1813.6	1853.0	1931.8	1991.0	1997.4
157.5°	1679.1	1698.9	1718.6	1723.6	1753.6	1793.6	1813.6	1844.2	1905.6	1951.6	1956.1
160°	1707.5	1722.9	1738.2	1742.0	1765.9	1797.7	1813.6	1839.9	1892.4	1931.8	1934.4
162.5°	1735.8	1747.3	1758.8	1761.7	1779.0	1802.0	1813.6	1835.7	1880.1	1913.4	1915.8
165°	1766.6	1777.0	1787.5	1790.1	1797.9	1808.3	1813.6	1829.5	1861.2	1885.0	1887.6
167.5°	1795.0	1799.9	1804.9	1806.2	1812.7	1821.5	1825.8	1836.3	1857.1	1872.8	1873.8
170°	1813.6	1818.5	1823.5	1824.6	1825.0	1825.5	1825.8	1836.3	1857.1	1872.8	1872.8
172.5°	1823.4	1824.4	1825.5	1825.8	1825.8	1825.8	1825.8	1834.0	1850.5	1862.9	1861.9
175°	1837.0	1837.0	1837.0	1837.0	1833.2	1828.3	1825.8	1831.1	1841.4	1849.2	1849.2
177.5°	1837.0	1837.0	1837.0	1837.0	1834.1	1830.3	1828.3	1832.4	1840.6	1846.8	1845.7
180°	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6
2.5°	5437.0	5421.9	5437.0	5427.0	5432.0	5416.9	5371.8	5356.7	5371.8	5386.9	5386.9
5°	5502.2	5492.2	5502.2	5502.2	5497.2	5487.2	5437.0	5427.0	5437.0	5442.0	5432.0
7.5°	5522.2	5507.2	5522.2	5512.2	5512.2	5502.2	5452.1	5442.0	5447.0	5462.1	5447.0
10°	5522.2	5507.2	5522.2	5517.3	5512.2	5502.2	5452.1	5432.0	5432.0	5447.0	5432.0
12.5°	5497.2	5487.2	5497.2	5487.2	5487.2	5477.1	5427.0	5406.9	5411.9	5416.9	5396.9
15°	5457.0	5442.0	5457.0	5447.0	5452.1	5437.0	5381.8	5361.8	5361.8	5371.8	5336.7
17.5°	5396.9	5376.8	5396.9	5391.8	5386.9	5376.8	5326.6	5306.5	5301.6	5306.5	5281.6
20°	5326.6	5311.6	5326.6	5321.7	5321.7	5301.6	5251.4	5226.3	5226.3	5226.3	5201.2
22.5°	5216.3	5201.2	5216.3	5226.3	5226.3	5221.3	5176.1	5141.1	5131.1	5131.1	5100.9
25°	5090.9	5075.8	5090.9	5090.9	5085.9	5090.9	5075.8	5055.8	5040.8	5025.8	4995.6
27.5°	4970.5	4960.6	4970.5	4960.6	4970.5	4955.5	4950.5	4945.4	4925.4	4910.4	4870.2
30°	4850.2	4840.1	4850.2	4840.1	4830.1	4820.1	4795.0	4785.0	4805.0	4795.0	4729.8
32.5°	4699.7	4689.6	4699.7	4699.7	4689.6	4689.6	4649.5	4634.5	4639.5	4669.6	4609.4
35°	4544.2	4529.2	4544.2	4539.2	4544.2	4529.2	4504.1	4499.1	4479.0	4514.1	4468.9
37.5°	4363.6	4348.6	4363.6	4363.6	4363.6	4373.7	4353.6	4338.6	4308.5	4353.6	4318.5
40°	4178.1	4158.0	4178.1	4173.0	4178.1	4188.1	4178.1	4168.1	4137.9	4173.0	4143.0
42.5°	3967.4	3962.4	3967.4	3972.5	3972.5	3992.5	4007.5	3987.5	3977.4	3952.4	3972.5
45°	3741.7	3731.7	3741.7	3751.7	3756.8	3766.8	3811.9	3811.9	3796.9	3756.8	3786.8
47.5°	3501.0	3475.9	3501.0	3531.0	3531.0	3546.1	3591.2	3626.4	3601.3	3551.1	3566.2
50°	3245.2	3250.1	3245.2	3265.2	3265.2	3320.4	3355.4	3390.6	3415.7	3355.4	3285.3
52.5°	2994.3	2989.4	2994.3	3009.4	3029.5	3054.5	3114.8	3149.8	3190.0	3154.9	3044.5
55°	2743.6	2753.7	2743.6	2748.6	2758.6	2773.7	2863.9	2899.1	2974.3	2929.1	2813.8
57.5°	2492.8	2477.7	2492.8	2502.8	2507.8	2522.9	2598.1	2663.4	2708.5	2713.4	2573.0
60°	2201.9	2181.8	2201.9	2247.0	2257.1	2267.1	2337.3	2397.5	2437.6	2452.7	2307.2
62.5°	1946.1	1911.0	1946.1	1976.2	1996.3	2021.3	2071.4	2161.7	2196.8	2201.9	1996.3
65°	1675.3	1660.2	1675.3	1735.4	1740.5	1770.5	1825.7	1890.9	1966.1	1956.1	1660.2
67.5°	1429.4	1429.4	1429.4	1469.6	1499.7	1514.7	1584.9	1615.1	1710.3	1720.4	1384.3
70°	1203.8	1198.7	1203.8	1233.8	1253.9	1289.0	1354.3	1389.3	1464.6	1489.6	1123.6
72.5°	988.1	983.1	988.1	1013.2	1033.3	1063.3	1118.5	1158.6	1223.8	1253.9	872.7
75°	797.5	787.4	797.5	817.6	812.5	852.6	897.8	937.9	998.1	1018.1	647.0
77.5°	611.9	611.9	611.9	632.0	632.0	672.1	692.2	742.3	777.5	807.5	476.5
80°	456.5	451.4	456.5	461.4	461.4	481.6	516.6	551.7	581.8	581.8	326.0
82.5°	321.0	310.9	321.0	321.0	321.0	331.1	351.1	361.1	381.2	396.3	205.6
85°	200.7	200.7	200.7	205.6	200.7	210.6	215.7	225.7	225.7	215.7	125.4
87.5°	130.4	125.4	130.4	125.4	125.4	120.3	120.3	120.3	115.4	110.4	70.2
90°	46.8	46.8	46.8	46.8	46.8	62.4	83.3	93.7	80.5	54.2	34.5
92.5°	187.6	150.4	187.6	225.0	234.3	332.1	462.5	527.7	463.3	334.5	237.9
95°	654.1	541.2	654.1	766.9	795.1	1044.2	1376.3	1542.3	1302.6	823.1	463.6
97.5°	1567.3	1352.5	1567.3	1782.1	1835.7	1993.1	2202.9	2307.9	1908.1	1108.7	509.2
100°	2258.1	2002.2	2258.1	2514.0	2577.9	2566.4	2551.1	2543.4	2099.8	1212.7	547.4
102.5°	2937.6	2718.5	2937.6	3156.8	3211.6	3011.0	2743.7	2610.0	2160.2	1260.4	585.6
105°	3804.0	3686.2	3804.0	3921.9	3951.3	3501.8	2902.3	2602.6	2167.0	1295.8	642.3
107.5°	4371.6	4400.1	4371.6	4343.1	4335.9	3708.9	2872.7	2454.6	2070.5	1302.3	726.2
110°	4588.0	4710.8	4588.0	4465.3	4434.5	3733.5	2798.7	2331.3	1985.0	1292.4	773.0





TEST NUMBER: P935317

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4607.3	4795.9	4607.3	4418.8	4371.7	3654.2	2697.5	2219.1	1910.4	1292.9	829.7
115°	4485.1	4746.5	4485.1	4223.7	4158.4	3467.2	2545.6	2084.8	1824.7	1304.8	914.8
117.5°	4226.1	4516.0	4226.1	3936.2	3863.8	3239.9	2408.2	1992.3	1771.2	1329.1	997.4
120°	4017.3	4299.0	4017.3	3735.7	3665.3	3095.3	2335.3	1955.4	1753.2	1348.8	1045.5
122.5°	3814.0	4091.8	3814.0	3536.2	3466.8	2953.5	2269.1	1927.0	1743.7	1377.2	1102.2
125°	3524.0	3779.9	3524.0	3268.1	3204.2	2768.2	2186.8	1896.2	1735.9	1415.3	1174.9
127.5°	3263.3	3479.1	3263.3	3047.3	2993.3	2619.0	2119.9	1870.3	1731.4	1453.5	1245.2
130°	3109.5	3309.0	3109.5	2910.2	2860.3	2527.0	2082.6	1860.4	1734.1	1481.5	1292.0
132.5°	2970.1	3148.8	2970.1	2791.5	2746.8	2448.5	2050.6	1851.7	1735.8	1504.0	1330.2
135°	2778.9	2933.0	2778.9	2625.0	2586.5	2336.6	2003.6	1837.0	1734.2	1528.7	1374.6
137.5°	2625.7	2751.8	2625.7	2499.7	2468.2	2257.0	1975.3	1834.5	1744.9	1565.7	1431.3
140°	2520.6	2638.4	2520.6	2402.7	2373.3	2190.8	1947.4	1825.8	1746.7	1588.3	1469.6
142.5°	2433.3	2534.7	2433.3	2332.0	2306.7	2146.4	1932.7	1825.8	1752.9	1607.2	1497.9
145°	2302.7	2379.4	2302.7	2226.0	2206.8	2075.7	1900.9	1813.6	1753.0	1631.9	1541.1
147.5°	2202.4	2266.0	2202.4	2138.9	2123.0	2019.9	1882.3	1813.6	1765.1	1668.0	1595.3
150°	2139.3	2190.8	2139.3	2087.7	2074.9	1987.8	1871.7	1813.6	1771.4	1687.0	1623.7
152.5°	2085.3	2124.2	2085.3	2046.3	2036.7	1962.3	1863.2	1813.6	1775.4	1699.3	1642.2
155°	2023.2	2049.0	2023.2	1997.4	1991.0	1931.8	1853.0	1813.6	1784.5	1726.4	1682.9
157.5°	1974.2	1992.3	1974.2	1956.1	1951.6	1905.6	1844.2	1813.6	1793.6	1753.6	1723.6
160°	1944.9	1955.4	1944.9	1934.4	1931.8	1892.4	1839.9	1813.6	1797.7	1765.9	1742.0
162.5°	1925.7	1935.6	1925.7	1915.8	1913.4	1880.1	1835.7	1813.6	1802.0	1779.0	1761.7
165°	1898.0	1908.4	1898.0	1887.6	1885.0	1861.2	1829.5	1813.6	1808.3	1797.9	1790.1
167.5°	1878.2	1882.5	1878.2	1873.8	1872.8	1857.1	1836.3	1825.8	1821.5	1812.7	1806.2
170°	1872.8	1872.8	1872.8	1872.8	1872.8	1857.1	1836.3	1825.8	1825.5	1825.0	1824.6
172.5°	1858.0	1854.2	1858.0	1861.9	1862.9	1850.5	1834.0	1825.8	1825.8	1825.8	1825.8
175°	1849.2	1849.2	1849.2	1849.2	1849.2	1841.4	1831.1	1825.8	1828.3	1833.2	1837.0
177.5°	1841.3	1837.0	1841.3	1845.7	1846.8	1840.6	1832.4	1828.3	1830.3	1834.1	1837.0
180°	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0



TEST NUMBER: P935317  
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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6
2.5°	5376.8	5346.8	5346.8	5296.6	5276.5	5261.5	5236.4	5161.1	5141.1	5121.0	5151.1
5°	5421.9	5366.8	5326.6	5236.4	5161.1	5131.1	5035.7	4855.1	4734.8	4644.5	4594.4
7.5°	5432.0	5361.8	5286.5	5146.1	4965.5	4885.3	4594.4	4263.3	4173.0	4092.8	4042.6
10°	5421.9	5341.7	5236.4	5025.8	4599.3	4458.9	4168.1	3952.4	3897.2	3882.1	3897.2
12.5°	5386.9	5311.6	5166.2	4815.0	4218.2	4122.9	3952.4	3826.9	3816.9	3842.0	3977.4
15°	5326.6	5256.5	5085.9	4534.1	4007.5	3937.3	3816.9	3771.8	3826.9	4002.5	4408.8
17.5°	5266.4	5186.2	4975.6	4258.3	3847.1	3796.9	3711.6	3801.9	4112.8	4348.6	4484.0
20°	5186.2	5090.9	4850.2	4057.7	3731.7	3686.5	3646.4	4052.7	4288.4	4373.7	4448.9
22.5°	5090.9	4990.6	4679.7	3917.2	3611.3	3576.2	3601.3	4193.1	4288.4	4348.6	4413.8
25°	4965.5	4880.2	4479.0	3806.9	3516.0	3475.9	3571.1	4178.1	4233.2	4248.3	4378.7
27.5°	4850.2	4739.8	4268.4	3706.6	3400.6	3385.6	3596.2	4112.8	4153.0	4168.1	4308.5
30°	4709.7	4544.2	4032.6	3601.3	3280.3	3275.2	3601.3	4032.6	4022.5	4062.7	4203.1
32.5°	4564.3	4253.3	3766.8	3470.8	3164.9	3159.9	3566.2	3912.2	3902.2	3957.3	4062.7
35°	4428.8	4027.6	3405.6	3320.4	3019.4	3024.5	3480.9	3771.8	3776.8	3826.9	3892.1
37.5°	4288.4	3832.0	3009.4	3154.9	2879.0	2879.0	3365.5	3641.4	3631.4	3646.4	3736.7
40°	4122.9	3526.0	2658.3	2939.2	2748.6	2733.5	3225.1	3501.0	3465.8	3460.9	3586.2
42.5°	3947.4	3190.0	2397.5	2653.3	2598.1	2578.1	3054.5	3330.4	3265.2	3280.3	3440.7
45°	3756.8	3099.7	2196.8	2242.0	2442.6	2427.6	2869.0	3134.8	3089.7	3129.8	3295.3
47.5°	3566.2	2919.1	2131.7	1860.8	2277.1	2272.1	2663.4	2944.2	2919.1	2959.3	3134.8
50°	3305.4	2718.5	2126.7	1595.0	2091.5	2111.6	2417.5	2758.6	2758.6	2793.8	2979.3
52.5°	2969.2	2472.8	1931.0	1444.6	1875.8	1936.1	2201.9	2598.1	2608.1	2643.3	2808.8
55°	2663.4	2217.0	1790.6	1329.2	1620.0	1750.4	1991.2	2432.6	2452.7	2487.8	2638.3
57.5°	2382.5	1845.8	1760.5	1193.7	1384.3	1509.8	1805.7	2272.1	2282.2	2312.2	2457.6
60°	2081.5	1334.2	1615.1	1048.3	1178.7	1274.0	1635.1	2081.5	2116.6	2136.6	2262.0
62.5°	1740.5	968.0	1464.6	948.0	1078.4	1098.5	1494.6	1900.9	1946.1	1961.1	2036.4
65°	1238.9	812.5	1243.9	862.7	973.1	978.0	1344.2	1715.4	1755.5	1780.6	1835.7
67.5°	837.6	662.1	948.0	782.4	892.8	897.8	1198.7	1499.7	1554.8	1575.0	1610.0
70°	581.8	441.3	702.2	697.1	802.6	812.5	1043.2	1304.1	1354.3	1369.3	1389.3
72.5°	426.3	356.1	581.8	627.0	707.2	717.3	882.8	1083.3	1133.5	1148.6	1158.6
75°	326.0	376.1	471.5	546.7	601.9	606.9	722.2	882.8	917.9	927.9	932.9
77.5°	260.8	351.1	346.1	441.3	491.5	481.6	566.8	682.1	712.2	712.2	712.2
80°	195.6	275.8	260.8	316.0	361.1	351.1	406.3	486.5	496.6	506.5	501.6
82.5°	145.4	175.6	175.6	200.7	240.8	230.7	270.8	316.0	316.0	316.0	326.0
85°	90.3	100.3	80.2	105.3	135.5	130.4	150.5	170.5	175.6	175.6	165.5
87.5°	55.1	45.2	25.1	40.1	60.2	60.2	70.2	75.2	70.2	70.2	70.2
90°	32.0	22.2	12.4	22.2	32.0	34.5	54.2	80.5	93.7	83.3	62.4
92.5°	217.0	133.1	49.3	133.1	217.0	237.9	334.5	463.3	527.7	462.5	332.1
95°	425.2	271.8	118.4	271.8	425.2	463.6	823.1	1302.6	1542.3	1376.3	1044.2
97.5°	475.3	340.0	204.6	340.0	475.3	509.2	1108.7	1908.1	2307.9	2202.9	1993.1
100°	516.6	393.9	271.2	393.9	516.6	547.4	1212.7	2099.8	2543.4	2551.1	2566.4
102.5°	556.9	442.4	327.9	442.4	556.9	585.6	1260.4	2160.2	2610.0	2743.7	3011.0
105°	618.1	521.1	424.1	521.1	618.1	642.3	1295.8	2167.0	2602.6	2902.3	3501.8
107.5°	703.6	613.2	522.8	613.2	703.6	726.2	1302.3	2070.5	2454.6	2872.7	3708.9
110°	752.6	671.0	589.3	671.0	752.6	773.0	1292.4	1985.0	2331.3	2798.7	3733.5



TEST NUMBER: P935317

CATALOG NUMBER: SQ4-FA-100U-125D-840-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	810.3	732.5	654.6	732.5	810.3	829.7	1292.9	1910.4	2219.1	2697.5	3654.2
115°	896.8	825.1	753.3	825.1	896.8	914.8	1304.8	1824.7	2084.8	2545.6	3467.2
117.5°	981.1	915.9	850.7	915.9	981.1	997.4	1329.1	1771.2	1992.3	2408.2	3239.9
120°	1030.2	968.7	907.4	968.7	1030.2	1045.5	1348.8	1753.2	1955.4	2335.3	3095.3
122.5°	1086.7	1024.9	962.9	1024.9	1086.7	1102.2	1377.2	1743.7	1927.0	2269.1	2953.5
125°	1160.8	1104.4	1048.0	1104.4	1160.8	1174.9	1415.3	1735.9	1896.2	2186.8	2768.2
127.5°	1230.9	1173.9	1116.9	1173.9	1230.9	1245.2	1453.5	1731.4	1870.3	2119.9	2619.0
130°	1276.7	1215.3	1154.0	1215.3	1276.7	1292.0	1481.5	1734.1	1860.4	2082.6	2527.0
132.5°	1314.9	1253.6	1192.2	1253.6	1314.9	1330.2	1504.0	1735.8	1851.7	2050.6	2448.5
135°	1360.7	1304.8	1248.9	1304.8	1360.7	1374.6	1528.7	1734.2	1837.0	2003.6	2336.6
137.5°	1417.5	1362.2	1306.8	1362.2	1417.5	1431.3	1565.7	1744.9	1834.5	1975.3	2257.0
140°	1456.8	1405.9	1354.9	1405.9	1456.8	1469.6	1588.3	1746.7	1825.8	1947.4	2190.8
142.5°	1486.1	1439.0	1391.9	1439.0	1486.1	1497.9	1607.2	1752.9	1825.8	1932.7	2146.4
145°	1530.8	1489.7	1448.6	1489.7	1530.8	1541.1	1631.9	1753.0	1813.6	1900.9	2075.7
147.5°	1585.3	1545.3	1505.3	1545.3	1585.3	1595.3	1668.0	1765.1	1813.6	1882.3	2019.9
150°	1614.6	1578.4	1542.3	1578.4	1614.6	1623.7	1687.0	1771.4	1813.6	1871.7	1987.8
152.5°	1635.3	1607.9	1580.5	1607.9	1635.3	1642.2	1699.3	1775.4	1813.6	1863.2	1962.3
155°	1677.8	1657.5	1637.2	1657.5	1677.8	1682.9	1726.4	1784.5	1813.6	1853.0	1931.8
157.5°	1718.6	1698.9	1679.1	1698.9	1718.6	1723.6	1753.6	1793.6	1813.6	1844.2	1905.6
160°	1738.2	1722.9	1707.5	1722.9	1738.2	1742.0	1765.9	1797.7	1813.6	1839.9	1892.4
162.5°	1758.8	1747.3	1735.8	1747.3	1758.8	1761.7	1779.0	1802.0	1813.6	1835.7	1880.1
165°	1787.5	1777.0	1766.6	1777.0	1787.5	1790.1	1797.9	1808.3	1813.6	1829.5	1861.2
167.5°	1804.9	1799.9	1795.0	1799.9	1804.9	1806.2	1812.7	1821.5	1825.8	1836.3	1857.1
170°	1823.5	1818.5	1813.6	1818.5	1823.5	1824.6	1825.0	1825.5	1825.8	1836.3	1857.1
172.5°	1825.5	1824.4	1823.4	1824.4	1825.5	1825.8	1825.8	1825.8	1825.8	1834.0	1850.5
175°	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1833.2	1828.3	1825.8	1831.1	1841.4
177.5°	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1834.1	1830.3	1828.3	1832.4	1840.6
180°	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0



TEST NUMBER: P935317  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6
2.5°	5116.0	5100.9	5121.0	5065.9	5121.0	5100.9	5116.0	5151.1	5121.0	5141.1	5161.1
5°	4489.1	4464.0	4383.7	4318.5	4383.7	4464.0	4489.1	4594.4	4644.5	4734.8	4855.1
7.5°	4012.6	3992.5	3972.5	3932.3	3972.5	3992.5	4012.6	4042.6	4092.8	4173.0	4263.3
10°	3907.2	3912.2	3942.3	3937.3	3942.3	3912.2	3907.2	3897.2	3882.1	3897.2	3952.4
12.5°	4178.1	4223.2	4388.7	4378.7	4388.7	4223.2	4178.1	3977.4	3842.0	3816.9	3826.9
15°	4489.1	4504.1	4539.2	4544.2	4539.2	4504.1	4489.1	4408.8	4002.5	3826.9	3771.8
17.5°	4519.1	4524.2	4549.2	4549.2	4549.2	4524.2	4519.1	4484.0	4348.6	4112.8	3801.9
20°	4494.0	4504.1	4554.3	4564.3	4554.3	4504.1	4494.0	4448.9	4373.7	4288.4	4052.7
22.5°	4484.0	4504.1	4544.2	4539.2	4544.2	4504.1	4484.0	4413.8	4348.6	4288.4	4193.1
25°	4433.8	4433.8	4438.9	4443.9	4438.9	4433.8	4433.8	4378.7	4248.3	4233.2	4178.1
27.5°	4328.5	4338.6	4368.6	4363.6	4368.6	4338.6	4328.5	4308.5	4168.1	4153.0	4112.8
30°	4233.2	4223.2	4198.1	4178.1	4198.1	4223.2	4233.2	4203.1	4062.7	4022.5	4032.6
32.5°	4072.7	4047.6	4022.5	4007.5	4022.5	4047.6	4072.7	4062.7	3957.3	3902.2	3912.2
35°	3882.1	3887.2	3882.1	3867.1	3882.1	3887.2	3882.1	3892.1	3826.9	3776.8	3771.8
37.5°	3746.7	3756.8	3751.7	3731.7	3751.7	3756.8	3746.7	3736.7	3646.4	3631.4	3641.4
40°	3606.3	3611.3	3606.3	3591.2	3606.3	3611.3	3606.3	3586.2	3460.9	3465.8	3501.0
42.5°	3470.8	3465.8	3450.8	3440.7	3450.8	3465.8	3470.8	3440.7	3280.3	3265.2	3330.4
45°	3315.3	3320.4	3290.2	3275.2	3290.2	3320.4	3315.3	3295.3	3129.8	3089.7	3134.8
47.5°	3159.9	3159.9	3134.8	3119.7	3134.8	3159.9	3159.9	3134.8	2959.3	2919.1	2944.2
50°	2994.3	2989.4	2954.2	2949.2	2954.2	2989.4	2994.3	2979.3	2793.8	2758.6	2758.6
52.5°	2803.7	2803.7	2808.8	2818.8	2808.8	2803.7	2803.7	2808.8	2643.3	2608.1	2598.1
55°	2638.3	2643.3	2678.4	2688.4	2678.4	2643.3	2638.3	2638.3	2487.8	2452.7	2432.6
57.5°	2467.7	2467.7	2492.8	2492.8	2492.8	2467.7	2467.7	2457.6	2312.2	2282.2	2272.1
60°	2272.1	2282.2	2302.2	2297.2	2302.2	2282.2	2272.1	2262.0	2136.6	2116.6	2081.5
62.5°	2066.5	2076.5	2081.5	2071.4	2081.5	2076.5	2066.5	2036.4	1961.1	1946.1	1900.9
65°	1850.8	1860.8	1865.8	1855.8	1865.8	1860.8	1850.8	1835.7	1780.6	1755.5	1715.4
67.5°	1630.1	1625.1	1620.0	1640.1	1620.0	1625.1	1630.1	1610.0	1575.0	1554.8	1499.7
70°	1404.3	1404.3	1399.4	1409.4	1399.4	1404.3	1404.3	1389.3	1369.3	1354.3	1304.1
72.5°	1163.7	1158.6	1178.7	1163.7	1178.7	1158.6	1163.7	1158.6	1148.6	1133.5	1083.3
75°	927.9	937.9	927.9	942.9	927.9	937.9	927.9	932.9	927.9	917.9	882.8
77.5°	707.2	717.3	707.2	707.2	707.2	717.3	707.2	712.2	712.2	712.2	682.1
80°	501.6	496.6	496.6	491.5	496.6	496.6	501.6	501.6	506.5	496.6	486.5
82.5°	321.0	316.0	316.0	326.0	316.0	316.0	321.0	326.0	316.0	316.0	316.0
85°	175.6	180.6	170.5	170.5	170.5	180.6	175.6	165.5	175.6	175.6	170.5
87.5°	65.2	60.2	60.2	60.2	60.2	60.2	65.2	70.2	70.2	70.2	75.2
90°	46.8	46.8	46.8	46.8	46.8	46.8	46.8	62.4	83.3	93.7	80.5
92.5°	234.3	225.0	187.6	150.4	187.6	225.0	234.3	332.1	462.5	527.7	463.3
95°	795.1	766.9	654.1	541.2	654.1	766.9	795.1	1044.2	1376.3	1542.3	1302.6
97.5°	1835.7	1782.1	1567.3	1352.5	1567.3	1782.1	1835.7	1993.1	2202.9	2307.9	1908.1
100°	2577.9	2514.0	2258.1	2002.2	2258.1	2514.0	2577.9	2566.4	2551.1	2543.4	2099.8
102.5°	3211.6	3156.8	2937.6	2718.5	2937.6	3156.8	3211.6	3011.0	2743.7	2610.0	2160.2
105°	3951.3	3921.9	3804.0	3686.2	3804.0	3921.9	3951.3	3501.8	2902.3	2602.6	2167.0
107.5°	4335.9	4343.1	4371.6	4400.1	4371.6	4343.1	4335.9	3708.9	2872.7	2454.6	2070.5
110°	4434.5	4465.3	4588.0	4710.8	4588.0	4465.3	4434.5	3733.5	2798.7	2331.3	1985.0



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4371.7	4418.8	4607.3	4795.9	4607.3	4418.8	4371.7	3654.2	2697.5	2219.1	1910.4
115°	4158.4	4223.7	4485.1	4746.5	4485.1	4223.7	4158.4	3467.2	2545.6	2084.8	1824.7
117.5°	3863.8	3936.2	4226.1	4516.0	4226.1	3936.2	3863.8	3239.9	2408.2	1992.3	1771.2
120°	3665.3	3735.7	4017.3	4299.0	4017.3	3735.7	3665.3	3095.3	2335.3	1955.4	1753.2
122.5°	3466.8	3536.2	3814.0	4091.8	3814.0	3536.2	3466.8	2953.5	2269.1	1927.0	1743.7
125°	3204.2	3268.1	3524.0	3779.9	3524.0	3268.1	3204.2	2768.2	2186.8	1896.2	1735.9
127.5°	2993.3	3047.3	3263.3	3479.1	3263.3	3047.3	2993.3	2619.0	2119.9	1870.3	1731.4
130°	2860.3	2910.2	3109.5	3309.0	3109.5	2910.2	2860.3	2527.0	2082.6	1860.4	1734.1
132.5°	2746.8	2791.5	2970.1	3148.8	2970.1	2791.5	2746.8	2448.5	2050.6	1851.7	1735.8
135°	2586.5	2625.0	2778.9	2933.0	2778.9	2625.0	2586.5	2336.6	2003.6	1837.0	1734.2
137.5°	2468.2	2499.7	2625.7	2751.8	2625.7	2499.7	2468.2	2257.0	1975.3	1834.5	1744.9
140°	2373.3	2402.7	2520.6	2638.4	2520.6	2402.7	2373.3	2190.8	1947.4	1825.8	1746.7
142.5°	2306.7	2332.0	2433.3	2534.7	2433.3	2332.0	2306.7	2146.4	1932.7	1825.8	1752.9
145°	2206.8	2226.0	2302.7	2379.4	2302.7	2226.0	2206.8	2075.7	1900.9	1813.6	1753.0
147.5°	2123.0	2138.9	2202.4	2266.0	2202.4	2138.9	2123.0	2019.9	1882.3	1813.6	1765.1
150°	2074.9	2087.7	2139.3	2190.8	2139.3	2087.7	2074.9	1987.8	1871.7	1813.6	1771.4
152.5°	2036.7	2046.3	2085.3	2124.2	2085.3	2046.3	2036.7	1962.3	1863.2	1813.6	1775.4
155°	1991.0	1997.4	2023.2	2049.0	2023.2	1997.4	1991.0	1931.8	1853.0	1813.6	1784.5
157.5°	1951.6	1956.1	1974.2	1992.3	1974.2	1956.1	1951.6	1905.6	1844.2	1813.6	1793.6
160°	1931.8	1934.4	1944.9	1955.4	1944.9	1934.4	1931.8	1892.4	1839.9	1813.6	1797.7
162.5°	1913.4	1915.8	1925.7	1935.6	1925.7	1915.8	1913.4	1880.1	1835.7	1813.6	1802.0
165°	1885.0	1887.6	1898.0	1908.4	1898.0	1887.6	1885.0	1861.2	1829.5	1813.6	1808.3
167.5°	1872.8	1873.8	1878.2	1882.5	1878.2	1873.8	1872.8	1857.1	1836.3	1825.8	1821.5
170°	1872.8	1872.8	1872.8	1872.8	1872.8	1872.8	1872.8	1857.1	1836.3	1825.8	1825.5
172.5°	1862.9	1861.9	1858.0	1854.2	1858.0	1861.9	1862.9	1850.5	1834.0	1825.8	1825.8
175°	1849.2	1849.2	1849.2	1849.2	1849.2	1849.2	1849.2	1841.4	1831.1	1825.8	1828.3
177.5°	1846.8	1845.7	1841.3	1837.0	1841.3	1845.7	1846.8	1840.6	1832.4	1828.3	1830.3
180°	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	5301.6	5301.6	5301.6	5301.6	5301.6
2.5°	5236.4	5261.5	5276.5	5296.6	5346.8
5°	5035.7	5131.1	5161.1	5236.4	5326.6
7.5°	4594.4	4885.3	4965.5	5146.1	5286.5
10°	4168.1	4458.9	4599.3	5025.8	5236.4
12.5°	3952.4	4122.9	4218.2	4815.0	5166.2
15°	3816.9	3937.3	4007.5	4534.1	5085.9
17.5°	3711.6	3796.9	3847.1	4258.3	4975.6
20°	3646.4	3686.5	3731.7	4057.7	4850.2
22.5°	3601.3	3576.2	3611.3	3917.2	4679.7
25°	3571.1	3475.9	3516.0	3806.9	4479.0
27.5°	3596.2	3385.6	3400.6	3706.6	4268.4
30°	3601.3	3275.2	3280.3	3601.3	4032.6
32.5°	3566.2	3159.9	3164.9	3470.8	3766.8
35°	3480.9	3024.5	3019.4	3320.4	3405.6
37.5°	3365.5	2879.0	2879.0	3154.9	3009.4
40°	3225.1	2733.5	2748.6	2939.2	2658.3
42.5°	3054.5	2578.1	2598.1	2653.3	2397.5
45°	2869.0	2427.6	2442.6	2242.0	2196.8
47.5°	2663.4	2272.1	2277.1	1860.8	2131.7
50°	2417.5	2111.6	2091.5	1595.0	2126.7
52.5°	2201.9	1936.1	1875.8	1444.6	1931.0
55°	1991.2	1750.4	1620.0	1329.2	1790.6
57.5°	1805.7	1509.8	1384.3	1193.7	1760.5
60°	1635.1	1274.0	1178.7	1048.3	1615.1
62.5°	1494.6	1098.5	1078.4	948.0	1464.6
65°	1344.2	978.0	973.1	862.7	1243.9
67.5°	1198.7	897.8	892.8	782.4	948.0
70°	1043.2	812.5	802.6	697.1	702.2
72.5°	882.8	717.3	707.2	627.0	581.8
75°	722.2	606.9	601.9	546.7	471.5
77.5°	566.8	481.6	491.5	441.3	346.1
80°	406.3	351.1	361.1	316.0	260.8
82.5°	270.8	230.7	240.8	200.7	175.6
85°	150.5	130.4	135.5	105.3	80.2
87.5°	70.2	60.2	60.2	40.1	25.1
90°	54.2	34.5	32.0	22.2	12.4
92.5°	334.5	237.9	217.0	133.1	49.3
95°	823.1	463.6	425.2	271.8	118.4
97.5°	1108.7	509.2	475.3	340.0	204.6
100°	1212.7	547.4	516.6	393.9	271.2
102.5°	1260.4	585.6	556.9	442.4	327.9
105°	1295.8	642.3	618.1	521.1	424.1
107.5°	1302.3	726.2	703.6	613.2	522.8
110°	1292.4	773.0	752.6	671.0	589.3



TEST NUMBER: P935317

CATALOG NUMBER: SQ4-FA-100U-125D-840-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1292.9	829.7	810.3	732.5	654.6
115°	1304.8	914.8	896.8	825.1	753.3
117.5°	1329.1	997.4	981.1	915.9	850.7
120°	1348.8	1045.5	1030.2	968.7	907.4
122.5°	1377.2	1102.2	1086.7	1024.9	962.9
125°	1415.3	1174.9	1160.8	1104.4	1048.0
127.5°	1453.5	1245.2	1230.9	1173.9	1116.9
130°	1481.5	1292.0	1276.7	1215.3	1154.0
132.5°	1504.0	1330.2	1314.9	1253.6	1192.2
135°	1528.7	1374.6	1360.7	1304.8	1248.9
137.5°	1565.7	1431.3	1417.5	1362.2	1306.8
140°	1588.3	1469.6	1456.8	1405.9	1354.9
142.5°	1607.2	1497.9	1486.1	1439.0	1391.9
145°	1631.9	1541.1	1530.8	1489.7	1448.6
147.5°	1668.0	1595.3	1585.3	1545.3	1505.3
150°	1687.0	1623.7	1614.6	1578.4	1542.3
152.5°	1699.3	1642.2	1635.3	1607.9	1580.5
155°	1726.4	1682.9	1677.8	1657.5	1637.2
157.5°	1753.6	1723.6	1718.6	1698.9	1679.1
160°	1765.9	1742.0	1738.2	1722.9	1707.5
162.5°	1779.0	1761.7	1758.8	1747.3	1735.8
165°	1797.9	1790.1	1787.5	1777.0	1766.6
167.5°	1812.7	1806.2	1804.9	1799.9	1795.0
170°	1825.0	1824.6	1823.5	1818.5	1813.6
172.5°	1825.8	1825.8	1825.5	1824.4	1823.4
175°	1833.2	1837.0	1837.0	1837.0	1837.0
177.5°	1834.1	1837.0	1837.0	1837.0	1837.0
180°	1837.0	1837.0	1837.0	1837.0	1837.0



TEST NUMBER: P935317  
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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	14.86	15.75	15.78	16.70	17.91	17.71	18.60	18.63	19.55	20.76
	3H	15.34	16.14	16.27	17.09	18.33	19.06	19.86	20.00	20.82	22.06
	4H	15.53	16.29	16.48	17.24	18.50	19.51	20.27	20.46	21.23	22.48
	6H	15.65	16.35	16.61	17.31	18.58	19.80	20.50	20.77	21.47	22.73
	8H	15.65	16.32	16.62	17.30	18.56	19.88	20.55	20.85	21.53	22.79
	12H	15.62	16.26	16.60	17.23	18.52	19.93	20.56	20.90	21.53	22.82
4H	2H	15.90	16.66	16.86	17.61	18.87	18.12	18.88	19.08	19.84	21.09
	3H	16.93	17.56	17.90	18.55	19.81	19.64	20.27	20.60	21.25	22.52
	4H	17.21	17.78	18.18	18.76	20.05	20.17	20.75	21.15	21.73	23.02
	6H	17.33	17.83	18.32	18.83	20.12	20.54	21.04	21.53	22.04	23.33
	8H	17.34	17.80	18.33	18.80	20.10	20.65	21.12	21.64	22.12	23.42
	12H	17.31	17.73	18.32	18.74	20.05	20.71	21.13	21.72	22.15	23.46
8H	4H	17.67	18.13	18.66	19.13	20.43	20.30	20.76	21.29	21.76	23.06
	6H	17.93	18.31	18.94	19.35	20.65	20.74	21.12	21.76	22.16	23.46
	8H	17.97	18.31	19.00	19.34	20.66	20.90	21.23	21.92	22.26	23.58
	12H	17.96	18.25	18.98	19.28	20.64	21.00	21.30	22.03	22.32	23.68
12H	4H	17.67	18.09	18.68	19.11	20.42	20.26	20.68	21.27	21.70	23.00
	6H	17.99	18.33	19.02	19.36	20.68	20.74	21.08	21.76	22.10	23.42
	8H	18.06	18.36	19.09	19.38	20.74	20.90	21.20	21.93	22.22	23.59