

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: P934697

Luminaire Tested: SQ4-FA-075U-050D-B35-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

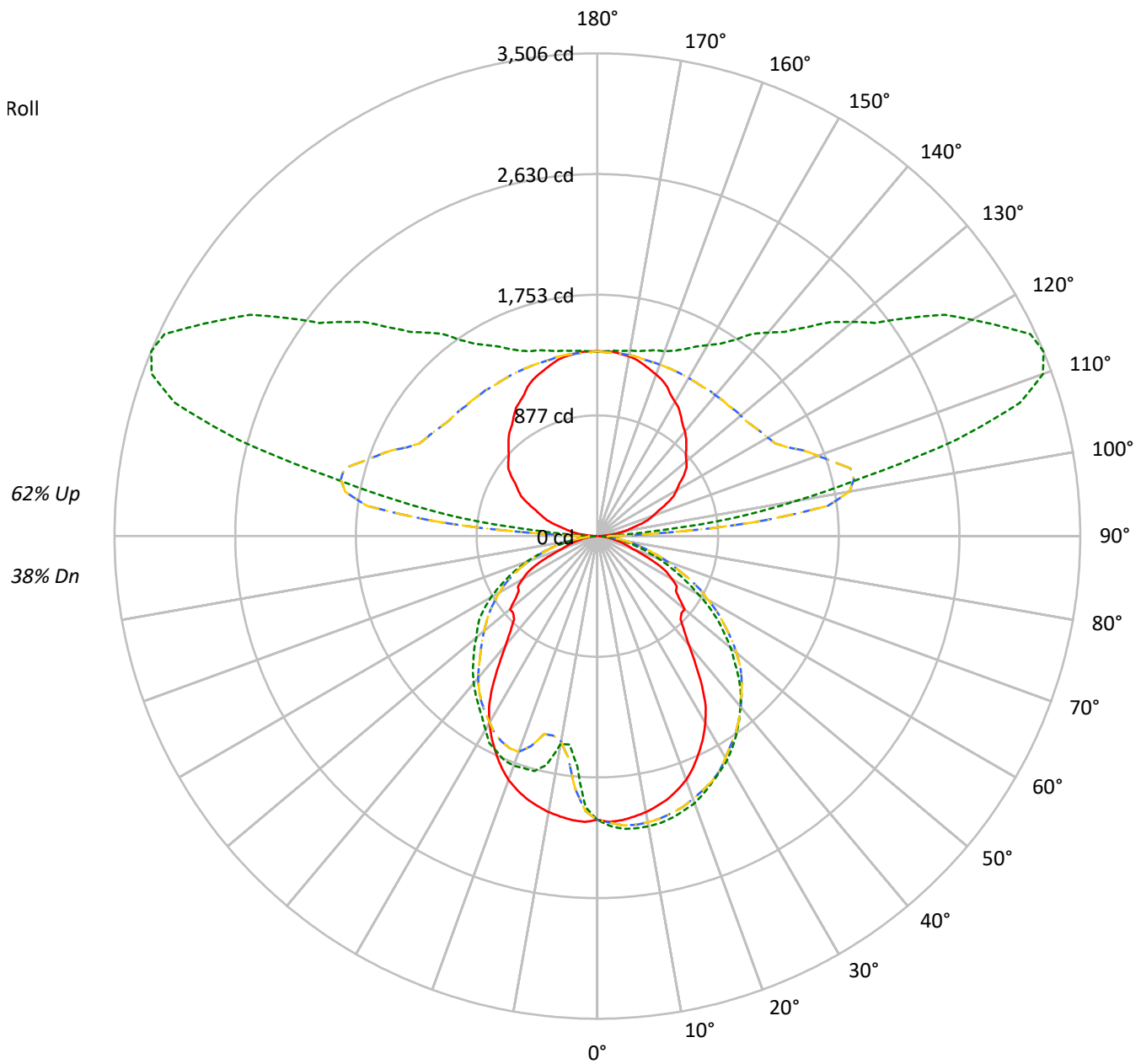
Test Method: LM-79-2019  
Report Number: P934697  
REPORT IS A COMBINATION OF REPORTS P933705 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-050D-B35-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14052.5 lumens  
Efficiency: N/A  
Efficacy: 136.2 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-Indirect  
  
Input Watts (W): 103.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



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



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

RF	20				20				20				20				20				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38				38
1	95	91	87	84	86	83	79	77	67	65	63	53	52	50	40	39	38	32				32
2	87	79	73	68	78	72	67	63	59	55	52	47	44	42	35	34	32	27				27
3	79	70	63	57	71	64	57	52	52	47	44	41	38	35	31	29	27	23				23
4	72	62	54	48	65	56	50	44	46	41	37	37	33	30	28	25	24	20				20
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17				17
6	61	49	41	35	55	45	38	33	37	32	28	30	26	23	23	20	18	15				15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	21	18	16	13				13
8	52	40	32	27	47	37	30	25	30	25	22	24	21	18	19	16	14	12				12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	11				11
10	45	33	26	22	41	31	24	20	26	21	17	21	17	14	16	14	12	10				10

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

	0°	90°	180°	270°
0°	6374	6374	6374	6374
5°	6424	6434	6424	5059
10°	6383	6338	6383	4531
15°	6316	6201	6316	5178
20°	6187	6038	6187	5188
25°	5919	5801	5919	5078
30°	5572	5604	5572	4837
35°	4970	5355	4970	4572
40°	4143	5061	4143	4371
45°	3704	4718	3704	4141
50°	3939	4308	3939	3909
55°	3709	3868	3709	3776
60°	3828	3285	3828	3458
65°	3477	2716	3477	3035
70°	2414	2164	2414	2544
75°	2123	1600	2123	1915
80°	1725	1058	1725	1152
85°	1011	560	1011	476

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5674 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.0	1.3
10°-20°	528.1	3.8
20°-30°	816.4	5.8
30°-40°	974.6	6.9
40°-50°	980.4	7.0
50°-60°	853.0	6.1
60°-70°	604.8	4.3
70°-80°	320.0	2.3
80°-90°	84.8	0.6
90°-100°	654.5	4.7
100°-110°	1720.7	12.2
110°-120°	1784.2	12.7
120°-130°	1431.2	10.2
130°-140°	1122.9	8.0
140°-150°	861.9	6.1
150°-160°	620.7	4.4
160°-170°	379.8	2.7
170°-180°	128.3	0.9
0°-30°	1530.6	10.9
0°-40°	2505.2	17.8
0°-60°	4338.6	30.9
0°-90°	5348.2	38.1
90°-120°	4159.4	29.6
90°-150°	7575.4	53.9
90°-180°	8704.0	61.9
0°-180°	14052.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2061	2061	2061	2061	2061	
5°	2070	2135	2070	1679	2070	196
15°	1977	2115	1977	1766	1977	556
25°	1741	1973	1741	1727	1741	799
35°	1324	1760	1324	1503	1324	819
45°	854	1450	854	1273	854	684
55°	696	1070	696	1045	696	640
65°	484	645	484	721	484	462
75°	183	306	183	366	183	193
85°	31	78	31	66	31	42
90°	9	34	9	34	9	9
95°	86	396	86	396	86	96
105°	310	2694	310	2694	310	329
115°	551	3469	551	3469	551	544
125°	766	2763	766	2763	766	680
135°	913	2144	913	2144	913	706
145°	1059	1739	1059	1739	1059	663
155°	1197	1498	1197	1498	1197	550
165°	1291	1395	1291	1395	1291	364
175°	1343	1352	1343	1352	1343	127
180°	1343	1343	1343	1343	1343	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7
2.5°	2078.2	2078.2	2089.9	2093.8	2093.8	2088.0	2082.2	2088.0	2105.5	2111.4	2109.4
5°	2070.5	2086.1	2107.5	2111.4	2115.3	2113.4	2109.4	2113.4	2132.9	2136.7	2138.7
7.5°	2054.9	2084.1	2111.4	2117.3	2123.1	2117.3	2115.3	2119.2	2138.7	2142.6	2142.6
10°	2035.4	2076.3	2107.5	2111.4	2117.3	2111.4	2111.4	2119.2	2138.7	2142.6	2144.6
12.5°	2008.1	2064.6	2093.8	2097.8	2105.5	2103.6	2101.7	2109.4	2129.0	2132.9	2132.9
15°	1976.9	2043.1	2070.5	2074.3	2088.0	2084.1	2084.1	2091.9	2113.4	2119.2	2117.3
17.5°	1934.0	2015.9	2047.1	2052.9	2062.7	2060.7	2062.7	2070.5	2089.9	2093.8	2095.9
20°	1885.3	1978.8	2015.9	2021.7	2031.5	2031.5	2031.5	2041.2	2060.7	2068.5	2068.5
22.5°	1819.0	1939.8	1978.8	1982.8	1994.4	1994.4	1998.4	2011.9	2029.5	2031.5	2031.5
25°	1741.0	1896.9	1930.1	1941.8	1953.5	1959.3	1965.2	1973.0	1978.8	1976.9	1978.8
27.5°	1659.1	1842.4	1885.3	1893.0	1908.6	1914.5	1922.3	1924.2	1926.2	1932.0	1928.1
30°	1567.5	1766.3	1830.6	1838.5	1863.8	1867.7	1859.9	1863.8	1873.6	1877.4	1881.3
32.5°	1464.2	1653.2	1774.1	1791.7	1815.0	1803.4	1801.4	1807.3	1822.9	1822.9	1826.8
35°	1323.8	1565.5	1721.5	1737.1	1754.7	1741.0	1748.8	1750.7	1760.5	1766.3	1764.4
37.5°	1169.8	1489.4	1666.9	1678.6	1692.3	1674.7	1686.4	1692.3	1700.0	1696.1	1696.1
40°	1033.2	1370.6	1602.5	1610.4	1622.0	1608.4	1620.1	1624.0	1627.9	1624.0	1622.0
42.5°	931.9	1239.9	1534.3	1544.1	1536.3	1546.0	1549.9	1557.8	1551.9	1544.1	1544.1
45°	853.9	1204.9	1460.3	1471.9	1460.3	1475.9	1481.7	1481.7	1464.2	1460.3	1458.2
47.5°	828.6	1134.7	1386.2	1386.2	1380.3	1399.8	1409.5	1395.9	1378.4	1372.5	1372.5
50°	826.7	1056.7	1284.8	1276.9	1304.3	1327.6	1317.9	1304.3	1290.6	1269.2	1269.2
52.5°	750.6	961.2	1154.2	1183.4	1226.3	1239.9	1224.3	1210.7	1187.3	1177.5	1169.8
55°	696.0	861.7	1035.2	1093.7	1138.6	1156.1	1126.9	1113.2	1078.1	1072.3	1068.4
57.5°	684.3	717.4	926.1	1000.1	1054.8	1052.8	1035.2	1009.9	980.6	974.8	972.9
60°	627.8	518.6	809.1	896.8	953.3	947.5	931.9	908.5	881.2	877.3	873.5
62.5°	569.3	376.3	676.5	776.0	855.8	853.9	840.3	805.1	785.7	776.0	768.1
65°	483.5	315.8	481.6	645.4	760.4	764.3	735.0	709.7	688.2	676.5	674.5
67.5°	368.5	257.4	325.6	538.1	668.7	664.8	627.8	616.1	588.8	583.0	571.2
70°	273.0	171.6	226.2	436.7	579.1	569.3	540.0	526.4	501.1	487.4	479.6
72.5°	226.2	138.4	165.7	339.2	487.4	475.7	450.4	434.8	413.3	401.7	393.8
75°	183.2	146.2	126.7	251.5	395.7	388.0	364.5	348.9	331.4	315.8	317.7
77.5°	134.5	136.4	101.4	185.2	313.9	302.2	288.6	269.1	261.2	245.6	245.6
80°	101.4	107.3	76.1	126.7	226.2	226.2	214.4	200.8	187.1	179.4	179.4
82.5°	68.2	68.2	56.5	79.9	154.0	148.2	140.4	136.4	128.7	124.8	124.8
85°	31.2	39.0	35.1	48.7	83.8	87.7	87.7	83.8	81.9	78.0	79.9
87.5°	9.8	17.5	21.4	27.3	42.9	44.9	46.8	46.8	46.8	48.7	48.7
90°	9.0	16.2	23.4	25.2	39.6	58.9	68.5	60.9	45.6	34.2	34.2
92.5°	36.0	97.3	158.6	173.9	244.5	338.6	385.7	338.0	242.7	171.2	164.4
95°	86.5	198.6	310.9	338.9	601.7	952.1	1127.3	1006.0	763.3	581.2	560.6
97.5°	149.6	248.5	347.5	372.2	810.5	1394.8	1686.9	1610.2	1456.8	1341.8	1302.5
100°	198.3	288.0	377.7	400.1	886.4	1534.8	1859.0	1864.6	1875.9	1884.3	1837.5
102.5°	239.7	323.5	407.1	428.0	921.2	1578.9	1907.8	2005.4	2200.9	2347.5	2307.5
105°	310.0	380.9	451.7	469.5	947.1	1583.9	1902.3	2121.4	2559.6	2888.2	2866.7
107.5°	382.1	448.2	514.2	530.8	951.9	1513.5	1794.2	2099.8	2711.0	3169.3	3174.5
110°	430.7	490.4	550.1	565.0	944.7	1451.0	1704.1	2045.8	2729.0	3241.4	3263.8



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	478.5	535.4	592.3	606.5	945.1	1396.4	1622.1	1971.7	2671.0	3195.5	3229.9
115°	550.6	603.0	655.5	668.6	953.7	1333.8	1523.8	1860.7	2534.3	3039.6	3087.3
117.5°	621.8	669.5	717.1	729.0	971.4	1294.6	1456.2	1760.2	2368.1	2824.2	2877.2
120°	663.3	708.1	752.9	764.2	985.9	1281.4	1429.2	1706.9	2262.4	2679.1	2730.5
122.5°	703.8	749.0	794.3	805.6	1006.6	1274.5	1408.4	1658.5	2158.8	2534.0	2584.8
125°	766.0	807.3	848.6	858.8	1034.5	1268.8	1386.0	1598.5	2023.4	2342.1	2388.9
127.5°	816.5	858.1	899.8	910.2	1062.5	1265.5	1367.1	1549.5	1914.4	2188.0	2227.4
130°	843.5	888.4	933.1	944.4	1082.9	1267.5	1359.8	1522.2	1847.0	2090.6	2127.1
132.5°	871.4	916.3	961.1	972.3	1099.3	1268.8	1353.5	1498.8	1789.6	2007.8	2040.4
135°	912.9	953.7	994.6	1004.8	1117.5	1267.6	1342.7	1464.4	1708.0	1890.6	1918.7
137.5°	955.2	995.6	1036.2	1046.2	1144.5	1275.4	1340.9	1443.8	1649.7	1804.1	1827.1
140°	990.3	1027.5	1064.8	1074.1	1161.0	1276.8	1334.6	1423.6	1601.4	1734.7	1756.2
142.5°	1017.4	1051.8	1086.2	1094.9	1174.8	1281.3	1334.6	1412.7	1568.9	1686.1	1704.6
145°	1058.8	1088.9	1118.9	1126.5	1192.8	1281.3	1325.6	1389.4	1517.3	1613.1	1627.1
147.5°	1100.3	1129.6	1158.8	1166.1	1219.3	1290.1	1325.6	1375.9	1476.4	1551.8	1563.4
150°	1127.3	1153.8	1180.2	1186.8	1233.1	1294.8	1325.6	1368.0	1452.9	1516.6	1526.0
152.5°	1155.2	1175.3	1195.3	1200.3	1242.1	1297.8	1325.6	1361.8	1434.3	1488.7	1495.7
155°	1196.7	1211.5	1226.4	1230.0	1261.9	1304.4	1325.6	1354.5	1412.1	1455.3	1460.1
157.5°	1227.3	1241.8	1256.2	1259.8	1281.7	1311.0	1325.6	1348.0	1392.8	1426.5	1429.8
160°	1248.1	1259.3	1270.6	1273.4	1290.8	1314.0	1325.6	1344.8	1383.2	1412.1	1414.1
162.5°	1268.8	1277.2	1285.6	1287.7	1300.3	1317.2	1325.6	1341.8	1374.2	1398.6	1400.4
165°	1291.4	1298.9	1306.5	1308.4	1314.2	1321.8	1325.6	1337.2	1360.4	1377.8	1379.8
167.5°	1312.0	1315.6	1319.3	1320.2	1325.0	1331.4	1334.6	1342.2	1357.4	1368.8	1369.6
170°	1325.6	1329.2	1332.9	1333.7	1334.0	1334.4	1334.6	1342.2	1357.4	1368.8	1368.8
172.5°	1332.8	1333.5	1334.4	1334.6	1334.6	1334.6	1334.6	1340.6	1352.6	1361.6	1361.0
175°	1342.7	1342.7	1342.7	1342.7	1340.0	1336.4	1334.6	1338.4	1346.0	1351.8	1351.8
177.5°	1342.7	1342.7	1342.7	1342.7	1340.6	1337.8	1336.4	1339.4	1345.5	1349.9	1349.1
180°	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7
2.5°	2113.4	2107.5	2113.4	2109.4	2111.4	2105.5	2088.0	2082.2	2088.0	2093.8	2093.8
5°	2138.7	2134.8	2138.7	2138.7	2136.7	2132.9	2113.4	2109.4	2113.4	2115.3	2111.4
7.5°	2146.5	2140.6	2146.5	2142.6	2142.6	2138.7	2119.2	2115.3	2117.3	2123.1	2117.3
10°	2146.5	2140.6	2146.5	2144.6	2142.6	2138.7	2119.2	2111.4	2111.4	2117.3	2111.4
12.5°	2136.7	2132.9	2136.7	2132.9	2132.9	2129.0	2109.4	2101.7	2103.6	2105.5	2097.8
15°	2121.1	2115.3	2121.1	2117.3	2119.2	2113.4	2091.9	2084.1	2084.1	2088.0	2074.3
17.5°	2097.8	2089.9	2097.8	2095.9	2093.8	2089.9	2070.5	2062.7	2060.7	2062.7	2052.9
20°	2070.5	2064.6	2070.5	2068.5	2068.5	2060.7	2041.2	2031.5	2031.5	2031.5	2021.7
22.5°	2027.5	2021.7	2027.5	2031.5	2031.5	2029.5	2011.9	1998.4	1994.4	1994.4	1982.8
25°	1978.8	1973.0	1978.8	1978.8	1976.9	1978.8	1973.0	1965.2	1959.3	1953.5	1941.8
27.5°	1932.0	1928.1	1932.0	1928.1	1932.0	1926.2	1924.2	1922.3	1914.5	1908.6	1893.0
30°	1885.3	1881.3	1885.3	1881.3	1877.4	1873.6	1863.8	1859.9	1867.7	1863.8	1838.5
32.5°	1826.8	1822.9	1826.8	1826.8	1822.9	1822.9	1807.3	1801.4	1803.4	1815.0	1791.7
35°	1766.3	1760.5	1766.3	1764.4	1766.3	1760.5	1750.7	1748.8	1741.0	1754.7	1737.1
37.5°	1696.1	1690.3	1696.1	1696.1	1696.1	1700.0	1692.3	1686.4	1674.7	1692.3	1678.6
40°	1624.0	1616.2	1624.0	1622.0	1624.0	1627.9	1624.0	1620.1	1608.4	1622.0	1610.4
42.5°	1542.2	1540.1	1542.2	1544.1	1544.1	1551.9	1557.8	1549.9	1546.0	1536.3	1544.1
45°	1454.4	1450.5	1454.4	1458.2	1460.3	1464.2	1481.7	1481.7	1475.9	1460.3	1471.9
47.5°	1360.8	1351.1	1360.8	1372.5	1372.5	1378.4	1395.9	1409.5	1399.8	1380.3	1386.2
50°	1261.3	1263.3	1261.3	1269.2	1269.2	1290.6	1304.3	1317.9	1327.6	1304.3	1276.9
52.5°	1163.9	1161.9	1163.9	1169.8	1177.5	1187.3	1210.7	1224.3	1239.9	1226.3	1183.4
55°	1066.4	1070.4	1066.4	1068.4	1072.3	1078.1	1113.2	1126.9	1156.1	1138.6	1093.7
57.5°	968.9	963.1	968.9	972.9	974.8	980.6	1009.9	1035.2	1052.8	1054.8	1000.1
60°	855.8	848.1	855.8	873.5	877.3	881.2	908.5	931.9	947.5	953.3	896.8
62.5°	756.4	742.8	756.4	768.1	776.0	785.7	805.1	840.3	853.9	855.8	776.0
65°	651.2	645.4	651.2	674.5	676.5	688.2	709.7	735.0	764.3	760.4	645.4
67.5°	555.6	555.6	555.6	571.2	583.0	588.8	616.1	627.8	664.8	668.7	538.1
70°	467.9	466.0	467.9	479.6	487.4	501.1	526.4	540.0	569.3	579.1	436.7
72.5°	384.1	382.1	384.1	393.8	401.7	413.3	434.8	450.4	475.7	487.4	339.2
75°	310.0	306.1	310.0	317.7	315.8	331.4	348.9	364.5	388.0	395.7	251.5
77.5°	237.9	237.9	237.9	245.6	245.6	261.2	269.1	288.6	302.2	313.9	185.2
80°	177.4	175.5	177.4	179.4	179.4	187.1	200.8	214.4	226.2	226.2	126.7
82.5°	124.8	120.8	124.8	124.8	124.8	128.7	136.4	140.4	148.2	154.0	79.9
85°	78.0	78.0	78.0	79.9	78.0	81.9	83.8	87.7	87.7	83.8	48.7
87.5°	50.7	48.7	50.7	48.7	48.7	46.8	46.8	46.8	44.9	42.9	27.3
90°	34.2	34.2	34.2	34.2	34.2	45.6	60.9	68.5	58.9	39.6	25.2
92.5°	137.2	110.0	137.2	164.4	171.2	242.7	338.0	385.7	338.6	244.5	173.9
95°	478.1	395.6	478.1	560.6	581.2	763.3	1006.0	1127.3	952.1	601.7	338.9
97.5°	1145.6	988.6	1145.6	1302.5	1341.8	1456.8	1610.2	1686.9	1394.8	810.5	372.2
100°	1650.5	1463.5	1650.5	1837.5	1884.3	1875.9	1864.6	1859.0	1534.8	886.4	400.1
102.5°	2147.2	1987.0	2147.2	2307.5	2347.5	2200.9	2005.4	1907.8	1578.9	921.2	428.0
105°	2780.5	2694.4	2780.5	2866.7	2888.2	2559.6	2121.4	1902.3	1583.9	947.1	469.5
107.5°	3195.4	3216.2	3195.4	3174.5	3169.3	2711.0	2099.8	1794.2	1513.5	951.9	530.8
110°	3353.5	3443.2	3353.5	3263.8	3241.4	2729.0	2045.8	1704.1	1451.0	944.7	565.0





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3367.7	3505.5	3367.7	3229.9	3195.5	2671.0	1971.7	1622.1	1396.4	945.1	606.5
115°	3278.3	3469.4	3278.3	3087.3	3039.6	2534.3	1860.7	1523.8	1333.8	953.7	668.6
117.5°	3089.0	3300.9	3089.0	2877.2	2824.2	2368.1	1760.2	1456.2	1294.6	971.4	729.0
120°	2936.5	3142.3	2936.5	2730.5	2679.1	2262.4	1706.9	1429.2	1281.4	985.9	764.2
122.5°	2787.8	2990.9	2787.8	2584.8	2534.0	2158.8	1658.5	1408.4	1274.5	1006.6	805.6
125°	2575.9	2762.9	2575.9	2388.9	2342.1	2023.4	1598.5	1386.0	1268.8	1034.5	858.8
127.5°	2385.3	2543.0	2385.3	2227.4	2188.0	1914.4	1549.5	1367.1	1265.5	1062.5	910.2
130°	2272.9	2418.7	2272.9	2127.1	2090.6	1847.0	1522.2	1359.8	1267.5	1082.9	944.4
132.5°	2170.9	2301.6	2170.9	2040.4	2007.8	1789.6	1498.8	1353.5	1268.8	1099.3	972.3
135°	2031.3	2143.8	2031.3	1918.7	1890.6	1708.0	1464.4	1342.7	1267.6	1117.5	1004.8
137.5°	1919.2	2011.4	1919.2	1827.1	1804.1	1649.7	1443.8	1340.9	1275.4	1144.5	1046.2
140°	1842.4	1928.4	1842.4	1756.2	1734.7	1601.4	1423.6	1334.6	1276.8	1161.0	1074.1
142.5°	1778.7	1852.7	1778.7	1704.6	1686.1	1568.9	1412.7	1334.6	1281.3	1174.8	1094.9
145°	1683.2	1739.2	1683.2	1627.1	1613.1	1517.3	1389.4	1325.6	1281.3	1192.8	1126.5
147.5°	1609.8	1656.3	1609.8	1563.4	1551.8	1476.4	1375.9	1325.6	1290.1	1219.3	1166.1
150°	1563.7	1601.4	1563.7	1526.0	1516.6	1452.9	1368.0	1325.6	1294.8	1233.1	1186.8
152.5°	1524.2	1552.6	1524.2	1495.7	1488.7	1434.3	1361.8	1325.6	1297.8	1242.1	1200.3
155°	1478.9	1497.7	1478.9	1460.1	1455.3	1412.1	1354.5	1325.6	1304.4	1261.9	1230.0
157.5°	1443.0	1456.2	1443.0	1429.8	1426.5	1392.8	1348.0	1325.6	1311.0	1281.7	1259.8
160°	1421.6	1429.2	1421.6	1414.1	1412.1	1383.2	1344.8	1325.6	1314.0	1290.8	1273.4
162.5°	1407.6	1414.8	1407.6	1400.4	1398.6	1374.2	1341.8	1325.6	1317.2	1300.3	1287.7
165°	1387.3	1395.0	1387.3	1379.8	1377.8	1360.4	1337.2	1325.6	1321.8	1314.2	1308.4
167.5°	1372.9	1376.1	1372.9	1369.6	1368.8	1357.4	1342.2	1334.6	1331.4	1325.0	1320.2
170°	1368.8	1368.8	1368.8	1368.8	1368.8	1357.4	1342.2	1334.6	1334.4	1334.0	1333.7
172.5°	1358.2	1355.3	1358.2	1361.0	1361.6	1352.6	1340.6	1334.6	1334.6	1334.6	1334.6
175°	1351.8	1351.8	1351.8	1351.8	1351.8	1346.0	1338.4	1334.6	1336.4	1340.0	1342.7
177.5°	1345.9	1342.7	1345.9	1349.1	1349.9	1345.5	1339.4	1336.4	1337.8	1340.6	1342.7
180°	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7
2.5°	2089.9	2078.2	2078.2	2058.7	2051.0	2045.1	2035.4	2006.1	1998.4	1990.5	2002.2
5°	2107.5	2086.1	2070.5	2035.4	2006.1	1994.4	1957.4	1887.2	1840.4	1805.3	1785.9
7.5°	2111.4	2084.1	2054.9	2000.3	1930.1	1898.9	1785.9	1657.2	1622.0	1590.9	1571.3
10°	2107.5	2076.3	2035.4	1953.5	1787.8	1733.2	1620.1	1536.3	1514.8	1509.0	1514.8
12.5°	2093.8	2064.6	2008.1	1871.6	1639.6	1602.5	1536.3	1487.5	1483.6	1493.4	1546.0
15°	2070.5	2043.1	1976.9	1762.4	1557.8	1530.4	1483.6	1466.1	1487.5	1555.7	1713.7
17.5°	2047.1	2015.9	1934.0	1655.2	1495.4	1475.9	1442.6	1477.8	1598.7	1690.3	1742.9
20°	2015.9	1978.8	1885.3	1577.2	1450.5	1433.0	1417.4	1575.3	1666.9	1700.0	1729.3
22.5°	1978.8	1939.8	1819.0	1522.6	1403.7	1390.0	1399.8	1629.9	1666.9	1690.3	1715.6
25°	1930.1	1896.9	1741.0	1479.8	1366.7	1351.1	1388.1	1624.0	1645.5	1651.3	1702.0
27.5°	1885.3	1842.4	1659.1	1440.7	1321.8	1316.0	1397.9	1598.7	1614.3	1620.1	1674.7
30°	1830.6	1766.3	1567.5	1399.8	1275.0	1273.1	1399.8	1567.5	1563.6	1579.2	1633.7
32.5°	1774.1	1653.2	1464.2	1349.1	1230.1	1228.2	1386.2	1520.7	1516.8	1538.2	1579.2
35°	1721.5	1565.5	1323.8	1290.6	1173.7	1175.6	1353.0	1466.1	1468.0	1487.5	1512.9
37.5°	1666.9	1489.4	1169.8	1226.3	1119.1	1119.1	1308.1	1415.4	1411.5	1417.4	1452.4
40°	1602.5	1370.6	1033.2	1142.5	1068.4	1062.5	1253.6	1360.8	1347.2	1345.3	1393.9
42.5°	1534.3	1239.9	931.9	1031.3	1009.9	1002.0	1187.3	1294.5	1269.2	1275.0	1337.4
45°	1460.3	1204.9	853.9	871.4	949.4	943.6	1115.1	1218.5	1201.0	1216.6	1280.9
47.5°	1386.2	1134.7	828.6	723.3	885.1	883.1	1035.2	1144.4	1134.7	1150.3	1218.5
50°	1284.8	1056.7	826.7	620.0	813.0	820.7	939.7	1072.3	1072.3	1086.0	1158.1
52.5°	1154.2	961.2	750.6	561.4	729.2	752.5	855.8	1009.9	1013.8	1027.4	1091.8
55°	1035.2	861.7	696.0	516.7	629.8	680.4	773.9	945.6	953.3	967.0	1025.5
57.5°	926.1	717.4	684.3	464.0	538.1	586.8	701.8	883.1	887.0	898.7	955.3
60°	809.1	518.6	627.8	407.5	458.1	495.2	635.6	809.1	822.7	830.5	879.3
62.5°	676.5	376.3	569.3	368.5	419.2	426.9	581.0	738.9	756.4	762.3	791.6
65°	481.6	315.8	483.5	335.4	378.2	380.1	522.5	666.8	682.4	692.1	713.6
67.5°	325.6	257.4	368.5	304.2	347.0	348.9	466.0	583.0	604.4	612.2	625.8
70°	226.2	171.6	273.0	271.0	311.9	315.8	405.5	506.9	526.4	532.3	540.0
72.5°	165.7	138.4	226.2	243.7	274.9	278.8	343.1	421.1	440.6	446.4	450.4
75°	126.7	146.2	183.2	212.5	233.9	235.9	280.7	343.1	356.8	360.7	362.6
77.5°	101.4	136.4	134.5	171.6	191.1	187.1	220.4	265.1	276.8	276.8	276.8
80°	76.1	107.3	101.4	122.9	140.4	136.4	157.9	189.1	193.0	196.9	195.0
82.5°	56.5	68.2	68.2	78.0	93.6	89.7	105.2	122.9	122.9	122.9	126.7
85°	35.1	39.0	31.2	41.0	52.6	50.7	58.5	66.3	68.2	68.2	64.3
87.5°	21.4	17.5	9.8	15.6	23.4	23.4	27.3	29.3	27.3	27.3	27.3
90°	23.4	16.2	9.0	16.2	23.4	25.2	39.6	58.9	68.5	60.9	45.6
92.5°	158.6	97.3	36.0	97.3	158.6	173.9	244.5	338.6	385.7	338.0	242.7
95°	310.9	198.6	86.5	198.6	310.9	338.9	601.7	952.1	1127.3	1006.0	763.3
97.5°	347.5	248.5	149.6	248.5	347.5	372.2	810.5	1394.8	1686.9	1610.2	1456.8
100°	377.7	288.0	198.3	288.0	377.7	400.1	886.4	1534.8	1859.0	1864.6	1875.9
102.5°	407.1	323.5	239.7	323.5	407.1	428.0	921.2	1578.9	1907.8	2005.4	2200.9
105°	451.7	380.9	310.0	380.9	451.7	469.5	947.1	1583.9	1902.3	2121.4	2559.6
107.5°	514.2	448.2	382.1	448.2	514.2	530.8	951.9	1513.5	1794.2	2099.8	2711.0
110°	550.1	490.4	430.7	490.4	550.1	565.0	944.7	1451.0	1704.1	2045.8	2729.0



TEST NUMBER: P934697

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	592.3	535.4	478.5	535.4	592.3	606.5	945.1	1396.4	1622.1	1971.7	2671.0
115°	655.5	603.0	550.6	603.0	655.5	668.6	953.7	1333.8	1523.8	1860.7	2534.3
117.5°	717.1	669.5	621.8	669.5	717.1	729.0	971.4	1294.6	1456.2	1760.2	2368.1
120°	752.9	708.1	663.3	708.1	752.9	764.2	985.9	1281.4	1429.2	1706.9	2262.4
122.5°	794.3	749.0	703.8	749.0	794.3	805.6	1006.6	1274.5	1408.4	1658.5	2158.8
125°	848.6	807.3	766.0	807.3	848.6	858.8	1034.5	1268.8	1386.0	1598.5	2023.4
127.5°	899.8	858.1	816.5	858.1	899.8	910.2	1062.5	1265.5	1367.1	1549.5	1914.4
130°	933.1	888.4	843.5	888.4	933.1	944.4	1082.9	1267.5	1359.8	1522.2	1847.0
132.5°	961.1	916.3	871.4	916.3	961.1	972.3	1099.3	1268.8	1353.5	1498.8	1789.6
135°	994.6	953.7	912.9	953.7	994.6	1004.8	1117.5	1267.6	1342.7	1464.4	1708.0
137.5°	1036.2	995.6	955.2	995.6	1036.2	1046.2	1144.5	1275.4	1340.9	1443.8	1649.7
140°	1064.8	1027.5	990.3	1027.5	1064.8	1074.1	1161.0	1276.8	1334.6	1423.6	1601.4
142.5°	1086.2	1051.8	1017.4	1051.8	1086.2	1094.9	1174.8	1281.3	1334.6	1412.7	1568.9
145°	1118.9	1088.9	1058.8	1088.9	1118.9	1126.5	1192.8	1281.3	1325.6	1389.4	1517.3
147.5°	1158.8	1129.6	1100.3	1129.6	1158.8	1166.1	1219.3	1290.1	1325.6	1375.9	1476.4
150°	1180.2	1153.8	1127.3	1153.8	1180.2	1186.8	1233.1	1294.8	1325.6	1368.0	1452.9
152.5°	1195.3	1175.3	1155.2	1175.3	1195.3	1200.3	1242.1	1297.8	1325.6	1361.8	1434.3
155°	1226.4	1211.5	1196.7	1211.5	1226.4	1230.0	1261.9	1304.4	1325.6	1354.5	1412.1
157.5°	1256.2	1241.8	1227.3	1241.8	1256.2	1259.8	1281.7	1311.0	1325.6	1348.0	1392.8
160°	1270.6	1259.3	1248.1	1259.3	1270.6	1273.4	1290.8	1314.0	1325.6	1344.8	1383.2
162.5°	1285.6	1277.2	1268.8	1277.2	1285.6	1287.7	1300.3	1317.2	1325.6	1341.8	1374.2
165°	1306.5	1298.9	1291.4	1298.9	1306.5	1308.4	1314.2	1321.8	1325.6	1337.2	1360.4
167.5°	1319.3	1315.6	1312.0	1315.6	1319.3	1320.2	1325.0	1331.4	1334.6	1342.2	1357.4
170°	1332.9	1329.2	1325.6	1329.2	1332.9	1333.7	1334.0	1334.4	1334.6	1342.2	1357.4
172.5°	1334.4	1333.5	1332.8	1333.5	1334.4	1334.6	1334.6	1334.6	1334.6	1340.6	1352.6
175°	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1340.0	1336.4	1334.6	1338.4	1346.0
177.5°	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1340.6	1337.8	1336.4	1339.4	1345.5
180°	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7



TEST NUMBER: P934697  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7
2.5°	1988.6	1982.8	1990.5	1969.1	1990.5	1982.8	1988.6	2002.2	1990.5	1998.4	2006.1
5°	1744.9	1735.1	1704.0	1678.6	1704.0	1735.1	1744.9	1785.9	1805.3	1840.4	1887.2
7.5°	1559.7	1551.9	1544.1	1528.5	1544.1	1551.9	1559.7	1571.3	1590.9	1622.0	1657.2
10°	1518.7	1520.7	1532.4	1530.4	1532.4	1520.7	1518.7	1514.8	1509.0	1514.8	1536.3
12.5°	1624.0	1641.6	1705.9	1702.0	1705.9	1641.6	1624.0	1546.0	1493.4	1483.6	1487.5
15°	1744.9	1750.7	1764.4	1766.3	1764.4	1750.7	1744.9	1713.7	1555.7	1487.5	1466.1
17.5°	1756.6	1758.5	1768.2	1768.2	1768.2	1758.5	1756.6	1742.9	1690.3	1598.7	1477.8
20°	1746.8	1750.7	1770.3	1774.1	1770.3	1750.7	1746.8	1729.3	1700.0	1666.9	1575.3
22.5°	1742.9	1750.7	1766.3	1764.4	1766.3	1750.7	1742.9	1715.6	1690.3	1666.9	1629.9
25°	1723.5	1723.5	1725.4	1727.3	1725.4	1723.5	1723.5	1702.0	1651.3	1645.5	1624.0
27.5°	1682.5	1686.4	1698.1	1696.1	1698.1	1686.4	1682.5	1674.7	1620.1	1614.3	1598.7
30°	1645.5	1641.6	1631.8	1624.0	1631.8	1641.6	1645.5	1633.7	1579.2	1563.6	1567.5
32.5°	1583.1	1573.3	1563.6	1557.8	1563.6	1573.3	1583.1	1579.2	1538.2	1516.8	1520.7
35°	1509.0	1511.0	1509.0	1503.1	1509.0	1511.0	1509.0	1512.9	1487.5	1468.0	1466.1
37.5°	1456.3	1460.3	1458.2	1450.5	1458.2	1460.3	1456.3	1452.4	1417.4	1411.5	1415.4
40°	1401.8	1403.7	1401.8	1395.9	1401.8	1403.7	1401.8	1393.9	1345.3	1347.2	1360.8
42.5°	1349.1	1347.2	1341.3	1337.4	1341.3	1347.2	1349.1	1337.4	1275.0	1269.2	1294.5
45°	1288.7	1290.6	1278.9	1273.1	1278.9	1290.6	1288.7	1280.9	1216.6	1201.0	1218.5
47.5°	1228.2	1228.2	1218.5	1212.6	1218.5	1228.2	1228.2	1218.5	1150.3	1134.7	1144.4
50°	1163.9	1161.9	1148.3	1146.3	1148.3	1161.9	1163.9	1158.1	1086.0	1072.3	1072.3
52.5°	1089.8	1089.8	1091.8	1095.6	1091.8	1089.8	1089.8	1091.8	1027.4	1013.8	1009.9
55°	1025.5	1027.4	1041.1	1045.0	1041.1	1027.4	1025.5	1025.5	967.0	953.3	945.6
57.5°	959.2	959.2	968.9	968.9	968.9	959.2	959.2	955.3	898.7	887.0	883.1
60°	883.1	887.0	894.9	892.9	894.9	887.0	883.1	879.3	830.5	822.7	809.1
62.5°	803.2	807.2	809.1	805.1	809.1	807.2	803.2	791.6	762.3	756.4	738.9
65°	719.4	723.3	725.2	721.3	725.2	723.3	719.4	713.6	692.1	682.4	666.8
67.5°	633.6	631.7	629.8	637.5	629.8	631.7	633.6	625.8	612.2	604.4	583.0
70°	545.8	545.8	543.9	547.9	543.9	545.8	545.8	540.0	532.3	526.4	506.9
72.5°	452.3	450.4	458.1	452.3	458.1	450.4	452.3	450.4	446.4	440.6	421.1
75°	360.7	364.5	360.7	366.5	360.7	364.5	360.7	362.6	360.7	356.8	343.1
77.5°	274.9	278.8	274.9	274.9	274.9	278.8	274.9	276.8	276.8	276.8	265.1
80°	195.0	193.0	193.0	191.1	193.0	193.0	195.0	195.0	196.9	193.0	189.1
82.5°	124.8	122.9	122.9	126.7	122.9	122.9	124.8	126.7	122.9	122.9	122.9
85°	68.2	70.2	66.3	66.3	66.3	70.2	68.2	64.3	68.2	68.2	66.3
87.5°	25.4	23.4	23.4	23.4	23.4	23.4	25.4	27.3	27.3	27.3	29.3
90°	34.2	34.2	34.2	34.2	34.2	34.2	34.2	45.6	60.9	68.5	58.9
92.5°	171.2	164.4	137.2	110.0	137.2	164.4	171.2	242.7	338.0	385.7	338.6
95°	581.2	560.6	478.1	395.6	478.1	560.6	581.2	763.3	1006.0	1127.3	952.1
97.5°	1341.8	1302.5	1145.6	988.6	1145.6	1302.5	1341.8	1456.8	1610.2	1686.9	1394.8
100°	1884.3	1837.5	1650.5	1463.5	1650.5	1837.5	1884.3	1875.9	1864.6	1859.0	1534.8
102.5°	2347.5	2307.5	2147.2	1987.0	2147.2	2307.5	2347.5	2200.9	2005.4	1907.8	1578.9
105°	2888.2	2866.7	2780.5	2694.4	2780.5	2866.7	2888.2	2559.6	2121.4	1902.3	1583.9
107.5°	3169.3	3174.5	3195.4	3216.2	3195.4	3174.5	3169.3	2711.0	2099.8	1794.2	1513.5
110°	3241.4	3263.8	3353.5	3443.2	3353.5	3263.8	3241.4	2729.0	2045.8	1704.1	1451.0



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3195.5	3229.9	3367.7	3505.5	3367.7	3229.9	3195.5	2671.0	1971.7	1622.1	1396.4
115°	3039.6	3087.3	3278.3	3469.4	3278.3	3087.3	3039.6	2534.3	1860.7	1523.8	1333.8
117.5°	2824.2	2877.2	3089.0	3300.9	3089.0	2877.2	2824.2	2368.1	1760.2	1456.2	1294.6
120°	2679.1	2730.5	2936.5	3142.3	2936.5	2730.5	2679.1	2262.4	1706.9	1429.2	1281.4
122.5°	2534.0	2584.8	2787.8	2990.9	2787.8	2584.8	2534.0	2158.8	1658.5	1408.4	1274.5
125°	2342.1	2388.9	2575.9	2762.9	2575.9	2388.9	2342.1	2023.4	1598.5	1386.0	1268.8
127.5°	2188.0	2227.4	2385.3	2543.0	2385.3	2227.4	2188.0	1914.4	1549.5	1367.1	1265.5
130°	2090.6	2127.1	2272.9	2418.7	2272.9	2127.1	2090.6	1847.0	1522.2	1359.8	1267.5
132.5°	2007.8	2040.4	2170.9	2301.6	2170.9	2040.4	2007.8	1789.6	1498.8	1353.5	1268.8
135°	1890.6	1918.7	2031.3	2143.8	2031.3	1918.7	1890.6	1708.0	1464.4	1342.7	1267.6
137.5°	1804.1	1827.1	1919.2	2011.4	1919.2	1827.1	1804.1	1649.7	1443.8	1340.9	1275.4
140°	1734.7	1756.2	1842.4	1928.4	1842.4	1756.2	1734.7	1601.4	1423.6	1334.6	1276.8
142.5°	1686.1	1704.6	1778.7	1852.7	1778.7	1704.6	1686.1	1568.9	1412.7	1334.6	1281.3
145°	1613.1	1627.1	1683.2	1739.2	1683.2	1627.1	1613.1	1517.3	1389.4	1325.6	1281.3
147.5°	1551.8	1563.4	1609.8	1656.3	1609.8	1563.4	1551.8	1476.4	1375.9	1325.6	1290.1
150°	1516.6	1526.0	1563.7	1601.4	1563.7	1526.0	1516.6	1452.9	1368.0	1325.6	1294.8
152.5°	1488.7	1495.7	1524.2	1552.6	1524.2	1495.7	1488.7	1434.3	1361.8	1325.6	1297.8
155°	1455.3	1460.1	1478.9	1497.7	1478.9	1460.1	1455.3	1412.1	1354.5	1325.6	1304.4
157.5°	1426.5	1429.8	1443.0	1456.2	1443.0	1429.8	1426.5	1392.8	1348.0	1325.6	1311.0
160°	1412.1	1414.1	1421.6	1429.2	1421.6	1414.1	1412.1	1383.2	1344.8	1325.6	1314.0
162.5°	1398.6	1400.4	1407.6	1414.8	1407.6	1400.4	1398.6	1374.2	1341.8	1325.6	1317.2
165°	1377.8	1379.8	1387.3	1395.0	1387.3	1379.8	1377.8	1360.4	1337.2	1325.6	1321.8
167.5°	1368.8	1369.6	1372.9	1376.1	1372.9	1369.6	1368.8	1357.4	1342.2	1334.6	1331.4
170°	1368.8	1368.8	1368.8	1368.8	1368.8	1368.8	1368.8	1357.4	1342.2	1334.6	1334.4
172.5°	1361.6	1361.0	1358.2	1355.3	1358.2	1361.0	1361.6	1352.6	1340.6	1334.6	1334.6
175°	1351.8	1351.8	1351.8	1351.8	1351.8	1351.8	1351.8	1346.0	1338.4	1334.6	1336.4
177.5°	1349.9	1349.1	1345.9	1342.7	1345.9	1349.1	1349.9	1345.5	1339.4	1336.4	1337.8
180°	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2060.7	2060.7	2060.7	2060.7	2060.7
2.5°	2035.4	2045.1	2051.0	2058.7	2078.2
5°	1957.4	1994.4	2006.1	2035.4	2070.5
7.5°	1785.9	1898.9	1930.1	2000.3	2054.9
10°	1620.1	1733.2	1787.8	1953.5	2035.4
12.5°	1536.3	1602.5	1639.6	1871.6	2008.1
15°	1483.6	1530.4	1557.8	1762.4	1976.9
17.5°	1442.6	1475.9	1495.4	1655.2	1934.0
20°	1417.4	1433.0	1450.5	1577.2	1885.3
22.5°	1399.8	1390.0	1403.7	1522.6	1819.0
25°	1388.1	1351.1	1366.7	1479.8	1741.0
27.5°	1397.9	1316.0	1321.8	1440.7	1659.1
30°	1399.8	1273.1	1275.0	1399.8	1567.5
32.5°	1386.2	1228.2	1230.1	1349.1	1464.2
35°	1353.0	1175.6	1173.7	1290.6	1323.8
37.5°	1308.1	1119.1	1119.1	1226.3	1169.8
40°	1253.6	1062.5	1068.4	1142.5	1033.2
42.5°	1187.3	1002.0	1009.9	1031.3	931.9
45°	1115.1	943.6	949.4	871.4	853.9
47.5°	1035.2	883.1	885.1	723.3	828.6
50°	939.7	820.7	813.0	620.0	826.7
52.5°	855.8	752.5	729.2	561.4	750.6
55°	773.9	680.4	629.8	516.7	696.0
57.5°	701.8	586.8	538.1	464.0	684.3
60°	635.6	495.2	458.1	407.5	627.8
62.5°	581.0	426.9	419.2	368.5	569.3
65°	522.5	380.1	378.2	335.4	483.5
67.5°	466.0	348.9	347.0	304.2	368.5
70°	405.5	315.8	311.9	271.0	273.0
72.5°	343.1	278.8	274.9	243.7	226.2
75°	280.7	235.9	233.9	212.5	183.2
77.5°	220.4	187.1	191.1	171.6	134.5
80°	157.9	136.4	140.4	122.9	101.4
82.5°	105.2	89.7	93.6	78.0	68.2
85°	58.5	50.7	52.6	41.0	31.2
87.5°	27.3	23.4	23.4	15.6	9.8
90°	39.6	25.2	23.4	16.2	9.0
92.5°	244.5	173.9	158.6	97.3	36.0
95°	601.7	338.9	310.9	198.6	86.5
97.5°	810.5	372.2	347.5	248.5	149.6
100°	886.4	400.1	377.7	288.0	198.3
102.5°	921.2	428.0	407.1	323.5	239.7
105°	947.1	469.5	451.7	380.9	310.0
107.5°	951.9	530.8	514.2	448.2	382.1
110°	944.7	565.0	550.1	490.4	430.7



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CATALOG NUMBER: SQ4-FA-075U-050D-B35-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	945.1	606.5	592.3	535.4	478.5
115°	953.7	668.6	655.5	603.0	550.6
117.5°	971.4	729.0	717.1	669.5	621.8
120°	985.9	764.2	752.9	708.1	663.3
122.5°	1006.6	805.6	794.3	749.0	703.8
125°	1034.5	858.8	848.6	807.3	766.0
127.5°	1062.5	910.2	899.8	858.1	816.5
130°	1082.9	944.4	933.1	888.4	843.5
132.5°	1099.3	972.3	961.1	916.3	871.4
135°	1117.5	1004.8	994.6	953.7	912.9
137.5°	1144.5	1046.2	1036.2	995.6	955.2
140°	1161.0	1074.1	1064.8	1027.5	990.3
142.5°	1174.8	1094.9	1086.2	1051.8	1017.4
145°	1192.8	1126.5	1118.9	1088.9	1058.8
147.5°	1219.3	1166.1	1158.8	1129.6	1100.3
150°	1233.1	1186.8	1180.2	1153.8	1127.3
152.5°	1242.1	1200.3	1195.3	1175.3	1155.2
155°	1261.9	1230.0	1226.4	1211.5	1196.7
157.5°	1281.7	1259.8	1256.2	1241.8	1227.3
160°	1290.8	1273.4	1270.6	1259.3	1248.1
162.5°	1300.3	1287.7	1285.6	1277.2	1268.8
165°	1314.2	1308.4	1306.5	1298.9	1291.4
167.5°	1325.0	1320.2	1319.3	1315.6	1312.0
170°	1334.0	1333.7	1332.9	1329.2	1325.6
172.5°	1334.6	1334.6	1334.4	1333.5	1332.8
175°	1340.0	1342.7	1342.7	1342.7	1342.7
177.5°	1340.6	1342.7	1342.7	1342.7	1342.7
180°	1342.7	1342.7	1342.7	1342.7	1342.7



TEST NUMBER: P934697  
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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	10.03	10.79	11.08	11.85	13.28	12.88	13.65	13.94	14.70	16.14
	3H	10.50	11.18	11.56	12.25	13.70	14.23	14.91	15.29	15.98	17.43
	4H	10.69	11.34	11.76	12.40	13.86	14.67	15.32	15.75	16.39	17.84
	6H	10.80	11.40	11.88	12.47	13.94	14.96	15.55	16.04	16.62	18.09
	8H	10.80	11.37	11.89	12.45	13.92	15.03	15.60	16.12	16.69	18.15
	12H	10.77	11.31	11.86	12.39	13.87	15.07	15.61	16.16	16.69	18.18
4H	2H	11.06	11.70	12.14	12.77	14.23	13.28	13.93	14.36	14.99	16.45
	3H	12.07	12.61	13.16	13.71	15.18	14.78	15.32	15.87	16.42	17.89
	4H	12.35	12.84	13.44	13.93	15.42	15.31	15.81	16.40	16.89	18.38
	6H	12.47	12.89	13.57	14.00	15.48	15.68	16.10	16.78	17.21	18.69
	8H	12.47	12.87	13.57	13.97	15.47	15.78	16.18	16.88	17.28	18.78
	12H	12.43	12.79	13.55	13.90	15.41	15.84	16.20	16.96	17.31	18.82
8H	4H	12.80	13.19	13.90	14.29	15.79	15.43	15.82	16.53	16.92	18.42
	6H	13.05	13.38	14.18	14.52	16.02	15.86	16.19	16.99	17.33	18.83
	8H	13.09	13.38	14.23	14.51	16.02	16.02	16.31	17.15	17.43	18.95
	12H	13.07	13.33	14.21	14.45	16.00	16.12	16.37	17.25	17.49	19.04
12H	4H	12.80	13.16	13.92	14.27	15.78	15.39	15.74	16.50	16.86	18.36
	6H	13.11	13.40	14.24	14.53	16.04	15.86	16.15	16.99	17.27	18.79
	8H	13.18	13.43	14.31	14.55	16.10	16.02	16.27	17.15	17.39	18.95