

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: P935776

Luminaire Tested: SQ4-FA-125U-125D-940-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

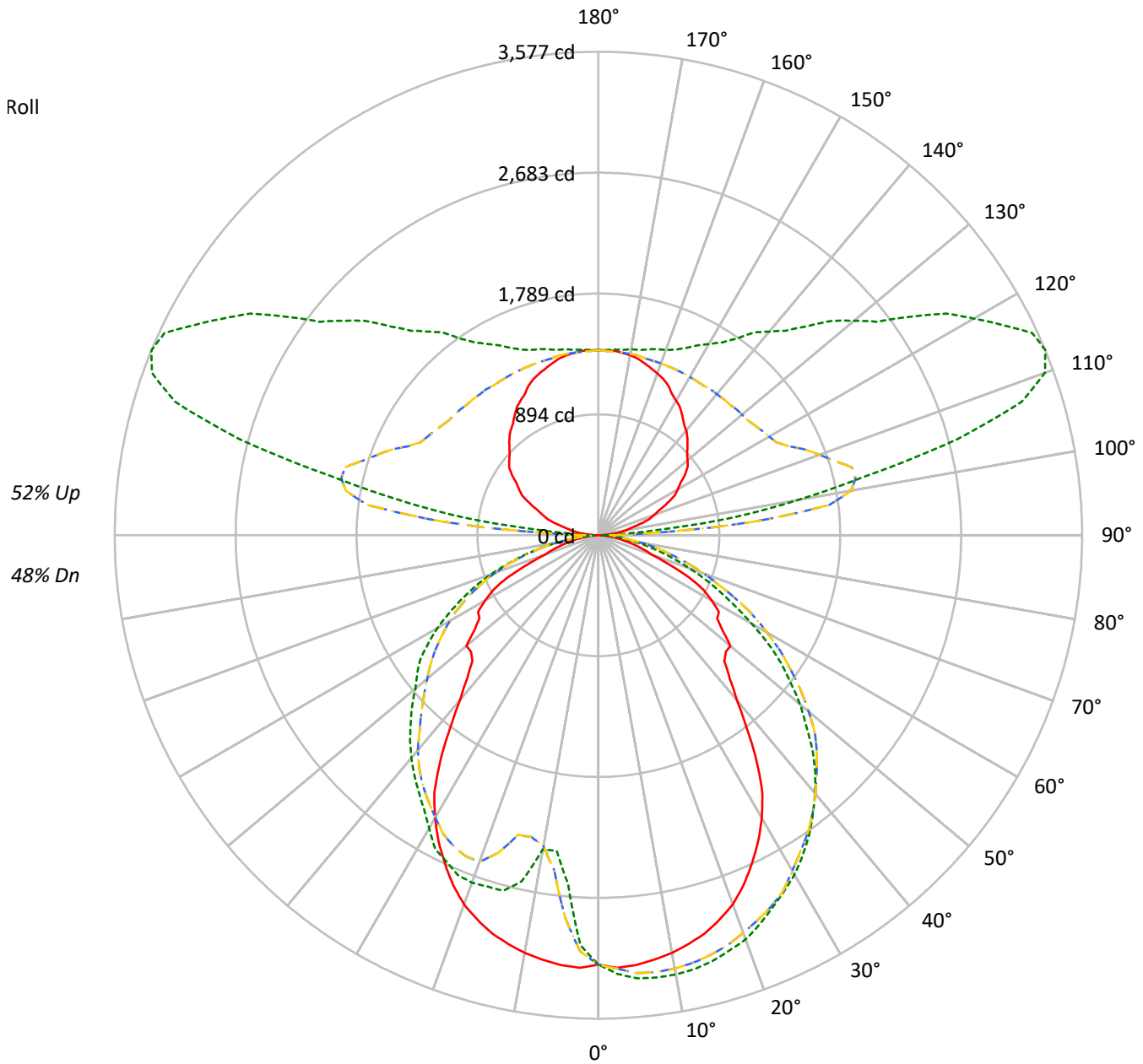
Test Method: LM-79-2019  
Report Number: P935776  
REPORT IS A COMBINATION OF REPORTS P933768 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-125D-940-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17123.3 lumens  
Efficiency: N/A  
Efficacy: 113.9 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 150.4  
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



— 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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34	34	34	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29	29	29	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25	25	25	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21	21	21	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19	19
7	58	45	38	32	53	42	35	30	36	31	26	30	26	23	25	22	19	17	17	17	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13	13	13	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12	12	12	12

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

	0°	90°	180°	270°
0°	14738	14738	14738	14738
5°	14848	14878	14848	11698
10°	14749	14654	14749	10477
15°	14588	14337	14588	11972
20°	14284	13961	14284	11997
25°	13659	13413	13659	11743
30°	12852	12957	12852	11185
35°	11457	12381	11457	10571
40°	9547	11703	9547	10107
45°	8530	10909	8530	9575
50°	9062	9962	9062	9040
55°	8526	8942	8526	8730
60°	8789	7595	8789	7996
65°	7969	6278	7969	7018
70°	5517	5003	5517	5883
75°	4838	3698	4838	4428
80°	3900	2445	3900	2662
85°	2236	1295	2236	1101

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13074 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	286.7	1.7
10°-20°	814.1	4.8
20°-30°	1258.5	7.3
30°-40°	1502.4	8.8
40°-50°	1511.2	8.8
50°-60°	1314.9	7.7
60°-70°	932.3	5.4
70°-80°	493.2	2.9
80°-90°	128.1	0.7
90°-100°	667.9	3.9
100°-110°	1755.8	10.3
110°-120°	1820.6	10.6
120°-130°	1460.4	8.5
130°-140°	1145.9	6.7
140°-150°	879.5	5.1
150°-160°	633.4	3.7
160°-170°	387.5	2.3
170°-180°	130.9	0.8
0°-30°	2359.4	13.8
0°-40°	3861.7	22.6
0°-60°	6687.8	39.1
0°-90°	8241.4	48.1
90°-120°	4244.3	24.8
90°-150°	7730.1	45.1
90°-180°	8882.0	51.9
0°-180°	17123.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3177	3177	3177	3177	3177	
5°	3192	3291	3192	2588	3192	303
15°	3047	3261	3047	2723	3047	857
25°	2684	3041	2684	2663	2684	1232
35°	2040	2714	2040	2317	2040	1262
45°	1316	2236	1316	1962	1316	1054
55°	1073	1650	1073	1611	1073	986
65°	745	995	745	1112	745	712
75°	282	472	282	565	282	297
85°	48	120	48	102	48	65
90°	9	35	9	35	9	10
95°	88	404	88	404	88	98
105°	316	2749	316	2749	316	335
115°	562	3540	562	3540	562	555
125°	782	2819	782	2819	782	694
135°	932	2188	932	2188	932	721
145°	1080	1775	1080	1775	1080	677
155°	1221	1528	1221	1528	1221	561
165°	1318	1424	1318	1424	1318	372
175°	1370	1379	1370	1379	1370	130
180°	1370	1370	1370	1370	1370	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6
2.5°	3203.5	3203.5	3221.6	3227.6	3227.6	3218.6	3209.6	3218.6	3245.6	3254.7	3251.7
5°	3191.6	3215.6	3248.7	3254.7	3260.6	3257.7	3251.7	3257.7	3287.7	3293.8	3296.8
7.5°	3167.5	3212.6	3254.7	3263.7	3272.7	3263.7	3260.6	3266.7	3296.8	3302.7	3302.7
10°	3137.5	3200.6	3248.7	3254.7	3263.7	3254.7	3254.7	3266.7	3296.8	3302.7	3305.8
12.5°	3095.4	3182.5	3227.6	3233.7	3245.6	3242.6	3239.7	3251.7	3281.7	3287.7	3287.7
15°	3047.3	3149.5	3191.6	3197.6	3218.6	3212.6	3212.6	3224.6	3257.7	3266.7	3263.7
17.5°	2981.2	3107.4	3155.5	3164.5	3179.6	3176.6	3179.6	3191.6	3221.6	3227.6	3230.6
20°	2906.1	3050.3	3107.4	3116.4	3131.4	3131.4	3131.4	3146.5	3176.6	3188.5	3188.5
22.5°	2803.9	2990.3	3050.3	3056.3	3074.3	3074.3	3080.4	3101.4	3128.4	3131.4	3131.4
25°	2683.7	2924.1	2975.2	2993.2	3011.2	3020.3	3029.3	3041.3	3050.3	3047.3	3050.3
27.5°	2557.4	2839.9	2906.1	2918.1	2942.1	2951.2	2963.2	2966.2	2969.2	2978.2	2972.1
30°	2416.2	2722.8	2821.9	2834.0	2873.0	2879.0	2867.0	2873.0	2888.0	2894.1	2900.0
32.5°	2256.9	2548.5	2734.8	2761.9	2797.9	2779.9	2776.9	2785.8	2809.9	2809.9	2815.9
35°	2040.5	2413.2	2653.6	2677.7	2704.7	2683.7	2695.7	2698.7	2713.7	2722.8	2719.8
37.5°	1803.2	2296.0	2569.5	2587.5	2608.6	2581.5	2599.5	2608.6	2620.6	2614.5	2614.5
40°	1592.8	2112.6	2470.3	2482.3	2500.3	2479.3	2497.3	2503.4	2509.4	2503.4	2500.3
42.5°	1436.5	1911.3	2365.1	2380.1	2368.1	2383.1	2389.2	2401.2	2392.2	2380.1	2380.1
45°	1316.3	1857.3	2250.9	2268.9	2250.9	2275.0	2284.0	2284.0	2256.9	2250.9	2247.9
47.5°	1277.2	1749.0	2136.7	2136.7	2127.7	2157.8	2172.8	2151.7	2124.7	2115.7	2115.7
50°	1274.2	1628.9	1980.4	1968.4	2010.5	2046.6	2031.6	2010.5	1989.5	1956.4	1956.4
52.5°	1157.0	1481.5	1779.1	1824.2	1890.3	1911.3	1887.3	1866.2	1830.2	1815.2	1803.2
55°	1072.9	1328.4	1595.8	1686.0	1755.0	1782.1	1737.0	1716.0	1661.9	1652.9	1646.9
57.5°	1054.9	1105.9	1427.5	1541.7	1625.8	1622.8	1595.8	1556.8	1511.6	1502.6	1499.7
60°	967.7	799.4	1247.2	1382.4	1469.6	1460.6	1436.5	1400.5	1358.4	1352.3	1346.4
62.5°	877.5	580.0	1042.8	1196.0	1319.3	1316.3	1295.2	1241.2	1211.1	1196.0	1184.1
65°	745.3	486.9	742.3	994.7	1172.1	1178.0	1133.0	1093.9	1060.8	1042.8	1039.8
67.5°	568.0	396.7	501.9	829.5	1030.8	1024.8	967.7	949.6	907.6	898.6	880.5
70°	420.7	264.4	348.6	673.2	892.5	877.5	832.4	811.5	772.4	751.3	739.3
72.5°	348.6	213.4	255.5	522.9	751.3	733.3	694.2	670.2	637.1	619.1	607.0
75°	282.5	225.4	195.4	387.7	610.1	598.1	562.0	538.0	510.9	486.9	489.8
77.5°	207.3	210.4	156.3	285.5	483.9	465.8	444.8	414.7	402.7	378.6	378.6
80°	156.3	165.3	117.2	195.4	348.6	348.6	330.6	309.6	288.5	276.5	276.5
82.5°	105.1	105.1	87.1	123.3	237.5	228.4	216.4	210.4	198.4	192.3	192.3
85°	48.0	60.1	54.1	75.1	129.2	135.2	135.2	129.2	126.2	120.2	123.3
87.5°	15.0	27.1	33.0	42.1	66.2	69.1	72.1	72.1	72.1	75.1	75.1
90°	9.2	16.6	23.9	25.8	40.5	60.1	69.9	62.1	46.5	34.9	34.9
92.5°	36.8	99.3	161.9	177.5	249.5	345.5	393.6	344.9	247.7	174.7	167.7
95°	88.3	202.7	317.2	345.8	614.0	971.6	1150.3	1026.5	778.9	593.1	572.0
97.5°	152.6	253.6	354.6	379.8	827.0	1423.3	1721.4	1643.2	1486.6	1369.2	1329.2
100°	202.3	293.8	385.4	408.3	904.5	1566.2	1897.0	1902.7	1914.2	1922.8	1875.1
102.5°	244.6	330.0	415.4	436.8	940.1	1611.2	1946.7	2046.4	2245.8	2395.4	2354.5
105°	316.3	388.7	461.0	479.1	966.4	1616.2	1941.2	2164.7	2611.8	2947.1	2925.2
107.5°	389.9	457.3	524.7	541.6	971.3	1544.3	1830.8	2142.7	2766.3	3234.0	3239.3
110°	439.6	500.5	561.4	576.6	964.0	1480.6	1738.9	2087.5	2784.7	3307.5	3330.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	488.3	546.3	604.4	618.8	964.3	1424.9	1655.1	2011.9	2725.4	3260.6	3295.8
115°	561.8	615.4	668.8	682.3	973.2	1361.0	1555.0	1898.6	2586.0	3101.6	3150.4
117.5°	634.5	683.1	731.7	743.9	991.3	1321.1	1486.0	1796.2	2416.5	2881.8	2935.9
120°	676.7	722.6	768.3	779.8	1005.9	1307.6	1458.4	1741.8	2308.6	2733.8	2786.3
122.5°	718.1	764.3	810.5	822.0	1027.1	1300.5	1437.2	1692.4	2203.0	2585.8	2637.5
125°	781.6	823.7	865.8	876.3	1055.6	1294.7	1414.2	1631.1	2064.7	2389.9	2437.6
127.5°	833.1	875.7	918.1	928.8	1084.2	1291.3	1395.0	1581.1	1953.4	2232.6	2272.8
130°	860.6	906.5	952.2	963.7	1104.9	1293.4	1387.6	1553.3	1884.8	2133.3	2170.5
132.5°	889.2	935.0	980.7	992.2	1121.8	1294.7	1381.1	1529.5	1826.2	2048.7	2082.0
135°	931.5	973.2	1014.9	1025.3	1140.2	1293.5	1370.1	1494.3	1742.8	1929.2	1957.9
137.5°	974.7	1016.0	1057.3	1067.6	1167.8	1301.5	1368.2	1473.3	1683.4	1840.9	1864.4
140°	1010.5	1048.6	1086.6	1096.1	1184.7	1302.8	1361.8	1452.6	1634.0	1770.1	1792.1
142.5°	1038.2	1073.3	1108.4	1117.2	1198.7	1307.5	1361.8	1441.5	1600.9	1720.4	1739.3
145°	1080.4	1111.1	1141.8	1149.4	1217.2	1307.5	1352.6	1417.8	1548.2	1646.0	1660.3
147.5°	1122.8	1152.6	1182.5	1189.9	1244.2	1316.5	1352.6	1403.9	1506.5	1583.5	1595.3
150°	1150.3	1177.3	1204.3	1211.1	1258.2	1321.2	1352.6	1395.9	1482.6	1547.6	1557.2
152.5°	1178.8	1199.2	1219.7	1224.8	1267.4	1324.2	1352.6	1389.6	1463.6	1519.1	1526.4
155°	1221.2	1236.3	1251.4	1255.2	1287.7	1330.9	1352.6	1382.1	1441.0	1485.1	1489.9
157.5°	1252.4	1267.1	1281.8	1285.5	1307.8	1337.7	1352.6	1375.5	1421.2	1455.6	1459.0
160°	1273.6	1285.0	1296.5	1299.3	1317.1	1340.8	1352.6	1372.2	1411.5	1440.9	1442.8
162.5°	1294.7	1303.2	1311.8	1314.0	1326.8	1344.0	1352.6	1369.1	1402.2	1427.1	1429.0
165°	1317.7	1325.5	1333.2	1335.2	1341.0	1348.7	1352.6	1364.5	1388.2	1406.0	1407.9
167.5°	1338.8	1342.5	1346.2	1347.1	1352.0	1358.6	1361.8	1369.6	1385.1	1396.7	1397.5
170°	1352.6	1356.3	1360.1	1360.9	1361.2	1361.7	1361.8	1369.6	1385.1	1396.7	1396.7
172.5°	1360.0	1360.8	1361.7	1361.8	1361.8	1361.8	1361.8	1368.0	1380.2	1389.5	1388.7
175°	1370.1	1370.1	1370.1	1370.1	1367.3	1363.7	1361.8	1365.7	1373.5	1379.3	1379.3
177.5°	1370.1	1370.1	1370.1	1370.1	1368.0	1365.1	1363.7	1366.7	1372.8	1377.5	1376.7
180°	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6
2.5°	3257.7	3248.7	3257.7	3251.7	3254.7	3245.6	3218.6	3209.6	3218.6	3227.6	3227.6
5°	3296.8	3290.8	3296.8	3296.8	3293.8	3287.7	3257.7	3251.7	3257.7	3260.6	3254.7
7.5°	3308.8	3299.7	3308.8	3302.7	3302.7	3296.8	3266.7	3260.6	3263.7	3272.7	3263.7
10°	3308.8	3299.7	3308.8	3305.8	3302.7	3296.8	3266.7	3254.7	3254.7	3263.7	3254.7
12.5°	3293.8	3287.7	3293.8	3287.7	3287.7	3281.7	3251.7	3239.7	3242.6	3245.6	3233.7
15°	3269.7	3260.6	3269.7	3263.7	3266.7	3257.7	3224.6	3212.6	3212.6	3218.6	3197.6
17.5°	3233.7	3221.6	3233.7	3230.6	3227.6	3221.6	3191.6	3179.6	3176.6	3179.6	3164.5
20°	3191.6	3182.5	3191.6	3188.5	3188.5	3176.6	3146.5	3131.4	3131.4	3131.4	3116.4
22.5°	3125.4	3116.4	3125.4	3131.4	3131.4	3128.4	3101.4	3080.4	3074.3	3074.3	3056.3
25°	3050.3	3041.3	3050.3	3050.3	3047.3	3050.3	3041.3	3029.3	3020.3	3011.2	2993.2
27.5°	2978.2	2972.1	2978.2	2972.1	2978.2	2969.2	2966.2	2963.2	2951.2	2942.1	2918.1
30°	2906.1	2900.0	2906.1	2900.0	2894.1	2888.0	2873.0	2867.0	2879.0	2873.0	2834.0
32.5°	2815.9	2809.9	2815.9	2815.9	2809.9	2809.9	2785.8	2776.9	2779.9	2797.9	2761.9
35°	2722.8	2713.7	2722.8	2719.8	2722.8	2713.7	2698.7	2695.7	2683.7	2704.7	2677.7
37.5°	2614.5	2605.6	2614.5	2614.5	2614.5	2620.6	2608.6	2599.5	2581.5	2608.6	2587.5
40°	2503.4	2491.4	2503.4	2500.3	2503.4	2509.4	2503.4	2497.3	2479.3	2500.3	2482.3
42.5°	2377.2	2374.2	2377.2	2380.1	2380.1	2392.2	2401.2	2389.2	2383.1	2368.1	2380.1
45°	2241.9	2235.9	2241.9	2247.9	2250.9	2256.9	2284.0	2284.0	2275.0	2250.9	2268.9
47.5°	2097.6	2082.6	2097.6	2115.7	2115.7	2124.7	2151.7	2172.8	2157.8	2127.7	2136.7
50°	1944.4	1947.4	1944.4	1956.4	1956.4	1989.5	2010.5	2031.6	2046.6	2010.5	1968.4
52.5°	1794.1	1791.1	1794.1	1803.2	1815.2	1830.2	1866.2	1887.3	1911.3	1890.3	1824.2
55°	1643.9	1649.9	1643.9	1646.9	1652.9	1661.9	1716.0	1737.0	1782.1	1755.0	1686.0
57.5°	1493.6	1484.6	1493.6	1499.7	1502.6	1511.6	1556.8	1595.8	1622.8	1625.8	1541.7
60°	1319.3	1307.3	1319.3	1346.4	1352.3	1358.4	1400.5	1436.5	1460.6	1469.6	1382.4
62.5°	1166.0	1145.0	1166.0	1184.1	1196.0	1211.1	1241.2	1295.2	1316.3	1319.3	1196.0
65°	1003.7	994.7	1003.7	1039.8	1042.8	1060.8	1093.9	1133.0	1178.0	1172.1	994.7
67.5°	856.5	856.5	856.5	880.5	898.6	907.6	949.6	967.7	1024.8	1030.8	829.5
70°	721.2	718.2	721.2	739.3	751.3	772.4	811.5	832.4	877.5	892.5	673.2
72.5°	592.0	589.0	592.0	607.0	619.1	637.1	670.2	694.2	733.3	751.3	522.9
75°	477.8	471.8	477.8	489.8	486.9	510.9	538.0	562.0	598.1	610.1	387.7
77.5°	366.7	366.7	366.7	378.6	378.6	402.7	414.7	444.8	465.8	483.9	285.5
80°	273.5	270.5	273.5	276.5	276.5	288.5	309.6	330.6	348.6	348.6	195.4
82.5°	192.3	186.3	192.3	192.3	192.3	198.4	210.4	216.4	228.4	237.5	123.3
85°	120.2	120.2	120.2	123.3	120.2	126.2	129.2	135.2	135.2	129.2	75.1
87.5°	78.1	75.1	78.1	75.1	75.1	72.1	72.1	72.1	69.1	66.2	42.1
90°	34.9	34.9	34.9	34.9	34.9	46.5	62.1	69.9	60.1	40.5	25.8
92.5°	139.9	112.2	139.9	167.7	174.7	247.7	344.9	393.6	345.5	249.5	177.5
95°	487.9	403.7	487.9	572.0	593.1	778.9	1026.5	1150.3	971.6	614.0	345.8
97.5°	1169.0	1008.8	1169.0	1329.2	1369.2	1486.6	1643.2	1721.4	1423.3	827.0	379.8
100°	1684.2	1493.3	1684.2	1875.1	1922.8	1914.2	1902.7	1897.0	1566.2	904.5	408.3
102.5°	2191.1	2027.6	2191.1	2354.5	2395.4	2245.8	2046.4	1946.7	1611.2	940.1	436.8
105°	2837.2	2749.4	2837.2	2925.2	2947.1	2611.8	2164.7	1941.2	1616.2	966.4	479.1
107.5°	3260.6	3281.8	3260.6	3239.3	3234.0	2766.3	2142.7	1830.8	1544.3	971.3	541.6
110°	3422.0	3513.5	3422.0	3330.4	3307.5	2784.7	2087.5	1738.9	1480.6	964.0	576.6





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3436.4	3577.0	3436.4	3295.8	3260.6	2725.4	2011.9	1655.1	1424.9	964.3	618.8
115°	3345.3	3540.2	3345.3	3150.4	3101.6	2586.0	1898.6	1555.0	1361.0	973.2	682.3
117.5°	3152.0	3368.3	3152.0	2935.9	2881.8	2416.5	1796.2	1486.0	1321.1	991.3	743.9
120°	2996.4	3206.4	2996.4	2786.3	2733.8	2308.6	1741.8	1458.4	1307.6	1005.9	779.8
122.5°	2844.8	3052.0	2844.8	2637.5	2585.8	2203.0	1692.4	1437.2	1300.5	1027.1	822.0
125°	2628.5	2819.3	2628.5	2437.6	2389.9	2064.7	1631.1	1414.2	1294.7	1055.6	876.3
127.5°	2433.9	2594.9	2433.9	2272.8	2232.6	1953.4	1581.1	1395.0	1291.3	1084.2	928.8
130°	2319.3	2468.0	2319.3	2170.5	2133.3	1884.8	1553.3	1387.6	1293.4	1104.9	963.7
132.5°	2215.3	2348.5	2215.3	2082.0	2048.7	1826.2	1529.5	1381.1	1294.7	1121.8	992.2
135°	2072.8	2187.6	2072.8	1957.9	1929.2	1742.8	1494.3	1370.1	1293.5	1140.2	1025.3
137.5°	1958.4	2052.4	1958.4	1864.4	1840.9	1683.4	1473.3	1368.2	1301.5	1167.8	1067.6
140°	1880.0	1967.8	1880.0	1792.1	1770.1	1634.0	1452.6	1361.8	1302.8	1184.7	1096.1
142.5°	1814.9	1890.6	1814.9	1739.3	1720.4	1600.9	1441.5	1361.8	1307.5	1198.7	1117.2
145°	1717.5	1774.7	1717.5	1660.3	1646.0	1548.2	1417.8	1352.6	1307.5	1217.2	1149.4
147.5°	1642.7	1690.1	1642.7	1595.3	1583.5	1506.5	1403.9	1352.6	1316.5	1244.2	1189.9
150°	1595.6	1634.0	1595.6	1557.2	1547.6	1482.6	1395.9	1352.6	1321.2	1258.2	1211.1
152.5°	1555.3	1584.4	1555.3	1526.4	1519.1	1463.6	1389.6	1352.6	1324.2	1267.4	1224.8
155°	1509.1	1528.2	1509.1	1489.9	1485.1	1441.0	1382.1	1352.6	1330.9	1287.7	1255.2
157.5°	1472.5	1486.0	1472.5	1459.0	1455.6	1421.2	1375.5	1352.6	1337.7	1307.8	1285.5
160°	1450.5	1458.4	1450.5	1442.8	1440.9	1411.5	1372.2	1352.6	1340.8	1317.1	1299.3
162.5°	1436.3	1443.7	1436.3	1429.0	1427.1	1402.2	1369.1	1352.6	1344.0	1326.8	1314.0
165°	1415.6	1423.5	1415.6	1407.9	1406.0	1388.2	1364.5	1352.6	1348.7	1341.0	1335.2
167.5°	1400.8	1404.1	1400.8	1397.5	1396.7	1385.1	1369.6	1361.8	1358.6	1352.0	1347.1
170°	1396.7	1396.7	1396.7	1396.7	1396.7	1385.1	1369.6	1361.8	1361.7	1361.2	1360.9
172.5°	1385.8	1383.0	1385.8	1388.7	1389.5	1380.2	1368.0	1361.8	1361.8	1361.8	1361.8
175°	1379.3	1379.3	1379.3	1379.3	1379.3	1373.5	1365.7	1361.8	1363.7	1367.3	1370.1
177.5°	1373.4	1370.1	1373.4	1376.7	1377.5	1372.8	1366.7	1363.7	1365.1	1368.0	1370.1
180°	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6
2.5°	3221.6	3203.5	3203.5	3173.5	3161.5	3152.5	3137.5	3092.4	3080.4	3068.3	3086.4
5°	3248.7	3215.6	3191.6	3137.5	3092.4	3074.3	3017.2	2909.1	2837.0	2782.8	2752.8
7.5°	3254.7	3212.6	3167.5	3083.4	2975.2	2927.1	2752.8	2554.4	2500.3	2452.3	2422.2
10°	3248.7	3200.6	3137.5	3011.2	2755.8	2671.6	2497.3	2368.1	2335.1	2326.0	2335.1
12.5°	3227.6	3182.5	3095.4	2885.0	2527.4	2470.3	2368.1	2293.0	2287.0	2302.1	2383.1
15°	3191.6	3149.5	3047.3	2716.7	2401.2	2359.1	2287.0	2260.0	2293.0	2398.2	2641.6
17.5°	3155.5	3107.4	2981.2	2551.5	2305.0	2275.0	2223.9	2278.0	2464.3	2605.6	2686.6
20°	3107.4	3050.3	2906.1	2431.3	2235.9	2208.8	2184.8	2428.2	2569.5	2620.6	2665.7
22.5°	3050.3	2990.3	2803.9	2347.1	2163.8	2142.7	2157.8	2512.4	2569.5	2605.6	2644.6
25°	2975.2	2924.1	2683.7	2281.0	2106.7	2082.6	2139.7	2503.4	2536.4	2545.5	2623.6
27.5°	2906.1	2839.9	2557.4	2220.9	2037.5	2028.5	2154.7	2464.3	2488.4	2497.3	2581.5
30°	2821.9	2722.8	2416.2	2157.8	1965.4	1962.4	2157.8	2416.2	2410.2	2434.3	2518.4
32.5°	2734.8	2548.5	2256.9	2079.6	1896.3	1893.3	2136.7	2344.1	2338.1	2371.1	2434.3
35°	2653.6	2413.2	2040.5	1989.5	1809.1	1812.1	2085.6	2260.0	2263.0	2293.0	2332.1
37.5°	2569.5	2296.0	1803.2	1890.3	1725.0	1725.0	2016.5	2181.8	2175.8	2184.8	2238.9
40°	2470.3	2112.6	1592.8	1761.1	1646.9	1637.8	1932.4	2097.6	2076.6	2073.7	2148.8
42.5°	2365.1	1911.3	1436.5	1589.8	1556.8	1544.7	1830.2	1995.5	1956.4	1965.4	2061.6
45°	2250.9	1857.3	1316.3	1343.4	1463.5	1454.5	1719.0	1878.3	1851.2	1875.3	1974.5
47.5°	2136.7	1749.0	1277.2	1115.0	1364.4	1361.4	1595.8	1764.1	1749.0	1773.1	1878.3
50°	1980.4	1628.9	1274.2	955.7	1253.1	1265.2	1448.5	1652.9	1652.9	1673.9	1785.1
52.5°	1779.1	1481.5	1157.0	865.5	1123.9	1160.0	1319.3	1556.8	1562.7	1583.7	1682.9
55°	1595.8	1328.4	1072.9	796.4	970.7	1048.8	1193.1	1457.6	1469.6	1490.6	1580.7
57.5°	1427.5	1105.9	1054.9	715.3	829.5	904.6	1081.9	1361.4	1367.3	1385.5	1472.6
60°	1247.2	799.4	967.7	628.1	706.2	763.3	979.7	1247.2	1268.2	1280.2	1355.4
62.5°	1042.8	580.0	877.5	568.0	646.1	658.2	895.5	1138.9	1166.0	1175.1	1220.1
65°	742.3	486.9	745.3	516.9	583.0	586.0	805.4	1027.8	1051.8	1066.8	1099.9
67.5°	501.9	396.7	568.0	468.8	534.9	538.0	718.2	898.6	931.6	943.7	964.7
70°	348.6	264.4	420.7	417.7	480.9	486.9	625.1	781.4	811.5	820.4	832.4
72.5°	255.5	213.4	348.6	375.6	423.8	429.8	528.9	649.1	679.1	688.2	694.2
75°	195.4	225.4	282.5	327.6	360.6	363.6	432.7	528.9	549.9	556.0	559.0
77.5°	156.3	210.4	207.3	264.4	294.5	288.5	339.6	408.7	426.8	426.8	426.8
80°	117.2	165.3	156.3	189.3	216.4	210.4	243.4	291.5	297.5	303.5	300.5
82.5°	87.1	105.1	105.1	120.2	144.2	138.3	162.3	189.3	189.3	189.3	195.4
85°	54.1	60.1	48.0	63.1	81.2	78.1	90.1	102.2	105.1	105.1	99.2
87.5°	33.0	27.1	15.0	24.1	36.1	36.1	42.1	45.1	42.1	42.1	42.1
90°	23.9	16.6	9.2	16.6	23.9	25.8	40.5	60.1	69.9	62.1	46.5
92.5°	161.9	99.3	36.8	99.3	161.9	177.5	249.5	345.5	393.6	344.9	247.7
95°	317.2	202.7	88.3	202.7	317.2	345.8	614.0	971.6	1150.3	1026.5	778.9
97.5°	354.6	253.6	152.6	253.6	354.6	379.8	827.0	1423.3	1721.4	1643.2	1486.6
100°	385.4	293.8	202.3	293.8	385.4	408.3	904.5	1566.2	1897.0	1902.7	1914.2
102.5°	415.4	330.0	244.6	330.0	415.4	436.8	940.1	1611.2	1946.7	2046.4	2245.8
105°	461.0	388.7	316.3	388.7	461.0	479.1	966.4	1616.2	1941.2	2164.7	2611.8
107.5°	524.7	457.3	389.9	457.3	524.7	541.6	971.3	1544.3	1830.8	2142.7	2766.3
110°	561.4	500.5	439.6	500.5	561.4	576.6	964.0	1480.6	1738.9	2087.5	2784.7



TEST NUMBER: P935776

CATALOG NUMBER: SQ4-FA-125U-125D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	604.4	546.3	488.3	546.3	604.4	618.8	964.3	1424.9	1655.1	2011.9	2725.4
115°	668.8	615.4	561.8	615.4	668.8	682.3	973.2	1361.0	1555.0	1898.6	2586.0
117.5°	731.7	683.1	634.5	683.1	731.7	743.9	991.3	1321.1	1486.0	1796.2	2416.5
120°	768.3	722.6	676.7	722.6	768.3	779.8	1005.9	1307.6	1458.4	1741.8	2308.6
122.5°	810.5	764.3	718.1	764.3	810.5	822.0	1027.1	1300.5	1437.2	1692.4	2203.0
125°	865.8	823.7	781.6	823.7	865.8	876.3	1055.6	1294.7	1414.2	1631.1	2064.7
127.5°	918.1	875.7	833.1	875.7	918.1	928.8	1084.2	1291.3	1395.0	1581.1	1953.4
130°	952.2	906.5	860.6	906.5	952.2	963.7	1104.9	1293.4	1387.6	1553.3	1884.8
132.5°	980.7	935.0	889.2	935.0	980.7	992.2	1121.8	1294.7	1381.1	1529.5	1826.2
135°	1014.9	973.2	931.5	973.2	1014.9	1025.3	1140.2	1293.5	1370.1	1494.3	1742.8
137.5°	1057.3	1016.0	974.7	1016.0	1057.3	1067.6	1167.8	1301.5	1368.2	1473.3	1683.4
140°	1086.6	1048.6	1010.5	1048.6	1086.6	1096.1	1184.7	1302.8	1361.8	1452.6	1634.0
142.5°	1108.4	1073.3	1038.2	1073.3	1108.4	1117.2	1198.7	1307.5	1361.8	1441.5	1600.9
145°	1141.8	1111.1	1080.4	1111.1	1141.8	1149.4	1217.2	1307.5	1352.6	1417.8	1548.2
147.5°	1182.5	1152.6	1122.8	1152.6	1182.5	1189.9	1244.2	1316.5	1352.6	1403.9	1506.5
150°	1204.3	1177.3	1150.3	1177.3	1204.3	1211.1	1258.2	1321.2	1352.6	1395.9	1482.6
152.5°	1219.7	1199.2	1178.8	1199.2	1219.7	1224.8	1267.4	1324.2	1352.6	1389.6	1463.6
155°	1251.4	1236.3	1221.2	1236.3	1251.4	1255.2	1287.7	1330.9	1352.6	1382.1	1441.0
157.5°	1281.8	1267.1	1252.4	1267.1	1281.8	1285.5	1307.8	1337.7	1352.6	1375.5	1421.2
160°	1296.5	1285.0	1273.6	1285.0	1296.5	1299.3	1317.1	1340.8	1352.6	1372.2	1411.5
162.5°	1311.8	1303.2	1294.7	1303.2	1311.8	1314.0	1326.8	1344.0	1352.6	1369.1	1402.2
165°	1333.2	1325.5	1317.7	1325.5	1333.2	1335.2	1341.0	1348.7	1352.6	1364.5	1388.2
167.5°	1346.2	1342.5	1338.8	1342.5	1346.2	1347.1	1352.0	1358.6	1361.8	1369.6	1385.1
170°	1360.1	1356.3	1352.6	1356.3	1360.1	1360.9	1361.2	1361.7	1361.8	1369.6	1385.1
172.5°	1361.7	1360.8	1360.0	1360.8	1361.7	1361.8	1361.8	1361.8	1361.8	1368.0	1380.2
175°	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1367.3	1363.7	1361.8	1365.7	1373.5
177.5°	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1368.0	1365.1	1363.7	1366.7	1372.8
180°	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1



TEST NUMBER: P935776  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6
2.5°	3065.4	3056.3	3068.3	3035.3	3068.3	3056.3	3065.4	3086.4	3068.3	3080.4	3092.4
5°	2689.7	2674.7	2626.6	2587.5	2626.6	2674.7	2689.7	2752.8	2782.8	2837.0	2909.1
7.5°	2404.2	2392.2	2380.1	2356.1	2380.1	2392.2	2404.2	2422.2	2452.3	2500.3	2554.4
10°	2341.1	2344.1	2362.1	2359.1	2362.1	2344.1	2341.1	2335.1	2326.0	2335.1	2368.1
12.5°	2503.4	2530.4	2629.5	2623.6	2629.5	2530.4	2503.4	2383.1	2302.1	2287.0	2293.0
15°	2689.7	2698.7	2719.8	2722.8	2719.8	2698.7	2689.7	2641.6	2398.2	2293.0	2260.0
17.5°	2707.7	2710.7	2725.7	2725.7	2725.7	2710.7	2707.7	2686.6	2605.6	2464.3	2278.0
20°	2692.7	2698.7	2728.7	2734.8	2728.7	2698.7	2692.7	2665.7	2620.6	2569.5	2428.2
22.5°	2686.6	2698.7	2722.8	2719.8	2722.8	2698.7	2686.6	2644.6	2605.6	2569.5	2512.4
25°	2656.6	2656.6	2659.6	2662.7	2659.6	2656.6	2656.6	2623.6	2545.5	2536.4	2503.4
27.5°	2593.5	2599.5	2617.6	2614.5	2617.6	2599.5	2593.5	2581.5	2497.3	2488.4	2464.3
30°	2536.4	2530.4	2515.3	2503.4	2515.3	2530.4	2536.4	2518.4	2434.3	2410.2	2416.2
32.5°	2440.2	2425.2	2410.2	2401.2	2410.2	2425.2	2440.2	2434.3	2371.1	2338.1	2344.1
35°	2326.0	2329.0	2326.0	2317.1	2326.0	2329.0	2326.0	2332.1	2293.0	2263.0	2260.0
37.5°	2245.0	2250.9	2247.9	2235.9	2247.9	2250.9	2245.0	2238.9	2184.8	2175.8	2181.8
40°	2160.8	2163.8	2160.8	2151.7	2160.8	2163.8	2160.8	2148.8	2073.7	2076.6	2097.6
42.5°	2079.6	2076.6	2067.6	2061.6	2067.6	2076.6	2079.6	2061.6	1965.4	1956.4	1995.5
45°	1986.5	1989.5	1971.4	1962.4	1971.4	1989.5	1986.5	1974.5	1875.3	1851.2	1878.3
47.5°	1893.3	1893.3	1878.3	1869.2	1878.3	1893.3	1893.3	1878.3	1773.1	1749.0	1764.1
50°	1794.1	1791.1	1770.1	1767.1	1770.1	1791.1	1794.1	1785.1	1673.9	1652.9	1652.9
52.5°	1679.9	1679.9	1682.9	1689.0	1682.9	1679.9	1679.9	1682.9	1583.7	1562.7	1556.8
55°	1580.7	1583.7	1604.8	1610.8	1604.8	1583.7	1580.7	1580.7	1490.6	1469.6	1457.6
57.5°	1478.6	1478.6	1493.6	1493.6	1493.6	1478.6	1478.6	1472.6	1385.5	1367.3	1361.4
60°	1361.4	1367.3	1379.4	1376.4	1379.4	1367.3	1361.4	1355.4	1280.2	1268.2	1247.2
62.5°	1238.1	1244.2	1247.2	1241.2	1247.2	1244.2	1238.1	1220.1	1175.1	1166.0	1138.9
65°	1108.9	1115.0	1118.0	1112.0	1118.0	1115.0	1108.9	1099.9	1066.8	1051.8	1027.8
67.5°	976.7	973.7	970.7	982.7	970.7	973.7	976.7	964.7	943.7	931.6	898.6
70°	841.5	841.5	838.4	844.5	838.4	841.5	841.5	832.4	820.4	811.5	781.4
72.5°	697.3	694.2	706.2	697.3	706.2	694.2	697.3	694.2	688.2	679.1	649.1
75°	556.0	562.0	556.0	564.9	556.0	562.0	556.0	559.0	556.0	549.9	528.9
77.5°	423.8	429.8	423.8	423.8	423.8	429.8	423.8	426.8	426.8	426.8	408.7
80°	300.5	297.5	297.5	294.5	297.5	297.5	300.5	300.5	303.5	297.5	291.5
82.5°	192.3	189.3	189.3	195.4	189.3	189.3	192.3	195.4	189.3	189.3	189.3
85°	105.1	108.2	102.2	102.2	102.2	108.2	105.1	99.2	105.1	105.1	102.2
87.5°	39.1	36.1	36.1	36.1	36.1	36.1	39.1	42.1	42.1	42.1	45.1
90°	34.9	34.9	34.9	34.9	34.9	34.9	34.9	46.5	62.1	69.9	60.1
92.5°	174.7	167.7	139.9	112.2	139.9	167.7	174.7	247.7	344.9	393.6	345.5
95°	593.1	572.0	487.9	403.7	487.9	572.0	593.1	778.9	1026.5	1150.3	971.6
97.5°	1369.2	1329.2	1169.0	1008.8	1169.0	1329.2	1369.2	1486.6	1643.2	1721.4	1423.3
100°	1922.8	1875.1	1684.2	1493.3	1684.2	1875.1	1922.8	1914.2	1902.7	1897.0	1566.2
102.5°	2395.4	2354.5	2191.1	2027.6	2191.1	2354.5	2395.4	2245.8	2046.4	1946.7	1611.2
105°	2947.1	2925.2	2837.2	2749.4	2837.2	2925.2	2947.1	2611.8	2164.7	1941.2	1616.2
107.5°	3234.0	3239.3	3260.6	3281.8	3260.6	3239.3	3234.0	2766.3	2142.7	1830.8	1544.3
110°	3307.5	3330.4	3422.0	3513.5	3422.0	3330.4	3307.5	2784.7	2087.5	1738.9	1480.6



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3260.6	3295.8	3436.4	3577.0	3436.4	3295.8	3260.6	2725.4	2011.9	1655.1	1424.9
115°	3101.6	3150.4	3345.3	3540.2	3345.3	3150.4	3101.6	2586.0	1898.6	1555.0	1361.0
117.5°	2881.8	2935.9	3152.0	3368.3	3152.0	2935.9	2881.8	2416.5	1796.2	1486.0	1321.1
120°	2733.8	2786.3	2996.4	3206.4	2996.4	2786.3	2733.8	2308.6	1741.8	1458.4	1307.6
122.5°	2585.8	2637.5	2844.8	3052.0	2844.8	2637.5	2585.8	2203.0	1692.4	1437.2	1300.5
125°	2389.9	2437.6	2628.5	2819.3	2628.5	2437.6	2389.9	2064.7	1631.1	1414.2	1294.7
127.5°	2232.6	2272.8	2433.9	2594.9	2433.9	2272.8	2232.6	1953.4	1581.1	1395.0	1291.3
130°	2133.3	2170.5	2319.3	2468.0	2319.3	2170.5	2133.3	1884.8	1553.3	1387.6	1293.4
132.5°	2048.7	2082.0	2215.3	2348.5	2215.3	2082.0	2048.7	1826.2	1529.5	1381.1	1294.7
135°	1929.2	1957.9	2072.8	2187.6	2072.8	1957.9	1929.2	1742.8	1494.3	1370.1	1293.5
137.5°	1840.9	1864.4	1958.4	2052.4	1958.4	1864.4	1840.9	1683.4	1473.3	1368.2	1301.5
140°	1770.1	1792.1	1880.0	1967.8	1880.0	1792.1	1770.1	1634.0	1452.6	1361.8	1302.8
142.5°	1720.4	1739.3	1814.9	1890.6	1814.9	1739.3	1720.4	1600.9	1441.5	1361.8	1307.5
145°	1646.0	1660.3	1717.5	1774.7	1717.5	1660.3	1646.0	1548.2	1417.8	1352.6	1307.5
147.5°	1583.5	1595.3	1642.7	1690.1	1642.7	1595.3	1583.5	1506.5	1403.9	1352.6	1316.5
150°	1547.6	1557.2	1595.6	1634.0	1595.6	1557.2	1547.6	1482.6	1395.9	1352.6	1321.2
152.5°	1519.1	1526.4	1555.3	1584.4	1555.3	1526.4	1519.1	1463.6	1389.6	1352.6	1324.2
155°	1485.1	1489.9	1509.1	1528.2	1509.1	1489.9	1485.1	1441.0	1382.1	1352.6	1330.9
157.5°	1455.6	1459.0	1472.5	1486.0	1472.5	1459.0	1455.6	1421.2	1375.5	1352.6	1337.7
160°	1440.9	1442.8	1450.5	1458.4	1450.5	1442.8	1440.9	1411.5	1372.2	1352.6	1340.8
162.5°	1427.1	1429.0	1436.3	1443.7	1436.3	1429.0	1427.1	1402.2	1369.1	1352.6	1344.0
165°	1406.0	1407.9	1415.6	1423.5	1415.6	1407.9	1406.0	1388.2	1364.5	1352.6	1348.7
167.5°	1396.7	1397.5	1400.8	1404.1	1400.8	1397.5	1396.7	1385.1	1369.6	1361.8	1358.6
170°	1396.7	1396.7	1396.7	1396.7	1396.7	1396.7	1396.7	1385.1	1369.6	1361.8	1361.7
172.5°	1389.5	1388.7	1385.8	1383.0	1385.8	1388.7	1389.5	1380.2	1368.0	1361.8	1361.8
175°	1379.3	1379.3	1379.3	1379.3	1379.3	1379.3	1379.3	1373.5	1365.7	1361.8	1363.7
177.5°	1377.5	1376.7	1373.4	1370.1	1373.4	1376.7	1377.5	1372.8	1366.7	1363.7	1365.1
180°	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3176.6	3176.6	3176.6	3176.6	3176.6
2.5°	3137.5	3152.5	3161.5	3173.5	3203.5
5°	3017.2	3074.3	3092.4	3137.5	3191.6
7.5°	2752.8	2927.1	2975.2	3083.4	3167.5
10°	2497.3	2671.6	2755.8	3011.2	3137.5
12.5°	2368.1	2470.3	2527.4	2885.0	3095.4
15°	2287.0	2359.1	2401.2	2716.7	3047.3
17.5°	2223.9	2275.0	2305.0	2551.5	2981.2
20°	2184.8	2208.8	2235.9	2431.3	2906.1
22.5°	2157.8	2142.7	2163.8	2347.1	2803.9
25°	2139.7	2082.6	2106.7	2281.0	2683.7
27.5°	2154.7	2028.5	2037.5	2220.9	2557.4
30°	2157.8	1962.4	1965.4	2157.8	2416.2
32.5°	2136.7	1893.3	1896.3	2079.6	2256.9
35°	2085.6	1812.1	1809.1	1989.5	2040.5
37.5°	2016.5	1725.0	1725.0	1890.3	1803.2
40°	1932.4	1637.8	1646.9	1761.1	1592.8
42.5°	1830.2	1544.7	1556.8	1589.8	1436.5
45°	1719.0	1454.5	1463.5	1343.4	1316.3
47.5°	1595.8	1361.4	1364.4	1115.0	1277.2
50°	1448.5	1265.2	1253.1	955.7	1274.2
52.5°	1319.3	1160.0	1123.9	865.5	1157.0
55°	1193.1	1048.8	970.7	796.4	1072.9
57.5°	1081.9	904.6	829.5	715.3	1054.9
60°	979.7	763.3	706.2	628.1	967.7
62.5°	895.5	658.2	646.1	568.0	877.5
65°	805.4	586.0	583.0	516.9	745.3
67.5°	718.2	538.0	534.9	468.8	568.0
70°	625.1	486.9	480.9	417.7	420.7
72.5°	528.9	429.8	423.8	375.6	348.6
75°	432.7	363.6	360.6	327.6	282.5
77.5°	339.6	288.5	294.5	264.4	207.3
80°	243.4	210.4	216.4	189.3	156.3
82.5°	162.3	138.3	144.2	120.2	105.1
85°	90.1	78.1	81.2	63.1	48.0
87.5°	42.1	36.1	36.1	24.1	15.0
90°	40.5	25.8	23.9	16.6	9.2
92.5°	249.5	177.5	161.9	99.3	36.8
95°	614.0	345.8	317.2	202.7	88.3
97.5°	827.0	379.8	354.6	253.6	152.6
100°	904.5	408.3	385.4	293.8	202.3
102.5°	940.1	436.8	415.4	330.0	244.6
105°	966.4	479.1	461.0	388.7	316.3
107.5°	971.3	541.6	524.7	457.3	389.9
110°	964.0	576.6	561.4	500.5	439.6



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	964.3	618.8	604.4	546.3	488.3
115°	973.2	682.3	668.8	615.4	561.8
117.5°	991.3	743.9	731.7	683.1	634.5
120°	1005.9	779.8	768.3	722.6	676.7
122.5°	1027.1	822.0	810.5	764.3	718.1
125°	1055.6	876.3	865.8	823.7	781.6
127.5°	1084.2	928.8	918.1	875.7	833.1
130°	1104.9	963.7	952.2	906.5	860.6
132.5°	1121.8	992.2	980.7	935.0	889.2
135°	1140.2	1025.3	1014.9	973.2	931.5
137.5°	1167.8	1067.6	1057.3	1016.0	974.7
140°	1184.7	1096.1	1086.6	1048.6	1010.5
142.5°	1198.7	1117.2	1108.4	1073.3	1038.2
145°	1217.2	1149.4	1141.8	1111.1	1080.4
147.5°	1244.2	1189.9	1182.5	1152.6	1122.8
150°	1258.2	1211.1	1204.3	1177.3	1150.3
152.5°	1267.4	1224.8	1219.7	1199.2	1178.8
155°	1287.7	1255.2	1251.4	1236.3	1221.2
157.5°	1307.8	1285.5	1281.8	1267.1	1252.4
160°	1317.1	1299.3	1296.5	1285.0	1273.6
162.5°	1326.8	1314.0	1311.8	1303.2	1294.7
165°	1341.0	1335.2	1333.2	1325.5	1317.7
167.5°	1352.0	1347.1	1346.2	1342.5	1338.8
170°	1361.2	1360.9	1360.1	1356.3	1352.6
172.5°	1361.8	1361.8	1361.7	1360.8	1360.0
175°	1367.3	1370.1	1370.1	1370.1	1370.1
177.5°	1368.0	1370.1	1370.1	1370.1	1370.1
180°	1370.1	1370.1	1370.1	1370.1	1370.1



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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	13.98	14.82	14.95	15.81	17.11	16.82	17.66	17.79	18.65	19.95
	3H	14.46	15.21	15.44	16.21	17.53	18.16	18.92	19.15	19.92	21.24
	4H	14.65	15.36	15.64	16.36	17.69	18.61	19.33	19.61	20.32	21.65
	6H	14.76	15.42	15.77	16.43	17.77	18.89	19.55	19.90	20.56	21.90
	8H	14.76	15.39	15.78	16.41	17.75	18.97	19.60	19.98	20.62	21.96
	12H	14.73	15.33	15.75	16.35	17.71	19.01	19.61	20.03	20.62	21.98
4H	2H	15.01	15.73	16.02	16.73	18.06	17.22	17.94	18.23	18.94	20.27
	3H	16.04	16.63	17.05	17.66	19.00	18.73	19.33	19.74	20.36	21.70
	4H	16.31	16.86	17.33	17.88	19.24	19.26	19.81	20.28	20.83	22.19
	6H	16.44	16.91	17.47	17.95	19.31	19.63	20.10	20.66	21.14	22.50
	8H	16.44	16.88	17.47	17.92	19.29	19.73	20.17	20.77	21.21	22.58
	12H	16.41	16.80	17.46	17.86	19.24	19.79	20.19	20.84	21.24	22.62
8H	4H	16.77	17.20	17.80	18.24	19.62	19.38	19.82	20.41	20.86	22.23
	6H	17.03	17.39	18.08	18.47	19.84	19.82	20.18	20.88	21.26	22.64
	8H	17.07	17.39	18.13	18.45	19.84	19.97	20.29	21.04	21.36	22.75
	12H	17.05	17.33	18.12	18.39	19.83	20.07	20.35	21.14	21.41	22.85
12H	4H	16.77	17.17	17.82	18.22	19.60	19.35	19.74	20.40	20.79	22.18
	6H	17.09	17.41	18.15	18.47	19.86	19.82	20.14	20.88	21.20	22.59
	8H	17.15	17.43	18.22	18.49	19.93	19.98	20.26	21.05	21.32	22.75