

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: P934749

Luminaire Tested: SQ4-FA-075U-075D-930-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

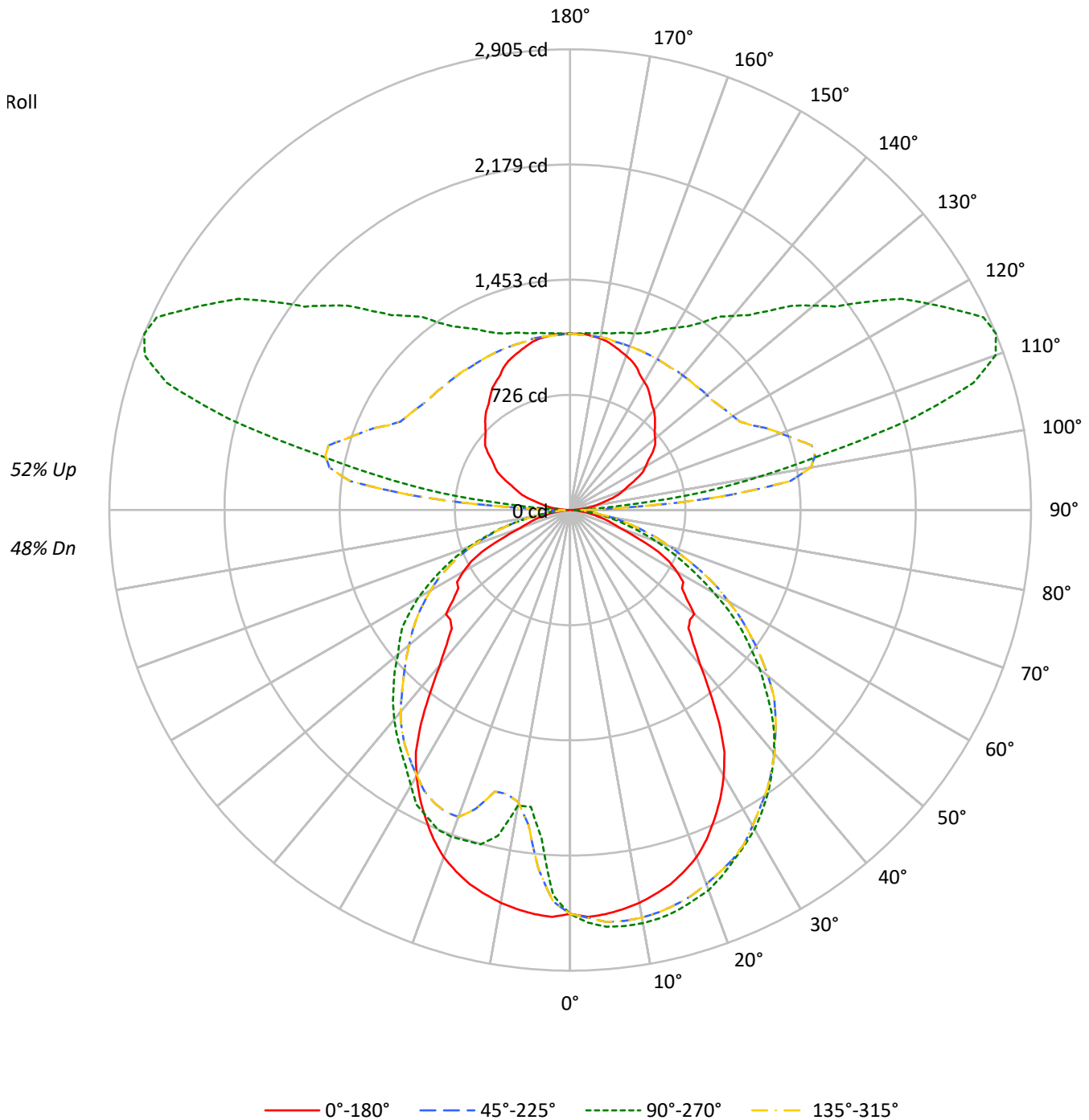
Test Method: LM-79-2019  
Report Number: P934749  
REPORT IS A COMBINATION OF REPORTS P933709 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-075D-930-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13819.5 lumens  
Efficiency: N/A  
Efficacy: 108.6 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): 127.2  
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





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

RF	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	89	86	82	79	72	70	68	60	58	56	48	47	46	40	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	29	29	29	29
4	74	63	55	49	68	58	52	46	49	44	40	41	37	34	33	31	28	25	25	25	25
5	68	56	48	42	62	52	45	40	44	39	34	37	33	29	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	30	26	30	26	23	25	22	19	17	17	17	17
8	54	41	33	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	15	13	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12	12

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

	0°	90°	180°	270°
0°	7876	7876	7876	7876
5°	7938	7951	7938	6251
10°	7888	7832	7888	5599
15°	7805	7662	7805	6398
20°	7645	7461	7645	6411
25°	7314	7168	7314	6276
30°	6884	6925	6884	5977
35°	6140	6617	6140	5649
40°	5120	6254	5120	5401
45°	4577	5830	4577	5117
50°	4867	5324	4867	4831
55°	4583	4778	4583	4665
60°	4730	4058	4730	4273
65°	4296	3355	4296	3750
70°	2982	2674	2982	3143
75°	2624	1976	2624	2367
80°	2131	1307	2131	1423
85°	1248	692	1248	588

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 7011 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.9	1.7
10°-20°	652.6	4.7
20°-30°	1008.8	7.3
30°-40°	1204.3	8.7
40°-50°	1211.4	8.8
50°-60°	1054.0	7.6
60°-70°	747.3	5.4
70°-80°	395.4	2.9
80°-90°	102.7	0.7
90°-100°	542.4	3.9
100°-110°	1426.0	10.3
110°-120°	1478.5	10.7
120°-130°	1186.0	8.6
130°-140°	930.6	6.7
140°-150°	714.3	5.2
150°-160°	514.4	3.7
160°-170°	314.7	2.3
170°-180°	106.3	0.8
0°-30°	1891.3	13.7
0°-40°	3095.6	22.4
0°-60°	5361.0	38.8
0°-90°	6606.4	47.8
90°-120°	3446.9	24.9
90°-150°	6277.7	45.4
90°-180°	7213.0	52.2
0°-180°	13819.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2546	2546	2546	2546	2546	
5°	2558	2638	2558	2074	2558	243
15°	2443	2614	2443	2183	2443	687
25°	2151	2438	2151	2134	2151	988
35°	1636	2175	1636	1857	1636	1012
45°	1055	1792	1055	1573	1055	845
55°	860	1322	860	1291	860	790
65°	597	797	597	891	597	571
75°	226	378	226	453	226	238
85°	38	96	38	82	38	52
90°	8	28	8	28	8	8
95°	72	328	72	328	72	80
105°	257	2233	257	2233	257	272
115°	456	2875	456	2875	456	451
125°	635	2290	635	2290	635	564
135°	756	1777	756	1777	756	585
145°	877	1441	877	1441	877	550
155°	992	1241	992	1241	992	456
165°	1070	1156	1070	1156	1070	302
175°	1113	1120	1113	1120	1113	106
180°	1113	1113	1113	1113	1113	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2.5°	2568.1	2568.1	2582.5	2587.3	2587.3	2580.1	2572.9	2580.1	2601.8	2609.0	2606.6
5°	2558.4	2577.7	2604.2	2609.0	2613.8	2611.4	2606.6	2611.4	2635.5	2640.3	2642.8
7.5°	2539.2	2575.3	2609.0	2616.3	2623.5	2616.3	2613.8	2618.7	2642.8	2647.6	2647.6
10°	2515.1	2565.7	2604.2	2609.0	2616.3	2609.0	2609.0	2618.7	2642.8	2647.6	2650.0
12.5°	2481.4	2551.2	2587.3	2592.2	2601.8	2599.4	2597.0	2606.6	2630.7	2635.5	2635.5
15°	2442.8	2524.7	2558.4	2563.3	2580.1	2575.3	2575.3	2584.9	2611.4	2618.7	2616.3
17.5°	2389.8	2491.0	2529.5	2536.8	2548.8	2546.4	2548.8	2558.4	2582.5	2587.3	2589.8
20°	2329.6	2445.2	2491.0	2498.2	2510.3	2510.3	2510.3	2522.3	2546.4	2556.0	2556.0
22.5°	2247.7	2397.0	2445.2	2450.0	2464.5	2464.5	2469.3	2486.2	2507.8	2510.3	2510.3
25°	2151.3	2344.0	2385.0	2399.4	2413.9	2421.1	2428.4	2438.0	2445.2	2442.8	2445.2
27.5°	2050.1	2276.6	2329.6	2339.2	2358.5	2365.7	2375.4	2377.8	2380.2	2387.4	2382.6
30°	1936.8	2182.6	2262.1	2271.8	2303.1	2307.9	2298.3	2303.1	2315.1	2319.9	2324.8
32.5°	1809.2	2042.8	2192.3	2214.0	2242.9	2228.4	2226.0	2233.2	2252.5	2252.5	2257.3
35°	1635.7	1934.4	2127.2	2146.5	2168.2	2151.3	2161.0	2163.4	2175.4	2182.6	2180.2
37.5°	1445.4	1840.5	2059.7	2074.1	2091.0	2069.3	2083.8	2091.0	2100.6	2095.8	2095.8
40°	1276.8	1693.5	1980.2	1989.8	2004.3	1987.4	2001.9	2006.7	2011.5	2006.7	2004.3
42.5°	1151.5	1532.1	1895.9	1907.9	1898.3	1910.3	1915.2	1924.8	1917.6	1907.9	1907.9
45°	1055.1	1488.8	1804.3	1818.8	1804.3	1823.6	1830.8	1830.8	1809.2	1804.3	1801.9
47.5°	1023.8	1402.0	1712.8	1712.8	1705.6	1729.7	1741.7	1724.8	1703.2	1695.9	1695.9
50°	1021.4	1305.7	1587.5	1577.9	1611.6	1640.5	1628.5	1611.6	1594.8	1568.3	1568.3
52.5°	927.5	1187.6	1426.1	1462.3	1515.3	1532.1	1512.9	1496.0	1467.1	1455.0	1445.4
55°	860.0	1064.8	1279.2	1351.4	1406.9	1428.5	1392.4	1375.5	1332.2	1325.0	1320.1
57.5°	845.6	886.5	1144.3	1235.8	1303.3	1300.9	1279.2	1247.9	1211.7	1204.5	1202.1
60°	775.7	640.8	999.7	1108.1	1178.0	1170.8	1151.5	1122.6	1088.9	1084.0	1079.2
62.5°	703.4	464.9	835.9	958.8	1057.6	1055.1	1038.3	994.9	970.8	958.8	949.1
65°	597.4	390.3	595.0	797.4	939.5	944.3	908.2	876.9	850.4	835.9	833.5
67.5°	455.3	318.0	402.3	664.9	826.3	821.5	775.7	761.2	727.5	720.3	705.8
70°	337.3	212.0	279.4	539.6	715.5	703.4	667.3	650.4	619.1	602.2	592.6
72.5°	279.4	171.0	204.8	419.2	602.2	587.8	556.5	537.2	510.7	496.3	486.6
75°	226.4	180.7	156.6	310.8	489.0	479.4	450.5	431.2	409.5	390.3	392.7
77.5°	166.2	168.6	125.3	228.9	387.8	373.4	356.5	332.4	322.8	303.5	303.5
80°	125.3	132.5	94.0	156.6	279.4	279.4	265.0	248.1	231.3	221.6	221.6
82.5°	84.3	84.3	69.9	98.8	190.3	183.1	173.4	168.6	159.0	154.2	154.2
85°	38.5	48.2	43.4	60.2	103.6	108.4	108.4	103.6	101.2	96.4	98.8
87.5°	12.0	21.7	26.5	33.7	53.0	55.4	57.8	57.8	57.8	60.2	60.2
90°	7.5	13.4	19.4	20.9	32.8	48.8	56.8	50.4	37.8	28.3	28.3
92.5°	29.9	80.6	131.5	144.1	202.6	280.6	319.6	280.1	201.2	141.9	136.3
95°	71.7	164.6	257.6	280.8	498.6	789.0	934.2	833.7	632.5	481.6	464.5
97.5°	124.0	206.0	288.0	308.4	671.6	1155.8	1397.9	1334.3	1207.2	1111.9	1079.4
100°	164.3	238.7	313.0	331.6	734.6	1271.9	1540.6	1545.2	1554.5	1561.5	1522.7
102.5°	198.7	268.0	337.3	354.7	763.4	1308.4	1580.9	1661.9	1823.9	1945.3	1912.2
105°	256.9	315.7	374.4	389.1	784.9	1312.6	1576.4	1758.0	2121.1	2393.4	2375.6
107.5°	316.6	371.4	426.2	439.9	788.9	1254.2	1486.8	1740.1	2246.6	2626.4	2630.7
110°	356.9	406.4	455.9	468.2	782.8	1202.4	1412.2	1695.3	2261.5	2686.1	2704.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	396.5	443.7	490.8	502.6	783.2	1157.2	1344.2	1633.9	2213.5	2648.1	2676.6
115°	456.3	499.7	543.2	554.1	790.3	1105.3	1262.8	1541.9	2100.2	2518.9	2558.4
117.5°	515.3	554.8	594.2	604.1	805.0	1072.8	1206.7	1458.6	1962.5	2340.3	2384.3
120°	549.7	586.8	623.9	633.2	817.0	1061.9	1184.3	1414.5	1874.8	2220.1	2262.8
122.5°	583.2	620.7	658.2	667.6	834.2	1056.2	1167.2	1374.4	1789.0	2099.9	2142.0
125°	634.8	669.0	703.2	711.7	857.3	1051.4	1148.5	1324.6	1676.7	1940.9	1979.6
127.5°	676.6	711.1	745.7	754.3	880.5	1048.7	1132.9	1284.1	1586.4	1813.2	1845.9
130°	699.0	736.2	773.3	782.6	897.4	1050.3	1126.8	1261.4	1530.6	1732.5	1762.7
132.5°	722.1	759.3	796.4	805.7	911.0	1051.4	1121.6	1242.1	1483.1	1663.8	1690.9
135°	756.5	790.3	824.2	832.6	926.0	1050.5	1112.7	1213.6	1415.4	1566.7	1590.0
137.5°	791.6	825.1	858.6	867.0	948.4	1056.9	1111.2	1196.5	1367.1	1495.0	1514.1
140°	820.7	851.5	882.4	890.1	962.1	1058.0	1106.0	1179.7	1327.0	1437.5	1455.4
142.5°	843.1	871.7	900.2	907.3	973.6	1061.8	1106.0	1170.7	1300.1	1397.2	1412.6
145°	877.4	902.3	927.2	933.5	988.5	1061.8	1098.5	1151.4	1257.3	1336.8	1348.4
147.5°	911.8	936.1	960.3	966.3	1010.4	1069.1	1098.5	1140.2	1223.5	1285.9	1295.6
150°	934.2	956.1	978.1	983.5	1021.8	1073.0	1098.5	1133.7	1204.0	1256.8	1264.6
152.5°	957.3	974.0	990.5	994.7	1029.3	1075.5	1098.5	1128.5	1188.6	1233.6	1239.5
155°	991.7	1004.0	1016.3	1019.3	1045.7	1080.9	1098.5	1122.4	1170.2	1206.0	1210.0
157.5°	1017.1	1029.0	1041.0	1044.0	1062.1	1086.4	1098.5	1117.1	1154.2	1182.1	1184.8
160°	1034.3	1043.6	1052.9	1055.2	1069.7	1088.9	1098.5	1114.4	1146.3	1170.2	1171.8
162.5°	1051.4	1058.4	1065.3	1067.1	1077.5	1091.5	1098.5	1111.9	1138.8	1159.0	1160.5
165°	1070.2	1076.4	1082.7	1084.3	1089.0	1095.4	1098.5	1108.1	1127.3	1141.8	1143.4
167.5°	1087.3	1090.2	1093.3	1094.0	1098.0	1103.3	1106.0	1112.2	1124.8	1134.3	1135.0
170°	1098.5	1101.5	1104.5	1105.2	1105.5	1105.8	1106.0	1112.2	1124.8	1134.3	1134.3
172.5°	1104.4	1105.1	1105.8	1106.0	1106.0	1106.0	1106.0	1111.0	1120.9	1128.4	1127.8
175°	1112.7	1112.7	1112.7	1112.7	1110.5	1107.5	1106.0	1109.1	1115.4	1120.2	1120.2
177.5°	1112.7	1112.7	1112.7	1112.7	1111.0	1108.6	1107.5	1110.0	1115.0	1118.7	1118.0
180°	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2.5°	2611.4	2604.2	2611.4	2606.6	2609.0	2601.8	2580.1	2572.9	2580.1	2587.3	2587.3
5°	2642.8	2637.9	2642.8	2642.8	2640.3	2635.5	2611.4	2606.6	2611.4	2613.8	2609.0
7.5°	2652.4	2645.2	2652.4	2647.6	2647.6	2642.8	2618.7	2613.8	2616.3	2623.5	2616.3
10°	2652.4	2645.2	2652.4	2650.0	2647.6	2642.8	2618.7	2609.0	2609.0	2616.3	2609.0
12.5°	2640.3	2635.5	2640.3	2635.5	2635.5	2630.7	2606.6	2597.0	2599.4	2601.8	2592.2
15°	2621.1	2613.8	2621.1	2616.3	2618.7	2611.4	2584.9	2575.3	2575.3	2580.1	2563.3
17.5°	2592.2	2582.5	2592.2	2589.8	2587.3	2582.5	2558.4	2548.8	2546.4	2548.8	2536.8
20°	2558.4	2551.2	2558.4	2556.0	2556.0	2546.4	2522.3	2510.3	2510.3	2510.3	2498.2
22.5°	2505.4	2498.2	2505.4	2510.3	2510.3	2507.8	2486.2	2469.3	2464.5	2464.5	2450.0
25°	2445.2	2438.0	2445.2	2445.2	2442.8	2445.2	2438.0	2428.4	2421.1	2413.9	2399.4
27.5°	2387.4	2382.6	2387.4	2382.6	2387.4	2380.2	2377.8	2375.4	2365.7	2358.5	2339.2
30°	2329.6	2324.8	2329.6	2324.8	2319.9	2315.1	2303.1	2298.3	2307.9	2303.1	2271.8
32.5°	2257.3	2252.5	2257.3	2257.3	2252.5	2252.5	2233.2	2226.0	2228.4	2242.9	2214.0
35°	2182.6	2175.4	2182.6	2180.2	2182.6	2175.4	2163.4	2161.0	2151.3	2168.2	2146.5
37.5°	2095.8	2088.6	2095.8	2095.8	2095.8	2100.6	2091.0	2083.8	2069.3	2091.0	2074.1
40°	2006.7	1997.1	2006.7	2004.3	2006.7	2011.5	2006.7	2001.9	1987.4	2004.3	1989.8
42.5°	1905.5	1903.1	1905.5	1907.9	1907.9	1917.6	1924.8	1915.2	1910.3	1898.3	1907.9
45°	1797.1	1792.3	1797.1	1801.9	1804.3	1809.2	1830.8	1830.8	1823.6	1804.3	1818.8
47.5°	1681.5	1669.4	1681.5	1695.9	1695.9	1703.2	1724.8	1741.7	1729.7	1705.6	1712.8
50°	1558.6	1561.0	1558.6	1568.3	1568.3	1594.8	1611.6	1628.5	1640.5	1611.6	1577.9
52.5°	1438.2	1435.8	1438.2	1445.4	1455.0	1467.1	1496.0	1512.9	1532.1	1515.3	1462.3
55°	1317.7	1322.5	1317.7	1320.1	1325.0	1332.2	1375.5	1392.4	1428.5	1406.9	1351.4
57.5°	1197.3	1190.0	1197.3	1202.1	1204.5	1211.7	1247.9	1279.2	1300.9	1303.3	1235.8
60°	1057.6	1047.9	1057.6	1079.2	1084.0	1088.9	1122.6	1151.5	1170.8	1178.0	1108.1
62.5°	934.7	917.8	934.7	949.1	958.8	970.8	994.9	1038.3	1055.1	1057.6	958.8
65°	804.6	797.4	804.6	833.5	835.9	850.4	876.9	908.2	944.3	939.5	797.4
67.5°	686.6	686.6	686.6	705.8	720.3	727.5	761.2	775.7	821.5	826.3	664.9
70°	578.2	575.8	578.2	592.6	602.2	619.1	650.4	667.3	703.4	715.5	539.6
72.5°	474.6	472.2	474.6	486.6	496.3	510.7	537.2	556.5	587.8	602.2	419.2
75°	383.0	378.2	383.0	392.7	390.3	409.5	431.2	450.5	479.4	489.0	310.8
77.5°	293.9	293.9	293.9	303.5	303.5	322.8	332.4	356.5	373.4	387.8	228.9
80°	219.2	216.8	219.2	221.6	221.6	231.3	248.1	265.0	279.4	279.4	156.6
82.5°	154.2	149.4	154.2	154.2	154.2	159.0	168.6	173.4	183.1	190.3	98.8
85°	96.4	96.4	96.4	98.8	96.4	101.2	103.6	108.4	108.4	103.6	60.2
87.5°	62.6	60.2	62.6	60.2	60.2	57.8	57.8	57.8	55.4	53.0	33.7
90°	28.3	28.3	28.3	28.3	28.3	37.8	50.4	56.8	48.8	32.8	20.9
92.5°	113.7	91.1	113.7	136.3	141.9	201.2	280.1	319.6	280.6	202.6	144.1
95°	396.2	327.9	396.2	464.5	481.6	632.5	833.7	934.2	789.0	498.6	280.8
97.5°	949.3	819.2	949.3	1079.4	1111.9	1207.2	1334.3	1397.9	1155.8	671.6	308.4
100°	1367.7	1212.8	1367.7	1522.7	1561.5	1554.5	1545.2	1540.6	1271.9	734.6	331.6
102.5°	1779.4	1646.6	1779.4	1912.2	1945.3	1823.9	1661.9	1580.9	1308.4	763.4	354.7
105°	2304.2	2232.8	2304.2	2375.6	2393.4	2121.1	1758.0	1576.4	1312.6	784.9	389.1
107.5°	2648.0	2665.2	2648.0	2630.7	2626.4	2246.6	1740.1	1486.8	1254.2	788.9	439.9
110°	2779.0	2853.4	2779.0	2704.7	2686.1	2261.5	1695.3	1412.2	1202.4	782.8	468.2





TEST NUMBER: P934749

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2790.7	2904.9	2790.7	2676.6	2648.1	2213.5	1633.9	1344.2	1157.2	783.2	502.6
115°	2716.7	2875.1	2716.7	2558.4	2518.9	2100.2	1541.9	1262.8	1105.3	790.3	554.1
117.5°	2559.8	2735.4	2559.8	2384.3	2340.3	1962.5	1458.6	1206.7	1072.8	805.0	604.1
120°	2433.4	2604.0	2433.4	2262.8	2220.1	1874.8	1414.5	1184.3	1061.9	817.0	633.2
122.5°	2310.2	2478.5	2310.2	2142.0	2099.9	1789.0	1374.4	1167.2	1056.2	834.2	667.6
125°	2134.6	2289.6	2134.6	1979.6	1940.9	1676.7	1324.6	1148.5	1051.4	857.3	711.7
127.5°	1976.7	2107.4	1976.7	1845.9	1813.2	1586.4	1284.1	1132.9	1048.7	880.5	754.3
130°	1883.5	2004.4	1883.5	1762.7	1732.5	1530.6	1261.4	1126.8	1050.3	897.4	782.6
132.5°	1799.0	1907.3	1799.0	1690.9	1663.8	1483.1	1242.1	1121.6	1051.4	911.0	805.7
135°	1683.3	1776.6	1683.3	1590.0	1566.7	1415.4	1213.6	1112.7	1050.5	926.0	832.6
137.5°	1590.4	1666.8	1590.4	1514.1	1495.0	1367.1	1196.5	1111.2	1056.9	948.4	867.0
140°	1526.7	1598.1	1526.7	1455.4	1437.5	1327.0	1179.7	1106.0	1058.0	962.1	890.1
142.5°	1474.0	1535.3	1474.0	1412.6	1397.2	1300.1	1170.7	1106.0	1061.8	973.6	907.3
145°	1394.8	1441.2	1394.8	1348.4	1336.8	1257.3	1151.4	1098.5	1061.8	988.5	933.5
147.5°	1334.0	1372.6	1334.0	1295.6	1285.9	1223.5	1140.2	1098.5	1069.1	1010.4	966.3
150°	1295.8	1327.0	1295.8	1264.6	1256.8	1204.0	1133.7	1098.5	1073.0	1021.8	983.5
152.5°	1263.1	1286.6	1263.1	1239.5	1233.6	1188.6	1128.5	1098.5	1075.5	1029.3	994.7
155°	1225.5	1241.1	1225.5	1210.0	1206.0	1170.2	1122.4	1098.5	1080.9	1045.7	1019.3
157.5°	1195.8	1206.7	1195.8	1184.8	1182.1	1154.2	1117.1	1098.5	1086.4	1062.1	1044.0
160°	1178.1	1184.3	1178.1	1171.8	1170.2	1146.3	1114.4	1098.5	1088.9	1069.7	1055.2
162.5°	1166.4	1172.5	1166.4	1160.5	1159.0	1138.8	1111.9	1098.5	1091.5	1077.5	1067.1
165°	1149.7	1156.0	1149.7	1143.4	1141.8	1127.3	1108.1	1098.5	1095.4	1089.0	1084.3
167.5°	1137.7	1140.3	1137.7	1135.0	1134.3	1124.8	1112.2	1106.0	1103.3	1098.0	1094.0
170°	1134.3	1134.3	1134.3	1134.3	1134.3	1124.8	1112.2	1106.0	1105.8	1105.5	1105.2
172.5°	1125.5	1123.2	1125.5	1127.8	1128.4	1120.9	1111.0	1106.0	1106.0	1106.0	1106.0
175°	1120.2	1120.2	1120.2	1120.2	1120.2	1115.4	1109.1	1106.0	1107.5	1110.5	1112.7
177.5°	1115.4	1112.7	1115.4	1118.0	1118.7	1115.0	1110.0	1107.5	1108.6	1111.0	1112.7
180°	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2.5°	2582.5	2568.1	2568.1	2544.0	2534.3	2527.1	2515.1	2478.9	2469.3	2459.7	2474.1
5°	2604.2	2577.7	2558.4	2515.1	2478.9	2464.5	2418.7	2332.0	2274.2	2230.8	2206.7
7.5°	2609.0	2575.3	2539.2	2471.7	2385.0	2346.4	2206.7	2047.6	2004.3	1965.7	1941.7
10°	2604.2	2565.7	2515.1	2413.9	2209.1	2141.7	2001.9	1898.3	1871.8	1864.6	1871.8
12.5°	2587.3	2551.2	2481.4	2312.7	2026.0	1980.2	1898.3	1838.1	1833.2	1845.3	1910.3
15°	2558.4	2524.7	2442.8	2177.8	1924.8	1891.1	1833.2	1811.6	1838.1	1922.4	2117.5
17.5°	2529.5	2491.0	2389.8	2045.2	1847.7	1823.6	1782.7	1826.0	1975.4	2088.6	2153.7
20°	2491.0	2445.2	2329.6	1948.9	1792.3	1770.6	1751.3	1946.5	2059.7	2100.6	2136.9
22.5°	2445.2	2397.0	2247.7	1881.4	1734.5	1717.6	1729.7	2013.9	2059.7	2088.6	2119.9
25°	2385.0	2344.0	2151.3	1828.4	1688.7	1669.4	1715.2	2006.7	2033.2	2040.4	2103.1
27.5°	2329.6	2276.6	2050.1	1780.3	1633.3	1626.1	1727.3	1975.4	1994.7	2001.9	2069.3
30°	2262.1	2182.6	1936.8	1729.7	1575.5	1573.1	1729.7	1936.8	1932.0	1951.3	2018.7
32.5°	2192.3	2042.8	1809.2	1667.0	1520.1	1517.7	1712.8	1879.0	1874.2	1900.7	1951.3
35°	2127.2	1934.4	1635.7	1594.8	1450.2	1452.6	1671.8	1811.6	1814.0	1838.1	1869.4
37.5°	2059.7	1840.5	1445.4	1515.3	1382.8	1382.8	1616.4	1748.9	1744.1	1751.3	1794.7
40°	1980.2	1693.5	1276.8	1411.7	1320.1	1312.9	1549.0	1681.5	1664.6	1662.2	1722.4
42.5°	1895.9	1532.1	1151.5	1274.4	1247.9	1238.2	1467.1	1599.6	1568.3	1575.5	1652.6
45°	1804.3	1488.8	1055.1	1076.8	1173.2	1166.0	1377.9	1505.6	1483.9	1503.2	1582.7
47.5°	1712.8	1402.0	1023.8	893.7	1093.7	1091.3	1279.2	1414.1	1402.0	1421.3	1505.6
50°	1587.5	1305.7	1021.4	766.1	1004.6	1014.2	1161.1	1325.0	1325.0	1341.8	1430.9
52.5°	1426.1	1187.6	927.5	693.8	901.0	929.9	1057.6	1247.9	1252.7	1269.5	1349.0
55°	1279.2	1064.8	860.0	638.4	778.1	840.7	956.4	1168.4	1178.0	1194.9	1267.1
57.5°	1144.3	886.5	845.6	573.3	664.9	725.1	867.2	1091.3	1096.1	1110.5	1180.4
60°	999.7	640.8	775.7	503.5	566.1	611.9	785.3	999.7	1016.6	1026.2	1086.5
62.5°	835.9	464.9	703.4	455.3	517.9	527.6	717.9	913.0	934.7	941.9	978.1
65°	595.0	390.3	597.4	414.3	467.3	469.8	645.6	823.9	843.2	855.2	881.7
67.5°	402.3	318.0	455.3	375.8	428.8	431.2	575.8	720.3	746.8	756.4	773.3
70°	279.4	212.0	337.3	334.9	385.4	390.3	501.1	626.3	650.4	657.7	667.3
72.5°	204.8	171.0	279.4	301.1	339.7	344.5	424.0	520.3	544.4	551.7	556.5
75°	156.6	180.7	226.4	262.6	289.1	291.5	346.9	424.0	440.8	445.7	448.1
77.5°	125.3	168.6	166.2	212.0	236.1	231.3	272.2	327.6	342.1	342.1	342.1
80°	94.0	132.5	125.3	151.8	173.4	168.6	195.1	233.7	238.5	243.3	240.9
82.5°	69.9	84.3	84.3	96.4	115.6	110.8	130.1	151.8	151.8	151.8	156.6
85°	43.4	48.2	38.5	50.6	65.0	62.6	72.3	81.9	84.3	84.3	79.5
87.5°	26.5	21.7	12.0	19.3	28.9	28.9	33.7	36.1	33.7	33.7	33.7
90°	19.4	13.4	7.5	13.4	19.4	20.9	32.8	48.8	56.8	50.4	37.8
92.5°	131.5	80.6	29.9	80.6	131.5	144.1	202.6	280.6	319.6	280.1	201.2
95°	257.6	164.6	71.7	164.6	257.6	280.8	498.6	789.0	934.2	833.7	632.5
97.5°	288.0	206.0	124.0	206.0	288.0	308.4	671.6	1155.8	1397.9	1334.3	1207.2
100°	313.0	238.7	164.3	238.7	313.0	331.6	734.6	1271.9	1540.6	1545.2	1554.5
102.5°	337.3	268.0	198.7	268.0	337.3	354.7	763.4	1308.4	1580.9	1661.9	1823.9
105°	374.4	315.7	256.9	315.7	374.4	389.1	784.9	1312.6	1576.4	1758.0	2121.1
107.5°	426.2	371.4	316.6	371.4	426.2	439.9	788.9	1254.2	1486.8	1740.1	2246.6
110°	455.9	406.4	356.9	406.4	455.9	468.2	782.8	1202.4	1412.2	1695.3	2261.5



TEST NUMBER: P934749

CATALOG NUMBER: SQ4-FA-075U-075D-930-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	490.8	443.7	396.5	443.7	490.8	502.6	783.2	1157.2	1344.2	1633.9	2213.5
115°	543.2	499.7	456.3	499.7	543.2	554.1	790.3	1105.3	1262.8	1541.9	2100.2
117.5°	594.2	554.8	515.3	554.8	594.2	604.1	805.0	1072.8	1206.7	1458.6	1962.5
120°	623.9	586.8	549.7	586.8	623.9	633.2	817.0	1061.9	1184.3	1414.5	1874.8
122.5°	658.2	620.7	583.2	620.7	658.2	667.6	834.2	1056.2	1167.2	1374.4	1789.0
125°	703.2	669.0	634.8	669.0	703.2	711.7	857.3	1051.4	1148.5	1324.6	1676.7
127.5°	745.7	711.1	676.6	711.1	745.7	754.3	880.5	1048.7	1132.9	1284.1	1586.4
130°	773.3	736.2	699.0	736.2	773.3	782.6	897.4	1050.3	1126.8	1261.4	1530.6
132.5°	796.4	759.3	722.1	759.3	796.4	805.7	911.0	1051.4	1121.6	1242.1	1483.1
135°	824.2	790.3	756.5	790.3	824.2	832.6	926.0	1050.5	1112.7	1213.6	1415.4
137.5°	858.6	825.1	791.6	825.1	858.6	867.0	948.4	1056.9	1111.2	1196.5	1367.1
140°	882.4	851.5	820.7	851.5	882.4	890.1	962.1	1058.0	1106.0	1179.7	1327.0
142.5°	900.2	871.7	843.1	871.7	900.2	907.3	973.6	1061.8	1106.0	1170.7	1300.1
145°	927.2	902.3	877.4	902.3	927.2	933.5	988.5	1061.8	1098.5	1151.4	1257.3
147.5°	960.3	936.1	911.8	936.1	960.3	966.3	1010.4	1069.1	1098.5	1140.2	1223.5
150°	978.1	956.1	934.2	956.1	978.1	983.5	1021.8	1073.0	1098.5	1133.7	1204.0
152.5°	990.5	974.0	957.3	974.0	990.5	994.7	1029.3	1075.5	1098.5	1128.5	1188.6
155°	1016.3	1004.0	991.7	1004.0	1016.3	1019.3	1045.7	1080.9	1098.5	1122.4	1170.2
157.5°	1041.0	1029.0	1017.1	1029.0	1041.0	1044.0	1062.1	1086.4	1098.5	1117.1	1154.2
160°	1052.9	1043.6	1034.3	1043.6	1052.9	1055.2	1069.7	1088.9	1098.5	1114.4	1146.3
162.5°	1065.3	1058.4	1051.4	1058.4	1065.3	1067.1	1077.5	1091.5	1098.5	1111.9	1138.8
165°	1082.7	1076.4	1070.2	1076.4	1082.7	1084.3	1089.0	1095.4	1098.5	1108.1	1127.3
167.5°	1093.3	1090.2	1087.3	1090.2	1093.3	1094.0	1098.0	1103.3	1106.0	1112.2	1124.8
170°	1104.5	1101.5	1098.5	1101.5	1104.5	1105.2	1105.5	1105.8	1106.0	1112.2	1124.8
172.5°	1105.8	1105.1	1104.4	1105.1	1105.8	1106.0	1106.0	1106.0	1106.0	1111.0	1120.9
175°	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1110.5	1107.5	1106.0	1109.1	1115.4
177.5°	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1111.0	1108.6	1107.5	1110.0	1115.0
180°	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7



TEST NUMBER: P934749

CATALOG NUMBER: SQ4-FA-075U-075D-930-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2.5°	2457.3	2450.0	2459.7	2433.2	2459.7	2450.0	2457.3	2474.1	2459.7	2469.3	2478.9
5°	2156.1	2144.1	2105.5	2074.1	2105.5	2144.1	2156.1	2206.7	2230.8	2274.2	2332.0
7.5°	1927.2	1917.6	1907.9	1888.7	1907.9	1917.6	1927.2	1941.7	1965.7	2004.3	2047.6
10°	1876.6	1879.0	1893.5	1891.1	1893.5	1879.0	1876.6	1871.8	1864.6	1871.8	1898.3
12.5°	2006.7	2028.4	2107.9	2103.1	2107.9	2028.4	2006.7	1910.3	1845.3	1833.2	1838.1
15°	2156.1	2163.4	2180.2	2182.6	2180.2	2163.4	2156.1	2117.5	1922.4	1838.1	1811.6
17.5°	2170.6	2173.0	2185.0	2185.0	2185.0	2173.0	2170.6	2153.7	2088.6	1975.4	1826.0
20°	2158.5	2163.4	2187.5	2192.3	2187.5	2163.4	2158.5	2136.9	2100.6	2059.7	1946.5
22.5°	2153.7	2163.4	2182.6	2180.2	2182.6	2163.4	2153.7	2119.9	2088.6	2059.7	2013.9
25°	2129.6	2129.6	2132.0	2134.5	2132.0	2129.6	2129.6	2103.1	2040.4	2033.2	2006.7
27.5°	2079.0	2083.8	2098.2	2095.8	2098.2	2083.8	2079.0	2069.3	2001.9	1994.7	1975.4
30°	2033.2	2028.4	2016.3	2006.7	2016.3	2028.4	2033.2	2018.7	1951.3	1932.0	1936.8
32.5°	1956.1	1944.1	1932.0	1924.8	1932.0	1944.1	1956.1	1951.3	1900.7	1874.2	1879.0
35°	1864.6	1867.0	1864.6	1857.3	1864.6	1867.0	1864.6	1869.4	1838.1	1814.0	1811.6
37.5°	1799.5	1804.3	1801.9	1792.3	1801.9	1804.3	1799.5	1794.7	1751.3	1744.1	1748.9
40°	1732.1	1734.5	1732.1	1724.8	1732.1	1734.5	1732.1	1722.4	1662.2	1664.6	1681.5
42.5°	1667.0	1664.6	1657.4	1652.6	1657.4	1664.6	1667.0	1652.6	1575.5	1568.3	1599.6
45°	1592.3	1594.8	1580.3	1573.1	1580.3	1594.8	1592.3	1582.7	1503.2	1483.9	1505.6
47.5°	1517.7	1517.7	1505.6	1498.4	1505.6	1517.7	1517.7	1505.6	1421.3	1402.0	1414.1
50°	1438.2	1435.8	1418.9	1416.5	1418.9	1435.8	1438.2	1430.9	1341.8	1325.0	1325.0
52.5°	1346.6	1346.6	1349.0	1353.9	1349.0	1346.6	1346.6	1349.0	1269.5	1252.7	1247.9
55°	1267.1	1269.5	1286.4	1291.2	1286.4	1269.5	1267.1	1267.1	1194.9	1178.0	1168.4
57.5°	1185.2	1185.2	1197.3	1197.3	1197.3	1185.2	1185.2	1180.4	1110.5	1096.1	1091.3
60°	1091.3	1096.1	1105.7	1103.3	1105.7	1096.1	1091.3	1086.5	1026.2	1016.6	999.7
62.5°	992.5	997.3	999.7	994.9	999.7	997.3	992.5	978.1	941.9	934.7	913.0
65°	888.9	893.7	896.1	891.3	896.1	893.7	888.9	881.7	855.2	843.2	823.9
67.5°	782.9	780.5	778.1	787.7	778.1	780.5	782.9	773.3	756.4	746.8	720.3
70°	674.5	674.5	672.1	676.9	672.1	674.5	674.5	667.3	657.7	650.4	626.3
72.5°	558.9	556.5	566.1	558.9	566.1	556.5	558.9	556.5	551.7	544.4	520.3
75°	445.7	450.5	445.7	452.9	445.7	450.5	445.7	448.1	445.7	440.8	424.0
77.5°	339.7	344.5	339.7	339.7	339.7	344.5	339.7	342.1	342.1	342.1	327.6
80°	240.9	238.5	238.5	236.1	238.5	238.5	240.9	240.9	243.3	238.5	233.7
82.5°	154.2	151.8	151.8	156.6	151.8	151.8	154.2	156.6	151.8	151.8	151.8
85°	84.3	86.7	81.9	81.9	81.9	86.7	84.3	79.5	84.3	84.3	81.9
87.5°	31.3	28.9	28.9	28.9	28.9	28.9	31.3	33.7	33.7	33.7	36.1
90°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	37.8	50.4	56.8	48.8
92.5°	141.9	136.3	113.7	91.1	113.7	136.3	141.9	201.2	280.1	319.6	280.6
95°	481.6	464.5	396.2	327.9	396.2	464.5	481.6	632.5	833.7	934.2	789.0
97.5°	1111.9	1079.4	949.3	819.2	949.3	1079.4	1111.9	1207.2	1334.3	1397.9	1155.8
100°	1561.5	1522.7	1367.7	1212.8	1367.7	1522.7	1561.5	1554.5	1545.2	1540.6	1271.9
102.5°	1945.3	1912.2	1779.4	1646.6	1779.4	1912.2	1945.3	1823.9	1661.9	1580.9	1308.4
105°	2393.4	2375.6	2304.2	2232.8	2304.2	2375.6	2393.4	2121.1	1758.0	1576.4	1312.6
107.5°	2626.4	2630.7	2648.0	2665.2	2648.0	2630.7	2626.4	2246.6	1740.1	1486.8	1254.2
110°	2686.1	2704.7	2779.0	2853.4	2779.0	2704.7	2686.1	2261.5	1695.3	1412.2	1202.4



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2648.1	2676.6	2790.7	2904.9	2790.7	2676.6	2648.1	2213.5	1633.9	1344.2	1157.2
115°	2518.9	2558.4	2716.7	2875.1	2716.7	2558.4	2518.9	2100.2	1541.9	1262.8	1105.3
117.5°	2340.3	2384.3	2559.8	2735.4	2559.8	2384.3	2340.3	1962.5	1458.6	1206.7	1072.8
120°	2220.1	2262.8	2433.4	2604.0	2433.4	2262.8	2220.1	1874.8	1414.5	1184.3	1061.9
122.5°	2099.9	2142.0	2310.2	2478.5	2310.2	2142.0	2099.9	1789.0	1374.4	1167.2	1056.2
125°	1940.9	1979.6	2134.6	2289.6	2134.6	1979.6	1940.9	1676.7	1324.6	1148.5	1051.4
127.5°	1813.2	1845.9	1976.7	2107.4	1976.7	1845.9	1813.2	1586.4	1284.1	1132.9	1048.7
130°	1732.5	1762.7	1883.5	2004.4	1883.5	1762.7	1732.5	1530.6	1261.4	1126.8	1050.3
132.5°	1663.8	1690.9	1799.0	1907.3	1799.0	1690.9	1663.8	1483.1	1242.1	1121.6	1051.4
135°	1566.7	1590.0	1683.3	1776.6	1683.3	1590.0	1566.7	1415.4	1213.6	1112.7	1050.5
137.5°	1495.0	1514.1	1590.4	1666.8	1590.4	1514.1	1495.0	1367.1	1196.5	1111.2	1056.9
140°	1437.5	1455.4	1526.7	1598.1	1526.7	1455.4	1437.5	1327.0	1179.7	1106.0	1058.0
142.5°	1397.2	1412.6	1474.0	1535.3	1474.0	1412.6	1397.2	1300.1	1170.7	1106.0	1061.8
145°	1336.8	1348.4	1394.8	1441.2	1394.8	1348.4	1336.8	1257.3	1151.4	1098.5	1061.8
147.5°	1285.9	1295.6	1334.0	1372.6	1334.0	1295.6	1285.9	1223.5	1140.2	1098.5	1069.1
150°	1256.8	1264.6	1295.8	1327.0	1295.8	1264.6	1256.8	1204.0	1133.7	1098.5	1073.0
152.5°	1233.6	1239.5	1263.1	1286.6	1263.1	1239.5	1233.6	1188.6	1128.5	1098.5	1075.5
155°	1206.0	1210.0	1225.5	1241.1	1225.5	1210.0	1206.0	1170.2	1122.4	1098.5	1080.9
157.5°	1182.1	1184.8	1195.8	1206.7	1195.8	1184.8	1182.1	1154.2	1117.1	1098.5	1086.4
160°	1170.2	1171.8	1178.1	1184.3	1178.1	1171.8	1170.2	1146.3	1114.4	1098.5	1088.9
162.5°	1159.0	1160.5	1166.4	1172.5	1166.4	1160.5	1159.0	1138.8	1111.9	1098.5	1091.5
165°	1141.8	1143.4	1149.7	1156.0	1149.7	1143.4	1141.8	1127.3	1108.1	1098.5	1095.4
167.5°	1134.3	1135.0	1137.7	1140.3	1137.7	1135.0	1134.3	1124.8	1112.2	1106.0	1103.3
170°	1134.3	1134.3	1134.3	1134.3	1134.3	1134.3	1134.3	1124.8	1112.2	1106.0	1105.8
172.5°	1128.4	1127.8	1125.5	1123.2	1125.5	1127.8	1128.4	1120.9	1111.0	1106.0	1106.0
175°	1120.2	1120.2	1120.2	1120.2	1120.2	1120.2	1120.2	1115.4	1109.1	1106.0	1107.5
177.5°	1118.7	1118.0	1115.4	1112.7	1115.4	1118.0	1118.7	1115.0	1110.0	1107.5	1108.6
180°	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2546.4	2546.4	2546.4	2546.4	2546.4
2.5°	2515.1	2527.1	2534.3	2544.0	2568.1
5°	2418.7	2464.5	2478.9	2515.1	2558.4
7.5°	2206.7	2346.4	2385.0	2471.7	2539.2
10°	2001.9	2141.7	2209.1	2413.9	2515.1
12.5°	1898.3	1980.2	2026.0	2312.7	2481.4
15°	1833.2	1891.1	1924.8	2177.8	2442.8
17.5°	1782.7	1823.6	1847.7	2045.2	2389.8
20°	1751.3	1770.6	1792.3	1948.9	2329.6
22.5°	1729.7	1717.6	1734.5	1881.4	2247.7
25°	1715.2	1669.4	1688.7	1828.4	2151.3
27.5°	1727.3	1626.1	1633.3	1780.3	2050.1
30°	1729.7	1573.1	1575.5	1729.7	1936.8
32.5°	1712.8	1517.7	1520.1	1667.0	1809.2
35°	1671.8	1452.6	1450.2	1594.8	1635.7
37.5°	1616.4	1382.8	1382.8	1515.3	1445.4
40°	1549.0	1312.9	1320.1	1411.7	1276.8
42.5°	1467.1	1238.2	1247.9	1274.4	1151.5
45°	1377.9	1166.0	1173.2	1076.8	1055.1
47.5°	1279.2	1091.3	1093.7	893.7	1023.8
50°	1161.1	1014.2	1004.6	766.1	1021.4
52.5°	1057.6	929.9	901.0	693.8	927.5
55°	956.4	840.7	778.1	638.4	860.0
57.5°	867.2	725.1	664.9	573.3	845.6
60°	785.3	611.9	566.1	503.5	775.7
62.5°	717.9	527.6	517.9	455.3	703.4
65°	645.6	469.8	467.3	414.3	597.4
67.5°	575.8	431.2	428.8	375.8	455.3
70°	501.1	390.3	385.4	334.9	337.3
72.5°	424.0	344.5	339.7	301.1	279.4
75°	346.9	291.5	289.1	262.6	226.4
77.5°	272.2	231.3	236.1	212.0	166.2
80°	195.1	168.6	173.4	151.8	125.3
82.5°	130.1	110.8	115.6	96.4	84.3
85°	72.3	62.6	65.0	50.6	38.5
87.5°	33.7	28.9	28.9	19.3	12.0
90°	32.8	20.9	19.4	13.4	7.5
92.5°	202.6	144.1	131.5	80.6	29.9
95°	498.6	280.8	257.6	164.6	71.7
97.5°	671.6	308.4	288.0	206.0	124.0
100°	734.6	331.6	313.0	238.7	164.3
102.5°	763.4	354.7	337.3	268.0	198.7
105°	784.9	389.1	374.4	315.7	256.9
107.5°	788.9	439.9	426.2	371.4	316.6
110°	782.8	468.2	455.9	406.4	356.9



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	783.2	502.6	490.8	443.7	396.5
115°	790.3	554.1	543.2	499.7	456.3
117.5°	805.0	604.1	594.2	554.8	515.3
120°	817.0	633.2	623.9	586.8	549.7
122.5°	834.2	667.6	658.2	620.7	583.2
125°	857.3	711.7	703.2	669.0	634.8
127.5°	880.5	754.3	745.7	711.1	676.6
130°	897.4	782.6	773.3	736.2	699.0
132.5°	911.0	805.7	796.4	759.3	722.1
135°	926.0	832.6	824.2	790.3	756.5
137.5°	948.4	867.0	858.6	825.1	791.6
140°	962.1	890.1	882.4	851.5	820.7
142.5°	973.6	907.3	900.2	871.7	843.1
145°	988.5	933.5	927.2	902.3	877.4
147.5°	1010.4	966.3	960.3	936.1	911.8
150°	1021.8	983.5	978.1	956.1	934.2
152.5°	1029.3	994.7	990.5	974.0	957.3
155°	1045.7	1019.3	1016.3	1004.0	991.7
157.5°	1062.1	1044.0	1041.0	1029.0	1017.1
160°	1069.7	1055.2	1052.9	1043.6	1034.3
162.5°	1077.5	1067.1	1065.3	1058.4	1051.4
165°	1089.0	1084.3	1082.7	1076.4	1070.2
167.5°	1098.0	1094.0	1093.3	1090.2	1087.3
170°	1105.5	1105.2	1104.5	1101.5	1098.5
172.5°	1106.0	1106.0	1105.8	1105.1	1104.4
175°	1110.5	1112.7	1112.7	1112.7	1112.7
177.5°	1111.0	1112.7	1112.7	1112.7	1112.7
180°	1112.7	1112.7	1112.7	1112.7	1112.7



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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	11.78	12.62	12.75	13.61	14.91	14.63	15.47	15.60	16.46	17.76
	3H	12.25	13.01	13.24	14.00	15.33	15.98	16.73	16.96	17.73	19.05
	4H	12.44	13.16	13.44	14.16	15.49	16.43	17.14	17.43	18.14	19.47
	6H	12.56	13.22	13.57	14.22	15.57	16.71	17.37	17.73	18.38	19.72
	8H	12.56	13.19	13.58	14.21	15.55	16.79	17.42	17.81	18.44	19.78
	12H	12.53	13.13	13.55	14.14	15.51	16.83	17.43	17.85	18.45	19.81
4H	2H	12.81	13.52	13.82	14.53	15.86	15.03	15.75	16.04	16.75	18.08
	3H	13.84	14.43	14.85	15.46	16.81	16.54	17.14	17.56	18.17	19.51
	4H	14.11	14.66	15.14	15.68	17.05	17.08	17.62	18.10	18.64	20.01
	6H	14.24	14.70	15.27	15.75	17.12	17.44	17.91	18.48	18.96	20.32
	8H	14.24	14.68	15.28	15.72	17.10	17.55	17.99	18.59	19.03	20.41
	12H	14.21	14.60	15.26	15.66	17.04	17.61	18.01	18.67	19.06	20.45
8H	4H	14.57	15.00	15.60	16.04	17.42	17.20	17.63	18.23	18.67	20.05
	6H	14.83	15.19	15.89	16.27	17.65	17.64	18.00	18.70	19.08	20.46
	8H	14.87	15.19	15.94	16.25	17.65	17.79	18.11	18.86	19.18	20.57
	12H	14.85	15.13	15.92	16.19	17.63	17.90	18.18	18.97	19.24	20.67
12H	4H	14.57	14.97	15.63	16.02	17.41	17.16	17.56	18.21	18.61	20.00
	6H	14.89	15.21	15.96	16.27	17.67	17.64	17.95	18.70	19.02	20.42
	8H	14.96	15.23	16.03	16.30	17.73	17.80	18.08	18.87	19.14	20.58