

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: P934912

Luminaire Tested: SQ4-FA-075U-125D-830-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

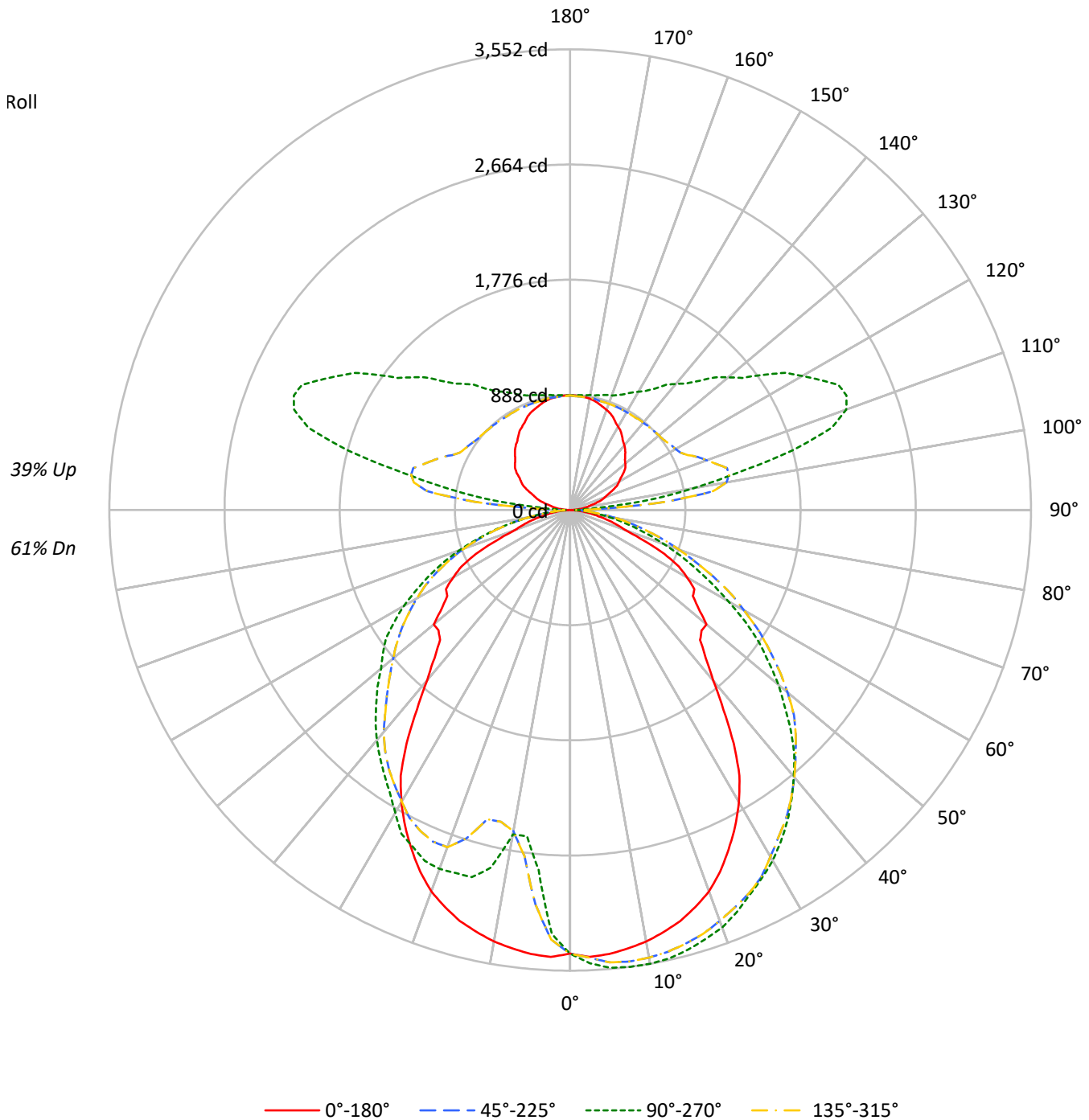
Test Method: LM-79-2019  
Report Number: P934912  
REPORT IS A COMBINATION OF REPORTS P933720 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-125D-830-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14595.3 lumens  
Efficiency: N/A  
Efficacy: 117.7 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: Semi-Direct  
  
Input Watts (W): 124  
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	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	66	66	66	61
1	100	96	92	88	94	90	86	83	79	76	74	68	66	65	59	57	56	56	56	56	51
2	91	84	78	72	85	79	73	68	69	65	61	60	57	54	52	49	47	47	47	47	43
3	83	74	66	60	78	69	63	57	61	56	51	53	49	46	46	43	40	40	40	40	36
4	76	65	57	51	71	61	54	49	54	48	44	47	43	39	41	37	35	35	35	35	31
5	70	58	50	44	65	55	47	42	48	42	38	42	38	34	37	33	30	30	30	30	27
6	65	52	44	38	60	49	42	36	44	37	33	38	33	30	33	29	26	26	26	26	24
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23	23	23	23	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	21	21	21	19
9	52	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	19	19	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17	17	17	17	15

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

	0°	90°	180°	270°
0°	15867	15867	15867	15867
5°	15985	16016	15985	12594
10°	15878	15777	15878	11280
15°	15706	15435	15706	12889
20°	15377	15030	15377	12916
25°	14705	14440	14705	12642
30°	13836	13949	13836	12041
35°	12335	13329	12335	11381
40°	10278	12599	10278	10882
45°	9183	11744	9183	10308
50°	9756	10725	9756	9732
55°	9179	9627	9179	9399
60°	9462	8176	9462	8608
65°	8579	6759	8579	7555
70°	5941	5386	5941	6333
75°	5208	3981	5208	4767
80°	4199	2632	4199	2867
85°	2408	1394	2408	1185

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14075 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	308.7	2.1
10°-20°	876.5	6.0
20°-30°	1354.9	9.3
30°-40°	1617.4	11.1
40°-50°	1626.9	11.1
50°-60°	1415.6	9.7
60°-70°	1003.7	6.9
70°-80°	531.0	3.6
80°-90°	135.6	0.9
90°-100°	430.5	2.9
100°-110°	1131.8	7.8
110°-120°	1173.5	8.0
120°-130°	941.3	6.4
130°-140°	738.6	5.1
140°-150°	566.9	3.9
150°-160°	408.3	2.8
160°-170°	249.8	1.7
170°-180°	84.4	0.6
0°-30°	2540.0	17.4
0°-40°	4157.5	28.5
0°-60°	7200.0	49.3
0°-90°	8870.3	60.8
90°-120°	2735.8	18.7
90°-150°	4982.6	34.1
90°-180°	5725.0	39.2
0°-180°	14595.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3420	3420	3420	3420	3420	
5°	3436	3543	3436	2786	3436	326
15°	3281	3510	3281	2931	3281	923
25°	2889	3274	2889	2867	2889	1327
35°	2197	2922	2197	2494	2197	1359
45°	1417	2407	1417	2113	1417	1135
55°	1155	1776	1155	1734	1155	1061
65°	802	1071	802	1197	802	767
75°	304	508	304	608	304	320
85°	52	129	52	110	52	70
90°	6	23	6	23	6	7
95°	57	260	57	260	57	63
105°	204	1772	204	1772	204	216
115°	362	2282	362	2282	362	358
125°	504	1817	504	1817	504	447
135°	600	1410	600	1410	600	465
145°	696	1144	696	1144	696	436
155°	787	985	787	985	787	362
165°	849	918	849	918	849	240
175°	883	889	883	889	883	84
180°	883	883	883	883	883	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8
2.5°	3448.9	3448.9	3468.3	3474.8	3474.8	3465.1	3455.4	3465.1	3494.2	3503.9	3500.7
5°	3436.0	3461.9	3497.4	3503.9	3510.3	3507.2	3500.7	3507.2	3539.5	3546.0	3549.2
7.5°	3410.1	3458.6	3503.9	3513.6	3523.3	3513.6	3510.3	3516.8	3549.2	3555.7	3555.7
10°	3377.7	3445.7	3497.4	3503.9	3513.6	3503.9	3503.9	3516.8	3549.2	3555.7	3558.9
12.5°	3332.4	3426.2	3474.8	3481.3	3494.2	3490.9	3487.8	3500.7	3533.0	3539.5	3539.5
15°	3280.7	3390.6	3436.0	3442.5	3465.1	3458.6	3458.6	3471.5	3507.2	3516.8	3513.6
17.5°	3209.5	3345.3	3397.1	3406.8	3423.1	3419.8	3423.1	3436.0	3468.3	3474.8	3478.0
20°	3128.6	3283.9	3345.3	3355.1	3371.2	3371.2	3371.2	3387.4	3419.8	3432.7	3432.7
22.5°	3018.6	3219.2	3283.9	3290.4	3309.8	3309.8	3316.3	3338.9	3368.0	3371.2	3371.2
25°	2889.2	3148.0	3203.0	3222.4	3241.8	3251.5	3261.3	3274.2	3283.9	3280.7	3283.9
27.5°	2753.3	3057.4	3128.6	3141.5	3167.4	3177.2	3190.1	3193.3	3196.6	3206.2	3199.7
30°	2601.3	2931.3	3038.0	3051.0	3093.0	3099.4	3086.5	3093.0	3109.2	3115.7	3122.1
32.5°	2429.8	2743.6	2944.2	2973.4	3012.2	2992.8	2989.5	2999.2	3025.1	3025.1	3031.6
35°	2196.8	2598.0	2856.8	2882.7	2911.8	2889.2	2902.1	2905.4	2921.5	2931.3	2928.0
37.5°	1941.3	2471.8	2766.3	2785.7	2808.3	2779.2	2798.6	2808.3	2821.3	2814.8	2814.8
40°	1714.8	2274.4	2659.5	2672.4	2691.8	2669.2	2688.6	2695.1	2701.6	2695.1	2691.8
42.5°	1546.5	2057.7	2546.2	2562.4	2549.5	2565.6	2572.1	2585.0	2575.4	2562.4	2562.4
45°	1417.1	1999.5	2423.3	2442.7	2423.3	2449.2	2458.9	2458.9	2429.8	2423.3	2420.0
47.5°	1375.0	1882.9	2300.3	2300.3	2290.7	2323.0	2339.1	2316.5	2287.4	2277.7	2277.7
50°	1371.8	1753.6	2132.1	2119.2	2164.5	2203.3	2187.1	2164.5	2141.8	2106.3	2106.3
52.5°	1245.6	1595.0	1915.3	1963.9	2035.0	2057.7	2031.8	2009.1	1970.3	1954.2	1941.3
55°	1155.0	1430.1	1718.0	1815.1	1889.4	1918.6	1870.0	1847.4	1789.2	1779.5	1773.0
57.5°	1135.6	1190.6	1536.8	1659.7	1750.3	1747.1	1718.0	1676.0	1627.4	1617.6	1614.5
60°	1041.8	860.6	1342.7	1488.3	1582.1	1572.4	1546.5	1507.7	1462.4	1455.9	1449.5
62.5°	944.7	624.5	1122.6	1287.6	1420.3	1417.1	1394.4	1336.2	1303.9	1287.6	1274.7
65°	802.4	524.2	799.1	1070.9	1261.8	1268.2	1219.8	1177.7	1142.0	1122.6	1119.5
67.5°	611.5	427.0	540.3	893.0	1109.7	1103.2	1041.8	1022.3	977.1	967.4	948.0
70°	453.0	284.7	375.3	724.7	960.9	944.7	896.2	873.6	831.5	808.9	795.9
72.5°	375.3	229.7	275.0	563.0	808.9	789.5	747.4	721.5	685.9	666.5	653.5
75°	304.1	242.6	210.3	417.4	656.8	643.9	605.1	579.1	550.0	524.2	527.3
77.5°	223.2	226.5	168.3	307.4	520.9	501.5	478.9	446.5	433.5	407.6	407.6
80°	168.3	177.9	126.2	210.3	375.3	375.3	355.9	333.3	310.6	297.7	297.7
82.5°	113.2	113.2	93.8	132.7	255.6	245.9	233.0	226.5	213.6	207.1	207.1
85°	51.7	64.7	58.2	80.9	139.1	145.6	145.6	139.1	135.8	129.4	132.7
87.5°	16.2	29.2	35.6	45.3	71.2	74.4	77.6	77.6	77.6	80.9	80.9
90°	5.9	10.7	15.5	16.6	26.1	38.7	45.0	40.1	30.0	22.6	22.6
92.5°	23.7	64.1	104.4	114.4	160.9	222.7	253.7	222.4	159.7	112.6	108.1
95°	56.9	130.7	204.4	222.8	395.7	626.2	741.5	661.6	502.0	382.3	368.7
97.5°	98.4	163.5	228.6	244.8	533.1	917.4	1109.5	1059.1	958.2	882.6	856.8
100°	130.4	189.4	248.5	263.2	583.1	1009.5	1222.7	1226.5	1233.8	1239.4	1208.6
102.5°	157.6	212.7	267.8	281.5	605.9	1038.5	1254.8	1319.0	1447.6	1544.0	1517.6
105°	203.9	250.6	297.1	308.8	622.9	1041.8	1251.2	1395.3	1683.4	1899.6	1885.4
107.5°	251.3	294.8	338.2	349.1	626.1	995.4	1180.1	1381.0	1783.0	2084.6	2088.0
110°	283.4	322.6	361.8	371.6	621.3	954.3	1120.8	1345.5	1794.9	2132.0	2146.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	314.7	352.1	389.5	398.8	621.5	918.4	1066.9	1296.9	1756.8	2101.8	2124.4
115°	362.1	396.6	431.2	439.8	627.2	877.2	1002.3	1223.8	1666.9	1999.2	2030.6
117.5°	409.0	440.3	471.7	479.5	639.0	851.5	957.8	1157.7	1557.6	1857.5	1892.3
120°	436.2	465.7	495.2	502.6	648.4	842.8	940.0	1122.7	1488.1	1762.1	1795.9
122.5°	462.9	492.7	522.5	529.9	662.0	838.2	926.4	1090.9	1419.9	1666.7	1700.1
125°	503.8	531.0	558.0	564.8	680.4	834.5	911.5	1051.3	1330.8	1540.4	1571.2
127.5°	537.0	564.4	591.8	598.6	698.8	832.4	899.1	1019.1	1259.1	1439.1	1465.0
130°	554.8	584.2	613.8	621.1	712.2	833.7	894.4	1001.2	1214.9	1375.1	1399.1
132.5°	573.1	602.7	632.2	639.6	723.1	834.5	890.2	985.8	1177.1	1320.5	1342.0
135°	600.4	627.2	654.2	660.9	735.0	833.7	883.2	963.3	1123.4	1243.5	1262.0
137.5°	628.3	654.9	681.4	688.1	752.8	838.9	881.9	949.6	1085.1	1186.6	1201.7
140°	651.4	675.9	700.4	706.5	763.6	839.8	877.8	936.3	1053.2	1141.0	1155.1
142.5°	669.2	691.9	714.5	720.2	772.7	842.8	877.8	929.1	1031.9	1109.0	1121.1
145°	696.4	716.2	735.9	740.9	784.6	842.8	871.9	913.9	998.0	1061.0	1070.1
147.5°	723.7	742.9	762.2	767.0	802.0	848.5	871.9	904.9	971.0	1020.6	1028.3
150°	741.5	758.9	776.3	780.6	811.0	851.6	871.9	899.8	955.6	997.5	1003.7
152.5°	759.8	773.0	786.2	789.5	816.9	853.5	871.9	895.7	943.4	979.1	983.8
155°	787.1	796.8	806.6	809.1	830.0	857.9	871.9	890.8	928.8	957.2	960.3
157.5°	807.2	816.7	826.2	828.6	843.0	862.2	871.9	886.6	916.1	938.2	940.4
160°	820.9	828.3	835.6	837.5	848.9	864.2	871.9	884.5	909.8	928.8	930.0
162.5°	834.5	840.0	845.6	847.0	855.3	866.3	871.9	882.6	903.9	919.9	921.0
165°	849.3	854.3	859.3	860.6	864.3	869.4	871.9	879.5	894.8	906.3	907.5
167.5°	863.0	865.4	867.8	868.3	871.5	875.7	877.8	882.8	892.8	900.4	900.8
170°	871.9	874.3	876.7	877.2	877.4	877.7	877.8	882.8	892.8	900.4	900.4
172.5°	876.7	877.1	877.7	877.8	877.8	877.8	877.8	881.7	889.7	895.6	895.1
175°	883.2	883.2	883.2	883.2	881.3	878.9	877.8	880.3	885.4	889.1	889.1
177.5°	883.2	883.2	883.2	883.2	881.7	879.9	878.9	881.0	884.9	887.8	887.4
180°	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8
2.5°	3507.2	3497.4	3507.2	3500.7	3503.9	3494.2	3465.1	3455.4	3465.1	3474.8	3474.8
5°	3549.2	3542.7	3549.2	3549.2	3546.0	3539.5	3507.2	3500.7	3507.2	3510.3	3503.9
7.5°	3562.2	3552.4	3562.2	3555.7	3555.7	3549.2	3516.8	3510.3	3513.6	3523.3	3513.6
10°	3562.2	3552.4	3562.2	3558.9	3555.7	3549.2	3516.8	3503.9	3503.9	3513.6	3503.9
12.5°	3546.0	3539.5	3546.0	3539.5	3539.5	3533.0	3500.7	3487.8	3490.9	3494.2	3481.3
15°	3520.1	3510.3	3520.1	3513.6	3516.8	3507.2	3471.5	3458.6	3458.6	3465.1	3442.5
17.5°	3481.3	3468.3	3481.3	3478.0	3474.8	3468.3	3436.0	3423.1	3419.8	3423.1	3406.8
20°	3436.0	3426.2	3436.0	3432.7	3432.7	3419.8	3387.4	3371.2	3371.2	3371.2	3355.1
22.5°	3364.7	3355.1	3364.7	3371.2	3371.2	3368.0	3338.9	3316.3	3309.8	3309.8	3290.4
25°	3283.9	3274.2	3283.9	3283.9	3280.7	3283.9	3274.2	3261.3	3251.5	3241.8	3222.4
27.5°	3206.2	3199.7	3206.2	3199.7	3206.2	3196.6	3193.3	3190.1	3177.2	3167.4	3141.5
30°	3128.6	3122.1	3128.6	3122.1	3115.7	3109.2	3093.0	3086.5	3099.4	3093.0	3051.0
32.5°	3031.6	3025.1	3031.6	3031.6	3025.1	3025.1	2999.2	2989.5	2992.8	3012.2	2973.4
35°	2931.3	2921.5	2931.3	2928.0	2931.3	2921.5	2905.4	2902.1	2889.2	2911.8	2882.7
37.5°	2814.8	2805.1	2814.8	2814.8	2814.8	2821.3	2808.3	2798.6	2779.2	2808.3	2785.7
40°	2695.1	2682.2	2695.1	2691.8	2695.1	2701.6	2695.1	2688.6	2669.2	2691.8	2672.4
42.5°	2559.2	2556.0	2559.2	2562.4	2562.4	2575.4	2585.0	2572.1	2565.6	2549.5	2562.4
45°	2413.6	2407.1	2413.6	2420.0	2423.3	2429.8	2458.9	2458.9	2449.2	2423.3	2442.7
47.5°	2258.3	2242.1	2258.3	2277.7	2277.7	2287.4	2316.5	2339.1	2323.0	2290.7	2300.3
50°	2093.3	2096.5	2093.3	2106.3	2106.3	2141.8	2164.5	2187.1	2203.3	2164.5	2119.2
52.5°	1931.5	1928.3	1931.5	1941.3	1954.2	1970.3	2009.1	2031.8	2057.7	2035.0	1963.9
55°	1769.7	1776.2	1769.7	1773.0	1779.5	1789.2	1847.4	1870.0	1918.6	1889.4	1815.1
57.5°	1608.0	1598.2	1608.0	1614.5	1617.6	1627.4	1676.0	1718.0	1747.1	1750.3	1659.7
60°	1420.3	1407.4	1420.3	1449.5	1455.9	1462.4	1507.7	1546.5	1572.4	1582.1	1488.3
62.5°	1255.3	1232.7	1255.3	1274.7	1287.6	1303.9	1336.2	1394.4	1417.1	1420.3	1287.6
65°	1080.6	1070.9	1080.6	1119.5	1122.6	1142.0	1177.7	1219.8	1268.2	1261.8	1070.9
67.5°	922.1	922.1	922.1	948.0	967.4	977.1	1022.3	1041.8	1103.2	1109.7	893.0
70°	776.5	773.2	776.5	795.9	808.9	831.5	873.6	896.2	944.7	960.9	724.7
72.5°	637.4	634.1	637.4	653.5	666.5	685.9	721.5	747.4	789.5	808.9	563.0
75°	514.4	507.9	514.4	527.3	524.2	550.0	579.1	605.1	643.9	656.8	417.4
77.5°	394.7	394.7	394.7	407.6	407.6	433.5	446.5	478.9	501.5	520.9	307.4
80°	294.4	291.2	294.4	297.7	297.7	310.6	333.3	355.9	375.3	375.3	210.3
82.5°	207.1	200.6	207.1	207.1	207.1	213.6	226.5	233.0	245.9	255.6	132.7
85°	129.4	129.4	129.4	132.7	129.4	135.8	139.1	145.6	145.6	139.1	80.9
87.5°	84.1	80.9	84.1	80.9	80.9	77.6	77.6	77.6	74.4	71.2	45.3
90°	22.6	22.6	22.6	22.6	22.6	30.0	40.1	45.0	38.7	26.1	16.6
92.5°	90.2	72.3	90.2	108.1	112.6	159.7	222.4	253.7	222.7	160.9	114.4
95°	314.5	260.2	314.5	368.7	382.3	502.0	661.6	741.5	626.2	395.7	222.8
97.5°	753.4	650.2	753.4	856.8	882.6	958.2	1059.1	1109.5	917.4	533.1	244.8
100°	1085.6	962.6	1085.6	1208.6	1239.4	1233.8	1226.5	1222.7	1009.5	583.1	263.2
102.5°	1412.3	1306.9	1412.3	1517.6	1544.0	1447.6	1319.0	1254.8	1038.5	605.9	281.5
105°	1828.7	1772.1	1828.7	1885.4	1899.6	1683.4	1395.3	1251.2	1041.8	622.9	308.8
107.5°	2101.7	2115.3	2101.7	2088.0	2084.6	1783.0	1381.0	1180.1	995.4	626.1	349.1
110°	2205.8	2264.8	2205.8	2146.7	2132.0	1794.9	1345.5	1120.8	954.3	621.3	371.6





TEST NUMBER: P934912

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2215.0	2305.6	2215.0	2124.4	2101.8	1756.8	1296.9	1066.9	918.4	621.5	398.8
115°	2156.3	2281.9	2156.3	2030.6	1999.2	1666.9	1223.8	1002.3	877.2	627.2	439.8
117.5°	2031.7	2171.1	2031.7	1892.3	1857.5	1557.6	1157.7	957.8	851.5	639.0	479.5
120°	1931.4	2066.8	1931.4	1795.9	1762.1	1488.1	1122.7	940.0	842.8	648.4	502.6
122.5°	1833.6	1967.2	1833.6	1700.1	1666.7	1419.9	1090.9	926.4	838.2	662.0	529.9
125°	1694.2	1817.3	1694.2	1571.2	1540.4	1330.8	1051.3	911.5	834.5	680.4	564.8
127.5°	1568.8	1672.6	1568.8	1465.0	1439.1	1259.1	1019.1	899.1	832.4	698.8	598.6
130°	1494.9	1590.8	1494.9	1399.1	1375.1	1214.9	1001.2	894.4	833.7	712.2	621.1
132.5°	1427.9	1513.7	1427.9	1342.0	1320.5	1177.1	985.8	890.2	834.5	723.1	639.6
135°	1336.0	1410.0	1336.0	1262.0	1243.5	1123.4	963.3	883.2	833.7	735.0	660.9
137.5°	1262.3	1322.9	1262.3	1201.7	1186.6	1085.1	949.6	881.9	838.9	752.8	688.1
140°	1211.8	1268.4	1211.8	1155.1	1141.0	1053.2	936.3	877.8	839.8	763.6	706.5
142.5°	1169.9	1218.6	1169.9	1121.1	1109.0	1031.9	929.1	877.8	842.8	772.7	720.2
145°	1107.0	1143.9	1107.0	1070.1	1061.0	998.0	913.9	871.9	842.8	784.6	740.9
147.5°	1058.8	1089.4	1058.8	1028.3	1020.6	971.0	904.9	871.9	848.5	802.0	767.0
150°	1028.5	1053.2	1028.5	1003.7	997.5	955.6	899.8	871.9	851.6	811.0	780.6
152.5°	1002.5	1021.2	1002.5	983.8	979.1	943.4	895.7	871.9	853.5	816.9	789.5
155°	972.7	985.1	972.7	960.3	957.2	928.8	890.8	871.9	857.9	830.0	809.1
157.5°	949.1	957.8	949.1	940.4	938.2	916.1	886.6	871.9	862.2	843.0	828.6
160°	935.1	940.0	935.1	930.0	928.8	909.8	884.5	871.9	864.2	848.9	837.5
162.5°	925.8	930.6	925.8	921.0	919.9	903.9	882.6	871.9	866.3	855.3	847.0
165°	912.5	917.5	912.5	907.5	906.3	894.8	879.5	871.9	869.4	864.3	860.6
167.5°	902.9	905.0	902.9	900.8	900.4	892.8	882.8	877.8	875.7	871.5	868.3
170°	900.4	900.4	900.4	900.4	900.4	892.8	882.8	877.8	877.7	877.4	877.2
172.5°	893.3	891.5	893.3	895.1	895.6	889.7	881.7	877.8	877.8	877.8	877.8
175°	889.1	889.1	889.1	889.1	889.1	885.4	880.3	877.8	878.9	881.3	883.2
177.5°	885.3	883.2	885.3	887.4	887.8	884.9	881.0	878.9	879.9	881.7	883.2
180°	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2



TEST NUMBER: P934912

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8
2.5°	3468.3	3448.9	3448.9	3416.6	3403.6	3393.9	3377.7	3329.2	3316.3	3303.3	3322.8
5°	3497.4	3461.9	3436.0	3377.7	3329.2	3309.8	3248.3	3131.9	3054.2	2995.9	2963.6
7.5°	3503.9	3458.6	3410.1	3319.5	3203.0	3151.3	2963.6	2750.0	2691.8	2640.1	2607.7
10°	3497.4	3445.7	3377.7	3241.8	2966.9	2876.2	2688.6	2549.5	2513.9	2504.1	2513.9
12.5°	3474.8	3426.2	3332.4	3105.9	2721.0	2659.5	2549.5	2468.6	2462.1	2478.3	2565.6
15°	3436.0	3390.6	3280.7	2924.8	2585.0	2539.8	2462.1	2433.0	2468.6	2581.9	2843.9
17.5°	3397.1	3345.3	3209.5	2746.9	2481.5	2449.2	2394.2	2452.4	2653.0	2805.1	2892.4
20°	3345.3	3283.9	3128.6	2617.4	2407.1	2378.0	2352.1	2614.2	2766.3	2821.3	2869.8
22.5°	3283.9	3219.2	3018.6	2526.8	2329.5	2306.8	2323.0	2704.8	2766.3	2805.1	2847.2
25°	3203.0	3148.0	2889.2	2455.7	2268.0	2242.1	2303.6	2695.1	2730.6	2740.4	2824.5
27.5°	3128.6	3057.4	2753.3	2391.0	2193.5	2183.9	2319.7	2653.0	2678.9	2688.6	2779.2
30°	3038.0	2931.3	2601.3	2323.0	2115.9	2112.7	2323.0	2601.3	2594.8	2620.7	2711.2
32.5°	2944.2	2743.6	2429.8	2238.9	2041.5	2038.3	2300.3	2523.6	2517.1	2552.7	2620.7
35°	2856.8	2598.0	2196.8	2141.8	1947.7	1950.9	2245.4	2433.0	2436.3	2468.6	2510.6
37.5°	2766.3	2471.8	1941.3	2035.0	1857.1	1857.1	2170.9	2348.9	2342.4	2352.1	2410.4
40°	2659.5	2274.4	1714.8	1895.9	1773.0	1763.2	2080.4	2258.3	2235.6	2232.5	2313.3
42.5°	2546.2	2057.7	1546.5	1711.5	1676.0	1663.0	1970.3	2148.3	2106.3	2115.9	2219.4
45°	2423.3	1999.5	1417.1	1446.2	1575.6	1565.9	1850.6	2022.1	1993.0	2018.9	2125.7
47.5°	2300.3	1882.9	1375.0	1200.4	1468.9	1465.6	1718.0	1899.2	1882.9	1908.8	2022.1
50°	2132.1	1753.6	1371.8	1028.8	1349.1	1362.1	1559.4	1779.5	1779.5	1802.1	1921.8
52.5°	1915.3	1595.0	1245.6	931.8	1210.0	1248.8	1420.3	1676.0	1682.4	1705.0	1811.8
55°	1718.0	1430.1	1155.0	857.3	1045.0	1129.1	1284.5	1569.2	1582.1	1604.7	1701.8
57.5°	1536.8	1190.6	1135.6	770.1	893.0	973.9	1164.7	1465.6	1472.0	1491.6	1585.3
60°	1342.7	860.6	1041.8	676.2	760.3	821.8	1054.8	1342.7	1365.4	1378.3	1459.1
62.5°	1122.6	624.5	944.7	611.5	695.6	708.6	964.1	1226.2	1255.3	1265.1	1313.5
65°	799.1	524.2	802.4	556.5	627.6	630.9	867.1	1106.5	1132.4	1148.5	1184.1
67.5°	540.3	427.0	611.5	504.7	575.9	579.1	773.2	967.4	1002.9	1015.9	1038.6
70°	375.3	284.7	453.0	449.7	517.7	524.2	672.9	841.2	873.6	883.2	896.2
72.5°	275.0	229.7	375.3	404.4	456.2	462.7	569.4	698.8	731.1	740.9	747.4
75°	210.3	242.6	304.1	352.7	388.2	391.5	465.9	569.4	592.1	598.6	601.8
77.5°	168.3	226.5	223.2	284.7	317.1	310.6	365.6	440.0	459.5	459.5	459.5
80°	126.2	177.9	168.3	203.8	233.0	226.5	262.0	313.9	320.3	326.8	323.5
82.5°	93.8	113.2	113.2	129.4	155.3	148.8	174.8	203.8	203.8	203.8	210.3
85°	58.2	64.7	51.7	68.0	87.4	84.1	97.0	110.0	113.2	113.2	106.8
87.5°	35.6	29.2	16.2	25.9	38.8	38.8	45.3	48.6	45.3	45.3	45.3
90°	15.5	10.7	5.9	10.7	15.5	16.6	26.1	38.7	45.0	40.1	30.0
92.5°	104.4	64.1	23.7	64.1	104.4	114.4	160.9	222.7	253.7	222.4	159.7
95°	204.4	130.7	56.9	130.7	204.4	222.8	395.7	626.2	741.5	661.6	502.0
97.5°	228.6	163.5	98.4	163.5	228.6	244.8	533.1	917.4	1109.5	1059.1	958.2
100°	248.5	189.4	130.4	189.4	248.5	263.2	583.1	1009.5	1222.7	1226.5	1233.8
102.5°	267.8	212.7	157.6	212.7	267.8	281.5	605.9	1038.5	1254.8	1319.0	1447.6
105°	297.1	250.6	203.9	250.6	297.1	308.8	622.9	1041.8	1251.2	1395.3	1683.4
107.5°	338.2	294.8	251.3	294.8	338.2	349.1	626.1	995.4	1180.1	1381.0	1783.0
110°	361.8	322.6	283.4	322.6	361.8	371.6	621.3	954.3	1120.8	1345.5	1794.9



TEST NUMBER: P934912

CATALOG NUMBER: SQ4-FA-075U-125D-830-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	389.5	352.1	314.7	352.1	389.5	398.8	621.5	918.4	1066.9	1296.9	1756.8
115°	431.2	396.6	362.1	396.6	431.2	439.8	627.2	877.2	1002.3	1223.8	1666.9
117.5°	471.7	440.3	409.0	440.3	471.7	479.5	639.0	851.5	957.8	1157.7	1557.6
120°	495.2	465.7	436.2	465.7	495.2	502.6	648.4	842.8	940.0	1122.7	1488.1
122.5°	522.5	492.7	462.9	492.7	522.5	529.9	662.0	838.2	926.4	1090.9	1419.9
125°	558.0	531.0	503.8	531.0	558.0	564.8	680.4	834.5	911.5	1051.3	1330.8
127.5°	591.8	564.4	537.0	564.4	591.8	598.6	698.8	832.4	899.1	1019.1	1259.1
130°	613.8	584.2	554.8	584.2	613.8	621.1	712.2	833.7	894.4	1001.2	1214.9
132.5°	632.2	602.7	573.1	602.7	632.2	639.6	723.1	834.5	890.2	985.8	1177.1
135°	654.2	627.2	600.4	627.2	654.2	660.9	735.0	833.7	883.2	963.3	1123.4
137.5°	681.4	654.9	628.3	654.9	681.4	688.1	752.8	838.9	881.9	949.6	1085.1
140°	700.4	675.9	651.4	675.9	700.4	706.5	763.6	839.8	877.8	936.3	1053.2
142.5°	714.5	691.9	669.2	691.9	714.5	720.2	772.7	842.8	877.8	929.1	1031.9
145°	735.9	716.2	696.4	716.2	735.9	740.9	784.6	842.8	871.9	913.9	998.0
147.5°	762.2	742.9	723.7	742.9	762.2	767.0	802.0	848.5	871.9	904.9	971.0
150°	776.3	758.9	741.5	758.9	776.3	780.6	811.0	851.6	871.9	899.8	955.6
152.5°	786.2	773.0	759.8	773.0	786.2	789.5	816.9	853.5	871.9	895.7	943.4
155°	806.6	796.8	787.1	796.8	806.6	809.1	830.0	857.9	871.9	890.8	928.8
157.5°	826.2	816.7	807.2	816.7	826.2	828.6	843.0	862.2	871.9	886.6	916.1
160°	835.6	828.3	820.9	828.3	835.6	837.5	848.9	864.2	871.9	884.5	909.8
162.5°	845.6	840.0	834.5	840.0	845.6	847.0	855.3	866.3	871.9	882.6	903.9
165°	859.3	854.3	849.3	854.3	859.3	860.6	864.3	869.4	871.9	879.5	894.8
167.5°	867.8	865.4	863.0	865.4	867.8	868.3	871.5	875.7	877.8	882.8	892.8
170°	876.7	874.3	871.9	874.3	876.7	877.2	877.4	877.7	877.8	882.8	892.8
172.5°	877.7	877.1	876.7	877.1	877.7	877.8	877.8	877.8	877.8	881.7	889.7
175°	883.2	883.2	883.2	883.2	883.2	883.2	881.3	878.9	877.8	880.3	885.4
177.5°	883.2	883.2	883.2	883.2	883.2	883.2	881.7	879.9	878.9	881.0	884.9
180°	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2



TEST NUMBER: P934912  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8
2.5°	3300.1	3290.4	3303.3	3267.7	3303.3	3290.4	3300.1	3322.8	3303.3	3316.3	3329.2
5°	2895.6	2879.5	2827.8	2785.7	2827.8	2879.5	2895.6	2963.6	2995.9	3054.2	3131.9
7.5°	2588.3	2575.4	2562.4	2536.6	2562.4	2575.4	2588.3	2607.7	2640.1	2691.8	2750.0
10°	2520.4	2523.6	2543.0	2539.8	2543.0	2523.6	2520.4	2513.9	2504.1	2513.9	2549.5
12.5°	2695.1	2724.2	2830.9	2824.5	2830.9	2724.2	2695.1	2565.6	2478.3	2462.1	2468.6
15°	2895.6	2905.4	2928.0	2931.3	2928.0	2905.4	2895.6	2843.9	2581.9	2468.6	2433.0
17.5°	2915.0	2918.3	2934.4	2934.4	2934.4	2918.3	2915.0	2892.4	2805.1	2653.0	2452.4
20°	2898.9	2905.4	2937.7	2944.2	2937.7	2905.4	2898.9	2869.8	2821.3	2766.3	2614.2
22.5°	2892.4	2905.4	2931.3	2928.0	2931.3	2905.4	2892.4	2847.2	2805.1	2766.3	2704.8
25°	2860.1	2860.1	2863.3	2866.6	2863.3	2860.1	2860.1	2824.5	2740.4	2730.6	2695.1
27.5°	2792.1	2798.6	2818.0	2814.8	2818.0	2798.6	2792.1	2779.2	2688.6	2678.9	2653.0
30°	2730.6	2724.2	2708.0	2695.1	2708.0	2724.2	2730.6	2711.2	2620.7	2594.8	2601.3
32.5°	2627.1	2610.9	2594.8	2585.0	2594.8	2610.9	2627.1	2620.7	2552.7	2517.1	2523.6
35°	2504.1	2507.4	2504.1	2494.5	2504.1	2507.4	2504.1	2510.6	2468.6	2436.3	2433.0
37.5°	2416.9	2423.3	2420.0	2407.1	2420.0	2423.3	2416.9	2410.4	2352.1	2342.4	2348.9
40°	2326.2	2329.5	2326.2	2316.5	2326.2	2329.5	2326.2	2313.3	2232.5	2235.6	2258.3
42.5°	2238.9	2235.6	2226.0	2219.4	2226.0	2235.6	2238.9	2219.4	2115.9	2106.3	2148.3
45°	2138.6	2141.8	2122.4	2112.7	2122.4	2141.8	2138.6	2125.7	2018.9	1993.0	2022.1
47.5°	2038.3	2038.3	2022.1	2012.4	2022.1	2038.3	2038.3	2022.1	1908.8	1882.9	1899.2
50°	1931.5	1928.3	1905.6	1902.4	1905.6	1928.3	1931.5	1921.8	1802.1	1779.5	1779.5
52.5°	1808.6	1808.6	1811.8	1818.3	1811.8	1808.6	1808.6	1811.8	1705.0	1682.4	1676.0
55°	1701.8	1705.0	1727.7	1734.2	1727.7	1705.0	1701.8	1701.8	1604.7	1582.1	1569.2
57.5°	1591.8	1591.8	1608.0	1608.0	1608.0	1591.8	1591.8	1585.3	1491.6	1472.0	1465.6
60°	1465.6	1472.0	1485.1	1481.8	1485.1	1472.0	1465.6	1459.1	1378.3	1365.4	1342.7
62.5°	1333.0	1339.5	1342.7	1336.2	1342.7	1339.5	1333.0	1313.5	1265.1	1255.3	1226.2
65°	1193.9	1200.4	1203.6	1197.1	1203.6	1200.4	1193.9	1184.1	1148.5	1132.4	1106.5
67.5°	1051.5	1048.3	1045.0	1058.0	1045.0	1048.3	1051.5	1038.6	1015.9	1002.9	967.4
70°	905.9	905.9	902.7	909.2	902.7	905.9	905.9	896.2	883.2	873.6	841.2
72.5°	750.7	747.4	760.3	750.7	760.3	747.4	750.7	747.4	740.9	731.1	698.8
75°	598.6	605.1	598.6	608.2	598.6	605.1	598.6	601.8	598.6	592.1	569.4
77.5°	456.2	462.7	456.2	456.2	456.2	462.7	456.2	459.5	459.5	459.5	440.0
80°	323.5	320.3	320.3	317.1	320.3	320.3	323.5	323.5	326.8	320.3	313.9
82.5°	207.1	203.8	203.8	210.3	203.8	203.8	207.1	210.3	203.8	203.8	203.8
85°	113.2	116.4	110.0	110.0	110.0	116.4	113.2	106.8	113.2	113.2	110.0
87.5°	42.1	38.8	38.8	38.8	38.8	38.8	42.1	45.3	45.3	45.3	48.6
90°	22.6	22.6	22.6	22.6	22.6	22.6	22.6	30.0	40.1	45.0	38.7
92.5°	112.6	108.1	90.2	72.3	90.2	108.1	112.6	159.7	222.4	253.7	222.7
95°	382.3	368.7	314.5	260.2	314.5	368.7	382.3	502.0	661.6	741.5	626.2
97.5°	882.6	856.8	753.4	650.2	753.4	856.8	882.6	958.2	1059.1	1109.5	917.4
100°	1239.4	1208.6	1085.6	962.6	1085.6	1208.6	1239.4	1233.8	1226.5	1222.7	1009.5
102.5°	1544.0	1517.6	1412.3	1306.9	1412.3	1517.6	1544.0	1447.6	1319.0	1254.8	1038.5
105°	1899.6	1885.4	1828.7	1772.1	1828.7	1885.4	1899.6	1683.4	1395.3	1251.2	1041.8
107.5°	2084.6	2088.0	2101.7	2115.3	2101.7	2088.0	2084.6	1783.0	1381.0	1180.1	995.4
110°	2132.0	2146.7	2205.8	2264.8	2205.8	2146.7	2132.0	1794.9	1345.5	1120.8	954.3



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2101.8	2124.4	2215.0	2305.6	2215.0	2124.4	2101.8	1756.8	1296.9	1066.9	918.4
115°	1999.2	2030.6	2156.3	2281.9	2156.3	2030.6	1999.2	1666.9	1223.8	1002.3	877.2
117.5°	1857.5	1892.3	2031.7	2171.1	2031.7	1892.3	1857.5	1557.6	1157.7	957.8	851.5
120°	1762.1	1795.9	1931.4	2066.8	1931.4	1795.9	1762.1	1488.1	1122.7	940.0	842.8
122.5°	1666.7	1700.1	1833.6	1967.2	1833.6	1700.1	1666.7	1419.9	1090.9	926.4	838.2
125°	1540.4	1571.2	1694.2	1817.3	1694.2	1571.2	1540.4	1330.8	1051.3	911.5	834.5
127.5°	1439.1	1465.0	1568.8	1672.6	1568.8	1465.0	1439.1	1259.1	1019.1	899.1	832.4
130°	1375.1	1399.1	1494.9	1590.8	1494.9	1399.1	1375.1	1214.9	1001.2	894.4	833.7
132.5°	1320.5	1342.0	1427.9	1513.7	1427.9	1342.0	1320.5	1177.1	985.8	890.2	834.5
135°	1243.5	1262.0	1336.0	1410.0	1336.0	1262.0	1243.5	1123.4	963.3	883.2	833.7
137.5°	1186.6	1201.7	1262.3	1322.9	1262.3	1201.7	1186.6	1085.1	949.6	881.9	838.9
140°	1141.0	1155.1	1211.8	1268.4	1211.8	1155.1	1141.0	1053.2	936.3	877.8	839.8
142.5°	1109.0	1121.1	1169.9	1218.6	1169.9	1121.1	1109.0	1031.9	929.1	877.8	842.8
145°	1061.0	1070.1	1107.0	1143.9	1107.0	1070.1	1061.0	998.0	913.9	871.9	842.8
147.5°	1020.6	1028.3	1058.8	1089.4	1058.8	1028.3	1020.6	971.0	904.9	871.9	848.5
150°	997.5	1003.7	1028.5	1053.2	1028.5	1003.7	997.5	955.6	899.8	871.9	851.6
152.5°	979.1	983.8	1002.5	1021.2	1002.5	983.8	979.1	943.4	895.7	871.9	853.5
155°	957.2	960.3	972.7	985.1	972.7	960.3	957.2	928.8	890.8	871.9	857.9
157.5°	938.2	940.4	949.1	957.8	949.1	940.4	938.2	916.1	886.6	871.9	862.2
160°	928.8	930.0	935.1	940.0	935.1	930.0	928.8	909.8	884.5	871.9	864.2
162.5°	919.9	921.0	925.8	930.6	925.8	921.0	919.9	903.9	882.6	871.9	866.3
165°	906.3	907.5	912.5	917.5	912.5	907.5	906.3	894.8	879.5	871.9	869.4
167.5°	900.4	900.8	902.9	905.0	902.9	900.8	900.4	892.8	882.8	877.8	875.7
170°	900.4	900.4	900.4	900.4	900.4	900.4	900.4	892.8	882.8	877.8	877.7
172.5°	895.6	895.1	893.3	891.5	893.3	895.1	895.6	889.7	881.7	877.8	877.8
175°	889.1	889.1	889.1	889.1	889.1	889.1	889.1	885.4	880.3	877.8	878.9
177.5°	887.8	887.4	885.3	883.2	885.3	887.4	887.8	884.9	881.0	878.9	879.9
180°	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2	883.2



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3419.8	3419.8	3419.8	3419.8	3419.8
2.5°	3377.7	3393.9	3403.6	3416.6	3448.9
5°	3248.3	3309.8	3329.2	3377.7	3436.0
7.5°	2963.6	3151.3	3203.0	3319.5	3410.1
10°	2688.6	2876.2	2966.9	3241.8	3377.7
12.5°	2549.5	2659.5	2721.0	3105.9	3332.4
15°	2462.1	2539.8	2585.0	2924.8	3280.7
17.5°	2394.2	2449.2	2481.5	2746.9	3209.5
20°	2352.1	2378.0	2407.1	2617.4	3128.6
22.5°	2323.0	2306.8	2329.5	2526.8	3018.6
25°	2303.6	2242.1	2268.0	2455.7	2889.2
27.5°	2319.7	2183.9	2193.5	2391.0	2753.3
30°	2323.0	2112.7	2115.9	2323.0	2601.3
32.5°	2300.3	2038.3	2041.5	2238.9	2429.8
35°	2245.4	1950.9	1947.7	2141.8	2196.8
37.5°	2170.9	1857.1	1857.1	2035.0	1941.3
40°	2080.4	1763.2	1773.0	1895.9	1714.8
42.5°	1970.3	1663.0	1676.0	1711.5	1546.5
45°	1850.6	1565.9	1575.6	1446.2	1417.1
47.5°	1718.0	1465.6	1468.9	1200.4	1375.0
50°	1559.4	1362.1	1349.1	1028.8	1371.8
52.5°	1420.3	1248.8	1210.0	931.8	1245.6
55°	1284.5	1129.1	1045.0	857.3	1155.0
57.5°	1164.7	973.9	893.0	770.1	1135.6
60°	1054.8	821.8	760.3	676.2	1041.8
62.5°	964.1	708.6	695.6	611.5	944.7
65°	867.1	630.9	627.6	556.5	802.4
67.5°	773.2	579.1	575.9	504.7	611.5
70°	672.9	524.2	517.7	449.7	453.0
72.5°	569.4	462.7	456.2	404.4	375.3
75°	465.9	391.5	388.2	352.7	304.1
77.5°	365.6	310.6	317.1	284.7	223.2
80°	262.0	226.5	233.0	203.8	168.3
82.5°	174.8	148.8	155.3	129.4	113.2
85°	97.0	84.1	87.4	68.0	51.7
87.5°	45.3	38.8	38.8	25.9	16.2
90°	26.1	16.6	15.5	10.7	5.9
92.5°	160.9	114.4	104.4	64.1	23.7
95°	395.7	222.8	204.4	130.7	56.9
97.5°	533.1	244.8	228.6	163.5	98.4
100°	583.1	263.2	248.5	189.4	130.4
102.5°	605.9	281.5	267.8	212.7	157.6
105°	622.9	308.8	297.1	250.6	203.9
107.5°	626.1	349.1	338.2	294.8	251.3
110°	621.3	371.6	361.8	322.6	283.4



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	621.5	398.8	389.5	352.1	314.7
115°	627.2	439.8	431.2	396.6	362.1
117.5°	639.0	479.5	471.7	440.3	409.0
120°	648.4	502.6	495.2	465.7	436.2
122.5°	662.0	529.9	522.5	492.7	462.9
125°	680.4	564.8	558.0	531.0	503.8
127.5°	698.8	598.6	591.8	564.4	537.0
130°	712.2	621.1	613.8	584.2	554.8
132.5°	723.1	639.6	632.2	602.7	573.1
135°	735.0	660.9	654.2	627.2	600.4
137.5°	752.8	688.1	681.4	654.9	628.3
140°	763.6	706.5	700.4	675.9	651.4
142.5°	772.7	720.2	714.5	691.9	669.2
145°	784.6	740.9	735.9	716.2	696.4
147.5°	802.0	767.0	762.2	742.9	723.7
150°	811.0	780.6	776.3	758.9	741.5
152.5°	816.9	789.5	786.2	773.0	759.8
155°	830.0	809.1	806.6	796.8	787.1
157.5°	843.0	828.6	826.2	816.7	807.2
160°	848.9	837.5	835.6	828.3	820.9
162.5°	855.3	847.0	845.6	840.0	834.5
165°	864.3	860.6	859.3	854.3	849.3
167.5°	871.5	868.3	867.8	865.4	863.0
170°	877.4	877.2	876.7	874.3	871.9
172.5°	877.8	877.8	877.7	877.1	876.7
175°	881.3	883.2	883.2	883.2	883.2
177.5°	881.7	883.2	883.2	883.2	883.2
180°	883.2	883.2	883.2	883.2	883.2



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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	15.35	16.32	16.21	17.20	18.31	18.19	19.15	19.05	20.04	21.14
	3H	15.84	16.70	16.71	17.59	18.73	19.54	20.41	20.42	21.30	22.44
	4H	16.03	16.85	16.92	17.75	18.89	19.99	20.81	20.88	21.71	22.86
	6H	16.16	16.91	17.05	17.81	18.97	20.29	21.04	21.19	21.95	23.10
	8H	16.16	16.88	17.07	17.80	18.96	20.37	21.08	21.27	22.01	23.16
	12H	16.13	16.82	17.05	17.73	18.92	20.41	21.09	21.32	22.01	23.19
4H	2H	16.40	17.22	17.29	18.11	19.26	18.61	19.43	19.50	20.33	21.47
	3H	17.43	18.12	18.34	19.05	20.21	20.13	20.81	21.03	21.74	22.90
	4H	17.72	18.34	18.63	19.26	20.45	20.66	21.28	21.58	22.21	23.39
	6H	17.85	18.38	18.78	19.33	20.52	21.04	21.57	21.96	22.52	23.71
	8H	17.85	18.36	18.79	19.30	20.50	21.15	21.65	22.08	22.59	23.79
	12H	17.83	18.28	18.78	19.24	20.44	21.21	21.66	22.16	22.62	23.83
8H	4H	18.18	18.68	19.11	19.62	20.82	20.79	21.30	21.73	22.24	23.44
	6H	18.44	18.86	19.40	19.84	21.04	21.24	21.65	22.20	22.64	23.84
	8H	18.49	18.85	19.46	19.83	21.05	21.39	21.76	22.36	22.73	23.95
	12H	18.48	18.80	19.45	19.77	21.03	21.50	21.82	22.47	22.79	24.05
12H	4H	18.19	18.64	19.14	19.60	20.81	20.76	21.22	21.72	22.18	23.38
	6H	18.51	18.87	19.47	19.85	21.06	21.24	21.60	22.20	22.58	23.79
	8H	18.58	18.90	19.55	19.87	21.13	21.40	21.73	22.37	22.69	23.96