

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: P935399

Luminaire Tested: SQ4-FA-100U-125D-B35-1D-UNV-STD-W-6

Issue Date: 12/17/2024

**Test Information**

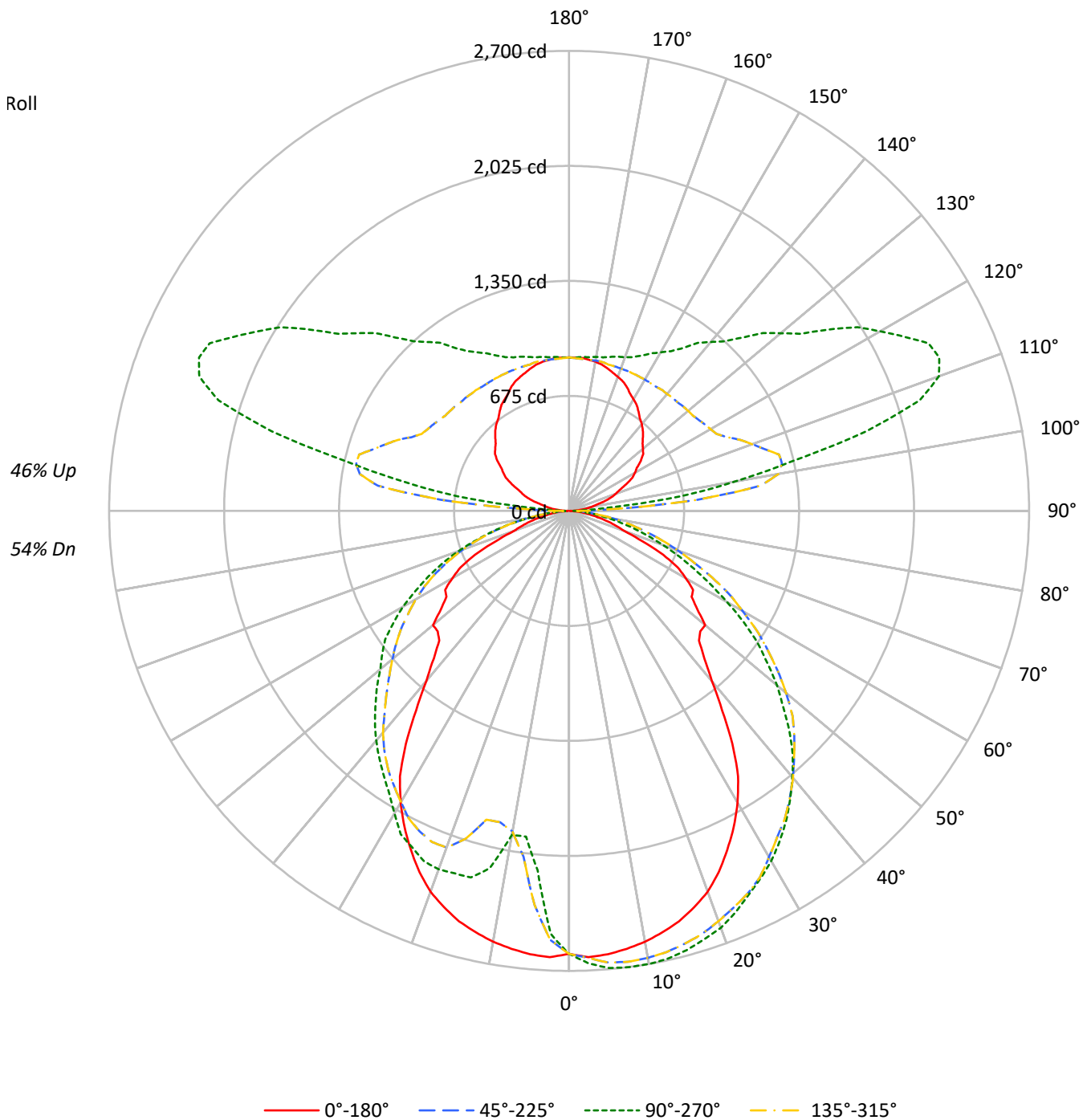
Test Method: LM-79-2019  
Report Number: P935399  
REPORT IS A COMBINATION OF REPORTS P933751 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-125D-B35-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12583.4 lumens  
Efficiency: N/A  
Efficacy: 121.9 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 103.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	54			
1	99	94	90	87	91	88	84	81	75	73	70	63	62	60	53	51	50	45			
2	90	82	76	71	83	77	71	67	66	62	58	56	53	50	46	44	42	38			
3	82	72	65	59	76	67	61	56	58	53	49	49	46	42	41	38	36	32			
4	75	64	56	50	69	60	53	47	51	46	42	44	40	36	37	34	31	28			
5	69	57	49	43	64	53	46	41	46	40	36	39	35	31	33	30	27	24			
6	63	51	43	37	59	48	41	35	41	36	31	35	31	28	30	26	24	21			
7	59	46	38	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19			
8	54	42	34	29	50	39	32	27	34	29	24	29	25	22	25	22	19	17			
9	51	38	31	26	47	36	29	24	31	26	22	27	23	19	23	20	17	15			
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	21	18	15	13			

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

	0°	90°	180°	270°
0°	16082	16082	16082	16082
5°	16196	16233	16196	12765
10°	16082	15991	16082	11432
15°	15901	15645	15901	13063
20°	15562	15234	15562	13091
25°	14875	14636	14875	12813
30°	13990	14139	13990	12205
35°	12466	13510	12466	11535
40°	10381	12770	10381	11030
45°	9269	11904	9269	10448
50°	9840	10870	9840	9864
55°	9249	9757	9249	9526
60°	9524	8287	9524	8726
65°	8621	6851	8621	7658
70°	5955	5459	5955	6419
75°	5202	4035	5202	4833
80°	4163	2667	4163	2905
85°	2343	1413	2343	1201

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14216 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	234.7	1.9
10°-20°	666.3	5.3
20°-30°	1029.9	8.2
30°-40°	1229.5	9.8
40°-50°	1236.7	9.8
50°-60°	1076.1	8.6
60°-70°	763.0	6.1
70°-80°	403.7	3.2
80°-90°	104.0	0.8
90°-100°	439.1	3.5
100°-110°	1154.4	9.2
110°-120°	1197.0	9.5
120°-130°	960.2	7.6
130°-140°	753.4	6.0
140°-150°	578.2	4.6
150°-160°	416.4	3.3
160°-170°	254.8	2.0
170°-180°	86.1	0.7
0°-30°	1930.9	15.3
0°-40°	3160.4	25.1
0°-60°	5473.2	43.5
0°-90°	6743.8	53.6
90°-120°	2790.5	22.2
90°-150°	5082.3	40.4
90°-180°	5840.0	46.4
0°-180°	12583.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2600	2600	2600	2600	2600	
5°	2612	2693	2612	2118	2612	248
15°	2494	2668	2494	2228	2494	702
25°	2196	2489	2196	2179	2196	1008
35°	1670	2221	1670	1896	1670	1033
45°	1077	1830	1077	1606	1077	863
55°	878	1350	878	1318	878	807
65°	610	814	610	910	610	583
75°	231	386	231	462	231	243
85°	39	98	39	84	39	53
90°	6	23	6	23	6	7
95°	58	265	58	265	58	64
105°	208	1808	208	1808	208	220
115°	369	2328	369	2328	369	365
125°	514	1854	514	1854	514	456
135°	612	1438	612	1438	612	474
145°	710	1167	710	1167	710	445
155°	803	1005	803	1005	803	369
165°	866	936	866	936	866	244
175°	901	907	901	907	901	86
180°	901	901	901	901	901	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6
2.5°	2621.7	2621.7	2636.6	2641.4	2641.4	2634.0	2626.7	2634.0	2656.2	2663.6	2661.1
5°	2611.9	2631.6	2658.6	2663.6	2668.5	2666.0	2661.1	2666.0	2690.6	2695.6	2698.0
7.5°	2592.3	2629.1	2663.6	2671.0	2678.3	2671.0	2668.5	2673.4	2698.0	2702.9	2702.9
10°	2567.7	2619.3	2658.6	2663.6	2671.0	2663.6	2663.6	2673.4	2698.0	2702.9	2705.4
12.5°	2533.3	2604.6	2641.4	2646.3	2656.2	2653.7	2651.3	2661.1	2685.7	2690.6	2690.6
15°	2493.9	2577.4	2611.9	2616.9	2634.0	2629.1	2629.1	2639.0	2666.0	2673.4	2671.0
17.5°	2439.7	2543.0	2582.4	2589.7	2602.1	2599.6	2602.1	2611.9	2636.6	2641.4	2643.9
20°	2378.3	2496.3	2543.0	2550.4	2562.7	2562.7	2562.7	2575.0	2599.6	2609.4	2609.4
22.5°	2294.7	2447.1	2496.3	2501.3	2516.0	2516.0	2521.0	2538.1	2560.3	2562.7	2562.7
25°	2196.2	2393.0	2434.8	2449.6	2464.4	2471.7	2479.1	2489.0	2496.3	2493.9	2496.3
27.5°	2092.9	2324.1	2378.3	2388.1	2407.8	2415.1	2425.0	2427.4	2430.0	2437.3	2432.4
30°	1977.3	2228.2	2309.4	2319.2	2351.2	2356.1	2346.3	2351.2	2363.5	2368.4	2373.4
32.5°	1847.0	2085.6	2238.1	2260.2	2289.7	2275.0	2272.5	2279.9	2299.5	2299.5	2304.5
35°	1670.0	1974.9	2171.7	2191.4	2213.5	2196.2	2206.1	2208.5	2220.9	2228.2	2225.8
37.5°	1475.7	1879.0	2102.8	2117.6	2134.8	2112.6	2127.4	2134.8	2144.6	2139.7	2139.7
40°	1303.5	1729.0	2021.6	2031.5	2046.2	2029.0	2043.8	2048.8	2053.6	2048.8	2046.2
42.5°	1175.6	1564.2	1935.6	1947.9	1938.0	1950.3	1955.2	1965.1	1957.7	1947.9	1947.9
45°	1077.2	1520.0	1842.1	1856.9	1842.1	1861.8	1869.2	1869.2	1847.0	1842.1	1839.6
47.5°	1045.3	1431.4	1748.7	1748.7	1741.3	1765.9	1778.2	1761.0	1738.8	1731.4	1731.4
50°	1042.8	1333.1	1620.7	1611.0	1645.4	1674.9	1662.6	1645.4	1628.1	1601.1	1601.1
52.5°	946.9	1212.5	1456.0	1492.8	1547.0	1564.2	1544.5	1527.3	1497.8	1485.5	1475.7
55°	878.0	1087.0	1305.9	1379.8	1436.3	1458.4	1421.5	1404.4	1360.1	1352.7	1347.8
57.5°	863.3	905.0	1168.2	1261.7	1330.5	1328.1	1305.9	1273.9	1237.1	1229.8	1227.2
60°	792.0	654.2	1020.6	1131.3	1202.6	1195.3	1175.6	1146.1	1111.6	1106.8	1101.8
62.5°	718.1	474.7	853.4	978.9	1079.7	1077.2	1060.0	1015.7	991.2	978.9	969.0
65°	610.0	398.5	607.5	814.1	959.2	964.1	927.2	895.3	868.2	853.4	851.0
67.5°	464.8	324.6	410.8	678.8	843.6	838.7	792.0	777.1	742.7	735.4	720.6
70°	344.3	216.5	285.3	550.9	730.4	718.1	681.3	664.1	632.1	614.8	605.0
72.5°	285.3	174.6	209.0	427.9	614.8	600.1	568.1	548.5	521.4	506.7	496.8
75°	231.2	184.5	159.9	317.3	499.2	489.4	459.9	440.2	418.1	398.5	400.9
77.5°	169.7	172.2	127.9	233.6	395.9	381.2	364.0	339.4	329.6	309.9	309.9
80°	127.9	135.3	95.9	159.9	285.3	285.3	270.5	253.3	236.1	226.3	226.3
82.5°	86.0	86.0	71.3	100.9	194.3	186.9	177.0	172.2	162.3	157.4	157.4
85°	39.3	49.2	44.3	61.5	105.7	110.7	110.7	105.7	103.3	98.4	100.9
87.5°	12.3	22.1	27.0	34.4	54.1	56.6	59.0	59.0	59.0	61.5	61.5
90°	6.0	10.9	15.7	17.0	26.6	39.5	45.9	40.8	30.6	23.0	23.0
92.5°	24.2	65.3	106.4	116.7	164.1	227.1	258.7	226.7	162.8	114.8	110.3
95°	58.0	133.2	208.5	227.3	403.7	638.8	756.3	674.9	512.0	389.9	376.1
97.5°	100.4	166.8	233.1	249.7	543.7	935.8	1131.8	1080.3	977.4	900.2	873.8
100°	133.0	193.2	253.4	268.4	594.7	1029.7	1247.2	1251.0	1258.5	1264.2	1232.8
102.5°	160.9	217.1	273.2	287.2	618.1	1059.3	1279.9	1345.5	1476.6	1574.9	1548.1
105°	207.9	255.5	303.1	315.0	635.5	1062.7	1276.3	1423.3	1717.2	1937.6	1923.2
107.5°	256.3	300.7	345.1	356.1	638.7	1015.3	1203.7	1408.7	1818.7	2126.3	2129.8
110°	289.0	329.0	369.1	379.1	633.8	973.5	1143.2	1372.4	1830.8	2174.6	2189.6



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	321.0	359.2	397.4	406.9	634.0	936.8	1088.2	1322.8	1792.0	2143.8	2166.9
115°	369.4	404.6	439.7	448.6	639.8	894.8	1022.3	1248.3	1700.3	2039.3	2071.3
117.5°	417.2	449.1	481.1	489.1	651.7	868.5	976.9	1180.9	1588.8	1894.7	1930.2
120°	445.0	475.1	505.1	512.7	661.4	859.7	958.8	1145.2	1517.8	1797.4	1831.9
122.5°	472.2	502.5	532.9	540.5	675.3	855.0	945.0	1112.8	1448.4	1700.0	1734.1
125°	513.9	541.6	569.3	576.2	694.1	851.3	929.9	1072.4	1357.5	1571.3	1602.7
127.5°	547.8	575.7	603.7	610.7	712.8	849.0	917.2	1039.5	1284.3	1467.9	1494.4
130°	565.9	596.0	626.1	633.6	726.6	850.4	912.3	1021.2	1239.2	1402.6	1427.0
132.5°	584.6	614.7	644.8	652.3	737.6	851.3	908.0	1005.6	1200.7	1347.0	1368.9
135°	612.4	639.8	667.3	674.1	749.7	850.4	900.8	982.5	1145.8	1268.4	1287.3
137.5°	640.8	667.9	695.2	701.9	767.8	855.7	899.6	968.7	1106.8	1210.4	1225.8
140°	664.4	689.4	714.4	720.6	778.9	856.5	895.4	955.0	1074.3	1163.8	1178.2
142.5°	682.6	705.7	728.8	734.6	788.2	859.6	895.4	947.8	1052.5	1131.1	1143.5
145°	710.4	730.5	750.7	755.7	800.3	859.7	889.3	932.2	1017.9	1082.2	1091.6
147.5°	738.2	757.8	777.3	782.3	817.9	865.5	889.3	923.1	990.5	1041.1	1048.8
150°	756.3	774.0	791.8	796.2	827.2	868.6	889.3	917.8	974.7	1017.4	1023.7
152.5°	775.1	788.6	801.9	805.3	833.3	870.6	889.3	913.7	962.3	998.7	1003.5
155°	802.9	812.8	822.7	825.2	846.6	875.1	889.3	908.7	947.4	976.4	979.6
157.5°	823.5	833.1	842.7	845.2	859.9	879.6	889.3	904.4	934.5	957.1	959.3
160°	837.3	844.9	852.4	854.3	866.0	881.6	889.3	902.2	928.0	947.4	948.7
162.5°	851.3	856.9	862.5	864.0	872.4	883.7	889.3	900.2	922.0	938.3	939.4
165°	866.4	871.4	876.6	877.8	881.7	886.8	889.3	897.1	912.7	924.4	925.7
167.5°	880.2	882.7	885.1	885.7	888.9	893.2	895.4	900.5	910.7	918.3	918.9
170°	889.3	891.8	894.2	894.8	895.0	895.3	895.4	900.5	910.7	918.3	918.3
172.5°	894.2	894.7	895.3	895.4	895.4	895.4	895.4	899.4	907.5	913.5	913.0
175°	900.8	900.8	900.8	900.8	898.9	896.5	895.4	897.9	903.0	906.9	906.9
177.5°	900.8	900.8	900.8	900.8	899.4	897.6	896.6	898.7	902.6	905.6	905.0
180°	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6
2.5°	2666.0	2658.6	2666.0	2661.1	2663.6	2656.2	2634.0	2626.7	2634.0	2641.4	2641.4
5°	2698.0	2693.0	2698.0	2698.0	2695.6	2690.6	2666.0	2661.1	2666.0	2668.5	2663.6
7.5°	2707.9	2700.5	2707.9	2702.9	2702.9	2698.0	2673.4	2668.5	2671.0	2678.3	2671.0
10°	2707.9	2700.5	2707.9	2705.4	2702.9	2698.0	2673.4	2663.6	2663.6	2671.0	2663.6
12.5°	2695.6	2690.6	2695.6	2690.6	2690.6	2685.7	2661.1	2651.3	2653.7	2656.2	2646.3
15°	2675.9	2668.5	2675.9	2671.0	2673.4	2666.0	2639.0	2629.1	2629.1	2634.0	2616.9
17.5°	2646.3	2636.6	2646.3	2643.9	2641.4	2636.6	2611.9	2602.1	2599.6	2602.1	2589.7
20°	2611.9	2604.6	2611.9	2609.4	2609.4	2599.6	2575.0	2562.7	2562.7	2562.7	2550.4
22.5°	2557.8	2550.4	2557.8	2562.7	2562.7	2560.3	2538.1	2521.0	2516.0	2516.0	2501.3
25°	2496.3	2489.0	2496.3	2496.3	2493.9	2496.3	2489.0	2479.1	2471.7	2464.4	2449.6
27.5°	2437.3	2432.4	2437.3	2432.4	2437.3	2430.0	2427.4	2425.0	2415.1	2407.8	2388.1
30°	2378.3	2373.4	2378.3	2373.4	2368.4	2363.5	2351.2	2346.3	2356.1	2351.2	2319.2
32.5°	2304.5	2299.5	2304.5	2304.5	2299.5	2299.5	2279.9	2272.5	2275.0	2289.7	2260.2
35°	2228.2	2220.9	2228.2	2225.8	2228.2	2220.9	2208.5	2206.1	2196.2	2213.5	2191.4
37.5°	2139.7	2132.3	2139.7	2139.7	2139.7	2144.6	2134.8	2127.4	2112.6	2134.8	2117.6
40°	2048.8	2038.9	2048.8	2046.2	2048.8	2053.6	2048.8	2043.8	2029.0	2046.2	2031.5
42.5°	1945.5	1942.9	1945.5	1947.9	1947.9	1957.7	1965.1	1955.2	1950.3	1938.0	1947.9
45°	1834.7	1829.9	1834.7	1839.6	1842.1	1847.0	1869.2	1869.2	1861.8	1842.1	1856.9
47.5°	1716.7	1704.4	1716.7	1731.4	1731.4	1738.8	1761.0	1778.2	1765.9	1741.3	1748.7
50°	1591.3	1593.7	1591.3	1601.1	1601.1	1628.1	1645.4	1662.6	1674.9	1645.4	1611.0
52.5°	1468.3	1465.8	1468.3	1475.7	1485.5	1497.8	1527.3	1544.5	1564.2	1547.0	1492.8
55°	1345.3	1350.2	1345.3	1347.8	1352.7	1360.1	1404.4	1421.5	1458.4	1436.3	1379.8
57.5°	1222.3	1214.9	1222.3	1227.2	1229.8	1237.1	1273.9	1305.9	1328.1	1330.5	1261.7
60°	1079.7	1069.9	1079.7	1101.8	1106.8	1111.6	1146.1	1175.6	1195.3	1202.6	1131.3
62.5°	954.3	937.0	954.3	969.0	978.9	991.2	1015.7	1060.0	1077.2	1079.7	978.9
65°	821.4	814.1	821.4	851.0	853.4	868.2	895.3	927.2	964.1	959.2	814.1
67.5°	701.0	701.0	701.0	720.6	735.4	742.7	777.1	792.0	838.7	843.6	678.8
70°	590.2	587.8	590.2	605.0	614.8	632.1	664.1	681.3	718.1	730.4	550.9
72.5°	484.5	482.1	484.5	496.8	506.7	521.4	548.5	568.1	600.1	614.8	427.9
75°	391.1	386.1	391.1	400.9	398.5	418.1	440.2	459.9	489.4	499.2	317.3
77.5°	300.1	300.1	300.1	309.9	309.9	329.6	339.4	364.0	381.2	395.9	233.6
80°	223.8	221.3	223.8	226.3	226.3	236.1	253.3	270.5	285.3	285.3	159.9
82.5°	157.4	152.5	157.4	157.4	157.4	162.3	172.2	177.0	186.9	194.3	100.9
85°	98.4	98.4	98.4	100.9	98.4	103.3	105.7	110.7	110.7	105.7	61.5
87.5°	64.0	61.5	64.0	61.5	61.5	59.0	59.0	59.0	56.6	54.1	34.4
90°	23.0	23.0	23.0	23.0	23.0	30.6	40.8	45.9	39.5	26.6	17.0
92.5°	92.0	73.7	92.0	110.3	114.8	162.8	226.7	258.7	227.1	164.1	116.7
95°	320.7	265.4	320.7	376.1	389.9	512.0	674.9	756.3	638.8	403.7	227.3
97.5°	768.5	663.2	768.5	873.8	900.2	977.4	1080.3	1131.8	935.8	543.7	249.7
100°	1107.3	981.8	1107.3	1232.8	1264.2	1258.5	1251.0	1247.2	1029.7	594.7	268.4
102.5°	1440.5	1333.1	1440.5	1548.1	1574.9	1476.6	1345.5	1279.9	1059.3	618.1	287.2
105°	1865.4	1807.7	1865.4	1923.2	1937.6	1717.2	1423.3	1276.3	1062.7	635.5	315.0
107.5°	2143.8	2157.8	2143.8	2129.8	2126.3	1818.7	1408.7	1203.7	1015.3	638.7	356.1
110°	2249.9	2310.1	2249.9	2189.6	2174.6	1830.8	1372.4	1143.2	973.5	633.8	379.1





TEST NUMBER: P935399

CATALOG NUMBER: SQ4-FA-100U-125D-B35-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2259.3	2351.8	2259.3	2166.9	2143.8	1792.0	1322.8	1088.2	936.8	634.0	406.9
115°	2199.4	2327.6	2199.4	2071.3	2039.3	1700.3	1248.3	1022.3	894.8	639.8	448.6
117.5°	2072.4	2214.6	2072.4	1930.2	1894.7	1588.8	1180.9	976.9	868.5	651.7	489.1
120°	1970.1	2108.2	1970.1	1831.9	1797.4	1517.8	1145.2	958.8	859.7	661.4	512.7
122.5°	1870.4	2006.6	1870.4	1734.1	1700.0	1448.4	1112.8	945.0	855.0	675.3	540.5
125°	1728.1	1853.6	1728.1	1602.7	1571.3	1357.5	1072.4	929.9	851.3	694.1	576.2
127.5°	1600.3	1706.1	1600.3	1494.4	1467.9	1284.3	1039.5	917.2	849.0	712.8	610.7
130°	1524.9	1622.7	1524.9	1427.0	1402.6	1239.2	1021.2	912.3	850.4	726.6	633.6
132.5°	1456.5	1544.1	1456.5	1368.9	1347.0	1200.7	1005.6	908.0	851.3	737.6	652.3
135°	1362.8	1438.3	1362.8	1287.3	1268.4	1145.8	982.5	900.8	850.4	749.7	674.1
137.5°	1287.6	1349.4	1287.6	1225.8	1210.4	1106.8	968.7	899.6	855.7	767.8	701.9
140°	1236.1	1293.8	1236.1	1178.2	1163.8	1074.3	955.0	895.4	856.5	778.9	720.6
142.5°	1193.3	1243.0	1193.3	1143.5	1131.1	1052.5	947.8	895.4	859.6	788.2	734.6
145°	1129.3	1166.9	1129.3	1091.6	1082.2	1017.9	932.2	889.3	859.7	800.3	755.7
147.5°	1080.0	1111.2	1080.0	1048.8	1041.1	990.5	923.1	889.3	865.5	817.9	782.3
150°	1049.0	1074.3	1049.0	1023.7	1017.4	974.7	917.8	889.3	868.6	827.2	796.2
152.5°	1022.6	1041.7	1022.6	1003.5	998.7	962.3	913.7	889.3	870.6	833.3	805.3
155°	992.2	1004.8	992.2	979.6	976.4	947.4	908.7	889.3	875.1	846.6	825.2
157.5°	968.1	976.9	968.1	959.3	957.1	934.5	904.4	889.3	879.6	859.9	845.2
160°	953.8	958.8	953.8	948.7	947.4	928.0	902.2	889.3	881.6	866.0	854.3
162.5°	944.3	949.1	944.3	939.4	938.3	922.0	900.2	889.3	883.7	872.4	864.0
165°	930.8	935.9	930.8	925.7	924.4	912.7	897.1	889.3	886.8	881.7	877.8
167.5°	921.0	923.2	921.0	918.9	918.3	910.7	900.5	895.4	893.2	888.9	885.7
170°	918.3	918.3	918.3	918.3	918.3	910.7	900.5	895.4	895.3	895.0	894.8
172.5°	911.2	909.3	911.2	913.0	913.5	907.5	899.4	895.4	895.4	895.4	895.4
175°	906.9	906.9	906.9	906.9	906.9	903.0	897.9	895.4	896.5	898.9	900.8
177.5°	902.9	900.8	902.9	905.0	905.6	902.6	898.7	896.6	897.6	899.4	900.8
180°	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8



TEST NUMBER: P935399

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6
2.5°	2636.6	2621.7	2621.7	2597.2	2587.3	2580.0	2567.7	2530.7	2521.0	2511.1	2525.8
5°	2658.6	2631.6	2611.9	2567.7	2530.7	2516.0	2469.3	2380.7	2321.7	2277.4	2252.8
7.5°	2663.6	2629.1	2592.3	2523.4	2434.8	2395.5	2252.8	2090.5	2046.2	2006.9	1982.3
10°	2658.6	2619.3	2567.7	2464.4	2255.3	2186.5	2043.8	1938.0	1911.0	1903.6	1911.0
12.5°	2641.4	2604.6	2533.3	2361.1	2068.4	2021.6	1938.0	1876.6	1871.6	1883.9	1950.3
15°	2611.9	2577.4	2493.9	2223.4	1965.1	1930.6	1871.6	1849.5	1876.6	1962.6	2161.8
17.5°	2582.4	2543.0	2439.7	2088.1	1886.4	1861.8	1820.0	1864.3	2016.8	2132.3	2198.8
20°	2543.0	2496.3	2378.3	1989.6	1829.9	1807.7	1788.0	1987.2	2102.8	2144.6	2181.5
22.5°	2496.3	2447.1	2294.7	1920.8	1770.8	1753.6	1765.9	2056.1	2102.8	2132.3	2164.3
25°	2434.8	2393.0	2196.2	1866.7	1724.0	1704.4	1751.1	2048.8	2075.8	2083.2	2147.1
27.5°	2378.3	2324.1	2092.9	1817.6	1667.5	1660.1	1763.4	2016.8	2036.5	2043.8	2112.6
30°	2309.4	2228.2	1977.3	1765.9	1608.4	1606.0	1765.9	1977.3	1972.5	1992.2	2061.0
32.5°	2238.1	2085.6	1847.0	1702.0	1552.0	1549.4	1748.7	1918.3	1913.5	1940.5	1992.2
35°	2171.7	1974.9	1670.0	1628.1	1480.5	1483.1	1706.9	1849.5	1852.0	1876.6	1908.5
37.5°	2102.8	1879.0	1475.7	1547.0	1411.7	1411.7	1650.3	1785.6	1780.6	1788.0	1832.3
40°	2021.6	1729.0	1303.5	1441.2	1347.8	1340.4	1581.4	1716.7	1699.4	1697.0	1758.5
42.5°	1935.6	1564.2	1175.6	1301.1	1273.9	1264.2	1497.8	1633.1	1601.1	1608.4	1687.1
45°	1842.1	1520.0	1077.2	1099.3	1197.8	1190.3	1406.8	1537.1	1515.0	1534.7	1615.8
47.5°	1748.7	1431.4	1045.3	912.4	1116.6	1114.2	1305.9	1443.7	1431.4	1451.1	1537.1
50°	1620.7	1333.1	1042.8	782.1	1025.6	1035.4	1185.5	1352.7	1352.7	1369.9	1460.9
52.5°	1456.0	1212.5	946.9	708.3	919.9	949.3	1079.7	1273.9	1278.9	1296.1	1377.2
55°	1305.9	1087.0	878.0	651.7	794.4	858.3	976.4	1192.8	1202.6	1219.9	1293.6
57.5°	1168.2	905.0	863.3	585.4	678.8	740.3	885.4	1114.2	1119.0	1133.8	1205.1
60°	1020.6	654.2	792.0	514.1	578.0	624.7	801.8	1020.6	1037.9	1047.7	1109.2
62.5°	853.4	474.7	718.1	464.8	528.8	538.6	733.0	932.1	954.3	961.6	998.6
65°	607.5	398.5	610.0	423.1	477.1	479.6	659.1	841.1	860.8	873.1	900.2
67.5°	410.8	324.6	464.8	383.6	437.8	440.2	587.8	735.4	762.4	772.3	789.4
70°	285.3	216.5	344.3	341.9	393.5	398.5	511.5	639.4	664.1	671.4	681.3
72.5°	209.0	174.6	285.3	307.5	346.8	351.7	432.9	531.2	555.8	563.2	568.1
75°	159.9	184.5	231.2	268.1	295.2	297.6	354.2	432.9	450.1	455.0	457.5
77.5°	127.9	172.2	169.7	216.5	241.0	236.1	277.9	334.5	349.2	349.2	349.2
80°	95.9	135.3	127.9	154.9	177.0	172.2	199.2	238.6	243.5	248.4	245.9
82.5°	71.3	86.0	86.0	98.4	118.0	113.2	132.8	154.9	154.9	154.9	159.9
85°	44.3	49.2	39.3	51.6	66.4	64.0	73.7	83.6	86.0	86.0	81.2
87.5°	27.0	22.1	12.3	19.7	29.6	29.6	34.4	36.9	34.4	34.4	34.4
90°	15.7	10.9	6.0	10.9	15.7	17.0	26.6	39.5	45.9	40.8	30.6
92.5°	106.4	65.3	24.2	65.3	106.4	116.7	164.1	227.1	258.7	226.7	162.8
95°	208.5	133.2	58.0	133.2	208.5	227.3	403.7	638.8	756.3	674.9	512.0
97.5°	233.1	166.8	100.4	166.8	233.1	249.7	543.7	935.8	1131.8	1080.3	977.4
100°	253.4	193.2	133.0	193.2	253.4	268.4	594.7	1029.7	1247.2	1251.0	1258.5
102.5°	273.2	217.1	160.9	217.1	273.2	287.2	618.1	1059.3	1279.9	1345.5	1476.6
105°	303.1	255.5	207.9	255.5	303.1	315.0	635.5	1062.7	1276.3	1423.3	1717.2
107.5°	345.1	300.7	256.3	300.7	345.1	356.1	638.7	1015.3	1203.7	1408.7	1818.7
110°	369.1	329.0	289.0	329.0	369.1	379.1	633.8	973.5	1143.2	1372.4	1830.8



TEST NUMBER: P935399

CATALOG NUMBER: SQ4-FA-100U-125D-B35-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	397.4	359.2	321.0	359.2	397.4	406.9	634.0	936.8	1088.2	1322.8	1792.0
115°	439.7	404.6	369.4	404.6	439.7	448.6	639.8	894.8	1022.3	1248.3	1700.3
117.5°	481.1	449.1	417.2	449.1	481.1	489.1	651.7	868.5	976.9	1180.9	1588.8
120°	505.1	475.1	445.0	475.1	505.1	512.7	661.4	859.7	958.8	1145.2	1517.8
122.5°	532.9	502.5	472.2	502.5	532.9	540.5	675.3	855.0	945.0	1112.8	1448.4
125°	569.3	541.6	513.9	541.6	569.3	576.2	694.1	851.3	929.9	1072.4	1357.5
127.5°	603.7	575.7	547.8	575.7	603.7	610.7	712.8	849.0	917.2	1039.5	1284.3
130°	626.1	596.0	565.9	596.0	626.1	633.6	726.6	850.4	912.3	1021.2	1239.2
132.5°	644.8	614.7	584.6	614.7	644.8	652.3	737.6	851.3	908.0	1005.6	1200.7
135°	667.3	639.8	612.4	639.8	667.3	674.1	749.7	850.4	900.8	982.5	1145.8
137.5°	695.2	667.9	640.8	667.9	695.2	701.9	767.8	855.7	899.6	968.7	1106.8
140°	714.4	689.4	664.4	689.4	714.4	720.6	778.9	856.5	895.4	955.0	1074.3
142.5°	728.8	705.7	682.6	705.7	728.8	734.6	788.2	859.6	895.4	947.8	1052.5
145°	750.7	730.5	710.4	730.5	750.7	755.7	800.3	859.7	889.3	932.2	1017.9
147.5°	777.3	757.8	738.2	757.8	777.3	782.3	817.9	865.5	889.3	923.1	990.5
150°	791.8	774.0	756.3	774.0	791.8	796.2	827.2	868.6	889.3	917.8	974.7
152.5°	801.9	788.6	775.1	788.6	801.9	805.3	833.3	870.6	889.3	913.7	962.3
155°	822.7	812.8	802.9	812.8	822.7	825.2	846.6	875.1	889.3	908.7	947.4
157.5°	842.7	833.1	823.5	833.1	842.7	845.2	859.9	879.6	889.3	904.4	934.5
160°	852.4	844.9	837.3	844.9	852.4	854.3	866.0	881.6	889.3	902.2	928.0
162.5°	862.5	856.9	851.3	856.9	862.5	864.0	872.4	883.7	889.3	900.2	922.0
165°	876.6	871.4	866.4	871.4	876.6	877.8	881.7	886.8	889.3	897.1	912.7
167.5°	885.1	882.7	880.2	882.7	885.1	885.7	888.9	893.2	895.4	900.5	910.7
170°	894.2	891.8	889.3	891.8	894.2	894.8	895.0	895.3	895.4	900.5	910.7
172.5°	895.3	894.7	894.2	894.7	895.3	895.4	895.4	895.4	895.4	899.4	907.5
175°	900.8	900.8	900.8	900.8	900.8	900.8	898.9	896.5	895.4	897.9	903.0
177.5°	900.8	900.8	900.8	900.8	900.8	900.8	899.4	897.6	896.6	898.7	902.6
180°	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8



TEST NUMBER: P935399  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6	2599.6
2.5°	2508.6	2501.3	2511.1	2484.0	2511.1	2501.3	2508.6	2525.8	2511.1	2521.0	2530.7
5°	2201.2	2188.9	2149.5	2117.6	2149.5	2188.9	2201.2	2252.8	2277.4	2321.7	2380.7
7.5°	1967.6	1957.7	1947.9	1928.2	1947.9	1957.7	1967.6	1982.3	2006.9	2046.2	2090.5
10°	1915.9	1918.3	1933.2	1930.6	1933.2	1918.3	1915.9	1911.0	1903.6	1911.0	1938.0
12.5°	2048.8	2070.8	2152.1	2147.1	2152.1	2070.8	2048.8	1950.3	1883.9	1871.6	1876.6
15°	2201.2	2208.5	2225.8	2228.2	2225.8	2208.5	2201.2	2161.8	1962.6	1876.6	1849.5
17.5°	2215.9	2218.4	2230.7	2230.7	2230.7	2218.4	2215.9	2198.8	2132.3	2016.8	1864.3
20°	2203.7	2208.5	2233.2	2238.1	2233.2	2208.5	2203.7	2181.5	2144.6	2102.8	1987.2
22.5°	2198.8	2208.5	2228.2	2225.8	2228.2	2208.5	2198.8	2164.3	2132.3	2102.8	2056.1
25°	2174.1	2174.1	2176.6	2179.1	2176.6	2174.1	2174.1	2147.1	2083.2	2075.8	2048.8
27.5°	2122.5	2127.4	2142.2	2139.7	2142.2	2127.4	2122.5	2112.6	2043.8	2036.5	2016.8
30°	2075.8	2070.8	2058.5	2048.8	2058.5	2070.8	2075.8	2061.0	1992.2	1972.5	1977.3
32.5°	1997.1	1984.8	1972.5	1965.1	1972.5	1984.8	1997.1	1992.2	1940.5	1913.5	1918.3
35°	1903.6	1906.0	1903.6	1896.2	1903.6	1906.0	1903.6	1908.5	1876.6	1852.0	1849.5
37.5°	1837.2	1842.1	1839.6	1829.9	1839.6	1842.1	1837.2	1832.3	1788.0	1780.6	1785.6
40°	1768.3	1770.8	1768.3	1761.0	1768.3	1770.8	1768.3	1758.5	1697.0	1699.4	1716.7
42.5°	1702.0	1699.4	1692.1	1687.1	1692.1	1699.4	1702.0	1687.1	1608.4	1601.1	1633.1
45°	1625.7	1628.1	1613.4	1606.0	1613.4	1628.1	1625.7	1615.8	1534.7	1515.0	1537.1
47.5°	1549.4	1549.4	1537.1	1529.8	1537.1	1549.4	1549.4	1537.1	1451.1	1431.4	1443.7
50°	1468.3	1465.8	1448.7	1446.1	1448.7	1465.8	1468.3	1460.9	1369.9	1352.7	1352.7
52.5°	1374.8	1374.8	1377.2	1382.2	1377.2	1374.8	1374.8	1377.2	1296.1	1278.9	1273.9
55°	1293.6	1296.1	1313.4	1318.2	1313.4	1296.1	1293.6	1293.6	1219.9	1202.6	1192.8
57.5°	1210.1	1210.1	1222.3	1222.3	1222.3	1210.1	1210.1	1205.1	1133.8	1119.0	1114.2
60°	1114.2	1119.0	1128.9	1126.5	1128.9	1119.0	1114.2	1109.2	1047.7	1037.9	1020.6
62.5°	1013.3	1018.2	1020.6	1015.7	1020.6	1018.2	1013.3	998.6	961.6	954.3	932.1
65°	907.6	912.4	914.9	910.0	914.9	912.4	907.6	900.2	873.1	860.8	841.1
67.5°	799.3	796.8	794.4	804.3	794.4	796.8	799.3	789.4	772.3	762.4	735.4
70°	688.7	688.7	686.1	691.1	686.1	688.7	688.7	681.3	671.4	664.1	639.4
72.5°	570.5	568.1	578.0	570.5	578.0	568.1	570.5	568.1	563.2	555.8	531.2
75°	455.0	459.9	455.0	462.4	455.0	459.9	455.0	457.5	455.0	450.1	432.9
77.5°	346.8	351.7	346.8	346.8	346.8	351.7	346.8	349.2	349.2	349.2	334.5
80°	245.9	243.5	243.5	241.0	243.5	243.5	245.9	245.9	248.4	243.5	238.6
82.5°	157.4	154.9	154.9	159.9	154.9	154.9	157.4	159.9	154.9	154.9	154.9
85°	86.0	88.6	83.6	83.6	83.6	88.6	86.0	81.2	86.0	86.0	83.6
87.5°	32.0	29.6	29.6	29.6	29.6	29.6	32.0	34.4	34.4	34.4	36.9
90°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	30.6	40.8	45.9	39.5
92.5°	114.8	110.3	92.0	73.7	92.0	110.3	114.8	162.8	226.7	258.7	227.1
95°	389.9	376.1	320.7	265.4	320.7	376.1	389.9	512.0	674.9	756.3	638.8
97.5°	900.2	873.8	768.5	663.2	768.5	873.8	900.2	977.4	1080.3	1131.8	935.8
100°	1264.2	1232.8	1107.3	981.8	1107.3	1232.8	1264.2	1258.5	1251.0	1247.2	1029.7
102.5°	1574.9	1548.1	1440.5	1333.1	1440.5	1548.1	1574.9	1476.6	1345.5	1279.9	1059.3
105°	1937.6	1923.2	1865.4	1807.7	1865.4	1923.2	1937.6	1717.2	1423.3	1276.3	1062.7
107.5°	2126.3	2129.8	2143.8	2157.8	2143.8	2129.8	2126.3	1818.7	1408.7	1203.7	1015.3
110°	2174.6	2189.6	2249.9	2310.1	2249.9	2189.6	2174.6	1830.8	1372.4	1143.2	973.5



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2143.8	2166.9	2259.3	2351.8	2259.3	2166.9	2143.8	1792.0	1322.8	1088.2	936.8
115°	2039.3	2071.3	2199.4	2327.6	2199.4	2071.3	2039.3	1700.3	1248.3	1022.3	894.8
117.5°	1894.7	1930.2	2072.4	2214.6	2072.4	1930.2	1894.7	1588.8	1180.9	976.9	868.5
120°	1797.4	1831.9	1970.1	2108.2	1970.1	1831.9	1797.4	1517.8	1145.2	958.8	859.7
122.5°	1700.0	1734.1	1870.4	2006.6	1870.4	1734.1	1700.0	1448.4	1112.8	945.0	855.0
125°	1571.3	1602.7	1728.1	1853.6	1728.1	1602.7	1571.3	1357.5	1072.4	929.9	851.3
127.5°	1467.9	1494.4	1600.3	1706.1	1600.3	1494.4	1467.9	1284.3	1039.5	917.2	849.0
130°	1402.6	1427.0	1524.9	1622.7	1524.9	1427.0	1402.6	1239.2	1021.2	912.3	850.4
132.5°	1347.0	1368.9	1456.5	1544.1	1456.5	1368.9	1347.0	1200.7	1005.6	908.0	851.3
135°	1268.4	1287.3	1362.8	1438.3	1362.8	1287.3	1268.4	1145.8	982.5	900.8	850.4
137.5°	1210.4	1225.8	1287.6	1349.4	1287.6	1225.8	1210.4	1106.8	968.7	899.6	855.7
140°	1163.8	1178.2	1236.1	1293.8	1236.1	1178.2	1163.8	1074.3	955.0	895.4	856.5
142.5°	1131.1	1143.5	1193.3	1243.0	1193.3	1143.5	1131.1	1052.5	947.8	895.4	859.6
145°	1082.2	1091.6	1129.3	1166.9	1129.3	1091.6	1082.2	1017.9	932.2	889.3	859.7
147.5°	1041.1	1048.8	1080.0	1111.2	1080.0	1048.8	1041.1	990.5	923.1	889.3	865.5
150°	1017.4	1023.7	1049.0	1074.3	1049.0	1023.7	1017.4	974.7	917.8	889.3	868.6
152.5°	998.7	1003.5	1022.6	1041.7	1022.6	1003.5	998.7	962.3	913.7	889.3	870.6
155°	976.4	979.6	992.2	1004.8	992.2	979.6	976.4	947.4	908.7	889.3	875.1
157.5°	957.1	959.3	968.1	976.9	968.1	959.3	957.1	934.5	904.4	889.3	879.6
160°	947.4	948.7	953.8	958.8	953.8	948.7	947.4	928.0	902.2	889.3	881.6
162.5°	938.3	939.4	944.3	949.1	944.3	939.4	938.3	922.0	900.2	889.3	883.7
165°	924.4	925.7	930.8	935.9	930.8	925.7	924.4	912.7	897.1	889.3	886.8
167.5°	918.3	918.9	921.0	923.2	921.0	918.9	918.3	910.7	900.5	895.4	893.2
170°	918.3	918.3	918.3	918.3	918.3	918.3	918.3	910.7	900.5	895.4	895.3
172.5°	913.5	913.0	911.2	909.3	911.2	913.0	913.5	907.5	899.4	895.4	895.4
175°	906.9	906.9	906.9	906.9	906.9	906.9	906.9	903.0	897.9	895.4	896.5
177.5°	905.6	905.0	902.9	900.8	902.9	905.0	905.6	902.6	898.7	896.6	897.6
180°	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2599.6	2599.6	2599.6	2599.6	2599.6
2.5°	2567.7	2580.0	2587.3	2597.2	2621.7
5°	2469.3	2516.0	2530.7	2567.7	2611.9
7.5°	2252.8	2395.5	2434.8	2523.4	2592.3
10°	2043.8	2186.5	2255.3	2464.4	2567.7
12.5°	1938.0	2021.6	2068.4	2361.1	2533.3
15°	1871.6	1930.6	1965.1	2223.4	2493.9
17.5°	1820.0	1861.8	1886.4	2088.1	2439.7
20°	1788.0	1807.7	1829.9	1989.6	2378.3
22.5°	1765.9	1753.6	1770.8	1920.8	2294.7
25°	1751.1	1704.4	1724.0	1866.7	2196.2
27.5°	1763.4	1660.1	1667.5	1817.6	2092.9
30°	1765.9	1606.0	1608.4	1765.9	1977.3
32.5°	1748.7	1549.4	1552.0	1702.0	1847.0
35°	1706.9	1483.1	1480.5	1628.1	1670.0
37.5°	1650.3	1411.7	1411.7	1547.0	1475.7
40°	1581.4	1340.4	1347.8	1441.2	1303.5
42.5°	1497.8	1264.2	1273.9	1301.1	1175.6
45°	1406.8	1190.3	1197.8	1099.3	1077.2
47.5°	1305.9	1114.2	1116.6	912.4	1045.3
50°	1185.5	1035.4	1025.6	782.1	1042.8
52.5°	1079.7	949.3	919.9	708.3	946.9
55°	976.4	858.3	794.4	651.7	878.0
57.5°	885.4	740.3	678.8	585.4	863.3
60°	801.8	624.7	578.0	514.1	792.0
62.5°	733.0	538.6	528.8	464.8	718.1
65°	659.1	479.6	477.1	423.1	610.0
67.5°	587.8	440.2	437.8	383.6	464.8
70°	511.5	398.5	393.5	341.9	344.3
72.5°	432.9	351.7	346.8	307.5	285.3
75°	354.2	297.6	295.2	268.1	231.2
77.5°	277.9	236.1	241.0	216.5	169.7
80°	199.2	172.2	177.0	154.9	127.9
82.5°	132.8	113.2	118.0	98.4	86.0
85°	73.7	64.0	66.4	51.6	39.3
87.5°	34.4	29.6	29.6	19.7	12.3
90°	26.6	17.0	15.7	10.9	6.0
92.5°	164.1	116.7	106.4	65.3	24.2
95°	403.7	227.3	208.5	133.2	58.0
97.5°	543.7	249.7	233.1	166.8	100.4
100°	594.7	268.4	253.4	193.2	133.0
102.5°	618.1	287.2	273.2	217.1	160.9
105°	635.5	315.0	303.1	255.5	207.9
107.5°	638.7	356.1	345.1	300.7	256.3
110°	633.8	379.1	369.1	329.0	289.0



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	634.0	406.9	397.4	359.2	321.0
115°	639.8	448.6	439.7	404.6	369.4
117.5°	651.7	489.1	481.1	449.1	417.2
120°	661.4	512.7	505.1	475.1	445.0
122.5°	675.3	540.5	532.9	502.5	472.2
125°	694.1	576.2	569.3	541.6	513.9
127.5°	712.8	610.7	603.7	575.7	547.8
130°	726.6	633.6	626.1	596.0	565.9
132.5°	737.6	652.3	644.8	614.7	584.6
135°	749.7	674.1	667.3	639.8	612.4
137.5°	767.8	701.9	695.2	667.9	640.8
140°	778.9	720.6	714.4	689.4	664.4
142.5°	788.2	734.6	728.8	705.7	682.6
145°	800.3	755.7	750.7	730.5	710.4
147.5°	817.9	782.3	777.3	757.8	738.2
150°	827.2	796.2	791.8	774.0	756.3
152.5°	833.3	805.3	801.9	788.6	775.1
155°	846.6	825.2	822.7	812.8	802.9
157.5°	859.9	845.2	842.7	833.1	823.5
160°	866.0	854.3	852.4	844.9	837.3
162.5°	872.4	864.0	862.5	856.9	851.3
165°	881.7	877.8	876.6	871.4	866.4
167.5°	888.9	885.7	885.1	882.7	880.2
170°	895.0	894.8	894.2	891.8	889.3
172.5°	895.4	895.4	895.3	894.7	894.2
175°	898.9	900.8	900.8	900.8	900.8
177.5°	899.4	900.8	900.8	900.8	900.8
180°	900.8	900.8	900.8	900.8	900.8



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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.78	15.67	15.70	16.62	17.84	17.60	18.50	18.53	19.44	20.66
	3H	15.26	16.06	16.20	17.01	18.26	18.95	19.75	19.89	20.70	21.95
	4H	15.45	16.21	16.40	17.17	18.42	19.39	20.15	20.35	21.11	22.36
	6H	15.57	16.27	16.54	17.23	18.50	19.68	20.38	20.64	21.34	22.61
	8H	15.57	16.24	16.54	17.22	18.48	19.75	20.42	20.72	21.40	22.66
	12H	15.55	16.18	16.52	17.15	18.44	19.79	20.43	20.77	21.40	22.69
4H	2H	15.81	16.57	16.77	17.53	18.78	18.02	18.78	18.97	19.73	20.98
	3H	16.84	17.48	17.81	18.46	19.73	19.52	20.16	20.49	21.14	22.41
	4H	17.12	17.70	18.10	18.68	19.97	20.05	20.63	21.03	21.61	22.90
	6H	17.25	17.75	18.24	18.75	20.04	20.42	20.92	21.41	21.92	23.21
	8H	17.26	17.72	18.25	18.72	20.02	20.53	20.99	21.52	21.99	23.29
	12H	17.22	17.64	18.23	18.66	19.97	20.58	21.00	21.59	22.02	23.32
8H	4H	17.58	18.04	18.57	19.04	20.34	20.18	20.64	21.17	21.64	22.95
	6H	17.84	18.22	18.86	19.26	20.57	20.62	21.00	21.63	22.04	23.34
	8H	17.88	18.22	18.91	19.25	20.57	20.77	21.11	21.79	22.13	23.45
	12H	17.87	18.17	18.90	19.19	20.55	20.87	21.16	21.89	22.19	23.55
12H	4H	17.59	18.00	18.60	19.02	20.33	20.15	20.57	21.16	21.58	22.89
	6H	17.90	18.24	18.93	19.27	20.59	20.61	20.95	21.64	21.98	23.30
	8H	17.97	18.27	19.00	19.29	20.65	20.78	21.07	21.80	22.09	23.46