

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: P934848

Luminaire Tested: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-8-6500K

Issue Date: 12/17/2024

**Test Information**

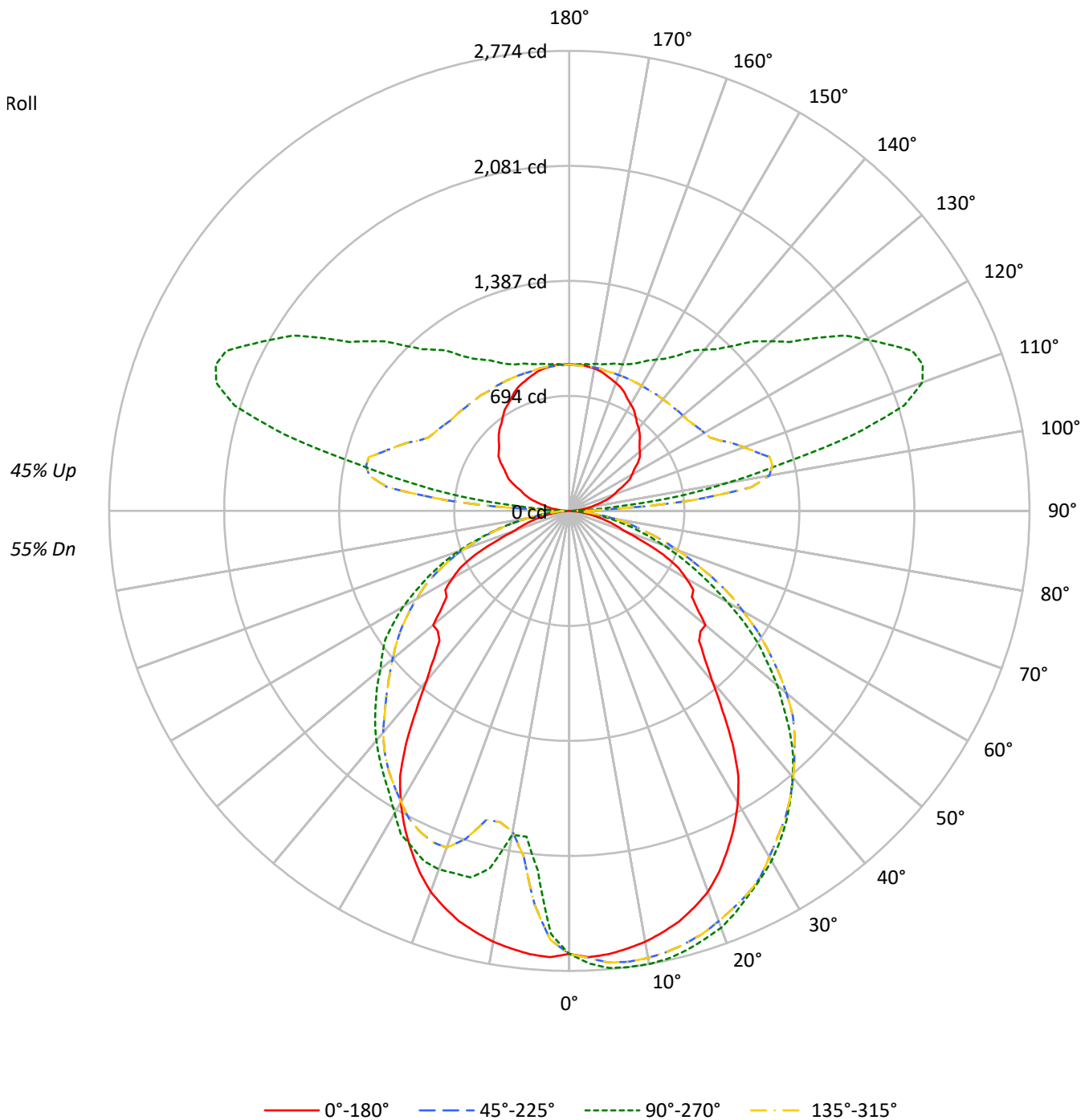
Test Method: LM-79-2019  
Report Number: P934848  
REPORT IS A COMBINATION OF REPORTS P933716 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-8-6500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12654.3 lumens  
Efficiency: N/A  
Efficacy: 123.6 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 102.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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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	0
RCR																		
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	14

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

	0°	90°	180°	270°
0°	12391	12391	12391	12391
5°	12484	12508	12484	9835
10°	12400	12321	12400	8809
15°	12265	12054	12265	10066
20°	12009	11738	12009	10087
25°	11484	11277	11484	9873
30°	10805	10894	10805	9404
35°	9633	10410	9633	8888
40°	8026	9839	8026	8498
45°	7172	9172	7172	8050
50°	7619	8376	7619	7600
55°	7169	7518	7169	7341
60°	7390	6385	7390	6723
65°	6699	5279	6699	5900
70°	4639	4207	4639	4946
75°	4068	3110	4068	3723
80°	3278	2056	3278	2239
85°	1882	1089	1882	925

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10992 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	241.1	1.9
10°-20°	684.5	5.4
20°-30°	1058.1	8.4
30°-40°	1263.2	10.0
40°-50°	1270.6	10.0
50°-60°	1105.5	8.7
60°-70°	783.8	6.2
70°-80°	414.7	3.3
80°-90°	106.7	0.8
90°-100°	430.6	3.4
100°-110°	1132.0	8.9
110°-120°	1173.7	9.3
120°-130°	941.5	7.4
130°-140°	738.7	5.8
140°-150°	567.0	4.5
150°-160°	408.3	3.2
160°-170°	249.8	2.0
170°-180°	84.4	0.7
0°-30°	1983.7	15.7
0°-40°	3246.8	25.7
0°-60°	5622.9	44.4
0°-90°	6928.1	54.7
90°-120°	2736.3	21.6
90°-150°	4983.6	39.4
90°-180°	5726.0	45.2
0°-180°	12654.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2671	2671	2671	2671	2671	
5°	2683	2767	2683	2176	2683	255
15°	2562	2742	2562	2289	2562	721
25°	2256	2557	2256	2239	2256	1036
35°	1716	2282	1716	1948	1716	1061
45°	1107	1880	1107	1650	1107	887
55°	902	1387	902	1354	902	829
65°	627	836	627	935	627	599
75°	238	397	238	475	238	250
85°	40	101	40	86	40	55
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	1818	504	1818	504	447
135°	600	1410	600	1410	600	465
145°	697	1144	697	1144	697	436
155°	787	985	787	985	787	362
165°	850	918	850	918	850	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°	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7
2.5°	2693.5	2693.5	2708.6	2713.7	2713.7	2706.1	2698.6	2706.1	2728.9	2736.4	2733.9
5°	2683.4	2703.5	2731.4	2736.4	2741.5	2738.9	2733.9	2738.9	2764.3	2769.3	2771.8
7.5°	2663.2	2701.1	2736.4	2744.0	2751.6	2744.0	2741.5	2746.6	2771.8	2776.9	2776.9
10°	2637.8	2690.9	2731.4	2736.4	2744.0	2736.4	2736.4	2746.6	2771.8	2776.9	2779.4
12.5°	2602.5	2675.8	2713.7	2718.7	2728.9	2726.3	2723.8	2733.9	2759.2	2764.3	2764.3
15°	2562.1	2648.0	2683.4	2688.4	2706.1	2701.1	2701.1	2711.2	2738.9	2746.6	2744.0
17.5°	2506.5	2612.6	2653.1	2660.6	2673.2	2670.7	2673.2	2683.4	2708.6	2713.7	2716.3
20°	2443.4	2564.6	2612.6	2620.2	2632.9	2632.9	2632.9	2645.5	2670.7	2680.9	2680.9
22.5°	2357.4	2514.1	2564.6	2569.7	2584.8	2584.8	2589.8	2607.5	2630.3	2632.9	2632.9
25°	2256.3	2458.5	2501.4	2516.6	2531.8	2539.4	2546.9	2557.1	2564.6	2562.1	2564.6
27.5°	2150.2	2387.7	2443.4	2453.4	2473.7	2481.2	2491.4	2493.8	2496.4	2504.0	2498.9
30°	2031.4	2289.2	2372.6	2382.7	2415.5	2420.6	2410.5	2415.5	2428.2	2433.2	2438.3
32.5°	1897.6	2142.6	2299.4	2322.0	2352.3	2337.2	2334.6	2342.3	2362.5	2362.5	2367.5
35°	1715.6	2028.9	2231.1	2251.3	2274.0	2256.3	2266.5	2269.0	2281.7	2289.2	2286.6
37.5°	1516.0	1930.4	2160.3	2175.5	2193.2	2170.5	2185.6	2193.2	2203.3	2198.3	2198.3
40°	1339.1	1776.3	2076.9	2087.1	2102.2	2084.5	2099.7	2104.8	2109.8	2104.8	2102.2
42.5°	1207.8	1607.0	1988.5	2001.1	1991.1	2003.7	2008.8	2018.8	2011.3	2001.1	2001.1
45°	1106.7	1561.5	1892.5	1907.7	1892.5	1912.8	1920.3	1920.3	1897.6	1892.5	1890.0
47.5°	1073.9	1470.5	1796.5	1796.5	1788.9	1814.2	1826.8	1809.1	1786.4	1778.8	1778.8
50°	1071.3	1369.5	1665.1	1655.0	1690.4	1720.7	1708.0	1690.4	1672.7	1644.8	1644.8
52.5°	972.8	1245.6	1495.8	1533.7	1589.3	1607.0	1586.8	1569.1	1538.8	1526.2	1516.0
55°	902.1	1116.8	1341.7	1417.5	1475.6	1498.4	1460.4	1442.8	1397.3	1389.7	1384.7
57.5°	886.9	929.8	1200.2	1296.2	1367.0	1364.4	1341.7	1308.8	1271.0	1263.3	1260.8
60°	813.6	672.1	1048.6	1162.3	1235.6	1227.9	1207.8	1177.5	1142.1	1137.0	1131.9
62.5°	737.8	487.7	876.7	1005.6	1109.2	1106.7	1089.0	1043.5	1018.2	1005.6	995.5
65°	626.6	409.3	624.1	836.4	985.5	990.4	952.6	919.8	891.9	876.7	874.2
67.5°	477.5	333.5	422.0	697.4	866.7	861.6	813.6	798.4	763.0	755.5	740.3
70°	353.7	222.3	293.1	566.0	750.4	737.8	699.9	682.2	649.4	631.7	621.5
72.5°	293.1	179.4	214.8	439.7	631.7	616.6	583.7	563.5	535.7	520.5	510.4
75°	237.5	189.5	164.3	326.0	512.9	502.9	472.5	452.3	429.5	409.3	411.8
77.5°	174.3	176.9	131.4	240.0	406.8	391.7	374.0	348.7	338.6	318.4	318.4
80°	131.4	138.9	98.6	164.3	293.1	293.1	278.0	260.3	242.6	232.5	232.5
82.5°	88.4	88.4	73.2	103.6	199.7	192.0	182.0	176.9	166.8	161.7	161.7
85°	40.4	50.5	45.5	63.2	108.6	113.7	113.7	108.6	106.1	101.1	103.6
87.5°	12.6	22.8	27.8	35.4	55.6	58.1	60.6	60.6	60.6	63.2	63.2
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	114.5	160.9	222.8	253.8	222.4	159.7	112.6	108.1
95°	56.9	130.7	204.4	222.9	395.8	626.3	741.6	661.8	502.1	382.4	368.8
97.5°	98.4	163.5	228.6	244.9	533.2	917.6	1109.8	1059.3	958.4	882.8	856.9
100°	130.4	189.4	248.5	263.2	583.2	1009.7	1223.0	1226.7	1234.1	1239.6	1208.8
102.5°	157.7	212.8	267.8	281.6	606.0	1038.7	1255.0	1319.3	1447.9	1544.3	1518.0
105°	204.0	250.6	297.2	308.9	623.1	1042.0	1251.5	1395.6	1683.8	1900.0	1885.8
107.5°	251.4	294.9	338.3	349.2	626.2	995.6	1180.3	1381.3	1783.4	2085.0	2088.4
110°	283.4	322.6	361.8	371.7	621.4	954.5	1121.0	1345.7	1795.3	2132.4	2147.1



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	314.8	352.2	389.6	398.9	621.6	918.6	1067.1	1297.2	1757.2	2102.2	2124.9
115°	362.2	396.7	431.2	439.8	627.4	877.4	1002.5	1224.0	1667.2	1999.6	2031.0
117.5°	409.1	440.4	471.8	479.6	639.1	851.7	958.0	1157.9	1557.9	1857.9	1892.7
120°	436.3	465.8	495.3	502.7	648.5	843.0	940.2	1123.0	1488.4	1762.5	1796.3
122.5°	463.0	492.8	522.6	530.0	662.2	838.4	926.6	1091.1	1420.2	1667.0	1700.4
125°	503.9	531.1	558.1	564.9	680.5	834.7	911.7	1051.5	1331.0	1540.7	1571.5
127.5°	537.1	564.5	591.9	598.8	699.0	832.6	899.3	1019.3	1259.3	1439.4	1465.3
130°	554.9	584.3	613.9	621.2	712.4	833.9	894.6	1001.4	1215.1	1375.4	1399.4
132.5°	573.2	602.8	632.3	639.7	723.3	834.7	890.4	986.0	1177.4	1320.8	1342.3
135°	600.5	627.4	654.3	661.0	735.1	833.9	883.3	963.5	1123.6	1243.7	1262.3
137.5°	628.4	655.0	681.6	688.3	752.9	839.1	882.1	949.8	1085.3	1186.8	1201.9
140°	651.5	676.0	700.5	706.6	763.7	839.9	878.0	936.5	1053.4	1141.2	1155.4
142.5°	669.3	692.0	714.7	720.3	772.9	843.0	878.0	929.3	1032.1	1109.2	1121.3
145°	696.6	716.4	736.1	741.0	784.7	843.0	872.0	914.1	998.2	1061.2	1070.4
147.5°	723.8	743.1	762.4	767.2	802.2	848.7	872.0	905.1	971.2	1020.8	1028.5
150°	741.6	759.0	776.4	780.7	811.1	851.8	872.0	900.0	955.8	997.7	1003.9
152.5°	760.0	773.2	786.4	789.6	817.1	853.7	872.0	895.9	943.6	979.3	984.0
155°	787.2	797.0	806.7	809.2	830.2	858.1	872.0	891.0	928.9	957.4	960.5
157.5°	807.4	816.9	826.3	828.7	843.2	862.4	872.0	886.8	916.3	938.4	940.6
160°	821.1	828.4	835.8	837.6	849.1	864.4	872.0	884.7	910.0	928.9	930.2
162.5°	834.7	840.2	845.8	847.2	855.5	866.5	872.0	882.8	904.1	920.0	921.2
165°	849.5	854.5	859.5	860.8	864.5	869.6	872.0	879.7	895.0	906.5	907.7
167.5°	863.2	865.5	867.9	868.5	871.7	875.9	878.0	882.9	893.0	900.5	901.0
170°	872.0	874.4	876.8	877.4	877.6	877.9	878.0	882.9	893.0	900.5	900.5
172.5°	876.8	877.3	877.9	878.0	878.0	878.0	878.0	881.9	889.8	895.8	895.3
175°	883.3	883.3	883.3	883.3	881.5	879.1	878.0	880.5	885.5	889.3	889.3
177.5°	883.3	883.3	883.3	883.3	881.9	880.1	879.1	881.1	885.1	888.0	887.5
180°	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7
2.5°	2738.9	2731.4	2738.9	2733.9	2736.4	2728.9	2706.1	2698.6	2706.1	2713.7	2713.7
5°	2771.8	2766.7	2771.8	2771.8	2769.3	2764.3	2738.9	2733.9	2738.9	2741.5	2736.4
7.5°	2781.9	2774.3	2781.9	2776.9	2776.9	2771.8	2746.6	2741.5	2744.0	2751.6	2744.0
10°	2781.9	2774.3	2781.9	2779.4	2776.9	2771.8	2746.6	2736.4	2736.4	2744.0	2736.4
12.5°	2769.3	2764.3	2769.3	2764.3	2764.3	2759.2	2733.9	2723.8	2726.3	2728.9	2718.7
15°	2749.1	2741.5	2749.1	2744.0	2746.6	2738.9	2711.2	2701.1	2701.1	2706.1	2688.4
17.5°	2718.7	2708.6	2718.7	2716.3	2713.7	2708.6	2683.4	2673.2	2670.7	2673.2	2660.6
20°	2683.4	2675.8	2683.4	2680.9	2680.9	2670.7	2645.5	2632.9	2632.9	2632.9	2620.2
22.5°	2627.8	2620.2	2627.8	2632.9	2632.9	2630.3	2607.5	2589.8	2584.8	2584.8	2569.7
25°	2564.6	2557.1	2564.6	2564.6	2562.1	2564.6	2557.1	2546.9	2539.4	2531.8	2516.6
27.5°	2504.0	2498.9	2504.0	2498.9	2504.0	2496.4	2493.8	2491.4	2481.2	2473.7	2453.4
30°	2443.4	2438.3	2443.4	2438.3	2433.2	2428.2	2415.5	2410.5	2420.6	2415.5	2382.7
32.5°	2367.5	2362.5	2367.5	2367.5	2362.5	2362.5	2342.3	2334.6	2337.2	2352.3	2322.0
35°	2289.2	2281.7	2289.2	2286.6	2289.2	2281.7	2269.0	2266.5	2256.3	2274.0	2251.3
37.5°	2198.3	2190.6	2198.3	2198.3	2198.3	2203.3	2193.2	2185.6	2170.5	2193.2	2175.5
40°	2104.8	2094.6	2104.8	2102.2	2104.8	2109.8	2104.8	2099.7	2084.5	2102.2	2087.1
42.5°	1998.6	1996.1	1998.6	2001.1	2001.1	2011.3	2018.8	2008.8	2003.7	1991.1	2001.1
45°	1884.9	1879.9	1884.9	1890.0	1892.5	1897.6	1920.3	1920.3	1912.8	1892.5	1907.7
47.5°	1763.6	1751.0	1763.6	1778.8	1778.8	1786.4	1809.1	1826.8	1814.2	1788.9	1796.5
50°	1634.8	1637.3	1634.8	1644.8	1644.8	1672.7	1690.4	1708.0	1720.7	1690.4	1655.0
52.5°	1508.5	1505.9	1508.5	1516.0	1526.2	1538.8	1569.1	1586.8	1607.0	1589.3	1533.7
55°	1382.1	1387.1	1382.1	1384.7	1389.7	1397.3	1442.8	1460.4	1498.4	1475.6	1417.5
57.5°	1255.8	1248.2	1255.8	1260.8	1263.3	1271.0	1308.8	1341.7	1364.4	1367.0	1296.2
60°	1109.2	1099.1	1109.2	1131.9	1137.0	1142.1	1177.5	1207.8	1227.9	1235.6	1162.3
62.5°	980.4	962.7	980.4	995.5	1005.6	1018.2	1043.5	1089.0	1106.7	1109.2	1005.6
65°	843.9	836.4	843.9	874.2	876.7	891.9	919.8	952.6	990.4	985.5	836.4
67.5°	720.1	720.1	720.1	740.3	755.5	763.0	798.4	813.6	861.6	866.7	697.4
70°	606.4	603.9	606.4	621.5	631.7	649.4	682.2	699.9	737.8	750.4	566.0
72.5°	497.8	495.2	497.8	510.4	520.5	535.7	563.5	583.7	616.6	631.7	439.7
75°	401.8	396.7	401.8	411.8	409.3	429.5	452.3	472.5	502.9	512.9	326.0
77.5°	308.3	308.3	308.3	318.4	318.4	338.6	348.7	374.0	391.7	406.8	240.0
80°	230.0	227.4	230.0	232.5	232.5	242.6	260.3	278.0	293.1	293.1	164.3
82.5°	161.7	156.6	161.7	161.7	161.7	166.8	176.9	182.0	192.0	199.7	103.6
85°	101.1	101.1	101.1	103.6	101.1	106.1	108.6	113.7	113.7	108.6	63.2
87.5°	65.7	63.2	65.7	63.2	63.2	60.6	60.6	60.6	58.1	55.6	35.4
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°	90.3	72.3	90.3	108.1	112.6	159.7	222.4	253.8	222.8	160.9	114.5
95°	314.6	260.3	314.6	368.8	382.4	502.1	661.8	741.6	626.3	395.8	222.9
97.5°	753.6	650.3	753.6	856.9	882.8	958.4	1059.3	1109.8	917.6	533.2	244.9
100°	1085.9	962.8	1085.9	1208.8	1239.6	1234.1	1226.7	1223.0	1009.7	583.2	263.2
102.5°	1412.6	1307.2	1412.6	1518.0	1544.3	1447.9	1319.3	1255.0	1038.7	606.0	281.6
105°	1829.1	1772.5	1829.1	1885.8	1900.0	1683.8	1395.6	1251.5	1042.0	623.1	308.9
107.5°	2102.1	2115.8	2102.1	2088.4	2085.0	1783.4	1381.3	1180.3	995.6	626.2	349.2
110°	2206.2	2265.2	2206.2	2147.1	2132.4	1795.3	1345.7	1121.0	954.5	621.4	371.7





TEST NUMBER: P934848

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2215.4	2306.1	2215.4	2124.9	2102.2	1757.2	1297.2	1067.1	918.6	621.6	398.9
115°	2156.7	2282.3	2156.7	2031.0	1999.6	1667.2	1224.0	1002.5	877.4	627.4	439.8
117.5°	2032.1	2171.5	2032.1	1892.7	1857.9	1557.9	1157.9	958.0	851.7	639.1	479.6
120°	1931.8	2067.2	1931.8	1796.3	1762.5	1488.4	1123.0	940.2	843.0	648.5	502.7
122.5°	1834.0	1967.6	1834.0	1700.4	1667.0	1420.2	1091.1	926.6	838.4	662.2	530.0
125°	1694.6	1817.6	1694.6	1571.5	1540.7	1331.0	1051.5	911.7	834.7	680.5	564.9
127.5°	1569.1	1673.0	1569.1	1465.3	1439.4	1259.3	1019.3	899.3	832.6	699.0	598.8
130°	1495.2	1591.1	1495.2	1399.4	1375.4	1215.1	1001.4	894.6	833.9	712.4	621.2
132.5°	1428.2	1514.0	1428.2	1342.3	1320.8	1177.4	986.0	890.4	834.7	723.3	639.7
135°	1336.3	1410.3	1336.3	1262.3	1243.7	1123.6	963.5	883.3	833.9	735.1	661.0
137.5°	1262.6	1323.2	1262.6	1201.9	1186.8	1085.3	949.8	882.1	839.1	752.9	688.3
140°	1212.1	1268.7	1212.1	1155.4	1141.2	1053.4	936.5	878.0	839.9	763.7	706.6
142.5°	1170.1	1218.9	1170.1	1121.3	1109.2	1032.1	929.3	878.0	843.0	772.9	720.3
145°	1107.3	1144.2	1107.3	1070.4	1061.2	998.2	914.1	872.0	843.0	784.7	741.0
147.5°	1059.0	1089.6	1059.0	1028.5	1020.8	971.2	905.1	872.0	848.7	802.2	767.2
150°	1028.7	1053.4	1028.7	1003.9	997.7	955.8	900.0	872.0	851.8	811.1	780.7
152.5°	1002.7	1021.4	1002.7	984.0	979.3	943.6	895.9	872.0	853.7	817.1	789.6
155°	972.9	985.3	972.9	960.5	957.4	928.9	891.0	872.0	858.1	830.2	809.2
157.5°	949.3	958.0	949.3	940.6	938.4	916.3	886.8	872.0	862.4	843.2	828.7
160°	935.3	940.2	935.3	930.2	928.9	910.0	884.7	872.0	864.4	849.1	837.6
162.5°	926.0	930.8	926.0	921.2	920.0	904.1	882.8	872.0	866.5	855.5	847.2
165°	912.7	917.7	912.7	907.7	906.5	895.0	879.7	872.0	869.6	864.5	860.8
167.5°	903.1	905.2	903.1	901.0	900.5	893.0	882.9	878.0	875.9	871.7	868.5
170°	900.5	900.5	900.5	900.5	900.5	893.0	882.9	878.0	877.9	877.6	877.4
172.5°	893.5	891.6	893.5	895.3	895.8	889.8	881.9	878.0	878.0	878.0	878.0
175°	889.3	889.3	889.3	889.3	889.3	885.5	880.5	878.0	879.1	881.5	883.3
177.5°	885.4	883.3	885.4	887.5	888.0	885.1	881.1	879.1	880.1	881.9	883.3
180°	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3



TEST NUMBER: P934848

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7
2.5°	2708.6	2693.5	2693.5	2668.3	2658.1	2650.6	2637.8	2600.0	2589.8	2579.8	2594.9
5°	2731.4	2703.5	2683.4	2637.8	2600.0	2584.8	2536.8	2445.8	2385.2	2339.7	2314.5
7.5°	2736.4	2701.1	2663.2	2592.4	2501.4	2461.0	2314.5	2147.7	2102.2	2061.8	2036.5
10°	2731.4	2690.9	2637.8	2531.8	2317.0	2246.3	2099.7	1991.1	1963.3	1955.7	1963.3
12.5°	2713.7	2675.8	2602.5	2425.7	2124.9	2076.9	1991.1	1927.9	1922.8	1935.4	2003.7
15°	2683.4	2648.0	2562.1	2284.2	2018.8	1983.4	1922.8	1900.1	1927.9	2016.3	2220.9
17.5°	2653.1	2612.6	2506.5	2145.2	1938.0	1912.8	1869.7	1915.3	2071.9	2190.6	2258.9
20°	2612.6	2564.6	2443.4	2044.1	1879.9	1857.1	1836.9	2041.6	2160.3	2203.3	2241.2
22.5°	2564.6	2514.1	2357.4	1973.4	1819.3	1801.6	1814.2	2112.3	2160.3	2190.6	2223.5
25°	2501.4	2458.5	2256.3	1917.7	1771.3	1751.0	1799.0	2104.8	2132.5	2140.2	2205.8
27.5°	2443.4	2387.7	2150.2	1867.3	1713.1	1705.6	1811.7	2071.9	2092.2	2099.7	2170.5
30°	2372.6	2289.2	2031.4	1814.2	1652.5	1649.9	1814.2	2031.4	2026.5	2046.6	2117.4
32.5°	2299.4	2142.6	1897.6	1748.5	1594.4	1591.9	1796.5	1970.8	1965.7	1993.6	2046.6
35°	2231.1	2028.9	1715.6	1672.7	1521.1	1523.6	1753.6	1900.1	1902.6	1927.9	1960.8
37.5°	2160.3	1930.4	1516.0	1589.3	1450.4	1450.4	1695.4	1834.4	1829.4	1836.9	1882.4
40°	2076.9	1776.3	1339.1	1480.7	1384.7	1377.0	1624.7	1763.6	1745.9	1743.4	1806.6
42.5°	1988.5	1607.0	1207.8	1336.7	1308.8	1298.7	1538.8	1677.7	1644.8	1652.5	1733.3
45°	1892.5	1561.5	1106.7	1129.5	1230.5	1223.0	1445.3	1579.2	1556.5	1576.7	1660.0
47.5°	1796.5	1470.5	1073.9	937.5	1147.1	1144.6	1341.7	1483.2	1470.5	1490.8	1579.2
50°	1665.1	1369.5	1071.3	803.5	1053.6	1063.8	1217.9	1389.7	1389.7	1407.4	1500.8
52.5°	1495.8	1245.6	972.8	727.7	945.0	975.3	1109.2	1308.8	1313.9	1331.6	1415.0
55°	1341.7	1116.8	902.1	669.6	816.1	881.8	1003.1	1225.5	1235.6	1253.3	1329.0
57.5°	1200.2	929.8	886.9	601.3	697.4	760.6	909.6	1144.6	1149.6	1164.8	1238.1
60°	1048.6	672.1	813.6	528.1	593.8	641.8	823.7	1048.6	1066.3	1076.4	1139.6
62.5°	876.7	487.7	737.8	477.5	543.2	553.3	753.0	957.6	980.4	987.9	1025.8
65°	624.1	409.3	626.6	434.6	490.1	492.7	677.2	864.1	884.4	897.0	924.7
67.5°	422.0	333.5	477.5	394.1	449.8	452.3	603.9	755.5	783.3	793.4	811.0
70°	293.1	222.3	353.7	351.2	404.3	409.3	525.5	656.9	682.2	689.8	699.9
72.5°	214.8	179.4	293.1	315.8	356.3	361.3	444.7	545.8	571.0	578.6	583.7
75°	164.3	189.5	237.5	275.4	303.2	305.7	363.8	444.7	462.4	467.5	470.0
77.5°	131.4	176.9	174.3	222.3	247.7	242.6	285.5	343.7	358.8	358.8	358.8
80°	98.6	138.9	131.4	159.2	182.0	176.9	204.6	245.1	250.1	255.2	252.6
82.5°	73.2	88.4	88.4	101.1	121.2	116.3	136.4	159.2	159.2	159.2	164.3
85°	45.5	50.5	40.4	53.1	68.2	65.7	75.8	85.9	88.4	88.4	83.4
87.5°	27.8	22.8	12.6	20.2	30.3	30.3	35.4	37.9	35.4	35.4	35.4
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	114.5	160.9	222.8	253.8	222.4	159.7
95°	204.4	130.7	56.9	130.7	204.4	222.9	395.8	626.3	741.6	661.8	502.1
97.5°	228.6	163.5	98.4	163.5	228.6	244.9	533.2	917.6	1109.8	1059.3	958.4
100°	248.5	189.4	130.4	189.4	248.5	263.2	583.2	1009.7	1223.0	1226.7	1234.1
102.5°	267.8	212.8	157.7	212.8	267.8	281.6	606.0	1038.7	1255.0	1319.3	1447.9
105°	297.2	250.6	204.0	250.6	297.2	308.9	623.1	1042.0	1251.5	1395.6	1683.8
107.5°	338.3	294.9	251.4	294.9	338.3	349.2	626.2	995.6	1180.3	1381.3	1783.4
110°	361.8	322.6	283.4	322.6	361.8	371.7	621.4	954.5	1121.0	1345.7	1795.3



TEST NUMBER: P934848

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	389.6	352.2	314.8	352.2	389.6	398.9	621.6	918.6	1067.1	1297.2	1757.2
115°	431.2	396.7	362.2	396.7	431.2	439.8	627.4	877.4	1002.5	1224.0	1667.2
117.5°	471.8	440.4	409.1	440.4	471.8	479.6	639.1	851.7	958.0	1157.9	1557.9
120°	495.3	465.8	436.3	465.8	495.3	502.7	648.5	843.0	940.2	1123.0	1488.4
122.5°	522.6	492.8	463.0	492.8	522.6	530.0	662.2	838.4	926.6	1091.1	1420.2
125°	558.1	531.1	503.9	531.1	558.1	564.9	680.5	834.7	911.7	1051.5	1331.0
127.5°	591.9	564.5	537.1	564.5	591.9	598.8	699.0	832.6	899.3	1019.3	1259.3
130°	613.9	584.3	554.9	584.3	613.9	621.2	712.4	833.9	894.6	1001.4	1215.1
132.5°	632.3	602.8	573.2	602.8	632.3	639.7	723.3	834.7	890.4	986.0	1177.4
135°	654.3	627.4	600.5	627.4	654.3	661.0	735.1	833.9	883.3	963.5	1123.6
137.5°	681.6	655.0	628.4	655.0	681.6	688.3	752.9	839.1	882.1	949.8	1085.3
140°	700.5	676.0	651.5	676.0	700.5	706.6	763.7	839.9	878.0	936.5	1053.4
142.5°	714.7	692.0	669.3	692.0	714.7	720.3	772.9	843.0	878.0	929.3	1032.1
145°	736.1	716.4	696.6	716.4	736.1	741.0	784.7	843.0	872.0	914.1	998.2
147.5°	762.4	743.1	723.8	743.1	762.4	767.2	802.2	848.7	872.0	905.1	971.2
150°	776.4	759.0	741.6	759.0	776.4	780.7	811.1	851.8	872.0	900.0	955.8
152.5°	786.4	773.2	760.0	773.2	786.4	789.6	817.1	853.7	872.0	895.9	943.6
155°	806.7	797.0	787.2	797.0	806.7	809.2	830.2	858.1	872.0	891.0	928.9
157.5°	826.3	816.9	807.4	816.9	826.3	828.7	843.2	862.4	872.0	886.8	916.3
160°	835.8	828.4	821.1	828.4	835.8	837.6	849.1	864.4	872.0	884.7	910.0
162.5°	845.8	840.2	834.7	840.2	845.8	847.2	855.5	866.5	872.0	882.8	904.1
165°	859.5	854.5	849.5	854.5	859.5	860.8	864.5	869.6	872.0	879.7	895.0
167.5°	867.9	865.5	863.2	865.5	867.9	868.5	871.7	875.9	878.0	882.9	893.0
170°	876.8	874.4	872.0	874.4	876.8	877.4	877.6	877.9	878.0	882.9	893.0
172.5°	877.9	877.3	876.8	877.3	877.9	878.0	878.0	878.0	878.0	881.9	889.8
175°	883.3	883.3	883.3	883.3	883.3	883.3	881.5	879.1	878.0	880.5	885.5
177.5°	883.3	883.3	883.3	883.3	883.3	883.3	881.9	880.1	879.1	881.1	885.1
180°	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3



TEST NUMBER: P934848

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7
2.5°	2577.2	2569.7	2579.8	2552.0	2579.8	2569.7	2577.2	2594.9	2579.8	2589.8	2600.0
5°	2261.4	2248.8	2208.3	2175.5	2208.3	2248.8	2261.4	2314.5	2339.7	2385.2	2445.8
7.5°	2021.4	2011.3	2001.1	1980.9	2001.1	2011.3	2021.4	2036.5	2061.8	2102.2	2147.7
10°	1968.3	1970.8	1986.0	1983.4	1986.0	1970.8	1968.3	1963.3	1955.7	1963.3	1991.1
12.5°	2104.8	2127.5	2210.9	2205.8	2210.9	2127.5	2104.8	2003.7	1935.4	1922.8	1927.9
15°	2261.4	2269.0	2286.6	2289.2	2286.6	2269.0	2261.4	2220.9	2016.3	1927.9	1900.1
17.5°	2276.6	2279.1	2291.7	2291.7	2291.7	2279.1	2276.6	2258.9	2190.6	2071.9	1915.3
20°	2264.0	2269.0	2294.3	2299.4	2294.3	2269.0	2264.0	2241.2	2203.3	2160.3	2041.6
22.5°	2258.9	2269.0	2289.2	2286.6	2289.2	2269.0	2258.9	2223.5	2190.6	2160.3	2112.3
25°	2233.6	2233.6	2236.2	2238.6	2236.2	2233.6	2233.6	2205.8	2140.2	2132.5	2104.8
27.5°	2180.6	2185.6	2200.8	2198.3	2200.8	2185.6	2180.6	2170.5	2099.7	2092.2	2071.9
30°	2132.5	2127.5	2114.8	2104.8	2114.8	2127.5	2132.5	2117.4	2046.6	2026.5	2031.4
32.5°	2051.7	2039.1	2026.5	2018.8	2026.5	2039.1	2051.7	2046.6	1993.6	1965.7	1970.8
35°	1955.7	1958.2	1955.7	1948.1	1955.7	1958.2	1955.7	1960.8	1927.9	1902.6	1900.1
37.5°	1887.4	1892.5	1890.0	1879.9	1890.0	1892.5	1887.4	1882.4	1836.9	1829.4	1834.4
40°	1816.7	1819.3	1816.7	1809.1	1816.7	1819.3	1816.7	1806.6	1743.4	1745.9	1763.6
42.5°	1748.5	1745.9	1738.4	1733.3	1738.4	1745.9	1748.5	1733.3	1652.5	1644.8	1677.7
45°	1670.2	1672.7	1657.6	1649.9	1657.6	1672.7	1670.2	1660.0	1576.7	1556.5	1579.2
47.5°	1591.9	1591.9	1579.2	1571.6	1579.2	1591.9	1591.9	1579.2	1490.8	1470.5	1483.2
50°	1508.5	1505.9	1488.2	1485.7	1488.2	1505.9	1508.5	1500.8	1407.4	1389.7	1389.7
52.5°	1412.4	1412.4	1415.0	1420.0	1415.0	1412.4	1412.4	1415.0	1331.6	1313.9	1308.8
55°	1329.0	1331.6	1349.3	1354.4	1349.3	1331.6	1329.0	1329.0	1253.3	1235.6	1225.5
57.5°	1243.1	1243.1	1255.8	1255.8	1255.8	1243.1	1243.1	1238.1	1164.8	1149.6	1144.6
60°	1144.6	1149.6	1159.8	1157.3	1159.8	1149.6	1144.6	1139.6	1076.4	1066.3	1048.6
62.5°	1041.0	1046.1	1048.6	1043.5	1048.6	1046.1	1041.0	1025.8	987.9	980.4	957.6
65°	932.4	937.5	939.9	934.9	939.9	937.5	932.4	924.7	897.0	884.4	864.1
67.5°	821.2	818.7	816.1	826.2	816.1	818.7	821.2	811.0	793.4	783.3	755.5
70°	707.5	707.5	704.9	710.0	704.9	707.5	707.5	699.9	689.8	682.2	656.9
72.5°	586.2	583.7	593.8	586.2	593.8	583.7	586.2	583.7	578.6	571.0	545.8
75°	467.5	472.5	467.5	475.0	467.5	472.5	467.5	470.0	467.5	462.4	444.7
77.5°	356.3	361.3	356.3	356.3	356.3	361.3	356.3	358.8	358.8	358.8	343.7
80°	252.6	250.1	250.1	247.7	250.1	250.1	252.6	252.6	255.2	250.1	245.1
82.5°	161.7	159.2	159.2	164.3	159.2	159.2	161.7	164.3	159.2	159.2	159.2
85°	88.4	90.9	85.9	85.9	85.9	90.9	88.4	83.4	88.4	88.4	85.9
87.5°	32.9	30.3	30.3	30.3	30.3	30.3	32.9	35.4	35.4	35.4	37.9
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	90.3	72.3	90.3	108.1	112.6	159.7	222.4	253.8	222.8
95°	382.4	368.8	314.6	260.3	314.6	368.8	382.4	502.1	661.8	741.6	626.3
97.5°	882.8	856.9	753.6	650.3	753.6	856.9	882.8	958.4	1059.3	1109.8	917.6
100°	1239.6	1208.8	1085.9	962.8	1085.9	1208.8	1239.6	1234.1	1226.7	1223.0	1009.7
102.5°	1544.3	1518.0	1412.6	1307.2	1412.6	1518.0	1544.3	1447.9	1319.3	1255.0	1038.7
105°	1900.0	1885.8	1829.1	1772.5	1829.1	1885.8	1900.0	1683.8	1395.6	1251.5	1042.0
107.5°	2085.0	2088.4	2102.1	2115.8	2102.1	2088.4	2085.0	1783.4	1381.3	1180.3	995.6
110°	2132.4	2147.1	2206.2	2265.2	2206.2	2147.1	2132.4	1795.3	1345.7	1121.0	954.5



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2102.2	2124.9	2215.4	2306.1	2215.4	2124.9	2102.2	1757.2	1297.2	1067.1	918.6
115°	1999.6	2031.0	2156.7	2282.3	2156.7	2031.0	1999.6	1667.2	1224.0	1002.5	877.4
117.5°	1857.9	1892.7	2032.1	2171.5	2032.1	1892.7	1857.9	1557.9	1157.9	958.0	851.7
120°	1762.5	1796.3	1931.8	2067.2	1931.8	1796.3	1762.5	1488.4	1123.0	940.2	843.0
122.5°	1667.0	1700.4	1834.0	1967.6	1834.0	1700.4	1667.0	1420.2	1091.1	926.6	838.4
125°	1540.7	1571.5	1694.6	1817.6	1694.6	1571.5	1540.7	1331.0	1051.5	911.7	834.7
127.5°	1439.4	1465.3	1569.1	1673.0	1569.1	1465.3	1439.4	1259.3	1019.3	899.3	832.6
130°	1375.4	1399.4	1495.2	1591.1	1495.2	1399.4	1375.4	1215.1	1001.4	894.6	833.9
132.5°	1320.8	1342.3	1428.2	1514.0	1428.2	1342.3	1320.8	1177.4	986.0	890.4	834.7
135°	1243.7	1262.3	1336.3	1410.3	1336.3	1262.3	1243.7	1123.6	963.5	883.3	833.9
137.5°	1186.8	1201.9	1262.6	1323.2	1262.6	1201.9	1186.8	1085.3	949.8	882.1	839.1
140°	1141.2	1155.4	1212.1	1268.7	1212.1	1155.4	1141.2	1053.4	936.5	878.0	839.9
142.5°	1109.2	1121.3	1170.1	1218.9	1170.1	1121.3	1109.2	1032.1	929.3	878.0	843.0
145°	1061.2	1070.4	1107.3	1144.2	1107.3	1070.4	1061.2	998.2	914.1	872.0	843.0
147.5°	1020.8	1028.5	1059.0	1089.6	1059.0	1028.5	1020.8	971.2	905.1	872.0	848.7
150°	997.7	1003.9	1028.7	1053.4	1028.7	1003.9	997.7	955.8	900.0	872.0	851.8
152.5°	979.3	984.0	1002.7	1021.4	1002.7	984.0	979.3	943.6	895.9	872.0	853.7
155°	957.4	960.5	972.9	985.3	972.9	960.5	957.4	928.9	891.0	872.0	858.1
157.5°	938.4	940.6	949.3	958.0	949.3	940.6	938.4	916.3	886.8	872.0	862.4
160°	928.9	930.2	935.3	940.2	935.3	930.2	928.9	910.0	884.7	872.0	864.4
162.5°	920.0	921.2	926.0	930.8	926.0	921.2	920.0	904.1	882.8	872.0	866.5
165°	906.5	907.7	912.7	917.7	912.7	907.7	906.5	895.0	879.7	872.0	869.6
167.5°	900.5	901.0	903.1	905.2	903.1	901.0	900.5	893.0	882.9	878.0	875.9
170°	900.5	900.5	900.5	900.5	900.5	900.5	900.5	893.0	882.9	878.0	877.9
172.5°	895.8	895.3	893.5	891.6	893.5	895.3	895.8	889.8	881.9	878.0	878.0
175°	889.3	889.3	889.3	889.3	889.3	889.3	889.3	885.5	880.5	878.0	879.1
177.5°	888.0	887.5	885.4	883.3	885.4	887.5	888.0	885.1	881.1	879.1	880.1
180°	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2670.7	2670.7	2670.7	2670.7	2670.7
2.5°	2637.8	2650.6	2658.1	2668.3	2693.5
5°	2536.8	2584.8	2600.0	2637.8	2683.4
7.5°	2314.5	2461.0	2501.4	2592.4	2663.2
10°	2099.7	2246.3	2317.0	2531.8	2637.8
12.5°	1991.1	2076.9	2124.9	2425.7	2602.5
15°	1922.8	1983.4	2018.8	2284.2	2562.1
17.5°	1869.7	1912.8	1938.0	2145.2	2506.5
20°	1836.9	1857.1	1879.9	2044.1	2443.4
22.5°	1814.2	1801.6	1819.3	1973.4	2357.4
25°	1799.0	1751.0	1771.3	1917.7	2256.3
27.5°	1811.7	1705.6	1713.1	1867.3	2150.2
30°	1814.2	1649.9	1652.5	1814.2	2031.4
32.5°	1796.5	1591.9	1594.4	1748.5	1897.6
35°	1753.6	1523.6	1521.1	1672.7	1715.6
37.5°	1695.4	1450.4	1450.4	1589.3	1516.0
40°	1624.7	1377.0	1384.7	1480.7	1339.1
42.5°	1538.8	1298.7	1308.8	1336.7	1207.8
45°	1445.3	1223.0	1230.5	1129.5	1106.7
47.5°	1341.7	1144.6	1147.1	937.5	1073.9
50°	1217.9	1063.8	1053.6	803.5	1071.3
52.5°	1109.2	975.3	945.0	727.7	972.8
55°	1003.1	881.8	816.1	669.6	902.1
57.5°	909.6	760.6	697.4	601.3	886.9
60°	823.7	641.8	593.8	528.1	813.6
62.5°	753.0	553.3	543.2	477.5	737.8
65°	677.2	492.7	490.1	434.6	626.6
67.5°	603.9	452.3	449.8	394.1	477.5
70°	525.5	409.3	404.3	351.2	353.7
72.5°	444.7	361.3	356.3	315.8	293.1
75°	363.8	305.7	303.2	275.4	237.5
77.5°	285.5	242.6	247.7	222.3	174.3
80°	204.6	176.9	182.0	159.2	131.4
82.5°	136.4	116.3	121.2	101.1	88.4
85°	75.8	65.7	68.2	53.1	40.4
87.5°	35.4	30.3	30.3	20.2	12.6
90°	26.1	16.6	15.5	10.7	5.9
92.5°	160.9	114.5	104.4	64.1	23.7
95°	395.8	222.9	204.4	130.7	56.9
97.5°	533.2	244.9	228.6	163.5	98.4
100°	583.2	263.2	248.5	189.4	130.4
102.5°	606.0	281.6	267.8	212.8	157.7
105°	623.1	308.9	297.2	250.6	204.0
107.5°	626.2	349.2	338.3	294.9	251.4
110°	621.4	371.7	361.8	322.6	283.4



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	621.6	398.9	389.6	352.2	314.8
115°	627.4	439.8	431.2	396.7	362.2
117.5°	639.1	479.6	471.8	440.4	409.1
120°	648.5	502.7	495.3	465.8	436.3
122.5°	662.2	530.0	522.6	492.8	463.0
125°	680.5	564.9	558.1	531.1	503.9
127.5°	699.0	598.8	591.9	564.5	537.1
130°	712.4	621.2	613.9	584.3	554.9
132.5°	723.3	639.7	632.3	602.8	573.2
135°	735.1	661.0	654.3	627.4	600.5
137.5°	752.9	688.3	681.6	655.0	628.4
140°	763.7	706.6	700.5	676.0	651.5
142.5°	772.9	720.3	714.7	692.0	669.3
145°	784.7	741.0	736.1	716.4	696.6
147.5°	802.2	767.2	762.4	743.1	723.8
150°	811.1	780.7	776.4	759.0	741.6
152.5°	817.1	789.6	786.4	773.2	760.0
155°	830.2	809.2	806.7	797.0	787.2
157.5°	843.2	828.7	826.3	816.9	807.4
160°	849.1	837.6	835.8	828.4	821.1
162.5°	855.5	847.2	845.8	840.2	834.7
165°	864.5	860.8	859.5	854.5	849.5
167.5°	871.7	868.5	867.9	865.5	863.2
170°	877.6	877.4	876.8	874.4	872.0
172.5°	878.0	878.0	877.9	877.3	876.8
175°	881.5	883.3	883.3	883.3	883.3
177.5°	881.9	883.3	883.3	883.3	883.3
180°	883.3	883.3	883.3	883.3	883.3



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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.98	14.89	14.90	15.82	17.02	16.82	17.72	17.73	18.66	19.86
	3H	14.46	15.27	15.39	16.22	17.44	18.17	18.98	19.10	19.92	21.15
	4H	14.65	15.42	15.60	16.37	17.60	18.62	19.38	19.56	20.33	21.57
	6H	14.77	15.48	15.73	16.44	17.68	18.91	19.61	19.86	20.57	21.82
	8H	14.78	15.45	15.74	16.42	17.67	18.98	19.66	19.94	20.63	21.87
	12H	14.75	15.39	15.72	16.36	17.63	19.02	19.67	19.99	20.63	21.90
4H	2H	15.02	15.79	15.97	16.74	17.97	17.23	18.00	18.18	18.95	20.18
	3H	16.05	16.69	17.01	17.67	18.92	18.74	19.38	19.70	20.36	21.61
	4H	16.33	16.91	17.30	17.89	19.16	19.28	19.86	20.24	20.83	22.11
	6H	16.46	16.96	17.44	17.96	19.23	19.65	20.15	20.63	21.15	22.42
	8H	16.46	16.93	17.45	17.92	19.21	19.75	20.22	20.74	21.21	22.50
	12H	16.43	16.86	17.43	17.86	19.16	19.82	20.24	20.82	21.25	22.54
8H	4H	16.79	17.26	17.77	18.25	19.53	19.40	19.87	20.39	20.86	22.15
	6H	17.05	17.44	18.06	18.47	19.76	19.84	20.23	20.85	21.26	22.55
	8H	17.09	17.44	18.11	18.46	19.76	20.00	20.34	21.01	21.36	22.66
	12H	17.08	17.38	18.10	18.39	19.74	20.10	20.40	21.12	21.41	22.76
12H	4H	16.80	17.22	17.80	18.23	19.52	19.37	19.79	20.37	20.80	22.09
	6H	17.11	17.46	18.13	18.47	19.78	19.84	20.19	20.86	21.20	22.51
	8H	17.18	17.48	18.20	18.50	19.84	20.01	20.31	21.03	21.32	22.67