

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: P934377

Luminaire Tested: SQ4-FA-050U-075D-B2750-1D-UNV-W2A-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934377
REPORT IS A COMBINATION OF REPORTS P933693 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-075D-B2750-1D-UNV-W2A-W-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

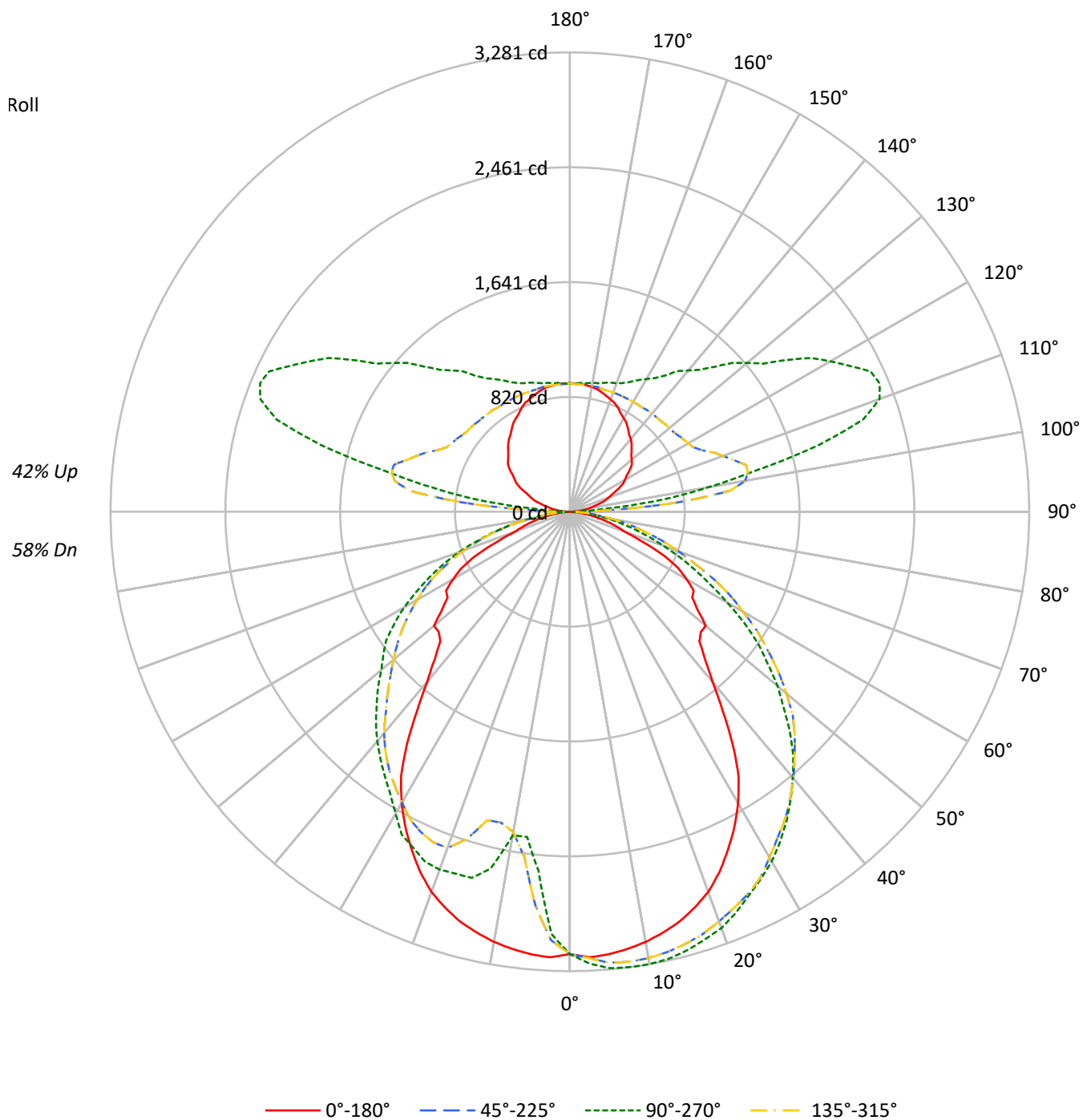
Lumens per Lamp: N/A
Luminaire Lumens: 14141.1 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 109.2
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

TEST NUMBER: P934377

CATALOG NUMBER: SQ4-FA-050U-075D-B2750-1D-UNV-W2A-W-12-2700K

Luminous Intensity Polar Plot



TEST NUMBER: P934377

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	63	63	63
1	100	95	91	88	93	89	86	83	77	75	72	66	64	63	56	55	54
2	91	83	77	72	84	78	72	68	68	63	60	58	55	52	49	47	45
3	83	73	66	60	77	68	62	57	60	55	50	51	48	44	44	41	39
4	76	65	57	51	70	61	54	48	53	47	43	46	41	38	39	36	33
5	70	58	49	43	65	54	47	41	47	42	37	41	37	33	35	32	29
6	64	52	44	38	60	49	41	36	43	37	32	37	32	29	32	28	25
7	59	47	39	33	55	44	37	31	39	33	28	34	29	25	29	25	23
8	55	42	35	29	51	40	33	28	35	29	25	31	26	23	27	23	20
9	51	39	31	26	48	37	30	25	32	27	23	28	24	20	25	21	18
10	48	36	28	23	45	34	27	22	30	24	20	26	22	18	23	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9769	9769	9769	9769
5°	9846	9862	9846	7754
10°	9784	9714	9784	6945
15°	9681	9504	9681	7936
20°	9482	9254	9482	7952
25°	9072	8891	9072	7784
30°	8539	8589	8539	7414
35°	7617	8207	7617	7007
40°	6350	7757	6350	6700
45°	5677	7231	5677	6347
50°	6036	6603	6036	5992
55°	5685	5927	5685	5787
60°	5867	5034	5867	5300
65°	5328	4161	5328	4652
70°	3698	3316	3698	3899
75°	3256	2451	3256	2935
80°	2643	1621	2643	1765
85°	1549	858	1549	730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 8696 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.1	2.0
10°-20°	809.5	5.7
20°-30°	1251.3	8.8
30°-40°	1493.8	10.6
40°-50°	1502.5	10.6
50°-60°	1307.4	9.2
60°-70°	926.9	6.6
70°-80°	490.4	3.5
80°-90°	125.6	0.9
90°-100°	447.3	3.2
100°-110°	1176.0	8.3
110°-120°	1219.3	8.6
120°-130°	978.1	6.9
130°-140°	767.4	5.4
140°-150°	589.0	4.2
150°-160°	424.2	3.0
160°-170°	259.6	1.8
170°-180°	87.7	0.6
0°-30°	2345.9	16.6
0°-40°	3839.7	27.2
0°-60°	6649.5	47.0
0°-90°	8192.5	57.9
90°-120°	2842.6	20.1
90°-150°	5177.1	36.6
90°-180°	5949.0	42.1
0°-180°	14141.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3158	3158	3158	3158	3158	
5°	3173	3272	3173	2573	3173	301
15°	3030	3242	3030	2707	3030	853
25°	2668	3024	2668	2648	2668	1225
35°	2029	2698	2029	2304	2029	1255
45°	1309	2223	1309	1951	1309	1048
55°	1067	1640	1067	1602	1067	980
65°	741	989	741	1106	741	708
75°	281	469	281	562	281	295
85°	48	120	48	102	48	65
90°	6	23	6	23	6	7
95°	59	270	59	270	59	66
105°	212	1841	212	1841	212	225
115°	376	2371	376	2371	376	372
125°	524	1888	524	1888	524	465
135°	624	1465	624	1465	624	483
145°	724	1189	724	1189	724	453
155°	818	1024	818	1024	818	376
165°	883	953	883	953	883	249
175°	918	924	918	924	918	87
180°	918	918	918	918	918	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4
2.5°	3185.3	3185.3	3203.2	3209.2	3209.2	3200.2	3191.3	3200.2	3227.1	3236.1	3233.1
5°	3173.4	3197.3	3230.1	3236.1	3242.1	3239.1	3233.1	3239.1	3269.0	3274.9	3277.9
7.5°	3149.5	3194.3	3236.1	3245.1	3254.0	3245.1	3242.1	3248.1	3277.9	3283.9	3283.9
10°	3119.6	3182.3	3230.1	3236.1	3245.1	3236.1	3236.1	3248.1	3277.9	3283.9	3286.9
12.5°	3077.7	3164.4	3209.2	3215.2	3227.1	3224.2	3221.2	3233.1	3263.0	3269.0	3269.0
15°	3029.9	3131.5	3173.4	3179.3	3200.2	3194.3	3194.3	3206.2	3239.1	3248.1	3245.1
17.5°	2964.2	3089.7	3137.5	3146.5	3161.4	3158.4	3161.4	3173.4	3203.2	3209.2	3212.2
20°	2889.5	3032.9	3089.7	3098.7	3113.6	3113.6	3113.6	3128.5	3158.4	3170.4	3170.4
22.5°	2787.9	2973.2	3032.9	3038.9	3056.8	3056.8	3062.8	3083.7	3110.6	3113.6	3113.6
25°	2668.4	2907.4	2958.2	2976.1	2994.1	3003.0	3012.0	3024.0	3032.9	3029.9	3032.9
27.5°	2542.8	2823.8	2889.5	2901.4	2925.4	2934.3	2946.3	2949.3	2952.2	2961.2	2955.2
30°	2402.4	2707.2	2805.8	2817.8	2856.6	2862.6	2850.7	2856.6	2871.6	2877.5	2883.5
32.5°	2244.0	2533.8	2719.2	2746.1	2781.9	2764.0	2761.0	2770.0	2793.9	2793.9	2799.9
35°	2028.9	2399.4	2638.5	2662.4	2689.3	2668.4	2680.3	2683.3	2698.3	2707.2	2704.2
37.5°	1792.8	2282.8	2554.7	2572.7	2593.6	2566.7	2584.6	2593.6	2605.5	2599.6	2599.6
40°	1583.6	2100.6	2456.1	2468.1	2486.0	2465.1	2483.0	2489.0	2495.0	2489.0	2486.0
42.5°	1428.3	1900.4	2351.6	2366.5	2354.5	2369.5	2375.5	2387.4	2378.4	2366.5	2366.5
45°	1308.7	1846.6	2238.0	2255.9	2238.0	2261.9	2270.9	2270.9	2244.0	2238.0	2235.0
47.5°	1269.9	1739.0	2124.5	2124.5	2115.5	2145.4	2160.3	2139.4	2112.5	2103.6	2103.6
50°	1266.9	1619.5	1969.1	1957.1	1999.0	2034.8	2019.9	1999.0	1978.1	1945.2	1945.2
52.5°	1150.4	1473.1	1768.9	1813.7	1879.5	1900.4	1876.5	1855.5	1819.7	1804.8	1792.8
55°	1066.7	1320.7	1586.6	1676.3	1745.0	1771.9	1727.1	1706.1	1652.4	1643.4	1637.4
57.5°	1048.8	1099.6	1419.3	1532.8	1616.5	1613.5	1586.6	1547.8	1503.0	1494.0	1491.0
60°	962.1	794.8	1240.0	1374.5	1461.1	1452.2	1428.3	1392.4	1350.6	1344.6	1338.6
62.5°	872.5	576.7	1036.8	1189.2	1311.7	1308.7	1287.8	1234.0	1204.2	1189.2	1177.3
65°	741.0	484.1	738.0	989.0	1165.3	1171.3	1126.5	1087.6	1054.8	1036.8	1033.8
67.5°	564.7	394.4	499.0	824.7	1024.9	1018.9	962.1	944.2	902.4	893.4	875.5
70°	418.3	262.9	346.6	669.3	887.4	872.5	827.7	806.8	767.9	747.0	735.0
72.5°	346.6	212.1	254.0	519.9	747.0	729.1	690.2	666.3	633.5	615.5	603.6
75°	280.9	224.1	194.2	385.5	606.6	594.6	558.8	534.9	508.0	484.1	487.0
77.5°	206.2	209.2	155.4	283.9	481.1	463.1	442.2	412.3	400.4	376.5	376.5
80°	155.4	164.3	116.5	194.2	346.6	346.6	328.7	307.8	286.8	274.9	274.9
82.5°	104.6	104.6	86.7	122.5	236.1	227.1	215.1	209.2	197.2	191.2	191.2
85°	47.8	59.8	53.8	74.7	128.5	134.5	134.5	128.5	125.5	119.5	122.5
87.5°	14.9	26.9	32.9	41.8	65.7	68.7	71.7	71.7	71.7	74.7	74.7
90°	6.2	11.1	16.0	17.2	27.1	40.2	46.8	41.6	31.2	23.4	23.4
92.5°	24.6	66.4	108.4	118.8	167.0	231.4	263.5	231.0	165.8	117.0	112.3
95°	59.2	135.8	212.4	231.6	411.1	650.7	770.4	687.4	521.6	397.2	383.1
97.5°	102.2	169.8	237.4	254.4	553.9	953.2	1152.9	1100.5	995.6	917.0	890.2
100°	135.5	196.8	258.1	273.4	605.8	1048.9	1270.5	1274.3	1282.0	1287.7	1255.8
102.5°	163.8	221.0	278.2	292.5	629.6	1079.1	1303.8	1370.5	1504.1	1604.3	1576.9
105°	211.8	260.3	308.7	320.8	647.2	1082.5	1300.1	1449.8	1749.2	1973.8	1959.0
107.5°	261.2	306.3	351.5	362.7	650.6	1034.3	1226.2	1435.0	1852.8	2166.0	2169.6
110°	294.4	335.2	376.0	386.1	645.6	991.6	1164.6	1398.1	1865.0	2215.2	2230.5

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	327.0	365.8	404.7	414.4	645.8	954.3	1108.5	1347.5	1825.4	2183.8	2207.3
115°	376.3	412.1	448.0	457.0	651.8	911.5	1041.4	1271.6	1731.9	2077.3	2109.9
117.5°	424.9	457.5	490.0	498.2	663.8	884.7	995.2	1203.0	1618.4	1930.0	1966.2
120°	453.3	484.0	514.5	522.2	673.7	875.8	976.8	1166.6	1546.2	1830.9	1866.1
122.5°	481.0	511.9	542.8	550.6	687.9	871.0	962.5	1133.4	1475.4	1731.7	1766.4
125°	523.5	551.7	579.9	586.9	707.1	867.1	947.2	1092.4	1382.7	1600.6	1632.5
127.5°	558.0	586.4	614.9	622.0	726.1	864.8	934.2	1058.9	1308.2	1495.3	1522.3
130°	576.5	607.2	637.7	645.4	740.0	866.2	929.4	1040.3	1262.3	1428.8	1453.7
132.5°	595.5	626.2	656.9	664.5	751.4	867.1	925.0	1024.4	1223.1	1372.1	1394.4
135°	623.9	651.8	679.7	686.6	763.6	866.3	917.6	1000.9	1167.3	1292.1	1311.3
137.5°	652.8	680.5	708.2	715.0	782.2	871.7	916.4	986.7	1127.5	1232.9	1248.7
140°	676.8	702.3	727.7	734.1	793.4	872.5	912.0	972.8	1094.4	1185.5	1200.3
142.5°	695.3	718.8	742.4	748.3	802.9	875.7	912.0	965.4	1072.2	1152.3	1164.9
145°	723.6	744.1	764.6	769.8	815.2	875.7	906.0	949.6	1036.9	1102.4	1111.9
147.5°	752.0	771.9	791.9	796.9	833.3	881.8	906.0	940.3	1009.0	1060.5	1068.5
150°	770.4	788.4	806.6	811.0	842.7	884.8	906.0	934.9	992.9	1036.4	1042.9
152.5°	789.5	803.2	816.9	820.3	848.9	886.9	906.0	930.8	980.3	1017.4	1022.3
155°	817.8	828.0	838.1	840.6	862.4	891.4	906.0	925.7	965.0	994.6	997.8
157.5°	838.8	848.7	858.5	860.9	876.0	896.0	906.0	921.3	951.9	974.9	977.2
160°	853.0	860.6	868.3	870.2	882.2	898.0	906.0	919.1	945.3	965.0	966.3
162.5°	867.1	872.9	878.7	880.1	888.7	900.2	906.0	917.0	939.1	955.8	957.0
165°	882.6	887.7	892.9	894.2	898.1	903.4	906.0	913.9	929.8	941.6	942.9
167.5°	896.7	899.1	901.6	902.2	905.5	909.8	912.0	917.2	927.7	935.4	936.0
170°	906.0	908.4	910.8	911.4	911.6	911.9	912.0	917.2	927.7	935.4	935.4
172.5°	910.8	911.3	911.9	912.0	912.0	912.0	912.0	916.1	924.4	930.6	930.1
175°	917.6	917.6	917.6	917.6	915.7	913.2	912.0	914.6	919.9	923.8	923.8
177.5°	917.6	917.6	917.6	917.6	916.2	914.3	913.3	915.4	919.5	922.6	922.0
180°	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4
2.5°	3239.1	3230.1	3239.1	3233.1	3236.1	3227.1	3200.2	3191.3	3200.2	3209.2	3209.2
5°	3277.9	3272.0	3277.9	3277.9	3274.9	3269.0	3239.1	3233.1	3239.1	3242.1	3236.1
7.5°	3289.9	3280.9	3289.9	3283.9	3283.9	3277.9	3248.1	3242.1	3245.1	3254.0	3245.1
10°	3289.9	3280.9	3289.9	3286.9	3283.9	3277.9	3248.1	3236.1	3236.1	3245.1	3236.1
12.5°	3274.9	3269.0	3274.9	3269.0	3269.0	3263.0	3233.1	3221.2	3224.2	3227.1	3215.2
15°	3251.0	3242.1	3251.0	3245.1	3248.1	3239.1	3206.2	3194.3	3194.3	3200.2	3179.3
17.5°	3215.2	3203.2	3215.2	3212.2	3209.2	3203.2	3173.4	3161.4	3158.4	3161.4	3146.5
20°	3173.4	3164.4	3173.4	3170.4	3170.4	3158.4	3128.5	3113.6	3113.6	3113.6	3098.7
22.5°	3107.6	3098.7	3107.6	3113.6	3113.6	3110.6	3083.7	3062.8	3056.8	3056.8	3038.9
25°	3032.9	3024.0	3032.9	3032.9	3029.9	3032.9	3024.0	3012.0	3003.0	2994.1	2976.1
27.5°	2961.2	2955.2	2961.2	2955.2	2961.2	2952.2	2949.3	2946.3	2934.3	2925.4	2901.4
30°	2889.5	2883.5	2889.5	2883.5	2877.5	2871.6	2856.6	2850.7	2862.6	2856.6	2817.8
32.5°	2799.9	2793.9	2799.9	2799.9	2793.9	2793.9	2770.0	2761.0	2764.0	2781.9	2746.1
35°	2707.2	2698.3	2707.2	2704.2	2707.2	2698.3	2683.3	2680.3	2668.4	2689.3	2662.4
37.5°	2599.6	2590.6	2599.6	2599.6	2599.6	2605.5	2593.6	2584.6	2566.7	2593.6	2572.7
40°	2489.0	2477.1	2489.0	2486.0	2489.0	2495.0	2489.0	2483.0	2465.1	2486.0	2468.1
42.5°	2363.5	2360.5	2363.5	2366.5	2366.5	2378.4	2387.4	2375.5	2369.5	2354.5	2366.5
45°	2229.0	2223.1	2229.0	2235.0	2238.0	2244.0	2270.9	2270.9	2261.9	2238.0	2255.9
47.5°	2085.6	2070.7	2085.6	2103.6	2103.6	2112.5	2139.4	2160.3	2145.4	2115.5	2124.5
50°	1933.2	1936.2	1933.2	1945.2	1945.2	1978.1	1999.0	2019.9	2034.8	1999.0	1957.1
52.5°	1783.8	1780.8	1783.8	1792.8	1804.8	1819.7	1855.5	1876.5	1900.4	1879.5	1813.7
55°	1634.4	1640.4	1634.4	1637.4	1643.4	1652.4	1706.1	1727.1	1771.9	1745.0	1676.3
57.5°	1485.0	1476.1	1485.0	1491.0	1494.0	1503.0	1547.8	1586.6	1613.5	1616.5	1532.8
60°	1311.7	1299.8	1311.7	1338.6	1344.6	1350.6	1392.4	1428.3	1452.2	1461.1	1374.5
62.5°	1159.3	1138.4	1159.3	1177.3	1189.2	1204.2	1234.0	1287.8	1308.7	1311.7	1189.2
65°	998.0	989.0	998.0	1033.8	1036.8	1054.8	1087.6	1126.5	1171.3	1165.3	989.0
67.5°	851.6	851.6	851.6	875.5	893.4	902.4	944.2	962.1	1018.9	1024.9	824.7
70°	717.1	714.1	717.1	735.0	747.0	767.9	806.8	827.7	872.5	887.4	669.3
72.5°	588.6	585.6	588.6	603.6	615.5	633.5	666.3	690.2	729.1	747.0	519.9
75°	475.1	469.1	475.1	487.0	484.1	508.0	534.9	558.8	594.6	606.6	385.5
77.5°	364.5	364.5	364.5	376.5	376.5	400.4	412.3	442.2	463.1	481.1	283.9
80°	271.9	268.9	271.9	274.9	274.9	286.8	307.8	328.7	346.6	346.6	194.2
82.5°	191.2	185.3	191.2	191.2	191.2	197.2	209.2	215.1	227.1	236.1	122.5
85°	119.5	119.5	119.5	122.5	119.5	125.5	128.5	134.5	134.5	128.5	74.7
87.5°	77.7	74.7	77.7	74.7	74.7	71.7	71.7	71.7	68.7	65.7	41.8
90°	23.4	23.4	23.4	23.4	23.4	31.2	41.6	46.8	40.2	27.1	17.2
92.5°	93.7	75.1	93.7	112.3	117.0	165.8	231.0	263.5	231.4	167.0	118.8
95°	326.7	270.3	326.7	383.1	397.2	521.6	687.4	770.4	650.7	411.1	231.6
97.5°	782.9	675.6	782.9	890.2	917.0	995.6	1100.5	1152.9	953.2	553.9	254.4
100°	1128.0	1000.2	1128.0	1255.8	1287.7	1282.0	1274.3	1270.5	1048.9	605.8	273.4
102.5°	1467.4	1357.9	1467.4	1576.9	1604.3	1504.1	1370.5	1303.8	1079.1	629.6	292.5
105°	1900.3	1841.4	1900.3	1959.0	1973.8	1749.2	1449.8	1300.1	1082.5	647.2	320.8
107.5°	2183.7	2198.0	2183.7	2169.6	2166.0	1852.8	1435.0	1226.2	1034.3	650.6	362.7
110°	2291.8	2353.1	2291.8	2230.5	2215.2	1865.0	1398.1	1164.6	991.6	645.6	386.1



TEST NUMBER: P934377

CATALOG NUMBER: SQ4-FA-050U-075D-B2750-1D-UNV-W2A-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2301.6	2395.7	2301.6	2207.3	2183.8	1825.4	1347.5	1108.5	954.3	645.8	414.4
115°	2240.5	2371.1	2240.5	2109.9	2077.3	1731.9	1271.6	1041.4	911.5	651.8	457.0
117.5°	2111.0	2255.8	2111.0	1966.2	1930.0	1618.4	1203.0	995.2	884.7	663.8	498.2
120°	2006.8	2147.5	2006.8	1866.1	1830.9	1546.2	1166.6	976.8	875.8	673.7	522.2
122.5°	1905.2	2044.0	1905.2	1766.4	1731.7	1475.4	1133.4	962.5	871.0	687.9	550.6
125°	1760.3	1888.2	1760.3	1632.5	1600.6	1382.7	1092.4	947.2	867.1	707.1	586.9
127.5°	1630.1	1737.9	1630.1	1522.3	1495.3	1308.2	1058.9	934.2	864.8	726.1	622.0
130°	1553.4	1653.0	1553.4	1453.7	1428.8	1262.3	1040.3	929.4	866.2	740.0	645.4
132.5°	1483.6	1572.9	1483.6	1394.4	1372.1	1223.1	1024.4	925.0	867.1	751.4	664.5
135°	1388.2	1465.1	1388.2	1311.3	1292.1	1167.3	1000.9	917.6	866.3	763.6	686.6
137.5°	1311.6	1374.6	1311.6	1248.7	1232.9	1127.5	986.7	916.4	871.7	782.2	715.0
140°	1259.0	1317.9	1259.0	1200.3	1185.5	1094.4	972.8	912.0	872.5	793.4	734.1
142.5°	1215.6	1266.2	1215.6	1164.9	1152.3	1072.2	965.4	912.0	875.7	802.9	748.3
145°	1150.3	1188.6	1150.3	1111.9	1102.4	1036.9	949.6	906.0	875.7	815.2	769.8
147.5°	1100.2	1132.0	1100.2	1068.5	1060.5	1009.0	940.3	906.0	881.8	833.3	796.9
150°	1068.6	1094.4	1068.6	1042.9	1036.4	992.9	934.9	906.0	884.8	842.7	811.0
152.5°	1041.7	1061.1	1041.7	1022.3	1017.4	980.3	930.8	906.0	886.9	848.9	820.3
155°	1010.7	1023.6	1010.7	997.8	994.6	965.0	925.7	906.0	891.4	862.4	840.6
157.5°	986.1	995.2	986.1	977.2	974.9	951.9	921.3	906.0	896.0	876.0	860.9
160°	971.6	976.8	971.6	966.3	965.0	945.3	919.1	906.0	898.0	882.2	870.2
162.5°	961.9	966.9	961.9	957.0	955.8	939.1	917.0	906.0	900.2	888.7	880.1
165°	948.2	953.4	948.2	942.9	941.6	929.8	913.9	906.0	903.4	898.1	894.2
167.5°	938.2	940.4	938.2	936.0	935.4	927.7	917.2	912.0	909.8	905.5	902.2
170°	935.4	935.4	935.4	935.4	935.4	927.7	917.2	912.0	911.9	911.6	911.4
172.5°	928.2	926.3	928.2	930.1	930.6	924.4	916.1	912.0	912.0	912.0	912.0
175°	923.8	923.8	923.8	923.8	923.8	919.9	914.6	912.0	913.2	915.7	917.6
177.5°	919.8	917.6	919.8	922.0	922.6	919.5	915.4	913.3	914.3	916.2	917.6
180°	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6

TEST NUMBER: P934377

CATALOG NUMBER: SQ4-FA-050U-075D-B2750-1D-UNV-W2A-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4
2.5°	3203.2	3185.3	3185.3	3155.4	3143.5	3134.5	3119.6	3074.8	3062.8	3050.8	3068.8
5°	3230.1	3197.3	3173.4	3119.6	3074.8	3056.8	3000.1	2892.5	2820.8	2767.0	2737.1
7.5°	3236.1	3194.3	3149.5	3065.8	2958.2	2910.4	2737.1	2539.8	2486.0	2438.2	2408.3
10°	3230.1	3182.3	3119.6	2994.1	2740.1	2656.4	2483.0	2354.5	2321.7	2312.7	2321.7
12.5°	3209.2	3164.4	3077.7	2868.6	2512.9	2456.1	2354.5	2279.8	2273.9	2288.8	2369.5
15°	3173.4	3131.5	3029.9	2701.3	2387.4	2345.6	2273.9	2247.0	2279.8	2384.4	2626.5
17.5°	3137.5	3089.7	2964.2	2536.8	2291.8	2261.9	2211.1	2264.9	2450.2	2590.6	2671.4
20°	3089.7	3032.9	2889.5	2417.3	2223.1	2196.2	2172.3	2414.3	2554.7	2605.5	2650.5
22.5°	3032.9	2973.2	2787.9	2333.6	2151.4	2130.4	2145.4	2498.0	2554.7	2590.6	2629.4
25°	2958.2	2907.4	2668.4	2267.9	2094.6	2070.7	2127.5	2489.0	2521.9	2530.8	2608.5
27.5°	2889.5	2823.8	2542.8	2208.1	2025.9	2016.9	2142.4	2450.2	2474.1	2483.0	2566.7
30°	2805.8	2707.2	2402.4	2145.4	1954.2	1951.2	2145.4	2402.4	2396.4	2420.3	2503.9
32.5°	2719.2	2533.8	2244.0	2067.7	1885.4	1882.4	2124.5	2330.6	2324.7	2357.5	2420.3
35°	2638.5	2399.4	2028.9	1978.1	1798.8	1801.8	2073.7	2247.0	2250.0	2279.8	2318.7
37.5°	2554.7	2282.8	1792.8	1879.5	1715.1	1715.1	2004.9	2169.3	2163.3	2172.3	2226.1
40°	2456.1	2100.6	1583.6	1751.0	1637.4	1628.5	1921.3	2085.6	2064.7	2061.7	2136.4
42.5°	2351.6	1900.4	1428.3	1580.7	1547.8	1535.8	1819.7	1984.0	1945.2	1954.2	2049.8
45°	2238.0	1846.6	1308.7	1335.6	1455.2	1446.2	1709.1	1867.5	1840.6	1864.5	1963.1
47.5°	2124.5	1739.0	1269.9	1108.5	1356.6	1353.6	1586.6	1754.0	1739.0	1762.9	1867.5
50°	1969.1	1619.5	1266.9	950.2	1246.0	1257.9	1440.2	1643.4	1643.4	1664.3	1774.9
52.5°	1768.9	1473.1	1150.4	860.5	1117.5	1153.4	1311.7	1547.8	1553.8	1574.7	1673.3
55°	1586.6	1320.7	1066.7	791.8	965.1	1042.8	1186.2	1449.2	1461.1	1482.0	1571.7
57.5°	1419.3	1099.6	1048.8	711.1	824.7	899.4	1075.7	1353.6	1359.5	1377.5	1464.1
60°	1240.0	794.8	962.1	624.5	702.2	759.0	974.1	1240.0	1260.9	1272.9	1347.6
62.5°	1036.8	576.7	872.5	564.7	642.4	654.4	890.4	1132.5	1159.3	1168.3	1213.1
65°	738.0	484.1	741.0	513.9	579.7	582.7	800.8	1021.9	1045.8	1060.7	1093.6
67.5°	499.0	394.4	564.7	466.1	531.9	534.9	714.1	893.4	926.3	938.2	959.1
70°	346.6	262.9	418.3	415.3	478.1	484.1	621.5	776.9	806.8	815.7	827.7
72.5°	254.0	212.1	346.6	373.5	421.3	427.3	525.9	645.4	675.3	684.3	690.2
75°	194.2	224.1	280.9	325.7	358.6	361.5	430.3	525.9	546.8	552.8	555.8
77.5°	155.4	209.2	206.2	262.9	292.8	286.8	337.6	406.4	424.3	424.3	424.3
80°	116.5	164.3	155.4	188.2	215.1	209.2	242.0	289.8	295.8	301.8	298.8
82.5°	86.7	104.6	104.6	119.5	143.4	137.4	161.4	188.2	188.2	188.2	194.2
85°	53.8	59.8	47.8	62.7	80.7	77.7	89.6	101.6	104.6	104.6	98.6
87.5°	32.9	26.9	14.9	23.9	35.9	35.9	41.8	44.8	41.8	41.8	41.8
90°	16.0	11.1	6.2	11.1	16.0	17.2	27.1	40.2	46.8	41.6	31.2
92.5°	108.4	66.4	24.6	66.4	108.4	118.8	167.0	231.4	263.5	231.0	165.8
95°	212.4	135.8	59.2	135.8	212.4	231.6	411.1	650.7	770.4	687.4	521.6
97.5°	237.4	169.8	102.2	169.8	237.4	254.4	553.9	953.2	1152.9	1100.5	995.6
100°	258.1	196.8	135.5	196.8	258.1	273.4	605.8	1048.9	1270.5	1274.3	1282.0
102.5°	278.2	221.0	163.8	221.0	278.2	292.5	629.6	1079.1	1303.8	1370.5	1504.1
105°	308.7	260.3	211.8	260.3	308.7	320.8	647.2	1082.5	1300.1	1449.8	1749.2
107.5°	351.5	306.3	261.2	306.3	351.5	362.7	650.6	1034.3	1226.2	1435.0	1852.8
110°	376.0	335.2	294.4	335.2	376.0	386.1	645.6	991.6	1164.6	1398.1	1865.0

TEST NUMBER: P934377

CATALOG NUMBER: SQ4-FA-050U-075D-B2750-1D-UNV-W2A-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	404.7	365.8	327.0	365.8	404.7	414.4	645.8	954.3	1108.5	1347.5	1825.4
115°	448.0	412.1	376.3	412.1	448.0	457.0	651.8	911.5	1041.4	1271.6	1731.9
117.5°	490.0	457.5	424.9	457.5	490.0	498.2	663.8	884.7	995.2	1203.0	1618.4
120°	514.5	484.0	453.3	484.0	514.5	522.2	673.7	875.8	976.8	1166.6	1546.2
122.5°	542.8	511.9	481.0	511.9	542.8	550.6	687.9	871.0	962.5	1133.4	1475.4
125°	579.9	551.7	523.5	551.7	579.9	586.9	707.1	867.1	947.2	1092.4	1382.7
127.5°	614.9	586.4	558.0	586.4	614.9	622.0	726.1	864.8	934.2	1058.9	1308.2
130°	637.7	607.2	576.5	607.2	637.7	645.4	740.0	866.2	929.4	1040.3	1262.3
132.5°	656.9	626.2	595.5	626.2	656.9	664.5	751.4	867.1	925.0	1024.4	1223.1
135°	679.7	651.8	623.9	651.8	679.7	686.6	763.6	866.3	917.6	1000.9	1167.3
137.5°	708.2	680.5	652.8	680.5	708.2	715.0	782.2	871.7	916.4	986.7	1127.5
140°	727.7	702.3	676.8	702.3	727.7	734.1	793.4	872.5	912.0	972.8	1094.4
142.5°	742.4	718.8	695.3	718.8	742.4	748.3	802.9	875.7	912.0	965.4	1072.2
145°	764.6	744.1	723.6	744.1	764.6	769.8	815.2	875.7	906.0	949.6	1036.9
147.5°	791.9	771.9	752.0	771.9	791.9	796.9	833.3	881.8	906.0	940.3	1009.0
150°	806.6	788.4	770.4	788.4	806.6	811.0	842.7	884.8	906.0	934.9	992.9
152.5°	816.9	803.2	789.5	803.2	816.9	820.3	848.9	886.9	906.0	930.8	980.3
155°	838.1	828.0	817.8	828.0	838.1	840.6	862.4	891.4	906.0	925.7	965.0
157.5°	858.5	848.7	838.8	848.7	858.5	860.9	876.0	896.0	906.0	921.3	951.9
160°	868.3	860.6	853.0	860.6	868.3	870.2	882.2	898.0	906.0	919.1	945.3
162.5°	878.7	872.9	867.1	872.9	878.7	880.1	888.7	900.2	906.0	917.0	939.1
165°	892.9	887.7	882.6	887.7	892.9	894.2	898.1	903.4	906.0	913.9	929.8
167.5°	901.6	899.1	896.7	899.1	901.6	902.2	905.5	909.8	912.0	917.2	927.7
170°	910.8	908.4	906.0	908.4	910.8	911.4	911.6	911.9	912.0	917.2	927.7
172.5°	911.9	911.3	910.8	911.3	911.9	912.0	912.0	912.0	912.0	916.1	924.4
175°	917.6	917.6	917.6	917.6	917.6	917.6	915.7	913.2	912.0	914.6	919.9
177.5°	917.6	917.6	917.6	917.6	917.6	917.6	916.2	914.3	913.3	915.4	919.5
180°	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6

TEST NUMBER: P934377

CATALOG NUMBER: SQ4-FA-050U-075D-B2750-1D-UNV-W2A-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4	3158.4
2.5°	3047.9	3038.9	3050.8	3018.0	3050.8	3038.9	3047.9	3068.8	3050.8	3062.8	3074.8
5°	2674.4	2659.4	2611.5	2572.7	2611.5	2659.4	2674.4	2737.1	2767.0	2820.8	2892.5
7.5°	2390.4	2378.4	2366.5	2342.6	2366.5	2378.4	2390.4	2408.3	2438.2	2486.0	2539.8
10°	2327.7	2330.6	2348.6	2345.6	2348.6	2330.6	2327.7	2321.7	2312.7	2321.7	2354.5
12.5°	2489.0	2515.9	2614.5	2608.5	2614.5	2515.9	2489.0	2369.5	2288.8	2273.9	2279.8
15°	2674.4	2683.3	2704.2	2707.2	2704.2	2683.3	2674.4	2626.5	2384.4	2279.8	2247.0
17.5°	2692.3	2695.3	2710.2	2710.2	2710.2	2695.3	2692.3	2671.4	2590.6	2450.2	2264.9
20°	2677.3	2683.3	2713.2	2719.2	2713.2	2683.3	2677.3	2650.5	2605.5	2554.7	2414.3
22.5°	2671.4	2683.3	2707.2	2704.2	2707.2	2683.3	2671.4	2629.4	2590.6	2554.7	2498.0
25°	2641.5	2641.5	2644.5	2647.5	2644.5	2641.5	2641.5	2608.5	2530.8	2521.9	2489.0
27.5°	2578.6	2584.6	2602.5	2599.6	2602.5	2584.6	2578.6	2566.7	2483.0	2474.1	2450.2
30°	2521.9	2515.9	2501.0	2489.0	2501.0	2515.9	2521.9	2503.9	2420.3	2396.4	2402.4
32.5°	2426.3	2411.3	2396.4	2387.4	2396.4	2411.3	2426.3	2420.3	2357.5	2324.7	2330.6
35°	2312.7	2315.7	2312.7	2303.7	2312.7	2315.7	2312.7	2318.7	2279.8	2250.0	2247.0
37.5°	2232.0	2238.0	2235.0	2223.1	2235.0	2238.0	2232.0	2226.1	2172.3	2163.3	2169.3
40°	2148.4	2151.4	2148.4	2139.4	2148.4	2151.4	2148.4	2136.4	2061.7	2064.7	2085.6
42.5°	2067.7	2064.7	2055.7	2049.8	2055.7	2064.7	2067.7	2049.8	1954.2	1945.2	1984.0
45°	1975.1	1978.1	1960.1	1951.2	1960.1	1978.1	1975.1	1963.1	1864.5	1840.6	1867.5
47.5°	1882.4	1882.4	1867.5	1858.5	1867.5	1882.4	1882.4	1867.5	1762.9	1739.0	1754.0
50°	1783.8	1780.8	1759.9	1756.9	1759.9	1780.8	1783.8	1774.9	1664.3	1643.4	1643.4
52.5°	1670.3	1670.3	1673.3	1679.3	1673.3	1670.3	1670.3	1673.3	1574.7	1553.8	1547.8
55°	1571.7	1574.7	1595.6	1601.6	1595.6	1574.7	1571.7	1571.7	1482.0	1461.1	1449.2
57.5°	1470.1	1470.1	1485.0	1485.0	1485.0	1470.1	1470.1	1464.1	1377.5	1359.5	1353.6
60°	1353.6	1359.5	1371.5	1368.5	1371.5	1359.5	1353.6	1347.6	1272.9	1260.9	1240.0
62.5°	1231.1	1237.0	1240.0	1234.0	1240.0	1237.0	1231.1	1213.1	1168.3	1159.3	1132.5
65°	1102.6	1108.5	1111.5	1105.6	1111.5	1108.5	1102.6	1093.6	1060.7	1045.8	1021.9
67.5°	971.1	968.1	965.1	977.1	965.1	968.1	971.1	959.1	938.2	926.3	893.4
70°	836.6	836.6	833.7	839.6	833.7	836.6	836.6	827.7	815.7	806.8	776.9
72.5°	693.2	690.2	702.2	693.2	702.2	690.2	693.2	690.2	684.3	675.3	645.4
75°	552.8	558.8	552.8	561.7	552.8	558.8	552.8	555.8	552.8	546.8	525.9
77.5°	421.3	427.3	421.3	421.3	421.3	427.3	421.3	424.3	424.3	424.3	406.4
80°	298.8	295.8	295.8	292.8	295.8	295.8	298.8	298.8	301.8	295.8	289.8
82.5°	191.2	188.2	188.2	194.2	188.2	188.2	191.2	194.2	188.2	188.2	188.2
85°	104.6	107.6	101.6	101.6	101.6	107.6	104.6	98.6	104.6	104.6	101.6
87.5°	38.8	35.9	35.9	35.9	35.9	35.9	38.8	41.8	41.8	41.8	44.8
90°	23.4	23.4	23.4	23.4	23.4	23.4	23.4	31.2	41.6	46.8	40.2
92.5°	117.0	112.3	93.7	75.1	93.7	112.3	117.0	165.8	231.0	263.5	231.4
95°	397.2	383.1	326.7	270.3	326.7	383.1	397.2	521.6	687.4	770.4	650.7
97.5°	917.0	890.2	782.9	675.6	782.9	890.2	917.0	995.6	1100.5	1152.9	953.2
100°	1287.7	1255.8	1128.0	1000.2	1128.0	1255.8	1287.7	1282.0	1274.3	1270.5	1048.9
102.5°	1604.3	1576.9	1467.4	1357.9	1467.4	1576.9	1604.3	1504.1	1370.5	1303.8	1079.1
105°	1973.8	1959.0	1900.3	1841.4	1900.3	1959.0	1973.8	1749.2	1449.8	1300.1	1082.5
107.5°	2166.0	2169.6	2183.7	2198.0	2183.7	2169.6	2166.0	1852.8	1435.0	1226.2	1034.3
110°	2215.2	2230.5	2291.8	2353.1	2291.8	2230.5	2215.2	1865.0	1398.1	1164.6	991.6

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2183.8	2207.3	2301.6	2395.7	2301.6	2207.3	2183.8	1825.4	1347.5	1108.5	954.3
115°	2077.3	2109.9	2240.5	2371.1	2240.5	2109.9	2077.3	1731.9	1271.6	1041.4	911.5
117.5°	1930.0	1966.2	2111.0	2255.8	2111.0	1966.2	1930.0	1618.4	1203.0	995.2	884.7
120°	1830.9	1866.1	2006.8	2147.5	2006.8	1866.1	1830.9	1546.2	1166.6	976.8	875.8
122.5°	1731.7	1766.4	1905.2	2044.0	1905.2	1766.4	1731.7	1475.4	1133.4	962.5	871.0
125°	1600.6	1632.5	1760.3	1888.2	1760.3	1632.5	1600.6	1382.7	1092.4	947.2	867.1
127.5°	1495.3	1522.3	1630.1	1737.9	1630.1	1522.3	1495.3	1308.2	1058.9	934.2	864.8
130°	1428.8	1453.7	1553.4	1653.0	1553.4	1453.7	1428.8	1262.3	1040.3	929.4	866.2
132.5°	1372.1	1394.4	1483.6	1572.9	1483.6	1394.4	1372.1	1223.1	1024.4	925.0	867.1
135°	1292.1	1311.3	1388.2	1465.1	1388.2	1311.3	1292.1	1167.3	1000.9	917.6	866.3
137.5°	1232.9	1248.7	1311.6	1374.6	1311.6	1248.7	1232.9	1127.5	986.7	916.4	871.7
140°	1185.5	1200.3	1259.0	1317.9	1259.0	1200.3	1185.5	1094.4	972.8	912.0	872.5
142.5°	1152.3	1164.9	1215.6	1266.2	1215.6	1164.9	1152.3	1072.2	965.4	912.0	875.7
145°	1102.4	1111.9	1150.3	1188.6	1150.3	1111.9	1102.4	1036.9	949.6	906.0	875.7
147.5°	1060.5	1068.5	1100.2	1132.0	1100.2	1068.5	1060.5	1009.0	940.3	906.0	881.8
150°	1036.4	1042.9	1068.6	1094.4	1068.6	1042.9	1036.4	992.9	934.9	906.0	884.8
152.5°	1017.4	1022.3	1041.7	1061.1	1041.7	1022.3	1017.4	980.3	930.8	906.0	886.9
155°	994.6	997.8	1010.7	1023.6	1010.7	997.8	994.6	965.0	925.7	906.0	891.4
157.5°	974.9	977.2	986.1	995.2	986.1	977.2	974.9	951.9	921.3	906.0	896.0
160°	965.0	966.3	971.6	976.8	971.6	966.3	965.0	945.3	919.1	906.0	898.0
162.5°	955.8	957.0	961.9	966.9	961.9	957.0	955.8	939.1	917.0	906.0	900.2
165°	941.6	942.9	948.2	953.4	948.2	942.9	941.6	929.8	913.9	906.0	903.4
167.5°	935.4	936.0	938.2	940.4	938.2	936.0	935.4	927.7	917.2	912.0	909.8
170°	935.4	935.4	935.4	935.4	935.4	935.4	935.4	927.7	917.2	912.0	911.9
172.5°	930.6	930.1	928.2	926.3	928.2	930.1	930.6	924.4	916.1	912.0	912.0
175°	923.8	923.8	923.8	923.8	923.8	923.8	923.8	919.9	914.6	912.0	913.2
177.5°	922.6	922.0	919.8	917.6	919.8	922.0	922.6	919.5	915.4	913.3	914.3
180°	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3158.4	3158.4	3158.4	3158.4	3158.4
2.5°	3119.6	3134.5	3143.5	3155.4	3185.3
5°	3000.1	3056.8	3074.8	3119.6	3173.4
7.5°	2737.1	2910.4	2958.2	3065.8	3149.5
10°	2483.0	2656.4	2740.1	2994.1	3119.6
12.5°	2354.5	2456.1	2512.9	2868.6	3077.7
15°	2273.9	2345.6	2387.4	2701.3	3029.9
17.5°	2211.1	2261.9	2291.8	2536.8	2964.2
20°	2172.3	2196.2	2223.1	2417.3	2889.5
22.5°	2145.4	2130.4	2151.4	2333.6	2787.9
25°	2127.5	2070.7	2094.6	2267.9	2668.4
27.5°	2142.4	2016.9	2025.9	2208.1	2542.8
30°	2145.4	1951.2	1954.2	2145.4	2402.4
32.5°	2124.5	1882.4	1885.4	2067.7	2244.0
35°	2073.7	1801.8	1798.8	1978.1	2028.9
37.5°	2004.9	1715.1	1715.1	1879.5	1792.8
40°	1921.3	1628.5	1637.4	1751.0	1583.6
42.5°	1819.7	1535.8	1547.8	1580.7	1428.3
45°	1709.1	1446.2	1455.2	1335.6	1308.7
47.5°	1586.6	1353.6	1356.6	1108.5	1269.9
50°	1440.2	1257.9	1246.0	950.2	1266.9
52.5°	1311.7	1153.4	1117.5	860.5	1150.4
55°	1186.2	1042.8	965.1	791.8	1066.7
57.5°	1075.7	899.4	824.7	711.1	1048.8
60°	974.1	759.0	702.2	624.5	962.1
62.5°	890.4	654.4	642.4	564.7	872.5
65°	800.8	582.7	579.7	513.9	741.0
67.5°	714.1	534.9	531.9	466.1	564.7
70°	621.5	484.1	478.1	415.3	418.3
72.5°	525.9	427.3	421.3	373.5	346.6
75°	430.3	361.5	358.6	325.7	280.9
77.5°	337.6	286.8	292.8	262.9	206.2
80°	242.0	209.2	215.1	188.2	155.4
82.5°	161.4	137.4	143.4	119.5	104.6
85°	89.6	77.7	80.7	62.7	47.8
87.5°	41.8	35.9	35.9	23.9	14.9
90°	27.1	17.2	16.0	11.1	6.2
92.5°	167.0	118.8	108.4	66.4	24.6
95°	411.1	231.6	212.4	135.8	59.2
97.5°	553.9	254.4	237.4	169.8	102.2
100°	605.8	273.4	258.1	196.8	135.5
102.5°	629.6	292.5	278.2	221.0	163.8
105°	647.2	320.8	308.7	260.3	211.8
107.5°	650.6	362.7	351.5	306.3	261.2
110°	645.6	386.1	376.0	335.2	294.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	645.8	414.4	404.7	365.8	327.0
115°	651.8	457.0	448.0	412.1	376.3
117.5°	663.8	498.2	490.0	457.5	424.9
120°	673.7	522.2	514.5	484.0	453.3
122.5°	687.9	550.6	542.8	511.9	481.0
125°	707.1	586.9	579.9	551.7	523.5
127.5°	726.1	622.0	614.9	586.4	558.0
130°	740.0	645.4	637.7	607.2	576.5
132.5°	751.4	664.5	656.9	626.2	595.5
135°	763.6	686.6	679.7	651.8	623.9
137.5°	782.2	715.0	708.2	680.5	652.8
140°	793.4	734.1	727.7	702.3	676.8
142.5°	802.9	748.3	742.4	718.8	695.3
145°	815.2	769.8	764.6	744.1	723.6
147.5°	833.3	796.9	791.9	771.9	752.0
150°	842.7	811.0	806.6	788.4	770.4
152.5°	848.9	820.3	816.9	803.2	789.5
155°	862.4	840.6	838.1	828.0	817.8
157.5°	876.0	860.9	858.5	848.7	838.8
160°	882.2	870.2	868.3	860.6	853.0
162.5°	888.7	880.1	878.7	872.9	867.1
165°	898.1	894.2	892.9	887.7	882.6
167.5°	905.5	902.2	901.6	899.1	896.7
170°	911.6	911.4	910.8	908.4	906.0
172.5°	912.0	912.0	911.9	911.3	910.8
175°	915.7	917.6	917.6	917.6	917.6
177.5°	916.2	917.6	917.6	917.6	917.6
180°	917.6	917.6	917.6	917.6	917.6

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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	13.43	14.37	14.32	15.28	16.43	16.28	17.22	17.17	18.13	19.28
	3H	13.92	14.76	14.81	15.67	16.85	17.64	18.48	18.54	19.40	20.58
	4H	14.11	14.90	15.02	15.83	17.01	18.09	18.89	19.01	19.81	21.00
	6H	14.23	14.96	15.16	15.89	17.09	18.39	19.12	19.31	20.05	21.25
	8H	14.24	14.93	15.17	15.88	17.08	18.47	19.17	19.40	20.11	21.31
	12H	14.21	14.87	15.15	15.81	17.04	18.51	19.18	19.45	20.11	21.34
4H	2H	14.48	15.27	15.40	16.20	17.38	16.70	17.50	17.62	18.42	19.61
	3H	15.51	16.18	16.44	17.13	18.33	18.22	18.88	19.15	19.84	21.04
	4H	15.79	16.40	16.73	17.34	18.57	18.76	19.36	19.70	20.31	21.54
	6H	15.92	16.44	16.88	17.41	18.64	19.13	19.65	20.09	20.62	21.85
	8H	15.93	16.42	16.89	17.38	18.62	19.24	19.73	20.20	20.69	21.94
	12H	15.90	16.34	16.88	17.32	18.57	19.31	19.75	20.28	20.73	21.98
8H	4H	16.26	16.74	17.21	17.71	18.95	18.89	19.37	19.84	20.34	21.58
	6H	16.52	16.92	17.50	17.93	19.17	19.33	19.73	20.31	20.74	21.98
	8H	16.56	16.92	17.55	17.91	19.17	19.49	19.84	20.48	20.84	22.10
	12H	16.55	16.86	17.55	17.85	19.16	19.59	19.91	20.59	20.90	22.20
12H	4H	16.27	16.71	17.24	17.69	18.93	18.85	19.29	19.83	20.28	21.52
	6H	16.58	16.94	17.57	17.93	19.19	19.33	19.69	20.32	20.68	21.94
	8H	16.65	16.97	17.65	17.96	19.26	19.50	19.81	20.49	20.80	22.11

END OF REPORT