

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: P934817

Luminaire Tested: SQ4-FA-075U-100D-840-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934817
REPORT IS A COMBINATION OF REPORTS P933713 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-100D-840-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

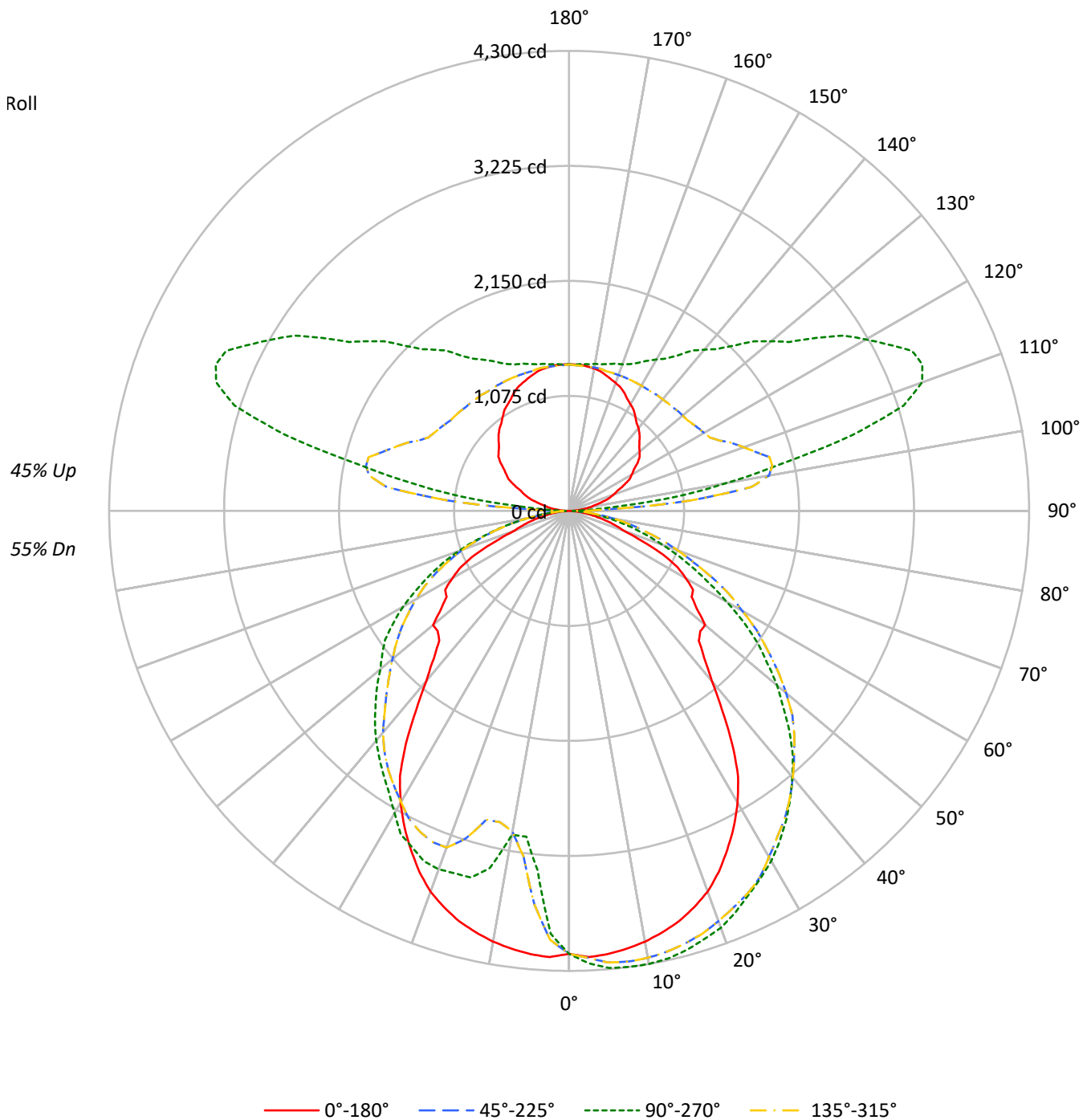
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19612.8 lumens
Efficiency: N/A
Efficacy: 127.7 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): 153.6
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				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	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°	12803	12803	12803	12803
5°	12904	12924	12904	10162
10°	12822	12731	12822	9102
15°	12688	12455	12688	10400
20°	12427	12129	12427	10422
25°	11889	11652	11889	10201
30°	11192	11256	11192	9717
35°	9982	10756	9982	9183
40°	8323	10167	8323	8781
45°	7441	9477	7441	8318
50°	7911	8655	7911	7853
55°	7450	7768	7450	7584
60°	7690	6598	7690	6947
65°	6983	5454	6983	6097
70°	4847	4346	4847	5110
75°	4266	3213	4266	3848
80°	3463	2124	3463	2312
85°	2028	1125	2028	957

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11397 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.6	1.9
10°-20°	1060.9	5.4
20°-30°	1640.0	8.4
30°-40°	1957.8	10.0
40°-50°	1969.2	10.0
50°-60°	1713.5	8.7
60°-70°	1214.9	6.2
70°-80°	642.7	3.3
80°-90°	165.3	0.8
90°-100°	667.3	3.4
100°-110°	1754.5	8.9
110°-120°	1819.2	9.3
120°-130°	1459.2	7.4
130°-140°	1145.0	5.8
140°-150°	878.8	4.5
150°-160°	632.9	3.2
160°-170°	387.2	2.0
170°-180°	130.8	0.7
0°-30°	3074.5	15.7
0°-40°	5032.3	25.7
0°-60°	8715.0	44.4
0°-90°	10737.9	54.7
90°-120°	4241.0	21.6
90°-150°	7724.0	39.4
90°-180°	8875.0	45.3
0°-180°	19612.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4139	4139	4139	4139	4139	
5°	4159	4288	4159	3372	4159	395
15°	3971	4249	3971	3548	3971	1117
25°	3497	3963	3497	3470	3497	1606
35°	2659	3536	2659	3019	2659	1645
45°	1715	2914	1715	2557	1715	1374
55°	1398	2150	1398	2099	1398	1285
65°	971	1296	971	1449	971	928
75°	368	615	368	736	368	387
85°	63	157	63	133	63	85
90°	9	35	9	35	9	10
95°	88	403	88	403	88	98
105°	316	2747	316	2747	316	335
115°	561	3537	561	3537	561	554
125°	781	2817	781	2817	781	693
135°	931	2186	931	2186	931	720
145°	1080	1773	1080	1773	1080	676
155°	1220	1527	1220	1527	1220	561
165°	1317	1422	1317	1422	1317	372
175°	1369	1378	1369	1378	1369	130
180°	1369	1369	1369	1369	1369	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3
2.5°	4174.6	4174.6	4198.1	4205.9	4205.9	4194.2	4182.4	4194.2	4229.4	4241.2	4237.2
5°	4159.0	4190.3	4233.4	4241.2	4249.0	4245.1	4237.2	4245.1	4284.3	4292.1	4296.0
7.5°	4127.6	4186.4	4241.2	4252.9	4264.7	4252.9	4249.0	4256.9	4296.0	4303.8	4303.8
10°	4088.4	4170.7	4233.4	4241.2	4252.9	4241.2	4241.2	4256.9	4296.0	4303.8	4307.8
12.5°	4033.6	4147.2	4205.9	4213.8	4229.4	4225.5	4221.6	4237.2	4276.5	4284.3	4284.3
15°	3971.0	4104.2	4159.0	4166.8	4194.2	4186.4	4186.4	4202.1	4245.1	4256.9	4252.9
17.5°	3884.8	4049.3	4112.0	4123.7	4143.3	4139.3	4143.3	4159.0	4198.1	4205.9	4209.9
20°	3786.9	3974.9	4049.3	4061.1	4080.6	4080.6	4080.6	4100.2	4139.3	4155.0	4155.0
22.5°	3653.7	3896.6	3974.9	3982.7	4006.2	4006.2	4014.0	4041.4	4076.7	4080.6	4080.6
25°	3497.1	3810.4	3877.0	3900.5	3923.9	3935.7	3947.5	3963.2	3974.9	3971.0	3974.9
27.5°	3332.6	3700.8	3786.9	3802.6	3833.9	3845.7	3861.3	3865.3	3869.1	3880.9	3873.1
30°	3148.6	3548.0	3677.2	3692.9	3743.8	3751.6	3736.0	3743.8	3763.4	3771.3	3779.1
32.5°	2941.0	3320.9	3563.7	3598.9	3645.9	3622.4	3618.6	3630.3	3661.6	3661.6	3669.4
35°	2659.1	3144.7	3458.0	3489.3	3524.5	3497.1	3512.7	3516.7	3536.2	3548.0	3544.2
37.5°	2349.7	2992.0	3348.3	3371.8	3399.2	3363.9	3387.5	3399.2	3414.9	3407.0	3407.0
40°	2075.6	2753.1	3219.1	3234.7	3258.2	3230.9	3254.3	3262.2	3270.0	3262.2	3258.2
42.5°	1872.0	2490.6	3082.0	3101.6	3085.9	3105.5	3113.3	3129.0	3117.2	3101.6	3101.6
45°	1715.3	2420.2	2933.2	2956.7	2933.2	2964.5	2976.3	2976.3	2941.0	2933.2	2929.3
47.5°	1664.4	2279.2	2784.4	2784.4	2772.6	2811.7	2831.4	2803.9	2768.7	2757.0	2757.0
50°	1660.4	2122.5	2580.8	2565.0	2619.9	2666.9	2647.3	2619.9	2592.5	2549.4	2549.4
52.5°	1507.7	1930.7	2318.3	2377.1	2463.3	2490.6	2459.3	2432.0	2384.9	2365.4	2349.7
55°	1398.0	1731.0	2079.4	2196.9	2287.0	2322.3	2263.5	2236.1	2165.6	2153.8	2146.0
57.5°	1374.6	1441.1	1860.2	2009.0	2118.7	2114.7	2079.4	2028.6	1969.8	1958.1	1954.2
60°	1261.0	1041.6	1625.2	1801.4	1915.0	1903.3	1872.0	1824.9	1770.1	1762.3	1754.4
62.5°	1143.5	755.8	1358.9	1558.7	1719.2	1715.3	1687.9	1617.4	1578.2	1558.7	1543.0
65°	971.2	634.4	967.3	1296.3	1527.3	1535.2	1476.4	1425.5	1382.4	1358.9	1354.9
67.5°	740.1	516.9	654.0	1080.9	1343.3	1335.4	1261.0	1237.5	1182.6	1170.9	1147.5
70°	548.2	344.6	454.3	877.2	1163.1	1143.5	1084.7	1057.4	1006.5	979.0	963.4
72.5°	454.3	278.0	332.9	681.4	979.0	955.5	904.6	873.3	830.2	806.7	791.1
75°	368.1	293.7	254.5	505.2	794.9	779.3	732.3	701.0	665.7	634.4	638.3
77.5°	270.2	274.2	203.6	372.1	630.5	607.0	579.6	540.4	524.7	493.4	493.4
80°	203.6	215.4	152.7	254.5	454.3	454.3	430.8	403.4	375.9	360.3	360.3
82.5°	137.0	137.0	113.5	160.6	309.3	297.6	282.0	274.2	258.5	250.7	250.7
85°	62.6	78.3	70.4	97.9	168.4	176.3	176.3	168.4	164.5	156.6	160.6
87.5°	19.6	35.3	43.1	54.8	86.2	90.1	94.0	94.0	94.0	97.9	97.9
90°	9.2	16.5	23.8	25.7	40.4	60.1	69.9	62.0	46.5	34.9	34.9
92.5°	36.8	99.2	161.7	177.3	249.3	345.2	393.2	344.6	247.5	174.6	167.7
95°	88.2	202.5	317.0	345.5	613.4	970.8	1149.4	1025.7	778.2	592.6	571.6
97.5°	152.5	253.4	354.3	379.5	826.4	1422.1	1720.0	1641.8	1485.4	1368.1	1328.1
100°	202.1	293.6	385.1	407.9	903.8	1564.9	1895.5	1901.2	1912.7	1921.3	1873.5
102.5°	244.4	329.8	415.1	436.4	939.3	1609.8	1945.2	2044.8	2244.0	2393.5	2352.7
105°	316.1	388.4	460.6	478.7	965.7	1615.0	1939.6	2163.0	2609.8	2944.8	2922.9
107.5°	389.6	457.0	524.3	541.2	970.6	1543.2	1829.4	2141.0	2764.1	3231.5	3236.8
110°	439.2	500.0	560.9	576.1	963.2	1479.4	1737.5	2085.9	2782.5	3305.0	3327.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	487.9	545.9	603.9	618.4	963.6	1423.8	1653.9	2010.4	2723.4	3258.1	3293.2
115°	561.4	614.8	668.4	681.7	972.4	1360.0	1553.7	1897.2	2584.0	3099.2	3147.9
117.5°	634.0	682.6	731.1	743.3	990.5	1320.0	1484.8	1794.7	2414.6	2879.5	2933.6
120°	676.3	722.0	767.7	779.1	1005.2	1306.5	1457.2	1740.4	2306.8	2731.6	2784.1
122.5°	717.6	763.7	809.9	821.4	1026.3	1299.5	1436.1	1691.1	2201.2	2583.7	2635.5
125°	781.0	823.1	865.2	875.7	1054.8	1293.7	1413.1	1629.8	2063.0	2388.0	2435.7
127.5°	832.5	875.0	917.5	928.0	1083.3	1290.3	1393.9	1579.9	1951.9	2230.9	2271.1
130°	860.1	905.8	951.4	962.9	1104.1	1292.3	1386.5	1552.0	1883.2	2131.6	2168.8
132.5°	888.5	934.3	979.9	991.4	1120.9	1293.7	1380.0	1528.2	1824.7	2047.1	2080.4
135°	930.8	972.4	1014.1	1024.5	1139.4	1292.5	1369.1	1493.2	1741.4	1927.7	1956.3
137.5°	974.0	1015.2	1056.5	1066.7	1166.9	1300.4	1367.2	1472.1	1682.1	1839.5	1863.0
140°	1009.7	1047.7	1085.7	1095.2	1183.7	1301.8	1360.8	1451.5	1632.8	1768.7	1790.7
142.5°	1037.3	1072.5	1107.5	1116.3	1197.9	1306.4	1360.8	1440.4	1599.7	1719.1	1738.0
145°	1079.6	1110.2	1140.8	1148.6	1216.2	1306.4	1351.6	1416.7	1547.0	1644.7	1659.0
147.5°	1121.9	1151.7	1181.5	1189.0	1243.2	1315.4	1351.6	1402.9	1505.3	1582.2	1594.0
150°	1149.4	1176.4	1203.4	1210.1	1257.2	1320.2	1351.6	1394.9	1481.4	1546.3	1555.9
152.5°	1177.9	1198.3	1218.7	1223.8	1266.4	1323.2	1351.6	1388.5	1462.4	1517.9	1525.1
155°	1220.2	1235.3	1250.4	1254.2	1286.7	1329.9	1351.6	1381.0	1439.8	1483.9	1488.7
157.5°	1251.4	1266.1	1280.8	1284.5	1306.8	1336.7	1351.6	1374.4	1420.2	1454.4	1457.8
160°	1272.5	1284.0	1295.5	1298.3	1316.1	1339.7	1351.6	1371.1	1410.4	1439.8	1441.8
162.5°	1293.7	1302.3	1310.8	1313.0	1325.8	1343.0	1351.6	1368.1	1401.2	1426.0	1427.9
165°	1316.7	1324.4	1332.1	1334.1	1339.9	1347.7	1351.6	1363.4	1387.1	1404.8	1406.8
167.5°	1337.8	1341.4	1345.2	1346.1	1351.0	1357.5	1360.8	1368.5	1384.0	1395.6	1396.4
170°	1351.6	1355.2	1359.0	1359.9	1360.2	1360.6	1360.8	1368.5	1384.0	1395.6	1395.6
172.5°	1358.9	1359.7	1360.6	1360.8	1360.8	1360.8	1360.8	1366.9	1379.1	1388.3	1387.6
175°	1369.1	1369.1	1369.1	1369.1	1366.3	1362.6	1360.8	1364.6	1372.4	1378.3	1378.3
177.5°	1369.1	1369.1	1369.1	1369.1	1366.9	1364.0	1362.6	1365.7	1371.8	1376.4	1375.6
180°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3
2.5°	4245.1	4233.4	4245.1	4237.2	4241.2	4229.4	4194.2	4182.4	4194.2	4205.9	4205.9
5°	4296.0	4288.2	4296.0	4296.0	4292.1	4284.3	4245.1	4237.2	4245.1	4249.0	4241.2
7.5°	4311.6	4300.0	4311.6	4303.8	4303.8	4296.0	4256.9	4249.0	4252.9	4264.7	4252.9
10°	4311.6	4300.0	4311.6	4307.8	4303.8	4296.0	4256.9	4241.2	4241.2	4252.9	4241.2
12.5°	4292.1	4284.3	4292.1	4284.3	4284.3	4276.5	4237.2	4221.6	4225.5	4229.4	4213.8
15°	4260.8	4249.0	4260.8	4252.9	4256.9	4245.1	4202.1	4186.4	4186.4	4194.2	4166.8
17.5°	4213.8	4198.1	4213.8	4209.9	4205.9	4198.1	4159.0	4143.3	4139.3	4143.3	4123.7
20°	4159.0	4147.2	4159.0	4155.0	4155.0	4139.3	4100.2	4080.6	4080.6	4080.6	4061.1
22.5°	4072.8	4061.1	4072.8	4080.6	4080.6	4076.7	4041.4	4014.0	4006.2	4006.2	3982.7
25°	3974.9	3963.2	3974.9	3974.9	3971.0	3974.9	3963.2	3947.5	3935.7	3923.9	3900.5
27.5°	3880.9	3873.1	3880.9	3873.1	3880.9	3869.1	3865.3	3861.3	3845.7	3833.9	3802.6
30°	3786.9	3779.1	3786.9	3779.1	3771.3	3763.4	3743.8	3736.0	3751.6	3743.8	3692.9
32.5°	3669.4	3661.6	3669.4	3669.4	3661.6	3661.6	3630.3	3618.6	3622.4	3645.9	3598.9
35°	3548.0	3536.2	3548.0	3544.2	3548.0	3536.2	3516.7	3512.7	3497.1	3524.5	3489.3
37.5°	3407.0	3395.3	3407.0	3407.0	3407.0	3414.9	3399.2	3387.5	3363.9	3399.2	3371.8
40°	3262.2	3246.5	3262.2	3258.2	3262.2	3270.0	3262.2	3254.3	3230.9	3258.2	3234.7
42.5°	3097.7	3093.7	3097.7	3101.6	3101.6	3117.2	3129.0	3113.3	3105.5	3085.9	3101.6
45°	2921.4	2913.6	2921.4	2929.3	2933.2	2941.0	2976.3	2976.3	2964.5	2933.2	2956.7
47.5°	2733.5	2713.9	2733.5	2757.0	2757.0	2768.7	2803.9	2831.4	2811.7	2772.6	2784.4
50°	2533.7	2537.7	2533.7	2549.4	2549.4	2592.5	2619.9	2647.3	2666.9	2619.9	2565.0
52.5°	2337.9	2334.1	2337.9	2349.7	2365.4	2384.9	2432.0	2459.3	2490.6	2463.3	2377.1
55°	2142.1	2150.0	2142.1	2146.0	2153.8	2165.6	2236.1	2263.5	2322.3	2287.0	2196.9
57.5°	1946.4	1934.6	1946.4	1954.2	1958.1	1969.8	2028.6	2079.4	2114.7	2118.7	2009.0
60°	1719.2	1703.5	1719.2	1754.4	1762.3	1770.1	1824.9	1872.0	1903.3	1915.0	1801.4
62.5°	1519.4	1492.1	1519.4	1543.0	1558.7	1578.2	1617.4	1687.9	1715.3	1719.2	1558.7
65°	1308.0	1296.3	1308.0	1354.9	1358.9	1382.4	1425.5	1476.4	1535.2	1527.3	1296.3
67.5°	1116.1	1116.1	1116.1	1147.5	1170.9	1182.6	1237.5	1261.0	1335.4	1343.3	1080.9
70°	939.9	935.9	939.9	963.4	979.0	1006.5	1057.4	1084.7	1143.5	1163.1	877.2
72.5°	771.5	767.6	771.5	791.1	806.7	830.2	873.3	904.6	955.5	979.0	681.4
75°	622.6	614.8	622.6	638.3	634.4	665.7	701.0	732.3	779.3	794.9	505.2
77.5°	477.8	477.8	477.8	493.4	493.4	524.7	540.4	579.6	607.0	630.5	372.1
80°	356.4	352.4	356.4	360.3	360.3	375.9	403.4	430.8	454.3	454.3	254.5
82.5°	250.7	242.8	250.7	250.7	250.7	258.5	274.2	282.0	297.6	309.3	160.6
85°	156.6	156.6	156.6	160.6	156.6	164.5	168.4	176.3	176.3	168.4	97.9
87.5°	101.9	97.9	101.9	97.9	97.9	94.0	94.0	94.0	90.1	86.2	54.8
90°	34.9	34.9	34.9	34.9	34.9	46.5	62.0	69.9	60.1	40.4	25.7
92.5°	139.9	112.1	139.9	167.7	174.6	247.5	344.6	393.2	345.2	249.3	177.3
95°	487.5	403.4	487.5	571.6	592.6	778.2	1025.7	1149.4	970.8	613.4	345.5
97.5°	1168.0	1008.0	1168.0	1328.1	1368.1	1485.4	1641.8	1720.0	1422.1	826.4	379.5
100°	1682.9	1492.2	1682.9	1873.5	1921.3	1912.7	1901.2	1895.5	1564.9	903.8	407.9
102.5°	2189.3	2026.0	2189.3	2352.7	2393.5	2244.0	2044.8	1945.2	1609.8	939.3	436.4
105°	2835.1	2747.2	2835.1	2922.9	2944.8	2609.8	2163.0	1939.6	1615.0	965.7	478.7
107.5°	3258.0	3279.3	3258.0	3236.8	3231.5	2764.1	2141.0	1829.4	1543.2	970.6	541.2
110°	3419.3	3510.8	3419.3	3327.8	3305.0	2782.5	2085.9	1737.5	1479.4	963.2	576.1



TEST NUMBER: P934817

CATALOG NUMBER: SQ4-FA-075U-100D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3433.7	3574.2	3433.7	3293.2	3258.1	2723.4	2010.4	1653.9	1423.8	963.6	618.4
115°	3342.6	3537.4	3342.6	3147.9	3099.2	2584.0	1897.2	1553.7	1360.0	972.4	681.7
117.5°	3149.5	3365.6	3149.5	2933.6	2879.5	2414.6	1794.7	1484.8	1320.0	990.5	743.3
120°	2994.0	3203.9	2994.0	2784.1	2731.6	2306.8	1740.4	1457.2	1306.5	1005.2	779.1
122.5°	2842.5	3049.6	2842.5	2635.5	2583.7	2201.2	1691.1	1436.1	1299.5	1026.3	821.4
125°	2626.4	2817.1	2626.4	2435.7	2388.0	2063.0	1629.8	1413.1	1293.7	1054.8	875.7
127.5°	2432.1	2592.9	2432.1	2271.1	2230.9	1951.9	1579.9	1393.9	1290.3	1083.3	928.0
130°	2317.5	2466.1	2317.5	2168.8	2131.6	1883.2	1552.0	1386.5	1292.3	1104.1	962.9
132.5°	2213.5	2346.7	2213.5	2080.4	2047.1	1824.7	1528.2	1380.0	1293.7	1120.9	991.4
135°	2071.1	2185.9	2071.1	1956.3	1927.7	1741.4	1493.2	1369.1	1292.5	1139.4	1024.5
137.5°	1956.8	2050.8	1956.8	1863.0	1839.5	1682.1	1472.1	1367.2	1300.4	1166.9	1066.7
140°	1878.5	1966.2	1878.5	1790.7	1768.7	1632.8	1451.5	1360.8	1301.8	1183.7	1095.2
142.5°	1813.6	1889.1	1813.6	1738.0	1719.1	1599.7	1440.4	1360.8	1306.4	1197.9	1116.3
145°	1716.2	1773.3	1716.2	1659.0	1644.7	1547.0	1416.7	1351.6	1306.4	1216.2	1148.6
147.5°	1641.4	1688.8	1641.4	1594.0	1582.2	1505.3	1402.9	1351.6	1315.4	1243.2	1189.0
150°	1594.3	1632.8	1594.3	1555.9	1546.3	1481.4	1394.9	1351.6	1320.2	1257.2	1210.1
152.5°	1554.1	1583.1	1554.1	1525.1	1517.9	1462.4	1388.5	1351.6	1323.2	1266.4	1223.8
155°	1507.9	1527.1	1507.9	1488.7	1483.9	1439.8	1381.0	1351.6	1329.9	1286.7	1254.2
157.5°	1471.3	1484.8	1471.3	1457.8	1454.4	1420.2	1374.4	1351.6	1336.7	1306.8	1284.5
160°	1449.5	1457.2	1449.5	1441.8	1439.8	1410.4	1371.1	1351.6	1339.7	1316.1	1298.3
162.5°	1435.2	1442.6	1435.2	1427.9	1426.0	1401.2	1368.1	1351.6	1343.0	1325.8	1313.0
165°	1414.5	1422.3	1414.5	1406.8	1404.8	1387.1	1363.4	1351.6	1347.7	1339.9	1334.1
167.5°	1399.8	1403.1	1399.8	1396.4	1395.6	1384.0	1368.5	1360.8	1357.5	1351.0	1346.1
170°	1395.6	1395.6	1395.6	1395.6	1395.6	1384.0	1368.5	1360.8	1360.6	1360.2	1359.9
172.5°	1384.8	1381.9	1384.8	1387.6	1388.3	1379.1	1366.9	1360.8	1360.8	1360.8	1360.8
175°	1378.3	1378.3	1378.3	1378.3	1378.3	1372.4	1364.6	1360.8	1362.6	1366.3	1369.1
177.5°	1372.3	1369.1	1372.3	1375.6	1376.4	1371.8	1365.7	1362.6	1364.0	1366.9	1369.1
180°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1



TEST NUMBER: P934817

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3
2.5°	4198.1	4174.6	4174.6	4135.5	4119.8	4108.0	4088.4	4029.8	4014.0	3998.3	4021.9
5°	4233.4	4190.3	4159.0	4088.4	4029.8	4006.2	3931.8	3790.9	3696.8	3626.4	3587.2
7.5°	4241.2	4186.4	4127.6	4018.0	3877.0	3814.4	3587.2	3328.8	3258.2	3195.6	3156.4
10°	4233.4	4170.7	4088.4	3923.9	3591.1	3481.4	3254.3	3085.9	3042.8	3031.1	3042.8
12.5°	4205.9	4147.2	4033.6	3759.5	3293.5	3219.1	3085.9	2988.0	2980.2	2999.8	3105.5
15°	4159.0	4104.2	3971.0	3540.2	3129.0	3074.2	2980.2	2944.9	2988.0	3125.0	3442.3
17.5°	4112.0	4049.3	3884.8	3324.8	3003.7	2964.5	2897.9	2968.4	3211.2	3395.3	3501.1
20°	4049.3	3974.9	3786.9	3168.1	2913.6	2878.3	2847.0	3164.3	3348.3	3414.9	3473.6
22.5°	3974.9	3896.6	3653.7	3058.6	2819.7	2792.2	2811.7	3273.9	3348.3	3395.3	3446.2
25°	3877.0	3810.4	3497.1	2972.4	2745.3	2713.9	2788.3	3262.2	3305.3	3317.0	3418.8
27.5°	3786.9	3700.8	3332.6	2894.0	2655.2	2643.4	2807.9	3211.2	3242.6	3254.3	3363.9
30°	3677.2	3548.0	3148.6	2811.7	2561.2	2557.2	2811.7	3148.6	3140.8	3172.1	3281.7
32.5°	3563.7	3320.9	2941.0	2710.0	2471.1	2467.1	2784.4	3054.6	3046.8	3089.9	3172.1
35°	3458.0	3144.7	2659.1	2592.5	2357.6	2361.4	2717.8	2944.9	2948.9	2988.0	3038.9
37.5°	3348.3	2992.0	2349.7	2463.3	2247.9	2247.9	2627.7	2843.2	2835.3	2847.0	2917.6
40°	3219.1	2753.1	2075.6	2294.8	2146.0	2134.3	2518.1	2733.5	2706.0	2702.2	2800.1
42.5°	3082.0	2490.6	1872.0	2071.6	2028.6	2012.9	2384.9	2600.3	2549.4	2561.2	2686.5
45°	2933.2	2420.2	1715.3	1750.5	1907.1	1895.4	2240.0	2447.6	2412.3	2443.7	2572.9
47.5°	2784.4	2279.2	1664.4	1452.9	1777.9	1774.1	2079.4	2298.8	2279.2	2310.5	2447.6
50°	2580.8	2122.5	1660.4	1245.4	1633.1	1648.7	1887.6	2153.8	2153.8	2181.3	2326.1
52.5°	2318.3	1930.7	1507.7	1127.8	1464.6	1511.6	1719.2	2028.6	2036.4	2063.8	2193.1
55°	2079.4	1731.0	1398.0	1037.8	1264.9	1366.7	1554.7	1899.3	1915.0	1942.4	2059.9
57.5°	1860.2	1441.1	1374.6	932.1	1080.9	1178.8	1409.8	1774.1	1781.9	1805.4	1918.9
60°	1625.2	1041.6	1261.0	818.5	920.3	994.7	1276.7	1625.2	1652.6	1668.2	1766.1
62.5°	1358.9	755.8	1143.5	740.1	842.0	857.7	1167.0	1484.2	1519.4	1531.2	1590.0
65°	967.3	634.4	971.2	673.6	759.8	763.6	1049.6	1339.3	1370.7	1390.2	1433.3
67.5°	654.0	516.9	740.1	610.9	697.0	701.0	935.9	1170.9	1214.0	1229.7	1257.1
70°	454.3	344.6	548.2	544.4	626.6	634.4	814.6	1018.2	1057.4	1069.1	1084.7
72.5°	332.9	278.0	454.3	489.6	552.2	560.0	689.2	845.9	885.1	896.8	904.6
75°	254.5	293.7	368.1	426.8	469.9	473.8	564.0	689.2	716.7	724.5	728.4
77.5°	203.6	274.2	270.2	344.6	383.7	375.9	442.5	532.6	556.0	556.0	556.0
80°	152.7	215.4	203.6	246.7	282.0	274.2	317.2	379.9	387.7	395.5	391.6
82.5°	113.5	137.0	137.0	156.6	188.0	180.1	211.4	246.7	246.7	246.7	254.5
85°	70.4	78.3	62.6	82.2	105.7	101.9	117.5	133.2	137.0	137.0	129.2
87.5°	43.1	35.3	19.6	31.3	47.0	47.0	54.8	58.8	54.8	54.8	54.8
90°	23.8	16.5	9.2	16.5	23.8	25.7	40.4	60.1	69.9	62.0	46.5
92.5°	161.7	99.2	36.8	99.2	161.7	177.3	249.3	345.2	393.2	344.6	247.5
95°	317.0	202.5	88.2	202.5	317.0	345.5	613.4	970.8	1149.4	1025.7	778.2
97.5°	354.3	253.4	152.5	253.4	354.3	379.5	826.4	1422.1	1720.0	1641.8	1485.4
100°	385.1	293.6	202.1	293.6	385.1	407.9	903.8	1564.9	1895.5	1901.2	1912.7
102.5°	415.1	329.8	244.4	329.8	415.1	436.4	939.3	1609.8	1945.2	2044.8	2244.0
105°	460.6	388.4	316.1	388.4	460.6	478.7	965.7	1615.0	1939.6	2163.0	2609.8
107.5°	524.3	457.0	389.6	457.0	524.3	541.2	970.6	1543.2	1829.4	2141.0	2764.1
110°	560.9	500.0	439.2	500.0	560.9	576.1	963.2	1479.4	1737.5	2085.9	2782.5



TEST NUMBER: P934817

CATALOG NUMBER: SQ4-FA-075U-100D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	603.9	545.9	487.9	545.9	603.9	618.4	963.6	1423.8	1653.9	2010.4	2723.4
115°	668.4	614.8	561.4	614.8	668.4	681.7	972.4	1360.0	1553.7	1897.2	2584.0
117.5°	731.1	682.6	634.0	682.6	731.1	743.3	990.5	1320.0	1484.8	1794.7	2414.6
120°	767.7	722.0	676.3	722.0	767.7	779.1	1005.2	1306.5	1457.2	1740.4	2306.8
122.5°	809.9	763.7	717.6	763.7	809.9	821.4	1026.3	1299.5	1436.1	1691.1	2201.2
125°	865.2	823.1	781.0	823.1	865.2	875.7	1054.8	1293.7	1413.1	1629.8	2063.0
127.5°	917.5	875.0	832.5	875.0	917.5	928.0	1083.3	1290.3	1393.9	1579.9	1951.9
130°	951.4	905.8	860.1	905.8	951.4	962.9	1104.1	1292.3	1386.5	1552.0	1883.2
132.5°	979.9	934.3	888.5	934.3	979.9	991.4	1120.9	1293.7	1380.0	1528.2	1824.7
135°	1014.1	972.4	930.8	972.4	1014.1	1024.5	1139.4	1292.5	1369.1	1493.2	1741.4
137.5°	1056.5	1015.2	974.0	1015.2	1056.5	1066.7	1166.9	1300.4	1367.2	1472.1	1682.1
140°	1085.7	1047.7	1009.7	1047.7	1085.7	1095.2	1183.7	1301.8	1360.8	1451.5	1632.8
142.5°	1107.5	1072.5	1037.3	1072.5	1107.5	1116.3	1197.9	1306.4	1360.8	1440.4	1599.7
145°	1140.8	1110.2	1079.6	1110.2	1140.8	1148.6	1216.2	1306.4	1351.6	1416.7	1547.0
147.5°	1181.5	1151.7	1121.9	1151.7	1181.5	1189.0	1243.2	1315.4	1351.6	1402.9	1505.3
150°	1203.4	1176.4	1149.4	1176.4	1203.4	1210.1	1257.2	1320.2	1351.6	1394.9	1481.4
152.5°	1218.7	1198.3	1177.9	1198.3	1218.7	1223.8	1266.4	1323.2	1351.6	1388.5	1462.4
155°	1250.4	1235.3	1220.2	1235.3	1250.4	1254.2	1286.7	1329.9	1351.6	1381.0	1439.8
157.5°	1280.8	1266.1	1251.4	1266.1	1280.8	1284.5	1306.8	1336.7	1351.6	1374.4	1420.2
160°	1295.5	1284.0	1272.5	1284.0	1295.5	1298.3	1316.1	1339.7	1351.6	1371.1	1410.4
162.5°	1310.8	1302.3	1293.7	1302.3	1310.8	1313.0	1325.8	1343.0	1351.6	1368.1	1401.2
165°	1332.1	1324.4	1316.7	1324.4	1332.1	1334.1	1339.9	1347.7	1351.6	1363.4	1387.1
167.5°	1345.2	1341.4	1337.8	1341.4	1345.2	1346.1	1351.0	1357.5	1360.8	1368.5	1384.0
170°	1359.0	1355.2	1351.6	1355.2	1359.0	1359.9	1360.2	1360.6	1360.8	1368.5	1384.0
172.5°	1360.6	1359.7	1358.9	1359.7	1360.6	1360.8	1360.8	1360.8	1360.8	1366.9	1379.1
175°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1366.3	1362.6	1360.8	1364.6	1372.4
177.5°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1366.9	1364.0	1362.6	1365.7	1371.8
180°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1



TEST NUMBER: P934817
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3
2.5°	3994.5	3982.7	3998.3	3955.3	3998.3	3982.7	3994.5	4021.9	3998.3	4014.0	4029.8
5°	3504.9	3485.4	3422.7	3371.8	3422.7	3485.4	3504.9	3587.2	3626.4	3696.8	3790.9
7.5°	3132.9	3117.2	3101.6	3070.2	3101.6	3117.2	3132.9	3156.4	3195.6	3258.2	3328.8
10°	3050.6	3054.6	3078.1	3074.2	3078.1	3054.6	3050.6	3042.8	3031.1	3042.8	3085.9
12.5°	3262.2	3297.4	3426.6	3418.8	3426.6	3297.4	3262.2	3105.5	2999.8	2980.2	2988.0
15°	3504.9	3516.7	3544.2	3548.0	3544.2	3516.7	3504.9	3442.3	3125.0	2988.0	2944.9
17.5°	3528.4	3532.4	3552.0	3552.0	3552.0	3532.4	3528.4	3501.1	3395.3	3211.2	2968.4
20°	3508.9	3516.7	3555.8	3563.7	3555.8	3516.7	3508.9	3473.6	3414.9	3348.3	3164.3
22.5°	3501.1	3516.7	3548.0	3544.2	3548.0	3516.7	3501.1	3446.2	3395.3	3348.3	3273.9
25°	3461.9	3461.9	3465.8	3469.7	3465.8	3461.9	3461.9	3418.8	3317.0	3305.3	3262.2
27.5°	3379.7	3387.5	3411.0	3407.0	3411.0	3387.5	3379.7	3363.9	3254.3	3242.6	3211.2
30°	3305.3	3297.4	3277.8	3262.2	3277.8	3297.4	3305.3	3281.7	3172.1	3140.8	3148.6
32.5°	3179.9	3160.3	3140.8	3129.0	3140.8	3160.3	3179.9	3172.1	3089.9	3046.8	3054.6
35°	3031.1	3035.0	3031.1	3019.3	3031.1	3035.0	3031.1	3038.9	2988.0	2948.9	2944.9
37.5°	2925.4	2933.2	2929.3	2913.6	2929.3	2933.2	2925.4	2917.6	2847.0	2835.3	2843.2
40°	2815.7	2819.7	2815.7	2803.9	2815.7	2819.7	2815.7	2800.1	2702.2	2706.0	2733.5
42.5°	2710.0	2706.0	2694.3	2686.5	2694.3	2706.0	2710.0	2686.5	2561.2	2549.4	2600.3
45°	2588.6	2592.5	2569.0	2557.2	2569.0	2592.5	2588.6	2572.9	2443.7	2412.3	2447.6
47.5°	2467.1	2467.1	2447.6	2435.8	2447.6	2467.1	2467.1	2447.6	2310.5	2279.2	2298.8
50°	2337.9	2334.1	2306.6	2302.7	2306.6	2334.1	2337.9	2326.1	2181.3	2153.8	2153.8
52.5°	2189.1	2189.1	2193.1	2200.9	2193.1	2189.1	2189.1	2193.1	2063.8	2036.4	2028.6
55°	2059.9	2063.8	2091.2	2099.0	2091.2	2063.8	2059.9	2059.9	1942.4	1915.0	1899.3
57.5°	1926.7	1926.7	1946.4	1946.4	1946.4	1926.7	1926.7	1918.9	1805.4	1781.9	1774.1
60°	1774.1	1781.9	1797.5	1793.6	1797.5	1781.9	1774.1	1766.1	1668.2	1652.6	1625.2
62.5°	1613.4	1621.3	1625.2	1617.4	1625.2	1621.3	1613.4	1590.0	1531.2	1519.4	1484.2
65°	1445.0	1452.9	1456.8	1449.0	1456.8	1452.9	1445.0	1433.3	1390.2	1370.7	1339.3
67.5°	1272.7	1268.8	1264.9	1280.5	1264.9	1268.8	1272.7	1257.1	1229.7	1214.0	1170.9
70°	1096.5	1096.5	1092.6	1100.4	1092.6	1096.5	1096.5	1084.7	1069.1	1057.4	1018.2
72.5°	908.6	904.6	920.3	908.6	920.3	904.6	908.6	904.6	896.8	885.1	845.9
75°	724.5	732.3	724.5	736.3	724.5	732.3	724.5	728.4	724.5	716.7	689.2
77.5°	552.2	560.0	552.2	552.2	552.2	560.0	552.2	556.0	556.0	556.0	532.6
80°	391.6	387.7	387.7	383.7	387.7	387.7	391.6	391.6	395.5	387.7	379.9
82.5°	250.7	246.7	246.7	254.5	246.7	246.7	250.7	254.5	246.7	246.7	246.7
85°	137.0	141.0	133.2	133.2	133.2	141.0	137.0	129.2	137.0	137.0	133.2
87.5°	50.9	47.0	47.0	47.0	47.0	47.0	50.9	54.8	54.8	54.8	58.8
90°	34.9	34.9	34.9	34.9	34.9	34.9	34.9	46.5	62.0	69.9	60.1
92.5°	174.6	167.7	139.9	112.1	139.9	167.7	174.6	247.5	344.6	393.2	345.2
95°	592.6	571.6	487.5	403.4	487.5	571.6	592.6	778.2	1025.7	1149.4	970.8
97.5°	1368.1	1328.1	1168.0	1008.0	1168.0	1328.1	1368.1	1485.4	1641.8	1720.0	1422.1
100°	1921.3	1873.5	1682.9	1492.2	1682.9	1873.5	1921.3	1912.7	1901.2	1895.5	1564.9
102.5°	2393.5	2352.7	2189.3	2026.0	2189.3	2352.7	2393.5	2244.0	2044.8	1945.2	1609.8
105°	2944.8	2922.9	2835.1	2747.2	2835.1	2922.9	2944.8	2609.8	2163.0	1939.6	1615.0
107.5°	3231.5	3236.8	3258.0	3279.3	3258.0	3236.8	3231.5	2764.1	2141.0	1829.4	1543.2
110°	3305.0	3327.8	3419.3	3510.8	3419.3	3327.8	3305.0	2782.5	2085.9	1737.5	1479.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3258.1	3293.2	3433.7	3574.2	3433.7	3293.2	3258.1	2723.4	2010.4	1653.9	1423.8
115°	3099.2	3147.9	3342.6	3537.4	3342.6	3147.9	3099.2	2584.0	1897.2	1553.7	1360.0
117.5°	2879.5	2933.6	3149.5	3365.6	3149.5	2933.6	2879.5	2414.6	1794.7	1484.8	1320.0
120°	2731.6	2784.1	2994.0	3203.9	2994.0	2784.1	2731.6	2306.8	1740.4	1457.2	1306.5
122.5°	2583.7	2635.5	2842.5	3049.6	2842.5	2635.5	2583.7	2201.2	1691.1	1436.1	1299.5
125°	2388.0	2435.7	2626.4	2817.1	2626.4	2435.7	2388.0	2063.0	1629.8	1413.1	1293.7
127.5°	2230.9	2271.1	2432.1	2592.9	2432.1	2271.1	2230.9	1951.9	1579.9	1393.9	1290.3
130°	2131.6	2168.8	2317.5	2466.1	2317.5	2168.8	2131.6	1883.2	1552.0	1386.5	1292.3
132.5°	2047.1	2080.4	2213.5	2346.7	2213.5	2080.4	2047.1	1824.7	1528.2	1380.0	1293.7
135°	1927.7	1956.3	2071.1	2185.9	2071.1	1956.3	1927.7	1741.4	1493.2	1369.1	1292.5
137.5°	1839.5	1863.0	1956.8	2050.8	1956.8	1863.0	1839.5	1682.1	1472.1	1367.2	1300.4
140°	1768.7	1790.7	1878.5	1966.2	1878.5	1790.7	1768.7	1632.8	1451.5	1360.8	1301.8
142.5°	1719.1	1738.0	1813.6	1889.1	1813.6	1738.0	1719.1	1599.7	1440.4	1360.8	1306.4
145°	1644.7	1659.0	1716.2	1773.3	1716.2	1659.0	1644.7	1547.0	1416.7	1351.6	1306.4
147.5°	1582.2	1594.0	1641.4	1688.8	1641.4	1594.0	1582.2	1505.3	1402.9	1351.6	1315.4
150°	1546.3	1555.9	1594.3	1632.8	1594.3	1555.9	1546.3	1481.4	1394.9	1351.6	1320.2
152.5°	1517.9	1525.1	1554.1	1583.1	1554.1	1525.1	1517.9	1462.4	1388.5	1351.6	1323.2
155°	1483.9	1488.7	1507.9	1527.1	1507.9	1488.7	1483.9	1439.8	1381.0	1351.6	1329.9
157.5°	1454.4	1457.8	1471.3	1484.8	1471.3	1457.8	1454.4	1420.2	1374.4	1351.6	1336.7
160°	1439.8	1441.8	1449.5	1457.2	1449.5	1441.8	1439.8	1410.4	1371.1	1351.6	1339.7
162.5°	1426.0	1427.9	1435.2	1442.6	1435.2	1427.9	1426.0	1401.2	1368.1	1351.6	1343.0
165°	1404.8	1406.8	1414.5	1422.3	1414.5	1406.8	1404.8	1387.1	1363.4	1351.6	1347.7
167.5°	1395.6	1396.4	1399.8	1403.1	1399.8	1396.4	1395.6	1384.0	1368.5	1360.8	1357.5
170°	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6	1384.0	1368.5	1360.8	1360.6
172.5°	1388.3	1387.6	1384.8	1381.9	1384.8	1387.6	1388.3	1379.1	1366.9	1360.8	1360.8
175°	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1372.4	1364.6	1360.8	1362.6
177.5°	1376.4	1375.6	1372.3	1369.1	1372.3	1375.6	1376.4	1371.8	1365.7	1362.6	1364.0
180°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4139.3	4139.3	4139.3	4139.3	4139.3
2.5°	4088.4	4108.0	4119.8	4135.5	4174.6
5°	3931.8	4006.2	4029.8	4088.4	4159.0
7.5°	3587.2	3814.4	3877.0	4018.0	4127.6
10°	3254.3	3481.4	3591.1	3923.9	4088.4
12.5°	3085.9	3219.1	3293.5	3759.5	4033.6
15°	2980.2	3074.2	3129.0	3540.2	3971.0
17.5°	2897.9	2964.5	3003.7	3324.8	3884.8
20°	2847.0	2878.3	2913.6	3168.1	3786.9
22.5°	2811.7	2792.2	2819.7	3058.6	3653.7
25°	2788.3	2713.9	2745.3	2972.4	3497.1
27.5°	2807.9	2643.4	2655.2	2894.0	3332.6
30°	2811.7	2557.2	2561.2	2811.7	3148.6
32.5°	2784.4	2467.1	2471.1	2710.0	2941.0
35°	2717.8	2361.4	2357.6	2592.5	2659.1
37.5°	2627.7	2247.9	2247.9	2463.3	2349.7
40°	2518.1	2134.3	2146.0	2294.8	2075.6
42.5°	2384.9	2012.9	2028.6	2071.6	1872.0
45°	2240.0	1895.4	1907.1	1750.5	1715.3
47.5°	2079.4	1774.1	1777.9	1452.9	1664.4
50°	1887.6	1648.7	1633.1	1245.4	1660.4
52.5°	1719.2	1511.6	1464.6	1127.8	1507.7
55°	1554.7	1366.7	1264.9	1037.8	1398.0
57.5°	1409.8	1178.8	1080.9	932.1	1374.6
60°	1276.7	994.7	920.3	818.5	1261.0
62.5°	1167.0	857.7	842.0	740.1	1143.5
65°	1049.6	763.6	759.8	673.6	971.2
67.5°	935.9	701.0	697.0	610.9	740.1
70°	814.6	634.4	626.6	544.4	548.2
72.5°	689.2	560.0	552.2	489.6	454.3
75°	564.0	473.8	469.9	426.8	368.1
77.5°	442.5	375.9	383.7	344.6	270.2
80°	317.2	274.2	282.0	246.7	203.6
82.5°	211.4	180.1	188.0	156.6	137.0
85°	117.5	101.9	105.7	82.2	62.6
87.5°	54.8	47.0	47.0	31.3	19.6
90°	40.4	25.7	23.8	16.5	9.2
92.5°	249.3	177.3	161.7	99.2	36.8
95°	613.4	345.5	317.0	202.5	88.2
97.5°	826.4	379.5	354.3	253.4	152.5
100°	903.8	407.9	385.1	293.6	202.1
102.5°	939.3	436.4	415.1	329.8	244.4
105°	965.7	478.7	460.6	388.4	316.1
107.5°	970.6	541.2	524.3	457.0	389.6
110°	963.2	576.1	560.9	500.0	439.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	963.6	618.4	603.9	545.9	487.9
115°	972.4	681.7	668.4	614.8	561.4
117.5°	990.5	743.3	731.1	682.6	634.0
120°	1005.2	779.1	767.7	722.0	676.3
122.5°	1026.3	821.4	809.9	763.7	717.6
125°	1054.8	875.7	865.2	823.1	781.0
127.5°	1083.3	928.0	917.5	875.0	832.5
130°	1104.1	962.9	951.4	905.8	860.1
132.5°	1120.9	991.4	979.9	934.3	888.5
135°	1139.4	1024.5	1014.1	972.4	930.8
137.5°	1166.9	1066.7	1056.5	1015.2	974.0
140°	1183.7	1095.2	1085.7	1047.7	1009.7
142.5°	1197.9	1116.3	1107.5	1072.5	1037.3
145°	1216.2	1148.6	1140.8	1110.2	1079.6
147.5°	1243.2	1189.0	1181.5	1151.7	1121.9
150°	1257.2	1210.1	1203.4	1176.4	1149.4
152.5°	1266.4	1223.8	1218.7	1198.3	1177.9
155°	1286.7	1254.2	1250.4	1235.3	1220.2
157.5°	1306.8	1284.5	1280.8	1266.1	1251.4
160°	1316.1	1298.3	1295.5	1284.0	1272.5
162.5°	1325.8	1313.0	1310.8	1302.3	1293.7
165°	1339.9	1334.1	1332.1	1324.4	1316.7
167.5°	1351.0	1346.1	1345.2	1341.4	1337.8
170°	1360.2	1359.9	1359.0	1355.2	1351.6
172.5°	1360.8	1360.8	1360.6	1359.7	1358.9
175°	1366.3	1369.1	1369.1	1369.1	1369.1
177.5°	1366.9	1369.1	1369.1	1369.1	1369.1
180°	1369.1	1369.1	1369.1	1369.1	1369.1



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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	14.10	15.00	15.01	15.94	17.14	16.95	17.86	17.86	18.79	19.99
	3H	14.58	15.39	15.51	16.33	17.56	18.31	19.12	19.23	20.06	21.29
	4H	14.77	15.54	15.71	16.49	17.72	18.76	19.52	19.70	20.47	21.71
	6H	14.89	15.60	15.85	16.55	17.80	19.05	19.76	20.00	20.71	21.96
	8H	14.90	15.57	15.86	16.54	17.79	19.13	19.80	20.09	20.77	22.02
	12H	14.87	15.51	15.83	16.47	17.74	19.17	19.81	20.14	20.78	22.05
4H	2H	15.14	15.91	16.09	16.86	18.09	17.36	18.13	18.31	19.08	20.31
	3H	16.17	16.81	17.13	17.79	19.04	18.88	19.52	19.84	20.50	21.75
	4H	16.45	17.04	17.42	18.01	19.28	19.41	20.00	20.38	20.97	22.24
	6H	16.58	17.08	17.56	18.08	19.35	19.79	20.29	20.77	21.29	22.56
	8H	16.59	17.05	17.57	18.04	19.33	19.90	20.37	20.88	21.36	22.65
	12H	16.55	16.98	17.55	17.98	19.28	19.96	20.39	20.96	21.39	22.68
8H	4H	16.91	17.38	17.89	18.37	19.66	19.54	20.01	20.52	21.00	22.29
	6H	17.18	17.56	18.18	18.59	19.88	19.99	20.37	20.99	21.41	22.69
	8H	17.22	17.56	18.23	18.58	19.88	20.14	20.48	21.16	21.50	22.81
	12H	17.20	17.51	18.22	18.52	19.87	20.25	20.55	21.27	21.56	22.91
12H	4H	16.92	17.34	17.92	18.35	19.64	19.51	19.93	20.51	20.94	22.23
	6H	17.24	17.58	18.25	18.60	19.90	19.98	20.33	21.00	21.34	22.65
	8H	17.31	17.61	18.33	18.62	19.97	20.15	20.45	21.17	21.46	22.81