

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: P934825

Luminaire Tested: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934825
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-92765-1D-UNV-STD-W-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

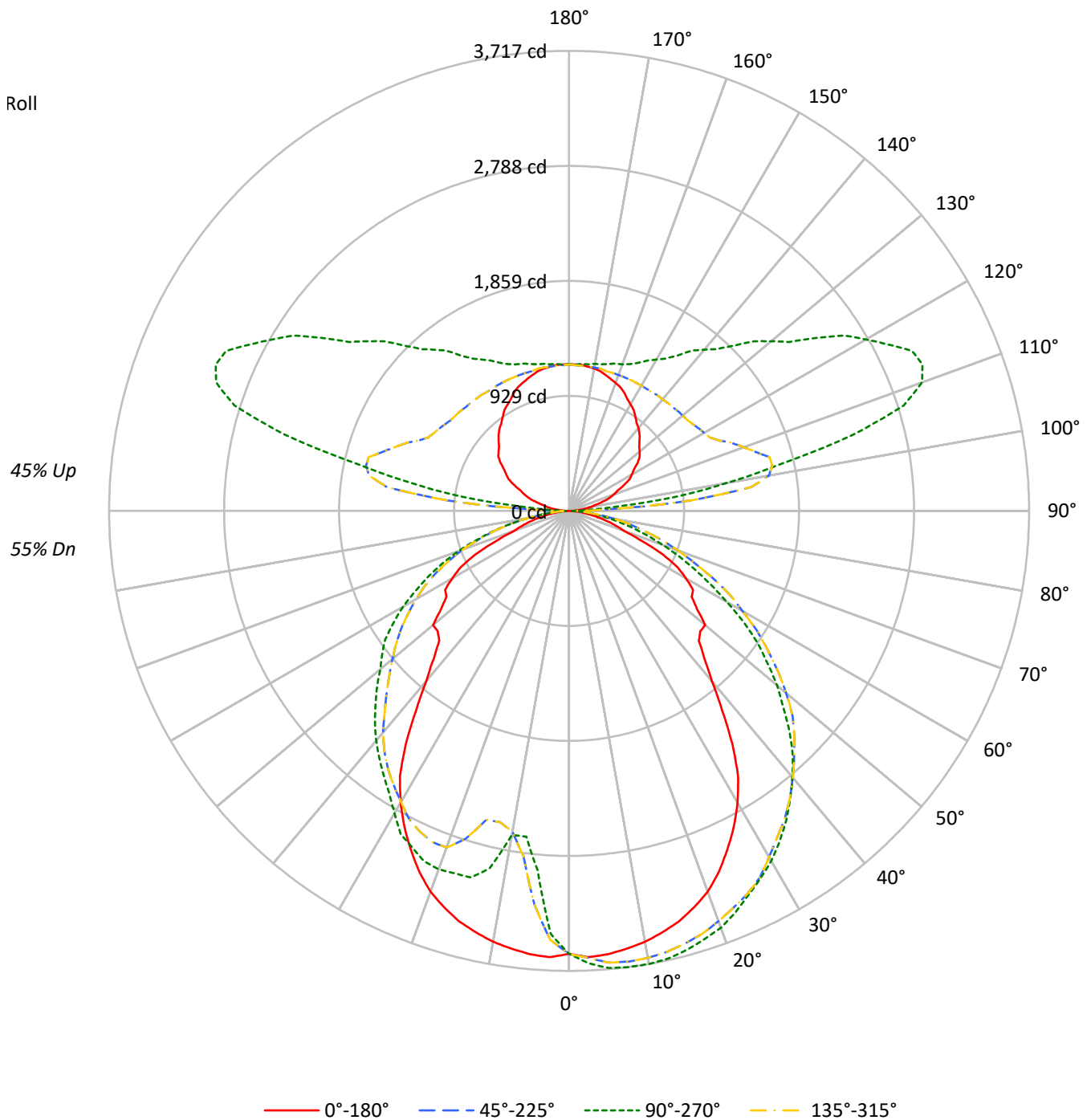
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16955.3 lumens
Efficiency: N/A
Efficacy: 110.4 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	
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°	11069	11069	11069	11069
5°	11156	11173	11156	8786
10°	11085	11006	11085	7869
15°	10968	10768	10968	8991
20°	10743	10485	10743	9010
25°	10278	10073	10278	8819
30°	9675	9731	9675	8400
35°	8630	9298	8630	7939
40°	7195	8789	7195	7591
45°	6433	8193	6433	7191
50°	6839	7482	6839	6789
55°	6441	6716	6441	6557
60°	6648	5704	6648	6005
65°	6037	4715	6037	5271
70°	4191	3757	4191	4418
75°	3688	2777	3688	3326
80°	2993	1836	2993	1999
85°	1756	972	1756	827

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 9853 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.0	1.9
10°-20°	917.1	5.4
20°-30°	1417.7	8.4
30°-40°	1692.5	10.0
40°-50°	1702.4	10.0
50°-60°	1481.3	8.7
60°-70°	1050.3	6.2
70°-80°	555.6	3.3
80°-90°	142.9	0.8
90°-100°	576.9	3.4
100°-110°	1516.7	8.9
110°-120°	1572.7	9.3
120°-130°	1261.5	7.4
130°-140°	989.8	5.8
140°-150°	759.7	4.5
150°-160°	547.1	3.2
160°-170°	334.8	2.0
170°-180°	113.1	0.7
0°-30°	2657.9	15.7
0°-40°	4350.4	25.7
0°-60°	7534.1	44.4
0°-90°	9282.9	54.7
90°-120°	3666.4	21.6
90°-150°	6677.4	39.4
90°-180°	7672.0	45.2
0°-180°	16955.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3578	3578	3578	3578	3578	
5°	3596	3707	3596	2915	3596	341
15°	3433	3673	3433	3067	3433	966
25°	3023	3426	3023	3000	3023	1388
35°	2299	3057	2299	2610	2299	1422
45°	1483	2519	1483	2211	1483	1188
55°	1209	1859	1209	1815	1209	1111
65°	840	1121	840	1253	840	802
75°	318	532	318	636	318	335
85°	54	135	54	115	54	73
90°	8	30	8	30	8	9
95°	76	349	76	349	76	85
105°	273	2375	273	2375	273	290
115°	485	3058	485	3058	485	479
125°	675	2435	675	2435	675	599
135°	805	1890	805	1890	805	623
145°	933	1533	933	1533	933	585
155°	1055	1320	1055	1320	1055	485
165°	1138	1230	1138	1230	1138	321
175°	1184	1192	1184	1192	1184	112
180°	1184	1184	1184	1184	1184	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5
2.5°	3608.9	3608.9	3629.3	3636.0	3636.0	3625.9	3615.7	3625.9	3656.4	3666.5	3663.1
5°	3595.5	3622.5	3659.8	3666.5	3673.3	3669.9	3663.1	3669.9	3703.8	3710.5	3713.9
7.5°	3568.3	3619.1	3666.5	3676.7	3686.8	3676.7	3673.3	3680.1	3713.9	3720.7	3720.7
10°	3534.5	3605.6	3659.8	3666.5	3676.7	3666.5	3666.5	3680.1	3713.9	3720.7	3724.1
12.5°	3487.1	3585.3	3636.0	3642.9	3656.4	3652.9	3649.6	3663.1	3697.0	3703.8	3703.8
15°	3432.9	3548.0	3595.5	3602.2	3625.9	3619.1	3619.1	3632.7	3669.9	3680.1	3676.7
17.5°	3358.4	3500.6	3554.8	3565.0	3581.9	3578.5	3581.9	3595.5	3629.3	3636.0	3639.4
20°	3273.8	3436.3	3500.6	3510.8	3527.7	3527.7	3527.7	3544.6	3578.5	3592.0	3592.0
22.5°	3158.7	3368.6	3436.3	3443.1	3463.4	3463.4	3470.2	3493.8	3524.3	3527.7	3527.7
25°	3023.3	3294.1	3351.7	3372.0	3392.3	3402.4	3412.6	3426.2	3436.3	3432.9	3436.3
27.5°	2881.1	3199.3	3273.8	3287.4	3314.4	3324.6	3338.1	3341.5	3344.9	3355.0	3348.3
30°	2721.9	3067.3	3179.0	3192.6	3236.5	3243.3	3229.8	3236.5	3253.5	3260.3	3267.0
32.5°	2542.5	2870.9	3080.8	3111.2	3151.9	3131.6	3128.2	3138.4	3165.5	3165.5	3172.2
35°	2298.8	2718.6	2989.4	3016.5	3046.9	3023.3	3036.8	3040.2	3057.1	3067.3	3063.9
37.5°	2031.3	2586.6	2894.6	2915.0	2938.6	2908.1	2928.5	2938.6	2952.2	2945.4	2945.4
40°	1794.4	2380.0	2782.9	2796.4	2816.7	2793.1	2813.3	2820.2	2826.9	2820.2	2816.7
42.5°	1618.3	2153.2	2664.4	2681.4	2667.8	2684.7	2691.4	2705.0	2694.9	2681.4	2681.4
45°	1482.9	2092.3	2535.7	2556.1	2535.7	2562.8	2573.0	2573.0	2542.5	2535.7	2532.4
47.5°	1438.9	1970.4	2407.1	2407.1	2396.9	2430.8	2447.8	2424.0	2393.5	2383.4	2383.4
50°	1435.4	1834.9	2231.1	2217.5	2264.9	2305.5	2288.6	2264.9	2241.2	2204.0	2204.0
52.5°	1303.4	1669.1	2004.2	2055.0	2129.5	2153.2	2126.1	2102.4	2061.8	2044.9	2031.3
55°	1208.6	1496.4	1797.7	1899.2	1977.1	2007.6	1956.8	1933.1	1872.2	1862.0	1855.3
57.5°	1188.3	1245.8	1608.2	1736.8	1831.6	1828.2	1797.7	1753.7	1702.9	1692.8	1689.4
60°	1090.1	900.5	1405.0	1557.3	1655.6	1645.4	1618.3	1577.7	1530.3	1523.5	1516.7
62.5°	988.6	653.4	1174.8	1347.5	1486.3	1482.9	1459.2	1398.2	1364.4	1347.5	1333.9
65°	839.6	548.4	836.2	1120.6	1320.3	1327.1	1276.3	1232.3	1195.1	1174.8	1171.4
67.5°	639.8	446.9	565.3	934.4	1161.3	1154.4	1090.1	1069.8	1022.4	1012.2	992.0
70°	474.0	297.9	392.7	758.4	1005.5	988.6	937.7	914.1	870.1	846.4	832.9
72.5°	392.7	240.4	287.8	589.1	846.4	826.0	782.0	755.0	717.7	697.4	683.9
75°	318.2	253.9	220.0	436.7	687.2	673.7	633.1	606.0	575.5	548.4	551.9
77.5°	233.6	237.0	176.0	321.7	545.1	524.8	501.0	467.2	453.6	426.6	426.6
80°	176.0	186.2	132.0	220.0	392.7	392.7	372.4	348.7	325.0	311.5	311.5
82.5°	118.5	118.5	98.1	138.8	267.4	257.3	243.8	237.0	223.4	216.7	216.7
85°	54.2	67.7	60.9	84.6	145.5	152.4	152.4	145.5	142.2	135.4	138.8
87.5°	16.9	30.5	37.2	47.4	74.5	77.9	81.2	81.2	81.2	84.6	84.6
90°	7.9	14.3	20.6	22.2	34.9	51.9	60.4	53.6	40.2	30.2	30.2
92.5°	31.8	85.8	139.8	153.3	215.5	298.4	339.9	297.9	214.0	150.9	144.9
95°	76.3	175.1	274.0	298.7	530.3	839.3	993.7	886.8	672.8	512.3	494.1
97.5°	131.9	219.1	306.3	328.1	714.4	1229.4	1487.0	1419.3	1284.1	1182.7	1148.1
100°	174.8	253.8	332.9	352.7	781.4	1352.9	1638.6	1643.6	1653.5	1660.9	1619.7
102.5°	211.3	285.1	358.8	377.3	812.0	1391.7	1681.6	1767.7	1940.0	2069.2	2033.9
105°	273.2	335.8	398.2	413.8	834.8	1396.2	1676.8	1869.9	2256.2	2545.8	2526.9
107.5°	336.8	395.0	453.3	467.9	839.1	1334.1	1581.5	1850.9	2389.6	2793.6	2798.2
110°	379.7	432.3	484.9	498.0	832.7	1279.0	1502.1	1803.2	2405.5	2857.1	2876.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	421.8	471.9	522.0	534.6	833.0	1230.9	1429.8	1738.0	2354.4	2816.7	2847.0
115°	485.3	531.5	577.8	589.3	840.6	1175.7	1343.2	1640.1	2233.9	2679.2	2721.3
117.5°	548.1	590.1	632.1	642.6	856.3	1141.1	1283.6	1551.5	2087.4	2489.4	2536.1
120°	584.7	624.2	663.7	673.6	869.0	1129.5	1259.8	1504.5	1994.2	2361.5	2406.8
122.5°	620.4	660.2	700.1	710.1	887.3	1123.4	1241.5	1461.9	1902.9	2233.6	2278.4
125°	675.2	711.6	748.0	757.0	911.9	1118.4	1221.7	1409.0	1783.5	2064.4	2105.7
127.5°	719.7	756.4	793.1	802.3	936.6	1115.5	1205.0	1365.8	1687.4	1928.6	1963.4
130°	743.5	783.1	822.5	832.4	954.5	1117.2	1198.6	1341.7	1628.1	1842.8	1874.9
132.5°	768.1	807.7	847.1	857.0	969.0	1118.4	1193.0	1321.2	1577.5	1769.8	1798.5
135°	804.7	840.6	876.7	885.6	985.0	1117.4	1183.6	1290.8	1505.5	1666.5	1691.3
137.5°	842.0	877.6	913.3	922.2	1008.8	1124.2	1181.9	1272.7	1454.2	1590.2	1610.5
140°	872.9	905.7	938.6	946.8	1023.3	1125.4	1176.4	1254.8	1411.5	1529.1	1548.0
142.5°	896.7	927.2	957.5	965.1	1035.5	1129.4	1176.4	1245.2	1382.9	1486.2	1502.5
145°	933.3	959.8	986.3	992.9	1051.4	1129.4	1168.4	1224.7	1337.4	1421.9	1434.3
147.5°	969.9	995.7	1021.5	1027.9	1074.7	1137.2	1168.4	1212.8	1301.3	1367.8	1378.1
150°	993.7	1017.0	1040.3	1046.1	1086.9	1141.3	1168.4	1205.9	1280.7	1336.8	1345.1
152.5°	1018.3	1036.0	1053.6	1058.0	1094.8	1143.9	1168.4	1200.4	1264.3	1312.2	1318.4
155°	1054.8	1067.9	1081.0	1084.2	1112.3	1149.7	1168.4	1193.9	1244.7	1282.8	1287.0
157.5°	1081.8	1094.6	1107.3	1110.5	1129.8	1155.5	1168.4	1188.2	1227.7	1257.4	1260.3
160°	1100.1	1110.0	1119.9	1122.4	1137.8	1158.2	1168.4	1185.4	1219.3	1244.7	1246.4
162.5°	1118.4	1125.8	1133.2	1135.1	1146.2	1161.0	1168.4	1182.7	1211.3	1232.8	1234.4
165°	1138.3	1145.0	1151.6	1153.3	1158.4	1165.1	1168.4	1178.7	1199.1	1214.5	1216.2
167.5°	1156.5	1159.6	1162.9	1163.7	1167.9	1173.6	1176.4	1183.1	1196.5	1206.5	1207.2
170°	1168.4	1171.6	1174.9	1175.6	1175.9	1176.2	1176.4	1183.1	1196.5	1206.5	1206.5
172.5°	1174.8	1175.5	1176.2	1176.4	1176.4	1176.4	1176.4	1181.7	1192.3	1200.2	1199.6
175°	1183.6	1183.6	1183.6	1183.6	1181.2	1178.0	1176.4	1179.7	1186.5	1191.5	1191.5
177.5°	1183.6	1183.6	1183.6	1183.6	1181.7	1179.2	1178.0	1180.7	1186.0	1189.9	1189.2
180°	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5
2.5°	3669.9	3659.8	3669.9	3663.1	3666.5	3656.4	3625.9	3615.7	3625.9	3636.0	3636.0
5°	3713.9	3707.2	3713.9	3713.9	3710.5	3703.8	3669.9	3663.1	3669.9	3673.3	3666.5
7.5°	3727.4	3717.3	3727.4	3720.7	3720.7	3713.9	3680.1	3673.3	3676.7	3686.8	3676.7
10°	3727.4	3717.3	3727.4	3724.1	3720.7	3713.9	3680.1	3666.5	3666.5	3676.7	3666.5
12.5°	3710.5	3703.8	3710.5	3703.8	3703.8	3697.0	3663.1	3649.6	3652.9	3656.4	3642.9
15°	3683.4	3673.3	3683.4	3676.7	3680.1	3669.9	3632.7	3619.1	3619.1	3625.9	3602.2
17.5°	3642.9	3629.3	3642.9	3639.4	3636.0	3629.3	3595.5	3581.9	3578.5	3581.9	3565.0
20°	3595.5	3585.3	3595.5	3592.0	3592.0	3578.5	3544.6	3527.7	3527.7	3527.7	3510.8
22.5°	3521.0	3510.8	3521.0	3527.7	3527.7	3524.3	3493.8	3470.2	3463.4	3463.4	3443.1
25°	3436.3	3426.2	3436.3	3436.3	3432.9	3436.3	3426.2	3412.6	3402.4	3392.3	3372.0
27.5°	3355.0	3348.3	3355.0	3348.3	3355.0	3344.9	3341.5	3338.1	3324.6	3314.4	3287.4
30°	3273.8	3267.0	3273.8	3267.0	3260.3	3253.5	3236.5	3229.8	3243.3	3236.5	3192.6
32.5°	3172.2	3165.5	3172.2	3172.2	3165.5	3165.5	3138.4	3128.2	3131.6	3151.9	3111.2
35°	3067.3	3057.1	3067.3	3063.9	3067.3	3057.1	3040.2	3036.8	3023.3	3046.9	3016.5
37.5°	2945.4	2935.2	2945.4	2945.4	2945.4	2952.2	2938.6	2928.5	2908.1	2938.6	2915.0
40°	2820.2	2806.6	2820.2	2816.7	2820.2	2826.9	2820.2	2813.3	2793.1	2816.7	2796.4
42.5°	2677.9	2674.5	2677.9	2681.4	2681.4	2694.9	2705.0	2691.4	2684.7	2667.8	2681.4
45°	2525.6	2518.8	2525.6	2532.4	2535.7	2542.5	2573.0	2573.0	2562.8	2535.7	2556.1
47.5°	2363.1	2346.2	2363.1	2383.4	2383.4	2393.5	2424.0	2447.8	2430.8	2396.9	2407.1
50°	2190.4	2193.8	2190.4	2204.0	2204.0	2241.2	2264.9	2288.6	2305.5	2264.9	2217.5
52.5°	2021.1	2017.8	2021.1	2031.3	2044.9	2061.8	2102.4	2126.1	2153.2	2129.5	2055.0
55°	1851.8	1858.7	1851.8	1855.3	1862.0	1872.2	1933.1	1956.8	2007.6	1977.1	1899.2
57.5°	1682.6	1672.5	1682.6	1689.4	1692.8	1702.9	1753.7	1797.7	1828.2	1831.6	1736.8
60°	1486.3	1472.7	1486.3	1516.7	1523.5	1530.3	1577.7	1618.3	1645.4	1655.6	1557.3
62.5°	1313.6	1289.9	1313.6	1333.9	1347.5	1364.4	1398.2	1459.2	1482.9	1486.3	1347.5
65°	1130.8	1120.6	1130.8	1171.4	1174.8	1195.1	1232.3	1276.3	1327.1	1320.3	1120.6
67.5°	964.9	964.9	964.9	992.0	1012.2	1022.4	1069.8	1090.1	1154.4	1161.3	934.4
70°	812.5	809.1	812.5	832.9	846.4	870.1	914.1	937.7	988.6	1005.5	758.4
72.5°	667.0	663.6	667.0	683.9	697.4	717.7	755.0	782.0	826.0	846.4	589.1
75°	538.3	531.5	538.3	551.9	548.4	575.5	606.0	633.1	673.7	687.2	436.7
77.5°	413.1	413.1	413.1	426.6	426.6	453.6	467.2	501.0	524.8	545.1	321.7
80°	308.1	304.7	308.1	311.5	311.5	325.0	348.7	372.4	392.7	392.7	220.0
82.5°	216.7	209.9	216.7	216.7	216.7	223.4	237.0	243.8	257.3	267.4	138.8
85°	135.4	135.4	135.4	138.8	135.4	142.2	145.5	152.4	152.4	145.5	84.6
87.5°	88.1	84.6	88.1	84.6	84.6	81.2	81.2	81.2	77.9	74.5	47.4
90°	30.2	30.2	30.2	30.2	30.2	40.2	53.6	60.4	51.9	34.9	22.2
92.5°	120.9	96.9	120.9	144.9	150.9	214.0	297.9	339.9	298.4	215.5	153.3
95°	421.4	348.7	421.4	494.1	512.3	672.8	886.8	993.7	839.3	530.3	298.7
97.5°	1009.8	871.4	1009.8	1148.1	1182.7	1284.1	1419.3	1487.0	1229.4	714.4	328.1
100°	1454.8	1290.0	1454.8	1619.7	1660.9	1653.5	1643.6	1638.6	1352.9	781.4	352.7
102.5°	1892.7	1751.5	1892.7	2033.9	2069.2	1940.0	1767.7	1681.6	1391.7	812.0	377.3
105°	2450.9	2375.0	2450.9	2526.9	2545.8	2256.2	1869.9	1676.8	1396.2	834.8	413.8
107.5°	2816.6	2834.9	2816.6	2798.2	2793.6	2389.6	1850.9	1581.5	1334.1	839.1	467.9
110°	2956.0	3035.1	2956.0	2876.9	2857.1	2405.5	1803.2	1502.1	1279.0	832.7	498.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2968.4	3089.9	2968.4	2847.0	2816.7	2354.4	1738.0	1429.8	1230.9	833.0	534.6
115°	2889.7	3058.1	2889.7	2721.3	2679.2	2233.9	1640.1	1343.2	1175.7	840.6	589.3
117.5°	2722.8	2909.6	2722.8	2536.1	2489.4	2087.4	1551.5	1283.6	1141.1	856.3	642.6
120°	2588.3	2769.8	2588.3	2406.8	2361.5	1994.2	1504.5	1259.8	1129.5	869.0	673.6
122.5°	2457.3	2636.4	2457.3	2278.4	2233.6	1902.9	1461.9	1241.5	1123.4	887.3	710.1
125°	2270.5	2435.4	2270.5	2105.7	2064.4	1783.5	1409.0	1221.7	1118.4	911.9	757.0
127.5°	2102.5	2241.6	2102.5	1963.4	1928.6	1687.4	1365.8	1205.0	1115.5	936.6	802.3
130°	2003.4	2132.0	2003.4	1874.9	1842.8	1628.1	1341.7	1198.6	1117.2	954.5	832.4
132.5°	1913.6	2028.7	1913.6	1798.5	1769.8	1577.5	1321.2	1193.0	1118.4	969.0	857.0
135°	1790.5	1889.7	1790.5	1691.3	1666.5	1505.5	1290.8	1183.6	1117.4	985.0	885.6
137.5°	1691.7	1772.9	1691.7	1610.5	1590.2	1454.2	1272.7	1181.9	1124.2	1008.8	922.2
140°	1624.0	1699.8	1624.0	1548.0	1529.1	1411.5	1254.8	1176.4	1125.4	1023.3	946.8
142.5°	1567.8	1633.1	1567.8	1502.5	1486.2	1382.9	1245.2	1176.4	1129.4	1035.5	965.1
145°	1483.6	1533.0	1483.6	1434.3	1421.9	1337.4	1224.7	1168.4	1129.4	1051.4	992.9
147.5°	1419.0	1460.0	1419.0	1378.1	1367.8	1301.3	1212.8	1168.4	1137.2	1074.7	1027.9
150°	1378.3	1411.5	1378.3	1345.1	1336.8	1280.7	1205.9	1168.4	1141.3	1086.9	1046.1
152.5°	1343.5	1368.6	1343.5	1318.4	1312.2	1264.3	1200.4	1168.4	1143.9	1094.8	1058.0
155°	1303.6	1320.1	1303.6	1287.0	1282.8	1244.7	1193.9	1168.4	1149.7	1112.3	1084.2
157.5°	1272.0	1283.6	1272.0	1260.3	1257.4	1227.7	1188.2	1168.4	1155.5	1129.8	1110.5
160°	1253.1	1259.8	1253.1	1246.4	1244.7	1219.3	1185.4	1168.4	1158.2	1137.8	1122.4
162.5°	1240.7	1247.1	1240.7	1234.4	1232.8	1211.3	1182.7	1168.4	1161.0	1146.2	1135.1
165°	1222.9	1229.6	1222.9	1216.2	1214.5	1199.1	1178.7	1168.4	1165.1	1158.4	1153.3
167.5°	1210.1	1212.9	1210.1	1207.2	1206.5	1196.5	1183.1	1176.4	1173.6	1167.9	1163.7
170°	1206.5	1206.5	1206.5	1206.5	1206.5	1196.5	1183.1	1176.4	1176.2	1175.9	1175.6
172.5°	1197.1	1194.7	1197.1	1199.6	1200.2	1192.3	1181.7	1176.4	1176.4	1176.4	1176.4
175°	1191.5	1191.5	1191.5	1191.5	1191.5	1186.5	1179.7	1176.4	1178.0	1181.2	1183.6
177.5°	1186.4	1183.6	1186.4	1189.2	1189.9	1186.0	1180.7	1178.0	1179.2	1181.7	1183.6
180°	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5
2.5°	3629.3	3608.9	3608.9	3575.1	3561.5	3551.4	3534.5	3483.7	3470.2	3456.6	3476.9
5°	3659.8	3622.5	3595.5	3534.5	3483.7	3463.4	3399.1	3277.2	3195.9	3135.0	3101.2
7.5°	3666.5	3619.1	3568.3	3473.6	3351.7	3297.5	3101.2	2877.7	2816.7	2762.6	2728.7
10°	3659.8	3605.6	3534.5	3392.3	3104.5	3009.7	2813.3	2667.8	2630.5	2620.4	2630.5
12.5°	3636.0	3585.3	3487.1	3250.1	2847.2	2782.9	2667.8	2583.1	2576.4	2593.3	2684.7
15°	3595.5	3548.0	3432.9	3060.5	2705.0	2657.6	2576.4	2545.9	2583.1	2701.6	2975.9
17.5°	3554.8	3500.6	3358.4	2874.3	2596.7	2562.8	2505.2	2566.2	2776.1	2935.2	3026.7
20°	3500.6	3436.3	3273.8	2738.8	2518.8	2488.3	2461.3	2735.5	2894.6	2952.2	3002.9
22.5°	3436.3	3368.6	3158.7	2644.1	2437.6	2413.9	2430.8	2830.3	2894.6	2935.2	2979.3
25°	3351.7	3294.1	3023.3	2569.6	2373.3	2346.2	2410.5	2820.2	2857.4	2867.6	2955.5
27.5°	3273.8	3199.3	2881.1	2501.9	2295.4	2285.2	2427.4	2776.1	2803.2	2813.3	2908.1
30°	3179.0	3067.3	2721.9	2430.8	2214.2	2210.7	2430.8	2721.9	2715.2	2742.3	2837.1
32.5°	3080.8	2870.9	2542.5	2342.8	2136.3	2132.8	2407.1	2640.7	2634.0	2671.2	2742.3
35°	2989.4	2718.6	2298.8	2241.2	2038.1	2041.5	2349.5	2545.9	2549.3	2583.1	2627.1
37.5°	2894.6	2586.6	2031.3	2129.5	1943.3	1943.3	2271.6	2457.9	2451.1	2461.3	2522.2
40°	2782.9	2380.0	1794.4	1983.9	1855.3	1845.1	2176.9	2363.1	2339.4	2336.0	2420.7
42.5°	2664.4	2153.2	1618.3	1790.9	1753.7	1740.1	2061.8	2248.0	2204.0	2214.2	2322.5
45°	2535.7	2092.3	1482.9	1513.3	1648.7	1638.6	1936.5	2115.9	2085.4	2112.6	2224.3
47.5°	2407.1	1970.4	1438.9	1256.0	1537.0	1533.7	1797.7	1987.3	1970.4	1997.5	2115.9
50°	2231.1	1834.9	1435.4	1076.6	1411.8	1425.3	1631.8	1862.0	1862.0	1885.7	2011.0
52.5°	2004.2	1669.1	1303.4	975.0	1266.2	1306.8	1486.3	1753.7	1760.4	1784.2	1895.9
55°	1797.7	1496.4	1208.6	897.2	1093.5	1181.5	1344.1	1642.0	1655.6	1679.2	1780.8
57.5°	1608.2	1245.8	1188.3	805.8	934.4	1019.1	1218.8	1533.7	1540.4	1560.7	1658.9
60°	1405.0	900.5	1090.1	707.6	795.6	859.9	1103.7	1405.0	1428.7	1442.2	1526.8
62.5°	1174.8	653.4	988.6	639.8	727.9	741.5	1008.9	1283.1	1313.6	1323.7	1374.5
65°	836.2	548.4	839.6	582.3	656.8	660.2	907.3	1157.9	1184.9	1201.8	1239.1
67.5°	565.3	446.9	639.8	528.1	602.6	606.0	809.1	1012.2	1049.5	1063.0	1086.8
70°	392.7	297.9	474.0	470.6	541.7	548.4	704.2	880.3	914.1	924.3	937.7
72.5°	287.8	240.4	392.7	423.2	477.4	484.1	595.8	731.3	765.1	775.3	782.0
75°	220.0	253.9	318.2	369.0	406.2	409.6	487.5	595.8	619.6	626.3	629.7
77.5°	176.0	237.0	233.6	297.9	331.7	325.0	382.6	460.5	480.7	480.7	480.7
80°	132.0	186.2	176.0	213.3	243.8	237.0	274.3	328.4	335.2	341.9	338.6
82.5°	98.1	118.5	118.5	135.4	162.5	155.7	182.8	213.3	213.3	213.3	220.0
85°	60.9	67.7	54.2	71.1	91.4	88.1	101.6	115.1	118.5	118.5	111.7
87.5°	37.2	30.5	16.9	27.1	40.7	40.7	47.4	50.8	47.4	47.4	47.4
90°	20.6	14.3	7.9	14.3	20.6	22.2	34.9	51.9	60.4	53.6	40.2
92.5°	139.8	85.8	31.8	85.8	139.8	153.3	215.5	298.4	339.9	297.9	214.0
95°	274.0	175.1	76.3	175.1	274.0	298.7	530.3	839.3	993.7	886.8	672.8
97.5°	306.3	219.1	131.9	219.1	306.3	328.1	714.4	1229.4	1487.0	1419.3	1284.1
100°	332.9	253.8	174.8	253.8	332.9	352.7	781.4	1352.9	1638.6	1643.6	1653.5
102.5°	358.8	285.1	211.3	285.1	358.8	377.3	812.0	1391.7	1681.6	1767.7	1940.0
105°	398.2	335.8	273.2	335.8	398.2	413.8	834.8	1396.2	1676.8	1869.9	2256.2
107.5°	453.3	395.0	336.8	395.0	453.3	467.9	839.1	1334.1	1581.5	1850.9	2389.6
110°	484.9	432.3	379.7	432.3	484.9	498.0	832.7	1279.0	1502.1	1803.2	2405.5



TEST NUMBER: P934825

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	522.0	471.9	421.8	471.9	522.0	534.6	833.0	1230.9	1429.8	1738.0	2354.4
115°	577.8	531.5	485.3	531.5	577.8	589.3	840.6	1175.7	1343.2	1640.1	2233.9
117.5°	632.1	590.1	548.1	590.1	632.1	642.6	856.3	1141.1	1283.6	1551.5	2087.4
120°	663.7	624.2	584.7	624.2	663.7	673.6	869.0	1129.5	1259.8	1504.5	1994.2
122.5°	700.1	660.2	620.4	660.2	700.1	710.1	887.3	1123.4	1241.5	1461.9	1902.9
125°	748.0	711.6	675.2	711.6	748.0	757.0	911.9	1118.4	1221.7	1409.0	1783.5
127.5°	793.1	756.4	719.7	756.4	793.1	802.3	936.6	1115.5	1205.0	1365.8	1687.4
130°	822.5	783.1	743.5	783.1	822.5	832.4	954.5	1117.2	1198.6	1341.7	1628.1
132.5°	847.1	807.7	768.1	807.7	847.1	857.0	969.0	1118.4	1193.0	1321.2	1577.5
135°	876.7	840.6	804.7	840.6	876.7	885.6	985.0	1117.4	1183.6	1290.8	1505.5
137.5°	913.3	877.6	842.0	877.6	913.3	922.2	1008.8	1124.2	1181.9	1272.7	1454.2
140°	938.6	905.7	872.9	905.7	938.6	946.8	1023.3	1125.4	1176.4	1254.8	1411.5
142.5°	957.5	927.2	896.7	927.2	957.5	965.1	1035.5	1129.4	1176.4	1245.2	1382.9
145°	986.3	959.8	933.3	959.8	986.3	992.9	1051.4	1129.4	1168.4	1224.7	1337.4
147.5°	1021.5	995.7	969.9	995.7	1021.5	1027.9	1074.7	1137.2	1168.4	1212.8	1301.3
150°	1040.3	1017.0	993.7	1017.0	1040.3	1046.1	1086.9	1141.3	1168.4	1205.9	1280.7
152.5°	1053.6	1036.0	1018.3	1036.0	1053.6	1058.0	1094.8	1143.9	1168.4	1200.4	1264.3
155°	1081.0	1067.9	1054.8	1067.9	1081.0	1084.2	1112.3	1149.7	1168.4	1193.9	1244.7
157.5°	1107.3	1094.6	1081.8	1094.6	1107.3	1110.5	1129.8	1155.5	1168.4	1188.2	1227.7
160°	1119.9	1110.0	1100.1	1110.0	1119.9	1122.4	1137.8	1158.2	1168.4	1185.4	1219.3
162.5°	1133.2	1125.8	1118.4	1125.8	1133.2	1135.1	1146.2	1161.0	1168.4	1182.7	1211.3
165°	1151.6	1145.0	1138.3	1145.0	1151.6	1153.3	1158.4	1165.1	1168.4	1178.7	1199.1
167.5°	1162.9	1159.6	1156.5	1159.6	1162.9	1163.7	1167.9	1173.6	1176.4	1183.1	1196.5
170°	1174.9	1171.6	1168.4	1171.6	1174.9	1175.6	1175.9	1176.2	1176.4	1183.1	1196.5
172.5°	1176.2	1175.5	1174.8	1175.5	1176.2	1176.4	1176.4	1176.4	1176.4	1181.7	1192.3
175°	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1181.2	1178.0	1176.4	1179.7	1186.5
177.5°	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1181.7	1179.2	1178.0	1180.7	1186.0
180°	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6



TEST NUMBER: P934825
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5
2.5°	3453.2	3443.1	3456.6	3419.3	3456.6	3443.1	3453.2	3476.9	3456.6	3470.2	3483.7
5°	3030.0	3013.1	2959.0	2915.0	2959.0	3013.1	3030.0	3101.2	3135.0	3195.9	3277.2
7.5°	2708.4	2694.9	2681.4	2654.2	2681.4	2694.9	2708.4	2728.7	2762.6	2816.7	2877.7
10°	2637.3	2640.7	2661.0	2657.6	2661.0	2640.7	2637.3	2630.5	2620.4	2630.5	2667.8
12.5°	2820.2	2850.6	2962.3	2955.5	2962.3	2850.6	2820.2	2684.7	2593.3	2576.4	2583.1
15°	3030.0	3040.2	3063.9	3067.3	3063.9	3040.2	3030.0	2975.9	2701.6	2583.1	2545.9
17.5°	3050.3	3053.8	3070.7	3070.7	3070.7	3053.8	3050.3	3026.7	2935.2	2776.1	2566.2
20°	3033.4	3040.2	3074.0	3080.8	3074.0	3040.2	3033.4	3002.9	2952.2	2894.6	2735.5
22.5°	3026.7	3040.2	3067.3	3063.9	3067.3	3040.2	3026.7	2979.3	2935.2	2894.6	2830.3
25°	2992.8	2992.8	2996.2	2999.5	2996.2	2992.8	2992.8	2955.5	2867.6	2857.4	2820.2
27.5°	2921.7	2928.5	2948.8	2945.4	2948.8	2928.5	2921.7	2908.1	2813.3	2803.2	2776.1
30°	2857.4	2850.6	2833.7	2820.2	2833.7	2850.6	2857.4	2837.1	2742.3	2715.2	2721.9
32.5°	2749.0	2732.1	2715.2	2705.0	2715.2	2732.1	2749.0	2742.3	2671.2	2634.0	2640.7
35°	2620.4	2623.8	2620.4	2610.2	2620.4	2623.8	2620.4	2627.1	2583.1	2549.3	2545.9
37.5°	2529.0	2535.7	2532.4	2518.8	2532.4	2535.7	2529.0	2522.2	2461.3	2451.1	2457.9
40°	2434.2	2437.6	2434.2	2424.0	2434.2	2437.6	2434.2	2420.7	2336.0	2339.4	2363.1
42.5°	2342.8	2339.4	2329.2	2322.5	2329.2	2339.4	2342.8	2322.5	2214.2	2204.0	2248.0
45°	2237.8	2241.2	2220.9	2210.7	2220.9	2241.2	2237.8	2224.3	2112.6	2085.4	2115.9
47.5°	2132.8	2132.8	2115.9	2105.8	2115.9	2132.8	2132.8	2115.9	1997.5	1970.4	1987.3
50°	2021.1	2017.8	1994.0	1990.7	1994.0	2017.8	2021.1	2011.0	1885.7	1862.0	1862.0
52.5°	1892.5	1892.5	1895.9	1902.7	1895.9	1892.5	1892.5	1895.9	1784.2	1760.4	1753.7
55°	1780.8	1784.2	1807.8	1814.6	1807.8	1784.2	1780.8	1780.8	1679.2	1655.6	1642.0
57.5°	1665.6	1665.6	1682.6	1682.6	1682.6	1665.6	1665.6	1658.9	1560.7	1540.4	1533.7
60°	1533.7	1540.4	1553.9	1550.6	1553.9	1540.4	1533.7	1526.8	1442.2	1428.7	1405.0
62.5°	1394.8	1401.6	1405.0	1398.2	1405.0	1401.6	1394.8	1374.5	1323.7	1313.6	1283.1
65°	1249.2	1256.0	1259.4	1252.7	1259.4	1256.0	1249.2	1239.1	1201.8	1184.9	1157.9
67.5°	1100.3	1096.9	1093.5	1107.0	1093.5	1096.9	1100.3	1086.8	1063.0	1049.5	1012.2
70°	947.9	947.9	944.6	951.3	944.6	947.9	947.9	937.7	924.3	914.1	880.3
72.5°	785.5	782.0	795.6	785.5	795.6	782.0	785.5	782.0	775.3	765.1	731.3
75°	626.3	633.1	626.3	636.5	626.3	633.1	626.3	629.7	626.3	619.6	595.8
77.5°	477.4	484.1	477.4	477.4	477.4	484.1	477.4	480.7	480.7	480.7	460.5
80°	338.6	335.2	335.2	331.7	335.2	335.2	338.6	338.6	341.9	335.2	328.4
82.5°	216.7	213.3	213.3	220.0	213.3	213.3	216.7	220.0	213.3	213.3	213.3
85°	118.5	121.9	115.1	115.1	115.1	121.9	118.5	111.7	118.5	118.5	115.1
87.5°	44.0	40.7	40.7	40.7	40.7	40.7	44.0	47.4	47.4	47.4	50.8
90°	30.2	30.2	30.2	30.2	30.2	30.2	30.2	40.2	53.6	60.4	51.9
92.5°	150.9	144.9	120.9	96.9	120.9	144.9	150.9	214.0	297.9	339.9	298.4
95°	512.3	494.1	421.4	348.7	421.4	494.1	512.3	672.8	886.8	993.7	839.3
97.5°	1182.7	1148.1	1009.8	871.4	1009.8	1148.1	1182.7	1284.1	1419.3	1487.0	1229.4
100°	1660.9	1619.7	1454.8	1290.0	1454.8	1619.7	1660.9	1653.5	1643.6	1638.6	1352.9
102.5°	2069.2	2033.9	1892.7	1751.5	1892.7	2033.9	2069.2	1940.0	1767.7	1681.6	1391.7
105°	2545.8	2526.9	2450.9	2375.0	2450.9	2526.9	2545.8	2256.2	1869.9	1676.8	1396.2
107.5°	2793.6	2798.2	2816.6	2834.9	2816.6	2798.2	2793.6	2389.6	1850.9	1581.5	1334.1
110°	2857.1	2876.9	2956.0	3035.1	2956.0	2876.9	2857.1	2405.5	1803.2	1502.1	1279.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2816.7	2847.0	2968.4	3089.9	2968.4	2847.0	2816.7	2354.4	1738.0	1429.8	1230.9
115°	2679.2	2721.3	2889.7	3058.1	2889.7	2721.3	2679.2	2233.9	1640.1	1343.2	1175.7
117.5°	2489.4	2536.1	2722.8	2909.6	2722.8	2536.1	2489.4	2087.4	1551.5	1283.6	1141.1
120°	2361.5	2406.8	2588.3	2769.8	2588.3	2406.8	2361.5	1994.2	1504.5	1259.8	1129.5
122.5°	2233.6	2278.4	2457.3	2636.4	2457.3	2278.4	2233.6	1902.9	1461.9	1241.5	1123.4
125°	2064.4	2105.7	2270.5	2435.4	2270.5	2105.7	2064.4	1783.5	1409.0	1221.7	1118.4
127.5°	1928.6	1963.4	2102.5	2241.6	2102.5	1963.4	1928.6	1687.4	1365.8	1205.0	1115.5
130°	1842.8	1874.9	2003.4	2132.0	2003.4	1874.9	1842.8	1628.1	1341.7	1198.6	1117.2
132.5°	1769.8	1798.5	1913.6	2028.7	1913.6	1798.5	1769.8	1577.5	1321.2	1193.0	1118.4
135°	1666.5	1691.3	1790.5	1889.7	1790.5	1691.3	1666.5	1505.5	1290.8	1183.6	1117.4
137.5°	1590.2	1610.5	1691.7	1772.9	1691.7	1610.5	1590.2	1454.2	1272.7	1181.9	1124.2
140°	1529.1	1548.0	1624.0	1699.8	1624.0	1548.0	1529.1	1411.5	1254.8	1176.4	1125.4
142.5°	1486.2	1502.5	1567.8	1633.1	1567.8	1502.5	1486.2	1382.9	1245.2	1176.4	1129.4
145°	1421.9	1434.3	1483.6	1533.0	1483.6	1434.3	1421.9	1337.4	1224.7	1168.4	1129.4
147.5°	1367.8	1378.1	1419.0	1460.0	1419.0	1378.1	1367.8	1301.3	1212.8	1168.4	1137.2
150°	1336.8	1345.1	1378.3	1411.5	1378.3	1345.1	1336.8	1280.7	1205.9	1168.4	1141.3
152.5°	1312.2	1318.4	1343.5	1368.6	1343.5	1318.4	1312.2	1264.3	1200.4	1168.4	1143.9
155°	1282.8	1287.0	1303.6	1320.1	1303.6	1287.0	1282.8	1244.7	1193.9	1168.4	1149.7
157.5°	1257.4	1260.3	1272.0	1283.6	1272.0	1260.3	1257.4	1227.7	1188.2	1168.4	1155.5
160°	1244.7	1246.4	1253.1	1259.8	1253.1	1246.4	1244.7	1219.3	1185.4	1168.4	1158.2
162.5°	1232.8	1234.4	1240.7	1247.1	1240.7	1234.4	1232.8	1211.3	1182.7	1168.4	1161.0
165°	1214.5	1216.2	1222.9	1229.6	1222.9	1216.2	1214.5	1199.1	1178.7	1168.4	1165.1
167.5°	1206.5	1207.2	1210.1	1212.9	1210.1	1207.2	1206.5	1196.5	1183.1	1176.4	1173.6
170°	1206.5	1206.5	1206.5	1206.5	1206.5	1206.5	1206.5	1196.5	1183.1	1176.4	1176.2
172.5°	1200.2	1199.6	1197.1	1194.7	1197.1	1199.6	1200.2	1192.3	1181.7	1176.4	1176.4
175°	1191.5	1191.5	1191.5	1191.5	1191.5	1191.5	1191.5	1186.5	1179.7	1176.4	1178.0
177.5°	1189.9	1189.2	1186.4	1183.6	1186.4	1189.2	1189.9	1186.0	1180.7	1178.0	1179.2
180°	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6	1183.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3578.5	3578.5	3578.5	3578.5	3578.5
2.5°	3534.5	3551.4	3561.5	3575.1	3608.9
5°	3399.1	3463.4	3483.7	3534.5	3595.5
7.5°	3101.2	3297.5	3351.7	3473.6	3568.3
10°	2813.3	3009.7	3104.5	3392.3	3534.5
12.5°	2667.8	2782.9	2847.2	3250.1	3487.1
15°	2576.4	2657.6	2705.0	3060.5	3432.9
17.5°	2505.2	2562.8	2596.7	2874.3	3358.4
20°	2461.3	2488.3	2518.8	2738.8	3273.8
22.5°	2430.8	2413.9	2437.6	2644.1	3158.7
25°	2410.5	2346.2	2373.3	2569.6	3023.3
27.5°	2427.4	2285.2	2295.4	2501.9	2881.1
30°	2430.8	2210.7	2214.2	2430.8	2721.9
32.5°	2407.1	2132.8	2136.3	2342.8	2542.5
35°	2349.5	2041.5	2038.1	2241.2	2298.8
37.5°	2271.6	1943.3	1943.3	2129.5	2031.3
40°	2176.9	1845.1	1855.3	1983.9	1794.4
42.5°	2061.8	1740.1	1753.7	1790.9	1618.3
45°	1936.5	1638.6	1648.7	1513.3	1482.9
47.5°	1797.7	1533.7	1537.0	1256.0	1438.9
50°	1631.8	1425.3	1411.8	1076.6	1435.4
52.5°	1486.3	1306.8	1266.2	975.0	1303.4
55°	1344.1	1181.5	1093.5	897.2	1208.6
57.5°	1218.8	1019.1	934.4	805.8	1188.3
60°	1103.7	859.9	795.6	707.6	1090.1
62.5°	1008.9	741.5	727.9	639.8	988.6
65°	907.3	660.2	656.8	582.3	839.6
67.5°	809.1	606.0	602.6	528.1	639.8
70°	704.2	548.4	541.7	470.6	474.0
72.5°	595.8	484.1	477.4	423.2	392.7
75°	487.5	409.6	406.2	369.0	318.2
77.5°	382.6	325.0	331.7	297.9	233.6
80°	274.3	237.0	243.8	213.3	176.0
82.5°	182.8	155.7	162.5	135.4	118.5
85°	101.6	88.1	91.4	71.1	54.2
87.5°	47.4	40.7	40.7	27.1	16.9
90°	34.9	22.2	20.6	14.3	7.9
92.5°	215.5	153.3	139.8	85.8	31.8
95°	530.3	298.7	274.0	175.1	76.3
97.5°	714.4	328.1	306.3	219.1	131.9
100°	781.4	352.7	332.9	253.8	174.8
102.5°	812.0	377.3	358.8	285.1	211.3
105°	834.8	413.8	398.2	335.8	273.2
107.5°	839.1	467.9	453.3	395.0	336.8
110°	832.7	498.0	484.9	432.3	379.7



TEST NUMBER: P934825

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	833.0	534.6	522.0	471.9	421.8
115°	840.6	589.3	577.8	531.5	485.3
117.5°	856.3	642.6	632.1	590.1	548.1
120°	869.0	673.6	663.7	624.2	584.7
122.5°	887.3	710.1	700.1	660.2	620.4
125°	911.9	757.0	748.0	711.6	675.2
127.5°	936.6	802.3	793.1	756.4	719.7
130°	954.5	832.4	822.5	783.1	743.5
132.5°	969.0	857.0	847.1	807.7	768.1
135°	985.0	885.6	876.7	840.6	804.7
137.5°	1008.8	922.2	913.3	877.6	842.0
140°	1023.3	946.8	938.6	905.7	872.9
142.5°	1035.5	965.1	957.5	927.2	896.7
145°	1051.4	992.9	986.3	959.8	933.3
147.5°	1074.7	1027.9	1021.5	995.7	969.9
150°	1086.9	1046.1	1040.3	1017.0	993.7
152.5°	1094.8	1058.0	1053.6	1036.0	1018.3
155°	1112.3	1084.2	1081.0	1067.9	1054.8
157.5°	1129.8	1110.5	1107.3	1094.6	1081.8
160°	1137.8	1122.4	1119.9	1110.0	1100.1
162.5°	1146.2	1135.1	1133.2	1125.8	1118.4
165°	1158.4	1153.3	1151.6	1145.0	1138.3
167.5°	1167.9	1163.7	1162.9	1159.6	1156.5
170°	1175.9	1175.6	1174.9	1171.6	1168.4
172.5°	1176.4	1176.4	1176.2	1175.5	1174.8
175°	1181.2	1183.6	1183.6	1183.6	1183.6
177.5°	1181.7	1183.6	1183.6	1183.6	1183.6
180°	1183.6	1183.6	1183.6	1183.6	1183.6



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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	13.59	14.50	14.51	15.43	16.63	16.44	17.35	17.36	18.28	19.49
	3H	14.07	14.89	15.00	15.83	17.05	17.80	18.61	18.73	19.55	20.78
	4H	14.27	15.03	15.21	15.98	17.22	18.25	19.02	19.19	19.97	21.20
	6H	14.39	15.09	15.34	16.05	17.30	18.54	19.25	19.50	20.20	21.45
	8H	14.39	15.06	15.35	16.03	17.28	18.62	19.30	19.58	20.27	21.51
	12H	14.36	15.00	15.33	15.97	17.24	18.67	19.31	19.63	20.27	21.54
4H	2H	14.64	15.40	15.58	16.35	17.59	16.86	17.63	17.81	18.57	19.81
	3H	15.67	16.31	16.63	17.29	18.53	18.37	19.01	19.33	19.99	21.24
	4H	15.95	16.53	16.91	17.50	18.78	18.91	19.49	19.88	20.46	21.74
	6H	16.07	16.58	17.05	17.57	18.84	19.28	19.79	20.26	20.78	22.05
	8H	16.08	16.55	17.06	17.54	18.83	19.39	19.86	20.37	20.85	22.14
	12H	16.05	16.47	17.05	17.48	18.77	19.46	19.88	20.46	20.89	22.18
8H	4H	16.41	16.88	17.39	17.87	19.15	19.04	19.51	20.02	20.50	21.78
	6H	16.67	17.06	17.68	18.09	19.37	19.48	19.87	20.49	20.90	22.19
	8H	16.71	17.05	17.73	18.07	19.38	19.64	19.98	20.65	21.00	22.30
	12H	16.70	17.00	17.72	18.01	19.36	19.74	20.04	20.76	21.05	22.40
12H	4H	16.41	16.84	17.42	17.84	19.14	19.00	19.43	20.00	20.43	21.72
	6H	16.73	17.07	17.75	18.09	19.40	19.48	19.82	20.49	20.84	22.14
	8H	16.80	17.10	17.82	18.11	19.46	19.64	19.95	20.66	20.96	22.31