

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: P934830

Luminaire Tested: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934830
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-12-6500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

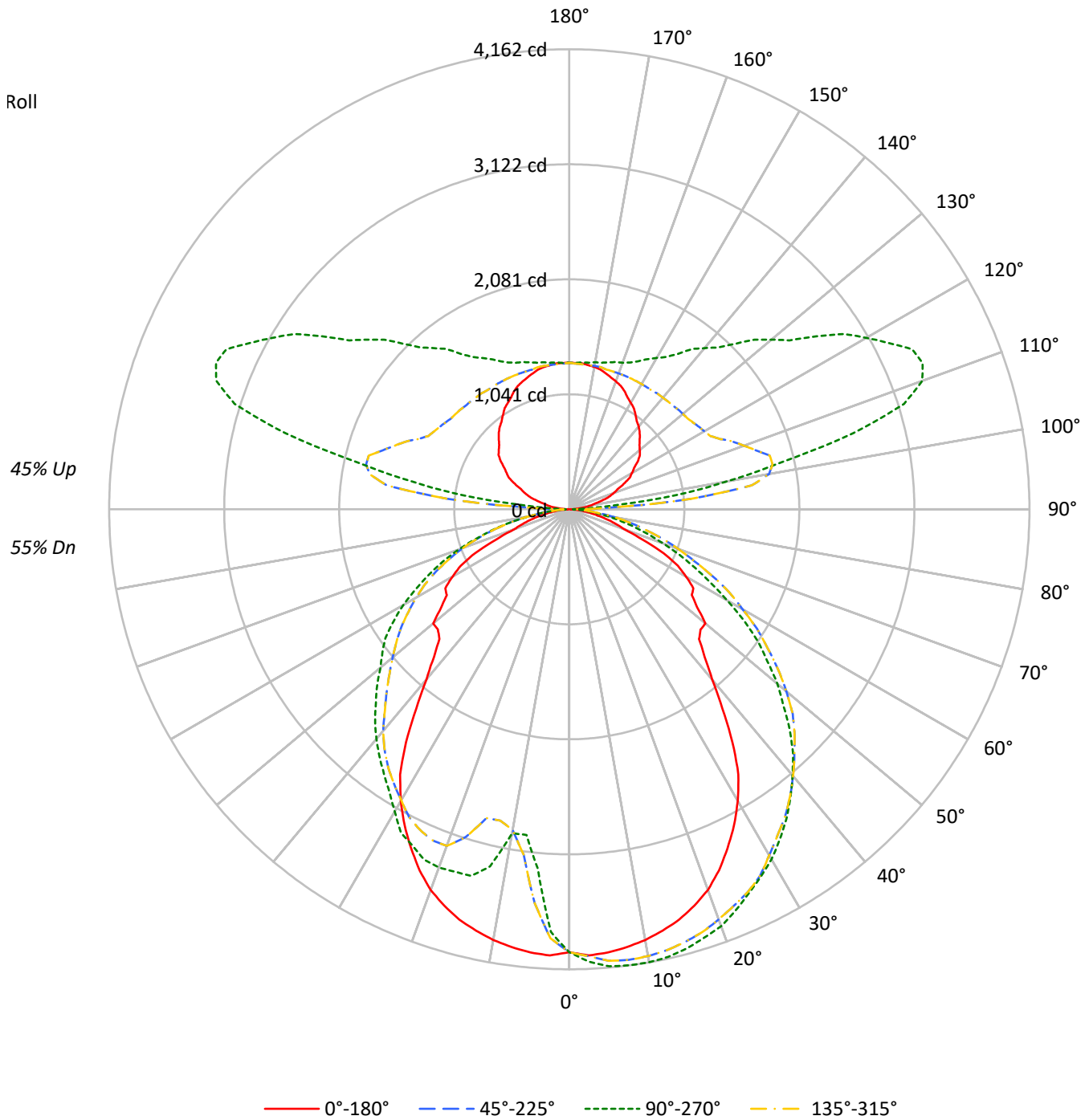
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18981.4 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 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

TEST NUMBER: P934830
CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-6500K

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12391	12391	12391	12391
5°	12488	12509	12488	9835
10°	12409	12321	12409	8809
15°	12279	12054	12279	10066
20°	12027	11738	12027	10087
25°	11506	11277	11506	9873
30°	10831	10894	10831	9404
35°	9661	10409	9661	8888
40°	8055	9840	8055	8498
45°	7201	9172	7201	8050
50°	7657	8376	7657	7601
55°	7210	7518	7210	7340
60°	7442	6385	7442	6723
65°	6758	5278	6758	5901
70°	4691	4206	4691	4946
75°	4130	3109	4130	3724
80°	3352	2056	3352	2238
85°	1964	1089	1964	926

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11030 cd/sqm



TEST NUMBER: P934830

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.6	1.9
10°-20°	1026.7	5.4
20°-30°	1587.2	8.4
30°-40°	1894.7	10.0
40°-50°	1905.8	10.0
50°-60°	1658.3	8.7
60°-70°	1175.8	6.2
70°-80°	622.0	3.3
80°-90°	160.0	0.8
90°-100°	645.8	3.4
100°-110°	1698.0	8.9
110°-120°	1760.6	9.3
120°-130°	1412.2	7.4
130°-140°	1108.1	5.8
140°-150°	850.5	4.5
150°-160°	612.5	3.2
160°-170°	374.8	2.0
170°-180°	126.6	0.7
0°-30°	2975.5	15.7
0°-40°	4870.3	25.7
0°-60°	8434.4	44.4
0°-90°	10392.2	54.7
90°-120°	4104.5	21.6
90°-150°	7475.3	39.4
90°-180°	8589.0	45.2
0°-180°	18981.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4006	4006	4006	4006	4006	
5°	4025	4150	4025	3263	4025	382
15°	3843	4112	3843	3434	3843	1081
25°	3384	3836	3384	3358	3384	1554
35°	2574	3422	2574	2922	2574	1592
45°	1660	2820	1660	2475	1660	1330
55°	1353	2081	1353	2031	1353	1243
65°	940	1254	940	1402	940	898
75°	356	595	356	713	356	375
85°	61	152	61	129	61	82
90°	9	34	9	34	9	10
95°	85	390	85	390	85	95
105°	306	2659	306	2659	306	324
115°	543	3424	543	3424	543	537
125°	756	2726	756	2726	756	671
135°	901	2116	901	2116	901	697
145°	1045	1716	1045	1716	1045	655
155°	1181	1478	1181	1478	1181	543
165°	1274	1376	1274	1376	1274	360
175°	1325	1334	1325	1334	1325	126
180°	1325	1325	1325	1325	1325	



TEST NUMBER: P934830

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	4040.2	4040.2	4063.0	4070.5	4070.5	4059.1	4047.8	4059.1	4093.3	4104.6	4100.8
5°	4025.1	4055.4	4097.1	4104.6	4112.2	4108.5	4100.8	4108.5	4146.3	4153.9	4157.7
7.5°	3994.7	4051.6	4104.6	4116.0	4127.4	4116.0	4112.2	4119.9	4157.7	4165.3	4165.3
10°	3956.8	4036.5	4097.1	4104.6	4116.0	4104.6	4104.6	4119.9	4157.7	4165.3	4169.1
12.5°	3903.8	4013.7	4070.5	4078.2	4093.3	4089.4	4085.7	4100.8	4138.8	4146.3	4146.3
15°	3843.1	3972.0	4025.1	4032.6	4059.1	4051.6	4051.6	4066.8	4108.5	4119.9	4116.0
17.5°	3759.8	3919.0	3979.6	3991.0	4009.9	4006.1	4009.9	4025.1	4063.0	4070.5	4074.3
20°	3665.0	3847.0	3919.0	3930.3	3949.3	3949.3	3949.3	3968.2	4006.1	4021.3	4021.3
22.5°	3536.1	3771.1	3847.0	3854.5	3877.3	3877.3	3884.8	3911.3	3945.4	3949.3	3949.3
25°	3384.5	3687.7	3752.2	3775.0	3797.6	3809.0	3820.4	3835.6	3847.0	3843.1	3847.0
27.5°	3225.3	3581.6	3665.0	3680.2	3710.5	3721.9	3737.0	3740.8	3744.5	3755.9	3748.4
30°	3047.2	3433.8	3558.9	3574.1	3623.3	3630.9	3615.7	3623.3	3642.2	3649.9	3657.4
32.5°	2846.3	3214.0	3449.0	3483.0	3528.5	3505.8	3502.1	3513.4	3543.7	3543.7	3551.3
35°	2573.5	3043.5	3346.7	3377.0	3411.0	3384.5	3399.6	3403.5	3422.4	3433.8	3430.1
37.5°	2274.0	2895.6	3240.5	3263.3	3289.8	3255.6	3278.4	3289.8	3305.0	3297.3	3297.3
40°	2008.8	2664.4	3115.5	3130.6	3153.3	3126.8	3149.5	3157.2	3164.7	3157.2	3153.3
42.5°	1811.7	2410.5	2982.7	3001.8	2986.6	3005.5	3013.1	3028.3	3016.9	3001.8	3001.8
45°	1660.0	2342.3	2838.7	2861.5	2838.7	2869.1	2880.4	2880.4	2846.3	2838.7	2835.0
47.5°	1610.8	2205.8	2694.7	2694.7	2683.4	2721.2	2740.3	2713.7	2679.5	2668.3	2668.3
50°	1607.0	2054.2	2497.7	2482.5	2535.5	2581.1	2562.1	2535.5	2509.1	2467.4	2467.4
52.5°	1459.2	1868.5	2243.7	2300.6	2384.0	2410.5	2380.2	2353.7	2308.2	2289.2	2274.0
55°	1353.0	1675.3	2012.5	2126.2	2213.4	2247.5	2190.6	2164.2	2095.9	2084.5	2076.9
57.5°	1330.4	1394.7	1800.3	1944.3	2050.5	2046.6	2012.5	1963.3	1906.4	1895.1	1891.3
60°	1220.4	1008.1	1572.8	1743.4	1853.4	1842.0	1811.7	1766.2	1713.1	1705.6	1697.9
62.5°	1106.7	731.5	1315.1	1508.5	1663.9	1660.0	1633.6	1565.3	1527.4	1508.5	1493.3
65°	939.9	614.0	936.1	1254.5	1478.1	1485.7	1428.8	1379.6	1337.9	1315.1	1311.3
67.5°	716.3	500.3	632.9	1046.1	1300.0	1292.4	1220.4	1197.6	1144.6	1133.2	1110.5
70°	530.6	333.5	439.7	849.0	1125.6	1106.7	1049.8	1023.3	974.1	947.5	932.4
72.5°	439.7	269.1	322.1	659.5	947.5	924.7	875.5	845.2	803.5	780.7	765.6
75°	356.3	284.3	246.3	488.9	769.4	754.2	708.7	678.4	644.3	614.0	617.8
77.5°	261.5	265.3	197.1	360.1	610.2	587.5	560.9	523.0	507.8	477.5	477.5
80°	197.1	208.5	147.8	246.3	439.7	439.7	416.9	390.4	363.8	348.7	348.7
82.5°	132.6	132.6	109.9	155.4	299.4	288.0	272.9	265.3	250.1	242.6	242.6
85°	60.6	75.8	68.2	94.8	162.9	170.6	170.6	162.9	159.2	151.6	155.4
87.5°	18.9	34.1	41.7	53.1	83.4	87.2	90.9	90.9	90.9	94.8	94.8
90°	8.9	16.0	23.0	24.9	39.1	58.1	67.6	60.0	45.0	33.8	33.8
92.5°	35.6	96.0	156.5	171.6	241.2	334.1	380.6	333.5	239.5	169.0	162.3
95°	85.4	196.0	306.7	334.4	593.7	939.6	1112.4	992.7	753.2	573.5	553.2
97.5°	147.6	245.3	342.9	367.3	799.8	1376.3	1664.6	1588.9	1437.5	1324.0	1285.3
100°	195.6	284.2	372.7	394.8	874.7	1514.5	1834.5	1840.0	1851.1	1859.4	1813.2
102.5°	236.6	319.2	401.7	422.4	909.1	1558.0	1882.6	1978.9	2171.8	2316.5	2277.0
105°	305.9	375.9	445.8	463.3	934.6	1563.0	1877.2	2093.4	2525.8	2850.0	2828.8
107.5°	377.0	442.2	507.5	523.8	939.4	1493.5	1770.5	2072.1	2675.1	3127.4	3132.6
110°	425.0	483.9	542.8	557.6	932.2	1431.8	1681.6	2018.7	2692.9	3198.6	3220.6



TEST NUMBER: P934830

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	472.2	528.3	584.4	598.5	932.6	1378.0	1600.7	1945.7	2635.7	3153.2	3187.2
115°	543.3	595.0	646.9	659.8	941.1	1316.2	1503.7	1836.1	2500.8	2999.4	3046.5
117.5°	613.6	660.6	707.6	719.3	958.6	1277.5	1437.0	1736.9	2336.8	2786.8	2839.1
120°	654.5	698.8	743.0	754.1	972.8	1264.5	1410.3	1684.3	2232.5	2643.7	2694.5
122.5°	694.5	739.1	783.8	795.0	993.3	1257.7	1389.8	1636.6	2130.3	2500.5	2550.6
125°	755.9	796.6	837.3	847.5	1020.8	1252.0	1367.6	1577.3	1996.6	2311.1	2357.3
127.5°	805.7	846.8	887.9	898.2	1048.5	1248.8	1349.0	1529.0	1889.1	2159.1	2198.0
130°	832.4	876.6	920.8	931.9	1068.5	1250.7	1341.8	1502.1	1822.6	2063.0	2098.9
132.5°	859.9	904.2	948.4	959.4	1084.8	1252.0	1335.6	1479.0	1766.0	1981.2	2013.5
135°	900.8	941.1	981.4	991.5	1102.7	1250.9	1325.0	1445.1	1685.4	1865.6	1893.4
137.5°	942.6	982.5	1022.5	1032.4	1129.4	1258.5	1323.2	1424.7	1627.9	1780.2	1803.0
140°	977.2	1013.9	1050.8	1059.9	1145.6	1259.9	1317.0	1404.7	1580.2	1711.8	1733.0
142.5°	1003.9	1037.9	1071.9	1080.4	1159.3	1264.4	1317.0	1394.0	1548.2	1663.8	1682.0
145°	1044.8	1074.5	1104.1	1111.6	1177.1	1264.4	1308.1	1371.1	1497.2	1591.8	1605.6
147.5°	1085.8	1114.6	1143.5	1150.7	1203.2	1273.1	1308.1	1357.7	1456.9	1531.2	1542.7
150°	1112.4	1138.5	1164.6	1171.1	1216.8	1277.7	1308.1	1350.0	1433.7	1496.5	1505.8
152.5°	1140.0	1159.8	1179.5	1184.4	1225.6	1280.6	1308.1	1343.8	1415.4	1469.0	1476.0
155°	1180.9	1195.5	1210.2	1213.8	1245.3	1287.1	1308.1	1336.6	1393.5	1436.1	1440.8
157.5°	1211.1	1225.4	1239.6	1243.1	1264.8	1293.6	1308.1	1330.2	1374.4	1407.6	1410.9
160°	1231.6	1242.7	1253.8	1256.5	1273.7	1296.6	1308.1	1327.0	1365.0	1393.5	1395.4
162.5°	1252.0	1260.4	1268.6	1270.7	1283.1	1299.8	1308.1	1324.0	1356.1	1380.1	1381.9
165°	1274.3	1281.8	1289.2	1291.1	1296.8	1304.3	1308.1	1319.5	1342.4	1359.6	1361.5
167.5°	1294.7	1298.2	1301.9	1302.7	1307.5	1313.8	1317.0	1324.4	1339.4	1350.7	1351.5
170°	1308.1	1311.6	1315.2	1316.1	1316.4	1316.8	1317.0	1324.4	1339.4	1350.7	1350.7
172.5°	1315.1	1315.9	1316.8	1317.0	1317.0	1317.0	1317.0	1322.9	1334.7	1343.6	1343.0
175°	1325.0	1325.0	1325.0	1325.0	1322.3	1318.8	1317.0	1320.7	1328.2	1333.9	1333.9
177.5°	1325.0	1325.0	1325.0	1325.0	1322.9	1320.1	1318.8	1321.7	1327.7	1332.1	1331.3
180°	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0



TEST NUMBER: P934830

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	4108.5	4097.1	4108.5	4100.8	4104.6	4093.3	4059.1	4047.8	4059.1	4070.5	4070.5
5°	4157.7	4150.2	4157.7	4157.7	4153.9	4146.3	4108.5	4100.8	4108.5	4112.2	4104.6
7.5°	4172.8	4161.5	4172.8	4165.3	4165.3	4157.7	4119.9	4112.2	4116.0	4127.4	4116.0
10°	4172.8	4161.5	4172.8	4169.1	4165.3	4157.7	4119.9	4104.6	4104.6	4116.0	4104.6
12.5°	4153.9	4146.3	4153.9	4146.3	4146.3	4138.8	4100.8	4085.7	4089.4	4093.3	4078.2
15°	4123.6	4112.2	4123.6	4116.0	4119.9	4108.5	4066.8	4051.6	4051.6	4059.1	4032.6
17.5°	4078.2	4063.0	4078.2	4074.3	4070.5	4063.0	4025.1	4009.9	4006.1	4009.9	3991.0
20°	4025.1	4013.7	4025.1	4021.3	4021.3	4006.1	3968.2	3949.3	3949.3	3949.3	3930.3
22.5°	3941.7	3930.3	3941.7	3949.3	3949.3	3945.4	3911.3	3884.8	3877.3	3877.3	3854.5
25°	3847.0	3835.6	3847.0	3847.0	3843.1	3847.0	3835.6	3820.4	3809.0	3797.6	3775.0
27.5°	3755.9	3748.4	3755.9	3748.4	3755.9	3744.5	3740.8	3737.0	3721.9	3710.5	3680.2
30°	3665.0	3657.4	3665.0	3657.4	3649.9	3642.2	3623.3	3615.7	3630.9	3623.3	3574.1
32.5°	3551.3	3543.7	3551.3	3551.3	3543.7	3543.7	3513.4	3502.1	3505.8	3528.5	3483.0
35°	3433.8	3422.4	3433.8	3430.1	3433.8	3422.4	3403.5	3399.6	3384.5	3411.0	3377.0
37.5°	3297.3	3286.0	3297.3	3297.3	3297.3	3305.0	3289.8	3278.4	3255.6	3289.8	3263.3
40°	3157.2	3142.0	3157.2	3153.3	3157.2	3164.7	3157.2	3149.5	3126.8	3153.3	3130.6
42.5°	2998.0	2994.1	2998.0	3001.8	3001.8	3016.9	3028.3	3013.1	3005.5	2986.6	3001.8
45°	2827.4	2819.8	2827.4	2835.0	2838.7	2846.3	2880.4	2880.4	2869.1	2838.7	2861.5
47.5°	2645.5	2626.6	2645.5	2668.3	2668.3	2679.5	2713.7	2740.3	2721.2	2683.4	2694.7
50°	2452.2	2456.0	2452.2	2467.4	2467.4	2509.1	2535.5	2562.1	2581.1	2535.5	2482.5
52.5°	2262.6	2258.9	2262.6	2274.0	2289.2	2308.2	2353.7	2380.2	2410.5	2384.0	2300.6
55°	2073.1	2080.8	2073.1	2076.9	2084.5	2095.9	2164.2	2190.6	2247.5	2213.4	2126.2
57.5°	1883.7	1872.3	1883.7	1891.3	1895.1	1906.4	1963.3	2012.5	2046.6	2050.5	1944.3
60°	1663.9	1648.7	1663.9	1697.9	1705.6	1713.1	1766.2	1811.7	1842.0	1853.4	1743.4
62.5°	1470.5	1444.0	1470.5	1493.3	1508.5	1527.4	1565.3	1633.6	1660.0	1663.9	1508.5
65°	1265.9	1254.5	1265.9	1311.3	1315.1	1337.9	1379.6	1428.8	1485.7	1478.1	1254.5
67.5°	1080.2	1080.2	1080.2	1110.5	1133.2	1144.6	1197.6	1220.4	1292.4	1300.0	1046.1
70°	909.6	905.8	909.6	932.4	947.5	974.1	1023.3	1049.8	1106.7	1125.6	849.0
72.5°	746.7	742.9	746.7	765.6	780.7	803.5	845.2	875.5	924.7	947.5	659.5
75°	602.6	595.0	602.6	617.8	614.0	644.3	678.4	708.7	754.2	769.4	488.9
77.5°	462.4	462.4	462.4	477.5	477.5	507.8	523.0	560.9	587.5	610.2	360.1
80°	344.9	341.1	344.9	348.7	348.7	363.8	390.4	416.9	439.7	439.7	246.3
82.5°	242.6	234.9	242.6	242.6	242.6	250.1	265.3	272.9	288.0	299.4	155.4
85°	151.6	151.6	151.6	155.4	151.6	159.2	162.9	170.6	170.6	162.9	94.8
87.5°	98.6	94.8	98.6	94.8	94.8	90.9	90.9	90.9	87.2	83.4	53.1
90°	33.8	33.8	33.8	33.8	33.8	45.0	60.0	67.6	58.1	39.1	24.9
92.5°	135.4	108.5	135.4	162.3	169.0	239.5	333.5	380.6	334.1	241.2	171.6
95°	471.8	390.4	471.8	553.2	573.5	753.2	992.7	1112.4	939.6	593.7	334.4
97.5°	1130.4	975.5	1130.4	1285.3	1324.0	1437.5	1588.9	1664.6	1376.3	799.8	367.3
100°	1628.7	1444.1	1628.7	1813.2	1859.4	1851.1	1840.0	1834.5	1514.5	874.7	394.8
102.5°	2118.8	1960.8	2118.8	2277.0	2316.5	2171.8	1978.9	1882.6	1558.0	909.1	422.4
105°	2743.8	2658.8	2743.8	2828.8	2850.0	2525.8	2093.4	1877.2	1563.0	934.6	463.3
107.5°	3153.1	3173.7	3153.1	3132.6	3127.4	2675.1	2072.1	1770.5	1493.5	939.4	523.8
110°	3309.2	3397.7	3309.2	3220.6	3198.6	2692.9	2018.7	1681.6	1431.8	932.2	557.6



TEST NUMBER: P934830

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3323.2	3459.1	3323.2	3187.2	3153.2	2635.7	1945.7	1600.7	1378.0	932.6	598.5
115°	3235.0	3423.6	3235.0	3046.5	2999.4	2500.8	1836.1	1503.7	1316.2	941.1	659.8
117.5°	3048.2	3257.3	3048.2	2839.1	2786.8	2336.8	1736.9	1437.0	1277.5	958.6	719.3
120°	2897.6	3100.7	2897.6	2694.5	2643.7	2232.5	1684.3	1410.3	1264.5	972.8	754.1
122.5°	2751.0	2951.4	2751.0	2550.6	2500.5	2130.3	1636.6	1389.8	1257.7	993.3	795.0
125°	2541.8	2726.4	2541.8	2357.3	2311.1	1996.6	1577.3	1367.6	1252.0	1020.8	847.5
127.5°	2353.8	2509.4	2353.8	2198.0	2159.1	1889.1	1529.0	1349.0	1248.8	1048.5	898.2
130°	2242.8	2386.8	2242.8	2098.9	2063.0	1822.6	1502.1	1341.8	1250.7	1068.5	931.9
132.5°	2142.3	2271.1	2142.3	2013.5	1981.2	1766.0	1479.0	1335.6	1252.0	1084.8	959.4
135°	2004.5	2115.5	2004.5	1893.4	1865.6	1685.4	1445.1	1325.0	1250.9	1102.7	991.5
137.5°	1893.8	1984.8	1893.8	1803.0	1780.2	1627.9	1424.7	1323.2	1258.5	1129.4	1032.4
140°	1818.0	1902.9	1818.0	1733.0	1711.8	1580.2	1404.7	1317.0	1259.9	1145.6	1059.9
142.5°	1755.2	1828.2	1755.2	1682.0	1663.8	1548.2	1394.0	1317.0	1264.4	1159.3	1080.4
145°	1660.9	1716.2	1660.9	1605.6	1591.8	1497.2	1371.1	1308.1	1264.4	1177.1	1111.6
147.5°	1588.5	1634.4	1588.5	1542.7	1531.2	1456.9	1357.7	1308.1	1273.1	1203.2	1150.7
150°	1543.0	1580.2	1543.0	1505.8	1496.5	1433.7	1350.0	1308.1	1277.7	1216.8	1171.1
152.5°	1504.1	1532.1	1504.1	1476.0	1469.0	1415.4	1343.8	1308.1	1280.6	1225.6	1184.4
155°	1459.3	1477.9	1459.3	1440.8	1436.1	1393.5	1336.6	1308.1	1287.1	1245.3	1213.8
157.5°	1424.0	1437.0	1424.0	1410.9	1407.6	1374.4	1330.2	1308.1	1293.6	1264.8	1243.1
160°	1402.8	1410.3	1402.8	1395.4	1393.5	1365.0	1327.0	1308.1	1296.6	1273.7	1256.5
162.5°	1389.0	1396.1	1389.0	1381.9	1380.1	1356.1	1324.0	1308.1	1299.8	1283.1	1270.7
165°	1369.0	1376.5	1369.0	1361.5	1359.6	1342.4	1319.5	1308.1	1304.3	1296.8	1291.1
167.5°	1354.7	1357.9	1354.7	1351.5	1350.7	1339.4	1324.4	1317.0	1313.8	1307.5	1302.7
170°	1350.7	1350.7	1350.7	1350.7	1350.7	1339.4	1324.4	1317.0	1316.8	1316.4	1316.1
172.5°	1340.2	1337.4	1340.2	1343.0	1343.6	1334.7	1322.9	1317.0	1317.0	1317.0	1317.0
175°	1333.9	1333.9	1333.9	1333.9	1333.9	1328.2	1320.7	1317.0	1318.8	1322.3	1325.0
177.5°	1328.2	1325.0	1328.2	1331.3	1332.1	1327.7	1321.7	1318.8	1320.1	1322.9	1325.0
180°	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0



TEST NUMBER: P934830

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	4063.0	4040.2	4040.2	4002.3	3987.1	3975.8	3956.8	3900.0	3884.8	3869.6	3892.4
5°	4097.1	4055.4	4025.1	3956.8	3900.0	3877.3	3805.3	3668.8	3577.8	3509.6	3471.7
7.5°	4104.6	4051.6	3994.7	3888.6	3752.2	3691.6	3471.7	3221.6	3153.3	3092.7	3054.7
10°	4097.1	4036.5	3956.8	3797.6	3475.5	3369.3	3149.5	2986.6	2944.9	2933.5	2944.9
12.5°	4070.5	4013.7	3903.8	3638.5	3187.5	3115.5	2986.6	2891.8	2884.3	2903.2	3005.5
15°	4025.1	3972.0	3843.1	3426.2	3028.3	2975.2	2884.3	2850.1	2891.8	3024.4	3331.5
17.5°	3979.6	3919.0	3759.8	3217.8	2907.0	2869.1	2804.6	2872.9	3107.8	3286.0	3388.4
20°	3919.0	3847.0	3665.0	3066.1	2819.8	2785.7	2755.4	3062.4	3240.5	3305.0	3361.8
22.5°	3847.0	3771.1	3536.1	2960.1	2728.9	2702.3	2721.2	3168.5	3240.5	3286.0	3335.3
25°	3752.2	3687.7	3384.5	2876.7	2656.9	2626.6	2698.6	3157.2	3198.8	3210.2	3308.7
27.5°	3665.0	3581.6	3225.3	2800.9	2569.7	2558.3	2717.5	3107.8	3138.2	3149.5	3255.6
30°	3558.9	3433.8	3047.2	2721.2	2478.7	2474.9	2721.2	3047.2	3039.6	3070.0	3176.1
32.5°	3449.0	3214.0	2846.3	2622.7	2391.5	2387.7	2694.7	2956.3	2948.7	2990.4	3070.0
35°	3346.7	3043.5	2573.5	2509.1	2281.7	2285.4	2630.3	2850.1	2853.9	2891.8	2941.1
37.5°	3240.5	2895.6	2274.0	2384.0	2175.5	2175.5	2543.1	2751.6	2744.0	2755.4	2823.6
40°	3115.5	2664.4	2008.8	2220.9	2076.9	2065.6	2437.0	2645.5	2618.9	2615.2	2709.9
42.5°	2982.7	2410.5	1811.7	2004.9	1963.3	1948.1	2308.2	2516.6	2467.4	2478.7	2600.0
45°	2838.7	2342.3	1660.0	1694.2	1845.7	1834.4	2167.9	2368.8	2334.6	2365.0	2490.1
47.5°	2694.7	2205.8	1610.8	1406.1	1720.7	1716.9	2012.5	2224.8	2205.8	2236.2	2368.8
50°	2497.7	2054.2	1607.0	1205.3	1580.5	1595.6	1826.8	2084.5	2084.5	2111.1	2251.3
52.5°	2243.7	1868.5	1459.2	1091.5	1417.5	1463.0	1663.9	1963.3	1970.8	1997.4	2122.5
55°	2012.5	1675.3	1353.0	1004.4	1224.2	1322.7	1504.7	1838.2	1853.4	1879.9	1993.6
57.5°	1800.3	1394.7	1330.4	902.1	1046.1	1140.8	1364.4	1716.9	1724.5	1747.3	1857.1
60°	1572.8	1008.1	1220.4	792.1	890.7	962.7	1235.6	1572.8	1599.4	1614.5	1709.3
62.5°	1315.1	731.5	1106.7	716.3	814.9	830.1	1129.5	1436.4	1470.5	1481.9	1538.8
65°	936.1	614.0	939.9	651.9	735.3	739.0	1015.8	1296.2	1326.5	1345.5	1387.1
67.5°	632.9	500.3	716.3	591.2	674.6	678.4	905.8	1133.2	1174.9	1190.1	1216.7
70°	439.7	333.5	530.6	526.9	606.4	614.0	788.4	985.5	1023.3	1034.7	1049.8
72.5°	322.1	269.1	439.7	473.8	534.4	542.0	667.0	818.7	856.6	867.9	875.5
75°	246.3	284.3	356.3	413.1	454.8	458.6	545.8	667.0	693.6	701.2	704.9
77.5°	197.1	265.3	261.5	333.5	371.4	363.8	428.3	515.5	538.1	538.1	538.1
80°	147.8	208.5	197.1	238.8	272.9	265.3	307.0	367.7	375.2	382.8	379.0
82.5°	109.9	132.6	132.6	151.6	182.0	174.3	204.6	238.8	238.8	238.8	246.3
85°	68.2	75.8	60.6	79.6	102.3	98.6	113.7	128.9	132.6	132.6	125.1
87.5°	41.7	34.1	18.9	30.3	45.5	45.5	53.1	56.9	53.1	53.1	53.1
90°	23.0	16.0	8.9	16.0	23.0	24.9	39.1	58.1	67.6	60.0	45.0
92.5°	156.5	96.0	35.6	96.0	156.5	171.6	241.2	334.1	380.6	333.5	239.5
95°	306.7	196.0	85.4	196.0	306.7	334.4	593.7	939.6	1112.4	992.7	753.2
97.5°	342.9	245.3	147.6	245.3	342.9	367.3	799.8	1376.3	1664.6	1588.9	1437.5
100°	372.7	284.2	195.6	284.2	372.7	394.8	874.7	1514.5	1834.5	1840.0	1851.1
102.5°	401.7	319.2	236.6	319.2	401.7	422.4	909.1	1558.0	1882.6	1978.9	2171.8
105°	445.8	375.9	305.9	375.9	445.8	463.3	934.6	1563.0	1877.2	2093.4	2525.8
107.5°	507.5	442.2	377.0	442.2	507.5	523.8	939.4	1493.5	1770.5	2072.1	2675.1
110°	542.8	483.9	425.0	483.9	542.8	557.6	932.2	1431.8	1681.6	2018.7	2692.9



TEST NUMBER: P934830

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	584.4	528.3	472.2	528.3	584.4	598.5	932.6	1378.0	1600.7	1945.7	2635.7
115°	646.9	595.0	543.3	595.0	646.9	659.8	941.1	1316.2	1503.7	1836.1	2500.8
117.5°	707.6	660.6	613.6	660.6	707.6	719.3	958.6	1277.5	1437.0	1736.9	2336.8
120°	743.0	698.8	654.5	698.8	743.0	754.1	972.8	1264.5	1410.3	1684.3	2232.5
122.5°	783.8	739.1	694.5	739.1	783.8	795.0	993.3	1257.7	1389.8	1636.6	2130.3
125°	837.3	796.6	755.9	796.6	837.3	847.5	1020.8	1252.0	1367.6	1577.3	1996.6
127.5°	887.9	846.8	805.7	846.8	887.9	898.2	1048.5	1248.8	1349.0	1529.0	1889.1
130°	920.8	876.6	832.4	876.6	920.8	931.9	1068.5	1250.7	1341.8	1502.1	1822.6
132.5°	948.4	904.2	859.9	904.2	948.4	959.4	1084.8	1252.0	1335.6	1479.0	1766.0
135°	981.4	941.1	900.8	941.1	981.4	991.5	1102.7	1250.9	1325.0	1445.1	1685.4
137.5°	1022.5	982.5	942.6	982.5	1022.5	1032.4	1129.4	1258.5	1323.2	1424.7	1627.9
140°	1050.8	1013.9	977.2	1013.9	1050.8	1059.9	1145.6	1259.9	1317.0	1404.7	1580.2
142.5°	1071.9	1037.9	1003.9	1037.9	1071.9	1080.4	1159.3	1264.4	1317.0	1394.0	1548.2
145°	1104.1	1074.5	1044.8	1074.5	1104.1	1111.6	1177.1	1264.4	1308.1	1371.1	1497.2
147.5°	1143.5	1114.6	1085.8	1114.6	1143.5	1150.7	1203.2	1273.1	1308.1	1357.7	1456.9
150°	1164.6	1138.5	1112.4	1138.5	1164.6	1171.1	1216.8	1277.7	1308.1	1350.0	1433.7
152.5°	1179.5	1159.8	1140.0	1159.8	1179.5	1184.4	1225.6	1280.6	1308.1	1343.8	1415.4
155°	1210.2	1195.5	1180.9	1195.5	1210.2	1213.8	1245.3	1287.1	1308.1	1336.6	1393.5
157.5°	1239.6	1225.4	1211.1	1225.4	1239.6	1243.1	1264.8	1293.6	1308.1	1330.2	1374.4
160°	1253.8	1242.7	1231.6	1242.7	1253.8	1256.5	1273.7	1296.6	1308.1	1327.0	1365.0
162.5°	1268.6	1260.4	1252.0	1260.4	1268.6	1270.7	1283.1	1299.8	1308.1	1324.0	1356.1
165°	1289.2	1281.8	1274.3	1281.8	1289.2	1291.1	1296.8	1304.3	1308.1	1319.5	1342.4
167.5°	1301.9	1298.2	1294.7	1298.2	1301.9	1302.7	1307.5	1313.8	1317.0	1324.4	1339.4
170°	1315.2	1311.6	1308.1	1311.6	1315.2	1316.1	1316.4	1316.8	1317.0	1324.4	1339.4
172.5°	1316.8	1315.9	1315.1	1315.9	1316.8	1317.0	1317.0	1317.0	1317.0	1322.9	1334.7
175°	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1322.3	1318.8	1317.0	1320.7	1328.2
177.5°	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1322.9	1320.1	1318.8	1321.7	1327.7
180°	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0



TEST NUMBER: P934830
 CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	3865.9	3854.5	3869.6	3827.9	3869.6	3854.5	3865.9	3892.4	3869.6	3884.8	3900.0
5°	3392.1	3373.2	3312.5	3263.3	3312.5	3373.2	3392.1	3471.7	3509.6	3577.8	3668.8
7.5°	3032.1	3016.9	3001.8	2971.4	3001.8	3016.9	3032.1	3054.7	3092.7	3153.3	3221.6
10°	2952.4	2956.3	2979.0	2975.2	2979.0	2956.3	2952.4	2944.9	2933.5	2944.9	2986.6
12.5°	3157.2	3191.2	3316.3	3308.7	3316.3	3191.2	3157.2	3005.5	2903.2	2884.3	2891.8
15°	3392.1	3403.5	3430.1	3433.8	3430.1	3403.5	3392.1	3331.5	3024.4	2891.8	2850.1
17.5°	3414.9	3418.7	3437.6	3437.6	3437.6	3418.7	3414.9	3388.4	3286.0	3107.8	2872.9
20°	3395.9	3403.5	3441.3	3449.0	3441.3	3403.5	3395.9	3361.8	3305.0	3240.5	3062.4
22.5°	3388.4	3403.5	3433.8	3430.1	3433.8	3403.5	3388.4	3335.3	3286.0	3240.5	3168.5
25°	3350.4	3350.4	3354.2	3358.0	3354.2	3350.4	3350.4	3308.7	3210.2	3198.8	3157.2
27.5°	3270.8	3278.4	3301.2	3297.3	3301.2	3278.4	3270.8	3255.6	3149.5	3138.2	3107.8
30°	3198.8	3191.2	3172.3	3157.2	3172.3	3191.2	3198.8	3176.1	3070.0	3039.6	3047.2
32.5°	3077.5	3058.6	3039.6	3028.3	3039.6	3058.6	3077.5	3070.0	2990.4	2948.7	2956.3
35°	2933.5	2937.3	2933.5	2922.1	2933.5	2937.3	2933.5	2941.1	2891.8	2853.9	2850.1
37.5°	2831.2	2838.7	2835.0	2819.8	2835.0	2838.7	2831.2	2823.6	2755.4	2744.0	2751.6
40°	2725.1	2728.9	2725.1	2713.7	2725.1	2728.9	2725.1	2709.9	2615.2	2618.9	2645.5
42.5°	2622.7	2618.9	2607.5	2600.0	2607.5	2618.9	2622.7	2600.0	2478.7	2467.4	2516.6
45°	2505.2	2509.1	2486.3	2474.9	2486.3	2509.1	2505.2	2490.1	2365.0	2334.6	2368.8
47.5°	2387.7	2387.7	2368.8	2357.4	2368.8	2387.7	2387.7	2368.8	2236.2	2205.8	2224.8
50°	2262.6	2258.9	2232.3	2228.6	2232.3	2258.9	2262.6	2251.3	2111.1	2084.5	2084.5
52.5°	2118.6	2118.6	2122.5	2130.0	2122.5	2118.6	2118.6	2122.5	1997.4	1970.8	1963.3
55°	1993.6	1997.4	2023.9	2031.4	2023.9	1997.4	1993.6	1993.6	1879.9	1853.4	1838.2
57.5°	1864.7	1864.7	1883.7	1883.7	1883.7	1864.7	1864.7	1857.1	1747.3	1724.5	1716.9
60°	1716.9	1724.5	1739.6	1735.9	1739.6	1724.5	1716.9	1709.3	1614.5	1599.4	1572.8
62.5°	1561.5	1569.1	1572.8	1565.3	1572.8	1569.1	1561.5	1538.8	1481.9	1470.5	1436.4
65°	1398.5	1406.1	1409.9	1402.4	1409.9	1406.1	1398.5	1387.1	1345.5	1326.5	1296.2
67.5°	1231.8	1227.9	1224.2	1239.3	1224.2	1227.9	1231.8	1216.7	1190.1	1174.9	1133.2
70°	1061.2	1061.2	1057.5	1065.0	1057.5	1061.2	1061.2	1049.8	1034.7	1023.3	985.5
72.5°	879.3	875.5	890.7	879.3	890.7	875.5	879.3	875.5	867.9	856.6	818.7
75°	701.2	708.7	701.2	712.6	701.2	708.7	701.2	704.9	701.2	693.6	667.0
77.5°	534.4	542.0	534.4	534.4	534.4	542.0	534.4	538.1	538.1	538.1	515.5
80°	379.0	375.2	375.2	371.4	375.2	375.2	379.0	379.0	382.8	375.2	367.7
82.5°	242.6	238.8	238.8	246.3	238.8	238.8	242.6	246.3	238.8	238.8	238.8
85°	132.6	136.4	128.9	128.9	128.9	136.4	132.6	125.1	132.6	132.6	128.9
87.5°	49.2	45.5	45.5	45.5	45.5	45.5	49.2	53.1	53.1	53.1	56.9
90°	33.8	33.8	33.8	33.8	33.8	33.8	33.8	45.0	60.0	67.6	58.1
92.5°	169.0	162.3	135.4	108.5	135.4	162.3	169.0	239.5	333.5	380.6	334.1
95°	573.5	553.2	471.8	390.4	471.8	553.2	573.5	753.2	992.7	1112.4	939.6
97.5°	1324.0	1285.3	1130.4	975.5	1130.4	1285.3	1324.0	1437.5	1588.9	1664.6	1376.3
100°	1859.4	1813.2	1628.7	1444.1	1628.7	1813.2	1859.4	1851.1	1840.0	1834.5	1514.5
102.5°	2316.5	2277.0	2118.8	1960.8	2118.8	2277.0	2316.5	2171.8	1978.9	1882.6	1558.0
105°	2850.0	2828.8	2743.8	2658.8	2743.8	2828.8	2850.0	2525.8	2093.4	1877.2	1563.0
107.5°	3127.4	3132.6	3153.1	3173.7	3153.1	3132.6	3127.4	2675.1	2072.1	1770.5	1493.5
110°	3198.6	3220.6	3309.2	3397.7	3309.2	3220.6	3198.6	2692.9	2018.7	1681.6	1431.8



TEST NUMBER: P934830

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3153.2	3187.2	3323.2	3459.1	3323.2	3187.2	3153.2	2635.7	1945.7	1600.7	1378.0
115°	2999.4	3046.5	3235.0	3423.6	3235.0	3046.5	2999.4	2500.8	1836.1	1503.7	1316.2
117.5°	2786.8	2839.1	3048.2	3257.3	3048.2	2839.1	2786.8	2336.8	1736.9	1437.0	1277.5
120°	2643.7	2694.5	2897.6	3100.7	2897.6	2694.5	2643.7	2232.5	1684.3	1410.3	1264.5
122.5°	2500.5	2550.6	2751.0	2951.4	2751.0	2550.6	2500.5	2130.3	1636.6	1389.8	1257.7
125°	2311.1	2357.3	2541.8	2726.4	2541.8	2357.3	2311.1	1996.6	1577.3	1367.6	1252.0
127.5°	2159.1	2198.0	2353.8	2509.4	2353.8	2198.0	2159.1	1889.1	1529.0	1349.0	1248.8
130°	2063.0	2098.9	2242.8	2386.8	2242.8	2098.9	2063.0	1822.6	1502.1	1341.8	1250.7
132.5°	1981.2	2013.5	2142.3	2271.1	2142.3	2013.5	1981.2	1766.0	1479.0	1335.6	1252.0
135°	1865.6	1893.4	2004.5	2115.5	2004.5	1893.4	1865.6	1685.4	1445.1	1325.0	1250.9
137.5°	1780.2	1803.0	1893.8	1984.8	1893.8	1803.0	1780.2	1627.9	1424.7	1323.2	1258.5
140°	1711.8	1733.0	1818.0	1902.9	1818.0	1733.0	1711.8	1580.2	1404.7	1317.0	1259.9
142.5°	1663.8	1682.0	1755.2	1828.2	1755.2	1682.0	1663.8	1548.2	1394.0	1317.0	1264.4
145°	1591.8	1605.6	1660.9	1716.2	1660.9	1605.6	1591.8	1497.2	1371.1	1308.1	1264.4
147.5°	1531.2	1542.7	1588.5	1634.4	1588.5	1542.7	1531.2	1456.9	1357.7	1308.1	1273.1
150°	1496.5	1505.8	1543.0	1580.2	1543.0	1505.8	1496.5	1433.7	1350.0	1308.1	1277.7
152.5°	1469.0	1476.0	1504.1	1532.1	1504.1	1476.0	1469.0	1415.4	1343.8	1308.1	1280.6
155°	1436.1	1440.8	1459.3	1477.9	1459.3	1440.8	1436.1	1393.5	1336.6	1308.1	1287.1
157.5°	1407.6	1410.9	1424.0	1437.0	1424.0	1410.9	1407.6	1374.4	1330.2	1308.1	1293.6
160°	1393.5	1395.4	1402.8	1410.3	1402.8	1395.4	1393.5	1365.0	1327.0	1308.1	1296.6
162.5°	1380.1	1381.9	1389.0	1396.1	1389.0	1381.9	1380.1	1356.1	1324.0	1308.1	1299.8
165°	1359.6	1361.5	1369.0	1376.5	1369.0	1361.5	1359.6	1342.4	1319.5	1308.1	1304.3
167.5°	1350.7	1351.5	1354.7	1357.9	1354.7	1351.5	1350.7	1339.4	1324.4	1317.0	1313.8
170°	1350.7	1350.7	1350.7	1350.7	1350.7	1350.7	1350.7	1339.4	1324.4	1317.0	1316.8
172.5°	1343.6	1343.0	1340.2	1337.4	1340.2	1343.0	1343.6	1334.7	1322.9	1317.0	1317.0
175°	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1328.2	1320.7	1317.0	1318.8
177.5°	1332.1	1331.3	1328.2	1325.0	1328.2	1331.3	1332.1	1327.7	1321.7	1318.8	1320.1
180°	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0



TEST NUMBER: P934830

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	3956.8	3975.8	3987.1	4002.3	4040.2
5°	3805.3	3877.3	3900.0	3956.8	4025.1
7.5°	3471.7	3691.6	3752.2	3888.6	3994.7
10°	3149.5	3369.3	3475.5	3797.6	3956.8
12.5°	2986.6	3115.5	3187.5	3638.5	3903.8
15°	2884.3	2975.2	3028.3	3426.2	3843.1
17.5°	2804.6	2869.1	2907.0	3217.8	3759.8
20°	2755.4	2785.7	2819.8	3066.1	3665.0
22.5°	2721.2	2702.3	2728.9	2960.1	3536.1
25°	2698.6	2626.6	2656.9	2876.7	3384.5
27.5°	2717.5	2558.3	2569.7	2800.9	3225.3
30°	2721.2	2474.9	2478.7	2721.2	3047.2
32.5°	2694.7	2387.7	2391.5	2622.7	2846.3
35°	2630.3	2285.4	2281.7	2509.1	2573.5
37.5°	2543.1	2175.5	2175.5	2384.0	2274.0
40°	2437.0	2065.6	2076.9	2220.9	2008.8
42.5°	2308.2	1948.1	1963.3	2004.9	1811.7
45°	2167.9	1834.4	1845.7	1694.2	1660.0
47.5°	2012.5	1716.9	1720.7	1406.1	1610.8
50°	1826.8	1595.6	1580.5	1205.3	1607.0
52.5°	1663.9	1463.0	1417.5	1091.5	1459.2
55°	1504.7	1322.7	1224.2	1004.4	1353.0
57.5°	1364.4	1140.8	1046.1	902.1	1330.4
60°	1235.6	962.7	890.7	792.1	1220.4
62.5°	1129.5	830.1	814.9	716.3	1106.7
65°	1015.8	739.0	735.3	651.9	939.9
67.5°	905.8	678.4	674.6	591.2	716.3
70°	788.4	614.0	606.4	526.9	530.6
72.5°	667.0	542.0	534.4	473.8	439.7
75°	545.8	458.6	454.8	413.1	356.3
77.5°	428.3	363.8	371.4	333.5	261.5
80°	307.0	265.3	272.9	238.8	197.1
82.5°	204.6	174.3	182.0	151.6	132.6
85°	113.7	98.6	102.3	79.6	60.6
87.5°	53.1	45.5	45.5	30.3	18.9
90°	39.1	24.9	23.0	16.0	8.9
92.5°	241.2	171.6	156.5	96.0	35.6
95°	593.7	334.4	306.7	196.0	85.4
97.5°	799.8	367.3	342.9	245.3	147.6
100°	874.7	394.8	372.7	284.2	195.6
102.5°	909.1	422.4	401.7	319.2	236.6
105°	934.6	463.3	445.8	375.9	305.9
107.5°	939.4	523.8	507.5	442.2	377.0
110°	932.2	557.6	542.8	483.9	425.0



TEST NUMBER: P934830

CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	932.6	598.5	584.4	528.3	472.2
115°	941.1	659.8	646.9	595.0	543.3
117.5°	958.6	719.3	707.6	660.6	613.6
120°	972.8	754.1	743.0	698.8	654.5
122.5°	993.3	795.0	783.8	739.1	694.5
125°	1020.8	847.5	837.3	796.6	755.9
127.5°	1048.5	898.2	887.9	846.8	805.7
130°	1068.5	931.9	920.8	876.6	832.4
132.5°	1084.8	959.4	948.4	904.2	859.9
135°	1102.7	991.5	981.4	941.1	900.8
137.5°	1129.4	1032.4	1022.5	982.5	942.6
140°	1145.6	1059.9	1050.8	1013.9	977.2
142.5°	1159.3	1080.4	1071.9	1037.9	1003.9
145°	1177.1	1111.6	1104.1	1074.5	1044.8
147.5°	1203.2	1150.7	1143.5	1114.6	1085.8
150°	1216.8	1171.1	1164.6	1138.5	1112.4
152.5°	1225.6	1184.4	1179.5	1159.8	1140.0
155°	1245.3	1213.8	1210.2	1195.5	1180.9
157.5°	1264.8	1243.1	1239.6	1225.4	1211.1
160°	1273.7	1256.5	1253.8	1242.7	1231.6
162.5°	1283.1	1270.7	1268.6	1260.4	1252.0
165°	1296.8	1291.1	1289.2	1281.8	1274.3
167.5°	1307.5	1302.7	1301.9	1298.2	1294.7
170°	1316.4	1316.1	1315.2	1311.6	1308.1
172.5°	1317.0	1317.0	1316.8	1315.9	1315.1
175°	1322.3	1325.0	1325.0	1325.0	1325.0
177.5°	1322.9	1325.0	1325.0	1325.0	1325.0
180°	1325.0	1325.0	1325.0	1325.0	1325.0



TEST NUMBER: P934830
 CATALOG NUMBER: SQ4-FA-075U-100D-92765-1D-UNV-STD-W-12-6500K

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	13.99	14.89	14.90	15.82	17.03	16.84	17.74	17.75	18.68	19.88
	3H	14.47	15.28	15.39	16.22	17.45	18.19	19.00	19.12	19.95	21.17
	4H	14.66	15.43	15.60	16.37	17.61	18.64	19.41	19.58	20.36	21.59
	6H	14.78	15.49	15.73	16.44	17.69	18.94	19.64	19.89	20.60	21.84
	8H	14.78	15.46	15.74	16.43	17.67	19.01	19.69	19.97	20.66	21.90
	12H	14.75	15.40	15.72	16.36	17.63	19.06	19.70	20.02	20.66	21.93
4H	2H	15.03	15.80	15.98	16.74	17.98	17.25	18.02	18.20	18.97	20.20
	3H	16.06	16.70	17.02	17.68	18.93	18.77	19.41	19.72	20.38	21.63
	4H	16.34	16.92	17.30	17.89	19.17	19.30	19.88	20.27	20.86	22.13
	6H	16.46	16.97	17.44	17.96	19.24	19.67	20.18	20.65	21.17	22.45
	8H	16.47	16.94	17.45	17.93	19.22	19.78	20.25	20.77	21.24	22.53
	12H	16.44	16.86	17.44	17.87	19.16	19.85	20.27	20.85	21.28	22.57
8H	4H	16.80	17.27	17.78	18.26	19.54	19.43	19.90	20.41	20.89	22.17
	6H	17.06	17.45	18.07	18.48	19.77	19.87	20.26	20.88	21.29	22.58
	8H	17.10	17.45	18.12	18.47	19.77	20.03	20.37	21.04	21.39	22.69
	12H	17.09	17.39	18.11	18.40	19.75	20.13	20.43	21.15	21.45	22.80
12H	4H	16.81	17.23	17.81	18.24	19.53	19.39	19.82	20.40	20.82	22.12
	6H	17.12	17.47	18.14	18.49	19.79	19.87	20.21	20.88	21.23	22.53
	8H	17.19	17.49	18.21	18.51	19.86	20.04	20.34	21.06	21.35	22.70