

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: P934692

Luminaire Tested: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-8-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934692
REPORT IS A COMBINATION OF REPORTS P933708 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-8-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

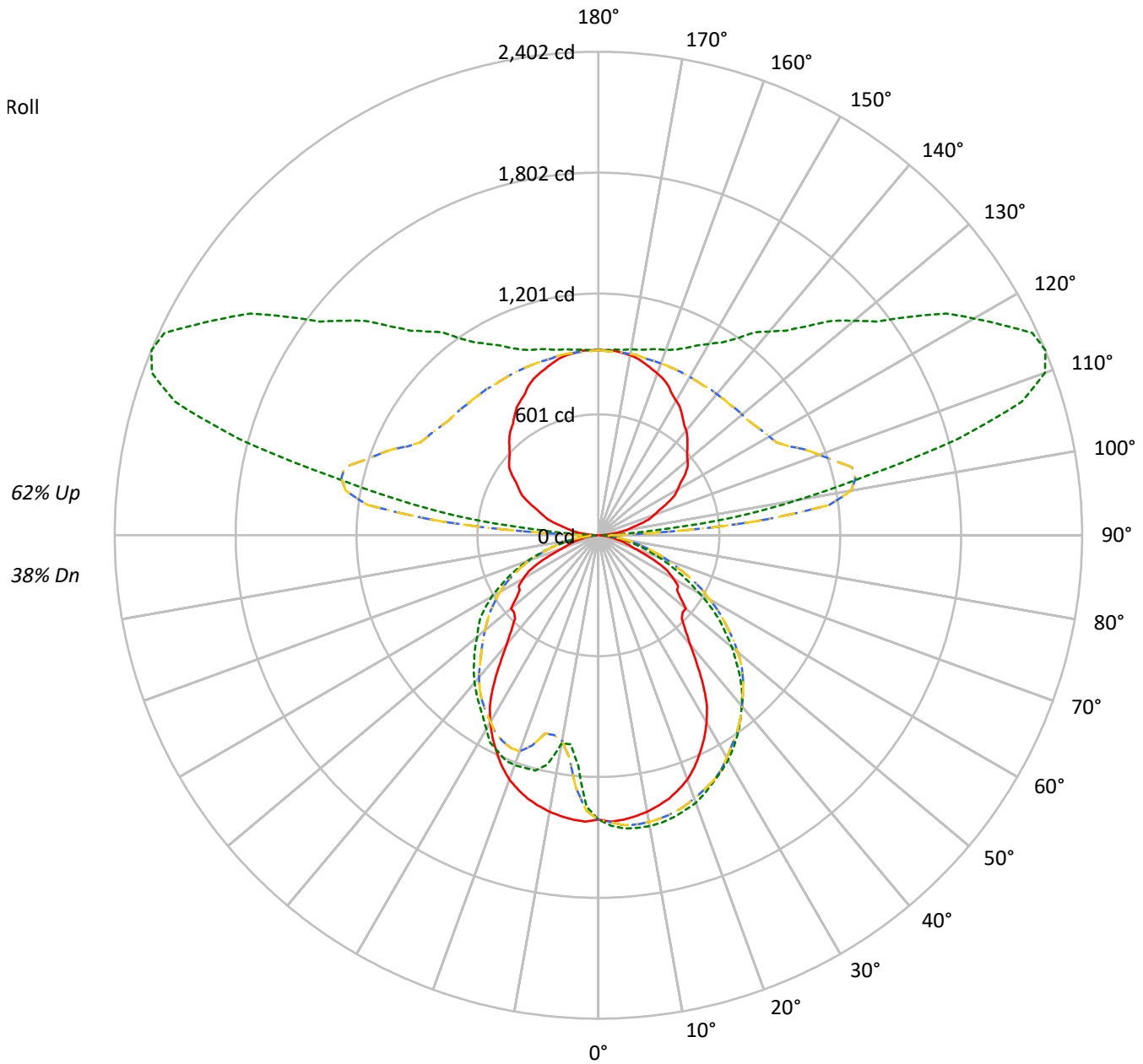
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9629.3 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 68.8
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



— 0°-180° - - - 45°-225° ···· 90°-270° - · - · 135°-315°



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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	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	95	91	87	84	86	83	79	77	67	65	63	53	52	50	40	39	38	32
2	87	79	73	68	78	72	67	63	59	55	52	47	44	42	35	34	32	27
3	79	70	63	57	71	64	57	52	52	47	44	41	38	35	31	29	27	23
4	72	62	54	48	65	56	50	44	46	41	37	37	33	30	28	25	24	20
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17
6	61	49	41	35	55	45	38	33	37	32	28	30	26	23	23	20	18	15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	21	18	16	13
8	52	40	32	27	47	37	30	25	30	25	22	24	21	18	19	16	14	12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	11
10	45	33	26	22	41	31	24	20	26	21	17	21	17	14	16	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6552	6552	6552	6552
5°	6601	6613	6601	5200
10°	6556	6515	6556	4657
15°	6485	6373	6485	5322
20°	6349	6206	6349	5333
25°	6072	5962	6072	5220
30°	5713	5760	5713	4972
35°	5093	5504	5093	4699
40°	4244	5202	4244	4494
45°	3792	4849	3792	4256
50°	4028	4429	4028	4018
55°	3790	3975	3790	3881
60°	3907	3376	3907	3554
65°	3542	2791	3542	3120
70°	2452	2224	2452	2615
75°	2151	1645	2151	1969
80°	1732	1087	1732	1183
85°	997	576	997	489

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5812 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.5	1.3
10°-20°	361.9	3.8
20°-30°	559.4	5.8
30°-40°	667.9	6.9
40°-50°	671.8	7.0
50°-60°	584.5	6.1
60°-70°	414.4	4.3
70°-80°	219.3	2.3
80°-90°	58.1	0.6
90°-100°	448.5	4.7
100°-110°	1179.1	12.2
110°-120°	1222.6	12.7
120°-130°	980.7	10.2
130°-140°	769.5	8.0
140°-150°	590.6	6.1
150°-160°	425.3	4.4
160°-170°	260.3	2.7
170°-180°	87.9	0.9
0°-30°	1048.8	10.9
0°-40°	1716.7	17.8
0°-60°	2973.0	30.9
0°-90°	3664.8	38.1
90°-120°	2850.2	29.6
90°-150°	5191.0	53.9
90°-180°	5965.0	61.9
0°-180°	9629.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1412	1412	1412	1412	1412	
5°	1419	1463	1419	1150	1419	135
15°	1355	1450	1355	1210	1355	381
25°	1193	1352	1193	1184	1193	548
35°	907	1206	907	1030	907	561
45°	585	994	585	872	585	469
55°	477	734	477	716	477	438
65°	331	442	331	494	331	317
75°	126	210	126	251	126	132
85°	21	54	21	45	21	29
90°	6	24	6	24	6	6
95°	59	271	59	271	59	66
105°	212	1846	212	1846	212	225
115°	377	2377	377	2377	377	373
125°	525	1893	525	1893	525	466
135°	626	1469	626	1469	626	484
145°	726	1192	726	1192	726	455
155°	820	1026	820	1026	820	377
165°	885	956	885	956	885	250
175°	920	926	920	926	920	87
180°	920	920	920	920	920	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1
2.5°	1424.1	1424.1	1432.1	1434.8	1434.8	1430.8	1426.8	1430.8	1442.8	1446.8	1445.5
5°	1418.8	1429.5	1444.2	1446.8	1449.5	1448.2	1445.5	1448.2	1461.5	1464.2	1465.5
7.5°	1408.0	1428.2	1446.8	1450.9	1454.9	1450.9	1449.5	1452.2	1465.5	1468.2	1468.2
10°	1394.7	1422.8	1444.2	1446.8	1450.9	1446.8	1446.8	1452.2	1465.5	1468.2	1469.5
12.5°	1376.0	1414.7	1434.8	1437.4	1442.8	1441.5	1440.1	1445.5	1458.8	1461.5	1461.5
15°	1354.7	1400.1	1418.8	1421.4	1430.8	1428.2	1428.2	1433.4	1448.2	1452.2	1450.9
17.5°	1325.3	1381.4	1402.8	1406.8	1413.4	1412.1	1413.4	1418.8	1432.1	1434.8	1436.1
20°	1291.8	1356.0	1381.4	1385.3	1392.0	1392.0	1392.0	1398.7	1412.1	1417.4	1417.4
22.5°	1246.4	1329.3	1356.0	1358.6	1366.7	1366.7	1369.3	1378.7	1390.7	1392.0	1392.0
25°	1193.0	1299.9	1322.6	1330.6	1338.6	1342.6	1346.6	1352.0	1356.0	1354.7	1356.0
27.5°	1136.9	1262.4	1291.8	1297.2	1307.8	1311.9	1317.2	1318.6	1319.9	1323.9	1321.3
30°	1074.1	1210.3	1254.5	1259.8	1277.2	1279.9	1274.5	1277.2	1283.8	1286.5	1289.2
32.5°	1003.3	1132.9	1215.7	1227.8	1243.8	1235.7	1234.4	1238.4	1249.1	1249.1	1251.8
35°	907.1	1072.8	1179.7	1190.3	1202.4	1193.0	1198.4	1199.7	1206.4	1210.3	1209.0
37.5°	801.6	1020.7	1142.2	1150.3	1159.6	1147.6	1155.6	1159.6	1164.9	1162.2	1162.2
40°	708.1	939.1	1098.2	1103.5	1111.5	1102.2	1110.1	1112.8	1115.5	1112.8	1111.5
42.5°	638.5	849.7	1051.4	1058.1	1052.7	1059.4	1062.0	1067.4	1063.4	1058.1	1058.1
45°	585.2	825.6	1000.6	1008.6	1000.6	1011.3	1015.3	1015.3	1003.3	1000.6	999.3
47.5°	567.8	777.5	949.9	949.9	945.8	959.2	965.9	956.6	944.5	940.5	940.5
50°	566.4	724.1	880.4	875.1	893.7	909.7	903.1	893.7	884.3	869.7	869.7
52.5°	514.3	658.7	790.9	810.9	840.3	849.7	838.9	829.7	813.6	806.9	801.6
55°	476.9	590.5	709.4	749.5	780.2	792.2	772.2	762.8	738.7	734.7	732.1
57.5°	468.9	491.6	634.6	685.3	722.7	721.4	709.4	692.0	672.0	668.0	666.6
60°	430.2	355.4	554.4	614.5	653.3	649.3	638.5	622.5	603.9	601.2	598.5
62.5°	390.1	257.9	463.5	531.7	586.4	585.2	575.8	551.8	538.3	531.7	526.4
65°	331.3	216.4	330.0	442.2	521.0	523.7	503.7	486.2	471.6	463.5	462.2
67.5°	252.5	176.4	223.1	368.7	458.3	455.6	430.2	422.2	403.5	399.5	391.4
70°	187.0	117.5	155.0	299.3	396.8	390.1	370.0	360.8	343.3	334.0	328.7
72.5°	155.0	94.8	113.5	232.5	334.0	326.0	308.6	297.9	283.3	275.2	269.8
75°	125.6	100.2	86.9	172.3	271.2	265.8	249.8	239.1	227.1	216.4	217.7
77.5°	92.2	93.5	69.4	126.9	215.1	207.1	197.7	184.4	179.0	168.3	168.3
80°	69.4	73.5	52.1	86.9	155.0	155.0	146.9	137.6	128.3	122.9	122.9
82.5°	46.7	46.7	38.7	54.8	105.6	101.5	96.2	93.5	88.1	85.5	85.5
85°	21.4	26.7	24.0	33.4	57.5	60.2	60.2	57.5	56.1	53.5	54.8
87.5°	6.7	12.1	14.7	18.7	29.4	30.8	32.1	32.1	32.1	33.4	33.4
90°	6.2	11.2	16.1	17.3	27.2	40.3	46.9	41.7	31.3	23.5	23.5
92.5°	24.7	66.7	108.8	119.2	167.6	232.1	264.3	231.7	166.3	117.3	112.6
95°	59.3	136.2	212.9	232.2	412.2	652.4	772.5	689.3	523.0	398.3	384.2
97.5°	102.5	170.3	238.1	255.1	555.4	955.8	1156.0	1103.4	998.3	919.5	892.6
100°	135.9	197.3	258.9	274.2	607.5	1051.8	1273.9	1277.8	1285.4	1291.2	1259.1
102.5°	164.2	221.6	279.0	293.3	631.3	1082.0	1307.2	1374.2	1508.1	1608.6	1581.2
105°	212.4	261.1	309.6	321.7	649.0	1085.3	1303.6	1453.7	1753.9	1979.1	1964.3
107.5°	261.8	307.2	352.4	363.7	652.3	1037.0	1229.5	1438.8	1857.6	2171.8	2175.4
110°	295.2	336.1	376.9	387.1	647.3	994.2	1167.7	1401.8	1870.0	2221.2	2236.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	327.9	366.8	405.8	415.5	647.5	956.9	1111.5	1351.2	1830.3	2189.7	2213.3
115°	377.3	413.2	449.2	458.2	653.5	913.9	1044.2	1275.0	1736.6	2082.8	2115.6
117.5°	426.1	458.8	491.4	499.6	665.7	887.1	997.9	1206.2	1622.8	1935.2	1971.5
120°	454.5	485.2	515.9	523.6	675.5	878.1	979.4	1169.7	1550.4	1835.8	1871.1
122.5°	482.3	513.3	544.3	552.1	689.7	873.3	965.1	1136.5	1479.4	1736.4	1771.2
125°	524.9	553.2	581.4	588.4	708.9	869.4	949.7	1095.3	1386.4	1604.9	1636.9
127.5°	559.5	588.0	616.5	623.7	728.1	867.2	936.7	1061.7	1311.7	1499.3	1526.3
130°	578.0	608.7	639.4	647.1	742.0	868.6	931.9	1043.1	1265.7	1432.6	1457.6
132.5°	597.1	627.9	658.7	666.3	753.4	869.4	927.5	1027.1	1226.4	1375.8	1398.2
135°	625.5	653.5	681.6	688.5	765.7	868.6	920.1	1003.6	1170.4	1295.5	1314.8
137.5°	654.6	682.3	709.9	716.9	784.3	874.0	918.8	989.3	1130.5	1236.2	1252.0
140°	678.7	704.2	729.7	736.0	795.5	874.9	914.5	975.5	1097.3	1188.7	1203.5
142.5°	697.2	720.8	744.4	750.3	805.1	878.1	914.5	968.0	1075.1	1155.4	1168.0
145°	725.6	746.2	766.7	771.9	817.4	878.1	908.4	952.2	1039.7	1105.4	1114.9
147.5°	754.0	774.0	794.1	799.1	835.5	884.0	908.4	942.8	1011.6	1063.3	1071.3
150°	772.5	790.6	808.8	813.2	844.9	887.2	908.4	937.4	995.6	1039.2	1045.7
152.5°	791.6	805.4	819.1	822.5	851.1	889.2	908.4	933.2	982.9	1020.1	1025.0
155°	820.0	830.2	840.3	842.9	864.7	893.8	908.4	928.1	967.6	997.3	1000.5
157.5°	841.0	850.9	860.7	863.2	878.3	898.3	908.4	923.7	954.5	977.5	979.8
160°	855.3	862.9	870.6	872.5	884.4	900.4	908.4	921.5	947.9	967.6	968.9
162.5°	869.4	875.2	881.0	882.5	891.1	902.6	908.4	919.5	941.7	958.4	959.5
165°	884.8	890.0	895.3	896.6	900.5	905.8	908.4	916.3	932.3	944.2	945.5
167.5°	899.1	901.6	904.1	904.7	908.0	912.3	914.5	919.7	930.2	938.0	938.5
170°	908.4	910.8	913.3	913.9	914.1	914.4	914.5	919.7	930.2	938.0	938.0
172.5°	913.3	913.8	914.4	914.5	914.5	914.5	914.5	918.6	926.9	933.1	932.6
175°	920.1	920.1	920.1	920.1	918.2	915.7	914.5	917.1	922.4	926.3	926.3
177.5°	920.1	920.1	920.1	920.1	918.6	916.7	915.7	917.8	921.9	925.0	924.5
180°	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1
2.5°	1448.2	1444.2	1448.2	1445.5	1446.8	1442.8	1430.8	1426.8	1430.8	1434.8	1434.8
5°	1465.5	1462.8	1465.5	1465.5	1464.2	1461.5	1448.2	1445.5	1448.2	1449.5	1446.8
7.5°	1470.9	1466.9	1470.9	1468.2	1468.2	1465.5	1452.2	1449.5	1450.9	1454.9	1450.9
10°	1470.9	1466.9	1470.9	1469.5	1468.2	1465.5	1452.2	1446.8	1446.8	1450.9	1446.8
12.5°	1464.2	1461.5	1464.2	1461.5	1461.5	1458.8	1445.5	1440.1	1441.5	1442.8	1437.4
15°	1453.5	1449.5	1453.5	1450.9	1452.2	1448.2	1433.4	1428.2	1428.2	1430.8	1421.4
17.5°	1437.4	1432.1	1437.4	1436.1	1434.8	1432.1	1418.8	1413.4	1412.1	1413.4	1406.8
20°	1418.8	1414.7	1418.8	1417.4	1417.4	1412.1	1398.7	1392.0	1392.0	1392.0	1385.3
22.5°	1389.4	1385.3	1389.4	1392.0	1392.0	1390.7	1378.7	1369.3	1366.7	1366.7	1358.6
25°	1356.0	1352.0	1356.0	1356.0	1354.7	1356.0	1352.0	1346.6	1342.6	1338.6	1330.6
27.5°	1323.9	1321.3	1323.9	1321.3	1323.9	1319.9	1318.6	1317.2	1311.9	1307.8	1297.2
30°	1291.8	1289.2	1291.8	1289.2	1286.5	1283.8	1277.2	1274.5	1279.9	1277.2	1259.8
32.5°	1251.8	1249.1	1251.8	1251.8	1249.1	1249.1	1238.4	1234.4	1235.7	1243.8	1227.8
35°	1210.3	1206.4	1210.3	1209.0	1210.3	1206.4	1199.7	1198.4	1193.0	1202.4	1190.3
37.5°	1162.2	1158.2	1162.2	1162.2	1162.2	1164.9	1159.6	1155.6	1147.6	1159.6	1150.3
40°	1112.8	1107.5	1112.8	1111.5	1112.8	1115.5	1112.8	1110.1	1102.2	1111.5	1103.5
42.5°	1056.8	1055.4	1056.8	1058.1	1058.1	1063.4	1067.4	1062.0	1059.4	1052.7	1058.1
45°	996.6	993.9	996.6	999.3	1000.6	1003.3	1015.3	1015.3	1011.3	1000.6	1008.6
47.5°	932.5	925.8	932.5	940.5	940.5	944.5	956.6	965.9	959.2	945.8	949.9
50°	864.3	865.7	864.3	869.7	869.7	884.3	893.7	903.1	909.7	893.7	875.1
52.5°	797.6	796.2	797.6	801.6	806.9	813.6	829.7	838.9	849.7	840.3	810.9
55°	730.8	733.5	730.8	732.1	734.7	738.7	762.8	772.2	792.2	780.2	749.5
57.5°	663.9	659.9	663.9	666.6	668.0	672.0	692.0	709.4	721.4	722.7	685.3
60°	586.4	581.2	586.4	598.5	601.2	603.9	622.5	638.5	649.3	653.3	614.5
62.5°	518.3	509.0	518.3	526.4	531.7	538.3	551.8	575.8	585.2	586.4	531.7
65°	446.2	442.2	446.2	462.2	463.5	471.6	486.2	503.7	523.7	521.0	442.2
67.5°	380.8	380.8	380.8	391.4	399.5	403.5	422.2	430.2	455.6	458.3	368.7
70°	320.6	319.3	320.6	328.7	334.0	343.3	360.8	370.0	390.1	396.8	299.3
72.5°	263.1	261.8	263.1	269.8	275.2	283.3	297.9	308.6	326.0	334.0	232.5
75°	212.4	209.8	212.4	217.7	216.4	227.1	239.1	249.8	265.8	271.2	172.3
77.5°	162.9	162.9	162.9	168.3	168.3	179.0	184.4	197.7	207.1	215.1	126.9
80°	121.6	120.2	121.6	122.9	122.9	128.3	137.6	146.9	155.0	155.0	86.9
82.5°	85.5	82.9	85.5	85.5	85.5	88.1	93.5	96.2	101.5	105.6	54.8
85°	53.5	53.5	53.5	54.8	53.5	56.1	57.5	60.2	60.2	57.5	33.4
87.5°	34.8	33.4	34.8	33.4	33.4	32.1	32.1	32.1	30.8	29.4	18.7
90°	23.5	23.5	23.5	23.5	23.5	31.3	41.7	46.9	40.3	27.2	17.3
92.5°	94.0	75.3	94.0	112.6	117.3	166.3	231.7	264.3	232.1	167.6	119.2
95°	327.7	271.1	327.7	384.2	398.3	523.0	689.3	772.5	652.4	412.2	232.2
97.5°	784.9	677.4	784.9	892.6	919.5	998.3	1103.4	1156.0	955.8	555.4	255.1
100°	1131.1	1002.9	1131.1	1259.1	1291.2	1285.4	1277.8	1273.9	1051.8	607.5	274.2
102.5°	1471.4	1361.6	1471.4	1581.2	1608.6	1508.1	1374.2	1307.2	1082.0	631.3	293.3
105°	1905.2	1846.3	1905.2	1964.3	1979.1	1753.9	1453.7	1303.6	1085.3	649.0	321.7
107.5°	2189.6	2203.8	2189.6	2175.4	2171.8	1857.6	1438.8	1229.5	1037.0	652.3	363.7
110°	2298.1	2359.5	2298.1	2236.5	2221.2	1870.0	1401.8	1167.7	994.2	647.3	387.1



TEST NUMBER: P934692

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2307.6	2402.1	2307.6	2213.3	2189.7	1830.3	1351.2	1111.5	956.9	647.5	415.5
115°	2246.5	2377.4	2246.5	2115.6	2082.8	1736.6	1275.0	1044.2	913.9	653.5	458.2
117.5°	2116.7	2261.9	2116.7	1971.5	1935.2	1622.8	1206.2	997.9	887.1	665.7	499.6
120°	2012.2	2153.3	2012.2	1871.1	1835.8	1550.4	1169.7	979.4	878.1	675.5	523.6
122.5°	1910.3	2049.5	1910.3	1771.2	1736.4	1479.4	1136.5	965.1	873.3	689.7	552.1
125°	1765.1	1893.3	1765.1	1636.9	1604.9	1386.4	1095.3	949.7	869.4	708.9	588.4
127.5°	1634.4	1742.6	1634.4	1526.3	1499.3	1311.7	1061.7	936.7	867.2	728.1	623.7
130°	1557.4	1657.3	1557.4	1457.6	1432.6	1265.7	1043.1	931.9	868.6	742.0	647.1
132.5°	1487.6	1577.1	1487.6	1398.2	1375.8	1226.4	1027.1	927.5	869.4	753.4	666.3
135°	1391.9	1469.0	1391.9	1314.8	1295.5	1170.4	1003.6	920.1	868.6	765.7	688.5
137.5°	1315.1	1378.3	1315.1	1252.0	1236.2	1130.5	989.3	918.8	874.0	784.3	716.9
140°	1262.5	1321.5	1262.5	1203.5	1188.7	1097.3	975.5	914.5	874.9	795.5	736.0
142.5°	1218.8	1269.6	1218.8	1168.0	1155.4	1075.1	968.0	914.5	878.1	805.1	750.3
145°	1153.4	1191.8	1153.4	1114.9	1105.4	1039.7	952.2	908.4	878.1	817.4	771.9
147.5°	1103.1	1134.9	1103.1	1071.3	1063.3	1011.6	942.8	908.4	884.0	835.5	799.1
150°	1071.5	1097.3	1071.5	1045.7	1039.2	995.6	937.4	908.4	887.2	844.9	813.2
152.5°	1044.4	1063.9	1044.4	1025.0	1020.1	982.9	933.2	908.4	889.2	851.1	822.5
155°	1013.4	1026.3	1013.4	1000.5	997.3	967.6	928.1	908.4	893.8	864.7	842.9
157.5°	988.8	997.9	988.8	979.8	977.5	954.5	923.7	908.4	898.3	878.3	863.2
160°	974.2	979.4	974.2	968.9	967.6	947.9	921.5	908.4	900.4	884.4	872.5
162.5°	964.5	969.5	964.5	959.5	958.4	941.7	919.5	908.4	902.6	891.1	882.5
165°	950.7	955.9	950.7	945.5	944.2	932.3	916.3	908.4	905.8	900.5	896.6
167.5°	940.7	942.9	940.7	938.5	938.0	930.2	919.7	914.5	912.3	908.0	904.7
170°	938.0	938.0	938.0	938.0	938.0	930.2	919.7	914.5	914.4	914.1	913.9
172.5°	930.7	928.8	930.7	932.6	933.1	926.9	918.6	914.5	914.5	914.5	914.5
175°	926.3	926.3	926.3	926.3	926.3	922.4	917.1	914.5	915.7	918.2	920.1
177.5°	922.3	920.1	922.3	924.5	925.0	921.9	917.8	915.7	916.7	918.6	920.1
180°	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1



TEST NUMBER: P934692

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1
2.5°	1432.1	1424.1	1424.1	1410.7	1405.5	1401.4	1394.7	1374.7	1369.3	1364.0	1372.0
5°	1444.2	1429.5	1418.8	1394.7	1374.7	1366.7	1341.3	1293.2	1261.1	1237.0	1223.7
7.5°	1446.8	1428.2	1408.0	1370.7	1322.6	1301.2	1223.7	1135.5	1111.5	1090.1	1076.8
10°	1444.2	1422.8	1394.7	1338.6	1225.1	1187.6	1110.1	1052.7	1038.0	1034.0	1038.0
12.5°	1434.8	1414.7	1376.0	1282.5	1123.5	1098.2	1052.7	1019.3	1016.6	1023.3	1059.4
15°	1418.8	1400.1	1354.7	1207.6	1067.4	1048.7	1016.6	1004.7	1019.3	1066.1	1174.3
17.5°	1402.8	1381.4	1325.3	1134.2	1024.7	1011.3	988.6	1012.6	1095.5	1158.2	1194.3
20°	1381.4	1356.0	1291.8	1080.8	993.9	982.0	971.2	1079.5	1142.2	1164.9	1184.9
22.5°	1356.0	1329.3	1246.4	1043.4	961.8	952.6	959.2	1116.8	1142.2	1158.2	1175.6
25°	1322.6	1299.9	1193.0	1014.0	936.5	925.8	951.2	1112.8	1127.6	1131.6	1166.3
27.5°	1291.8	1262.4	1136.9	987.2	905.8	901.8	957.9	1095.5	1106.2	1110.1	1147.6
30°	1254.5	1210.3	1074.1	959.2	873.7	872.4	959.2	1074.1	1071.4	1082.2	1119.5
32.5°	1215.7	1132.9	1003.3	924.5	843.0	841.6	949.9	1042.0	1039.3	1054.1	1082.2
35°	1179.7	1072.8	907.1	884.3	804.3	805.6	927.2	1004.7	1006.0	1019.3	1036.7
37.5°	1142.2	1020.7	801.6	840.3	766.8	766.8	896.4	969.9	967.2	971.2	995.3
40°	1098.2	939.1	708.1	782.9	732.1	728.1	859.0	932.5	923.1	921.8	955.2
42.5°	1051.4	849.7	638.5	706.8	692.0	686.6	813.6	887.0	869.7	873.7	916.4
45°	1000.6	825.6	585.2	597.2	650.6	646.6	764.1	834.9	822.9	833.7	877.7
47.5°	949.9	777.5	567.8	495.6	606.6	605.2	709.4	784.2	777.5	788.2	834.9
50°	880.4	724.1	566.4	424.8	557.1	562.4	643.9	734.7	734.7	744.1	793.5
52.5°	790.9	658.7	514.3	384.8	499.6	515.6	586.4	692.0	694.7	704.1	748.1
55°	709.4	590.5	476.9	354.0	431.5	466.2	530.4	647.9	653.3	662.6	702.7
57.5°	634.6	491.6	468.9	317.9	368.7	402.1	481.0	605.2	607.9	615.8	654.6
60°	554.4	355.4	430.2	279.2	313.9	339.3	435.6	554.4	563.7	569.1	602.5
62.5°	463.5	257.9	390.1	252.5	287.2	292.5	398.1	506.4	518.3	522.4	542.4
65°	330.0	216.4	331.3	229.8	259.2	260.6	358.1	456.9	467.6	474.3	488.9
67.5°	223.1	176.4	252.5	208.4	237.8	239.1	319.3	399.5	414.1	419.5	428.9
70°	155.0	117.5	187.0	185.7	213.7	216.4	277.9	347.3	360.8	364.7	370.0
72.5°	113.5	94.8	155.0	167.0	188.3	191.0	235.2	288.5	301.9	306.0	308.6
75°	86.9	100.2	125.6	145.6	160.4	161.7	192.3	235.2	244.5	247.1	248.5
77.5°	69.4	93.5	92.2	117.5	130.9	128.3	151.0	181.7	189.7	189.7	189.7
80°	52.1	73.5	69.4	84.2	96.2	93.5	108.2	129.6	132.3	135.0	133.6
82.5°	38.7	46.7	46.7	53.5	64.1	61.5	72.1	84.2	84.2	84.2	86.9
85°	24.0	26.7	21.4	28.1	36.1	34.8	40.0	45.4	46.7	46.7	44.1
87.5°	14.7	12.1	6.7	10.7	16.0	16.0	18.7	20.0	18.7	18.7	18.7
90°	16.1	11.2	6.2	11.2	16.1	17.3	27.2	40.3	46.9	41.7	31.3
92.5°	108.8	66.7	24.7	66.7	108.8	119.2	167.6	232.1	264.3	231.7	166.3
95°	212.9	136.2	59.3	136.2	212.9	232.2	412.2	652.4	772.5	689.3	523.0
97.5°	238.1	170.3	102.5	170.3	238.1	255.1	555.4	955.8	1156.0	1103.4	998.3
100°	258.9	197.3	135.9	197.3	258.9	274.2	607.5	1051.8	1273.9	1277.8	1285.4
102.5°	279.0	221.6	164.2	221.6	279.0	293.3	631.3	1082.0	1307.2	1374.2	1508.1
105°	309.6	261.1	212.4	261.1	309.6	321.7	649.0	1085.3	1303.6	1453.7	1753.9
107.5°	352.4	307.2	261.8	307.2	352.4	363.7	652.3	1037.0	1229.5	1438.8	1857.6
110°	376.9	336.1	295.2	336.1	376.9	387.1	647.3	994.2	1167.7	1401.8	1870.0



TEST NUMBER: P934692

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	405.8	366.8	327.9	366.8	405.8	415.5	647.5	956.9	1111.5	1351.2	1830.3
115°	449.2	413.2	377.3	413.2	449.2	458.2	653.5	913.9	1044.2	1275.0	1736.6
117.5°	491.4	458.8	426.1	458.8	491.4	499.6	665.7	887.1	997.9	1206.2	1622.8
120°	515.9	485.2	454.5	485.2	515.9	523.6	675.5	878.1	979.4	1169.7	1550.4
122.5°	544.3	513.3	482.3	513.3	544.3	552.1	689.7	873.3	965.1	1136.5	1479.4
125°	581.4	553.2	524.9	553.2	581.4	588.4	708.9	869.4	949.7	1095.3	1386.4
127.5°	616.5	588.0	559.5	588.0	616.5	623.7	728.1	867.2	936.7	1061.7	1311.7
130°	639.4	608.7	578.0	608.7	639.4	647.1	742.0	868.6	931.9	1043.1	1265.7
132.5°	658.7	627.9	597.1	627.9	658.7	666.3	753.4	869.4	927.5	1027.1	1226.4
135°	681.6	653.5	625.5	653.5	681.6	688.5	765.7	868.6	920.1	1003.6	1170.4
137.5°	709.9	682.3	654.6	682.3	709.9	716.9	784.3	874.0	918.8	989.3	1130.5
140°	729.7	704.2	678.7	704.2	729.7	736.0	795.5	874.9	914.5	975.5	1097.3
142.5°	744.4	720.8	697.2	720.8	744.4	750.3	805.1	878.1	914.5	968.0	1075.1
145°	766.7	746.2	725.6	746.2	766.7	771.9	817.4	878.1	908.4	952.2	1039.7
147.5°	794.1	774.0	754.0	774.0	794.1	799.1	835.5	884.0	908.4	942.8	1011.6
150°	808.8	790.6	772.5	790.6	808.8	813.2	844.9	887.2	908.4	937.4	995.6
152.5°	819.1	805.4	791.6	805.4	819.1	822.5	851.1	889.2	908.4	933.2	982.9
155°	840.3	830.2	820.0	830.2	840.3	842.9	864.7	893.8	908.4	928.1	967.6
157.5°	860.7	850.9	841.0	850.9	860.7	863.2	878.3	898.3	908.4	923.7	954.5
160°	870.6	862.9	855.3	862.9	870.6	872.5	884.4	900.4	908.4	921.5	947.9
162.5°	881.0	875.2	869.4	875.2	881.0	882.5	891.1	902.6	908.4	919.5	941.7
165°	895.3	890.0	884.8	890.0	895.3	896.6	900.5	905.8	908.4	916.3	932.3
167.5°	904.1	901.6	899.1	901.6	904.1	904.7	908.0	912.3	914.5	919.7	930.2
170°	913.3	910.8	908.4	910.8	913.3	913.9	914.1	914.4	914.5	919.7	930.2
172.5°	914.4	913.8	913.3	913.8	914.4	914.5	914.5	914.5	914.5	918.6	926.9
175°	920.1	920.1	920.1	920.1	920.1	920.1	918.2	915.7	914.5	917.1	922.4
177.5°	920.1	920.1	920.1	920.1	920.1	920.1	918.6	916.7	915.7	917.8	921.9
180°	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1



TEST NUMBER: P934692

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1
2.5°	1362.6	1358.6	1364.0	1349.3	1364.0	1358.6	1362.6	1372.0	1364.0	1369.3	1374.7
5°	1195.7	1189.0	1167.6	1150.3	1167.6	1189.0	1195.7	1223.7	1237.0	1261.1	1293.2
7.5°	1068.7	1063.4	1058.1	1047.4	1058.1	1063.4	1068.7	1076.8	1090.1	1111.5	1135.5
10°	1040.7	1042.0	1050.1	1048.7	1050.1	1042.0	1040.7	1038.0	1034.0	1038.0	1052.7
12.5°	1112.8	1124.9	1168.9	1166.3	1168.9	1124.9	1112.8	1059.4	1023.3	1016.6	1019.3
15°	1195.7	1199.7	1209.0	1210.3	1209.0	1199.7	1195.7	1174.3	1066.1	1019.3	1004.7
17.5°	1203.7	1205.1	1211.7	1211.7	1211.7	1205.1	1203.7	1194.3	1158.2	1095.5	1012.6
20°	1197.0	1199.7	1213.0	1215.7	1213.0	1199.7	1197.0	1184.9	1164.9	1142.2	1079.5
22.5°	1194.3	1199.7	1210.3	1209.0	1210.3	1199.7	1194.3	1175.6	1158.2	1142.2	1116.8
25°	1181.0	1181.0	1182.4	1183.6	1182.4	1181.0	1181.0	1166.3	1131.6	1127.6	1112.8
27.5°	1152.9	1155.6	1163.6	1162.2	1163.6	1155.6	1152.9	1147.6	1110.1	1106.2	1095.5
30°	1127.6	1124.9	1118.2	1112.8	1118.2	1124.9	1127.6	1119.5	1082.2	1071.4	1074.1
32.5°	1084.7	1078.1	1071.4	1067.4	1071.4	1078.1	1084.7	1082.2	1054.1	1039.3	1042.0
35°	1034.0	1035.3	1034.0	1030.0	1034.0	1035.3	1034.0	1036.7	1019.3	1006.0	1004.7
37.5°	998.0	1000.6	999.3	993.9	999.3	1000.6	998.0	995.3	971.2	967.2	969.9
40°	960.5	961.8	960.5	956.6	960.5	961.8	960.5	955.2	921.8	923.1	932.5
42.5°	924.5	923.1	919.1	916.4	919.1	923.1	924.5	916.4	873.7	869.7	887.0
45°	883.1	884.3	876.4	872.4	876.4	884.3	883.1	877.7	833.7	822.9	834.9
47.5°	841.6	841.6	834.9	831.0	834.9	841.6	841.6	834.9	788.2	777.5	784.2
50°	797.6	796.2	786.8	785.5	786.8	796.2	797.6	793.5	744.1	734.7	734.7
52.5°	746.8	746.8	748.1	750.8	748.1	746.8	746.8	748.1	704.1	694.7	692.0
55°	702.7	704.1	713.4	716.0	713.4	704.1	702.7	702.7	662.6	653.3	647.9
57.5°	657.3	657.3	663.9	663.9	663.9	657.3	657.3	654.6	615.8	607.9	605.2
60°	605.2	607.9	613.2	611.8	613.2	607.9	605.2	602.5	569.1	563.7	554.4
62.5°	550.4	553.1	554.4	551.8	554.4	553.1	550.4	542.4	522.4	518.3	506.4
65°	492.9	495.6	497.0	494.3	497.0	495.6	492.9	488.9	474.3	467.6	456.9
67.5°	434.2	432.9	431.5	436.8	431.5	432.9	434.2	428.9	419.5	414.1	399.5
70°	374.1	374.1	372.7	375.4	372.7	374.1	374.1	370.0	364.7	360.8	347.3
72.5°	310.0	308.6	313.9	310.0	313.9	308.6	310.0	308.6	306.0	301.9	288.5
75°	247.1	249.8	247.1	251.2	247.1	249.8	247.1	248.5	247.1	244.5	235.2
77.5°	188.3	191.0	188.3	188.3	188.3	191.0	188.3	189.7	189.7	189.7	181.7
80°	133.6	132.3	132.3	130.9	132.3	132.3	133.6	133.6	135.0	132.3	129.6
82.5°	85.5	84.2	84.2	86.9	84.2	84.2	85.5	86.9	84.2	84.2	84.2
85°	46.7	48.1	45.4	45.4	45.4	48.1	46.7	44.1	46.7	46.7	45.4
87.5°	17.3	16.0	16.0	16.0	16.0	16.0	17.3	18.7	18.7	18.7	20.0
90°	23.5	23.5	23.5	23.5	23.5	23.5	23.5	31.3	41.7	46.9	40.3
92.5°	117.3	112.6	94.0	75.3	94.0	112.6	117.3	166.3	231.7	264.3	232.1
95°	398.3	384.2	327.7	271.1	327.7	384.2	398.3	523.0	689.3	772.5	652.4
97.5°	919.5	892.6	784.9	677.4	784.9	892.6	919.5	998.3	1103.4	1156.0	955.8
100°	1291.2	1259.1	1131.1	1002.9	1131.1	1259.1	1291.2	1285.4	1277.8	1273.9	1051.8
102.5°	1608.6	1581.2	1471.4	1361.6	1471.4	1581.2	1608.6	1508.1	1374.2	1307.2	1082.0
105°	1979.1	1964.3	1905.2	1846.3	1905.2	1964.3	1979.1	1753.9	1453.7	1303.6	1085.3
107.5°	2171.8	2175.4	2189.6	2203.8	2189.6	2175.4	2171.8	1857.6	1438.8	1229.5	1037.0
110°	2221.2	2236.5	2298.1	2359.5	2298.1	2236.5	2221.2	1870.0	1401.8	1167.7	994.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2189.7	2213.3	2307.6	2402.1	2307.6	2213.3	2189.7	1830.3	1351.2	1111.5	956.9
115°	2082.8	2115.6	2246.5	2377.4	2246.5	2115.6	2082.8	1736.6	1275.0	1044.2	913.9
117.5°	1935.2	1971.5	2116.7	2261.9	2116.7	1971.5	1935.2	1622.8	1206.2	997.9	887.1
120°	1835.8	1871.1	2012.2	2153.3	2012.2	1871.1	1835.8	1550.4	1169.7	979.4	878.1
122.5°	1736.4	1771.2	1910.3	2049.5	1910.3	1771.2	1736.4	1479.4	1136.5	965.1	873.3
125°	1604.9	1636.9	1765.1	1893.3	1765.1	1636.9	1604.9	1386.4	1095.3	949.7	869.4
127.5°	1499.3	1526.3	1634.4	1742.6	1634.4	1526.3	1499.3	1311.7	1061.7	936.7	867.2
130°	1432.6	1457.6	1557.4	1657.3	1557.4	1457.6	1432.6	1265.7	1043.1	931.9	868.6
132.5°	1375.8	1398.2	1487.6	1577.1	1487.6	1398.2	1375.8	1226.4	1027.1	927.5	869.4
135°	1295.5	1314.8	1391.9	1469.0	1391.9	1314.8	1295.5	1170.4	1003.6	920.1	868.6
137.5°	1236.2	1252.0	1315.1	1378.3	1315.1	1252.0	1236.2	1130.5	989.3	918.8	874.0
140°	1188.7	1203.5	1262.5	1321.5	1262.5	1203.5	1188.7	1097.3	975.5	914.5	874.9
142.5°	1155.4	1168.0	1218.8	1269.6	1218.8	1168.0	1155.4	1075.1	968.0	914.5	878.1
145°	1105.4	1114.9	1153.4	1191.8	1153.4	1114.9	1105.4	1039.7	952.2	908.4	878.1
147.5°	1063.3	1071.3	1103.1	1134.9	1103.1	1071.3	1063.3	1011.6	942.8	908.4	884.0
150°	1039.2	1045.7	1071.5	1097.3	1071.5	1045.7	1039.2	995.6	937.4	908.4	887.2
152.5°	1020.1	1025.0	1044.4	1063.9	1044.4	1025.0	1020.1	982.9	933.2	908.4	889.2
155°	997.3	1000.5	1013.4	1026.3	1013.4	1000.5	997.3	967.6	928.1	908.4	893.8
157.5°	977.5	979.8	988.8	997.9	988.8	979.8	977.5	954.5	923.7	908.4	898.3
160°	967.6	968.9	974.2	979.4	974.2	968.9	967.6	947.9	921.5	908.4	900.4
162.5°	958.4	959.5	964.5	969.5	964.5	959.5	958.4	941.7	919.5	908.4	902.6
165°	944.2	945.5	950.7	955.9	950.7	945.5	944.2	932.3	916.3	908.4	905.8
167.5°	938.0	938.5	940.7	942.9	940.7	938.5	938.0	930.2	919.7	914.5	912.3
170°	938.0	938.0	938.0	938.0	938.0	938.0	938.0	930.2	919.7	914.5	914.4
172.5°	933.1	932.6	930.7	928.8	930.7	932.6	933.1	926.9	918.6	914.5	914.5
175°	926.3	926.3	926.3	926.3	926.3	926.3	926.3	922.4	917.1	914.5	915.7
177.5°	925.0	924.5	922.3	920.1	922.3	924.5	925.0	921.9	917.8	915.7	916.7
180°	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1412.1	1412.1	1412.1	1412.1	1412.1
2.5°	1394.7	1401.4	1405.5	1410.7	1424.1
5°	1341.3	1366.7	1374.7	1394.7	1418.8
7.5°	1223.7	1301.2	1322.6	1370.7	1408.0
10°	1110.1	1187.6	1225.1	1338.6	1394.7
12.5°	1052.7	1098.2	1123.5	1282.5	1376.0
15°	1016.6	1048.7	1067.4	1207.6	1354.7
17.5°	988.6	1011.3	1024.7	1134.2	1325.3
20°	971.2	982.0	993.9	1080.8	1291.8
22.5°	959.2	952.6	961.8	1043.4	1246.4
25°	951.2	925.8	936.5	1014.0	1193.0
27.5°	957.9	901.8	905.8	987.2	1136.9
30°	959.2	872.4	873.7	959.2	1074.1
32.5°	949.9	841.6	843.0	924.5	1003.3
35°	927.2	805.6	804.3	884.3	907.1
37.5°	896.4	766.8	766.8	840.3	801.6
40°	859.0	728.1	732.1	782.9	708.1
42.5°	813.6	686.6	692.0	706.8	638.5
45°	764.1	646.6	650.6	597.2	585.2
47.5°	709.4	605.2	606.6	495.6	567.8
50°	643.9	562.4	557.1	424.8	566.4
52.5°	586.4	515.6	499.6	384.8	514.3
55°	530.4	466.2	431.5	354.0	476.9
57.5°	481.0	402.1	368.7	317.9	468.9
60°	435.6	339.3	313.9	279.2	430.2
62.5°	398.1	292.5	287.2	252.5	390.1
65°	358.1	260.6	259.2	229.8	331.3
67.5°	319.3	239.1	237.8	208.4	252.5
70°	277.9	216.4	213.7	185.7	187.0
72.5°	235.2	191.0	188.3	167.0	155.0
75°	192.3	161.7	160.4	145.6	125.6
77.5°	151.0	128.3	130.9	117.5	92.2
80°	108.2	93.5	96.2	84.2	69.4
82.5°	72.1	61.5	64.1	53.5	46.7
85°	40.0	34.8	36.1	28.1	21.4
87.5°	18.7	16.0	16.0	10.7	6.7
90°	27.2	17.3	16.1	11.2	6.2
92.5°	167.6	119.2	108.8	66.7	24.7
95°	412.2	232.2	212.9	136.2	59.3
97.5°	555.4	255.1	238.1	170.3	102.5
100°	607.5	274.2	258.9	197.3	135.9
102.5°	631.3	293.3	279.0	221.6	164.2
105°	649.0	321.7	309.6	261.1	212.4
107.5°	652.3	363.7	352.4	307.2	261.8
110°	647.3	387.1	376.9	336.1	295.2



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CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	647.5	415.5	405.8	366.8	327.9
115°	653.5	458.2	449.2	413.2	377.3
117.5°	665.7	499.6	491.4	458.8	426.1
120°	675.5	523.6	515.9	485.2	454.5
122.5°	689.7	552.1	544.3	513.3	482.3
125°	708.9	588.4	581.4	553.2	524.9
127.5°	728.1	623.7	616.5	588.0	559.5
130°	742.0	647.1	639.4	608.7	578.0
132.5°	753.4	666.3	658.7	627.9	597.1
135°	765.7	688.5	681.6	653.5	625.5
137.5°	784.3	716.9	709.9	682.3	654.6
140°	795.5	736.0	729.7	704.2	678.7
142.5°	805.1	750.3	744.4	720.8	697.2
145°	817.4	771.9	766.7	746.2	725.6
147.5°	835.5	799.1	794.1	774.0	754.0
150°	844.9	813.2	808.8	790.6	772.5
152.5°	851.1	822.5	819.1	805.4	791.6
155°	864.7	842.9	840.3	830.2	820.0
157.5°	878.3	863.2	860.7	850.9	841.0
160°	884.4	872.5	870.6	862.9	855.3
162.5°	891.1	882.5	881.0	875.2	869.4
165°	900.5	896.6	895.3	890.0	884.8
167.5°	908.0	904.7	904.1	901.6	899.1
170°	914.1	913.9	913.3	910.8	908.4
172.5°	914.5	914.5	914.4	913.8	913.3
175°	918.2	920.1	920.1	920.1	920.1
177.5°	918.6	920.1	920.1	920.1	920.1
180°	920.1	920.1	920.1	920.1	920.1



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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	10.12	10.89	11.18	11.94	13.37	12.96	13.72	14.01	14.78	16.21
	3H	10.59	11.27	11.65	12.34	13.79	14.30	14.98	15.36	16.05	17.50
	4H	10.78	11.43	11.85	12.49	13.95	14.74	15.39	15.82	16.46	17.91
	6H	10.89	11.49	11.98	12.56	14.03	15.02	15.62	16.11	16.69	18.16
	8H	10.89	11.46	11.98	12.54	14.01	15.09	15.66	16.18	16.75	18.21
	12H	10.86	11.40	11.95	12.48	13.97	15.13	15.67	16.22	16.75	18.24
4H	2H	11.14	11.79	12.23	12.86	14.32	13.36	14.00	14.44	15.07	16.53
	3H	12.16	12.70	13.25	13.80	15.27	14.86	15.40	15.94	16.49	17.96
	4H	12.43	12.93	13.53	14.01	15.51	15.38	15.88	16.47	16.96	18.45
	6H	12.55	12.98	13.66	14.09	15.57	15.74	16.17	16.84	17.28	18.76
	8H	12.56	12.95	13.66	14.05	15.56	15.85	16.24	16.95	17.35	18.85
	12H	12.52	12.88	13.64	13.99	15.50	15.90	16.26	17.02	17.37	18.88
8H	4H	12.88	13.28	13.98	14.38	15.88	15.50	15.89	16.60	16.99	18.50
	6H	13.14	13.47	14.26	14.61	16.11	15.93	16.26	17.06	17.40	18.90
	8H	13.18	13.47	14.31	14.59	16.11	16.08	16.37	17.21	17.49	19.01
	12H	13.16	13.41	14.29	14.53	16.09	16.18	16.43	17.31	17.55	19.11
12H	4H	12.88	13.24	14.00	14.36	15.86	15.46	15.82	16.58	16.93	18.44
	6H	13.20	13.49	14.33	14.61	16.13	15.93	16.21	17.06	17.34	18.86
	8H	13.26	13.51	14.39	14.63	16.19	16.09	16.34	17.22	17.46	19.01