

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: P934646

Luminaire Tested: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934646
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-92765-1D-UNV-STD-W-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

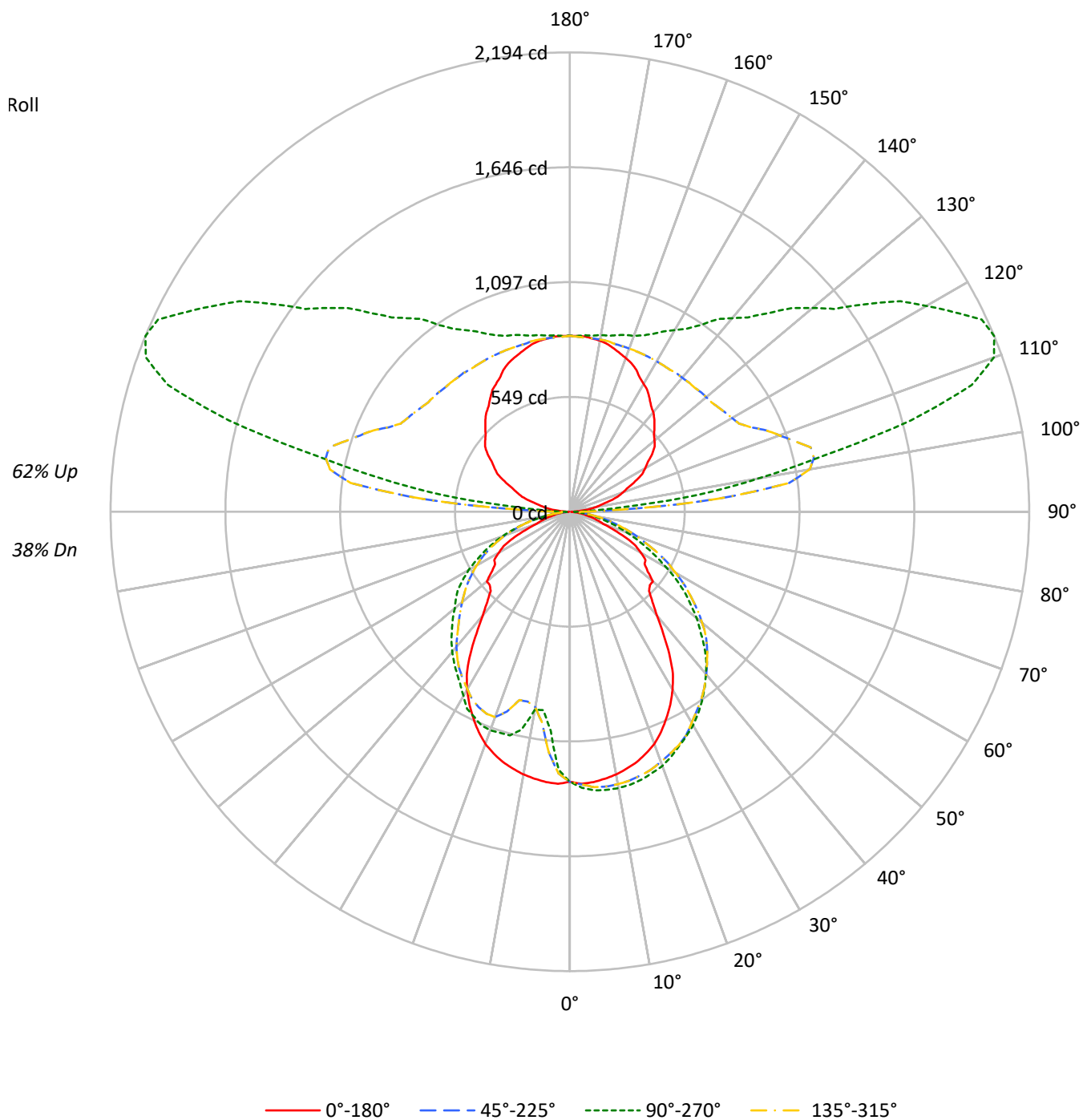
Lumens per Lamp: N/A
Luminaire Lumens: 8794.4 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

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



TEST NUMBER: P934646

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	5984	5984	5984	5984
5°	6028	6040	6028	4749
10°	5988	5950	5988	4254
15°	5923	5821	5923	4860
20°	5799	5668	5799	4871
25°	5546	5445	5546	4767
30°	5218	5260	5218	4541
35°	4651	5027	4651	4292
40°	3876	4751	3876	4104
45°	3463	4429	3463	3888
50°	3679	4045	3679	3670
55°	3461	3631	3461	3544
60°	3569	3084	3569	3246
65°	3234	2549	3234	2850
70°	2240	2031	2240	2388
75°	1964	1502	1964	1798
80°	1582	993	1582	1080
85°	913	526	913	447

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 5308 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.4	1.3
10°-20°	330.5	3.8
20°-30°	510.9	5.8
30°-40°	610.0	6.9
40°-50°	613.5	7.0
50°-60°	533.8	6.1
60°-70°	378.5	4.3
70°-80°	200.2	2.3
80°-90°	53.1	0.6
90°-100°	409.6	4.7
100°-110°	1076.9	12.2
110°-120°	1116.6	12.7
120°-130°	895.6	10.2
130°-140°	702.8	8.0
140°-150°	539.4	6.1
150°-160°	388.5	4.4
160°-170°	237.7	2.7
170°-180°	80.3	0.9
0°-30°	957.9	10.9
0°-40°	1567.8	17.8
0°-60°	2715.2	30.9
0°-90°	3347.0	38.1
90°-120°	2603.1	29.6
90°-150°	4740.9	53.9
90°-180°	5447.0	61.9
0°-180°	8794.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1290	1290	1290	1290	1290	
5°	1296	1336	1296	1050	1296	123
15°	1237	1324	1237	1105	1237	348
25°	1090	1235	1090	1081	1090	500
35°	828	1102	828	941	828	513
45°	534	908	534	797	534	428
55°	436	670	436	654	436	400
65°	302	404	302	452	302	289
75°	115	192	115	229	115	121
85°	20	49	20	42	20	26
90°	6	22	6	22	6	5
95°	54	248	54	248	54	60
105°	194	1686	194	1686	194	206
115°	345	2171	345	2171	345	340
125°	479	1729	479	1729	479	426
135°	571	1342	571	1342	571	442
145°	663	1088	663	1088	663	415
155°	749	937	749	937	749	344
165°	808	873	808	873	808	228
175°	840	846	840	846	840	80
180°	840	840	840	840	840	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7
2.5°	1300.6	1300.6	1308.0	1310.4	1310.4	1306.7	1303.1	1306.7	1317.7	1321.3	1320.2
5°	1295.8	1305.5	1319.0	1321.3	1323.8	1322.6	1320.2	1322.6	1334.8	1337.3	1338.4
7.5°	1286.0	1304.3	1321.3	1325.1	1328.7	1325.1	1323.8	1326.3	1338.4	1340.9	1340.9
10°	1273.8	1299.4	1319.0	1321.3	1325.1	1321.3	1321.3	1326.3	1338.4	1340.9	1342.1
12.5°	1256.7	1292.0	1310.4	1312.8	1317.7	1316.5	1315.2	1320.2	1332.3	1334.8	1334.8
15°	1237.2	1278.7	1295.8	1298.1	1306.7	1304.3	1304.3	1309.1	1322.6	1326.3	1325.1
17.5°	1210.4	1261.6	1281.1	1284.8	1290.9	1289.7	1290.9	1295.8	1308.0	1310.4	1311.6
20°	1179.8	1238.4	1261.6	1265.2	1271.3	1271.3	1271.3	1277.4	1289.7	1294.5	1294.5
22.5°	1138.3	1214.0	1238.4	1240.8	1248.2	1248.2	1250.6	1259.1	1270.1	1271.3	1271.3
25°	1089.6	1187.2	1207.9	1215.2	1222.6	1226.2	1229.8	1234.7	1238.4	1237.2	1238.4
27.5°	1038.4	1153.0	1179.8	1184.7	1194.4	1198.2	1203.0	1204.3	1205.5	1209.1	1206.7
30°	981.0	1105.4	1145.7	1150.6	1166.4	1168.9	1164.0	1166.4	1172.5	1175.0	1177.4
32.5°	916.3	1034.6	1110.3	1121.3	1136.0	1128.6	1127.4	1131.0	1140.8	1140.8	1143.2
35°	828.4	979.8	1077.4	1087.1	1098.1	1089.6	1094.5	1095.7	1101.8	1105.4	1104.2
37.5°	732.1	932.2	1043.2	1050.5	1059.1	1048.1	1055.4	1059.1	1063.9	1061.5	1061.5
40°	646.7	857.7	1003.0	1007.8	1015.2	1006.6	1013.9	1016.3	1018.8	1016.3	1015.2
42.5°	583.2	776.0	960.2	966.3	961.4	967.6	969.9	974.9	971.2	966.3	966.3
45°	534.4	754.0	913.8	921.2	913.8	923.6	927.3	927.3	916.3	913.8	912.6
47.5°	518.6	710.1	867.5	867.5	863.8	876.1	882.2	873.6	862.6	859.0	859.0
50°	517.3	661.3	804.0	799.2	816.2	830.9	824.8	816.2	807.7	794.3	794.3
52.5°	469.7	601.5	722.3	740.6	767.5	776.0	766.2	757.7	743.1	736.9	732.1
55°	435.5	539.3	647.8	684.5	712.5	723.5	705.2	696.7	674.7	671.0	668.6
57.5°	428.3	449.0	579.5	625.9	660.0	658.9	647.8	632.0	613.7	610.1	608.8
60°	392.9	324.6	506.3	561.2	596.6	593.0	583.2	568.5	551.5	549.1	546.6
62.5°	356.3	235.5	423.3	485.6	535.6	534.4	525.9	503.9	491.7	485.6	480.7
65°	302.5	197.7	301.4	403.9	475.8	478.3	460.0	444.1	430.7	423.3	422.2
67.5°	230.6	161.1	203.8	336.7	418.5	416.1	392.9	385.6	368.5	364.9	357.5
70°	170.8	107.3	141.5	273.3	362.4	356.3	337.9	329.5	313.6	305.0	300.2
72.5°	141.5	86.6	103.7	212.3	305.0	297.7	281.8	272.1	258.7	251.3	246.4
75°	114.7	91.5	79.3	157.4	247.7	242.8	228.1	218.4	207.4	197.7	198.8
77.5°	84.2	85.4	63.4	115.9	196.5	189.1	180.6	168.4	163.5	153.7	153.7
80°	63.4	67.1	47.6	79.3	141.5	141.5	134.2	125.7	117.2	112.2	112.2
82.5°	42.7	42.7	35.4	50.0	96.4	92.7	87.9	85.4	80.5	78.0	78.0
85°	19.6	24.4	21.9	30.5	52.5	54.9	54.9	52.5	51.2	48.8	50.0
87.5°	6.1	11.0	13.5	17.1	26.8	28.1	29.3	29.3	29.3	30.5	30.5
90°	5.6	10.2	14.7	15.8	24.8	36.8	42.8	38.1	28.6	21.5	21.5
92.5°	22.6	60.9	99.3	108.9	153.1	211.9	241.4	211.6	151.9	107.2	102.9
95°	54.1	124.3	194.5	212.0	376.5	595.8	705.5	629.6	477.7	363.8	350.8
97.5°	93.6	155.5	217.5	233.0	507.2	872.9	1055.7	1007.7	911.7	839.8	815.2
100°	124.1	180.2	236.4	250.4	554.8	960.6	1163.4	1167.0	1174.0	1179.3	1150.0
102.5°	150.0	202.4	254.8	267.9	576.5	988.1	1193.9	1255.0	1377.4	1469.2	1444.0
105°	194.0	238.4	282.7	293.8	592.7	991.2	1190.5	1327.6	1601.8	1807.4	1794.0
107.5°	239.1	280.5	321.8	332.2	595.7	947.1	1122.9	1314.1	1696.6	1983.5	1986.7
110°	269.6	306.9	344.2	353.6	591.2	908.0	1066.5	1280.2	1707.8	2028.6	2042.6

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	299.5	335.0	370.6	379.5	591.4	873.9	1015.2	1234.0	1671.6	1999.8	2021.4
115°	344.6	377.4	410.2	418.4	596.8	834.7	953.7	1164.4	1586.0	1902.2	1932.2
117.5°	389.1	419.0	448.8	456.3	608.0	810.2	911.4	1101.6	1482.1	1767.4	1800.5
120°	415.1	443.1	471.2	478.2	616.9	801.9	894.4	1068.3	1415.9	1676.6	1708.8
122.5°	440.4	468.8	497.1	504.2	629.9	797.6	881.4	1038.0	1351.1	1585.9	1617.6
125°	479.4	505.2	531.0	537.4	647.4	794.0	867.3	1000.3	1266.2	1465.7	1495.0
127.5°	510.9	537.0	563.1	569.6	664.9	792.0	855.5	969.7	1198.0	1369.3	1393.9
130°	527.9	555.9	584.0	591.0	677.7	793.3	851.1	952.7	1156.0	1308.4	1331.3
132.5°	545.3	573.4	601.5	608.5	688.0	794.0	847.1	938.0	1120.0	1256.5	1276.9
135°	571.3	596.8	622.5	628.8	699.3	793.3	840.3	916.6	1068.9	1183.2	1200.8
137.5°	597.8	623.1	648.4	654.8	716.2	798.2	839.1	903.5	1032.4	1129.0	1143.4
140°	619.8	643.1	666.4	672.2	726.5	799.0	835.2	890.9	1002.1	1085.7	1099.1
142.5°	636.7	658.3	679.9	685.2	735.3	801.9	835.2	884.1	981.9	1055.2	1066.7
145°	662.7	681.5	700.2	705.0	746.5	801.9	829.6	869.6	949.6	1009.5	1018.2
147.5°	688.6	706.9	725.3	729.8	763.1	807.4	829.6	861.1	923.9	971.1	978.4
150°	705.5	722.1	738.6	742.7	771.6	810.3	829.6	856.2	909.3	949.1	955.0
152.5°	723.0	735.5	748.1	751.2	777.3	812.1	829.6	852.2	897.6	931.7	936.1
155°	748.9	758.2	767.5	769.8	789.7	816.3	829.6	847.6	883.7	910.8	913.7
157.5°	768.1	777.1	786.1	788.4	802.1	820.4	829.6	843.6	871.7	892.7	894.8
160°	781.1	788.1	795.1	796.8	807.8	822.3	829.6	841.6	865.7	883.7	884.9
162.5°	794.0	799.3	804.6	805.9	813.9	824.3	829.6	839.8	860.1	875.3	876.3
165°	808.1	812.9	817.7	818.9	822.4	827.2	829.6	836.9	851.4	862.3	863.5
167.5°	821.1	823.4	825.7	826.2	829.2	833.2	835.2	840.0	849.5	856.7	857.2
170°	829.6	831.9	834.1	834.7	834.9	835.1	835.2	840.0	849.5	856.7	856.7
172.5°	834.1	834.6	835.1	835.2	835.2	835.2	835.2	839.0	846.5	852.1	851.7
175°	840.3	840.3	840.3	840.3	838.6	836.3	835.2	837.6	842.4	846.0	846.0
177.5°	840.3	840.3	840.3	840.3	839.0	837.2	836.3	838.2	842.0	844.8	844.3
180°	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7
2.5°	1322.6	1319.0	1322.6	1320.2	1321.3	1317.7	1306.7	1303.1	1306.7	1310.4	1310.4
5°	1338.4	1336.0	1338.4	1338.4	1337.3	1334.8	1322.6	1320.2	1322.6	1323.8	1321.3
7.5°	1343.4	1339.7	1343.4	1340.9	1340.9	1338.4	1326.3	1323.8	1325.1	1328.7	1325.1
10°	1343.4	1339.7	1343.4	1342.1	1340.9	1338.4	1326.3	1321.3	1321.3	1325.1	1321.3
12.5°	1337.3	1334.8	1337.3	1334.8	1334.8	1332.3	1320.2	1315.2	1316.5	1317.7	1312.8
15°	1327.4	1323.8	1327.4	1325.1	1326.3	1322.6	1309.1	1304.3	1304.3	1306.7	1298.1
17.5°	1312.8	1308.0	1312.8	1311.6	1310.4	1308.0	1295.8	1290.9	1289.7	1290.9	1284.8
20°	1295.8	1292.0	1295.8	1294.5	1294.5	1289.7	1277.4	1271.3	1271.3	1271.3	1265.2
22.5°	1268.9	1265.2	1268.9	1271.3	1271.3	1270.1	1259.1	1250.6	1248.2	1248.2	1240.8
25°	1238.4	1234.7	1238.4	1238.4	1237.2	1238.4	1234.7	1229.8	1226.2	1222.6	1215.2
27.5°	1209.1	1206.7	1209.1	1206.7	1209.1	1205.5	1204.3	1203.0	1198.2	1194.4	1184.7
30°	1179.8	1177.4	1179.8	1177.4	1175.0	1172.5	1166.4	1164.0	1168.9	1166.4	1150.6
32.5°	1143.2	1140.8	1143.2	1143.2	1140.8	1140.8	1131.0	1127.4	1128.6	1136.0	1121.3
35°	1105.4	1101.8	1105.4	1104.2	1105.4	1101.8	1095.7	1094.5	1089.6	1098.1	1087.1
37.5°	1061.5	1057.8	1061.5	1061.5	1061.5	1063.9	1059.1	1055.4	1048.1	1059.1	1050.5
40°	1016.3	1011.4	1016.3	1015.2	1016.3	1018.8	1016.3	1013.9	1006.6	1015.2	1007.8
42.5°	965.1	963.9	965.1	966.3	966.3	971.2	974.9	969.9	967.6	961.4	966.3
45°	910.2	907.7	910.2	912.6	913.8	916.3	927.3	927.3	923.6	913.8	921.2
47.5°	851.6	845.5	851.6	859.0	859.0	862.6	873.6	882.2	876.1	863.8	867.5
50°	789.4	790.7	789.4	794.3	794.3	807.7	816.2	824.8	830.9	816.2	799.2
52.5°	728.4	727.2	728.4	732.1	736.9	743.1	757.7	766.2	776.0	767.5	740.6
55°	667.4	669.9	667.4	668.6	671.0	674.7	696.7	705.2	723.5	712.5	684.5
57.5°	606.4	602.7	606.4	608.8	610.1	613.7	632.0	647.8	658.9	660.0	625.9
60°	535.6	530.8	535.6	546.6	549.1	551.5	568.5	583.2	593.0	596.6	561.2
62.5°	473.4	464.8	473.4	480.7	485.6	491.7	503.9	525.9	534.4	535.6	485.6
65°	407.5	403.9	407.5	422.2	423.3	430.7	444.1	460.0	478.3	475.8	403.9
67.5°	347.8	347.8	347.8	357.5	364.9	368.5	385.6	392.9	416.1	418.5	336.7
70°	292.8	291.6	292.8	300.2	305.0	313.6	329.5	337.9	356.3	362.4	273.3
72.5°	240.3	239.1	240.3	246.4	251.3	258.7	272.1	281.8	297.7	305.0	212.3
75°	194.0	191.6	194.0	198.8	197.7	207.4	218.4	228.1	242.8	247.7	157.4
77.5°	148.8	148.8	148.8	153.7	153.7	163.5	168.4	180.6	189.1	196.5	115.9
80°	111.1	109.8	111.1	112.2	112.2	117.2	125.7	134.2	141.5	141.5	79.3
82.5°	78.0	75.7	78.0	78.0	78.0	80.5	85.4	87.9	92.7	96.4	50.0
85°	48.8	48.8	48.8	50.0	48.8	51.2	52.5	54.9	54.9	52.5	30.5
87.5°	31.7	30.5	31.7	30.5	30.5	29.3	29.3	29.3	28.1	26.8	17.1
90°	21.5	21.5	21.5	21.5	21.5	28.6	38.1	42.8	36.8	24.8	15.8
92.5°	85.9	68.8	85.9	102.9	107.2	151.9	211.6	241.4	211.9	153.1	108.9
95°	299.3	247.6	299.3	350.8	363.8	477.7	629.6	705.5	595.8	376.5	212.0
97.5°	716.9	618.6	716.9	815.2	839.8	911.7	1007.7	1055.7	872.9	507.2	233.0
100°	1033.0	915.9	1033.0	1150.0	1179.3	1174.0	1167.0	1163.4	960.6	554.8	250.4
102.5°	1343.8	1243.6	1343.8	1444.0	1469.2	1377.4	1255.0	1193.9	988.1	576.5	267.9
105°	1740.0	1686.2	1740.0	1794.0	1807.4	1601.8	1327.6	1190.5	991.2	592.7	293.8
107.5°	1999.7	2012.8	1999.7	1986.7	1983.5	1696.6	1314.1	1122.9	947.1	595.7	332.2
110°	2098.8	2154.9	2098.8	2042.6	2028.6	1707.8	1280.2	1066.5	908.0	591.2	353.6

TEST NUMBER: P934646

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2107.5	2193.8	2107.5	2021.4	1999.8	1671.6	1234.0	1015.2	873.9	591.4	379.5
115°	2051.7	2171.2	2051.7	1932.2	1902.2	1586.0	1164.4	953.7	834.7	596.8	418.4
117.5°	1933.2	2065.8	1933.2	1800.5	1767.4	1482.1	1101.6	911.4	810.2	608.0	456.3
120°	1837.7	1966.5	1837.7	1708.8	1676.6	1415.9	1068.3	894.4	801.9	616.9	478.2
122.5°	1744.7	1871.8	1744.7	1617.6	1585.9	1351.1	1038.0	881.4	797.6	629.9	504.2
125°	1612.1	1729.1	1612.1	1495.0	1465.7	1266.2	1000.3	867.3	794.0	647.4	537.4
127.5°	1492.7	1591.5	1492.7	1393.9	1369.3	1198.0	969.7	855.5	792.0	664.9	569.6
130°	1422.4	1513.6	1422.4	1331.3	1308.4	1156.0	952.7	851.1	793.3	677.7	591.0
132.5°	1358.6	1440.3	1358.6	1276.9	1256.5	1120.0	938.0	847.1	794.0	688.0	608.5
135°	1271.2	1341.6	1271.2	1200.8	1183.2	1068.9	916.6	840.3	793.3	699.3	628.8
137.5°	1201.1	1258.8	1201.1	1143.4	1129.0	1032.4	903.5	839.1	798.2	716.2	654.8
140°	1153.1	1206.9	1153.1	1099.1	1085.7	1002.1	890.9	835.2	799.0	726.5	672.2
142.5°	1113.1	1159.5	1113.1	1066.7	1055.2	981.9	884.1	835.2	801.9	735.3	685.2
145°	1053.4	1088.5	1053.4	1018.2	1009.5	949.6	869.6	829.6	801.9	746.5	705.0
147.5°	1007.4	1036.5	1007.4	978.4	971.1	923.9	861.1	829.6	807.4	763.1	729.8
150°	978.6	1002.1	978.6	955.0	949.1	909.3	856.2	829.6	810.3	771.6	742.7
152.5°	953.8	971.7	953.8	936.1	931.7	897.6	852.2	829.6	812.1	777.3	751.2
155°	925.6	937.3	925.6	913.7	910.8	883.7	847.6	829.6	816.3	789.7	769.8
157.5°	903.1	911.4	903.1	894.8	892.7	871.7	843.6	829.6	820.4	802.1	788.4
160°	889.7	894.4	889.7	884.9	883.7	865.7	841.6	829.6	822.3	807.8	796.8
162.5°	880.9	885.4	880.9	876.3	875.3	860.1	839.8	829.6	824.3	813.9	805.9
165°	868.2	873.0	868.2	863.5	862.3	851.4	836.9	829.6	827.2	822.4	818.9
167.5°	859.2	861.2	859.2	857.2	856.7	849.5	840.0	835.2	833.2	829.2	826.2
170°	856.7	856.7	856.7	856.7	856.7	849.5	840.0	835.2	835.1	834.9	834.7
172.5°	850.0	848.2	850.0	851.7	852.1	846.5	839.0	835.2	835.2	835.2	835.2
175°	846.0	846.0	846.0	846.0	846.0	842.4	837.6	835.2	836.3	838.6	840.3
177.5°	842.3	840.3	842.3	844.3	844.8	842.0	838.2	836.3	837.2	839.0	840.3
180°	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3

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CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7
2.5°	1308.0	1300.6	1300.6	1288.4	1283.6	1279.9	1273.8	1255.5	1250.6	1245.7	1253.0
5°	1319.0	1305.5	1295.8	1273.8	1255.5	1248.2	1225.0	1181.1	1151.8	1129.8	1117.6
7.5°	1321.3	1304.3	1286.0	1251.8	1207.9	1188.3	1117.6	1037.1	1015.2	995.6	983.4
10°	1319.0	1299.4	1273.8	1222.6	1118.9	1084.7	1013.9	961.4	948.0	944.4	948.0
12.5°	1310.4	1292.0	1256.7	1171.3	1026.1	1003.0	961.4	930.9	928.5	934.6	967.6
15°	1295.8	1278.7	1237.2	1102.9	974.9	957.8	928.5	917.6	930.9	973.7	1072.5
17.5°	1281.1	1261.6	1210.4	1035.9	935.8	923.6	902.9	924.8	1000.5	1057.8	1090.7
20°	1261.6	1238.4	1179.8	987.0	907.7	896.8	887.0	985.9	1043.2	1063.9	1082.2
22.5°	1238.4	1214.0	1138.3	952.9	878.4	870.0	876.1	1020.0	1043.2	1057.8	1073.6
25°	1207.9	1187.2	1089.6	926.1	855.3	845.5	868.7	1016.3	1029.8	1033.4	1065.2
27.5°	1179.8	1153.0	1038.4	901.6	827.2	823.6	874.8	1000.5	1010.2	1013.9	1048.1
30°	1145.7	1105.4	981.0	876.1	797.9	796.8	876.1	981.0	978.5	988.3	1022.4
32.5°	1110.3	1034.6	916.3	844.3	769.9	768.6	867.5	951.7	949.2	962.7	988.3
35°	1077.4	979.8	828.4	807.7	734.5	735.7	846.8	917.6	918.7	930.9	946.8
37.5°	1043.2	932.2	732.1	767.5	700.3	700.3	818.7	885.8	883.3	887.0	909.0
40°	1003.0	857.7	646.7	715.0	668.6	664.9	784.6	851.6	843.1	841.9	872.3
42.5°	960.2	776.0	583.2	645.5	632.0	627.1	743.1	810.1	794.3	797.9	837.0
45°	913.8	754.0	534.4	545.4	594.2	590.5	697.9	762.5	751.5	761.4	801.6
47.5°	867.5	710.1	518.6	452.6	554.0	552.7	647.8	716.2	710.1	719.9	762.5
50°	804.0	661.3	517.3	388.0	508.8	513.7	588.1	671.0	671.0	679.6	724.7
52.5°	722.3	601.5	469.7	351.4	456.3	470.9	535.6	632.0	634.5	643.0	683.2
55°	647.8	539.3	435.5	323.3	394.1	425.8	484.4	591.7	596.6	605.2	641.7
57.5°	579.5	449.0	428.3	290.4	336.7	367.2	439.3	552.7	555.2	562.4	597.8
60°	506.3	324.6	392.9	255.0	286.7	309.9	397.8	506.3	514.9	519.8	550.2
62.5°	423.3	235.5	356.3	230.6	262.3	267.2	363.6	462.5	473.4	477.1	495.4
65°	301.4	197.7	302.5	209.9	236.7	238.0	327.0	417.3	427.1	433.2	446.5
67.5°	203.8	161.1	230.6	190.3	217.2	218.4	291.6	364.9	378.2	383.1	391.7
70°	141.5	107.3	170.8	169.6	195.2	197.7	253.8	317.2	329.5	333.1	337.9
72.5°	103.7	86.6	141.5	152.5	172.0	174.5	214.8	263.5	275.7	279.4	281.8
75°	79.3	91.5	114.7	133.0	146.5	147.6	175.7	214.8	223.3	225.7	227.0
77.5°	63.4	85.4	84.2	107.3	119.5	117.2	137.9	165.9	173.3	173.3	173.3
80°	47.6	67.1	63.4	76.9	87.9	85.4	98.8	118.3	120.8	123.3	122.0
82.5°	35.4	42.7	42.7	48.8	58.6	56.1	65.9	76.9	76.9	76.9	79.3
85°	21.9	24.4	19.6	25.7	32.9	31.7	36.6	41.5	42.7	42.7	40.3
87.5°	13.5	11.0	6.1	9.7	14.6	14.6	17.1	18.3	17.1	17.1	17.1
90°	14.7	10.2	5.6	10.2	14.7	15.8	24.8	36.8	42.8	38.1	28.6
92.5°	99.3	60.9	22.6	60.9	99.3	108.9	153.1	211.9	241.4	211.6	151.9
95°	194.5	124.3	54.1	124.3	194.5	212.0	376.5	595.8	705.5	629.6	477.7
97.5°	217.5	155.5	93.6	155.5	217.5	233.0	507.2	872.9	1055.7	1007.7	911.7
100°	236.4	180.2	124.1	180.2	236.4	250.4	554.8	960.6	1163.4	1167.0	1174.0
102.5°	254.8	202.4	150.0	202.4	254.8	267.9	576.5	988.1	1193.9	1255.0	1377.4
105°	282.7	238.4	194.0	238.4	282.7	293.8	592.7	991.2	1190.5	1327.6	1601.8
107.5°	321.8	280.5	239.1	280.5	321.8	332.2	595.7	947.1	1122.9	1314.1	1696.6
110°	344.2	306.9	269.6	306.9	344.2	353.6	591.2	908.0	1066.5	1280.2	1707.8

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	370.6	335.0	299.5	335.0	370.6	379.5	591.4	873.9	1015.2	1234.0	1671.6
115°	410.2	377.4	344.6	377.4	410.2	418.4	596.8	834.7	953.7	1164.4	1586.0
117.5°	448.8	419.0	389.1	419.0	448.8	456.3	608.0	810.2	911.4	1101.6	1482.1
120°	471.2	443.1	415.1	443.1	471.2	478.2	616.9	801.9	894.4	1068.3	1415.9
122.5°	497.1	468.8	440.4	468.8	497.1	504.2	629.9	797.6	881.4	1038.0	1351.1
125°	531.0	505.2	479.4	505.2	531.0	537.4	647.4	794.0	867.3	1000.3	1266.2
127.5°	563.1	537.0	510.9	537.0	563.1	569.6	664.9	792.0	855.5	969.7	1198.0
130°	584.0	555.9	527.9	555.9	584.0	591.0	677.7	793.3	851.1	952.7	1156.0
132.5°	601.5	573.4	545.3	573.4	601.5	608.5	688.0	794.0	847.1	938.0	1120.0
135°	622.5	596.8	571.3	596.8	622.5	628.8	699.3	793.3	840.3	916.6	1068.9
137.5°	648.4	623.1	597.8	623.1	648.4	654.8	716.2	798.2	839.1	903.5	1032.4
140°	666.4	643.1	619.8	643.1	666.4	672.2	726.5	799.0	835.2	890.9	1002.1
142.5°	679.9	658.3	636.7	658.3	679.9	685.2	735.3	801.9	835.2	884.1	981.9
145°	700.2	681.5	662.7	681.5	700.2	705.0	746.5	801.9	829.6	869.6	949.6
147.5°	725.3	706.9	688.6	706.9	725.3	729.8	763.1	807.4	829.6	861.1	923.9
150°	738.6	722.1	705.5	722.1	738.6	742.7	771.6	810.3	829.6	856.2	909.3
152.5°	748.1	735.5	723.0	735.5	748.1	751.2	777.3	812.1	829.6	852.2	897.6
155°	767.5	758.2	748.9	758.2	767.5	769.8	789.7	816.3	829.6	847.6	883.7
157.5°	786.1	777.1	768.1	777.1	786.1	788.4	802.1	820.4	829.6	843.6	871.7
160°	795.1	788.1	781.1	788.1	795.1	796.8	807.8	822.3	829.6	841.6	865.7
162.5°	804.6	799.3	794.0	799.3	804.6	805.9	813.9	824.3	829.6	839.8	860.1
165°	817.7	812.9	808.1	812.9	817.7	818.9	822.4	827.2	829.6	836.9	851.4
167.5°	825.7	823.4	821.1	823.4	825.7	826.2	829.2	833.2	835.2	840.0	849.5
170°	834.1	831.9	829.6	831.9	834.1	834.7	834.9	835.1	835.2	840.0	849.5
172.5°	835.1	834.6	834.1	834.6	835.1	835.2	835.2	835.2	835.2	839.0	846.5
175°	840.3	840.3	840.3	840.3	840.3	840.3	838.6	836.3	835.2	837.6	842.4
177.5°	840.3	840.3	840.3	840.3	840.3	840.3	839.0	837.2	836.3	838.2	842.0
180°	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3

TEST NUMBER: P934646

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7
2.5°	1244.5	1240.8	1245.7	1232.3	1245.7	1240.8	1244.5	1253.0	1245.7	1250.6	1255.5
5°	1092.0	1085.9	1066.4	1050.5	1066.4	1085.9	1092.0	1117.6	1129.8	1151.8	1181.1
7.5°	976.0	971.2	966.3	956.6	966.3	971.2	976.0	983.4	995.6	1015.2	1037.1
10°	950.5	951.7	959.0	957.8	959.0	951.7	950.5	948.0	944.4	948.0	961.4
12.5°	1016.3	1027.3	1067.5	1065.2	1067.5	1027.3	1016.3	967.6	934.6	928.5	930.9
15°	1092.0	1095.7	1104.2	1105.4	1104.2	1095.7	1092.0	1072.5	973.7	930.9	917.6
17.5°	1099.3	1100.6	1106.7	1106.7	1106.7	1100.6	1099.3	1090.7	1057.8	1000.5	924.8
20°	1093.2	1095.7	1107.8	1110.3	1107.8	1095.7	1093.2	1082.2	1063.9	1043.2	985.9
22.5°	1090.7	1095.7	1105.4	1104.2	1105.4	1095.7	1090.7	1073.6	1057.8	1043.2	1020.0
25°	1078.6	1078.6	1079.8	1081.0	1079.8	1078.6	1078.6	1065.2	1033.4	1029.8	1016.3
27.5°	1052.9	1055.4	1062.7	1061.5	1062.7	1055.4	1052.9	1048.1	1013.9	1010.2	1000.5
30°	1029.8	1027.3	1021.2	1016.3	1021.2	1027.3	1029.8	1022.4	988.3	978.5	981.0
32.5°	990.7	984.6	978.5	974.9	978.5	984.6	990.7	988.3	962.7	949.2	951.7
35°	944.4	945.6	944.4	940.7	944.4	945.6	944.4	946.8	930.9	918.7	917.6
37.5°	911.5	913.8	912.6	907.7	912.6	913.8	911.5	909.0	887.0	883.3	885.8
40°	877.3	878.4	877.3	873.6	877.3	878.4	877.3	872.3	841.9	843.1	851.6
42.5°	844.3	843.1	839.4	837.0	839.4	843.1	844.3	837.0	797.9	794.3	810.1
45°	806.5	807.7	800.4	796.8	800.4	807.7	806.5	801.6	761.4	751.5	762.5
47.5°	768.6	768.6	762.5	758.9	762.5	768.6	768.6	762.5	719.9	710.1	716.2
50°	728.4	727.2	718.6	717.4	718.6	727.2	728.4	724.7	679.6	671.0	671.0
52.5°	682.0	682.0	683.2	685.7	683.2	682.0	682.0	683.2	643.0	634.5	632.0
55°	641.7	643.0	651.6	653.9	651.6	643.0	641.7	641.7	605.2	596.6	591.7
57.5°	600.3	600.3	606.4	606.4	606.4	600.3	600.3	597.8	562.4	555.2	552.7
60°	552.7	555.2	560.1	558.8	560.1	555.2	552.7	550.2	519.8	514.9	506.3
62.5°	502.7	505.1	506.3	503.9	506.3	505.1	502.7	495.4	477.1	473.4	462.5
65°	450.2	452.6	453.9	451.5	453.9	452.6	450.2	446.5	433.2	427.1	417.3
67.5°	396.5	395.3	394.1	399.0	394.1	395.3	396.5	391.7	383.1	378.2	364.9
70°	341.7	341.7	340.4	342.8	340.4	341.7	341.7	337.9	333.1	329.5	317.2
72.5°	283.1	281.8	286.7	283.1	286.7	281.8	283.1	281.8	279.4	275.7	263.5
75°	225.7	228.1	225.7	229.4	225.7	228.1	225.7	227.0	225.7	223.3	214.8
77.5°	172.0	174.5	172.0	172.0	172.0	174.5	172.0	173.3	173.3	173.3	165.9
80°	122.0	120.8	120.8	119.5	120.8	120.8	122.0	122.0	123.3	120.8	118.3
82.5°	78.0	76.9	76.9	79.3	76.9	76.9	78.0	79.3	76.9	76.9	76.9
85°	42.7	43.9	41.5	41.5	41.5	43.9	42.7	40.3	42.7	42.7	41.5
87.5°	15.8	14.6	14.6	14.6	14.6	14.6	15.8	17.1	17.1	17.1	18.3
90°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	28.6	38.1	42.8	36.8
92.5°	107.2	102.9	85.9	68.8	85.9	102.9	107.2	151.9	211.6	241.4	211.9
95°	363.8	350.8	299.3	247.6	299.3	350.8	363.8	477.7	629.6	705.5	595.8
97.5°	839.8	815.2	716.9	618.6	716.9	815.2	839.8	911.7	1007.7	1055.7	872.9
100°	1179.3	1150.0	1033.0	915.9	1033.0	1150.0	1179.3	1174.0	1167.0	1163.4	960.6
102.5°	1469.2	1444.0	1343.8	1243.6	1343.8	1444.0	1469.2	1377.4	1255.0	1193.9	988.1
105°	1807.4	1794.0	1740.0	1686.2	1740.0	1794.0	1807.4	1601.8	1327.6	1190.5	991.2
107.5°	1983.5	1986.7	1999.7	2012.8	1999.7	1986.7	1983.5	1696.6	1314.1	1122.9	947.1
110°	2028.6	2042.6	2098.8	2154.9	2098.8	2042.6	2028.6	1707.8	1280.2	1066.5	908.0

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1999.8	2021.4	2107.5	2193.8	2107.5	2021.4	1999.8	1671.6	1234.0	1015.2	873.9
115°	1902.2	1932.2	2051.7	2171.2	2051.7	1932.2	1902.2	1586.0	1164.4	953.7	834.7
117.5°	1767.4	1800.5	1933.2	2065.8	1933.2	1800.5	1767.4	1482.1	1101.6	911.4	810.2
120°	1676.6	1708.8	1837.7	1966.5	1837.7	1708.8	1676.6	1415.9	1068.3	894.4	801.9
122.5°	1585.9	1617.6	1744.7	1871.8	1744.7	1617.6	1585.9	1351.1	1038.0	881.4	797.6
125°	1465.7	1495.0	1612.1	1729.1	1612.1	1495.0	1465.7	1266.2	1000.3	867.3	794.0
127.5°	1369.3	1393.9	1492.7	1591.5	1492.7	1393.9	1369.3	1198.0	969.7	855.5	792.0
130°	1308.4	1331.3	1422.4	1513.6	1422.4	1331.3	1308.4	1156.0	952.7	851.1	793.3
132.5°	1256.5	1276.9	1358.6	1440.3	1358.6	1276.9	1256.5	1120.0	938.0	847.1	794.0
135°	1183.2	1200.8	1271.2	1341.6	1271.2	1200.8	1183.2	1068.9	916.6	840.3	793.3
137.5°	1129.0	1143.4	1201.1	1258.8	1201.1	1143.4	1129.0	1032.4	903.5	839.1	798.2
140°	1085.7	1099.1	1153.1	1206.9	1153.1	1099.1	1085.7	1002.1	890.9	835.2	799.0
142.5°	1055.2	1066.7	1113.1	1159.5	1113.1	1066.7	1055.2	981.9	884.1	835.2	801.9
145°	1009.5	1018.2	1053.4	1088.5	1053.4	1018.2	1009.5	949.6	869.6	829.6	801.9
147.5°	971.1	978.4	1007.4	1036.5	1007.4	978.4	971.1	923.9	861.1	829.6	807.4
150°	949.1	955.0	978.6	1002.1	978.6	955.0	949.1	909.3	856.2	829.6	810.3
152.5°	931.7	936.1	953.8	971.7	953.8	936.1	931.7	897.6	852.2	829.6	812.1
155°	910.8	913.7	925.6	937.3	925.6	913.7	910.8	883.7	847.6	829.6	816.3
157.5°	892.7	894.8	903.1	911.4	903.1	894.8	892.7	871.7	843.6	829.6	820.4
160°	883.7	884.9	889.7	894.4	889.7	884.9	883.7	865.7	841.6	829.6	822.3
162.5°	875.3	876.3	880.9	885.4	880.9	876.3	875.3	860.1	839.8	829.6	824.3
165°	862.3	863.5	868.2	873.0	868.2	863.5	862.3	851.4	836.9	829.6	827.2
167.5°	856.7	857.2	859.2	861.2	859.2	857.2	856.7	849.5	840.0	835.2	833.2
170°	856.7	856.7	856.7	856.7	856.7	856.7	856.7	849.5	840.0	835.2	835.1
172.5°	852.1	851.7	850.0	848.2	850.0	851.7	852.1	846.5	839.0	835.2	835.2
175°	846.0	846.0	846.0	846.0	846.0	846.0	846.0	842.4	837.6	835.2	836.3
177.5°	844.8	844.3	842.3	840.3	842.3	844.3	844.8	842.0	838.2	836.3	837.2
180°	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1289.7	1289.7	1289.7	1289.7	1289.7
2.5°	1273.8	1279.9	1283.6	1288.4	1300.6
5°	1225.0	1248.2	1255.5	1273.8	1295.8
7.5°	1117.6	1188.3	1207.9	1251.8	1286.0
10°	1013.9	1084.7	1118.9	1222.6	1273.8
12.5°	961.4	1003.0	1026.1	1171.3	1256.7
15°	928.5	957.8	974.9	1102.9	1237.2
17.5°	902.9	923.6	935.8	1035.9	1210.4
20°	887.0	896.8	907.7	987.0	1179.8
22.5°	876.1	870.0	878.4	952.9	1138.3
25°	868.7	845.5	855.3	926.1	1089.6
27.5°	874.8	823.6	827.2	901.6	1038.4
30°	876.1	796.8	797.9	876.1	981.0
32.5°	867.5	768.6	769.9	844.3	916.3
35°	846.8	735.7	734.5	807.7	828.4
37.5°	818.7	700.3	700.3	767.5	732.1
40°	784.6	664.9	668.6	715.0	646.7
42.5°	743.1	627.1	632.0	645.5	583.2
45°	697.9	590.5	594.2	545.4	534.4
47.5°	647.8	552.7	554.0	452.6	518.6
50°	588.1	513.7	508.8	388.0	517.3
52.5°	535.6	470.9	456.3	351.4	469.7
55°	484.4	425.8	394.1	323.3	435.5
57.5°	439.3	367.2	336.7	290.4	428.3
60°	397.8	309.9	286.7	255.0	392.9
62.5°	363.6	267.2	262.3	230.6	356.3
65°	327.0	238.0	236.7	209.9	302.5
67.5°	291.6	218.4	217.2	190.3	230.6
70°	253.8	197.7	195.2	169.6	170.8
72.5°	214.8	174.5	172.0	152.5	141.5
75°	175.7	147.6	146.5	133.0	114.7
77.5°	137.9	117.2	119.5	107.3	84.2
80°	98.8	85.4	87.9	76.9	63.4
82.5°	65.9	56.1	58.6	48.8	42.7
85°	36.6	31.7	32.9	25.7	19.6
87.5°	17.1	14.6	14.6	9.7	6.1
90°	24.8	15.8	14.7	10.2	5.6
92.5°	153.1	108.9	99.3	60.9	22.6
95°	376.5	212.0	194.5	124.3	54.1
97.5°	507.2	233.0	217.5	155.5	93.6
100°	554.8	250.4	236.4	180.2	124.1
102.5°	576.5	267.9	254.8	202.4	150.0
105°	592.7	293.8	282.7	238.4	194.0
107.5°	595.7	332.2	321.8	280.5	239.1
110°	591.2	353.6	344.2	306.9	269.6

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CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	591.4	379.5	370.6	335.0	299.5
115°	596.8	418.4	410.2	377.4	344.6
117.5°	608.0	456.3	448.8	419.0	389.1
120°	616.9	478.2	471.2	443.1	415.1
122.5°	629.9	504.2	497.1	468.8	440.4
125°	647.4	537.4	531.0	505.2	479.4
127.5°	664.9	569.6	563.1	537.0	510.9
130°	677.7	591.0	584.0	555.9	527.9
132.5°	688.0	608.5	601.5	573.4	545.3
135°	699.3	628.8	622.5	596.8	571.3
137.5°	716.2	654.8	648.4	623.1	597.8
140°	726.5	672.2	666.4	643.1	619.8
142.5°	735.3	685.2	679.9	658.3	636.7
145°	746.5	705.0	700.2	681.5	662.7
147.5°	763.1	729.8	725.3	706.9	688.6
150°	771.6	742.7	738.6	722.1	705.5
152.5°	777.3	751.2	748.1	735.5	723.0
155°	789.7	769.8	767.5	758.2	748.9
157.5°	802.1	788.4	786.1	777.1	768.1
160°	807.8	796.8	795.1	788.1	781.1
162.5°	813.9	805.9	804.6	799.3	794.0
165°	822.4	818.9	817.7	812.9	808.1
167.5°	829.2	826.2	825.7	823.4	821.1
170°	834.9	834.7	834.1	831.9	829.6
172.5°	835.2	835.2	835.1	834.6	834.1
175°	838.6	840.3	840.3	840.3	840.3
177.5°	839.0	840.3	840.3	840.3	840.3
180°	840.3	840.3	840.3	840.3	840.3

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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	9.81	10.57	10.86	11.63	13.06	12.64	13.41	13.70	14.46	15.90
	3H	10.28	10.96	11.34	12.03	13.48	13.98	14.67	15.05	15.73	17.19
	4H	10.46	11.11	11.54	12.18	13.64	14.43	15.07	15.50	16.14	17.60
	6H	10.58	11.17	11.66	12.24	13.71	14.71	15.30	15.79	16.38	17.85
	8H	10.57	11.14	11.66	12.23	13.69	14.78	15.35	15.87	16.44	17.90
	12H	10.54	11.08	11.63	12.16	13.65	14.82	15.36	15.91	16.44	17.92
4H	2H	10.83	11.48	11.91	12.54	14.00	13.04	13.69	14.12	14.76	16.21
	3H	11.85	12.39	12.94	13.48	14.95	14.54	15.08	15.63	16.18	17.65
	4H	12.12	12.61	13.21	13.70	15.19	15.07	15.56	16.16	16.65	18.14
	6H	12.24	12.66	13.34	13.77	15.26	15.43	15.85	16.53	16.96	18.45
	8H	12.24	12.64	13.34	13.74	15.24	15.53	15.93	16.63	17.03	18.53
	12H	12.20	12.56	13.32	13.68	15.18	15.59	15.94	16.71	17.06	18.56
8H	4H	12.57	12.96	13.67	14.06	15.56	15.18	15.58	16.28	16.68	18.18
	6H	12.82	13.15	13.95	14.29	15.79	15.62	15.94	16.74	17.09	18.58
	8H	12.86	13.15	13.99	14.28	15.79	15.77	16.06	16.90	17.18	18.70
	12H	12.84	13.10	13.98	14.22	15.77	15.86	16.12	17.00	17.24	18.79
12H	4H	12.57	12.93	13.69	14.04	15.55	15.14	15.50	16.26	16.61	18.12
	6H	12.88	13.17	14.01	14.29	15.81	15.61	15.90	16.74	17.02	18.54
	8H	12.95	13.20	14.08	14.32	15.87	15.77	16.02	16.90	17.14	18.70

END OF REPORT