

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: P934930

Luminaire Tested: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934930
REPORT IS A COMBINATION OF REPORTS P933717 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-6500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

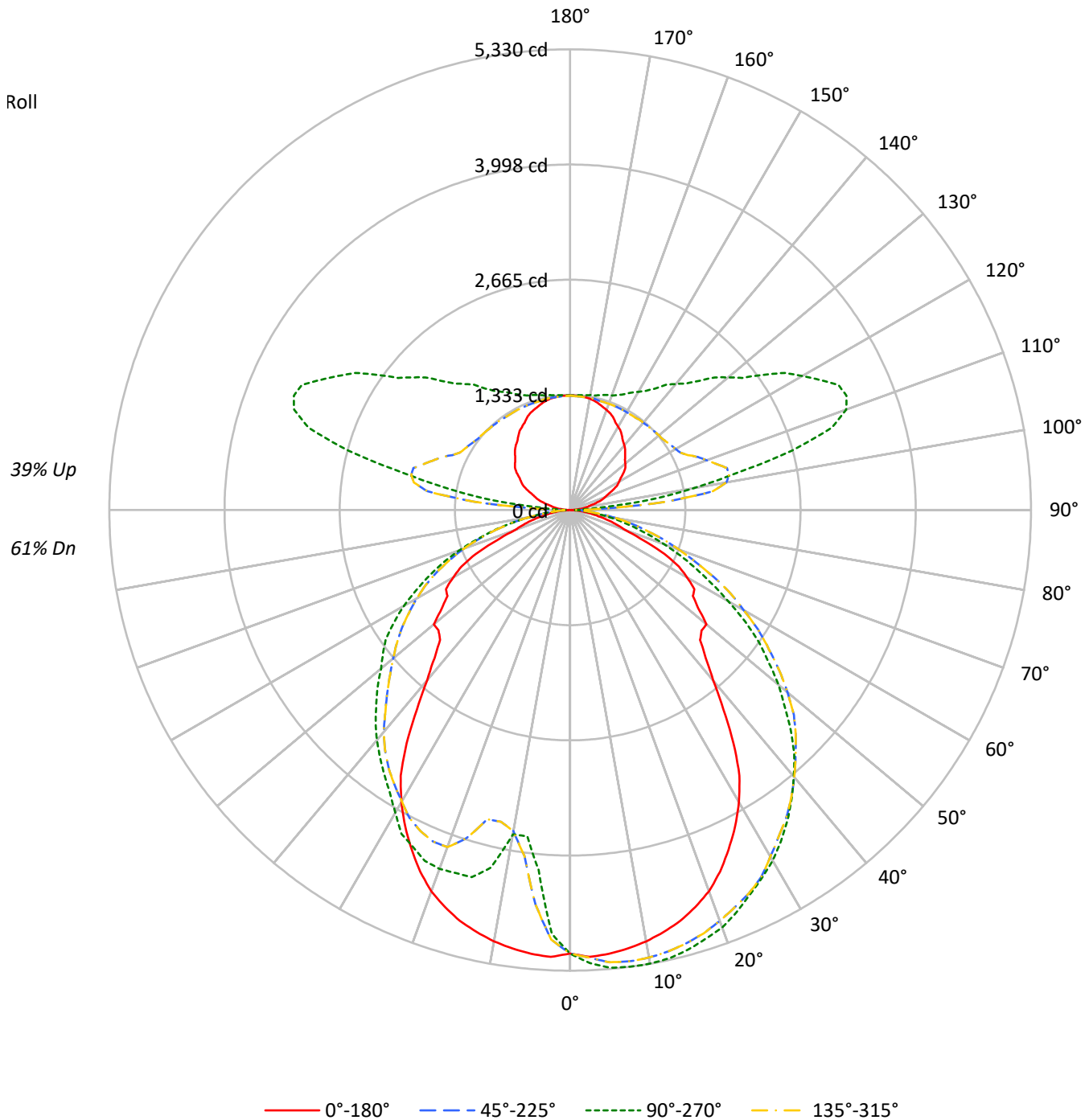
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21897.8 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 186
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61
1	100	96	92	88	94	90	86	83	79	76	74	68	66	65	59	57	56	51
2	91	84	78	72	85	79	73	68	69	65	61	60	57	54	52	49	47	43
3	83	74	66	60	78	69	63	57	61	56	51	53	49	46	46	43	40	36
4	76	65	57	51	71	61	54	49	54	48	44	47	43	39	41	37	35	31
5	70	58	50	44	65	55	47	42	48	42	38	42	38	34	37	33	30	27
6	65	52	44	38	60	49	42	36	44	37	33	38	33	30	33	29	26	24
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	19
9	52	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15870	15870	15870	15870
5°	15994	16020	15994	12597
10°	15894	15781	15894	11282
15°	15727	15439	15727	12892
20°	15404	15034	15404	12919
25°	14737	14443	14737	12645
30°	13872	13953	13872	12044
35°	12373	13332	12373	11383
40°	10316	12602	10316	10884
45°	9223	11747	9223	10310
50°	9807	10728	9807	9734
55°	9235	9629	9235	9401
60°	9532	8178	9532	8610
65°	8656	6761	8656	7557
70°	6008	5387	6008	6334
75°	5289	3983	5289	4769
80°	4293	2633	4293	2867
85°	2514	1395	2514	1185

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14127 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	463.2	2.1
10°-20°	1315.0	6.0
20°-30°	2032.8	9.3
30°-40°	2426.7	11.1
40°-50°	2440.9	11.1
50°-60°	2123.9	9.7
60°-70°	1505.9	6.9
70°-80°	796.7	3.6
80°-90°	203.5	0.9
90°-100°	645.8	2.9
100°-110°	1698.0	7.8
110°-120°	1760.6	8.0
120°-130°	1412.2	6.4
130°-140°	1108.1	5.1
140°-150°	850.5	3.9
150°-160°	612.5	2.8
160°-170°	374.8	1.7
170°-180°	126.6	0.6
0°-30°	3811.0	17.4
0°-40°	6237.7	28.5
0°-60°	10802.5	49.3
0°-90°	13308.6	60.8
90°-120°	4104.5	18.7
90°-150°	7475.3	34.1
90°-180°	8589.0	39.2
0°-180°	21897.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5131	5131	5131	5131	5131	
5°	5155	5315	5155	4180	5155	489
15°	4922	5267	4922	4398	4922	1385
25°	4335	4912	4335	4301	4335	1990
35°	3296	4383	3296	3743	3296	2039
45°	2126	3612	2126	3170	2126	1703
55°	1733	2665	1733	2602	1733	1592
65°	1204	1607	1204	1796	1204	1151
75°	456	762	456	913	456	480
85°	78	194	78	165	78	105
90°	9	34	9	34	9	11
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	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	5174.6	5174.6	5203.7	5213.5	5213.5	5198.8	5184.3	5198.8	5242.5	5257.1	5252.3
5°	5155.1	5194.0	5247.4	5257.1	5266.8	5261.9	5252.3	5261.9	5310.5	5320.3	5325.0
7.5°	5116.3	5189.2	5257.1	5271.7	5286.2	5271.7	5266.8	5276.6	5325.0	5334.8	5334.8
10°	5067.8	5169.8	5247.4	5257.1	5271.7	5257.1	5257.1	5276.6	5325.0	5334.8	5339.7
12.5°	4999.8	5140.6	5213.5	5223.1	5242.5	5237.6	5232.9	5252.3	5300.8	5310.5	5310.5
15°	4922.2	5087.2	5155.1	5164.9	5198.8	5189.2	5189.2	5208.6	5261.9	5276.6	5271.7
17.5°	4815.4	5019.2	5096.9	5111.5	5135.7	5130.9	5135.7	5155.1	5203.7	5213.5	5218.2
20°	4694.0	4927.0	5019.2	5033.8	5058.1	5058.1	5058.1	5082.4	5130.9	5150.3	5150.3
22.5°	4529.0	4829.9	4927.0	4936.7	4965.9	4965.9	4975.6	5009.5	5053.2	5058.1	5058.1
25°	4334.8	4723.1	4805.6	4834.8	4864.0	4878.5	4893.0	4912.4	4927.0	4922.2	4927.0
27.5°	4130.9	4587.2	4694.0	4713.5	4752.3	4766.8	4786.2	4791.1	4796.0	4810.5	4800.9
30°	3902.8	4397.9	4558.1	4577.5	4640.6	4650.3	4630.9	4640.6	4664.9	4674.6	4684.3
32.5°	3645.5	4116.4	4417.3	4461.0	4519.3	4490.2	4485.3	4499.8	4538.7	4538.7	4548.4
35°	3296.0	3897.9	4286.2	4325.1	4368.8	4334.8	4354.2	4359.1	4383.4	4397.9	4393.0
37.5°	2912.6	3708.6	4150.4	4179.5	4213.5	4169.8	4198.9	4213.5	4232.9	4223.1	4223.1
40°	2572.7	3412.5	3990.2	4009.6	4038.7	4004.7	4033.9	4043.5	4053.3	4043.5	4038.7
42.5°	2320.3	3087.3	3820.3	3844.6	3825.2	3849.3	3859.1	3878.5	3864.0	3844.6	3844.6
45°	2126.1	2999.9	3635.8	3664.9	3635.8	3674.6	3689.2	3689.2	3645.5	3635.8	3631.0
47.5°	2063.1	2825.2	3451.4	3451.4	3436.7	3485.3	3509.6	3475.6	3432.0	3417.3	3417.3
50°	2058.2	2631.0	3198.9	3179.5	3247.4	3305.8	3281.5	3247.4	3213.5	3160.1	3160.1
52.5°	1868.9	2393.2	2873.6	2946.5	3053.3	3087.3	3048.4	3014.5	2956.2	2932.0	2912.6
55°	1732.9	2145.6	2577.6	2723.2	2834.8	2878.5	2805.8	2771.7	2684.4	2669.8	2660.1
57.5°	1703.8	1786.4	2305.8	2490.2	2626.1	2621.3	2577.6	2514.5	2441.6	2427.1	2422.2
60°	1563.1	1291.2	2014.5	2232.9	2373.7	2359.1	2320.3	2262.1	2194.1	2184.4	2174.7
62.5°	1417.5	936.9	1684.4	1932.0	2131.0	2126.1	2092.2	2004.8	1956.3	1932.0	1912.6
65°	1203.8	786.4	1199.0	1606.8	1893.2	1902.8	1830.1	1766.9	1713.5	1684.4	1679.6
67.5°	917.5	640.7	810.7	1339.7	1665.0	1655.3	1563.1	1533.9	1465.9	1451.4	1422.2
70°	679.6	427.1	563.1	1087.4	1441.7	1417.5	1344.6	1310.7	1247.5	1213.5	1194.1
72.5°	563.1	344.6	412.6	844.6	1213.5	1184.4	1121.3	1082.5	1029.1	1000.0	980.6
75°	456.3	364.0	315.5	626.2	985.4	965.9	907.7	868.9	825.2	786.4	791.2
77.5°	335.0	339.8	252.4	461.2	781.5	752.4	718.4	669.9	650.5	611.7	611.7
80°	252.4	267.0	189.3	315.5	563.1	563.1	533.9	500.0	466.0	446.5	446.5
82.5°	169.9	169.9	140.8	199.0	383.5	368.9	349.5	339.8	320.4	310.7	310.7
85°	77.6	97.1	87.4	121.3	208.7	218.4	218.4	208.7	203.9	194.2	199.0
87.5°	24.3	43.7	53.4	68.0	106.8	111.7	116.5	116.5	116.5	121.3	121.3
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



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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



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	5261.9	5247.4	5261.9	5252.3	5257.1	5242.5	5198.8	5184.3	5198.8	5213.5	5213.5
5°	5325.0	5315.4	5325.0	5325.0	5320.3	5310.5	5261.9	5252.3	5261.9	5266.8	5257.1
7.5°	5344.4	5329.9	5344.4	5334.8	5334.8	5325.0	5276.6	5266.8	5271.7	5286.2	5271.7
10°	5344.4	5329.9	5344.4	5339.7	5334.8	5325.0	5276.6	5257.1	5257.1	5271.7	5257.1
12.5°	5320.3	5310.5	5320.3	5310.5	5310.5	5300.8	5252.3	5232.9	5237.6	5242.5	5223.1
15°	5281.3	5266.8	5281.3	5271.7	5276.6	5261.9	5208.6	5189.2	5189.2	5198.8	5164.9
17.5°	5223.1	5203.7	5223.1	5218.2	5213.5	5203.7	5155.1	5135.7	5130.9	5135.7	5111.5
20°	5155.1	5140.6	5155.1	5150.3	5150.3	5130.9	5082.4	5058.1	5058.1	5058.1	5033.8
22.5°	5048.4	5033.8	5048.4	5058.1	5058.1	5053.2	5009.5	4975.6	4965.9	4965.9	4936.7
25°	4927.0	4912.4	4927.0	4927.0	4922.2	4927.0	4912.4	4893.0	4878.5	4864.0	4834.8
27.5°	4810.5	4800.9	4810.5	4800.9	4810.5	4796.0	4791.1	4786.2	4766.8	4752.3	4713.5
30°	4694.0	4684.3	4694.0	4684.3	4674.6	4664.9	4640.6	4630.9	4650.3	4640.6	4577.5
32.5°	4548.4	4538.7	4548.4	4548.4	4538.7	4538.7	4499.8	4485.3	4490.2	4519.3	4461.0
35°	4397.9	4383.4	4397.9	4393.0	4397.9	4383.4	4359.1	4354.2	4334.8	4368.8	4325.1
37.5°	4223.1	4208.6	4223.1	4223.1	4223.1	4232.9	4213.5	4198.9	4169.8	4213.5	4179.5
40°	4043.5	4024.1	4043.5	4038.7	4043.5	4053.3	4043.5	4033.9	4004.7	4038.7	4009.6
42.5°	3839.7	3834.8	3839.7	3844.6	3844.6	3864.0	3878.5	3859.1	3849.3	3825.2	3844.6
45°	3621.2	3611.5	3621.2	3631.0	3635.8	3645.5	3689.2	3689.2	3674.6	3635.8	3664.9
47.5°	3388.3	3364.0	3388.3	3417.3	3417.3	3432.0	3475.6	3509.6	3485.3	3436.7	3451.4
50°	3140.7	3145.5	3140.7	3160.1	3160.1	3213.5	3247.4	3281.5	3305.8	3247.4	3179.5
52.5°	2897.9	2893.2	2897.9	2912.6	2932.0	2956.2	3014.5	3048.4	3087.3	3053.3	2946.5
55°	2655.3	2665.0	2655.3	2660.1	2669.8	2684.4	2771.7	2805.8	2878.5	2834.8	2723.2
57.5°	2412.6	2397.9	2412.6	2422.2	2427.1	2441.6	2514.5	2577.6	2621.3	2626.1	2490.2
60°	2131.0	2111.6	2131.0	2174.7	2184.4	2194.1	2262.1	2320.3	2359.1	2373.7	2232.9
62.5°	1883.4	1849.5	1883.4	1912.6	1932.0	1956.3	2004.8	2092.2	2126.1	2131.0	1932.0
65°	1621.3	1606.8	1621.3	1679.6	1684.4	1713.5	1766.9	1830.1	1902.8	1893.2	1606.8
67.5°	1383.4	1383.4	1383.4	1422.2	1451.4	1465.9	1533.9	1563.1	1655.3	1665.0	1339.7
70°	1165.0	1160.1	1165.0	1194.1	1213.5	1247.5	1310.7	1344.6	1417.5	1441.7	1087.4
72.5°	956.3	951.4	956.3	980.6	1000.0	1029.1	1082.5	1121.3	1184.4	1213.5	844.6
75°	771.8	762.1	771.8	791.2	786.4	825.2	868.9	907.7	965.9	985.4	626.2
77.5°	592.2	592.2	592.2	611.7	611.7	650.5	669.9	718.4	752.4	781.5	461.2
80°	441.8	436.9	441.8	446.5	446.5	466.0	500.0	533.9	563.1	563.1	315.5
82.5°	310.7	300.9	310.7	310.7	310.7	320.4	339.8	349.5	368.9	383.5	199.0
85°	194.2	194.2	194.2	199.0	194.2	203.9	208.7	218.4	218.4	208.7	121.3
87.5°	126.2	121.3	126.2	121.3	121.3	116.5	116.5	116.5	111.7	106.8	68.0
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: P934930

CATALOG NUMBER: SQ4-FA-075U-125D-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



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	5203.7	5174.6	5174.6	5126.1	5106.6	5092.1	5067.8	4995.0	4975.6	4956.1	4985.3
5°	5247.4	5194.0	5155.1	5067.8	4995.0	4965.9	4873.6	4698.8	4582.4	4495.0	4446.5
7.5°	5257.1	5189.2	5116.3	4980.4	4805.6	4728.0	4446.5	4126.1	4038.7	3961.0	3912.5
10°	5247.4	5169.8	5067.8	4864.0	4451.3	4315.4	4033.9	3825.2	3771.7	3757.2	3771.7
12.5°	5213.5	5140.6	4999.8	4660.0	4082.4	3990.2	3825.2	3703.7	3694.1	3718.3	3849.3
15°	5155.1	5087.2	4922.2	4388.2	3878.5	3810.5	3694.1	3650.4	3703.7	3873.6	4266.8
17.5°	5096.9	5019.2	4815.4	4121.2	3723.2	3674.6	3592.1	3679.5	3980.4	4208.6	4339.7
20°	5019.2	4927.0	4694.0	3927.1	3611.5	3567.8	3529.0	3922.2	4150.4	4232.9	4305.6
22.5°	4927.0	4829.9	4529.0	3791.1	3495.1	3461.0	3485.3	4058.1	4150.4	4208.6	4271.7
25°	4805.6	4723.1	4334.8	3684.3	3402.8	3364.0	3456.2	4043.5	4096.9	4111.5	4237.8
27.5°	4694.0	4587.2	4130.9	3587.3	3291.1	3276.6	3480.4	3980.4	4019.3	4033.9	4169.8
30°	4558.1	4397.9	3902.8	3485.3	3174.7	3169.8	3485.3	3902.8	3893.0	3931.9	4067.8
32.5°	4417.3	4116.4	3645.5	3359.1	3063.0	3058.2	3451.4	3786.2	3776.6	3829.9	3931.9
35°	4286.2	3897.9	3296.0	3213.5	2922.2	2927.1	3368.9	3650.4	3655.2	3703.7	3766.8
37.5°	4150.4	3708.6	2912.6	3053.3	2786.3	2786.3	3257.2	3524.1	3514.5	3529.0	3616.4
40°	3990.2	3412.5	2572.7	2844.6	2660.1	2645.5	3121.3	3388.3	3354.2	3349.4	3470.8
42.5°	3820.3	3087.3	2320.3	2567.9	2514.5	2495.1	2956.2	3223.2	3160.1	3174.7	3329.9
45°	3635.8	2999.9	2126.1	2169.8	2364.0	2349.5	2776.6	3033.9	2990.2	3029.0	3189.2
47.5°	3451.4	2825.2	2063.1	1800.9	2203.8	2199.0	2577.6	2849.5	2825.2	2864.0	3033.9
50°	3198.9	2631.0	2058.2	1543.7	2024.2	2043.6	2339.7	2669.8	2669.8	2703.8	2883.4
52.5°	2873.6	2393.2	1868.9	1398.0	1815.4	1873.8	2131.0	2514.5	2524.2	2558.2	2718.4
55°	2577.6	2145.6	1732.9	1286.4	1567.9	1694.1	1927.1	2354.2	2373.7	2407.7	2553.3
57.5°	2305.8	1786.4	1703.8	1155.3	1339.7	1461.2	1747.5	2199.0	2208.7	2237.8	2378.5
60°	2014.5	1291.2	1563.1	1014.5	1140.7	1233.0	1582.5	2014.5	2048.5	2067.9	2189.2
62.5°	1684.4	936.9	1417.5	917.5	1043.7	1063.1	1446.5	1839.7	1883.4	1897.9	1970.8
65°	1199.0	786.4	1203.8	834.9	941.8	946.5	1300.9	1660.1	1699.0	1723.3	1776.6
67.5°	810.7	640.7	917.5	757.2	864.0	868.9	1160.1	1451.4	1504.8	1524.3	1558.2
70°	563.1	427.1	679.6	674.7	776.7	786.4	1009.6	1262.1	1310.7	1325.2	1344.6
72.5°	412.6	344.6	563.1	606.8	684.4	694.2	854.4	1048.5	1097.0	1111.6	1121.3
75°	315.5	364.0	456.3	529.1	582.5	587.4	699.0	854.4	888.3	898.1	902.8
77.5°	252.4	339.8	335.0	427.1	475.7	466.0	548.6	660.2	689.3	689.3	689.3
80°	189.3	267.0	252.4	305.8	349.5	339.8	393.2	470.8	480.6	490.2	485.5
82.5°	140.8	169.9	169.9	194.2	233.0	223.3	262.1	305.8	305.8	305.8	315.5
85°	87.4	97.1	77.6	101.9	131.1	126.2	145.6	165.0	169.9	169.9	160.2
87.5°	53.4	43.7	24.3	38.8	58.2	58.2	68.0	72.8	68.0	68.0	68.0
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: P934930

CATALOG NUMBER: SQ4-FA-075U-125D-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: P934930
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	4951.3	4936.7	4956.1	4902.8	4956.1	4936.7	4951.3	4985.3	4956.1	4975.6	4995.0
5°	4344.6	4320.3	4242.5	4179.5	4242.5	4320.3	4344.6	4446.5	4495.0	4582.4	4698.8
7.5°	3883.4	3864.0	3844.6	3805.7	3844.6	3864.0	3883.4	3912.5	3961.0	4038.7	4126.1
10°	3781.5	3786.2	3815.4	3810.5	3815.4	3786.2	3781.5	3771.7	3757.2	3771.7	3825.2
12.5°	4043.5	4087.2	4247.4	4237.8	4247.4	4087.2	4043.5	3849.3	3718.3	3694.1	3703.7
15°	4344.6	4359.1	4393.0	4397.9	4393.0	4359.1	4344.6	4266.8	3873.6	3703.7	3650.4
17.5°	4373.6	4378.5	4402.8	4402.8	4402.8	4378.5	4373.6	4339.7	4208.6	3980.4	3679.5
20°	4349.3	4359.1	4407.7	4417.3	4407.7	4359.1	4349.3	4305.6	4232.9	4150.4	3922.2
22.5°	4339.7	4359.1	4397.9	4393.0	4397.9	4359.1	4339.7	4271.7	4208.6	4150.4	4058.1
25°	4291.1	4291.1	4296.0	4300.9	4296.0	4291.1	4291.1	4237.8	4111.5	4096.9	4043.5
27.5°	4189.2	4198.9	4228.0	4223.1	4228.0	4198.9	4189.2	4169.8	4033.9	4019.3	3980.4
30°	4096.9	4087.2	4063.0	4043.5	4063.0	4087.2	4096.9	4067.8	3931.9	3893.0	3902.8
32.5°	3941.6	3917.3	3893.0	3878.5	3893.0	3917.3	3941.6	3931.9	3829.9	3776.6	3786.2
35°	3757.2	3762.0	3757.2	3742.6	3757.2	3762.0	3757.2	3766.8	3703.7	3655.2	3650.4
37.5°	3626.1	3635.8	3631.0	3611.5	3631.0	3635.8	3626.1	3616.4	3529.0	3514.5	3524.1
40°	3490.2	3495.1	3490.2	3475.6	3490.2	3495.1	3490.2	3470.8	3349.4	3354.2	3388.3
42.5°	3359.1	3354.2	3339.7	3329.9	3339.7	3354.2	3359.1	3329.9	3174.7	3160.1	3223.2
45°	3208.6	3213.5	3184.3	3169.8	3184.3	3213.5	3208.6	3189.2	3029.0	2990.2	3033.9
47.5°	3058.2	3058.2	3033.9	3019.3	3033.9	3058.2	3058.2	3033.9	2864.0	2825.2	2849.5
50°	2897.9	2893.2	2859.1	2854.2	2859.1	2893.2	2897.9	2883.4	2703.8	2669.8	2669.8
52.5°	2713.5	2713.5	2718.4	2728.0	2718.4	2713.5	2713.5	2718.4	2558.2	2524.2	2514.5
55°	2553.3	2558.2	2592.1	2601.9	2592.1	2558.2	2553.3	2553.3	2407.7	2373.7	2354.2
57.5°	2388.3	2388.3	2412.6	2412.6	2412.6	2388.3	2388.3	2378.5	2237.8	2208.7	2199.0
60°	2199.0	2208.7	2228.1	2223.2	2228.1	2208.7	2199.0	2189.2	2067.9	2048.5	2014.5
62.5°	2000.0	2009.6	2014.5	2004.8	2014.5	2009.6	2000.0	1970.8	1897.9	1883.4	1839.7
65°	1791.2	1800.9	1805.8	1796.0	1805.8	1800.9	1791.2	1776.6	1723.3	1699.0	1660.1
67.5°	1577.6	1572.7	1567.9	1587.3	1567.9	1572.7	1577.6	1558.2	1524.3	1504.8	1451.4
70°	1359.1	1359.1	1354.4	1364.0	1354.4	1359.1	1359.1	1344.6	1325.2	1310.7	1262.1
72.5°	1126.2	1121.3	1140.7	1126.2	1140.7	1121.3	1126.2	1121.3	1111.6	1097.0	1048.5
75°	898.1	907.7	898.1	912.6	898.1	907.7	898.1	902.8	898.1	888.3	854.4
77.5°	684.4	694.2	684.4	684.4	684.4	694.2	684.4	689.3	689.3	689.3	660.2
80°	485.5	480.6	480.6	475.7	480.6	480.6	485.5	485.5	490.2	480.6	470.8
82.5°	310.7	305.8	305.8	315.5	305.8	305.8	310.7	315.5	305.8	305.8	305.8
85°	169.9	174.8	165.0	165.0	165.0	174.8	169.9	160.2	169.9	169.9	165.0
87.5°	63.1	58.2	58.2	58.2	58.2	58.2	63.1	68.0	68.0	68.0	72.8
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



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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: P934930

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	5067.8	5092.1	5106.6	5126.1	5174.6
5°	4873.6	4965.9	4995.0	5067.8	5155.1
7.5°	4446.5	4728.0	4805.6	4980.4	5116.3
10°	4033.9	4315.4	4451.3	4864.0	5067.8
12.5°	3825.2	3990.2	4082.4	4660.0	4999.8
15°	3694.1	3810.5	3878.5	4388.2	4922.2
17.5°	3592.1	3674.6	3723.2	4121.2	4815.4
20°	3529.0	3567.8	3611.5	3927.1	4694.0
22.5°	3485.3	3461.0	3495.1	3791.1	4529.0
25°	3456.2	3364.0	3402.8	3684.3	4334.8
27.5°	3480.4	3276.6	3291.1	3587.3	4130.9
30°	3485.3	3169.8	3174.7	3485.3	3902.8
32.5°	3451.4	3058.2	3063.0	3359.1	3645.5
35°	3368.9	2927.1	2922.2	3213.5	3296.0
37.5°	3257.2	2786.3	2786.3	3053.3	2912.6
40°	3121.3	2645.5	2660.1	2844.6	2572.7
42.5°	2956.2	2495.1	2514.5	2567.9	2320.3
45°	2776.6	2349.5	2364.0	2169.8	2126.1
47.5°	2577.6	2199.0	2203.8	1800.9	2063.1
50°	2339.7	2043.6	2024.2	1543.7	2058.2
52.5°	2131.0	1873.8	1815.4	1398.0	1868.9
55°	1927.1	1694.1	1567.9	1286.4	1732.9
57.5°	1747.5	1461.2	1339.7	1155.3	1703.8
60°	1582.5	1233.0	1140.7	1014.5	1563.1
62.5°	1446.5	1063.1	1043.7	917.5	1417.5
65°	1300.9	946.5	941.8	834.9	1203.8
67.5°	1160.1	868.9	864.0	757.2	917.5
70°	1009.6	786.4	776.7	674.7	679.6
72.5°	854.4	694.2	684.4	606.8	563.1
75°	699.0	587.4	582.5	529.1	456.3
77.5°	548.6	466.0	475.7	427.1	335.0
80°	393.2	339.8	349.5	305.8	252.4
82.5°	262.1	223.3	233.0	194.2	169.9
85°	145.6	126.2	131.1	101.9	77.6
87.5°	68.0	58.2	58.2	38.8	24.3
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: P934930

CATALOG NUMBER: SQ4-FA-075U-125D-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: P934930
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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	15.36	16.32	16.21	17.20	18.31	18.21	19.17	19.07	20.05	21.16
	3H	15.84	16.71	16.71	17.60	18.73	19.57	20.43	20.44	21.32	22.46
	4H	16.04	16.86	16.92	17.75	18.90	20.02	20.84	20.91	21.74	22.88
	6H	16.16	16.92	17.06	17.82	18.98	20.32	21.07	21.22	21.97	23.13
	8H	16.16	16.88	17.07	17.81	18.96	20.40	21.12	21.30	22.04	23.19
	12H	16.14	16.82	17.05	17.74	18.92	20.44	21.13	21.36	22.04	23.22
4H	2H	16.41	17.23	17.30	18.12	19.27	18.63	19.45	19.52	20.34	21.49
	3H	17.44	18.13	18.35	19.05	20.21	20.15	20.83	21.05	21.76	22.92
	4H	17.72	18.35	18.64	19.27	20.46	20.69	21.31	21.60	22.23	23.42
	6H	17.85	18.39	18.78	19.34	20.53	21.06	21.60	21.99	22.55	23.74
	8H	17.86	18.36	18.79	19.31	20.51	21.18	21.68	22.11	22.62	23.82
	12H	17.83	18.29	18.79	19.25	20.45	21.24	21.69	22.19	22.65	23.86
8H	4H	18.19	18.69	19.12	19.63	20.83	20.82	21.32	21.75	22.26	23.46
	6H	18.46	18.87	19.41	19.85	21.05	21.27	21.68	22.22	22.66	23.86
	8H	18.50	18.87	19.47	19.84	21.06	21.42	21.79	22.39	22.76	23.98
	12H	18.49	18.81	19.46	19.78	21.04	21.53	21.85	22.50	22.82	24.09
12H	4H	18.20	18.65	19.15	19.61	20.82	20.79	21.24	21.74	22.20	23.41
	6H	18.52	18.89	19.49	19.86	21.08	21.26	21.63	22.23	22.60	23.82
	8H	18.59	18.91	19.56	19.88	21.15	21.43	21.76	22.40	22.72	23.99