

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: P934954

Luminaire Tested: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934954
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-93050-1D-UNV-STD-W-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

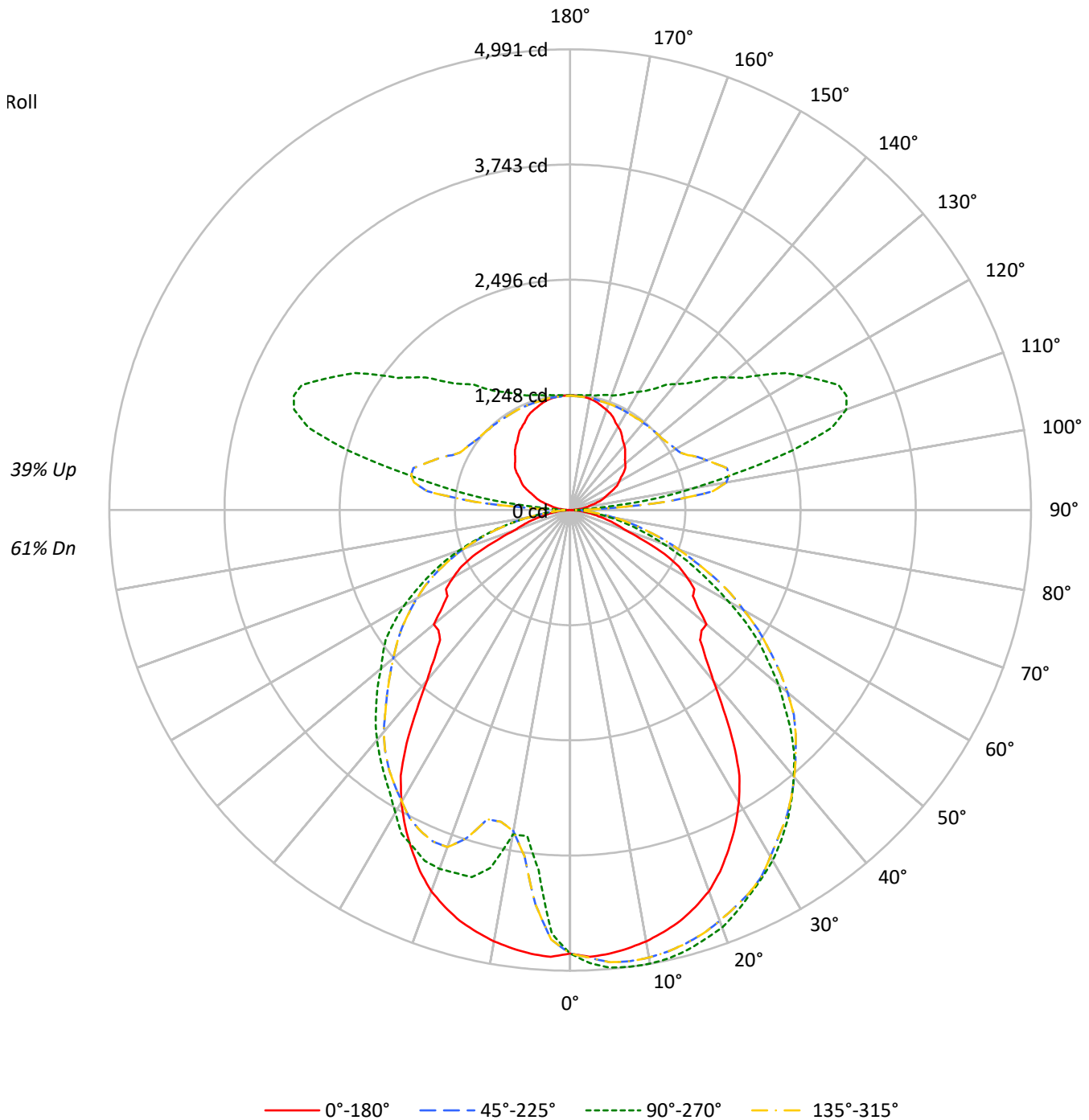
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20503.5 lumens
Efficiency: N/A
Efficacy: 110.2 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 (A_{in}): 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	50	30	10
RCR																				
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	66	66	61
1	100	96	92	88	94	90	86	83	79	76	74	68	66	65	59	57	56	56	56	51
2	91	84	78	72	85	79	73	68	69	65	61	60	57	54	52	49	47	47	47	43
3	83	74	66	60	78	69	63	57	61	56	51	53	49	46	46	43	40	40	40	36
4	76	65	57	51	71	61	54	49	54	48	44	47	43	39	41	37	35	35	35	31
5	70	58	50	44	65	55	47	42	48	42	38	42	38	34	37	33	30	30	30	27
6	65	52	44	38	60	49	42	36	44	37	33	38	33	30	33	29	26	26	26	24
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23	23	23	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	21	21	19
9	52	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	19	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17	17	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14860	14860	14860	14860
5°	14976	15000	14976	11795
10°	14882	14776	14882	10564
15°	14725	14456	14725	12071
20°	14423	14077	14423	12096
25°	13798	13523	13798	11840
30°	12989	13064	12989	11277
35°	11585	12483	11585	10659
40°	9659	11800	9659	10191
45°	8636	10999	8636	9654
50°	9182	10044	9182	9114
55°	8647	9016	8647	8803
60°	8925	7657	8925	8062
65°	8105	6330	8105	7076
70°	5626	5045	5626	5931
75°	4951	3729	4951	4465
80°	4021	2465	4021	2684
85°	2356	1306	2356	1110

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13228 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.7	2.1
10°-20°	1231.3	6.0
20°-30°	1903.4	9.3
30°-40°	2272.2	11.1
40°-50°	2285.5	11.1
50°-60°	1988.7	9.7
60°-70°	1410.0	6.9
70°-80°	746.0	3.6
80°-90°	190.5	0.9
90°-100°	604.7	2.9
100°-110°	1589.9	7.8
110°-120°	1648.5	8.0
120°-130°	1322.3	6.4
130°-140°	1037.6	5.1
140°-150°	796.4	3.9
150°-160°	573.5	2.8
160°-170°	350.9	1.7
170°-180°	118.6	0.6
0°-30°	3568.3	17.4
0°-40°	5840.5	28.5
0°-60°	10114.7	49.3
0°-90°	12461.2	60.8
90°-120°	3843.1	18.7
90°-150°	6999.4	34.1
90°-180°	8042.0	39.2
0°-180°	20503.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4804	4804	4804	4804	4804	
5°	4827	4977	4827	3913	4827	458
15°	4609	4932	4609	4118	4609	1297
25°	4059	4600	4059	4027	4059	1864
35°	3086	4104	3086	3504	3086	1909
45°	1991	3382	1991	2968	1991	1595
55°	1623	2495	1623	2436	1623	1491
65°	1127	1504	1127	1682	1127	1077
75°	427	714	427	854	427	449
85°	73	182	73	154	73	98
90°	8	32	8	32	8	10
95°	80	366	80	366	80	89
105°	286	2490	286	2490	286	304
115°	509	3206	509	3206	509	502
125°	708	2553	708	2553	708	628
135°	844	1981	844	1981	844	653
145°	978	1607	978	1607	978	613
155°	1106	1384	1106	1384	1106	508
165°	1193	1289	1193	1289	1193	337
175°	1241	1249	1241	1249	1241	118
180°	1241	1241	1241	1241	1241	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2
2.5°	4845.2	4845.2	4872.4	4881.5	4881.5	4867.8	4854.2	4867.8	4908.7	4922.4	4917.9
5°	4826.9	4863.3	4913.3	4922.4	4931.5	4926.9	4917.9	4926.9	4972.4	4981.5	4986.0
7.5°	4790.5	4858.8	4922.4	4936.0	4949.6	4936.0	4931.5	4940.6	4986.0	4995.1	4995.1
10°	4745.2	4840.6	4913.3	4922.4	4936.0	4922.4	4922.4	4940.6	4986.0	4995.1	4999.7
12.5°	4681.5	4813.3	4881.5	4890.6	4908.7	4904.2	4899.7	4917.9	4963.3	4972.4	4972.4
15°	4608.8	4763.3	4826.9	4836.0	4867.8	4858.8	4858.8	4876.9	4926.9	4940.6	4936.0
17.5°	4508.8	4699.7	4772.4	4786.1	4808.7	4804.2	4808.7	4826.9	4872.4	4881.5	4886.0
20°	4395.2	4613.3	4699.7	4713.3	4736.0	4736.0	4736.0	4758.8	4804.2	4822.4	4822.4
22.5°	4240.6	4522.4	4613.3	4622.4	4649.7	4649.7	4658.8	4690.5	4731.5	4736.0	4736.0
25°	4058.8	4422.4	4499.7	4527.0	4554.3	4567.9	4581.5	4599.7	4613.3	4608.8	4613.3
27.5°	3867.9	4295.2	4395.2	4413.4	4449.7	4463.3	4481.5	4486.1	4490.6	4504.2	4495.2
30°	3654.3	4117.9	4267.9	4286.0	4345.1	4354.3	4336.1	4345.1	4367.9	4377.0	4386.0
32.5°	3413.4	3854.3	4136.1	4177.0	4231.5	4204.3	4199.7	4213.3	4249.7	4249.7	4258.8
35°	3086.1	3649.7	4013.3	4049.7	4090.6	4058.8	4077.0	4081.5	4104.3	4117.9	4113.3
37.5°	2727.1	3472.5	3886.1	3913.4	3945.2	3904.3	3931.6	3945.2	3963.4	3954.2	3954.2
40°	2408.9	3195.2	3736.1	3754.3	3781.5	3749.7	3777.1	3786.1	3795.2	3786.1	3781.5
42.5°	2172.6	2890.7	3577.0	3599.8	3581.6	3604.3	3613.4	3631.6	3618.0	3599.8	3599.8
45°	1990.7	2808.9	3404.3	3431.6	3404.3	3440.7	3454.3	3454.3	3413.4	3404.3	3399.8
47.5°	1931.7	2645.3	3231.6	3231.6	3217.9	3263.4	3286.2	3254.3	3213.5	3199.8	3199.8
50°	1927.2	2463.5	2995.3	2977.1	3040.7	3095.3	3072.5	3040.7	3008.9	2958.9	2958.9
52.5°	1749.9	2240.8	2690.7	2758.9	2858.9	2890.7	2854.3	2822.6	2767.9	2745.3	2727.1
55°	1622.6	2009.0	2413.5	2549.8	2654.3	2695.2	2627.1	2595.2	2513.5	2499.8	2490.8
57.5°	1595.4	1672.6	2159.0	2331.7	2458.9	2454.4	2413.5	2354.4	2286.2	2272.6	2268.0
60°	1463.6	1209.0	1886.2	2090.7	2222.6	2208.9	2172.6	2118.0	2054.4	2045.3	2036.2
62.5°	1327.2	877.2	1577.2	1809.0	1995.3	1990.7	1958.9	1877.1	1831.7	1809.0	1790.8
65°	1127.2	736.3	1122.6	1504.5	1772.6	1781.7	1713.5	1654.4	1604.4	1577.2	1572.6
67.5°	859.1	599.9	759.0	1254.4	1559.0	1549.9	1463.6	1436.3	1372.6	1359.0	1331.7
70°	636.3	399.9	527.2	1018.1	1349.9	1327.2	1259.0	1227.2	1168.1	1136.2	1118.1
72.5°	527.2	322.7	386.3	790.8	1136.2	1109.0	1049.9	1013.6	963.5	936.3	918.1
75°	427.2	340.8	295.5	586.3	922.6	904.4	849.9	813.6	772.7	736.3	740.9
77.5°	313.6	318.2	236.4	431.8	731.7	704.5	672.6	627.3	609.1	572.7	572.7
80°	236.4	250.0	177.3	295.5	527.2	527.2	499.9	468.2	436.4	418.1	418.1
82.5°	159.1	159.1	131.8	186.3	359.1	345.4	327.2	318.2	300.0	290.9	290.9
85°	72.7	90.9	81.8	113.6	195.4	204.5	204.5	195.4	190.9	181.8	186.3
87.5°	22.7	40.9	50.0	63.7	100.0	104.6	109.0	109.0	109.0	113.6	113.6
90°	8.3	15.0	21.6	23.3	36.6	54.4	63.3	56.2	42.2	31.6	31.6
92.5°	33.3	89.9	146.6	160.7	225.9	312.8	356.3	312.3	224.3	158.2	151.9
95°	80.0	183.5	287.2	313.1	555.9	879.7	1041.6	929.5	705.2	537.0	517.9
97.5°	138.2	229.6	321.1	343.9	748.8	1288.7	1558.6	1487.7	1346.0	1239.7	1203.5
100°	183.2	266.1	349.0	369.7	819.0	1418.1	1717.7	1722.8	1733.2	1741.0	1697.8
102.5°	221.5	298.9	376.1	395.5	851.2	1458.8	1762.7	1852.9	2033.5	2169.0	2132.0
105°	286.4	351.9	417.4	433.8	875.1	1463.5	1757.7	1960.1	2365.0	2668.6	2648.7
107.5°	353.0	414.1	475.1	490.5	879.6	1398.4	1657.8	1940.1	2504.8	2928.3	2933.1
110°	398.0	453.1	508.3	522.1	872.8	1340.6	1574.5	1890.2	2521.5	2994.9	3015.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	442.1	494.7	547.2	560.4	873.2	1290.2	1498.8	1821.8	2467.9	2952.5	2984.3
115°	508.7	557.2	605.7	617.8	881.2	1232.4	1408.0	1719.2	2341.6	2808.4	2852.6
117.5°	574.5	618.6	662.5	673.5	897.6	1196.1	1345.5	1626.3	2188.1	2609.4	2658.4
120°	612.8	654.3	695.7	706.0	910.9	1184.0	1320.5	1577.1	2090.4	2475.4	2522.9
122.5°	650.3	692.1	733.9	744.4	930.1	1177.6	1301.3	1532.4	1994.7	2341.3	2388.2
125°	707.7	745.9	784.0	793.5	955.8	1172.3	1280.6	1476.9	1869.5	2164.0	2207.2
127.5°	754.4	792.9	831.4	841.0	981.7	1169.3	1263.1	1431.7	1768.8	2021.6	2058.1
130°	779.4	820.8	862.2	872.6	1000.5	1171.1	1256.4	1406.4	1706.6	1931.6	1965.3
132.5°	805.2	846.6	888.0	898.4	1015.7	1172.3	1250.6	1384.9	1653.6	1855.1	1885.3
135°	843.5	881.2	918.9	928.3	1032.5	1171.2	1240.6	1353.1	1578.1	1746.8	1772.8
137.5°	882.6	919.9	957.4	966.7	1057.5	1178.4	1238.9	1334.0	1524.3	1666.9	1688.2
140°	915.0	949.4	983.9	992.5	1072.7	1179.7	1233.1	1315.3	1479.6	1602.8	1622.7
142.5°	940.0	971.9	1003.6	1011.6	1085.5	1183.9	1233.1	1305.3	1449.6	1557.8	1574.9
145°	978.3	1006.1	1033.8	1040.8	1102.1	1183.9	1224.8	1283.8	1401.9	1490.4	1503.4
147.5°	1016.6	1043.7	1070.7	1077.4	1126.6	1192.0	1224.8	1271.3	1364.1	1433.8	1444.5
150°	1041.6	1066.0	1090.5	1096.6	1139.3	1196.3	1224.8	1264.0	1342.4	1401.3	1409.9
152.5°	1067.4	1085.9	1104.4	1109.0	1147.6	1199.1	1224.8	1258.3	1325.2	1375.5	1382.0
155°	1105.7	1119.4	1133.1	1136.5	1166.0	1205.2	1224.8	1251.5	1304.7	1344.7	1349.1
157.5°	1134.0	1147.3	1160.7	1164.0	1184.2	1211.3	1224.8	1245.5	1286.9	1318.0	1321.0
160°	1153.2	1163.5	1173.9	1176.5	1192.6	1214.0	1224.8	1242.5	1278.1	1304.7	1306.5
162.5°	1172.3	1180.1	1187.8	1189.8	1201.4	1217.0	1224.8	1239.7	1269.7	1292.2	1293.9
165°	1193.2	1200.2	1207.1	1208.9	1214.2	1221.3	1224.8	1235.5	1256.9	1273.0	1274.8
167.5°	1212.3	1215.6	1219.0	1219.8	1224.2	1230.2	1233.1	1240.1	1254.2	1264.7	1265.4
170°	1224.8	1228.1	1231.5	1232.3	1232.6	1232.9	1233.1	1240.1	1254.2	1264.7	1264.7
172.5°	1231.4	1232.1	1232.9	1233.1	1233.1	1233.1	1233.1	1238.7	1249.8	1258.1	1257.5
175°	1240.6	1240.6	1240.6	1240.6	1238.1	1234.8	1233.1	1236.6	1243.7	1249.0	1249.0
177.5°	1240.6	1240.6	1240.6	1240.6	1238.7	1236.1	1234.8	1237.6	1243.1	1247.3	1246.5
180°	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2
2.5°	4926.9	4913.3	4926.9	4917.9	4922.4	4908.7	4867.8	4854.2	4867.8	4881.5	4881.5
5°	4986.0	4976.9	4986.0	4986.0	4981.5	4972.4	4926.9	4917.9	4926.9	4931.5	4922.4
7.5°	5004.2	4990.6	5004.2	4995.1	4995.1	4986.0	4940.6	4931.5	4936.0	4949.6	4936.0
10°	5004.2	4990.6	5004.2	4999.7	4995.1	4986.0	4940.6	4922.4	4922.4	4936.0	4922.4
12.5°	4981.5	4972.4	4981.5	4972.4	4972.4	4963.3	4917.9	4899.7	4904.2	4908.7	4890.6
15°	4945.1	4931.5	4945.1	4936.0	4940.6	4926.9	4876.9	4858.8	4858.8	4867.8	4836.0
17.5°	4890.6	4872.4	4890.6	4886.0	4881.5	4872.4	4826.9	4808.7	4804.2	4808.7	4786.1
20°	4826.9	4813.3	4826.9	4822.4	4822.4	4804.2	4758.8	4736.0	4736.0	4736.0	4713.3
22.5°	4727.0	4713.3	4727.0	4736.0	4736.0	4731.5	4690.5	4658.8	4649.7	4649.7	4622.4
25°	4613.3	4599.7	4613.3	4613.3	4608.8	4613.3	4599.7	4581.5	4567.9	4554.3	4527.0
27.5°	4504.2	4495.2	4504.2	4495.2	4504.2	4490.6	4486.1	4481.5	4463.3	4449.7	4413.4
30°	4395.2	4386.0	4395.2	4386.0	4377.0	4367.9	4345.1	4336.1	4354.3	4345.1	4286.0
32.5°	4258.8	4249.7	4258.8	4258.8	4249.7	4249.7	4213.3	4199.7	4204.3	4231.5	4177.0
35°	4117.9	4104.3	4117.9	4113.3	4117.9	4104.3	4081.5	4077.0	4058.8	4090.6	4049.7
37.5°	3954.2	3940.6	3954.2	3954.2	3954.2	3963.4	3945.2	3931.6	3904.3	3945.2	3913.4
40°	3786.1	3767.9	3786.1	3781.5	3786.1	3795.2	3786.1	3777.1	3749.7	3781.5	3754.3
42.5°	3595.2	3590.6	3595.2	3599.8	3599.8	3618.0	3631.6	3613.4	3604.3	3581.6	3599.8
45°	3390.6	3381.6	3390.6	3399.8	3404.3	3413.4	3454.3	3454.3	3440.7	3404.3	3431.6
47.5°	3172.5	3149.8	3172.5	3199.8	3199.8	3213.5	3254.3	3286.2	3263.4	3217.9	3231.6
50°	2940.7	2945.2	2940.7	2958.9	2958.9	3008.9	3040.7	3072.5	3095.3	3040.7	2977.1
52.5°	2713.4	2708.9	2713.4	2727.1	2745.3	2767.9	2822.6	2854.3	2890.7	2858.9	2758.9
55°	2486.2	2495.3	2486.2	2490.8	2499.8	2513.5	2595.2	2627.1	2695.2	2654.3	2549.8
57.5°	2259.0	2245.3	2259.0	2268.0	2272.6	2286.2	2354.4	2413.5	2454.4	2458.9	2331.7
60°	1995.3	1977.1	1995.3	2036.2	2045.3	2054.4	2118.0	2172.6	2208.9	2222.6	2090.7
62.5°	1763.5	1731.7	1763.5	1790.8	1809.0	1831.7	1877.1	1958.9	1990.7	1995.3	1809.0
65°	1518.1	1504.5	1518.1	1572.6	1577.2	1604.4	1654.4	1713.5	1781.7	1772.6	1504.5
67.5°	1295.3	1295.3	1295.3	1331.7	1359.0	1372.6	1436.3	1463.6	1549.9	1559.0	1254.4
70°	1090.8	1086.3	1090.8	1118.1	1136.2	1168.1	1227.2	1259.0	1327.2	1349.9	1018.1
72.5°	895.4	890.8	895.4	918.1	936.3	963.5	1013.6	1049.9	1109.0	1136.2	790.8
75°	722.7	713.6	722.7	740.9	736.3	772.7	813.6	849.9	904.4	922.6	586.3
77.5°	554.5	554.5	554.5	572.7	572.7	609.1	627.3	672.6	704.5	731.7	431.8
80°	413.6	409.1	413.6	418.1	418.1	436.4	468.2	499.9	527.2	527.2	295.5
82.5°	290.9	281.8	290.9	290.9	290.9	300.0	318.2	327.2	345.4	359.1	186.3
85°	181.8	181.8	181.8	186.3	181.8	190.9	195.4	204.5	204.5	195.4	113.6
87.5°	118.2	113.6	118.2	113.6	113.6	109.0	109.0	109.0	104.6	100.0	63.7
90°	31.6	31.6	31.6	31.6	31.6	42.2	56.2	63.3	54.4	36.6	23.3
92.5°	126.8	101.6	126.8	151.9	158.2	224.3	312.3	356.3	312.8	225.9	160.7
95°	441.7	365.6	441.7	517.9	537.0	705.2	929.5	1041.6	879.7	555.9	313.1
97.5°	1058.4	913.4	1058.4	1203.5	1239.7	1346.0	1487.7	1558.6	1288.7	748.8	343.9
100°	1525.0	1352.2	1525.0	1697.8	1741.0	1733.2	1722.8	1717.7	1418.1	819.0	369.7
102.5°	1983.9	1835.9	1983.9	2132.0	2169.0	2033.5	1852.9	1762.7	1458.8	851.2	395.5
105°	2569.1	2489.5	2569.1	2648.7	2668.6	2365.0	1960.1	1757.7	1463.5	875.1	433.8
107.5°	2952.4	2971.6	2952.4	2933.1	2928.3	2504.8	1940.1	1657.8	1398.4	879.6	490.5
110°	3098.5	3181.4	3098.5	3015.6	2994.9	2521.5	1890.2	1574.5	1340.6	872.8	522.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3111.6	3238.9	3111.6	2984.3	2952.5	2467.9	1821.8	1498.8	1290.2	873.2	560.4
115°	3029.0	3205.6	3029.0	2852.6	2808.4	2341.6	1719.2	1408.0	1232.4	881.2	617.8
117.5°	2854.1	3049.9	2854.1	2658.4	2609.4	2188.1	1626.3	1345.5	1196.1	897.6	673.5
120°	2713.2	2903.3	2713.2	2522.9	2475.4	2090.4	1577.1	1320.5	1184.0	910.9	706.0
122.5°	2575.8	2763.5	2575.8	2388.2	2341.3	1994.7	1532.4	1301.3	1177.6	930.1	744.4
125°	2380.0	2552.8	2380.0	2207.2	2164.0	1869.5	1476.9	1280.6	1172.3	955.8	793.5
127.5°	2203.9	2349.7	2203.9	2058.1	2021.6	1768.8	1431.7	1263.1	1169.3	981.7	841.0
130°	2100.0	2234.8	2100.0	1965.3	1931.6	1706.6	1406.4	1256.4	1171.1	1000.5	872.6
132.5°	2005.9	2126.5	2005.9	1885.3	1855.1	1653.6	1384.9	1250.6	1172.3	1015.7	898.4
135°	1876.8	1980.8	1876.8	1772.8	1746.8	1578.1	1353.1	1240.6	1171.2	1032.5	928.3
137.5°	1773.3	1858.4	1773.3	1688.2	1666.9	1524.3	1334.0	1238.9	1178.4	1057.5	966.7
140°	1702.3	1781.8	1702.3	1622.7	1602.8	1479.6	1315.3	1233.1	1179.7	1072.7	992.5
142.5°	1643.4	1711.8	1643.4	1574.9	1557.8	1449.6	1305.3	1233.1	1183.9	1085.5	1011.6
145°	1555.2	1606.9	1555.2	1503.4	1490.4	1401.9	1283.8	1224.8	1183.9	1102.1	1040.8
147.5°	1487.4	1530.4	1487.4	1444.5	1433.8	1364.1	1271.3	1224.8	1192.0	1126.6	1077.4
150°	1444.8	1479.6	1444.8	1409.9	1401.3	1342.4	1264.0	1224.8	1196.3	1139.3	1096.6
152.5°	1408.3	1434.6	1408.3	1382.0	1375.5	1325.2	1258.3	1224.8	1199.1	1147.6	1109.0
155°	1366.4	1383.8	1366.4	1349.1	1344.7	1304.7	1251.5	1224.8	1205.2	1166.0	1136.5
157.5°	1333.3	1345.5	1333.3	1321.0	1318.0	1286.9	1245.5	1224.8	1211.3	1184.2	1164.0
160°	1313.5	1320.5	1313.5	1306.5	1304.7	1278.1	1242.5	1224.8	1214.0	1192.6	1176.5
162.5°	1300.5	1307.2	1300.5	1293.9	1292.2	1269.7	1239.7	1224.8	1217.0	1201.4	1189.8
165°	1281.8	1288.9	1281.8	1274.8	1273.0	1256.9	1235.5	1224.8	1221.3	1214.2	1208.9
167.5°	1268.5	1271.4	1268.5	1265.4	1264.7	1254.2	1240.1	1233.1	1230.2	1224.2	1219.8
170°	1264.7	1264.7	1264.7	1264.7	1264.7	1254.2	1240.1	1233.1	1232.9	1232.6	1232.3
172.5°	1254.9	1252.3	1254.9	1257.5	1258.1	1249.8	1238.7	1233.1	1233.1	1233.1	1233.1
175°	1249.0	1249.0	1249.0	1249.0	1249.0	1243.7	1236.6	1233.1	1234.8	1238.1	1240.6
177.5°	1243.6	1240.6	1243.6	1246.5	1247.3	1243.1	1237.6	1234.8	1236.1	1238.7	1240.6
180°	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2
2.5°	4872.4	4845.2	4845.2	4799.7	4781.5	4767.9	4745.2	4676.9	4658.8	4640.6	4667.9
5°	4913.3	4863.3	4826.9	4745.2	4676.9	4649.7	4563.3	4399.7	4290.6	4208.8	4163.4
7.5°	4922.4	4858.8	4790.5	4663.3	4499.7	4427.0	4163.4	3863.4	3781.5	3708.8	3663.3
10°	4913.3	4840.6	4745.2	4554.3	4167.9	4040.6	3777.1	3581.6	3531.6	3517.9	3531.6
12.5°	4881.5	4813.3	4681.5	4363.3	3822.4	3736.1	3581.6	3467.9	3458.9	3481.6	3604.3
15°	4826.9	4763.3	4608.8	4108.8	3631.6	3567.9	3458.9	3417.9	3467.9	3627.0	3995.2
17.5°	4772.4	4699.7	4508.8	3858.8	3486.2	3440.7	3363.4	3445.3	3727.0	3940.6	4063.4
20°	4699.7	4613.3	4395.2	3677.0	3381.6	3340.7	3304.3	3672.5	3886.1	3963.4	4031.5
22.5°	4613.3	4522.4	4240.6	3549.7	3272.5	3240.7	3263.4	3799.7	3886.1	3940.6	3999.7
25°	4499.7	4422.4	4058.8	3449.7	3186.1	3149.8	3236.1	3786.1	3836.1	3849.8	3967.9
27.5°	4395.2	4295.2	3867.9	3358.9	3081.6	3068.0	3258.8	3727.0	3763.4	3777.1	3904.3
30°	4267.9	4117.9	3654.3	3263.4	2972.5	2968.0	3263.4	3654.3	3645.2	3681.5	3808.8
32.5°	4136.1	3854.3	3413.4	3145.2	2868.0	2863.5	3231.6	3545.2	3536.1	3586.1	3681.5
35°	4013.3	3649.7	3086.1	3008.9	2736.2	2740.7	3154.4	3417.9	3422.5	3467.9	3527.0
37.5°	3886.1	3472.5	2727.1	2858.9	2608.9	2608.9	3049.8	3299.8	3290.7	3304.3	3386.2
40°	3736.1	3195.2	2408.9	2663.5	2490.8	2477.1	2922.6	3172.5	3140.7	3136.2	3249.8
42.5°	3577.0	2890.7	2172.6	2404.4	2354.4	2336.2	2767.9	3018.0	2958.9	2972.5	3117.9
45°	3404.3	2808.9	1990.7	2031.6	2213.5	2199.9	2599.8	2840.7	2799.8	2836.2	2986.1
47.5°	3231.6	2645.3	1931.7	1686.2	2063.5	2058.9	2413.5	2668.0	2645.3	2681.6	2840.7
50°	2995.3	2463.5	1927.2	1445.4	1895.3	1913.5	2190.7	2499.8	2499.8	2531.7	2699.8
52.5°	2690.7	2240.8	1749.9	1309.0	1699.8	1754.5	1995.3	2354.4	2363.4	2395.3	2545.3
55°	2413.5	2009.0	1622.6	1204.5	1468.0	1586.2	1804.4	2204.3	2222.6	2254.4	2390.8
57.5°	2159.0	1672.6	1595.4	1081.7	1254.4	1368.1	1636.3	2058.9	2068.1	2095.3	2227.1
60°	1886.2	1209.0	1463.6	949.9	1068.1	1154.5	1481.7	1886.2	1918.0	1936.2	2049.8
62.5°	1577.2	877.2	1327.2	859.1	977.2	995.4	1354.4	1722.6	1763.5	1777.1	1845.3
65°	1122.6	736.3	1127.2	781.8	881.8	886.3	1218.1	1554.4	1590.8	1613.5	1663.5
67.5°	759.0	599.9	859.1	709.0	809.0	813.6	1086.3	1359.0	1409.0	1427.2	1459.0
70°	527.2	399.9	636.3	631.7	727.3	736.3	945.4	1181.7	1227.2	1240.8	1259.0
72.5°	386.3	322.7	527.2	568.2	640.9	650.0	800.0	981.7	1027.2	1040.8	1049.9
75°	295.5	340.8	427.2	495.4	545.4	550.0	654.5	800.0	831.7	840.9	845.4
77.5°	236.4	318.2	313.6	399.9	445.4	436.4	513.6	618.1	645.4	645.4	645.4
80°	177.3	250.0	236.4	286.3	327.2	318.2	368.2	440.9	450.0	459.0	454.5
82.5°	131.8	159.1	159.1	181.8	218.2	209.1	245.4	286.3	286.3	286.3	295.5
85°	81.8	90.9	72.7	95.4	122.7	118.2	136.4	154.5	159.1	159.1	150.0
87.5°	50.0	40.9	22.7	36.3	54.5	54.5	63.7	68.1	63.7	63.7	63.7
90°	21.6	15.0	8.3	15.0	21.6	23.3	36.6	54.4	63.3	56.2	42.2
92.5°	146.6	89.9	33.3	89.9	146.6	160.7	225.9	312.8	356.3	312.3	224.3
95°	287.2	183.5	80.0	183.5	287.2	313.1	555.9	879.7	1041.6	929.5	705.2
97.5°	321.1	229.6	138.2	229.6	321.1	343.9	748.8	1288.7	1558.6	1487.7	1346.0
100°	349.0	266.1	183.2	266.1	349.0	369.7	819.0	1418.1	1717.7	1722.8	1733.2
102.5°	376.1	298.9	221.5	298.9	376.1	395.5	851.2	1458.8	1762.7	1852.9	2033.5
105°	417.4	351.9	286.4	351.9	417.4	433.8	875.1	1463.5	1757.7	1960.1	2365.0
107.5°	475.1	414.1	353.0	414.1	475.1	490.5	879.6	1398.4	1657.8	1940.1	2504.8
110°	508.3	453.1	398.0	453.1	508.3	522.1	872.8	1340.6	1574.5	1890.2	2521.5



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	547.2	494.7	442.1	494.7	547.2	560.4	873.2	1290.2	1498.8	1821.8	2467.9
115°	605.7	557.2	508.7	557.2	605.7	617.8	881.2	1232.4	1408.0	1719.2	2341.6
117.5°	662.5	618.6	574.5	618.6	662.5	673.5	897.6	1196.1	1345.5	1626.3	2188.1
120°	695.7	654.3	612.8	654.3	695.7	706.0	910.9	1184.0	1320.5	1577.1	2090.4
122.5°	733.9	692.1	650.3	692.1	733.9	744.4	930.1	1177.6	1301.3	1532.4	1994.7
125°	784.0	745.9	707.7	745.9	784.0	793.5	955.8	1172.3	1280.6	1476.9	1869.5
127.5°	831.4	792.9	754.4	792.9	831.4	841.0	981.7	1169.3	1263.1	1431.7	1768.8
130°	862.2	820.8	779.4	820.8	862.2	872.6	1000.5	1171.1	1256.4	1406.4	1706.6
132.5°	888.0	846.6	805.2	846.6	888.0	898.4	1015.7	1172.3	1250.6	1384.9	1653.6
135°	918.9	881.2	843.5	881.2	918.9	928.3	1032.5	1171.2	1240.6	1353.1	1578.1
137.5°	957.4	919.9	882.6	919.9	957.4	966.7	1057.5	1178.4	1238.9	1334.0	1524.3
140°	983.9	949.4	915.0	949.4	983.9	992.5	1072.7	1179.7	1233.1	1315.3	1479.6
142.5°	1003.6	971.9	940.0	971.9	1003.6	1011.6	1085.5	1183.9	1233.1	1305.3	1449.6
145°	1033.8	1006.1	978.3	1006.1	1033.8	1040.8	1102.1	1183.9	1224.8	1283.8	1401.9
147.5°	1070.7	1043.7	1016.6	1043.7	1070.7	1077.4	1126.6	1192.0	1224.8	1271.3	1364.1
150°	1090.5	1066.0	1041.6	1066.0	1090.5	1096.6	1139.3	1196.3	1224.8	1264.0	1342.4
152.5°	1104.4	1085.9	1067.4	1085.9	1104.4	1109.0	1147.6	1199.1	1224.8	1258.3	1325.2
155°	1133.1	1119.4	1105.7	1119.4	1133.1	1136.5	1166.0	1205.2	1224.8	1251.5	1304.7
157.5°	1160.7	1147.3	1134.0	1147.3	1160.7	1164.0	1184.2	1211.3	1224.8	1245.5	1286.9
160°	1173.9	1163.5	1153.2	1163.5	1173.9	1176.5	1192.6	1214.0	1224.8	1242.5	1278.1
162.5°	1187.8	1180.1	1172.3	1180.1	1187.8	1189.8	1201.4	1217.0	1224.8	1239.7	1269.7
165°	1207.1	1200.2	1193.2	1200.2	1207.1	1208.9	1214.2	1221.3	1224.8	1235.5	1256.9
167.5°	1219.0	1215.6	1212.3	1215.6	1219.0	1219.8	1224.2	1230.2	1233.1	1240.1	1254.2
170°	1231.5	1228.1	1224.8	1228.1	1231.5	1232.3	1232.6	1232.9	1233.1	1240.1	1254.2
172.5°	1232.9	1232.1	1231.4	1232.1	1232.9	1233.1	1233.1	1233.1	1233.1	1238.7	1249.8
175°	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1238.1	1234.8	1233.1	1236.6	1243.7
177.5°	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1238.7	1236.1	1234.8	1237.6	1243.1
180°	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6



TEST NUMBER: P934954

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2
2.5°	4636.0	4622.4	4640.6	4590.6	4640.6	4622.4	4636.0	4667.9	4640.6	4658.8	4676.9
5°	4067.9	4045.2	3972.4	3913.4	3972.4	4045.2	4067.9	4163.4	4208.8	4290.6	4399.7
7.5°	3636.1	3618.0	3599.8	3563.4	3599.8	3618.0	3636.1	3663.3	3708.8	3781.5	3863.4
10°	3540.7	3545.2	3572.5	3567.9	3572.5	3545.2	3540.7	3531.6	3517.9	3531.6	3581.6
12.5°	3786.1	3827.0	3977.0	3967.9	3977.0	3827.0	3786.1	3604.3	3481.6	3458.9	3467.9
15°	4067.9	4081.5	4113.3	4117.9	4113.3	4081.5	4067.9	3995.2	3627.0	3467.9	3417.9
17.5°	4095.2	4099.7	4122.5	4122.5	4122.5	4099.7	4095.2	4063.4	3940.6	3727.0	3445.3
20°	4072.4	4081.5	4127.0	4136.1	4127.0	4081.5	4072.4	4031.5	3963.4	3886.1	3672.5
22.5°	4063.4	4081.5	4117.9	4113.3	4117.9	4081.5	4063.4	3999.7	3940.6	3886.1	3799.7
25°	4017.9	4017.9	4022.5	4027.0	4022.5	4017.9	4017.9	3967.9	3849.8	3836.1	3786.1
27.5°	3922.5	3931.6	3958.8	3954.2	3958.8	3931.6	3922.5	3904.3	3777.1	3763.4	3727.0
30°	3836.1	3827.0	3804.3	3786.1	3804.3	3827.0	3836.1	3808.8	3681.5	3645.2	3654.3
32.5°	3690.7	3667.9	3645.2	3631.6	3645.2	3667.9	3690.7	3681.5	3586.1	3536.1	3545.2
35°	3517.9	3522.5	3517.9	3504.3	3517.9	3522.5	3517.9	3527.0	3467.9	3422.5	3417.9
37.5°	3395.2	3404.3	3399.8	3381.6	3399.8	3404.3	3395.2	3386.2	3304.3	3290.7	3299.8
40°	3268.0	3272.5	3268.0	3254.3	3268.0	3272.5	3268.0	3249.8	3136.2	3140.7	3172.5
42.5°	3145.2	3140.7	3127.1	3117.9	3127.1	3140.7	3145.2	3117.9	2972.5	2958.9	3018.0
45°	3004.3	3008.9	2981.6	2968.0	2981.6	3008.9	3004.3	2986.1	2836.2	2799.8	2840.7
47.5°	2863.5	2863.5	2840.7	2827.0	2840.7	2863.5	2863.5	2840.7	2681.6	2645.3	2668.0
50°	2713.4	2708.9	2677.1	2672.5	2677.1	2708.9	2713.4	2699.8	2531.7	2499.8	2499.8
52.5°	2540.7	2540.7	2545.3	2554.3	2545.3	2540.7	2540.7	2545.3	2395.3	2363.4	2354.4
55°	2390.8	2395.3	2427.1	2436.2	2427.1	2395.3	2390.8	2390.8	2254.4	2222.6	2204.3
57.5°	2236.2	2236.2	2259.0	2259.0	2259.0	2236.2	2236.2	2227.1	2095.3	2068.1	2058.9
60°	2058.9	2068.1	2086.3	2081.7	2086.3	2068.1	2058.9	2049.8	1936.2	1918.0	1886.2
62.5°	1872.6	1881.7	1886.2	1877.1	1886.2	1881.7	1872.6	1845.3	1777.1	1763.5	1722.6
65°	1677.2	1686.2	1690.8	1681.7	1690.8	1686.2	1677.2	1663.5	1613.5	1590.8	1554.4
67.5°	1477.2	1472.6	1468.0	1486.2	1468.0	1472.6	1477.2	1459.0	1427.2	1409.0	1359.0
70°	1272.6	1272.6	1268.1	1277.2	1268.1	1272.6	1272.6	1259.0	1240.8	1227.2	1181.7
72.5°	1054.5	1049.9	1068.1	1054.5	1068.1	1049.9	1054.5	1049.9	1040.8	1027.2	981.7
75°	840.9	849.9	840.9	854.5	840.9	849.9	840.9	845.4	840.9	831.7	800.0
77.5°	640.9	650.0	640.9	640.9	640.9	650.0	640.9	645.4	645.4	645.4	618.1
80°	454.5	450.0	450.0	445.4	450.0	450.0	454.5	454.5	459.0	450.0	440.9
82.5°	290.9	286.3	286.3	295.5	286.3	286.3	290.9	295.5	286.3	286.3	286.3
85°	159.1	163.7	154.5	154.5	154.5	163.7	159.1	150.0	159.1	159.1	154.5
87.5°	59.1	54.5	54.5	54.5	54.5	54.5	59.1	63.7	63.7	63.7	68.1
90°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	42.2	56.2	63.3	54.4
92.5°	158.2	151.9	126.8	101.6	126.8	151.9	158.2	224.3	312.3	356.3	312.8
95°	537.0	517.9	441.7	365.6	441.7	517.9	537.0	705.2	929.5	1041.6	879.7
97.5°	1239.7	1203.5	1058.4	913.4	1058.4	1203.5	1239.7	1346.0	1487.7	1558.6	1288.7
100°	1741.0	1697.8	1525.0	1352.2	1525.0	1697.8	1741.0	1733.2	1722.8	1717.7	1418.1
102.5°	2169.0	2132.0	1983.9	1835.9	1983.9	2132.0	2169.0	2033.5	1852.9	1762.7	1458.8
105°	2668.6	2648.7	2569.1	2489.5	2569.1	2648.7	2668.6	2365.0	1960.1	1757.7	1463.5
107.5°	2928.3	2933.1	2952.4	2971.6	2952.4	2933.1	2928.3	2504.8	1940.1	1657.8	1398.4
110°	2994.9	3015.6	3098.5	3181.4	3098.5	3015.6	2994.9	2521.5	1890.2	1574.5	1340.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2952.5	2984.3	3111.6	3238.9	3111.6	2984.3	2952.5	2467.9	1821.8	1498.8	1290.2
115°	2808.4	2852.6	3029.0	3205.6	3029.0	2852.6	2808.4	2341.6	1719.2	1408.0	1232.4
117.5°	2609.4	2658.4	2854.1	3049.9	2854.1	2658.4	2609.4	2188.1	1626.3	1345.5	1196.1
120°	2475.4	2522.9	2713.2	2903.3	2713.2	2522.9	2475.4	2090.4	1577.1	1320.5	1184.0
122.5°	2341.3	2388.2	2575.8	2763.5	2575.8	2388.2	2341.3	1994.7	1532.4	1301.3	1177.6
125°	2164.0	2207.2	2380.0	2552.8	2380.0	2207.2	2164.0	1869.5	1476.9	1280.6	1172.3
127.5°	2021.6	2058.1	2203.9	2349.7	2203.9	2058.1	2021.6	1768.8	1431.7	1263.1	1169.3
130°	1931.6	1965.3	2100.0	2234.8	2100.0	1965.3	1931.6	1706.6	1406.4	1256.4	1171.1
132.5°	1855.1	1885.3	2005.9	2126.5	2005.9	1885.3	1855.1	1653.6	1384.9	1250.6	1172.3
135°	1746.8	1772.8	1876.8	1980.8	1876.8	1772.8	1746.8	1578.1	1353.1	1240.6	1171.2
137.5°	1666.9	1688.2	1773.3	1858.4	1773.3	1688.2	1666.9	1524.3	1334.0	1238.9	1178.4
140°	1602.8	1622.7	1702.3	1781.8	1702.3	1622.7	1602.8	1479.6	1315.3	1233.1	1179.7
142.5°	1557.8	1574.9	1643.4	1711.8	1643.4	1574.9	1557.8	1449.6	1305.3	1233.1	1183.9
145°	1490.4	1503.4	1555.2	1606.9	1555.2	1503.4	1490.4	1401.9	1283.8	1224.8	1183.9
147.5°	1433.8	1444.5	1487.4	1530.4	1487.4	1444.5	1433.8	1364.1	1271.3	1224.8	1192.0
150°	1401.3	1409.9	1444.8	1479.6	1444.8	1409.9	1401.3	1342.4	1264.0	1224.8	1196.3
152.5°	1375.5	1382.0	1408.3	1434.6	1408.3	1382.0	1375.5	1325.2	1258.3	1224.8	1199.1
155°	1344.7	1349.1	1366.4	1383.8	1366.4	1349.1	1344.7	1304.7	1251.5	1224.8	1205.2
157.5°	1318.0	1321.0	1333.3	1345.5	1333.3	1321.0	1318.0	1286.9	1245.5	1224.8	1211.3
160°	1304.7	1306.5	1313.5	1320.5	1313.5	1306.5	1304.7	1278.1	1242.5	1224.8	1214.0
162.5°	1292.2	1293.9	1300.5	1307.2	1300.5	1293.9	1292.2	1269.7	1239.7	1224.8	1217.0
165°	1273.0	1274.8	1281.8	1288.9	1281.8	1274.8	1273.0	1256.9	1235.5	1224.8	1221.3
167.5°	1264.7	1265.4	1268.5	1271.4	1268.5	1265.4	1264.7	1254.2	1240.1	1233.1	1230.2
170°	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1254.2	1240.1	1233.1	1232.9
172.5°	1258.1	1257.5	1254.9	1252.3	1254.9	1257.5	1258.1	1249.8	1238.7	1233.1	1233.1
175°	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1243.7	1236.6	1233.1	1234.8
177.5°	1247.3	1246.5	1243.6	1240.6	1243.6	1246.5	1247.3	1243.1	1237.6	1234.8	1236.1
180°	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4804.2	4804.2	4804.2	4804.2	4804.2
2.5°	4745.2	4767.9	4781.5	4799.7	4845.2
5°	4563.3	4649.7	4676.9	4745.2	4826.9
7.5°	4163.4	4427.0	4499.7	4663.3	4790.5
10°	3777.1	4040.6	4167.9	4554.3	4745.2
12.5°	3581.6	3736.1	3822.4	4363.3	4681.5
15°	3458.9	3567.9	3631.6	4108.8	4608.8
17.5°	3363.4	3440.7	3486.2	3858.8	4508.8
20°	3304.3	3340.7	3381.6	3677.0	4395.2
22.5°	3263.4	3240.7	3272.5	3549.7	4240.6
25°	3236.1	3149.8	3186.1	3449.7	4058.8
27.5°	3258.8	3068.0	3081.6	3358.9	3867.9
30°	3263.4	2968.0	2972.5	3263.4	3654.3
32.5°	3231.6	2863.5	2868.0	3145.2	3413.4
35°	3154.4	2740.7	2736.2	3008.9	3086.1
37.5°	3049.8	2608.9	2608.9	2858.9	2727.1
40°	2922.6	2477.1	2490.8	2663.5	2408.9
42.5°	2767.9	2336.2	2354.4	2404.4	2172.6
45°	2599.8	2199.9	2213.5	2031.6	1990.7
47.5°	2413.5	2058.9	2063.5	1686.2	1931.7
50°	2190.7	1913.5	1895.3	1445.4	1927.2
52.5°	1995.3	1754.5	1699.8	1309.0	1749.9
55°	1804.4	1586.2	1468.0	1204.5	1622.6
57.5°	1636.3	1368.1	1254.4	1081.7	1595.4
60°	1481.7	1154.5	1068.1	949.9	1463.6
62.5°	1354.4	995.4	977.2	859.1	1327.2
65°	1218.1	886.3	881.8	781.8	1127.2
67.5°	1086.3	813.6	809.0	709.0	859.1
70°	945.4	736.3	727.3	631.7	636.3
72.5°	800.0	650.0	640.9	568.2	527.2
75°	654.5	550.0	545.4	495.4	427.2
77.5°	513.6	436.4	445.4	399.9	313.6
80°	368.2	318.2	327.2	286.3	236.4
82.5°	245.4	209.1	218.2	181.8	159.1
85°	136.4	118.2	122.7	95.4	72.7
87.5°	63.7	54.5	54.5	36.3	22.7
90°	36.6	23.3	21.6	15.0	8.3
92.5°	225.9	160.7	146.6	89.9	33.3
95°	555.9	313.1	287.2	183.5	80.0
97.5°	748.8	343.9	321.1	229.6	138.2
100°	819.0	369.7	349.0	266.1	183.2
102.5°	851.2	395.5	376.1	298.9	221.5
105°	875.1	433.8	417.4	351.9	286.4
107.5°	879.6	490.5	475.1	414.1	353.0
110°	872.8	522.1	508.3	453.1	398.0



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CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	873.2	560.4	547.2	494.7	442.1
115°	881.2	617.8	605.7	557.2	508.7
117.5°	897.6	673.5	662.5	618.6	574.5
120°	910.9	706.0	695.7	654.3	612.8
122.5°	930.1	744.4	733.9	692.1	650.3
125°	955.8	793.5	784.0	745.9	707.7
127.5°	981.7	841.0	831.4	792.9	754.4
130°	1000.5	872.6	862.2	820.8	779.4
132.5°	1015.7	898.4	888.0	846.6	805.2
135°	1032.5	928.3	918.9	881.2	843.5
137.5°	1057.5	966.7	957.4	919.9	882.6
140°	1072.7	992.5	983.9	949.4	915.0
142.5°	1085.5	1011.6	1003.6	971.9	940.0
145°	1102.1	1040.8	1033.8	1006.1	978.3
147.5°	1126.6	1077.4	1070.7	1043.7	1016.6
150°	1139.3	1096.6	1090.5	1066.0	1041.6
152.5°	1147.6	1109.0	1104.4	1085.9	1067.4
155°	1166.0	1136.5	1133.1	1119.4	1105.7
157.5°	1184.2	1164.0	1160.7	1147.3	1134.0
160°	1192.6	1176.5	1173.9	1163.5	1153.2
162.5°	1201.4	1189.8	1187.8	1180.1	1172.3
165°	1214.2	1208.9	1207.1	1200.2	1193.2
167.5°	1224.2	1219.8	1219.0	1215.6	1212.3
170°	1232.6	1232.3	1231.5	1228.1	1224.8
172.5°	1233.1	1233.1	1232.9	1232.1	1231.4
175°	1238.1	1240.6	1240.6	1240.6	1240.6
177.5°	1238.7	1240.6	1240.6	1240.6	1240.6
180°	1240.6	1240.6	1240.6	1240.6	1240.6



TEST NUMBER: P934954
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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	15.13	16.09	15.99	16.98	18.08	17.98	18.95	18.84	19.83	20.93
	3H	15.61	16.48	16.48	17.37	18.50	19.34	20.21	20.21	21.10	22.23
	4H	15.81	16.63	16.70	17.52	18.67	19.79	20.61	20.68	21.51	22.65
	6H	15.93	16.69	16.83	17.59	18.75	20.09	20.84	20.99	21.75	22.90
	8H	15.94	16.66	16.84	17.58	18.73	20.17	20.89	21.08	21.81	22.97
	12H	15.91	16.60	16.82	17.51	18.69	20.21	20.90	21.13	21.81	23.00
4H	2H	16.18	17.00	17.07	17.89	19.04	18.40	19.22	19.29	20.12	21.26
	3H	17.21	17.90	18.12	18.83	19.99	19.92	20.60	20.82	21.53	22.69
	4H	17.50	18.12	18.41	19.04	20.23	20.46	21.08	21.37	22.00	23.19
	6H	17.63	18.16	18.56	19.11	20.30	20.84	21.37	21.76	22.32	23.51
	8H	17.63	18.14	18.57	19.08	20.28	20.95	21.45	21.88	22.39	23.59
	12H	17.61	18.06	18.56	19.02	20.22	21.01	21.47	21.96	22.42	23.63
8H	4H	17.96	18.46	18.89	19.40	20.60	20.59	21.09	21.52	22.03	23.23
	6H	18.23	18.64	19.18	19.62	20.82	21.04	21.45	22.00	22.44	23.64
	8H	18.27	18.64	19.24	19.61	20.83	21.19	21.56	22.16	22.53	23.75
	12H	18.26	18.58	19.23	19.55	20.81	21.30	21.62	22.27	22.59	23.86
12H	4H	17.97	18.42	18.92	19.38	20.59	20.56	21.01	21.51	21.97	23.18
	6H	18.29	18.66	19.26	19.63	20.85	21.04	21.40	22.00	22.38	23.59
	8H	18.36	18.68	19.33	19.65	20.92	21.21	21.53	22.18	22.49	23.76