

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: P934956

Luminaire Tested: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934956
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-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

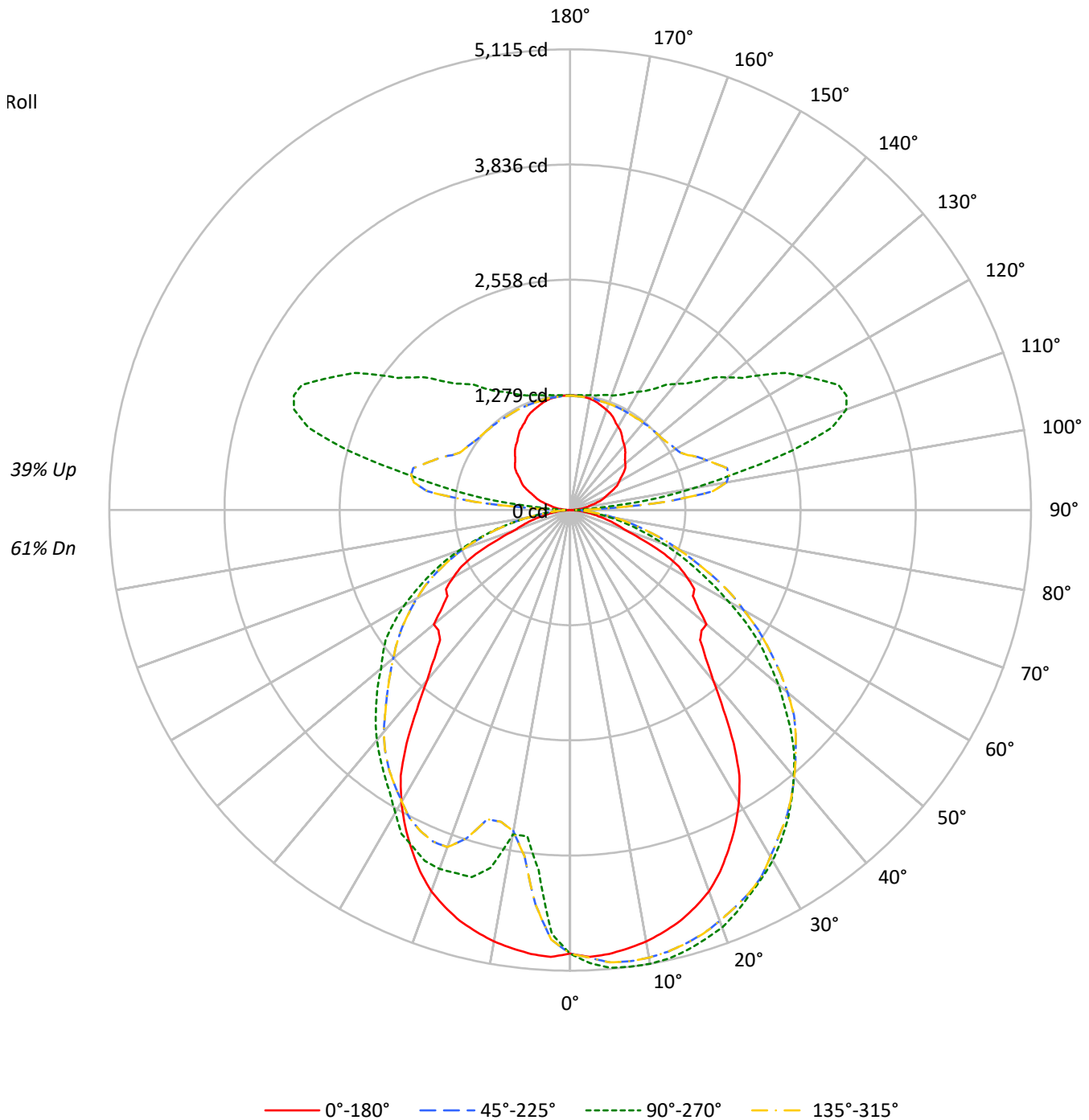
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21016.1 lumens
Efficiency: N/A
Efficacy: 113.0 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	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°	15232	15232	15232	15232
5°	15351	15375	15351	12090
10°	15254	15145	15254	10828
15°	15093	14817	15093	12373
20°	14784	14428	14784	12399
25°	14143	13862	14143	12136
30°	13314	13391	13314	11559
35°	11875	12796	11875	10925
40°	9901	12095	9901	10446
45°	8852	11274	8852	9895
50°	9412	10295	9412	9342
55°	8863	9242	8863	9023
60°	9148	7849	9148	8264
65°	8308	6488	8308	7252
70°	5766	5171	5766	6079
75°	5075	3822	5075	4577
80°	4121	2527	4121	2752
85°	2414	1339	2414	1138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13558 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.5	2.1
10°-20°	1262.1	6.0
20°-30°	1950.9	9.3
30°-40°	2329.0	11.1
40°-50°	2342.7	11.1
50°-60°	2038.4	9.7
60°-70°	1445.3	6.9
70°-80°	764.6	3.6
80°-90°	195.3	0.9
90°-100°	619.8	2.9
100°-110°	1629.6	7.8
110°-120°	1689.7	8.0
120°-130°	1355.4	6.4
130°-140°	1063.5	5.1
140°-150°	816.3	3.9
150°-160°	587.8	2.8
160°-170°	359.7	1.7
170°-180°	121.5	0.6
0°-30°	3657.5	17.4
0°-40°	5986.5	28.5
0°-60°	10367.6	49.3
0°-90°	12772.7	60.8
90°-120°	3939.2	18.7
90°-150°	7174.3	34.1
90°-180°	8243.0	39.2
0°-180°	21016.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4924	4924	4924	4924	4924	
5°	4948	5101	4948	4011	4948	469
15°	4724	5055	4724	4221	4724	1329
25°	4160	4715	4160	4128	4160	1910
35°	3163	4207	3163	3592	3163	1957
45°	2040	3466	2040	3042	2040	1635
55°	1663	2558	1663	2497	1663	1528
65°	1155	1542	1155	1724	1155	1104
75°	438	731	438	876	438	460
85°	74	186	74	158	74	101
90°	8	32	8	32	8	10
95°	82	375	82	375	82	91
105°	294	2552	294	2552	294	311
115°	521	3286	521	3286	521	515
125°	725	2617	725	2617	725	644
135°	865	2030	865	2030	865	669
145°	1003	1647	1003	1647	1003	628
155°	1133	1418	1133	1418	1133	521
165°	1223	1321	1223	1321	1223	345
175°	1272	1280	1272	1280	1272	121
180°	1272	1272	1272	1272	1272	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4
2.5°	4966.3	4966.3	4994.2	5003.5	5003.5	4989.5	4975.6	4989.5	5031.4	5045.5	5040.8
5°	4947.6	4984.9	5036.1	5045.5	5054.8	5050.1	5040.8	5050.1	5096.7	5106.1	5110.6
7.5°	4910.3	4980.2	5045.5	5059.4	5073.4	5059.4	5054.8	5064.1	5110.6	5120.0	5120.0
10°	4863.8	4961.6	5036.1	5045.5	5059.4	5045.5	5045.5	5064.1	5110.6	5120.0	5124.7
12.5°	4798.5	4933.6	5003.5	5012.8	5031.4	5026.8	5022.2	5040.8	5087.3	5096.7	5096.7
15°	4724.0	4882.4	4947.6	4956.9	4989.5	4980.2	4980.2	4998.9	5050.1	5064.1	5059.4
17.5°	4621.5	4817.2	4891.7	4905.7	4928.9	4924.4	4928.9	4947.6	4994.2	5003.5	5008.1
20°	4505.1	4728.6	4817.2	4831.1	4854.4	4854.4	4854.4	4877.7	4924.4	4943.0	4943.0
22.5°	4346.7	4635.5	4728.6	4738.0	4766.0	4766.0	4775.2	4807.8	4849.7	4854.4	4854.4
25°	4160.3	4533.0	4612.2	4640.1	4668.1	4682.1	4696.0	4714.7	4728.6	4724.0	4728.6
27.5°	3964.6	4402.5	4505.1	4523.7	4560.9	4574.9	4593.5	4598.2	4602.9	4616.8	4607.6
30°	3745.7	4220.8	4374.6	4393.2	4453.8	4463.1	4444.5	4453.8	4477.1	4486.4	4495.7
32.5°	3498.7	3950.7	4239.5	4281.4	4337.3	4309.4	4304.7	4318.7	4355.9	4355.9	4365.3
35°	3163.3	3741.0	4113.7	4150.9	4192.9	4160.3	4178.9	4183.6	4206.9	4220.8	4216.2
37.5°	2795.3	3559.3	3983.3	4011.2	4043.8	4001.9	4029.9	4043.8	4062.5	4053.1	4053.1
40°	2469.2	3275.1	3829.5	3848.2	3876.1	3843.5	3871.5	3880.7	3890.1	3880.7	3876.1
42.5°	2226.9	2963.0	3666.5	3689.8	3671.1	3694.4	3703.7	3722.4	3708.4	3689.8	3689.8
45°	2040.5	2879.1	3489.4	3517.3	3489.4	3526.7	3540.7	3540.7	3498.7	3489.4	3484.8
47.5°	1980.0	2711.4	3312.4	3312.4	3298.4	3345.0	3368.3	3335.6	3293.8	3279.8	3279.8
50°	1975.3	2525.0	3070.1	3051.5	3116.7	3172.7	3149.3	3116.7	3084.1	3032.9	3032.9
52.5°	1793.6	2296.8	2757.9	2827.9	2930.4	2963.0	2925.7	2893.1	2837.1	2813.9	2795.3
55°	1663.1	2059.2	2473.8	2613.6	2720.7	2762.6	2692.8	2660.1	2576.3	2562.3	2553.0
57.5°	1635.2	1714.4	2212.9	2390.0	2520.4	2515.8	2473.8	2413.3	2343.3	2329.4	2324.7
60°	1500.2	1239.3	1933.4	2143.0	2278.2	2264.1	2226.9	2171.0	2105.7	2096.5	2087.1
62.5°	1360.4	899.2	1616.6	1854.2	2045.2	2040.5	2007.9	1924.0	1877.5	1854.2	1835.6
65°	1155.4	754.7	1150.7	1542.1	1816.9	1826.2	1756.4	1695.8	1644.5	1616.6	1611.9
67.5°	880.5	614.9	778.0	1285.8	1598.0	1588.6	1500.2	1472.2	1406.9	1393.0	1365.0
70°	652.2	409.9	540.4	1043.6	1383.6	1360.4	1290.5	1257.9	1197.3	1164.6	1146.0
72.5°	540.4	330.7	396.0	810.6	1164.6	1136.7	1076.2	1038.9	987.6	959.7	941.1
75°	437.9	349.4	302.8	601.0	945.7	927.1	871.2	833.9	792.0	754.7	759.4
77.5°	321.5	326.1	242.3	442.6	750.0	722.1	689.5	642.9	624.3	587.0	587.0
80°	242.3	256.2	181.7	302.8	540.4	540.4	512.4	479.9	447.3	428.6	428.6
82.5°	163.1	163.1	135.1	191.0	368.1	354.0	335.4	326.1	307.5	298.2	298.2
85°	74.5	93.1	83.9	116.5	200.3	209.6	209.6	200.3	195.7	186.4	191.0
87.5°	23.3	41.9	51.2	65.2	102.5	107.2	111.8	111.8	111.8	116.5	116.5
90°	8.5	15.3	22.1	23.9	37.5	55.8	64.9	57.6	43.2	32.4	32.4
92.5°	34.1	92.1	150.2	164.7	231.5	320.6	365.2	320.1	229.9	162.2	155.7
95°	82.0	188.1	294.4	320.9	569.8	901.7	1067.6	952.8	722.9	550.4	530.9
97.5°	141.7	235.4	329.1	352.5	767.6	1320.9	1597.6	1524.9	1379.7	1270.7	1233.6
100°	187.8	272.7	357.7	378.9	839.5	1453.5	1760.6	1765.9	1776.6	1784.5	1740.2
102.5°	227.0	306.3	385.5	405.3	872.5	1495.3	1806.8	1899.3	2084.4	2223.2	2185.3
105°	293.6	360.7	427.8	444.6	897.0	1500.1	1801.6	2009.1	2424.1	2735.3	2714.9
107.5°	361.8	424.4	487.0	502.7	901.5	1433.3	1699.2	1988.6	2567.4	3001.5	3006.5
110°	407.9	464.4	521.0	535.1	894.7	1374.2	1613.9	1937.4	2584.5	3069.8	3091.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	453.2	507.0	560.9	574.4	895.0	1322.5	1536.2	1867.3	2529.6	3026.3	3058.9
115°	521.4	571.1	620.8	633.2	903.2	1263.2	1443.2	1762.2	2400.1	2878.6	2923.9
117.5°	588.9	634.0	679.1	690.4	920.0	1226.0	1379.1	1667.0	2242.8	2674.6	2724.8
120°	628.2	670.7	713.0	723.7	933.7	1213.6	1353.5	1616.5	2142.6	2537.2	2586.0
122.5°	666.5	709.4	752.2	763.0	953.3	1207.0	1333.9	1570.7	2044.5	2399.9	2448.0
125°	725.4	764.5	803.6	813.4	979.7	1201.6	1312.6	1513.8	1916.2	2218.1	2262.4
127.5°	773.2	812.7	852.2	862.0	1006.3	1198.5	1294.7	1467.5	1813.0	2072.2	2109.5
130°	798.9	841.3	883.7	894.4	1025.5	1200.3	1287.8	1441.6	1749.2	1979.9	2014.4
132.5°	825.3	867.8	910.2	920.8	1041.1	1201.6	1281.8	1419.5	1694.9	1901.5	1932.4
135°	864.6	903.2	941.9	951.6	1058.3	1200.5	1271.6	1386.9	1617.5	1790.5	1817.1
137.5°	904.7	942.9	981.3	990.8	1083.9	1207.9	1269.9	1367.4	1562.4	1708.6	1730.4
140°	937.9	973.1	1008.5	1017.3	1099.5	1209.2	1263.9	1348.2	1516.6	1642.9	1663.2
142.5°	963.5	996.2	1028.7	1036.9	1112.6	1213.5	1263.9	1337.9	1485.8	1596.8	1614.3
145°	1002.8	1031.2	1059.7	1066.8	1129.7	1213.5	1255.4	1315.9	1436.9	1527.7	1541.0
147.5°	1042.0	1069.8	1097.5	1104.4	1154.7	1221.8	1255.4	1303.0	1398.2	1469.6	1480.6
150°	1067.6	1092.7	1117.8	1124.0	1167.8	1226.2	1255.4	1295.6	1376.0	1436.3	1445.2
152.5°	1094.1	1113.1	1132.0	1136.7	1176.3	1229.1	1255.4	1289.7	1358.4	1409.9	1416.6
155°	1133.4	1147.4	1161.4	1164.9	1195.1	1235.3	1255.4	1282.8	1337.4	1378.3	1382.8
157.5°	1162.4	1176.0	1189.7	1193.1	1213.8	1241.5	1255.4	1276.6	1319.1	1350.9	1354.1
160°	1182.0	1192.6	1203.3	1205.9	1222.5	1244.4	1255.4	1273.6	1310.0	1337.4	1339.2
162.5°	1201.6	1209.6	1217.5	1219.5	1231.5	1247.4	1255.4	1270.7	1301.5	1324.5	1326.3
165°	1223.0	1230.2	1237.3	1239.2	1244.6	1251.8	1255.4	1266.4	1288.4	1304.9	1306.7
167.5°	1242.6	1246.0	1249.4	1250.3	1254.9	1260.9	1263.9	1271.1	1285.5	1296.3	1297.1
170°	1255.4	1258.8	1262.3	1263.1	1263.4	1263.8	1263.9	1271.1	1285.5	1296.3	1296.3
172.5°	1262.2	1262.9	1263.8	1263.9	1263.9	1263.9	1263.9	1269.6	1281.0	1289.5	1288.9
175°	1271.6	1271.6	1271.6	1271.6	1269.1	1265.7	1263.9	1267.5	1274.8	1280.2	1280.2
177.5°	1271.6	1271.6	1271.6	1271.6	1269.6	1267.0	1265.7	1268.5	1274.2	1278.4	1277.7
180°	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4
2.5°	5050.1	5036.1	5050.1	5040.8	5045.5	5031.4	4989.5	4975.6	4989.5	5003.5	5003.5
5°	5110.6	5101.4	5110.6	5110.6	5106.1	5096.7	5050.1	5040.8	5050.1	5054.8	5045.5
7.5°	5129.3	5115.3	5129.3	5120.0	5120.0	5110.6	5064.1	5054.8	5059.4	5073.4	5059.4
10°	5129.3	5115.3	5129.3	5124.7	5120.0	5110.6	5064.1	5045.5	5045.5	5059.4	5045.5
12.5°	5106.1	5096.7	5106.1	5096.7	5096.7	5087.3	5040.8	5022.2	5026.8	5031.4	5012.8
15°	5068.7	5054.8	5068.7	5059.4	5064.1	5050.1	4998.9	4980.2	4980.2	4989.5	4956.9
17.5°	5012.8	4994.2	5012.8	5008.1	5003.5	4994.2	4947.6	4928.9	4924.4	4928.9	4905.7
20°	4947.6	4933.6	4947.6	4943.0	4943.0	4924.4	4877.7	4854.4	4854.4	4854.4	4831.1
22.5°	4845.2	4831.1	4845.2	4854.4	4854.4	4849.7	4807.8	4775.2	4766.0	4766.0	4738.0
25°	4728.6	4714.7	4728.6	4728.6	4724.0	4728.6	4714.7	4696.0	4682.1	4668.1	4640.1
27.5°	4616.8	4607.6	4616.8	4607.6	4616.8	4602.9	4598.2	4593.5	4574.9	4560.9	4523.7
30°	4505.1	4495.7	4505.1	4495.7	4486.4	4477.1	4453.8	4444.5	4463.1	4453.8	4393.2
32.5°	4365.3	4355.9	4365.3	4365.3	4355.9	4355.9	4318.7	4304.7	4309.4	4337.3	4281.4
35°	4220.8	4206.9	4220.8	4216.2	4220.8	4206.9	4183.6	4178.9	4160.3	4192.9	4150.9
37.5°	4053.1	4039.1	4053.1	4053.1	4053.1	4062.5	4043.8	4029.9	4001.9	4043.8	4011.2
40°	3880.7	3862.1	3880.7	3876.1	3880.7	3890.1	3880.7	3871.5	3843.5	3876.1	3848.2
42.5°	3685.1	3680.4	3685.1	3689.8	3689.8	3708.4	3722.4	3703.7	3694.4	3671.1	3689.8
45°	3475.4	3466.1	3475.4	3484.8	3489.4	3498.7	3540.7	3540.7	3526.7	3489.4	3517.3
47.5°	3251.9	3228.5	3251.9	3279.8	3279.8	3293.8	3335.6	3368.3	3345.0	3298.4	3312.4
50°	3014.3	3018.8	3014.3	3032.9	3032.9	3084.1	3116.7	3149.3	3172.7	3116.7	3051.5
52.5°	2781.3	2776.7	2781.3	2795.3	2813.9	2837.1	2893.1	2925.7	2963.0	2930.4	2827.9
55°	2548.3	2557.7	2548.3	2553.0	2562.3	2576.3	2660.1	2692.8	2762.6	2720.7	2613.6
57.5°	2315.4	2301.4	2315.4	2324.7	2329.4	2343.3	2413.3	2473.8	2515.8	2520.4	2390.0
60°	2045.2	2026.5	2045.2	2087.1	2096.5	2105.7	2171.0	2226.9	2264.1	2278.2	2143.0
62.5°	1807.6	1775.0	1807.6	1835.6	1854.2	1877.5	1924.0	2007.9	2040.5	2045.2	1854.2
65°	1556.0	1542.1	1556.0	1611.9	1616.6	1644.5	1695.8	1756.4	1826.2	1816.9	1542.1
67.5°	1327.7	1327.7	1327.7	1365.0	1393.0	1406.9	1472.2	1500.2	1588.6	1598.0	1285.8
70°	1118.1	1113.4	1118.1	1146.0	1164.6	1197.3	1257.9	1290.5	1360.4	1383.6	1043.6
72.5°	917.8	913.1	917.8	941.1	959.7	987.6	1038.9	1076.2	1136.7	1164.6	810.6
75°	740.8	731.4	740.8	759.4	754.7	792.0	833.9	871.2	927.1	945.7	601.0
77.5°	568.3	568.3	568.3	587.0	587.0	624.3	642.9	689.5	722.1	750.0	442.6
80°	424.0	419.3	424.0	428.6	428.6	447.3	479.9	512.4	540.4	540.4	302.8
82.5°	298.2	288.8	298.2	298.2	298.2	307.5	326.1	335.4	354.0	368.1	191.0
85°	186.4	186.4	186.4	191.0	186.4	195.7	200.3	209.6	209.6	200.3	116.5
87.5°	121.1	116.5	121.1	116.5	116.5	111.8	111.8	111.8	107.2	102.5	65.2
90°	32.4	32.4	32.4	32.4	32.4	43.2	57.6	64.9	55.8	37.5	23.9
92.5°	129.9	104.2	129.9	155.7	162.2	229.9	320.1	365.2	320.6	231.5	164.7
95°	452.8	374.7	452.8	530.9	550.4	722.9	952.8	1067.6	901.7	569.8	320.9
97.5°	1084.9	936.2	1084.9	1233.6	1270.7	1379.7	1524.9	1597.6	1320.9	767.6	352.5
100°	1563.1	1386.0	1563.1	1740.2	1784.5	1776.6	1765.9	1760.6	1453.5	839.5	378.9
102.5°	2033.5	1881.8	2033.5	2185.3	2223.2	2084.4	1899.3	1806.8	1495.3	872.5	405.3
105°	2633.3	2551.7	2633.3	2714.9	2735.3	2424.1	2009.1	1801.6	1500.1	897.0	444.6
107.5°	3026.2	3045.9	3026.2	3006.5	3001.5	2567.4	1988.6	1699.2	1433.3	901.5	502.7
110°	3176.0	3260.9	3176.0	3091.0	3069.8	2584.5	1937.4	1613.9	1374.2	894.7	535.1



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CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3189.4	3319.9	3189.4	3058.9	3026.3	2529.6	1867.3	1536.2	1322.5	895.0	574.4
115°	3104.7	3285.7	3104.7	2923.9	2878.6	2400.1	1762.2	1443.2	1263.2	903.2	633.2
117.5°	2925.4	3126.1	2925.4	2724.8	2674.6	2242.8	1667.0	1379.1	1226.0	920.0	690.4
120°	2781.0	2975.9	2781.0	2586.0	2537.2	2142.6	1616.5	1353.5	1213.6	933.7	723.7
122.5°	2640.2	2832.6	2640.2	2448.0	2399.9	2044.5	1570.7	1333.9	1207.0	953.3	763.0
125°	2439.5	2616.6	2439.5	2262.4	2218.1	1916.2	1513.8	1312.6	1201.6	979.7	813.4
127.5°	2259.0	2408.4	2259.0	2109.5	2072.2	1813.0	1467.5	1294.7	1198.5	1006.3	862.0
130°	2152.5	2290.7	2152.5	2014.4	1979.9	1749.2	1441.6	1287.8	1200.3	1025.5	894.4
132.5°	2056.0	2179.7	2056.0	1932.4	1901.5	1694.9	1419.5	1281.8	1201.6	1041.1	920.8
135°	1923.8	2030.3	1923.8	1817.1	1790.5	1617.5	1386.9	1271.6	1200.5	1058.3	951.6
137.5°	1817.6	1904.9	1817.6	1730.4	1708.6	1562.4	1367.4	1269.9	1207.9	1083.9	990.8
140°	1744.8	1826.3	1744.8	1663.2	1642.9	1516.6	1348.2	1263.9	1209.2	1099.5	1017.3
142.5°	1684.5	1754.6	1684.5	1614.3	1596.8	1485.8	1337.9	1263.9	1213.5	1112.6	1036.9
145°	1594.0	1647.1	1594.0	1541.0	1527.7	1436.9	1315.9	1255.4	1213.5	1129.7	1066.8
147.5°	1524.6	1568.6	1524.6	1480.6	1469.6	1398.2	1303.0	1255.4	1221.8	1154.7	1104.4
150°	1480.9	1516.6	1480.9	1445.2	1436.3	1376.0	1295.6	1255.4	1226.2	1167.8	1124.0
152.5°	1443.5	1470.4	1443.5	1416.6	1409.9	1358.4	1289.7	1255.4	1229.1	1176.3	1136.7
155°	1400.6	1418.4	1400.6	1382.8	1378.3	1337.4	1282.8	1255.4	1235.3	1195.1	1164.9
157.5°	1366.6	1379.1	1366.6	1354.1	1350.9	1319.1	1276.6	1255.4	1241.5	1213.8	1193.1
160°	1346.4	1353.5	1346.4	1339.2	1337.4	1310.0	1273.6	1255.4	1244.4	1222.5	1205.9
162.5°	1333.0	1339.9	1333.0	1326.3	1324.5	1301.5	1270.7	1255.4	1247.4	1231.5	1219.5
165°	1313.9	1321.1	1313.9	1306.7	1304.9	1288.4	1266.4	1255.4	1251.8	1244.6	1239.2
167.5°	1300.2	1303.2	1300.2	1297.1	1296.3	1285.5	1271.1	1263.9	1260.9	1254.9	1250.3
170°	1296.3	1296.3	1296.3	1296.3	1296.3	1285.5	1271.1	1263.9	1263.8	1263.4	1263.1
172.5°	1286.2	1283.6	1286.2	1288.9	1289.5	1281.0	1269.6	1263.9	1263.9	1263.9	1263.9
175°	1280.2	1280.2	1280.2	1280.2	1280.2	1274.8	1267.5	1263.9	1265.7	1269.1	1271.6
177.5°	1274.7	1271.6	1274.7	1277.7	1278.4	1274.2	1268.5	1265.7	1267.0	1269.6	1271.6
180°	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4
2.5°	4994.2	4966.3	4966.3	4919.7	4901.0	4887.1	4863.8	4793.9	4775.2	4756.6	4784.6
5°	5036.1	4984.9	4947.6	4863.8	4793.9	4766.0	4677.4	4509.6	4397.9	4314.0	4267.5
7.5°	5045.5	4980.2	4910.3	4779.9	4612.2	4537.6	4267.5	3959.9	3876.1	3801.6	3754.9
10°	5036.1	4961.6	4863.8	4668.1	4272.1	4141.6	3871.5	3671.1	3619.8	3605.9	3619.8
12.5°	5003.5	4933.6	4798.5	4472.4	3918.0	3829.5	3671.1	3554.6	3545.3	3568.6	3694.4
15°	4947.6	4882.4	4724.0	4211.5	3722.4	3657.1	3545.3	3503.4	3554.6	3717.7	4095.0
17.5°	4891.7	4817.2	4621.5	3955.3	3573.3	3526.7	3447.5	3531.4	3820.2	4039.1	4165.0
20°	4817.2	4728.6	4505.1	3769.0	3466.1	3424.2	3386.9	3764.3	3983.3	4062.5	4132.3
22.5°	4728.6	4635.5	4346.7	3638.5	3354.4	3321.7	3345.0	3894.7	3983.3	4039.1	4099.7
25°	4612.2	4533.0	4160.3	3536.0	3265.8	3228.5	3317.0	3880.7	3932.0	3946.0	4067.1
27.5°	4505.1	4402.5	3964.6	3442.8	3158.6	3144.7	3340.3	3820.2	3857.4	3871.5	4001.9
30°	4374.6	4220.8	3745.7	3345.0	3046.8	3042.2	3345.0	3745.7	3736.3	3773.6	3904.1
32.5°	4239.5	3950.7	3498.7	3223.9	2939.7	2935.1	3312.4	3633.8	3624.5	3675.7	3773.6
35°	4113.7	3741.0	3163.3	3084.1	2804.6	2809.2	3233.2	3503.4	3508.1	3554.6	3615.2
37.5°	3983.3	3559.3	2795.3	2930.4	2674.2	2674.2	3126.0	3382.3	3373.0	3386.9	3470.8
40°	3829.5	3275.1	2469.2	2730.1	2553.0	2539.0	2995.6	3251.9	3219.2	3214.6	3331.0
42.5°	3666.5	2963.0	2226.9	2464.5	2413.3	2394.6	2837.1	3093.5	3032.9	3046.8	3195.9
45°	3489.4	2879.1	2040.5	2082.4	2268.8	2254.9	2664.8	2911.8	2869.8	2907.1	3060.8
47.5°	3312.4	2711.4	1980.0	1728.4	2115.1	2110.4	2473.8	2734.7	2711.4	2748.7	2911.8
50°	3070.1	2525.0	1975.3	1481.5	1942.7	1961.3	2245.5	2562.3	2562.3	2595.0	2767.3
52.5°	2757.9	2296.8	1793.6	1341.8	1742.3	1798.3	2045.2	2413.3	2422.5	2455.2	2608.9
55°	2473.8	2059.2	1663.1	1234.6	1504.7	1625.9	1849.5	2259.5	2278.2	2310.8	2450.5
57.5°	2212.9	1714.4	1635.2	1108.8	1285.8	1402.3	1677.2	2110.4	2119.8	2147.7	2282.8
60°	1933.4	1239.3	1500.2	973.7	1094.8	1183.4	1518.8	1933.4	1966.0	1984.6	2101.1
62.5°	1616.6	899.2	1360.4	880.5	1001.7	1020.3	1388.3	1765.6	1807.6	1821.5	1891.5
65°	1150.7	754.7	1155.4	801.3	903.8	908.4	1248.5	1593.3	1630.6	1653.9	1705.1
67.5°	778.0	614.9	880.5	726.7	829.2	833.9	1113.4	1393.0	1444.2	1462.9	1495.5
70°	540.4	409.9	652.2	647.5	745.4	754.7	969.0	1211.3	1257.9	1271.8	1290.5
72.5°	396.0	330.7	540.4	582.4	656.9	666.2	820.0	1006.3	1052.9	1066.8	1076.2
75°	302.8	349.4	437.9	507.8	559.1	563.7	670.8	820.0	852.5	861.9	866.5
77.5°	242.3	326.1	321.5	409.9	456.6	447.3	526.5	633.6	661.6	661.6	661.6
80°	181.7	256.2	242.3	293.5	335.4	326.1	377.4	451.9	461.2	470.5	465.9
82.5°	135.1	163.1	163.1	186.4	223.6	214.3	251.5	293.5	293.5	293.5	302.8
85°	83.9	93.1	74.5	97.8	125.8	121.1	139.8	158.4	163.1	163.1	153.7
87.5°	51.2	41.9	23.3	37.3	55.9	55.9	65.2	69.8	65.2	65.2	65.2
90°	22.1	15.3	8.5	15.3	22.1	23.9	37.5	55.8	64.9	57.6	43.2
92.5°	150.2	92.1	34.1	92.1	150.2	164.7	231.5	320.6	365.2	320.1	229.9
95°	294.4	188.1	82.0	188.1	294.4	320.9	569.8	901.7	1067.6	952.8	722.9
97.5°	329.1	235.4	141.7	235.4	329.1	352.5	767.6	1320.9	1597.6	1524.9	1379.7
100°	357.7	272.7	187.8	272.7	357.7	378.9	839.5	1453.5	1760.6	1765.9	1776.6
102.5°	385.5	306.3	227.0	306.3	385.5	405.3	872.5	1495.3	1806.8	1899.3	2084.4
105°	427.8	360.7	293.6	360.7	427.8	444.6	897.0	1500.1	1801.6	2009.1	2424.1
107.5°	487.0	424.4	361.8	424.4	487.0	502.7	901.5	1433.3	1699.2	1988.6	2567.4
110°	521.0	464.4	407.9	464.4	521.0	535.1	894.7	1374.2	1613.9	1937.4	2584.5



TEST NUMBER: P934956

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	560.9	507.0	453.2	507.0	560.9	574.4	895.0	1322.5	1536.2	1867.3	2529.6
115°	620.8	571.1	521.4	571.1	620.8	633.2	903.2	1263.2	1443.2	1762.2	2400.1
117.5°	679.1	634.0	588.9	634.0	679.1	690.4	920.0	1226.0	1379.1	1667.0	2242.8
120°	713.0	670.7	628.2	670.7	713.0	723.7	933.7	1213.6	1353.5	1616.5	2142.6
122.5°	752.2	709.4	666.5	709.4	752.2	763.0	953.3	1207.0	1333.9	1570.7	2044.5
125°	803.6	764.5	725.4	764.5	803.6	813.4	979.7	1201.6	1312.6	1513.8	1916.2
127.5°	852.2	812.7	773.2	812.7	852.2	862.0	1006.3	1198.5	1294.7	1467.5	1813.0
130°	883.7	841.3	798.9	841.3	883.7	894.4	1025.5	1200.3	1287.8	1441.6	1749.2
132.5°	910.2	867.8	825.3	867.8	910.2	920.8	1041.1	1201.6	1281.8	1419.5	1694.9
135°	941.9	903.2	864.6	903.2	941.9	951.6	1058.3	1200.5	1271.6	1386.9	1617.5
137.5°	981.3	942.9	904.7	942.9	981.3	990.8	1083.9	1207.9	1269.9	1367.4	1562.4
140°	1008.5	973.1	937.9	973.1	1008.5	1017.3	1099.5	1209.2	1263.9	1348.2	1516.6
142.5°	1028.7	996.2	963.5	996.2	1028.7	1036.9	1112.6	1213.5	1263.9	1337.9	1485.8
145°	1059.7	1031.2	1002.8	1031.2	1059.7	1066.8	1129.7	1213.5	1255.4	1315.9	1436.9
147.5°	1097.5	1069.8	1042.0	1069.8	1097.5	1104.4	1154.7	1221.8	1255.4	1303.0	1398.2
150°	1117.8	1092.7	1067.6	1092.7	1117.8	1124.0	1167.8	1226.2	1255.4	1295.6	1376.0
152.5°	1132.0	1113.1	1094.1	1113.1	1132.0	1136.7	1176.3	1229.1	1255.4	1289.7	1358.4
155°	1161.4	1147.4	1133.4	1147.4	1161.4	1164.9	1195.1	1235.3	1255.4	1282.8	1337.4
157.5°	1189.7	1176.0	1162.4	1176.0	1189.7	1193.1	1213.8	1241.5	1255.4	1276.6	1319.1
160°	1203.3	1192.6	1182.0	1192.6	1203.3	1205.9	1222.5	1244.4	1255.4	1273.6	1310.0
162.5°	1217.5	1209.6	1201.6	1209.6	1217.5	1219.5	1231.5	1247.4	1255.4	1270.7	1301.5
165°	1237.3	1230.2	1223.0	1230.2	1237.3	1239.2	1244.6	1251.8	1255.4	1266.4	1288.4
167.5°	1249.4	1246.0	1242.6	1246.0	1249.4	1250.3	1254.9	1260.9	1263.9	1271.1	1285.5
170°	1262.3	1258.8	1255.4	1258.8	1262.3	1263.1	1263.4	1263.8	1263.9	1271.1	1285.5
172.5°	1263.8	1262.9	1262.2	1262.9	1263.8	1263.9	1263.9	1263.9	1263.9	1269.6	1281.0
175°	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1269.1	1265.7	1263.9	1267.5	1274.8
177.5°	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1269.6	1267.0	1265.7	1268.5	1274.2
180°	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6



TEST NUMBER: P934956

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4
2.5°	4751.9	4738.0	4756.6	4705.4	4756.6	4738.0	4751.9	4784.6	4756.6	4775.2	4793.9
5°	4169.6	4146.3	4071.7	4011.2	4071.7	4146.3	4169.6	4267.5	4314.0	4397.9	4509.6
7.5°	3727.0	3708.4	3689.8	3652.5	3689.8	3708.4	3727.0	3754.9	3801.6	3876.1	3959.9
10°	3629.2	3633.8	3661.8	3657.1	3661.8	3633.8	3629.2	3619.8	3605.9	3619.8	3671.1
12.5°	3880.7	3922.7	4076.4	4067.1	4076.4	3922.7	3880.7	3694.4	3568.6	3545.3	3554.6
15°	4169.6	4183.6	4216.2	4220.8	4216.2	4183.6	4169.6	4095.0	3717.7	3554.6	3503.4
17.5°	4197.5	4202.2	4225.5	4225.5	4225.5	4202.2	4197.5	4165.0	4039.1	3820.2	3531.4
20°	4174.2	4183.6	4230.2	4239.5	4230.2	4183.6	4174.2	4132.3	4062.5	3983.3	3764.3
22.5°	4165.0	4183.6	4220.8	4216.2	4220.8	4183.6	4165.0	4099.7	4039.1	3983.3	3894.7
25°	4118.3	4118.3	4123.0	4127.7	4123.0	4118.3	4118.3	4067.1	3946.0	3932.0	3880.7
27.5°	4020.5	4029.9	4057.8	4053.1	4057.8	4029.9	4020.5	4001.9	3871.5	3857.4	3820.2
30°	3932.0	3922.7	3899.4	3880.7	3899.4	3922.7	3932.0	3904.1	3773.6	3736.3	3745.7
32.5°	3782.9	3759.6	3736.3	3722.4	3736.3	3759.6	3782.9	3773.6	3675.7	3624.5	3633.8
35°	3605.9	3610.6	3605.9	3591.9	3605.9	3610.6	3605.9	3615.2	3554.6	3508.1	3503.4
37.5°	3480.1	3489.4	3484.8	3466.1	3484.8	3489.4	3480.1	3470.8	3386.9	3373.0	3382.3
40°	3349.7	3354.4	3349.7	3335.6	3349.7	3354.4	3349.7	3331.0	3214.6	3219.2	3251.9
42.5°	3223.9	3219.2	3205.2	3195.9	3205.2	3219.2	3223.9	3195.9	3046.8	3032.9	3093.5
45°	3079.4	3084.1	3056.1	3042.2	3056.1	3084.1	3079.4	3060.8	2907.1	2869.8	2911.8
47.5°	2935.1	2935.1	2911.8	2897.7	2911.8	2935.1	2935.1	2911.8	2748.7	2711.4	2734.7
50°	2781.3	2776.7	2744.0	2739.3	2744.0	2776.7	2781.3	2767.3	2595.0	2562.3	2562.3
52.5°	2604.2	2604.2	2608.9	2618.2	2608.9	2604.2	2604.2	2608.9	2455.2	2422.5	2413.3
55°	2450.5	2455.2	2487.8	2497.1	2487.8	2455.2	2450.5	2450.5	2310.8	2278.2	2259.5
57.5°	2292.1	2292.1	2315.4	2315.4	2315.4	2292.1	2292.1	2282.8	2147.7	2119.8	2110.4
60°	2110.4	2119.8	2138.4	2133.7	2138.4	2119.8	2110.4	2101.1	1984.6	1966.0	1933.4
62.5°	1919.5	1928.7	1933.4	1924.0	1933.4	1928.7	1919.5	1891.5	1821.5	1807.6	1765.6
65°	1719.1	1728.4	1733.1	1723.7	1733.1	1728.4	1719.1	1705.1	1653.9	1630.6	1593.3
67.5°	1514.1	1509.4	1504.7	1523.4	1504.7	1509.4	1514.1	1495.5	1462.9	1444.2	1393.0
70°	1304.4	1304.4	1299.8	1309.1	1299.8	1304.4	1304.4	1290.5	1271.8	1257.9	1211.3
72.5°	1080.9	1076.2	1094.8	1080.9	1094.8	1076.2	1080.9	1076.2	1066.8	1052.9	1006.3
75°	861.9	871.2	861.9	875.8	861.9	871.2	861.9	866.5	861.9	852.5	820.0
77.5°	656.9	666.2	656.9	656.9	656.9	666.2	656.9	661.6	661.6	661.6	633.6
80°	465.9	461.2	461.2	456.6	461.2	461.2	465.9	465.9	470.5	461.2	451.9
82.5°	298.2	293.5	293.5	302.8	293.5	293.5	298.2	302.8	293.5	293.5	293.5
85°	163.1	167.8	158.4	158.4	158.4	167.8	163.1	153.7	163.1	163.1	158.4
87.5°	60.6	55.9	55.9	55.9	55.9	55.9	60.6	65.2	65.2	65.2	69.8
90°	32.4	32.4	32.4	32.4	32.4	32.4	32.4	43.2	57.6	64.9	55.8
92.5°	162.2	155.7	129.9	104.2	129.9	155.7	162.2	229.9	320.1	365.2	320.6
95°	550.4	530.9	452.8	374.7	452.8	530.9	550.4	722.9	952.8	1067.6	901.7
97.5°	1270.7	1233.6	1084.9	936.2	1084.9	1233.6	1270.7	1379.7	1524.9	1597.6	1320.9
100°	1784.5	1740.2	1563.1	1386.0	1563.1	1740.2	1784.5	1776.6	1765.9	1760.6	1453.5
102.5°	2223.2	2185.3	2033.5	1881.8	2033.5	2185.3	2223.2	2084.4	1899.3	1806.8	1495.3
105°	2735.3	2714.9	2633.3	2551.7	2633.3	2714.9	2735.3	2424.1	2009.1	1801.6	1500.1
107.5°	3001.5	3006.5	3026.2	3045.9	3026.2	3006.5	3001.5	2567.4	1988.6	1699.2	1433.3
110°	3069.8	3091.0	3176.0	3260.9	3176.0	3091.0	3069.8	2584.5	1937.4	1613.9	1374.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3026.3	3058.9	3189.4	3319.9	3189.4	3058.9	3026.3	2529.6	1867.3	1536.2	1322.5
115°	2878.6	2923.9	3104.7	3285.7	3104.7	2923.9	2878.6	2400.1	1762.2	1443.2	1263.2
117.5°	2674.6	2724.8	2925.4	3126.1	2925.4	2724.8	2674.6	2242.8	1667.0	1379.1	1226.0
120°	2537.2	2586.0	2781.0	2975.9	2781.0	2586.0	2537.2	2142.6	1616.5	1353.5	1213.6
122.5°	2399.9	2448.0	2640.2	2832.6	2640.2	2448.0	2399.9	2044.5	1570.7	1333.9	1207.0
125°	2218.1	2262.4	2439.5	2616.6	2439.5	2262.4	2218.1	1916.2	1513.8	1312.6	1201.6
127.5°	2072.2	2109.5	2259.0	2408.4	2259.0	2109.5	2072.2	1813.0	1467.5	1294.7	1198.5
130°	1979.9	2014.4	2152.5	2290.7	2152.5	2014.4	1979.9	1749.2	1441.6	1287.8	1200.3
132.5°	1901.5	1932.4	2056.0	2179.7	2056.0	1932.4	1901.5	1694.9	1419.5	1281.8	1201.6
135°	1790.5	1817.1	1923.8	2030.3	1923.8	1817.1	1790.5	1617.5	1386.9	1271.6	1200.5
137.5°	1708.6	1730.4	1817.6	1904.9	1817.6	1730.4	1708.6	1562.4	1367.4	1269.9	1207.9
140°	1642.9	1663.2	1744.8	1826.3	1744.8	1663.2	1642.9	1516.6	1348.2	1263.9	1209.2
142.5°	1596.8	1614.3	1684.5	1754.6	1684.5	1614.3	1596.8	1485.8	1337.9	1263.9	1213.5
145°	1527.7	1541.0	1594.0	1647.1	1594.0	1541.0	1527.7	1436.9	1315.9	1255.4	1213.5
147.5°	1469.6	1480.6	1524.6	1568.6	1524.6	1480.6	1469.6	1398.2	1303.0	1255.4	1221.8
150°	1436.3	1445.2	1480.9	1516.6	1480.9	1445.2	1436.3	1376.0	1295.6	1255.4	1226.2
152.5°	1409.9	1416.6	1443.5	1470.4	1443.5	1416.6	1409.9	1358.4	1289.7	1255.4	1229.1
155°	1378.3	1382.8	1400.6	1418.4	1400.6	1382.8	1378.3	1337.4	1282.8	1255.4	1235.3
157.5°	1350.9	1354.1	1366.6	1379.1	1366.6	1354.1	1350.9	1319.1	1276.6	1255.4	1241.5
160°	1337.4	1339.2	1346.4	1353.5	1346.4	1339.2	1337.4	1310.0	1273.6	1255.4	1244.4
162.5°	1324.5	1326.3	1333.0	1339.9	1333.0	1326.3	1324.5	1301.5	1270.7	1255.4	1247.4
165°	1304.9	1306.7	1313.9	1321.1	1313.9	1306.7	1304.9	1288.4	1266.4	1255.4	1251.8
167.5°	1296.3	1297.1	1300.2	1303.2	1300.2	1297.1	1296.3	1285.5	1271.1	1263.9	1260.9
170°	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1285.5	1271.1	1263.9	1263.8
172.5°	1289.5	1288.9	1286.2	1283.6	1286.2	1288.9	1289.5	1281.0	1269.6	1263.9	1263.9
175°	1280.2	1280.2	1280.2	1280.2	1280.2	1280.2	1280.2	1274.8	1267.5	1263.9	1265.7
177.5°	1278.4	1277.7	1274.7	1271.6	1274.7	1277.7	1278.4	1274.2	1268.5	1265.7	1267.0
180°	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4924.4	4924.4	4924.4	4924.4	4924.4
2.5°	4863.8	4887.1	4901.0	4919.7	4966.3
5°	4677.4	4766.0	4793.9	4863.8	4947.6
7.5°	4267.5	4537.6	4612.2	4779.9	4910.3
10°	3871.5	4141.6	4272.1	4668.1	4863.8
12.5°	3671.1	3829.5	3918.0	4472.4	4798.5
15°	3545.3	3657.1	3722.4	4211.5	4724.0
17.5°	3447.5	3526.7	3573.3	3955.3	4621.5
20°	3386.9	3424.2	3466.1	3769.0	4505.1
22.5°	3345.0	3321.7	3354.4	3638.5	4346.7
25°	3317.0	3228.5	3265.8	3536.0	4160.3
27.5°	3340.3	3144.7	3158.6	3442.8	3964.6
30°	3345.0	3042.2	3046.8	3345.0	3745.7
32.5°	3312.4	2935.1	2939.7	3223.9	3498.7
35°	3233.2	2809.2	2804.6	3084.1	3163.3
37.5°	3126.0	2674.2	2674.2	2930.4	2795.3
40°	2995.6	2539.0	2553.0	2730.1	2469.2
42.5°	2837.1	2394.6	2413.3	2464.5	2226.9
45°	2664.8	2254.9	2268.8	2082.4	2040.5
47.5°	2473.8	2110.4	2115.1	1728.4	1980.0
50°	2245.5	1961.3	1942.7	1481.5	1975.3
52.5°	2045.2	1798.3	1742.3	1341.8	1793.6
55°	1849.5	1625.9	1504.7	1234.6	1663.1
57.5°	1677.2	1402.3	1285.8	1108.8	1635.2
60°	1518.8	1183.4	1094.8	973.7	1500.2
62.5°	1388.3	1020.3	1001.7	880.5	1360.4
65°	1248.5	908.4	903.8	801.3	1155.4
67.5°	1113.4	833.9	829.2	726.7	880.5
70°	969.0	754.7	745.4	647.5	652.2
72.5°	820.0	666.2	656.9	582.4	540.4
75°	670.8	563.7	559.1	507.8	437.9
77.5°	526.5	447.3	456.6	409.9	321.5
80°	377.4	326.1	335.4	293.5	242.3
82.5°	251.5	214.3	223.6	186.4	163.1
85°	139.8	121.1	125.8	97.8	74.5
87.5°	65.2	55.9	55.9	37.3	23.3
90°	37.5	23.9	22.1	15.3	8.5
92.5°	231.5	164.7	150.2	92.1	34.1
95°	569.8	320.9	294.4	188.1	82.0
97.5°	767.6	352.5	329.1	235.4	141.7
100°	839.5	378.9	357.7	272.7	187.8
102.5°	872.5	405.3	385.5	306.3	227.0
105°	897.0	444.6	427.8	360.7	293.6
107.5°	901.5	502.7	487.0	424.4	361.8
110°	894.7	535.1	521.0	464.4	407.9



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CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	895.0	574.4	560.9	507.0	453.2
115°	903.2	633.2	620.8	571.1	521.4
117.5°	920.0	690.4	679.1	634.0	588.9
120°	933.7	723.7	713.0	670.7	628.2
122.5°	953.3	763.0	752.2	709.4	666.5
125°	979.7	813.4	803.6	764.5	725.4
127.5°	1006.3	862.0	852.2	812.7	773.2
130°	1025.5	894.4	883.7	841.3	798.9
132.5°	1041.1	920.8	910.2	867.8	825.3
135°	1058.3	951.6	941.9	903.2	864.6
137.5°	1083.9	990.8	981.3	942.9	904.7
140°	1099.5	1017.3	1008.5	973.1	937.9
142.5°	1112.6	1036.9	1028.7	996.2	963.5
145°	1129.7	1066.8	1059.7	1031.2	1002.8
147.5°	1154.7	1104.4	1097.5	1069.8	1042.0
150°	1167.8	1124.0	1117.8	1092.7	1067.6
152.5°	1176.3	1136.7	1132.0	1113.1	1094.1
155°	1195.1	1164.9	1161.4	1147.4	1133.4
157.5°	1213.8	1193.1	1189.7	1176.0	1162.4
160°	1222.5	1205.9	1203.3	1192.6	1182.0
162.5°	1231.5	1219.5	1217.5	1209.6	1201.6
165°	1244.6	1239.2	1237.3	1230.2	1223.0
167.5°	1254.9	1250.3	1249.4	1246.0	1242.6
170°	1263.4	1263.1	1262.3	1258.8	1255.4
172.5°	1263.9	1263.9	1263.8	1262.9	1262.2
175°	1269.1	1271.6	1271.6	1271.6	1271.6
177.5°	1269.6	1271.6	1271.6	1271.6	1271.6
180°	1271.6	1271.6	1271.6	1271.6	1271.6



TEST NUMBER: P934956
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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	15.21	16.18	16.07	17.06	18.17	18.06	19.03	18.92	19.91	21.02
	3H	15.70	16.57	16.57	17.46	18.59	19.42	20.29	20.30	21.18	22.32
	4H	15.89	16.71	16.78	17.61	18.75	19.88	20.70	20.77	21.59	22.74
	6H	16.02	16.77	16.92	17.68	18.83	20.17	20.93	21.07	21.83	22.99
	8H	16.02	16.74	16.93	17.66	18.82	20.25	20.97	21.16	21.89	23.05
	12H	16.00	16.68	16.91	17.60	18.78	20.30	20.98	21.21	21.90	23.08
4H	2H	16.26	17.08	17.16	17.98	19.12	18.49	19.30	19.38	20.20	21.35
	3H	17.30	17.98	18.20	18.91	20.07	20.01	20.69	20.91	21.62	22.78
	4H	17.58	18.20	18.50	19.13	20.31	20.54	21.17	21.46	22.09	23.28
	6H	17.71	18.25	18.64	19.20	20.38	20.92	21.46	21.85	22.41	23.59
	8H	17.72	18.22	18.65	19.16	20.36	21.03	21.54	21.96	22.48	23.68
	12H	17.69	18.14	18.64	19.10	20.31	21.10	21.55	22.05	22.51	23.72
8H	4H	18.05	18.55	18.98	19.49	20.69	20.68	21.18	21.61	22.12	23.32
	6H	18.31	18.73	19.27	19.71	20.91	21.12	21.54	22.08	22.52	23.72
	8H	18.36	18.72	19.32	19.70	20.91	21.28	21.65	22.25	22.62	23.84
	12H	18.34	18.67	19.32	19.63	20.90	21.39	21.71	22.36	22.68	23.94
12H	4H	18.06	18.51	19.01	19.47	20.68	20.65	21.10	21.60	22.06	23.26
	6H	18.38	18.74	19.34	19.72	20.93	21.12	21.49	22.09	22.46	23.68
	8H	18.45	18.77	19.42	19.74	21.00	21.29	21.61	22.26	22.58	23.85