

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: P935889

Luminaire Tested: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935889
REPORT IS A COMBINATION OF REPORTS P933771 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

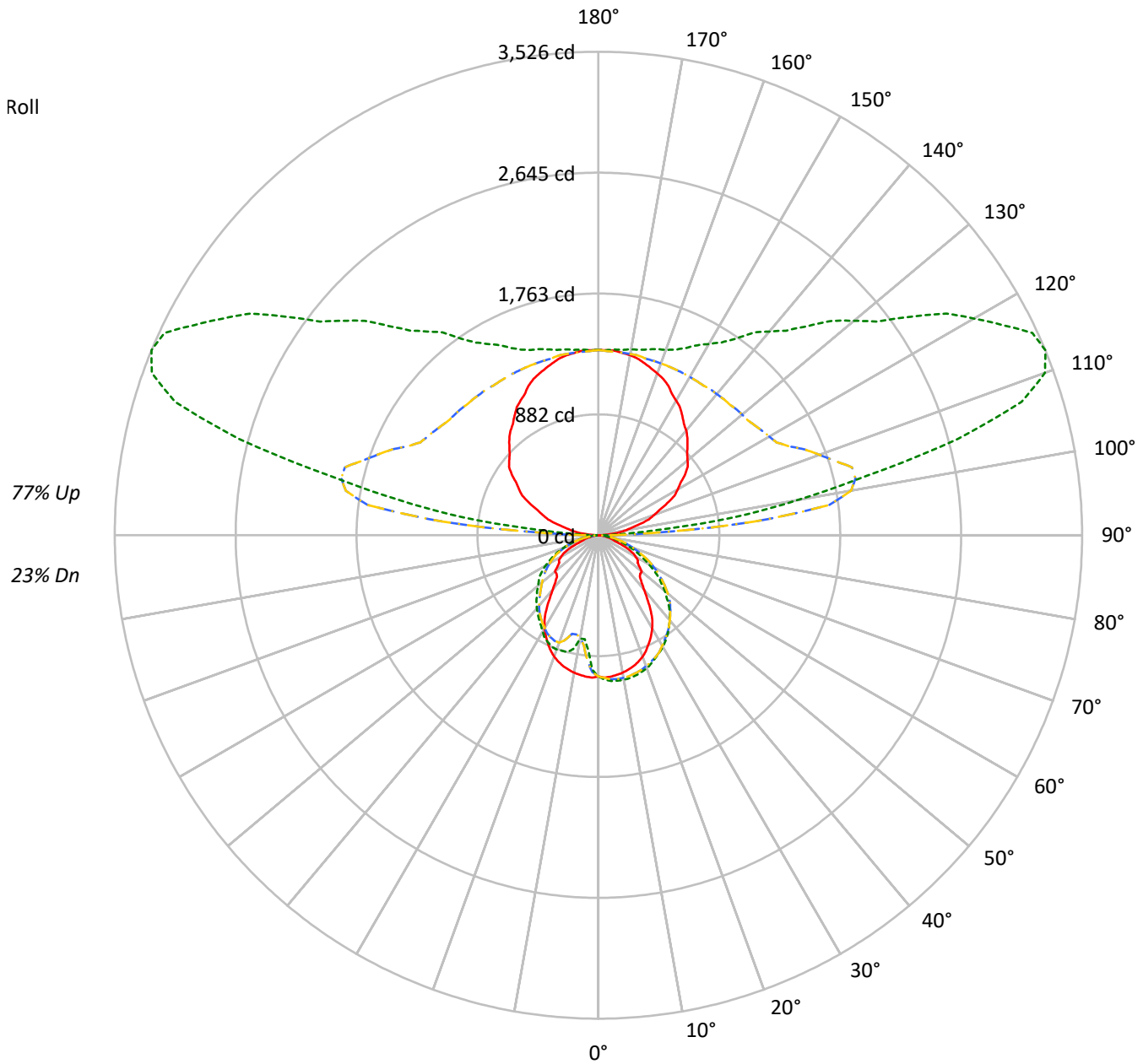
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11433.2 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 83.4
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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CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-3500K

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6374	6374	6374	6374
5°	6419	6434	6419	5059
10°	6373	6338	6373	4531
15°	6303	6201	6303	5177
20°	6168	6038	6168	5188
25°	5896	5801	5896	5079
30°	5545	5604	5545	4837
35°	4941	5354	4941	4572
40°	4115	5061	4115	4372
45°	3674	4718	3674	4141
50°	3900	4309	3900	3910
55°	3666	3868	3666	3776
60°	3775	3284	3775	3458
65°	3417	2716	3417	3035
70°	2359	2163	2359	2544
75°	2063	1599	2063	1915
80°	1650	1057	1650	1151
85°	930	560	930	475

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5635 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	0.8
10°-20°	264.1	2.3
20°-30°	408.2	3.6
30°-40°	487.3	4.3
40°-50°	490.2	4.3
50°-60°	426.5	3.7
60°-70°	302.4	2.6
70°-80°	160.0	1.4
80°-90°	45.0	0.4
90°-100°	658.4	5.8
100°-110°	1731.1	15.1
110°-120°	1794.9	15.7
120°-130°	1439.7	12.6
130°-140°	1129.7	9.9
140°-150°	867.1	7.6
150°-160°	624.4	5.5
160°-170°	382.1	3.3
170°-180°	129.1	1.1
0°-30°	765.3	6.7
0°-40°	1252.6	11.0
0°-60°	2169.3	19.0
0°-90°	2676.7	23.4
90°-120°	4184.4	36.6
90°-150°	7621.0	66.7
90°-180°	8757.0	76.6
0°-180°	11433.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1030	1030	1030	1030	1030	
5°	1035	1067	1035	839	1035	98
15°	988	1058	988	883	988	278
25°	870	986	870	864	870	400
35°	662	880	662	752	662	409
45°	427	725	427	636	427	342
55°	348	535	348	522	348	320
65°	242	323	242	361	242	231
75°	92	153	92	183	92	96
85°	16	39	16	33	16	21
90°	9	34	9	34	9	8
95°	87	398	87	398	87	97
105°	312	2711	312	2711	312	331
115°	554	3490	554	3490	554	547
125°	770	2780	770	2780	770	684
135°	918	2157	918	2157	918	711
145°	1065	1750	1065	1750	1065	667
155°	1204	1507	1204	1507	1204	553
165°	1299	1403	1299	1403	1299	367
175°	1351	1360	1351	1360	1351	128
180°	1351	1351	1351	1351	1351	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3
2.5°	1039.2	1039.2	1045.0	1046.9	1046.9	1044.0	1041.1	1044.0	1052.8	1055.7	1054.8
5°	1035.2	1043.0	1053.8	1055.7	1057.7	1056.7	1054.8	1056.7	1066.4	1068.4	1069.4
7.5°	1027.4	1042.1	1055.7	1058.6	1061.5	1058.6	1057.7	1059.6	1069.4	1071.3	1071.3
10°	1017.6	1038.2	1053.8	1055.7	1058.6	1055.7	1055.7	1059.6	1069.4	1071.3	1072.3
12.5°	1004.1	1032.3	1046.9	1048.8	1052.8	1051.8	1050.8	1054.8	1064.4	1066.4	1066.4
15°	988.5	1021.6	1035.2	1037.2	1044.0	1042.1	1042.1	1045.9	1056.7	1059.6	1058.6
17.5°	967.0	1008.0	1023.6	1026.5	1031.3	1030.3	1031.3	1035.2	1045.0	1046.9	1047.9
20°	942.6	989.4	1008.0	1010.9	1015.7	1015.7	1015.7	1020.6	1030.3	1034.2	1034.2
22.5°	909.5	969.9	989.4	991.4	997.2	997.2	999.1	1006.0	1014.7	1015.7	1015.7
25°	870.5	948.5	965.0	970.9	976.8	979.7	982.6	986.5	989.4	988.5	989.4
27.5°	829.6	921.1	942.6	946.5	954.4	957.3	961.2	962.1	963.1	966.0	964.1
30°	783.7	883.1	915.3	919.2	931.9	933.8	929.9	931.9	936.7	938.8	940.7
32.5°	732.1	826.7	887.0	895.8	907.6	901.7	900.7	903.6	911.4	911.4	913.4
35°	661.9	782.8	860.8	868.5	877.3	870.5	874.4	875.4	880.2	883.1	882.2
37.5°	584.9	744.8	833.4	839.3	846.1	837.3	843.2	846.1	850.0	848.1	848.1
40°	516.7	685.3	801.3	805.1	811.1	804.2	810.1	812.0	814.0	812.0	811.1
42.5°	466.0	620.0	767.2	772.0	768.1	773.0	775.0	778.9	776.0	772.0	772.0
45°	426.9	602.4	730.1	736.0	730.1	737.9	740.8	740.8	732.1	730.1	729.2
47.5°	414.2	567.3	693.1	693.1	690.1	699.9	704.8	698.0	689.2	686.2	686.2
50°	413.3	528.3	642.4	638.5	652.1	663.9	658.9	652.1	645.4	634.6	634.6
52.5°	375.3	480.5	577.0	591.7	613.2	620.0	612.2	605.3	593.6	588.8	584.9
55°	348.0	430.8	517.6	546.9	569.3	578.0	563.5	556.6	539.1	536.1	534.2
57.5°	342.2	358.7	463.0	500.1	527.3	526.4	517.6	504.9	490.3	487.4	486.4
60°	313.9	259.3	404.6	448.5	476.7	473.7	466.0	454.3	440.6	438.7	436.7
62.5°	284.6	188.2	338.3	388.0	427.9	426.9	420.2	402.6	392.8	388.0	384.1
65°	241.8	157.9	240.8	322.7	380.1	382.1	367.5	354.8	344.1	338.3	337.3
67.5°	184.2	128.7	162.8	269.1	334.4	332.4	313.9	308.0	294.4	291.5	285.7
70°	136.4	85.8	113.1	218.3	289.5	284.6	270.1	263.2	250.5	243.7	239.8
72.5°	113.1	69.2	82.8	169.6	243.7	237.9	225.2	217.3	206.7	200.8	196.9
75°	91.7	73.1	63.4	125.8	197.9	194.0	182.3	174.5	165.7	157.9	158.9
77.5°	67.2	68.2	50.7	92.6	157.0	151.1	144.3	134.5	130.6	122.9	122.9
80°	50.7	53.6	38.0	63.4	113.1	113.1	107.3	100.4	93.6	89.7	89.7
82.5°	34.1	34.1	28.3	39.9	77.0	74.1	70.2	68.2	64.3	62.4	62.4
85°	15.6	19.5	17.5	24.3	42.0	43.9	43.9	42.0	41.0	39.0	39.9
87.5°	4.8	8.8	10.8	13.7	21.4	22.4	23.4	23.4	23.4	24.3	24.3
90°	9.1	16.4	23.5	25.4	39.9	59.2	68.9	61.2	45.9	34.5	34.5
92.5°	36.2	97.9	159.6	175.0	246.0	340.7	388.0	340.0	244.2	172.3	165.4
95°	87.0	199.8	312.7	340.9	605.3	957.9	1134.1	1012.0	767.8	584.7	564.0
97.5°	150.5	250.0	349.5	374.4	815.3	1403.2	1697.1	1620.0	1465.6	1349.9	1310.4
100°	199.4	289.7	379.9	402.5	891.8	1544.1	1870.3	1875.9	1887.2	1895.7	1848.7
102.5°	241.2	325.4	409.6	430.6	926.8	1588.4	1919.2	2017.5	2214.1	2361.5	2321.2
105°	311.8	383.1	454.5	472.3	952.8	1593.4	1913.8	2134.1	2574.9	2905.5	2883.8
107.5°	384.4	450.9	517.3	533.9	957.6	1522.5	1805.0	2112.4	2727.3	3188.4	3193.6
110°	433.3	493.4	553.4	568.4	950.4	1459.6	1714.3	2058.0	2745.4	3260.9	3283.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	481.4	538.6	595.7	610.1	950.7	1404.8	1631.8	1983.5	2687.0	3214.7	3249.3
115°	553.9	606.7	659.5	672.7	959.4	1341.8	1533.0	1871.8	2549.5	3057.8	3105.8
117.5°	625.5	673.5	721.4	733.4	977.3	1302.4	1465.0	1770.8	2382.4	2841.1	2894.4
120°	667.3	712.4	757.6	768.8	991.8	1289.2	1437.8	1717.3	2276.1	2695.2	2746.9
122.5°	708.0	753.6	799.1	810.5	1012.6	1282.2	1417.0	1668.6	2171.8	2549.2	2600.3
125°	770.5	812.0	853.6	864.0	1040.7	1276.5	1394.3	1608.1	2035.5	2356.1	2403.1
127.5°	821.3	863.2	905.1	915.6	1068.8	1273.1	1375.2	1558.7	1925.8	2201.1	2240.8
130°	848.6	893.7	938.9	950.1	1089.4	1275.2	1368.0	1531.4	1858.2	2103.2	2139.8
132.5°	876.7	921.8	967.0	978.2	1106.0	1276.5	1361.6	1507.9	1800.4	2019.8	2052.6
135°	918.3	959.4	1000.6	1010.9	1124.1	1275.2	1350.8	1473.3	1718.2	1902.0	1930.2
137.5°	961.0	1001.7	1042.4	1052.5	1151.4	1283.1	1348.9	1452.5	1659.6	1814.9	1838.1
140°	996.3	1033.8	1071.2	1080.6	1167.9	1284.4	1342.6	1432.1	1611.0	1745.2	1766.8
142.5°	1023.5	1058.1	1092.8	1101.5	1181.9	1289.1	1342.6	1421.2	1578.3	1696.1	1714.7
145°	1065.2	1095.5	1125.7	1133.2	1200.0	1289.1	1333.5	1397.8	1526.4	1622.8	1636.8
147.5°	1106.9	1136.3	1165.7	1173.1	1226.6	1297.9	1333.5	1384.1	1485.2	1561.1	1572.8
150°	1134.1	1160.7	1187.2	1193.9	1240.4	1302.5	1333.5	1376.3	1461.6	1525.7	1535.2
152.5°	1162.2	1182.4	1202.5	1207.6	1249.5	1305.5	1333.5	1370.0	1442.9	1497.6	1504.8
155°	1203.9	1218.8	1233.7	1237.4	1269.5	1312.2	1333.5	1362.5	1420.6	1464.1	1468.8
157.5°	1234.7	1249.2	1263.8	1267.4	1289.4	1318.8	1333.5	1356.1	1401.3	1435.1	1438.4
160°	1255.6	1266.9	1278.1	1280.9	1298.5	1321.8	1333.5	1352.9	1391.6	1420.6	1422.5
162.5°	1276.5	1284.9	1293.3	1295.5	1308.1	1325.1	1333.5	1349.8	1382.5	1407.0	1408.8
165°	1299.1	1306.8	1314.4	1316.3	1322.0	1329.7	1333.5	1345.3	1368.6	1386.2	1388.1
167.5°	1320.0	1323.6	1327.2	1328.1	1333.0	1339.4	1342.6	1350.3	1365.6	1377.0	1377.8
170°	1333.5	1337.1	1340.8	1341.7	1342.0	1342.5	1342.6	1350.3	1365.6	1377.0	1377.0
172.5°	1340.8	1341.6	1342.5	1342.6	1342.6	1342.6	1342.6	1348.7	1360.8	1369.8	1369.1
175°	1350.8	1350.8	1350.8	1350.8	1348.1	1344.5	1342.6	1346.4	1354.1	1359.8	1359.8
177.5°	1350.8	1350.8	1350.8	1350.8	1348.7	1345.8	1344.4	1347.4	1353.5	1358.1	1357.3
180°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3
2.5°	1056.7	1053.8	1056.7	1054.8	1055.7	1052.8	1044.0	1041.1	1044.0	1046.9	1046.9
5°	1069.4	1067.4	1069.4	1069.4	1068.4	1066.4	1056.7	1054.8	1056.7	1057.7	1055.7
7.5°	1073.3	1070.4	1073.3	1071.3	1071.3	1069.4	1059.6	1057.7	1058.6	1061.5	1058.6
10°	1073.3	1070.4	1073.3	1072.3	1071.3	1069.4	1059.6	1055.7	1055.7	1058.6	1055.7
12.5°	1068.4	1066.4	1068.4	1066.4	1066.4	1064.4	1054.8	1050.8	1051.8	1052.8	1048.8
15°	1060.6	1057.7	1060.6	1058.6	1059.6	1056.7	1045.9	1042.1	1042.1	1044.0	1037.2
17.5°	1048.8	1045.0	1048.8	1047.9	1046.9	1045.0	1035.2	1031.3	1030.3	1031.3	1026.5
20°	1035.2	1032.3	1035.2	1034.2	1034.2	1030.3	1020.6	1015.7	1015.7	1015.7	1010.9
22.5°	1013.8	1010.9	1013.8	1015.7	1015.7	1014.7	1006.0	999.1	997.2	997.2	991.4
25°	989.4	986.5	989.4	989.4	988.5	989.4	986.5	982.6	979.7	976.8	970.9
27.5°	966.0	964.1	966.0	964.1	966.0	963.1	962.1	961.2	957.3	954.4	946.5
30°	942.6	940.7	942.6	940.7	938.8	936.7	931.9	929.9	933.8	931.9	919.2
32.5°	913.4	911.4	913.4	913.4	911.4	911.4	903.6	900.7	901.7	907.6	895.8
35°	883.1	880.2	883.1	882.2	883.1	880.2	875.4	874.4	870.5	877.3	868.5
37.5°	848.1	845.2	848.1	848.1	848.1	850.0	846.1	843.2	837.3	846.1	839.3
40°	812.0	808.1	812.0	811.1	812.0	814.0	812.0	810.1	804.2	811.1	805.1
42.5°	771.0	770.1	771.0	772.0	772.0	776.0	778.9	775.0	773.0	768.1	772.0
45°	727.2	725.2	727.2	729.2	730.1	732.1	740.8	740.8	737.9	730.1	736.0
47.5°	680.4	675.5	680.4	686.2	686.2	689.2	698.0	704.8	699.9	690.1	693.1
50°	630.7	631.7	630.7	634.6	634.6	645.4	652.1	658.9	663.9	652.1	638.5
52.5°	582.0	581.0	582.0	584.9	588.8	593.6	605.3	612.2	620.0	613.2	591.7
55°	533.2	535.2	533.2	534.2	536.1	539.1	556.6	563.5	578.0	569.3	546.9
57.5°	484.5	481.6	484.5	486.4	487.4	490.3	504.9	517.6	526.4	527.3	500.1
60°	427.9	424.0	427.9	436.7	438.7	440.6	454.3	466.0	473.7	476.7	448.5
62.5°	378.2	371.4	378.2	384.1	388.0	392.8	402.6	420.2	426.9	427.9	388.0
65°	325.6	322.7	325.6	337.3	338.3	344.1	354.8	367.5	382.1	380.1	322.7
67.5°	277.8	277.8	277.8	285.7	291.5	294.4	308.0	313.9	332.4	334.4	269.1
70°	233.9	232.9	233.9	239.8	243.7	250.5	263.2	270.1	284.6	289.5	218.3
72.5°	192.1	191.1	192.1	196.9	200.8	206.7	217.3	225.2	237.9	243.7	169.6
75°	155.0	153.0	155.0	158.9	157.9	165.7	174.5	182.3	194.0	197.9	125.8
77.5°	118.9	118.9	118.9	122.9	122.9	130.6	134.5	144.3	151.1	157.0	92.6
80°	88.7	87.7	88.7	89.7	89.7	93.6	100.4	107.3	113.1	113.1	63.4
82.5°	62.4	60.5	62.4	62.4	62.4	64.3	68.2	70.2	74.1	77.0	39.9
85°	39.0	39.0	39.0	39.9	39.0	41.0	42.0	43.9	43.9	42.0	24.3
87.5°	25.4	24.3	25.4	24.3	24.3	23.4	23.4	23.4	22.4	21.4	13.7
90°	34.5	34.5	34.5	34.5	34.5	45.9	61.2	68.9	59.2	39.9	25.4
92.5°	138.0	110.6	138.0	165.4	172.3	244.2	340.0	388.0	340.7	246.0	175.0
95°	480.9	398.0	480.9	564.0	584.7	767.8	1012.0	1134.1	957.9	605.3	340.9
97.5°	1152.4	994.5	1152.4	1310.4	1349.9	1465.6	1620.0	1697.1	1403.2	815.3	374.4
100°	1660.5	1472.3	1660.5	1848.7	1895.7	1887.2	1875.9	1870.3	1544.1	891.8	402.5
102.5°	2160.1	1999.0	2160.1	2321.2	2361.5	2214.1	2017.5	1919.2	1588.4	926.8	430.6
105°	2797.2	2710.6	2797.2	2883.8	2905.5	2574.9	2134.1	1913.8	1593.4	952.8	472.3
107.5°	3214.6	3235.5	3214.6	3193.6	3188.4	2727.3	2112.4	1805.0	1522.5	957.6	533.9
110°	3373.7	3464.0	3373.7	3283.5	3260.9	2745.4	2058.0	1714.3	1459.6	950.4	568.4



TEST NUMBER: P935889

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3387.9	3526.5	3387.9	3249.3	3214.7	2687.0	1983.5	1631.8	1404.8	950.7	610.1
115°	3298.0	3490.2	3298.0	3105.8	3057.8	2549.5	1871.8	1533.0	1341.8	959.4	672.7
117.5°	3107.6	3320.8	3107.6	2894.4	2841.1	2382.4	1770.8	1465.0	1302.4	977.3	733.4
120°	2954.1	3161.2	2954.1	2746.9	2695.2	2276.1	1717.3	1437.8	1289.2	991.8	768.8
122.5°	2804.6	3008.8	2804.6	2600.3	2549.2	2171.8	1668.6	1417.0	1282.2	1012.6	810.5
125°	2591.3	2779.5	2591.3	2403.1	2356.1	2035.5	1608.1	1394.3	1276.5	1040.7	864.0
127.5°	2399.5	2558.4	2399.5	2240.8	2201.1	1925.8	1558.7	1375.2	1273.1	1068.8	915.6
130°	2286.5	2433.2	2286.5	2139.8	2103.2	1858.2	1531.4	1368.0	1275.2	1089.4	950.1
132.5°	2183.9	2315.3	2183.9	2052.6	2019.8	1800.4	1507.9	1361.6	1276.5	1106.0	978.2
135°	2043.5	2156.7	2043.5	1930.2	1902.0	1718.2	1473.3	1350.8	1275.2	1124.1	1010.9
137.5°	1930.8	2023.5	1930.8	1838.1	1814.9	1659.6	1452.5	1348.9	1283.1	1151.4	1052.5
140°	1853.4	1940.0	1853.4	1766.8	1745.2	1611.0	1432.1	1342.6	1284.4	1167.9	1080.6
142.5°	1789.4	1863.9	1789.4	1714.7	1696.1	1578.3	1421.2	1342.6	1289.1	1181.9	1101.5
145°	1693.2	1749.6	1693.2	1636.8	1622.8	1526.4	1397.8	1333.5	1289.1	1200.0	1133.2
147.5°	1619.5	1666.3	1619.5	1572.8	1561.1	1485.2	1384.1	1333.5	1297.9	1226.6	1173.1
150°	1573.1	1611.0	1573.1	1535.2	1525.7	1461.6	1376.3	1333.5	1302.5	1240.4	1193.9
152.5°	1533.3	1562.0	1533.3	1504.8	1497.6	1442.9	1370.0	1333.5	1305.5	1249.5	1207.6
155°	1487.7	1506.7	1487.7	1468.8	1464.1	1420.6	1362.5	1333.5	1312.2	1269.5	1237.4
157.5°	1451.8	1465.0	1451.8	1438.4	1435.1	1401.3	1356.1	1333.5	1318.8	1289.4	1267.4
160°	1430.1	1437.8	1430.1	1422.5	1420.6	1391.6	1352.9	1333.5	1321.8	1298.5	1280.9
162.5°	1416.0	1423.3	1416.0	1408.8	1407.0	1382.5	1349.8	1333.5	1325.1	1308.1	1295.5
165°	1395.7	1403.3	1395.7	1388.1	1386.2	1368.6	1345.3	1333.5	1329.7	1322.0	1316.3
167.5°	1381.1	1384.3	1381.1	1377.8	1377.0	1365.6	1350.3	1342.6	1339.4	1333.0	1328.1
170°	1377.0	1377.0	1377.0	1377.0	1377.0	1365.6	1350.3	1342.6	1342.5	1342.0	1341.7
172.5°	1366.3	1363.5	1366.3	1369.1	1369.8	1360.8	1348.7	1342.6	1342.6	1342.6	1342.6
175°	1359.8	1359.8	1359.8	1359.8	1359.8	1354.1	1346.4	1342.6	1344.5	1348.1	1350.8
177.5°	1354.0	1350.8	1354.0	1357.3	1358.1	1353.5	1347.4	1344.4	1345.8	1348.7	1350.8
180°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8



TEST NUMBER: P935889

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3
2.5°	1045.0	1039.2	1039.2	1029.4	1025.5	1022.6	1017.6	1003.1	999.1	995.3	1001.1
5°	1053.8	1043.0	1035.2	1017.6	1003.1	997.2	978.7	943.6	920.2	902.6	892.9
7.5°	1055.7	1042.1	1027.4	1000.1	965.0	949.4	892.9	828.6	811.1	795.5	785.7
10°	1053.8	1038.2	1017.6	976.8	893.9	866.6	810.1	768.1	757.4	754.5	757.4
12.5°	1046.9	1032.3	1004.1	935.8	819.8	801.3	768.1	743.8	741.8	746.7	773.0
15°	1035.2	1021.6	988.5	881.2	778.9	765.2	741.8	733.0	743.8	777.9	856.9
17.5°	1023.6	1008.0	967.0	827.6	747.7	737.9	721.3	738.9	799.3	845.2	871.4
20°	1008.0	989.4	942.6	788.6	725.2	716.5	708.6	787.6	833.4	850.0	864.6
22.5°	989.4	969.9	909.5	761.3	701.8	695.1	699.9	814.9	833.4	845.2	857.9
25°	965.0	948.5	870.5	739.8	683.3	675.5	694.1	812.0	822.7	825.7	851.0
27.5°	942.6	921.1	829.6	720.4	661.0	658.0	698.9	799.3	807.2	810.1	837.3
30°	915.3	883.1	783.7	699.9	637.5	636.5	699.9	783.7	781.8	789.5	816.9
32.5°	887.0	826.7	732.1	674.5	615.1	614.2	693.1	760.4	758.4	769.1	789.5
35°	860.8	782.8	661.9	645.4	586.8	587.8	676.5	733.0	734.0	743.8	756.4
37.5°	833.4	744.8	584.9	613.2	559.5	559.5	654.1	707.7	705.7	708.6	726.3
40°	801.3	685.3	516.7	571.2	534.2	531.3	626.7	680.4	673.6	672.6	697.0
42.5°	767.2	620.0	466.0	515.7	504.9	501.1	593.6	647.3	634.6	637.5	668.7
45°	730.1	602.4	426.9	435.8	474.7	471.8	557.6	609.2	600.5	608.2	640.4
47.5°	693.1	567.3	414.2	361.6	442.5	441.6	517.6	572.2	567.3	575.1	609.2
50°	642.4	528.3	413.3	310.0	406.5	410.4	469.9	536.1	536.1	542.9	579.1
52.5°	577.0	480.5	375.3	280.7	364.5	376.3	427.9	504.9	506.9	513.8	545.8
55°	517.6	430.8	348.0	258.3	314.8	340.2	387.0	472.8	476.7	483.5	512.7
57.5°	463.0	358.7	342.2	232.0	269.1	293.4	351.0	441.6	443.5	449.4	477.6
60°	404.6	259.3	313.9	203.7	229.1	247.6	317.7	404.6	411.3	415.2	439.6
62.5°	338.3	188.2	284.6	184.2	209.6	213.5	290.5	369.5	378.2	381.1	395.7
65°	240.8	157.9	241.8	167.6	189.1	190.1	261.2	333.3	341.2	346.0	356.8
67.5°	162.8	128.7	184.2	152.0	173.5	174.5	232.9	291.5	302.2	306.1	312.9
70°	113.1	85.8	136.4	135.5	156.0	157.9	202.7	253.5	263.2	266.1	270.1
72.5°	82.8	69.2	113.1	121.8	137.4	139.4	171.6	210.6	220.4	223.3	225.2
75°	63.4	73.1	91.7	106.3	117.0	117.9	140.4	171.6	178.4	180.3	181.3
77.5°	50.7	68.2	67.2	85.8	95.5	93.6	110.2	132.6	138.4	138.4	138.4
80°	38.0	53.6	50.7	61.4	70.2	68.2	79.0	94.6	96.5	98.5	97.5
82.5°	28.3	34.1	34.1	39.0	46.8	44.9	52.6	61.4	61.4	61.4	63.4
85°	17.5	19.5	15.6	20.4	26.4	25.4	29.3	33.1	34.1	34.1	32.2
87.5°	10.8	8.8	4.8	7.8	11.7	11.7	13.7	14.6	13.7	13.7	13.7
90°	23.5	16.4	9.1	16.4	23.5	25.4	39.9	59.2	68.9	61.2	45.9
92.5°	159.6	97.9	36.2	97.9	159.6	175.0	246.0	340.7	388.0	340.0	244.2
95°	312.7	199.8	87.0	199.8	312.7	340.9	605.3	957.9	1134.1	1012.0	767.8
97.5°	349.5	250.0	150.5	250.0	349.5	374.4	815.3	1403.2	1697.1	1620.0	1465.6
100°	379.9	289.7	199.4	289.7	379.9	402.5	891.8	1544.1	1870.3	1875.9	1887.2
102.5°	409.6	325.4	241.2	325.4	409.6	430.6	926.8	1588.4	1919.2	2017.5	2214.1
105°	454.5	383.1	311.8	383.1	454.5	472.3	952.8	1593.4	1913.8	2134.1	2574.9
107.5°	517.3	450.9	384.4	450.9	517.3	533.9	957.6	1522.5	1805.0	2112.4	2727.3
110°	553.4	493.4	433.3	493.4	553.4	568.4	950.4	1459.6	1714.3	2058.0	2745.4



TEST NUMBER: P935889

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	595.7	538.6	481.4	538.6	595.7	610.1	950.7	1404.8	1631.8	1983.5	2687.0
115°	659.5	606.7	553.9	606.7	659.5	672.7	959.4	1341.8	1533.0	1871.8	2549.5
117.5°	721.4	673.5	625.5	673.5	721.4	733.4	977.3	1302.4	1465.0	1770.8	2382.4
120°	757.6	712.4	667.3	712.4	757.6	768.8	991.8	1289.2	1437.8	1717.3	2276.1
122.5°	799.1	753.6	708.0	753.6	799.1	810.5	1012.6	1282.2	1417.0	1668.6	2171.8
125°	853.6	812.0	770.5	812.0	853.6	864.0	1040.7	1276.5	1394.3	1608.1	2035.5
127.5°	905.1	863.2	821.3	863.2	905.1	915.6	1068.8	1273.1	1375.2	1558.7	1925.8
130°	938.9	893.7	848.6	893.7	938.9	950.1	1089.4	1275.2	1368.0	1531.4	1858.2
132.5°	967.0	921.8	876.7	921.8	967.0	978.2	1106.0	1276.5	1361.6	1507.9	1800.4
135°	1000.6	959.4	918.3	959.4	1000.6	1010.9	1124.1	1275.2	1350.8	1473.3	1718.2
137.5°	1042.4	1001.7	961.0	1001.7	1042.4	1052.5	1151.4	1283.1	1348.9	1452.5	1659.6
140°	1071.2	1033.8	996.3	1033.8	1071.2	1080.6	1167.9	1284.4	1342.6	1432.1	1611.0
142.5°	1092.8	1058.1	1023.5	1058.1	1092.8	1101.5	1181.9	1289.1	1342.6	1421.2	1578.3
145°	1125.7	1095.5	1065.2	1095.5	1125.7	1133.2	1200.0	1289.1	1333.5	1397.8	1526.4
147.5°	1165.7	1136.3	1106.9	1136.3	1165.7	1173.1	1226.6	1297.9	1333.5	1384.1	1485.2
150°	1187.2	1160.7	1134.1	1160.7	1187.2	1193.9	1240.4	1302.5	1333.5	1376.3	1461.6
152.5°	1202.5	1182.4	1162.2	1182.4	1202.5	1207.6	1249.5	1305.5	1333.5	1370.0	1442.9
155°	1233.7	1218.8	1203.9	1218.8	1233.7	1237.4	1269.5	1312.2	1333.5	1362.5	1420.6
157.5°	1263.8	1249.2	1234.7	1249.2	1263.8	1267.4	1289.4	1318.8	1333.5	1356.1	1401.3
160°	1278.1	1266.9	1255.6	1266.9	1278.1	1280.9	1298.5	1321.8	1333.5	1352.9	1391.6
162.5°	1293.3	1284.9	1276.5	1284.9	1293.3	1295.5	1308.1	1325.1	1333.5	1349.8	1382.5
165°	1314.4	1306.8	1299.1	1306.8	1314.4	1316.3	1322.0	1329.7	1333.5	1345.3	1368.6
167.5°	1327.2	1323.6	1320.0	1323.6	1327.2	1328.1	1333.0	1339.4	1342.6	1350.3	1365.6
170°	1340.8	1337.1	1333.5	1337.1	1340.8	1341.7	1342.0	1342.5	1342.6	1350.3	1365.6
172.5°	1342.5	1341.6	1340.8	1341.6	1342.5	1342.6	1342.6	1342.6	1342.6	1348.7	1360.8
175°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1348.1	1344.5	1342.6	1346.4	1354.1
177.5°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1348.7	1345.8	1344.4	1347.4	1353.5
180°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8



TEST NUMBER: P935889

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3	1030.3
2.5°	994.3	991.4	995.3	984.5	995.3	991.4	994.3	1001.1	995.3	999.1	1003.1
5°	872.5	867.5	851.9	839.3	851.9	867.5	872.5	892.9	902.6	920.2	943.6
7.5°	779.9	776.0	772.0	764.3	772.0	776.0	779.9	785.7	795.5	811.1	828.6
10°	759.4	760.4	766.2	765.2	766.2	760.4	759.4	757.4	754.5	757.4	768.1
12.5°	812.0	820.7	852.9	851.0	852.9	820.7	812.0	773.0	746.7	741.8	743.8
15°	872.5	875.4	882.2	883.1	882.2	875.4	872.5	856.9	777.9	743.8	733.0
17.5°	878.3	879.3	884.1	884.1	884.1	879.3	878.3	871.4	845.2	799.3	738.9
20°	873.5	875.4	885.1	887.0	885.1	875.4	873.5	864.6	850.0	833.4	787.6
22.5°	871.4	875.4	883.1	882.2	883.1	875.4	871.4	857.9	845.2	833.4	814.9
25°	861.7	861.7	862.7	863.7	862.7	861.7	861.7	851.0	825.7	822.7	812.0
27.5°	841.3	843.2	849.0	848.1	849.0	843.2	841.3	837.3	810.1	807.2	799.3
30°	822.7	820.7	815.9	812.0	815.9	820.7	822.7	816.9	789.5	781.8	783.7
32.5°	791.6	786.6	781.8	778.9	781.8	786.6	791.6	789.5	769.1	758.4	760.4
35°	754.5	755.4	754.5	751.6	754.5	755.4	754.5	756.4	743.8	734.0	733.0
37.5°	728.2	730.1	729.2	725.2	729.2	730.1	728.2	726.3	708.6	705.7	707.7
40°	700.9	701.8	700.9	698.0	700.9	701.8	700.9	697.0	672.6	673.6	680.4
42.5°	674.5	673.6	670.6	668.7	670.6	673.6	674.5	668.7	637.5	634.6	647.3
45°	644.4	645.4	639.4	636.5	639.4	645.4	644.4	640.4	608.2	600.5	609.2
47.5°	614.2	614.2	609.2	606.3	609.2	614.2	614.2	609.2	575.1	567.3	572.2
50°	582.0	581.0	574.1	573.2	574.1	581.0	582.0	579.1	542.9	536.1	536.1
52.5°	544.9	544.9	545.8	547.9	545.8	544.9	544.9	545.8	513.8	506.9	504.9
55°	512.7	513.8	520.5	522.5	520.5	513.8	512.7	512.7	483.5	476.7	472.8
57.5°	479.6	479.6	484.5	484.5	484.5	479.6	479.6	477.6	449.4	443.5	441.6
60°	441.6	443.5	447.4	446.4	447.4	443.5	441.6	439.6	415.2	411.3	404.6
62.5°	401.7	403.6	404.6	402.6	404.6	403.6	401.7	395.7	381.1	378.2	369.5
65°	359.7	361.6	362.6	360.7	362.6	361.6	359.7	356.8	346.0	341.2	333.3
67.5°	316.8	315.8	314.8	318.8	314.8	315.8	316.8	312.9	306.1	302.2	291.5
70°	273.0	273.0	272.0	273.9	272.0	273.0	273.0	270.1	266.1	263.2	253.5
72.5°	226.2	225.2	229.1	226.2	229.1	225.2	226.2	225.2	223.3	220.4	210.6
75°	180.3	182.3	180.3	183.2	180.3	182.3	180.3	181.3	180.3	178.4	171.6
77.5°	137.4	139.4	137.4	137.4	137.4	139.4	137.4	138.4	138.4	138.4	132.6
80°	97.5	96.5	96.5	95.5	96.5	96.5	97.5	97.5	98.5	96.5	94.6
82.5°	62.4	61.4	61.4	63.4	61.4	61.4	62.4	63.4	61.4	61.4	61.4
85°	34.1	35.1	33.1	33.1	33.1	35.1	34.1	32.2	34.1	34.1	33.1
87.5°	12.7	11.7	11.7	11.7	11.7	11.7	12.7	13.7	13.7	13.7	14.6
90°	34.5	34.5	34.5	34.5	34.5	34.5	34.5	45.9	61.2	68.9	59.2
92.5°	172.3	165.4	138.0	110.6	138.0	165.4	172.3	244.2	340.0	388.0	340.7
95°	584.7	564.0	480.9	398.0	480.9	564.0	584.7	767.8	1012.0	1134.1	957.9
97.5°	1349.9	1310.4	1152.4	994.5	1152.4	1310.4	1349.9	1465.6	1620.0	1697.1	1403.2
100°	1895.7	1848.7	1660.5	1472.3	1660.5	1848.7	1895.7	1887.2	1875.9	1870.3	1544.1
102.5°	2361.5	2321.2	2160.1	1999.0	2160.1	2321.2	2361.5	2214.1	2017.5	1919.2	1588.4
105°	2905.5	2883.8	2797.2	2710.6	2797.2	2883.8	2905.5	2574.9	2134.1	1913.8	1593.4
107.5°	3188.4	3193.6	3214.6	3235.5	3214.6	3193.6	3188.4	2727.3	2112.4	1805.0	1522.5
110°	3260.9	3283.5	3373.7	3464.0	3373.7	3283.5	3260.9	2745.4	2058.0	1714.3	1459.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3214.7	3249.3	3387.9	3526.5	3387.9	3249.3	3214.7	2687.0	1983.5	1631.8	1404.8
115°	3057.8	3105.8	3298.0	3490.2	3298.0	3105.8	3057.8	2549.5	1871.8	1533.0	1341.8
117.5°	2841.1	2894.4	3107.6	3320.8	3107.6	2894.4	2841.1	2382.4	1770.8	1465.0	1302.4
120°	2695.2	2746.9	2954.1	3161.2	2954.1	2746.9	2695.2	2276.1	1717.3	1437.8	1289.2
122.5°	2549.2	2600.3	2804.6	3008.8	2804.6	2600.3	2549.2	2171.8	1668.6	1417.0	1282.2
125°	2356.1	2403.1	2591.3	2779.5	2591.3	2403.1	2356.1	2035.5	1608.1	1394.3	1276.5
127.5°	2201.1	2240.8	2399.5	2558.4	2399.5	2240.8	2201.1	1925.8	1558.7	1375.2	1273.1
130°	2103.2	2139.8	2286.5	2433.2	2286.5	2139.8	2103.2	1858.2	1531.4	1368.0	1275.2
132.5°	2019.8	2052.6	2183.9	2315.3	2183.9	2052.6	2019.8	1800.4	1507.9	1361.6	1276.5
135°	1902.0	1930.2	2043.5	2156.7	2043.5	1930.2	1902.0	1718.2	1473.3	1350.8	1275.2
137.5°	1814.9	1838.1	1930.8	2023.5	1930.8	1838.1	1814.9	1659.6	1452.5	1348.9	1283.1
140°	1745.2	1766.8	1853.4	1940.0	1853.4	1766.8	1745.2	1611.0	1432.1	1342.6	1284.4
142.5°	1696.1	1714.7	1789.4	1863.9	1789.4	1714.7	1696.1	1578.3	1421.2	1342.6	1289.1
145°	1622.8	1636.8	1693.2	1749.6	1693.2	1636.8	1622.8	1526.4	1397.8	1333.5	1289.1
147.5°	1561.1	1572.8	1619.5	1666.3	1619.5	1572.8	1561.1	1485.2	1384.1	1333.5	1297.9
150°	1525.7	1535.2	1573.1	1611.0	1573.1	1535.2	1525.7	1461.6	1376.3	1333.5	1302.5
152.5°	1497.6	1504.8	1533.3	1562.0	1533.3	1504.8	1497.6	1442.9	1370.0	1333.5	1305.5
155°	1464.1	1468.8	1487.7	1506.7	1487.7	1468.8	1464.1	1420.6	1362.5	1333.5	1312.2
157.5°	1435.1	1438.4	1451.8	1465.0	1451.8	1438.4	1435.1	1401.3	1356.1	1333.5	1318.8
160°	1420.6	1422.5	1430.1	1437.8	1430.1	1422.5	1420.6	1391.6	1352.9	1333.5	1321.8
162.5°	1407.0	1408.8	1416.0	1423.3	1416.0	1408.8	1407.0	1382.5	1349.8	1333.5	1325.1
165°	1386.2	1388.1	1395.7	1403.3	1395.7	1388.1	1386.2	1368.6	1345.3	1333.5	1329.7
167.5°	1377.0	1377.8	1381.1	1384.3	1381.1	1377.8	1377.0	1365.6	1350.3	1342.6	1339.4
170°	1377.0	1377.0	1377.0	1377.0	1377.0	1377.0	1377.0	1365.6	1350.3	1342.6	1342.5
172.5°	1369.8	1369.1	1366.3	1363.5	1366.3	1369.1	1369.8	1360.8	1348.7	1342.6	1342.6
175°	1359.8	1359.8	1359.8	1359.8	1359.8	1359.8	1359.8	1354.1	1346.4	1342.6	1344.5
177.5°	1358.1	1357.3	1354.0	1350.8	1354.0	1357.3	1358.1	1353.5	1347.4	1344.4	1345.8
180°	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8	1350.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1030.3	1030.3	1030.3	1030.3	1030.3
2.5°	1017.6	1022.6	1025.5	1029.4	1039.2
5°	978.7	997.2	1003.1	1017.6	1035.2
7.5°	892.9	949.4	965.0	1000.1	1027.4
10°	810.1	866.6	893.9	976.8	1017.6
12.5°	768.1	801.3	819.8	935.8	1004.1
15°	741.8	765.2	778.9	881.2	988.5
17.5°	721.3	737.9	747.7	827.6	967.0
20°	708.6	716.5	725.2	788.6	942.6
22.5°	699.9	695.1	701.8	761.3	909.5
25°	694.1	675.5	683.3	739.8	870.5
27.5°	698.9	658.0	661.0	720.4	829.6
30°	699.9	636.5	637.5	699.9	783.7
32.5°	693.1	614.2	615.1	674.5	732.1
35°	676.5	587.8	586.8	645.4	661.9
37.5°	654.1	559.5	559.5	613.2	584.9
40°	626.7	531.3	534.2	571.2	516.7
42.5°	593.6	501.1	504.9	515.7	466.0
45°	557.6	471.8	474.7	435.8	426.9
47.5°	517.6	441.6	442.5	361.6	414.2
50°	469.9	410.4	406.5	310.0	413.3
52.5°	427.9	376.3	364.5	280.7	375.3
55°	387.0	340.2	314.8	258.3	348.0
57.5°	351.0	293.4	269.1	232.0	342.2
60°	317.7	247.6	229.1	203.7	313.9
62.5°	290.5	213.5	209.6	184.2	284.6
65°	261.2	190.1	189.1	167.6	241.8
67.5°	232.9	174.5	173.5	152.0	184.2
70°	202.7	157.9	156.0	135.5	136.4
72.5°	171.6	139.4	137.4	121.8	113.1
75°	140.4	117.9	117.0	106.3	91.7
77.5°	110.2	93.6	95.5	85.8	67.2
80°	79.0	68.2	70.2	61.4	50.7
82.5°	52.6	44.9	46.8	39.0	34.1
85°	29.3	25.4	26.4	20.4	15.6
87.5°	13.7	11.7	11.7	7.8	4.8
90°	39.9	25.4	23.5	16.4	9.1
92.5°	246.0	175.0	159.6	97.9	36.2
95°	605.3	340.9	312.7	199.8	87.0
97.5°	815.3	374.4	349.5	250.0	150.5
100°	891.8	402.5	379.9	289.7	199.4
102.5°	926.8	430.6	409.6	325.4	241.2
105°	952.8	472.3	454.5	383.1	311.8
107.5°	957.6	533.9	517.3	450.9	384.4
110°	950.4	568.4	553.4	493.4	433.3



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CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	950.7	610.1	595.7	538.6	481.4
115°	959.4	672.7	659.5	606.7	553.9
117.5°	977.3	733.4	721.4	673.5	625.5
120°	991.8	768.8	757.6	712.4	667.3
122.5°	1012.6	810.5	799.1	753.6	708.0
125°	1040.7	864.0	853.6	812.0	770.5
127.5°	1068.8	915.6	905.1	863.2	821.3
130°	1089.4	950.1	938.9	893.7	848.6
132.5°	1106.0	978.2	967.0	921.8	876.7
135°	1124.1	1010.9	1000.6	959.4	918.3
137.5°	1151.4	1052.5	1042.4	1001.7	961.0
140°	1167.9	1080.6	1071.2	1033.8	996.3
142.5°	1181.9	1101.5	1092.8	1058.1	1023.5
145°	1200.0	1133.2	1125.7	1095.5	1065.2
147.5°	1226.6	1173.1	1165.7	1136.3	1106.9
150°	1240.4	1193.9	1187.2	1160.7	1134.1
152.5°	1249.5	1207.6	1202.5	1182.4	1162.2
155°	1269.5	1237.4	1233.7	1218.8	1203.9
157.5°	1289.4	1267.4	1263.8	1249.2	1234.7
160°	1298.5	1280.9	1278.1	1266.9	1255.6
162.5°	1308.1	1295.5	1293.3	1284.9	1276.5
165°	1322.0	1316.3	1314.4	1306.8	1299.1
167.5°	1333.0	1328.1	1327.2	1323.6	1320.0
170°	1342.0	1341.7	1340.8	1337.1	1333.5
172.5°	1342.6	1342.6	1342.5	1341.6	1340.8
175°	1348.1	1350.8	1350.8	1350.8	1350.8
177.5°	1348.7	1350.8	1350.8	1350.8	1350.8
180°	1350.8	1350.8	1350.8	1350.8	1350.8



TEST NUMBER: P935889
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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	8.03	8.69	9.19	9.84	11.44	10.85	11.52	12.01	12.66	14.27
	3H	8.49	9.08	9.65	10.24	11.86	12.18	12.77	13.34	13.93	15.55
	4H	8.67	9.24	9.84	10.39	12.01	12.61	13.18	13.79	14.33	15.96
	6H	8.78	9.30	9.96	10.45	12.09	12.89	13.41	14.07	14.56	16.20
	8H	8.78	9.27	9.96	10.44	12.07	12.95	13.45	14.14	14.62	16.25
	12H	8.74	9.21	9.93	10.37	12.02	12.99	13.45	14.17	14.62	16.27
4H	2H	9.03	9.60	10.22	10.75	12.38	11.24	11.80	12.42	12.95	14.58
	3H	10.04	10.51	11.23	11.69	13.33	12.72	13.19	13.91	14.37	16.01
	4H	10.31	10.74	11.50	11.91	13.57	13.24	13.67	14.43	14.84	16.50
	6H	10.42	10.80	11.61	11.98	13.63	13.59	13.96	14.78	15.15	16.80
	8H	10.43	10.77	11.61	11.95	13.61	13.69	14.04	14.88	15.22	16.88
	12H	10.38	10.70	11.59	11.89	13.55	13.74	14.06	14.95	15.24	16.91
8H	4H	10.75	11.09	11.94	12.27	13.93	13.35	13.70	14.54	14.87	16.54
	6H	11.00	11.29	12.21	12.51	14.17	13.78	14.06	14.98	15.28	16.94
	8H	11.04	11.29	12.25	12.49	14.17	13.93	14.17	15.14	15.37	17.05
	12H	11.02	11.23	12.23	12.43	14.14	14.01	14.23	15.23	15.43	17.14
12H	4H	10.74	11.06	11.95	12.25	13.91	13.30	13.62	14.51	14.81	16.47
	6H	11.06	11.31	12.27	12.51	14.19	13.77	14.02	14.98	15.22	16.90
	8H	11.12	11.33	12.33	12.53	14.24	13.92	14.14	15.14	15.34	17.05