

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: P934879

Luminaire Tested: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934879
REPORT IS A COMBINATION OF REPORTS P933713 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

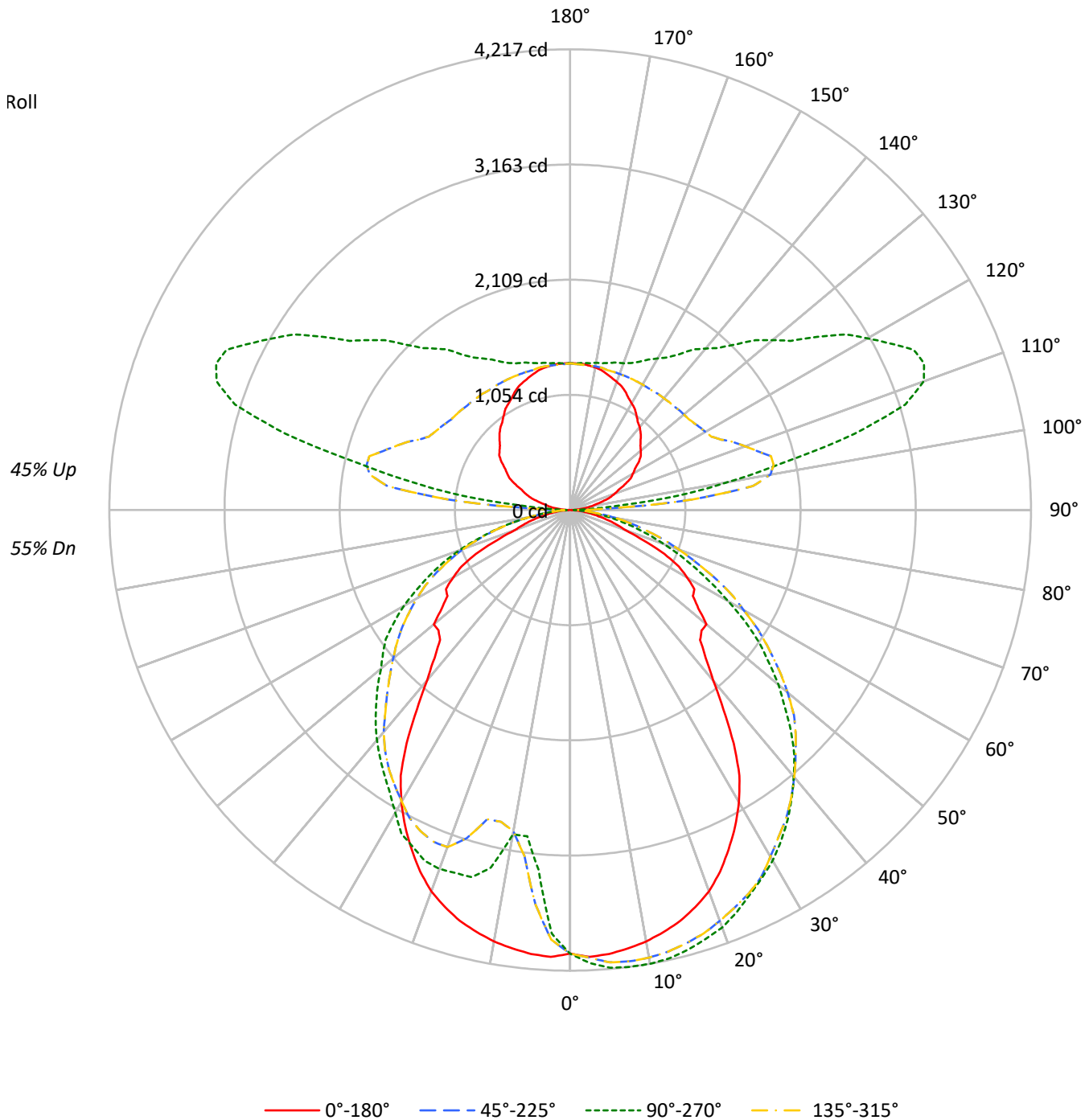
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19235.6 lumens
Efficiency: N/A
Efficacy: 125.2 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: General Diffuse

Input Watts (W): 153.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12557	12557	12557	12557
5°	12656	12676	12656	9967
10°	12575	12486	12575	8927
15°	12443	12216	12443	10200
20°	12188	11896	12188	10222
25°	11660	11428	11660	10005
30°	10976	11040	10976	9530
35°	9791	10549	9791	9007
40°	8163	9971	8163	8612
45°	7298	9295	7298	8158
50°	7759	8488	7759	7702
55°	7307	7619	7307	7438
60°	7542	6471	7542	6813
65°	6849	5349	6849	5979
70°	4754	4263	4754	5012
75°	4184	3151	4184	3773
80°	3397	2083	3397	2268
85°	1990	1103	1990	938

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11178 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.5	1.9
10°-20°	1040.5	5.4
20°-30°	1608.4	8.4
30°-40°	1920.1	10.0
40°-50°	1931.4	10.0
50°-60°	1680.5	8.7
60°-70°	1191.5	6.2
70°-80°	630.4	3.3
80°-90°	162.1	0.8
90°-100°	654.5	3.4
100°-110°	1720.7	8.9
110°-120°	1784.2	9.3
120°-130°	1431.2	7.4
130°-140°	1122.9	5.8
140°-150°	861.9	4.5
150°-160°	620.7	3.2
160°-170°	379.8	2.0
170°-180°	128.3	0.7
0°-30°	3015.4	15.7
0°-40°	4935.5	25.7
0°-60°	8547.4	44.4
0°-90°	10531.4	54.7
90°-120°	4159.4	21.6
90°-150°	7575.4	39.4
90°-180°	8704.0	45.2
0°-180°	19235.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4060	4060	4060	4060	4060	
5°	4079	4206	4079	3307	4079	387
15°	3895	4167	3895	3480	3895	1096
25°	3430	3887	3430	3403	3430	1575
35°	2608	3468	2608	2961	2608	1613
45°	1682	2858	1682	2508	1682	1348
55°	1371	2109	1371	2059	1371	1260
65°	952	1271	952	1421	952	910
75°	361	603	361	722	361	380
85°	61	154	61	131	61	83
90°	9	34	9	34	9	10
95°	86	396	86	396	86	96
105°	310	2694	310	2694	310	329
115°	551	3469	551	3469	551	544
125°	766	2763	766	2763	766	680
135°	913	2144	913	2144	913	706
145°	1059	1739	1059	1739	1059	663
155°	1197	1498	1197	1498	1197	550
165°	1291	1395	1291	1395	1291	364
175°	1343	1352	1343	1352	1343	127
180°	1343	1343	1343	1343	1343	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7
2.5°	4094.3	4094.3	4117.4	4125.0	4125.0	4113.5	4102.0	4113.5	4148.1	4159.6	4155.8
5°	4079.0	4109.7	4152.0	4159.6	4167.3	4163.5	4155.8	4163.5	4201.9	4209.5	4213.4
7.5°	4048.2	4105.8	4159.6	4171.2	4182.7	4171.2	4167.3	4175.0	4213.4	4221.1	4221.1
10°	4009.8	4090.5	4152.0	4159.6	4171.2	4159.6	4159.6	4175.0	4213.4	4221.1	4224.9
12.5°	3956.0	4067.5	4125.0	4132.8	4148.1	4144.2	4140.4	4155.8	4194.2	4201.9	4201.9
15°	3894.6	4025.2	4079.0	4086.7	4113.5	4105.8	4105.8	4121.3	4163.5	4175.0	4171.2
17.5°	3810.1	3971.4	4032.9	4044.4	4063.6	4059.7	4063.6	4079.0	4117.4	4125.0	4128.9
20°	3714.1	3898.5	3971.4	3983.0	4002.2	4002.2	4002.2	4021.4	4059.7	4075.1	4075.1
22.5°	3583.5	3821.6	3898.5	3906.1	3929.2	3929.2	3936.9	3963.7	3998.3	4002.2	4002.2
25°	3429.9	3737.1	3802.5	3825.5	3848.5	3860.0	3871.5	3886.9	3898.5	3894.6	3898.5
27.5°	3268.5	3629.6	3714.1	3729.5	3760.2	3771.7	3787.0	3790.9	3794.7	3806.2	3798.6
30°	3088.0	3479.8	3606.5	3621.9	3671.8	3679.5	3664.2	3671.8	3691.0	3698.8	3706.4
32.5°	2884.4	3257.0	3495.2	3529.7	3575.8	3552.7	3549.0	3560.5	3591.2	3591.2	3598.9
35°	2608.0	3084.2	3391.5	3422.2	3456.7	3429.9	3445.2	3449.1	3468.2	3479.8	3476.0
37.5°	2304.5	2934.4	3283.9	3307.0	3333.8	3299.3	3322.3	3333.8	3349.3	3341.5	3341.5
40°	2035.7	2700.1	3157.2	3172.5	3195.6	3168.7	3191.7	3199.4	3207.1	3199.4	3195.6
42.5°	1836.0	2442.8	3022.7	3042.0	3026.6	3045.8	3053.4	3068.8	3057.3	3042.0	3042.0
45°	1682.3	2373.7	2876.8	2899.8	2876.8	2907.5	2919.0	2919.0	2884.4	2876.8	2873.0
47.5°	1632.4	2235.4	2730.8	2730.8	2719.3	2757.7	2777.0	2750.0	2715.4	2704.0	2704.0
50°	1628.5	2081.7	2531.1	2515.7	2569.5	2615.6	2596.4	2569.5	2542.7	2500.4	2500.4
52.5°	1478.7	1893.5	2273.8	2331.4	2415.9	2442.8	2412.0	2385.2	2339.1	2319.9	2304.5
55°	1371.1	1697.7	2039.5	2154.7	2243.0	2277.6	2220.0	2193.1	2124.0	2112.4	2104.8
57.5°	1348.2	1413.4	1824.4	1970.4	2077.9	2074.0	2039.5	1989.6	1931.9	1920.5	1916.6
60°	1236.7	1021.6	1593.9	1766.8	1878.2	1866.7	1836.0	1789.8	1736.1	1728.4	1720.7
62.5°	1121.5	741.3	1332.8	1528.7	1686.2	1682.3	1655.4	1586.3	1547.9	1528.7	1513.3
65°	952.5	622.2	948.7	1271.3	1497.9	1505.6	1448.0	1398.1	1355.8	1332.8	1328.9
67.5°	725.9	507.0	641.4	1060.1	1317.5	1309.7	1236.7	1213.7	1159.9	1148.4	1125.4
70°	537.7	338.0	445.5	860.4	1140.7	1121.5	1063.9	1037.0	987.1	960.2	944.9
72.5°	445.5	272.7	326.5	668.3	960.2	937.1	887.2	856.5	814.3	791.2	775.9
75°	361.0	288.1	249.6	495.4	779.7	764.3	718.2	687.5	652.9	622.2	626.1
77.5°	265.0	268.9	199.7	364.9	618.4	595.4	568.4	530.0	514.6	483.9	483.9
80°	199.7	211.2	149.8	249.6	445.5	445.5	422.5	395.6	368.7	353.4	353.4
82.5°	134.4	134.4	111.3	157.5	303.4	291.9	276.6	268.9	253.5	245.8	245.8
85°	61.4	76.8	69.1	96.0	165.1	172.9	172.9	165.1	161.3	153.6	157.5
87.5°	19.2	34.6	42.2	53.8	84.5	88.4	92.2	92.2	92.2	96.0	96.0
90°	9.0	16.2	23.4	25.2	39.6	58.9	68.5	60.9	45.6	34.2	34.2
92.5°	36.0	97.3	158.6	173.9	244.5	338.6	385.7	338.0	242.7	171.2	164.4
95°	86.5	198.6	310.9	338.9	601.7	952.1	1127.3	1006.0	763.3	581.2	560.6
97.5°	149.6	248.5	347.5	372.2	810.5	1394.8	1686.9	1610.2	1456.8	1341.8	1302.5
100°	198.3	288.0	377.7	400.1	886.4	1534.8	1859.0	1864.6	1875.9	1884.3	1837.5
102.5°	239.7	323.5	407.1	428.0	921.2	1578.9	1907.8	2005.4	2200.9	2347.5	2307.5
105°	310.0	380.9	451.7	469.5	947.1	1583.9	1902.3	2121.4	2559.6	2888.2	2866.7
107.5°	382.1	448.2	514.2	530.8	951.9	1513.5	1794.2	2099.8	2711.0	3169.3	3174.5
110°	430.7	490.4	550.1	565.0	944.7	1451.0	1704.1	2045.8	2729.0	3241.4	3263.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	478.5	535.4	592.3	606.5	945.1	1396.4	1622.1	1971.7	2671.0	3195.5	3229.9
115°	550.6	603.0	655.5	668.6	953.7	1333.8	1523.8	1860.7	2534.3	3039.6	3087.3
117.5°	621.8	669.5	717.1	729.0	971.4	1294.6	1456.2	1760.2	2368.1	2824.2	2877.2
120°	663.3	708.1	752.9	764.2	985.9	1281.4	1429.2	1706.9	2262.4	2679.1	2730.5
122.5°	703.8	749.0	794.3	805.6	1006.6	1274.5	1408.4	1658.5	2158.8	2534.0	2584.8
125°	766.0	807.3	848.6	858.8	1034.5	1268.8	1386.0	1598.5	2023.4	2342.1	2388.9
127.5°	816.5	858.1	899.8	910.2	1062.5	1265.5	1367.1	1549.5	1914.4	2188.0	2227.4
130°	843.5	888.4	933.1	944.4	1082.9	1267.5	1359.8	1522.2	1847.0	2090.6	2127.1
132.5°	871.4	916.3	961.1	972.3	1099.3	1268.8	1353.5	1498.8	1789.6	2007.8	2040.4
135°	912.9	953.7	994.6	1004.8	1117.5	1267.6	1342.7	1464.4	1708.0	1890.6	1918.7
137.5°	955.2	995.6	1036.2	1046.2	1144.5	1275.4	1340.9	1443.8	1649.7	1804.1	1827.1
140°	990.3	1027.5	1064.8	1074.1	1161.0	1276.8	1334.6	1423.6	1601.4	1734.7	1756.2
142.5°	1017.4	1051.8	1086.2	1094.9	1174.8	1281.3	1334.6	1412.7	1568.9	1686.1	1704.6
145°	1058.8	1088.9	1118.9	1126.5	1192.8	1281.3	1325.6	1389.4	1517.3	1613.1	1627.1
147.5°	1100.3	1129.6	1158.8	1166.1	1219.3	1290.1	1325.6	1375.9	1476.4	1551.8	1563.4
150°	1127.3	1153.8	1180.2	1186.8	1233.1	1294.8	1325.6	1368.0	1452.9	1516.6	1526.0
152.5°	1155.2	1175.3	1195.3	1200.3	1242.1	1297.8	1325.6	1361.8	1434.3	1488.7	1495.7
155°	1196.7	1211.5	1226.4	1230.0	1261.9	1304.4	1325.6	1354.5	1412.1	1455.3	1460.1
157.5°	1227.3	1241.8	1256.2	1259.8	1281.7	1311.0	1325.6	1348.0	1392.8	1426.5	1429.8
160°	1248.1	1259.3	1270.6	1273.4	1290.8	1314.0	1325.6	1344.8	1383.2	1412.1	1414.1
162.5°	1268.8	1277.2	1285.6	1287.7	1300.3	1317.2	1325.6	1341.8	1374.2	1398.6	1400.4
165°	1291.4	1298.9	1306.5	1308.4	1314.2	1321.8	1325.6	1337.2	1360.4	1377.8	1379.8
167.5°	1312.0	1315.6	1319.3	1320.2	1325.0	1331.4	1334.6	1342.2	1357.4	1368.8	1369.6
170°	1325.6	1329.2	1332.9	1333.7	1334.0	1334.4	1334.6	1342.2	1357.4	1368.8	1368.8
172.5°	1332.8	1333.5	1334.4	1334.6	1334.6	1334.6	1334.6	1340.6	1352.6	1361.6	1361.0
175°	1342.7	1342.7	1342.7	1342.7	1340.0	1336.4	1334.6	1338.4	1346.0	1351.8	1351.8
177.5°	1342.7	1342.7	1342.7	1342.7	1340.6	1337.8	1336.4	1339.4	1345.5	1349.9	1349.1
180°	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7
2.5°	4163.5	4152.0	4163.5	4155.8	4159.6	4148.1	4113.5	4102.0	4113.5	4125.0	4125.0
5°	4213.4	4205.8	4213.4	4213.4	4209.5	4201.9	4163.5	4155.8	4163.5	4167.3	4159.6
7.5°	4228.7	4217.3	4228.7	4221.1	4221.1	4213.4	4175.0	4167.3	4171.2	4182.7	4171.2
10°	4228.7	4217.3	4228.7	4224.9	4221.1	4213.4	4175.0	4159.6	4159.6	4171.2	4159.6
12.5°	4209.5	4201.9	4209.5	4201.9	4201.9	4194.2	4155.8	4140.4	4144.2	4148.1	4132.8
15°	4178.8	4167.3	4178.8	4171.2	4175.0	4163.5	4121.3	4105.8	4105.8	4113.5	4086.7
17.5°	4132.8	4117.4	4132.8	4128.9	4125.0	4117.4	4079.0	4063.6	4059.7	4063.6	4044.4
20°	4079.0	4067.5	4079.0	4075.1	4075.1	4059.7	4021.4	4002.2	4002.2	4002.2	3983.0
22.5°	3994.5	3983.0	3994.5	4002.2	4002.2	3998.3	3963.7	3936.9	3929.2	3929.2	3906.1
25°	3898.5	3886.9	3898.5	3898.5	3894.6	3898.5	3886.9	3871.5	3860.0	3848.5	3825.5
27.5°	3806.2	3798.6	3806.2	3798.6	3806.2	3794.7	3790.9	3787.0	3771.7	3760.2	3729.5
30°	3714.1	3706.4	3714.1	3706.4	3698.8	3691.0	3671.8	3664.2	3679.5	3671.8	3621.9
32.5°	3598.9	3591.2	3598.9	3598.9	3591.2	3591.2	3560.5	3549.0	3552.7	3575.8	3529.7
35°	3479.8	3468.2	3479.8	3476.0	3479.8	3468.2	3449.1	3445.2	3429.9	3456.7	3422.2
37.5°	3341.5	3330.0	3341.5	3341.5	3341.5	3349.3	3333.8	3322.3	3299.3	3333.8	3307.0
40°	3199.4	3184.0	3199.4	3195.6	3199.4	3207.1	3199.4	3191.7	3168.7	3195.6	3172.5
42.5°	3038.1	3034.2	3038.1	3042.0	3042.0	3057.3	3068.8	3053.4	3045.8	3026.6	3042.0
45°	2865.2	2857.6	2865.2	2873.0	2876.8	2884.4	2919.0	2919.0	2907.5	2876.8	2899.8
47.5°	2680.9	2661.7	2680.9	2704.0	2704.0	2715.4	2750.0	2777.0	2757.7	2719.3	2730.8
50°	2485.0	2488.9	2485.0	2500.4	2500.4	2542.7	2569.5	2596.4	2615.6	2569.5	2515.7
52.5°	2292.9	2289.2	2292.9	2304.5	2319.9	2339.1	2385.2	2412.0	2442.8	2415.9	2331.4
55°	2100.9	2108.6	2100.9	2104.8	2112.4	2124.0	2193.1	2220.0	2277.6	2243.0	2154.7
57.5°	1908.9	1897.4	1908.9	1916.6	1920.5	1931.9	1989.6	2039.5	2074.0	2077.9	1970.4
60°	1686.2	1670.7	1686.2	1720.7	1728.4	1736.1	1789.8	1836.0	1866.7	1878.2	1766.8
62.5°	1490.2	1463.4	1490.2	1513.3	1528.7	1547.9	1586.3	1655.4	1682.3	1686.2	1528.7
65°	1282.9	1271.3	1282.9	1328.9	1332.8	1355.8	1398.1	1448.0	1505.6	1497.9	1271.3
67.5°	1094.7	1094.7	1094.7	1125.4	1148.4	1159.9	1213.7	1236.7	1309.7	1317.5	1060.1
70°	921.8	917.9	921.8	944.9	960.2	987.1	1037.0	1063.9	1121.5	1140.7	860.4
72.5°	756.7	752.8	756.7	775.9	791.2	814.3	856.5	887.2	937.1	960.2	668.3
75°	610.7	603.0	610.7	626.1	622.2	652.9	687.5	718.2	764.3	779.7	495.4
77.5°	468.6	468.6	468.6	483.9	483.9	514.6	530.0	568.4	595.4	618.4	364.9
80°	349.5	345.6	349.5	353.4	353.4	368.7	395.6	422.5	445.5	445.5	249.6
82.5°	245.8	238.1	245.8	245.8	245.8	253.5	268.9	276.6	291.9	303.4	157.5
85°	153.6	153.6	153.6	157.5	153.6	161.3	165.1	172.9	172.9	165.1	96.0
87.5°	99.9	96.0	99.9	96.0	96.0	92.2	92.2	92.2	88.4	84.5	53.8
90°	34.2	34.2	34.2	34.2	34.2	45.6	60.9	68.5	58.9	39.6	25.2
92.5°	137.2	110.0	137.2	164.4	171.2	242.7	338.0	385.7	338.6	244.5	173.9
95°	478.1	395.6	478.1	560.6	581.2	763.3	1006.0	1127.3	952.1	601.7	338.9
97.5°	1145.6	988.6	1145.6	1302.5	1341.8	1456.8	1610.2	1686.9	1394.8	810.5	372.2
100°	1650.5	1463.5	1650.5	1837.5	1884.3	1875.9	1864.6	1859.0	1534.8	886.4	400.1
102.5°	2147.2	1987.0	2147.2	2307.5	2347.5	2200.9	2005.4	1907.8	1578.9	921.2	428.0
105°	2780.5	2694.4	2780.5	2866.7	2888.2	2559.6	2121.4	1902.3	1583.9	947.1	469.5
107.5°	3195.4	3216.2	3195.4	3174.5	3169.3	2711.0	2099.8	1794.2	1513.5	951.9	530.8
110°	3353.5	3443.2	3353.5	3263.8	3241.4	2729.0	2045.8	1704.1	1451.0	944.7	565.0



TEST NUMBER: P934879

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3367.7	3505.5	3367.7	3229.9	3195.5	2671.0	1971.7	1622.1	1396.4	945.1	606.5
115°	3278.3	3469.4	3278.3	3087.3	3039.6	2534.3	1860.7	1523.8	1333.8	953.7	668.6
117.5°	3089.0	3300.9	3089.0	2877.2	2824.2	2368.1	1760.2	1456.2	1294.6	971.4	729.0
120°	2936.5	3142.3	2936.5	2730.5	2679.1	2262.4	1706.9	1429.2	1281.4	985.9	764.2
122.5°	2787.8	2990.9	2787.8	2584.8	2534.0	2158.8	1658.5	1408.4	1274.5	1006.6	805.6
125°	2575.9	2762.9	2575.9	2388.9	2342.1	2023.4	1598.5	1386.0	1268.8	1034.5	858.8
127.5°	2385.3	2543.0	2385.3	2227.4	2188.0	1914.4	1549.5	1367.1	1265.5	1062.5	910.2
130°	2272.9	2418.7	2272.9	2127.1	2090.6	1847.0	1522.2	1359.8	1267.5	1082.9	944.4
132.5°	2170.9	2301.6	2170.9	2040.4	2007.8	1789.6	1498.8	1353.5	1268.8	1099.3	972.3
135°	2031.3	2143.8	2031.3	1918.7	1890.6	1708.0	1464.4	1342.7	1267.6	1117.5	1004.8
137.5°	1919.2	2011.4	1919.2	1827.1	1804.1	1649.7	1443.8	1340.9	1275.4	1144.5	1046.2
140°	1842.4	1928.4	1842.4	1756.2	1734.7	1601.4	1423.6	1334.6	1276.8	1161.0	1074.1
142.5°	1778.7	1852.7	1778.7	1704.6	1686.1	1568.9	1412.7	1334.6	1281.3	1174.8	1094.9
145°	1683.2	1739.2	1683.2	1627.1	1613.1	1517.3	1389.4	1325.6	1281.3	1192.8	1126.5
147.5°	1609.8	1656.3	1609.8	1563.4	1551.8	1476.4	1375.9	1325.6	1290.1	1219.3	1166.1
150°	1563.7	1601.4	1563.7	1526.0	1516.6	1452.9	1368.0	1325.6	1294.8	1233.1	1186.8
152.5°	1524.2	1552.6	1524.2	1495.7	1488.7	1434.3	1361.8	1325.6	1297.8	1242.1	1200.3
155°	1478.9	1497.7	1478.9	1460.1	1455.3	1412.1	1354.5	1325.6	1304.4	1261.9	1230.0
157.5°	1443.0	1456.2	1443.0	1429.8	1426.5	1392.8	1348.0	1325.6	1311.0	1281.7	1259.8
160°	1421.6	1429.2	1421.6	1414.1	1412.1	1383.2	1344.8	1325.6	1314.0	1290.8	1273.4
162.5°	1407.6	1414.8	1407.6	1400.4	1398.6	1374.2	1341.8	1325.6	1317.2	1300.3	1287.7
165°	1387.3	1395.0	1387.3	1379.8	1377.8	1360.4	1337.2	1325.6	1321.8	1314.2	1308.4
167.5°	1372.9	1376.1	1372.9	1369.6	1368.8	1357.4	1342.2	1334.6	1331.4	1325.0	1320.2
170°	1368.8	1368.8	1368.8	1368.8	1368.8	1357.4	1342.2	1334.6	1334.4	1334.0	1333.7
172.5°	1358.2	1355.3	1358.2	1361.0	1361.6	1352.6	1340.6	1334.6	1334.6	1334.6	1334.6
175°	1351.8	1351.8	1351.8	1351.8	1351.8	1346.0	1338.4	1334.6	1336.4	1340.0	1342.7
177.5°	1345.9	1342.7	1345.9	1349.1	1349.9	1345.5	1339.4	1336.4	1337.8	1340.6	1342.7
180°	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7



TEST NUMBER: P934879

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7
2.5°	4117.4	4094.3	4094.3	4055.9	4040.5	4029.0	4009.8	3952.3	3936.9	3921.4	3944.5
5°	4152.0	4109.7	4079.0	4009.8	3952.3	3929.2	3856.2	3718.0	3625.7	3556.6	3518.2
7.5°	4159.6	4105.8	4048.2	3940.7	3802.5	3741.0	3518.2	3264.8	3195.6	3134.1	3095.7
10°	4152.0	4090.5	4009.8	3848.5	3522.0	3414.5	3191.7	3026.6	2984.3	2972.8	2984.3
12.5°	4125.0	4067.5	3956.0	3687.2	3230.2	3157.2	3026.6	2930.5	2922.9	2942.1	3045.8
15°	4079.0	4025.2	3894.6	3472.1	3068.8	3015.0	2922.9	2888.3	2930.5	3064.9	3376.1
17.5°	4032.9	3971.4	3810.1	3260.9	2946.0	2907.5	2842.2	2911.4	3149.4	3330.0	3433.7
20°	3971.4	3898.5	3714.1	3107.2	2857.6	2823.0	2792.3	3103.4	3283.9	3349.3	3406.8
22.5°	3898.5	3821.6	3583.5	2999.7	2765.4	2738.5	2757.7	3211.0	3283.9	3330.0	3380.0
25°	3802.5	3737.1	3429.9	2915.2	2692.5	2661.7	2734.7	3199.4	3241.7	3253.2	3353.0
27.5°	3714.1	3629.6	3268.5	2838.4	2604.1	2592.6	2753.9	3149.4	3180.3	3191.7	3299.3
30°	3606.5	3479.8	3088.0	2757.7	2511.9	2508.1	2757.7	3088.0	3080.4	3111.1	3218.6
32.5°	3495.2	3257.0	2884.4	2657.9	2423.6	2419.7	2730.8	2995.9	2988.2	3030.5	3111.1
35°	3391.5	3084.2	2608.0	2542.7	2312.2	2316.0	2665.5	2888.3	2892.2	2930.5	2980.5
37.5°	3283.9	2934.4	2304.5	2415.9	2204.7	2204.7	2577.2	2788.5	2780.7	2792.3	2861.5
40°	3157.2	2700.1	2035.7	2250.7	2104.8	2093.2	2469.7	2680.9	2654.0	2650.2	2746.2
42.5°	3022.7	2442.8	1836.0	2031.8	1989.6	1974.1	2339.1	2550.3	2500.4	2511.9	2634.8
45°	2876.8	2373.7	1682.3	1716.9	1870.5	1858.9	2196.9	2400.5	2365.9	2396.7	2523.5
47.5°	2730.8	2235.4	1632.4	1424.9	1743.7	1739.9	2039.5	2254.6	2235.4	2266.1	2400.5
50°	2531.1	2081.7	1628.5	1221.4	1601.7	1617.0	1851.3	2112.4	2112.4	2139.4	2281.4
52.5°	2273.8	1893.5	1478.7	1106.1	1436.4	1482.6	1686.2	1989.6	1997.2	2024.1	2150.9
55°	2039.5	1697.7	1371.1	1017.8	1240.6	1340.4	1524.8	1862.8	1878.2	1905.1	2020.3
57.5°	1824.4	1413.4	1348.2	914.2	1060.1	1156.1	1382.7	1739.9	1747.6	1770.7	1882.0
60°	1593.9	1021.6	1236.7	802.7	902.6	975.6	1252.1	1593.9	1620.8	1636.2	1732.2
62.5°	1332.8	741.3	1121.5	725.9	825.8	841.2	1144.6	1455.6	1490.2	1501.8	1559.4
65°	948.7	622.2	952.5	660.7	745.2	748.9	1029.4	1313.6	1344.3	1363.5	1405.7
67.5°	641.4	507.0	725.9	599.1	683.6	687.5	917.9	1148.4	1190.6	1206.0	1233.0
70°	445.5	338.0	537.7	533.9	614.5	622.2	798.9	998.7	1037.0	1048.6	1063.9
72.5°	326.5	272.7	445.5	480.1	541.6	549.2	676.0	829.7	868.0	879.6	887.2
75°	249.6	288.1	361.0	418.6	460.9	464.7	553.1	676.0	702.9	710.6	714.3
77.5°	199.7	268.9	265.0	338.0	376.4	368.7	434.0	522.4	545.4	545.4	545.4
80°	149.8	211.2	199.7	242.0	276.6	268.9	311.1	372.6	380.2	387.9	384.1
82.5°	111.3	134.4	134.4	153.6	184.4	176.6	207.4	242.0	242.0	242.0	249.6
85°	69.1	76.8	61.4	80.6	103.7	99.9	115.2	130.6	134.4	134.4	126.7
87.5°	42.2	34.6	19.2	30.7	46.1	46.1	53.8	57.7	53.8	53.8	53.8
90°	23.4	16.2	9.0	16.2	23.4	25.2	39.6	58.9	68.5	60.9	45.6
92.5°	158.6	97.3	36.0	97.3	158.6	173.9	244.5	338.6	385.7	338.0	242.7
95°	310.9	198.6	86.5	198.6	310.9	338.9	601.7	952.1	1127.3	1006.0	763.3
97.5°	347.5	248.5	149.6	248.5	347.5	372.2	810.5	1394.8	1686.9	1610.2	1456.8
100°	377.7	288.0	198.3	288.0	377.7	400.1	886.4	1534.8	1859.0	1864.6	1875.9
102.5°	407.1	323.5	239.7	323.5	407.1	428.0	921.2	1578.9	1907.8	2005.4	2200.9
105°	451.7	380.9	310.0	380.9	451.7	469.5	947.1	1583.9	1902.3	2121.4	2559.6
107.5°	514.2	448.2	382.1	448.2	514.2	530.8	951.9	1513.5	1794.2	2099.8	2711.0
110°	550.1	490.4	430.7	490.4	550.1	565.0	944.7	1451.0	1704.1	2045.8	2729.0



TEST NUMBER: P934879

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	592.3	535.4	478.5	535.4	592.3	606.5	945.1	1396.4	1622.1	1971.7	2671.0
115°	655.5	603.0	550.6	603.0	655.5	668.6	953.7	1333.8	1523.8	1860.7	2534.3
117.5°	717.1	669.5	621.8	669.5	717.1	729.0	971.4	1294.6	1456.2	1760.2	2368.1
120°	752.9	708.1	663.3	708.1	752.9	764.2	985.9	1281.4	1429.2	1706.9	2262.4
122.5°	794.3	749.0	703.8	749.0	794.3	805.6	1006.6	1274.5	1408.4	1658.5	2158.8
125°	848.6	807.3	766.0	807.3	848.6	858.8	1034.5	1268.8	1386.0	1598.5	2023.4
127.5°	899.8	858.1	816.5	858.1	899.8	910.2	1062.5	1265.5	1367.1	1549.5	1914.4
130°	933.1	888.4	843.5	888.4	933.1	944.4	1082.9	1267.5	1359.8	1522.2	1847.0
132.5°	961.1	916.3	871.4	916.3	961.1	972.3	1099.3	1268.8	1353.5	1498.8	1789.6
135°	994.6	953.7	912.9	953.7	994.6	1004.8	1117.5	1267.6	1342.7	1464.4	1708.0
137.5°	1036.2	995.6	955.2	995.6	1036.2	1046.2	1144.5	1275.4	1340.9	1443.8	1649.7
140°	1064.8	1027.5	990.3	1027.5	1064.8	1074.1	1161.0	1276.8	1334.6	1423.6	1601.4
142.5°	1086.2	1051.8	1017.4	1051.8	1086.2	1094.9	1174.8	1281.3	1334.6	1412.7	1568.9
145°	1118.9	1088.9	1058.8	1088.9	1118.9	1126.5	1192.8	1281.3	1325.6	1389.4	1517.3
147.5°	1158.8	1129.6	1100.3	1129.6	1158.8	1166.1	1219.3	1290.1	1325.6	1375.9	1476.4
150°	1180.2	1153.8	1127.3	1153.8	1180.2	1186.8	1233.1	1294.8	1325.6	1368.0	1452.9
152.5°	1195.3	1175.3	1155.2	1175.3	1195.3	1200.3	1242.1	1297.8	1325.6	1361.8	1434.3
155°	1226.4	1211.5	1196.7	1211.5	1226.4	1230.0	1261.9	1304.4	1325.6	1354.5	1412.1
157.5°	1256.2	1241.8	1227.3	1241.8	1256.2	1259.8	1281.7	1311.0	1325.6	1348.0	1392.8
160°	1270.6	1259.3	1248.1	1259.3	1270.6	1273.4	1290.8	1314.0	1325.6	1344.8	1383.2
162.5°	1285.6	1277.2	1268.8	1277.2	1285.6	1287.7	1300.3	1317.2	1325.6	1341.8	1374.2
165°	1306.5	1298.9	1291.4	1298.9	1306.5	1308.4	1314.2	1321.8	1325.6	1337.2	1360.4
167.5°	1319.3	1315.6	1312.0	1315.6	1319.3	1320.2	1325.0	1331.4	1334.6	1342.2	1357.4
170°	1332.9	1329.2	1325.6	1329.2	1332.9	1333.7	1334.0	1334.4	1334.6	1342.2	1357.4
172.5°	1334.4	1333.5	1332.8	1333.5	1334.4	1334.6	1334.6	1334.6	1334.6	1340.6	1352.6
175°	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1340.0	1336.4	1334.6	1338.4	1346.0
177.5°	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1340.6	1337.8	1336.4	1339.4	1345.5
180°	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7



TEST NUMBER: P934879

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7
2.5°	3917.7	3906.1	3921.4	3879.2	3921.4	3906.1	3917.7	3944.5	3921.4	3936.9	3952.3
5°	3437.5	3418.3	3356.9	3307.0	3356.9	3418.3	3437.5	3518.2	3556.6	3625.7	3718.0
7.5°	3072.7	3057.3	3042.0	3011.2	3042.0	3057.3	3072.7	3095.7	3134.1	3195.6	3264.8
10°	2992.0	2995.9	3018.9	3015.0	3018.9	2995.9	2992.0	2984.3	2972.8	2984.3	3026.6
12.5°	3199.4	3233.9	3360.7	3353.0	3360.7	3233.9	3199.4	3045.8	2942.1	2922.9	2930.5
15°	3437.5	3449.1	3476.0	3479.8	3476.0	3449.1	3437.5	3376.1	3064.9	2930.5	2888.3
17.5°	3460.6	3464.5	3483.7	3483.7	3483.7	3464.5	3460.6	3433.7	3330.0	3149.4	2911.4
20°	3441.4	3449.1	3487.4	3495.2	3487.4	3449.1	3441.4	3406.8	3349.3	3283.9	3103.4
22.5°	3433.7	3449.1	3479.8	3476.0	3479.8	3449.1	3433.7	3380.0	3330.0	3283.9	3211.0
25°	3395.3	3395.3	3399.2	3402.9	3399.2	3395.3	3395.3	3353.0	3253.2	3241.7	3199.4
27.5°	3314.7	3322.3	3345.4	3341.5	3345.4	3322.3	3314.7	3299.3	3191.7	3180.3	3149.4
30°	3241.7	3233.9	3214.8	3199.4	3214.8	3233.9	3241.7	3218.6	3111.1	3080.4	3088.0
32.5°	3118.7	3099.5	3080.4	3068.8	3080.4	3099.5	3118.7	3111.1	3030.5	2988.2	2995.9
35°	2972.8	2976.7	2972.8	2961.3	2972.8	2976.7	2972.8	2980.5	2930.5	2892.2	2888.3
37.5°	2869.1	2876.8	2873.0	2857.6	2873.0	2876.8	2869.1	2861.5	2792.3	2780.7	2788.5
40°	2761.6	2765.4	2761.6	2750.0	2761.6	2765.4	2761.6	2746.2	2650.2	2654.0	2680.9
42.5°	2657.9	2654.0	2642.5	2634.8	2642.5	2654.0	2657.9	2634.8	2511.9	2500.4	2550.3
45°	2538.8	2542.7	2519.6	2508.1	2519.6	2542.7	2538.8	2523.5	2396.7	2365.9	2400.5
47.5°	2419.7	2419.7	2400.5	2389.0	2400.5	2419.7	2419.7	2400.5	2266.1	2235.4	2254.6
50°	2292.9	2289.2	2262.2	2258.4	2262.2	2289.2	2292.9	2281.4	2139.4	2112.4	2112.4
52.5°	2147.0	2147.0	2150.9	2158.5	2150.9	2147.0	2147.0	2150.9	2024.1	1997.2	1989.6
55°	2020.3	2024.1	2051.0	2058.6	2051.0	2024.1	2020.3	2020.3	1905.1	1878.2	1862.8
57.5°	1889.6	1889.6	1908.9	1908.9	1908.9	1889.6	1889.6	1882.0	1770.7	1747.6	1739.9
60°	1739.9	1747.6	1762.9	1759.1	1762.9	1747.6	1739.9	1732.2	1636.2	1620.8	1593.9
62.5°	1582.4	1590.1	1593.9	1586.3	1593.9	1590.1	1582.4	1559.4	1501.8	1490.2	1455.6
65°	1417.3	1424.9	1428.8	1421.1	1428.8	1424.9	1417.3	1405.7	1363.5	1344.3	1313.6
67.5°	1248.3	1244.4	1240.6	1255.9	1240.6	1244.4	1248.3	1233.0	1206.0	1190.6	1148.4
70°	1075.4	1075.4	1071.6	1079.3	1071.6	1075.4	1075.4	1063.9	1048.6	1037.0	998.7
72.5°	891.1	887.2	902.6	891.1	902.6	887.2	891.1	887.2	879.6	868.0	829.7
75°	710.6	718.2	710.6	722.1	710.6	718.2	710.6	714.3	710.6	702.9	676.0
77.5°	541.6	549.2	541.6	541.6	541.6	549.2	541.6	545.4	545.4	545.4	522.4
80°	384.1	380.2	380.2	376.4	380.2	380.2	384.1	384.1	387.9	380.2	372.6
82.5°	245.8	242.0	242.0	249.6	242.0	242.0	245.8	249.6	242.0	242.0	242.0
85°	134.4	138.3	130.6	130.6	130.6	138.3	134.4	126.7	134.4	134.4	130.6
87.5°	49.9	46.1	46.1	46.1	46.1	46.1	49.9	53.8	53.8	53.8	57.7
90°	34.2	34.2	34.2	34.2	34.2	34.2	34.2	45.6	60.9	68.5	58.9
92.5°	171.2	164.4	137.2	110.0	137.2	164.4	171.2	242.7	338.0	385.7	338.6
95°	581.2	560.6	478.1	395.6	478.1	560.6	581.2	763.3	1006.0	1127.3	952.1
97.5°	1341.8	1302.5	1145.6	988.6	1145.6	1302.5	1341.8	1456.8	1610.2	1686.9	1394.8
100°	1884.3	1837.5	1650.5	1463.5	1650.5	1837.5	1884.3	1875.9	1864.6	1859.0	1534.8
102.5°	2347.5	2307.5	2147.2	1987.0	2147.2	2307.5	2347.5	2200.9	2005.4	1907.8	1578.9
105°	2888.2	2866.7	2780.5	2694.4	2780.5	2866.7	2888.2	2559.6	2121.4	1902.3	1583.9
107.5°	3169.3	3174.5	3195.4	3216.2	3195.4	3174.5	3169.3	2711.0	2099.8	1794.2	1513.5
110°	3241.4	3263.8	3353.5	3443.2	3353.5	3263.8	3241.4	2729.0	2045.8	1704.1	1451.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3195.5	3229.9	3367.7	3505.5	3367.7	3229.9	3195.5	2671.0	1971.7	1622.1	1396.4
115°	3039.6	3087.3	3278.3	3469.4	3278.3	3087.3	3039.6	2534.3	1860.7	1523.8	1333.8
117.5°	2824.2	2877.2	3089.0	3300.9	3089.0	2877.2	2824.2	2368.1	1760.2	1456.2	1294.6
120°	2679.1	2730.5	2936.5	3142.3	2936.5	2730.5	2679.1	2262.4	1706.9	1429.2	1281.4
122.5°	2534.0	2584.8	2787.8	2990.9	2787.8	2584.8	2534.0	2158.8	1658.5	1408.4	1274.5
125°	2342.1	2388.9	2575.9	2762.9	2575.9	2388.9	2342.1	2023.4	1598.5	1386.0	1268.8
127.5°	2188.0	2227.4	2385.3	2543.0	2385.3	2227.4	2188.0	1914.4	1549.5	1367.1	1265.5
130°	2090.6	2127.1	2272.9	2418.7	2272.9	2127.1	2090.6	1847.0	1522.2	1359.8	1267.5
132.5°	2007.8	2040.4	2170.9	2301.6	2170.9	2040.4	2007.8	1789.6	1498.8	1353.5	1268.8
135°	1890.6	1918.7	2031.3	2143.8	2031.3	1918.7	1890.6	1708.0	1464.4	1342.7	1267.6
137.5°	1804.1	1827.1	1919.2	2011.4	1919.2	1827.1	1804.1	1649.7	1443.8	1340.9	1275.4
140°	1734.7	1756.2	1842.4	1928.4	1842.4	1756.2	1734.7	1601.4	1423.6	1334.6	1276.8
142.5°	1686.1	1704.6	1778.7	1852.7	1778.7	1704.6	1686.1	1568.9	1412.7	1334.6	1281.3
145°	1613.1	1627.1	1683.2	1739.2	1683.2	1627.1	1613.1	1517.3	1389.4	1325.6	1281.3
147.5°	1551.8	1563.4	1609.8	1656.3	1609.8	1563.4	1551.8	1476.4	1375.9	1325.6	1290.1
150°	1516.6	1526.0	1563.7	1601.4	1563.7	1526.0	1516.6	1452.9	1368.0	1325.6	1294.8
152.5°	1488.7	1495.7	1524.2	1552.6	1524.2	1495.7	1488.7	1434.3	1361.8	1325.6	1297.8
155°	1455.3	1460.1	1478.9	1497.7	1478.9	1460.1	1455.3	1412.1	1354.5	1325.6	1304.4
157.5°	1426.5	1429.8	1443.0	1456.2	1443.0	1429.8	1426.5	1392.8	1348.0	1325.6	1311.0
160°	1412.1	1414.1	1421.6	1429.2	1421.6	1414.1	1412.1	1383.2	1344.8	1325.6	1314.0
162.5°	1398.6	1400.4	1407.6	1414.8	1407.6	1400.4	1398.6	1374.2	1341.8	1325.6	1317.2
165°	1377.8	1379.8	1387.3	1395.0	1387.3	1379.8	1377.8	1360.4	1337.2	1325.6	1321.8
167.5°	1368.8	1369.6	1372.9	1376.1	1372.9	1369.6	1368.8	1357.4	1342.2	1334.6	1331.4
170°	1368.8	1368.8	1368.8	1368.8	1368.8	1368.8	1368.8	1357.4	1342.2	1334.6	1334.4
172.5°	1361.6	1361.0	1358.2	1355.3	1358.2	1361.0	1361.6	1352.6	1340.6	1334.6	1334.6
175°	1351.8	1351.8	1351.8	1351.8	1351.8	1351.8	1351.8	1346.0	1338.4	1334.6	1336.4
177.5°	1349.9	1349.1	1345.9	1342.7	1345.9	1349.1	1349.9	1345.5	1339.4	1336.4	1337.8
180°	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7	1342.7



TEST NUMBER: P934879

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4059.7	4059.7	4059.7	4059.7	4059.7
2.5°	4009.8	4029.0	4040.5	4055.9	4094.3
5°	3856.2	3929.2	3952.3	4009.8	4079.0
7.5°	3518.2	3741.0	3802.5	3940.7	4048.2
10°	3191.7	3414.5	3522.0	3848.5	4009.8
12.5°	3026.6	3157.2	3230.2	3687.2	3956.0
15°	2922.9	3015.0	3068.8	3472.1	3894.6
17.5°	2842.2	2907.5	2946.0	3260.9	3810.1
20°	2792.3	2823.0	2857.6	3107.2	3714.1
22.5°	2757.7	2738.5	2765.4	2999.7	3583.5
25°	2734.7	2661.7	2692.5	2915.2	3429.9
27.5°	2753.9	2592.6	2604.1	2838.4	3268.5
30°	2757.7	2508.1	2511.9	2757.7	3088.0
32.5°	2730.8	2419.7	2423.6	2657.9	2884.4
35°	2665.5	2316.0	2312.2	2542.7	2608.0
37.5°	2577.2	2204.7	2204.7	2415.9	2304.5
40°	2469.7	2093.2	2104.8	2250.7	2035.7
42.5°	2339.1	1974.1	1989.6	2031.8	1836.0
45°	2196.9	1858.9	1870.5	1716.9	1682.3
47.5°	2039.5	1739.9	1743.7	1424.9	1632.4
50°	1851.3	1617.0	1601.7	1221.4	1628.5
52.5°	1686.2	1482.6	1436.4	1106.1	1478.7
55°	1524.8	1340.4	1240.6	1017.8	1371.1
57.5°	1382.7	1156.1	1060.1	914.2	1348.2
60°	1252.1	975.6	902.6	802.7	1236.7
62.5°	1144.6	841.2	825.8	725.9	1121.5
65°	1029.4	748.9	745.2	660.7	952.5
67.5°	917.9	687.5	683.6	599.1	725.9
70°	798.9	622.2	614.5	533.9	537.7
72.5°	676.0	549.2	541.6	480.1	445.5
75°	553.1	464.7	460.9	418.6	361.0
77.5°	434.0	368.7	376.4	338.0	265.0
80°	311.1	268.9	276.6	242.0	199.7
82.5°	207.4	176.6	184.4	153.6	134.4
85°	115.2	99.9	103.7	80.6	61.4
87.5°	53.8	46.1	46.1	30.7	19.2
90°	39.6	25.2	23.4	16.2	9.0
92.5°	244.5	173.9	158.6	97.3	36.0
95°	601.7	338.9	310.9	198.6	86.5
97.5°	810.5	372.2	347.5	248.5	149.6
100°	886.4	400.1	377.7	288.0	198.3
102.5°	921.2	428.0	407.1	323.5	239.7
105°	947.1	469.5	451.7	380.9	310.0
107.5°	951.9	530.8	514.2	448.2	382.1
110°	944.7	565.0	550.1	490.4	430.7



TEST NUMBER: P934879

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	945.1	606.5	592.3	535.4	478.5
115°	953.7	668.6	655.5	603.0	550.6
117.5°	971.4	729.0	717.1	669.5	621.8
120°	985.9	764.2	752.9	708.1	663.3
122.5°	1006.6	805.6	794.3	749.0	703.8
125°	1034.5	858.8	848.6	807.3	766.0
127.5°	1062.5	910.2	899.8	858.1	816.5
130°	1082.9	944.4	933.1	888.4	843.5
132.5°	1099.3	972.3	961.1	916.3	871.4
135°	1117.5	1004.8	994.6	953.7	912.9
137.5°	1144.5	1046.2	1036.2	995.6	955.2
140°	1161.0	1074.1	1064.8	1027.5	990.3
142.5°	1174.8	1094.9	1086.2	1051.8	1017.4
145°	1192.8	1126.5	1118.9	1088.9	1058.8
147.5°	1219.3	1166.1	1158.8	1129.6	1100.3
150°	1233.1	1186.8	1180.2	1153.8	1127.3
152.5°	1242.1	1200.3	1195.3	1175.3	1155.2
155°	1261.9	1230.0	1226.4	1211.5	1196.7
157.5°	1281.7	1259.8	1256.2	1241.8	1227.3
160°	1290.8	1273.4	1270.6	1259.3	1248.1
162.5°	1300.3	1287.7	1285.6	1277.2	1268.8
165°	1314.2	1308.4	1306.5	1298.9	1291.4
167.5°	1325.0	1320.2	1319.3	1315.6	1312.0
170°	1334.0	1333.7	1332.9	1329.2	1325.6
172.5°	1334.6	1334.6	1334.4	1333.5	1332.8
175°	1340.0	1342.7	1342.7	1342.7	1342.7
177.5°	1340.6	1342.7	1342.7	1342.7	1342.7
180°	1342.7	1342.7	1342.7	1342.7	1342.7



TEST NUMBER: P934879
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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	14.03	14.94	14.95	15.87	17.07	16.88	17.79	17.80	18.72	19.92
	3H	14.51	15.32	15.44	16.27	17.49	18.24	19.05	19.17	19.99	21.22
	4H	14.70	15.47	15.65	16.42	17.66	18.69	19.46	19.63	20.40	21.64
	6H	14.83	15.53	15.78	16.49	17.73	18.98	19.69	19.93	20.64	21.89
	8H	14.83	15.50	15.79	16.47	17.72	19.06	19.73	20.02	20.70	21.95
	12H	14.80	15.44	15.77	16.41	17.68	19.10	19.74	20.07	20.71	21.98
4H	2H	15.07	15.84	16.02	16.79	18.02	17.30	18.06	18.24	19.01	20.25
	3H	16.11	16.75	17.06	17.72	18.97	18.81	19.45	19.77	20.43	21.68
	4H	16.38	16.97	17.35	17.94	19.21	19.35	19.93	20.31	20.90	22.18
	6H	16.51	17.01	17.49	18.01	19.28	19.72	20.22	20.70	21.22	22.49
	8H	16.52	16.99	17.50	17.98	19.26	19.83	20.30	20.81	21.29	22.58
	12H	16.49	16.91	17.49	17.92	19.21	19.89	20.32	20.89	21.32	22.62
8H	4H	16.84	17.31	17.83	18.30	19.59	19.47	19.94	20.46	20.93	22.22
	6H	17.11	17.50	18.11	18.53	19.81	19.92	20.31	20.93	21.34	22.62
	8H	17.15	17.49	18.17	18.51	19.82	20.07	20.42	21.09	21.44	22.74
	12H	17.14	17.44	18.16	18.45	19.80	20.18	20.48	21.20	21.49	22.84
12H	4H	16.85	17.28	17.85	18.28	19.58	19.44	19.86	20.44	20.87	22.16
	6H	17.17	17.51	18.19	18.53	19.84	19.92	20.26	20.93	21.28	22.58
	8H	17.24	17.54	18.26	18.55	19.90	20.08	20.38	21.10	21.40	22.75