

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: P934997

Luminaire Tested: SQ4-FA-075U-125D-B35-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934997
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-B35-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

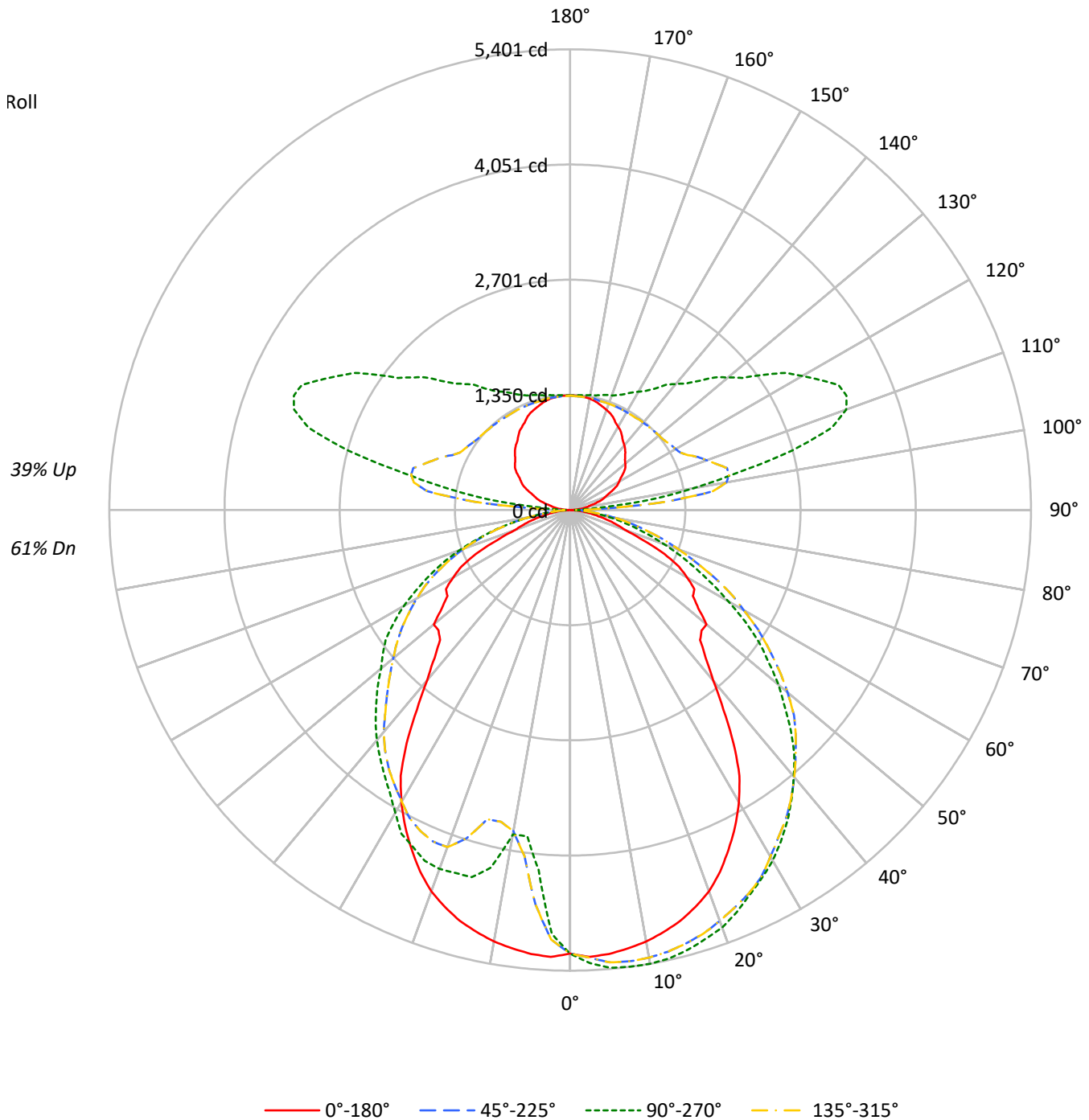
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22191.1 lumens
Efficiency: N/A
Efficacy: 119.3 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

TEST NUMBER: P934997
CATALOG NUMBER: SQ4-FA-075U-125D-B35-1D-UNV-STD-W-12

Luminous Intensity Polar Plot





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CATALOG NUMBER: SQ4-FA-075U-125D-B35-1D-UNV-STD-W-12

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16083	16083	16083	16083
5°	16209	16235	16209	12766
10°	16107	15992	16107	11433
15°	15937	15645	15937	13064
20°	15610	15235	15610	13092
25°	14934	14636	14934	12814
30°	14058	14139	14058	12205
35°	12539	13511	12539	11536
40°	10454	12771	10454	11030
45°	9347	11904	9347	10448
50°	9938	10871	9938	9865
55°	9359	9758	9359	9527
60°	9659	8287	9659	8726
65°	8772	6851	8772	7658
70°	6089	5460	6089	6419
75°	5359	4036	5359	4833
80°	4351	2668	4351	2905
85°	2550	1413	2550	1201

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14316 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	469.4	2.1
10°-20°	1332.6	6.0
20°-30°	2060.0	9.3
30°-40°	2459.2	11.1
40°-50°	2473.6	11.1
50°-60°	2152.4	9.7
60°-70°	1526.1	6.9
70°-80°	807.4	3.6
80°-90°	206.2	0.9
90°-100°	654.5	2.9
100°-110°	1720.7	7.8
110°-120°	1784.2	8.0
120°-130°	1431.2	6.4
130°-140°	1122.9	5.1
140°-150°	861.9	3.9
150°-160°	620.7	2.8
160°-170°	379.8	1.7
170°-180°	128.3	0.6
0°-30°	3862.0	17.4
0°-40°	6321.2	28.5
0°-60°	10947.2	49.3
0°-90°	13486.8	60.8
90°-120°	4159.4	18.7
90°-150°	7575.4	34.1
90°-180°	8704.0	39.2
0°-180°	22191.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5200	5200	5200	5200	5200	
5°	5224	5387	5224	4236	5224	496
15°	4988	5337	4988	4457	4988	1403
25°	4393	4978	4393	4358	4393	2017
35°	3340	4442	3340	3793	3340	2066
45°	2155	3660	2155	3212	2155	1726
55°	1756	2701	1756	2637	1756	1614
65°	1220	1628	1220	1820	1220	1166
75°	462	772	462	925	462	486
85°	79	197	79	167	79	106
90°	9	34	9	34	9	11
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	



TEST NUMBER: P934997

CATALOG NUMBER: SQ4-FA-075U-125D-B35-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7
2.5°	5243.9	5243.9	5273.4	5283.3	5283.3	5268.5	5253.7	5268.5	5312.7	5327.6	5322.6
5°	5224.2	5263.6	5317.7	5327.6	5337.3	5332.4	5322.6	5332.4	5381.6	5391.5	5396.4
7.5°	5184.8	5258.7	5327.6	5342.3	5357.0	5342.3	5337.3	5347.2	5396.4	5406.2	5406.2
10°	5135.7	5239.0	5317.7	5327.6	5342.3	5327.6	5327.6	5347.2	5396.4	5406.2	5411.2
12.5°	5066.8	5209.4	5283.3	5293.1	5312.7	5307.8	5302.9	5322.6	5371.7	5381.6	5381.6
15°	4988.1	5155.4	5224.2	5234.1	5268.5	5258.7	5258.7	5278.3	5332.4	5347.2	5342.3
17.5°	4879.9	5086.5	5165.2	5180.0	5204.5	5199.7	5204.5	5224.2	5273.4	5283.3	5288.1
20°	4756.9	4993.0	5086.5	5101.2	5125.8	5125.8	5125.8	5150.4	5199.7	5219.3	5219.3
22.5°	4589.7	4894.6	4993.0	5002.9	5032.4	5032.4	5042.2	5076.6	5120.9	5125.8	5125.8
25°	4392.9	4786.4	4870.0	4899.6	4929.1	4943.8	4958.6	4978.2	4993.0	4988.1	4993.0
27.5°	4186.3	4648.7	4756.9	4776.6	4815.9	4830.7	4850.3	4855.3	4860.2	4874.9	4865.2
30°	3955.1	4456.8	4619.1	4638.8	4702.8	4712.6	4693.0	4702.8	4727.4	4737.2	4747.0
32.5°	3694.3	4171.5	4476.5	4520.8	4579.8	4550.3	4545.4	4560.1	4599.5	4599.5	4609.3
35°	3340.1	3950.1	4343.6	4383.0	4427.3	4392.9	4412.5	4417.5	4442.1	4456.8	4451.9
37.5°	2951.6	3758.3	4205.9	4235.5	4269.9	4225.6	4255.2	4269.9	4289.6	4279.7	4279.7
40°	2607.2	3458.2	4043.6	4063.3	4092.8	4058.4	4087.9	4097.7	4107.6	4097.7	4092.8
42.5°	2351.4	3128.6	3871.4	3896.1	3876.4	3900.9	3910.8	3930.5	3915.7	3896.1	3896.1
45°	2154.6	3040.0	3684.5	3714.0	3684.5	3723.9	3738.6	3738.6	3694.3	3684.5	3679.6
47.5°	2090.7	2863.0	3497.6	3497.6	3482.8	3532.0	3556.6	3522.1	3477.9	3463.1	3463.1
50°	2085.8	2666.2	3241.8	3222.1	3290.9	3350.0	3325.4	3290.9	3256.5	3202.4	3202.4
52.5°	1893.9	2425.2	2912.1	2986.0	3094.2	3128.6	3089.3	3054.9	2995.8	2971.2	2951.6
55°	1756.1	2174.3	2612.1	2759.7	2872.8	2917.1	2843.3	2808.8	2720.4	2705.5	2695.8
57.5°	1726.7	1810.3	2336.6	2523.6	2661.3	2656.4	2612.1	2548.2	2474.3	2459.6	2454.7
60°	1584.0	1308.5	2041.5	2262.8	2405.5	2390.7	2351.4	2292.4	2223.5	2213.7	2203.8
62.5°	1436.4	949.4	1707.0	1957.9	2159.5	2154.6	2120.2	2031.6	1982.5	1957.9	1938.2
65°	1220.0	796.9	1215.0	1628.3	1918.5	1928.3	1854.6	1790.6	1736.4	1707.0	1702.0
67.5°	929.8	649.3	821.5	1357.7	1687.3	1677.4	1584.0	1554.5	1485.6	1470.8	1441.3
70°	688.7	432.9	570.6	1101.9	1461.0	1436.4	1362.6	1328.2	1264.3	1229.8	1210.1
72.5°	570.6	349.2	418.1	855.9	1229.8	1200.3	1136.3	1097.0	1042.8	1013.4	993.7
75°	462.4	368.9	319.8	634.6	998.6	978.9	919.9	880.5	836.2	796.9	801.8
77.5°	339.4	344.4	255.8	467.3	792.0	762.5	728.0	678.9	659.2	619.9	619.9
80°	255.8	270.5	191.9	319.8	570.6	570.6	541.1	506.7	472.3	452.5	452.5
82.5°	172.2	172.2	142.6	201.6	388.7	373.8	354.2	344.4	324.7	314.8	314.8
85°	78.7	98.4	88.6	123.0	211.5	221.3	221.3	211.5	206.6	196.8	201.6
87.5°	24.6	44.3	54.1	68.9	108.2	113.2	118.0	118.0	118.0	123.0	123.0
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



TEST NUMBER: P934997

CATALOG NUMBER: SQ4-FA-075U-125D-B35-1D-UNV-STD-W-12

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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CATALOG NUMBER: SQ4-FA-075U-125D-B35-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7
2.5°	5332.4	5317.7	5332.4	5322.6	5327.6	5312.7	5268.5	5253.7	5268.5	5283.3	5283.3
5°	5396.4	5386.6	5396.4	5396.4	5391.5	5381.6	5332.4	5322.6	5332.4	5337.3	5327.6
7.5°	5416.0	5401.3	5416.0	5406.2	5406.2	5396.4	5347.2	5337.3	5342.3	5357.0	5342.3
10°	5416.0	5401.3	5416.0	5411.2	5406.2	5396.4	5347.2	5327.6	5327.6	5342.3	5327.6
12.5°	5391.5	5381.6	5391.5	5381.6	5381.6	5371.7	5322.6	5302.9	5307.8	5312.7	5293.1
15°	5352.1	5337.3	5352.1	5342.3	5347.2	5332.4	5278.3	5258.7	5258.7	5268.5	5234.1
17.5°	5293.1	5273.4	5293.1	5288.1	5283.3	5273.4	5224.2	5204.5	5199.7	5204.5	5180.0
20°	5224.2	5209.4	5224.2	5219.3	5219.3	5199.7	5150.4	5125.8	5125.8	5125.8	5101.2
22.5°	5116.0	5101.2	5116.0	5125.8	5125.8	5120.9	5076.6	5042.2	5032.4	5032.4	5002.9
25°	4993.0	4978.2	4993.0	4993.0	4988.1	4993.0	4978.2	4958.6	4943.8	4929.1	4899.6
27.5°	4874.9	4865.2	4874.9	4865.2	4874.9	4860.2	4855.3	4850.3	4830.7	4815.9	4776.6
30°	4756.9	4747.0	4756.9	4747.0	4737.2	4727.4	4702.8	4693.0	4712.6	4702.8	4638.8
32.5°	4609.3	4599.5	4609.3	4609.3	4599.5	4599.5	4560.1	4545.4	4550.3	4579.8	4520.8
35°	4456.8	4442.1	4456.8	4451.9	4456.8	4442.1	4417.5	4412.5	4392.9	4427.3	4383.0
37.5°	4279.7	4265.0	4279.7	4279.7	4279.7	4289.6	4269.9	4255.2	4225.6	4269.9	4235.5
40°	4097.7	4078.0	4097.7	4092.8	4097.7	4107.6	4097.7	4087.9	4058.4	4092.8	4063.3
42.5°	3891.1	3886.2	3891.1	3896.1	3896.1	3915.7	3930.5	3910.8	3900.9	3876.4	3896.1
45°	3669.7	3659.9	3669.7	3679.6	3684.5	3694.3	3738.6	3738.6	3723.9	3684.5	3714.0
47.5°	3433.7	3409.0	3433.7	3463.1	3463.1	3477.9	3522.1	3556.6	3532.0	3482.8	3497.6
50°	3182.8	3187.6	3182.8	3202.4	3202.4	3256.5	3290.9	3325.4	3350.0	3290.9	3222.1
52.5°	2936.7	2931.9	2936.7	2951.6	2971.2	2995.8	3054.9	3089.3	3128.6	3094.2	2986.0
55°	2690.8	2700.7	2690.8	2695.8	2705.5	2720.4	2808.8	2843.3	2917.1	2872.8	2759.7
57.5°	2444.9	2430.1	2444.9	2454.7	2459.6	2474.3	2548.2	2612.1	2656.4	2661.3	2523.6
60°	2159.5	2139.8	2159.5	2203.8	2213.7	2223.5	2292.4	2351.4	2390.7	2405.5	2262.8
62.5°	1908.6	1874.2	1908.6	1938.2	1957.9	1982.5	2031.6	2120.2	2154.6	2159.5	1957.9
65°	1643.0	1628.3	1643.0	1702.0	1707.0	1736.4	1790.6	1854.6	1928.3	1918.5	1628.3
67.5°	1401.9	1401.9	1401.9	1441.3	1470.8	1485.6	1554.5	1584.0	1677.4	1687.3	1357.7
70°	1180.6	1175.7	1180.6	1210.1	1229.8	1264.3	1328.2	1362.6	1436.4	1461.0	1101.9
72.5°	969.1	964.2	969.1	993.7	1013.4	1042.8	1097.0	1136.3	1200.3	1229.8	855.9
75°	782.2	772.3	782.2	801.8	796.9	836.2	880.5	919.9	978.9	998.6	634.6
77.5°	600.1	600.1	600.1	619.9	619.9	659.2	678.9	728.0	762.5	792.0	467.3
80°	447.7	442.7	447.7	452.5	452.5	472.3	506.7	541.1	570.6	570.6	319.8
82.5°	314.8	304.9	314.8	314.8	314.8	324.7	344.4	354.2	373.8	388.7	201.6
85°	196.8	196.8	196.8	201.6	196.8	206.6	211.5	221.3	221.3	211.5	123.0
87.5°	127.9	123.0	127.9	123.0	123.0	118.0	118.0	118.0	113.2	108.2	68.9
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: P934997

CATALOG NUMBER: SQ4-FA-075U-125D-B35-1D-UNV-STD-W-12

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: P934997

CATALOG NUMBER: SQ4-FA-075U-125D-B35-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7
2.5°	5273.4	5243.9	5243.9	5194.7	5175.0	5160.3	5135.7	5061.9	5042.2	5022.5	5052.1
5°	5317.7	5263.6	5224.2	5135.7	5061.9	5032.4	4938.9	4761.8	4643.7	4555.2	4506.0
7.5°	5327.6	5258.7	5184.8	5047.1	4870.0	4791.3	4506.0	4181.3	4092.8	4014.1	3964.9
10°	5317.7	5239.0	5135.7	4929.1	4510.9	4373.2	4087.9	3876.4	3822.2	3807.5	3822.2
12.5°	5283.3	5209.4	5066.8	4722.4	4137.0	4043.6	3876.4	3753.3	3743.5	3768.2	3900.9
15°	5224.2	5155.4	4988.1	4446.9	3930.5	3861.6	3743.5	3699.3	3753.3	3925.5	4324.0
17.5°	5165.2	5086.5	4879.9	4176.4	3773.1	3723.9	3640.2	3728.8	4033.8	4265.0	4397.8
20°	5086.5	4993.0	4756.9	3979.7	3659.9	3615.6	3576.3	3974.7	4205.9	4289.6	4363.3
22.5°	4993.0	4894.6	4589.7	3841.9	3541.9	3507.4	3532.0	4112.4	4205.9	4265.0	4328.9
25°	4870.0	4786.4	4392.9	3733.7	3448.4	3409.0	3502.5	4097.7	4151.8	4166.6	4294.5
27.5°	4756.9	4648.7	4186.3	3635.3	3335.2	3320.5	3527.1	4033.8	4073.1	4087.9	4225.6
30°	4619.1	4456.8	3955.1	3532.0	3217.2	3212.2	3532.0	3955.1	3945.2	3984.5	4122.3
32.5°	4476.5	4171.5	3694.3	3404.1	3104.0	3099.2	3497.6	3836.9	3827.2	3881.2	3984.5
35°	4343.6	3950.1	3340.1	3256.5	2961.4	2966.3	3414.0	3699.3	3704.2	3753.3	3817.3
37.5°	4205.9	3758.3	2951.6	3094.2	2823.7	2823.7	3300.8	3571.3	3561.6	3576.3	3664.9
40°	4043.6	3458.2	2607.2	2882.7	2695.8	2680.9	3163.1	3433.7	3399.2	3394.3	3517.3
42.5°	3871.4	3128.6	2351.4	2602.2	2548.2	2528.5	2995.8	3266.4	3202.4	3217.2	3374.5
45°	3684.5	3040.0	2154.6	2198.9	2395.7	2380.9	2813.8	3074.5	3030.3	3069.6	3231.9
47.5°	3497.6	2863.0	2090.7	1825.0	2233.4	2228.4	2612.1	2887.6	2863.0	2902.3	3074.5
50°	3241.8	2666.2	2085.8	1564.4	2051.3	2070.9	2371.0	2705.5	2705.5	2740.0	2922.0
52.5°	2912.1	2425.2	1893.9	1416.8	1839.7	1898.9	2159.5	2548.2	2558.0	2592.5	2754.8
55°	2612.1	2174.3	1756.1	1303.6	1588.9	1716.8	1952.9	2385.8	2405.5	2439.9	2587.5
57.5°	2336.6	1810.3	1726.7	1170.7	1357.7	1480.7	1770.9	2228.4	2238.3	2267.8	2410.4
60°	2041.5	1308.5	1584.0	1028.1	1156.0	1249.5	1603.7	2041.5	2075.9	2095.6	2218.5
62.5°	1707.0	949.4	1436.4	929.8	1057.7	1077.3	1465.9	1864.4	1908.6	1923.4	1997.2
65°	1215.0	796.9	1220.0	846.1	954.4	959.2	1318.3	1682.4	1721.7	1746.3	1800.4
67.5°	821.5	649.3	929.8	767.4	875.6	880.5	1175.7	1470.8	1524.9	1544.7	1579.1
70°	570.6	432.9	688.7	683.7	787.1	796.9	1023.2	1279.0	1328.2	1342.9	1362.6
72.5°	418.1	349.2	570.6	614.9	693.6	703.5	865.8	1062.5	1111.7	1126.5	1136.3
75°	319.8	368.9	462.4	536.1	590.3	595.3	708.3	865.8	900.2	910.1	914.9
77.5°	255.8	344.4	339.4	432.9	482.1	472.3	555.9	669.0	698.6	698.6	698.6
80°	191.9	270.5	255.8	309.9	354.2	344.4	398.5	477.1	487.0	496.8	492.0
82.5°	142.6	172.2	172.2	196.8	236.1	226.3	265.6	309.9	309.9	309.9	319.8
85°	88.6	98.4	78.7	103.3	132.8	127.9	147.6	167.2	172.2	172.2	162.3
87.5°	54.1	44.3	24.6	39.3	59.0	59.0	68.9	73.7	68.9	68.9	68.9
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: P934997

CATALOG NUMBER: SQ4-FA-075U-125D-B35-1D-UNV-STD-W-12

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: P934997
 CATALOG NUMBER: SQ4-FA-075U-125D-B35-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7
2.5°	5017.6	5002.9	5022.5	4968.5	5022.5	5002.9	5017.6	5052.1	5022.5	5042.2	5061.9
5°	4402.7	4378.1	4299.4	4235.5	4299.4	4378.1	4402.7	4506.0	4555.2	4643.7	4761.8
7.5°	3935.4	3915.7	3896.1	3856.7	3896.1	3915.7	3935.4	3964.9	4014.1	4092.8	4181.3
10°	3832.1	3836.9	3866.5	3861.6	3866.5	3836.9	3832.1	3822.2	3807.5	3822.2	3876.4
12.5°	4097.7	4142.0	4304.3	4294.5	4304.3	4142.0	4097.7	3900.9	3768.2	3743.5	3753.3
15°	4402.7	4417.5	4451.9	4456.8	4451.9	4417.5	4402.7	4324.0	3925.5	3753.3	3699.3
17.5°	4432.2	4437.1	4461.8	4461.8	4461.8	4437.1	4432.2	4397.8	4265.0	4033.8	3728.8
20°	4407.6	4417.5	4466.7	4476.5	4466.7	4417.5	4407.6	4363.3	4289.6	4205.9	3974.7
22.5°	4397.8	4417.5	4456.8	4451.9	4456.8	4417.5	4397.8	4328.9	4265.0	4205.9	4112.4
25°	4348.6	4348.6	4353.5	4358.5	4353.5	4348.6	4348.6	4294.5	4166.6	4151.8	4097.7
27.5°	4245.3	4255.2	4284.6	4279.7	4284.6	4255.2	4245.3	4225.6	4087.9	4073.1	4033.8
30°	4151.8	4142.0	4117.4	4097.7	4117.4	4142.0	4151.8	4122.3	3984.5	3945.2	3955.1
32.5°	3994.4	3969.8	3945.2	3930.5	3945.2	3969.8	3994.4	3984.5	3881.2	3827.2	3836.9
35°	3807.5	3812.4	3807.5	3792.8	3807.5	3812.4	3807.5	3817.3	3753.3	3704.2	3699.3
37.5°	3674.6	3684.5	3679.6	3659.9	3679.6	3684.5	3674.6	3664.9	3576.3	3561.6	3571.3
40°	3536.9	3541.9	3536.9	3522.1	3536.9	3541.9	3536.9	3517.3	3394.3	3399.2	3433.7
42.5°	3404.1	3399.2	3384.4	3374.5	3384.4	3399.2	3404.1	3374.5	3217.2	3202.4	3266.4
45°	3251.6	3256.5	3227.0	3212.2	3227.0	3256.5	3251.6	3231.9	3069.6	3030.3	3074.5
47.5°	3099.2	3099.2	3074.5	3059.7	3074.5	3099.2	3099.2	3074.5	2902.3	2863.0	2887.6
50°	2936.7	2931.9	2897.4	2892.5	2897.4	2931.9	2936.7	2922.0	2740.0	2705.5	2705.5
52.5°	2749.8	2749.8	2754.8	2764.6	2754.8	2749.8	2749.8	2754.8	2592.5	2558.0	2548.2
55°	2587.5	2592.5	2626.9	2636.7	2626.9	2592.5	2587.5	2587.5	2439.9	2405.5	2385.8
57.5°	2420.3	2420.3	2444.9	2444.9	2444.9	2420.3	2420.3	2410.4	2267.8	2238.3	2228.4
60°	2228.4	2238.3	2258.0	2253.0	2258.0	2238.3	2228.4	2218.5	2095.6	2075.9	2041.5
62.5°	2026.8	2036.5	2041.5	2031.6	2041.5	2036.5	2026.8	1997.2	1923.4	1908.6	1864.4
65°	1815.2	1825.0	1830.0	1820.1	1830.0	1825.0	1815.2	1800.4	1746.3	1721.7	1682.4
67.5°	1598.8	1593.8	1588.9	1608.5	1588.9	1593.8	1598.8	1579.1	1544.7	1524.9	1470.8
70°	1377.3	1377.3	1372.5	1382.3	1372.5	1377.3	1377.3	1362.6	1342.9	1328.2	1279.0
72.5°	1141.3	1136.3	1156.0	1141.3	1156.0	1136.3	1141.3	1136.3	1126.5	1111.7	1062.5
75°	910.1	919.9	910.1	924.8	910.1	919.9	910.1	914.9	910.1	900.2	865.8
77.5°	693.6	703.5	693.6	693.6	693.6	703.5	693.6	698.6	698.6	698.6	669.0
80°	492.0	487.0	487.0	482.1	487.0	487.0	492.0	492.0	496.8	487.0	477.1
82.5°	314.8	309.9	309.9	319.8	309.9	309.9	314.8	319.8	309.9	309.9	309.9
85°	172.2	177.1	167.2	167.2	167.2	177.1	172.2	162.3	172.2	172.2	167.2
87.5°	64.0	59.0	59.0	59.0	59.0	59.0	64.0	68.9	68.9	68.9	73.7
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



TEST NUMBER: P934997

CATALOG NUMBER: SQ4-FA-075U-125D-B35-1D-UNV-STD-W-12

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: P934997

CATALOG NUMBER: SQ4-FA-075U-125D-B35-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5199.7	5199.7	5199.7	5199.7	5199.7
2.5°	5135.7	5160.3	5175.0	5194.7	5243.9
5°	4938.9	5032.4	5061.9	5135.7	5224.2
7.5°	4506.0	4791.3	4870.0	5047.1	5184.8
10°	4087.9	4373.2	4510.9	4929.1	5135.7
12.5°	3876.4	4043.6	4137.0	4722.4	5066.8
15°	3743.5	3861.6	3930.5	4446.9	4988.1
17.5°	3640.2	3723.9	3773.1	4176.4	4879.9
20°	3576.3	3615.6	3659.9	3979.7	4756.9
22.5°	3532.0	3507.4	3541.9	3841.9	4589.7
25°	3502.5	3409.0	3448.4	3733.7	4392.9
27.5°	3527.1	3320.5	3335.2	3635.3	4186.3
30°	3532.0	3212.2	3217.2	3532.0	3955.1
32.5°	3497.6	3099.2	3104.0	3404.1	3694.3
35°	3414.0	2966.3	2961.4	3256.5	3340.1
37.5°	3300.8	2823.7	2823.7	3094.2	2951.6
40°	3163.1	2680.9	2695.8	2882.7	2607.2
42.5°	2995.8	2528.5	2548.2	2602.2	2351.4
45°	2813.8	2380.9	2395.7	2198.9	2154.6
47.5°	2612.1	2228.4	2233.4	1825.0	2090.7
50°	2371.0	2070.9	2051.3	1564.4	2085.8
52.5°	2159.5	1898.9	1839.7	1416.8	1893.9
55°	1952.9	1716.8	1588.9	1303.6	1756.1
57.5°	1770.9	1480.7	1357.7	1170.7	1726.7
60°	1603.7	1249.5	1156.0	1028.1	1584.0
62.5°	1465.9	1077.3	1057.7	929.8	1436.4
65°	1318.3	959.2	954.4	846.1	1220.0
67.5°	1175.7	880.5	875.6	767.4	929.8
70°	1023.2	796.9	787.1	683.7	688.7
72.5°	865.8	703.5	693.6	614.9	570.6
75°	708.3	595.3	590.3	536.1	462.4
77.5°	555.9	472.3	482.1	432.9	339.4
80°	398.5	344.4	354.2	309.9	255.8
82.5°	265.6	226.3	236.1	196.8	172.2
85°	147.6	127.9	132.8	103.3	78.7
87.5°	68.9	59.0	59.0	39.3	24.6
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: P934997

CATALOG NUMBER: SQ4-FA-075U-125D-B35-1D-UNV-STD-W-12

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: P934997
 CATALOG NUMBER: SQ4-FA-075U-125D-B35-1D-UNV-STD-W-12

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	15.40	16.37	16.26	17.25	18.36	18.25	19.22	19.11	20.10	21.21
	3H	15.89	16.75	16.76	17.64	18.78	19.61	20.48	20.48	21.37	22.51
	4H	16.08	16.90	16.97	17.80	18.94	20.07	20.89	20.95	21.78	22.93
	6H	16.21	16.96	17.11	17.87	19.02	20.36	21.12	21.26	22.02	23.18
	8H	16.21	16.93	17.12	17.85	19.01	20.44	21.16	21.35	22.08	23.24
	12H	16.19	16.87	17.10	17.79	18.97	20.49	21.17	21.40	22.09	23.27
4H	2H	16.45	17.27	17.34	18.17	19.31	18.67	19.49	19.57	20.39	21.53
	3H	17.49	18.17	18.39	19.10	20.26	20.20	20.88	21.10	21.81	22.97
	4H	17.77	18.39	18.68	19.32	20.50	20.73	21.36	21.65	22.28	23.47
	6H	17.90	18.44	18.83	19.39	20.57	21.11	21.65	22.04	22.59	23.78
	8H	17.91	18.41	18.84	19.35	20.55	21.22	21.72	22.15	22.67	23.87
	12H	17.88	18.33	18.83	19.29	20.50	21.29	21.74	22.24	22.70	23.91
8H	4H	18.24	18.74	19.17	19.68	20.88	20.87	21.37	21.80	22.31	23.51
	6H	18.50	18.92	19.46	19.90	21.10	21.31	21.73	22.27	22.71	23.91
	8H	18.54	18.91	19.51	19.89	21.10	21.47	21.84	22.44	22.81	24.03
	12H	18.53	18.86	19.50	19.82	21.09	21.58	21.90	22.55	22.87	24.13
12H	4H	18.25	18.70	19.20	19.66	20.87	20.84	21.29	21.79	22.25	23.45
	6H	18.56	18.93	19.53	19.90	21.12	21.31	21.68	22.28	22.65	23.87
	8H	18.64	18.96	19.61	19.93	21.19	21.48	21.80	22.45	22.77	24.04