

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: P934909

Luminaire Tested: SQ4-FA-075U-125D-830-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934909
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-830-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

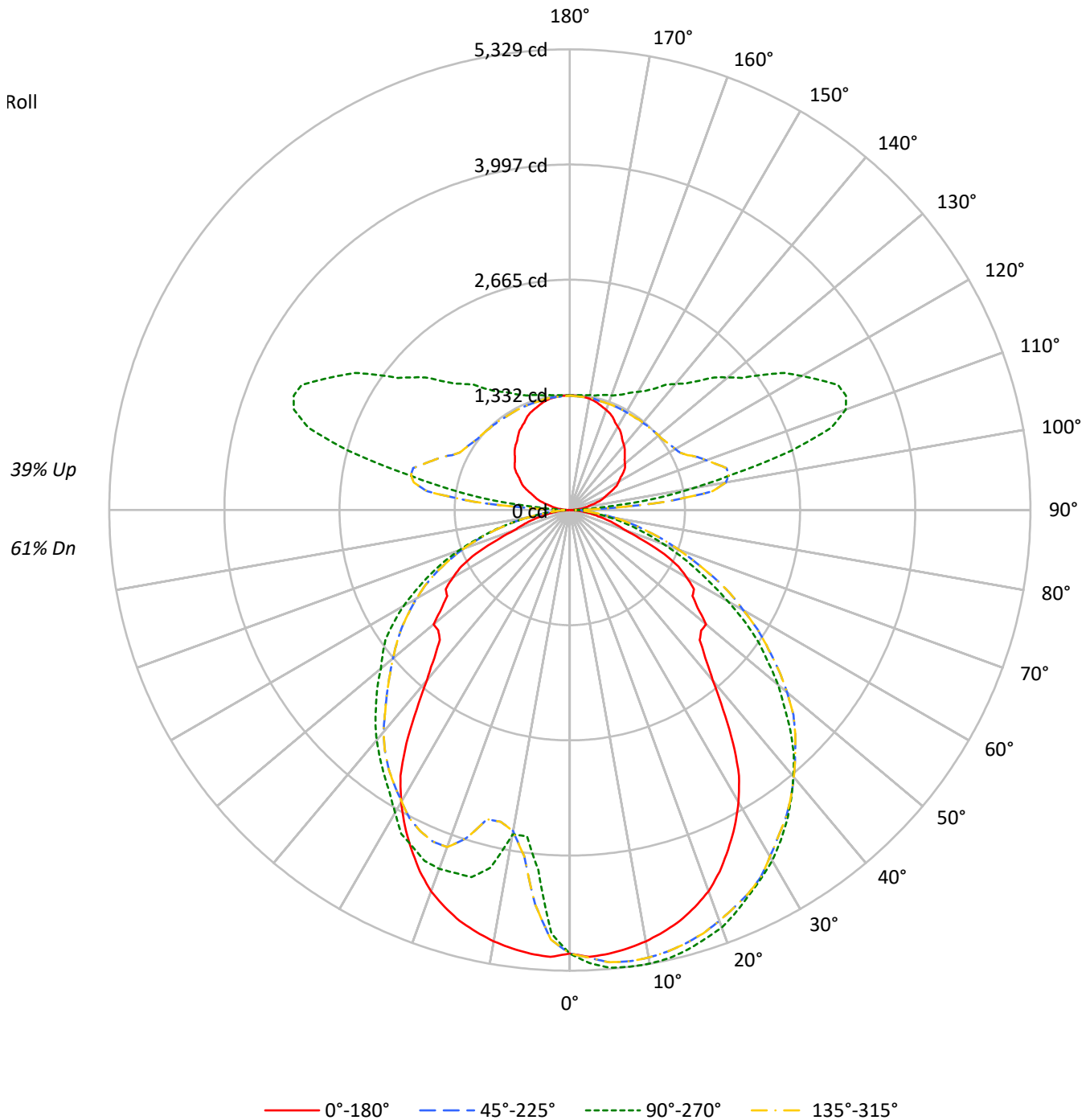
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21893.4 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 186
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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°	15867	15867	15867	15867
5°	15991	16017	15991	12594
10°	15890	15777	15890	11280
15°	15724	15436	15724	12889
20°	15401	15031	15401	12916
25°	14734	14440	14734	12642
30°	13870	13950	13870	12042
35°	12371	13330	12371	11381
40°	10314	12599	10314	10882
45°	9222	11745	9222	10308
50°	9805	10726	9805	9732
55°	9233	9627	9233	9399
60°	9530	8176	9530	8609
65°	8654	6759	8654	7555
70°	6007	5386	6007	6333
75°	5287	3981	5287	4768
80°	4293	2632	4293	2866
85°	2514	1395	2514	1185

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14125 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	463.1	2.1
10°-20°	1314.8	6.0
20°-30°	2032.4	9.3
30°-40°	2426.2	11.1
40°-50°	2440.5	11.1
50°-60°	2123.5	9.7
60°-70°	1505.6	6.9
70°-80°	796.5	3.6
80°-90°	203.4	0.9
90°-100°	645.7	2.9
100°-110°	1697.7	7.8
110°-120°	1760.3	8.0
120°-130°	1411.9	6.4
130°-140°	1107.9	5.1
140°-150°	850.3	3.9
150°-160°	612.4	2.8
160°-170°	374.7	1.7
170°-180°	126.6	0.6
0°-30°	3810.2	17.4
0°-40°	6236.4	28.5
0°-60°	10800.3	49.3
0°-90°	13305.9	60.8
90°-120°	4103.6	18.7
90°-150°	7473.8	34.1
90°-180°	8587.0	39.2
0°-180°	21893.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5130	5130	5130	5130	5130	
5°	5154	5314	5154	4179	5154	489
15°	4921	5266	4921	4397	4921	1385
25°	4334	4911	4334	4300	4334	1990
35°	3295	4382	3295	3742	3295	2039
45°	2126	3611	2126	3169	2126	1703
55°	1733	2664	1733	2601	1733	1592
65°	1204	1606	1204	1796	1204	1150
75°	456	762	456	912	456	480
85°	78	194	78	165	78	105
90°	9	34	9	34	9	11
95°	85	390	85	390	85	95
105°	306	2658	306	2658	306	324
115°	543	3423	543	3423	543	537
125°	756	2726	756	2726	756	671
135°	901	2115	901	2115	901	697
145°	1045	1716	1045	1716	1045	654
155°	1181	1478	1181	1478	1181	542
165°	1274	1376	1274	1376	1274	360
175°	1325	1334	1325	1334	1325	126
180°	1325	1325	1325	1325	1325	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9
2.5°	5173.6	5173.6	5202.6	5212.4	5212.4	5197.8	5183.2	5197.8	5241.5	5256.1	5251.2
5°	5154.1	5193.0	5246.3	5256.1	5265.7	5260.9	5251.2	5260.9	5309.4	5319.2	5324.0
7.5°	5115.3	5188.1	5256.1	5270.6	5285.2	5270.6	5265.7	5275.5	5324.0	5333.7	5333.7
10°	5066.8	5168.7	5246.3	5256.1	5270.6	5256.1	5256.1	5275.5	5324.0	5333.7	5338.6
12.5°	4998.8	5139.6	5212.4	5222.1	5241.5	5236.6	5231.8	5251.2	5299.7	5309.4	5309.4
15°	4921.2	5086.2	5154.1	5163.8	5197.8	5188.1	5188.1	5207.5	5260.9	5275.5	5270.6
17.5°	4814.4	5018.2	5095.9	5110.5	5134.7	5129.9	5134.7	5154.1	5202.6	5212.4	5217.2
20°	4693.1	4926.0	5018.2	5032.8	5057.0	5057.0	5057.0	5081.3	5129.9	5149.3	5149.3
22.5°	4528.1	4828.9	4926.0	4935.7	4964.9	4964.9	4974.5	5008.5	5052.2	5057.0	5057.0
25°	4333.9	4722.2	4804.7	4833.8	4863.0	4877.5	4892.0	4911.4	4926.0	4921.2	4926.0
27.5°	4130.1	4586.3	4693.1	4712.5	4751.3	4765.9	4785.3	4790.1	4795.0	4809.5	4799.9
30°	3902.0	4397.0	4557.2	4576.6	4639.7	4649.4	4630.0	4639.7	4663.9	4673.7	4683.3
32.5°	3644.8	4115.6	4416.4	4460.1	4518.3	4489.3	4484.4	4498.9	4537.7	4537.7	4547.5
35°	3295.3	3897.1	4285.4	4324.2	4367.9	4333.9	4353.3	4358.2	4382.5	4397.0	4392.2
37.5°	2912.0	3707.8	4149.5	4178.7	4212.6	4168.9	4198.1	4212.6	4232.0	4222.3	4222.3
40°	2572.2	3411.8	3989.4	4008.8	4037.9	4003.9	4033.1	4042.7	4052.5	4042.7	4037.9
42.5°	2319.8	3086.6	3819.5	3843.8	3824.4	3848.6	3858.3	3877.7	3863.2	3843.8	3843.8
45°	2125.7	2999.3	3635.1	3664.2	3635.1	3673.9	3688.4	3688.4	3644.8	3635.1	3630.2
47.5°	2062.7	2824.6	3450.7	3450.7	3436.1	3484.6	3508.9	3474.9	3431.3	3416.6	3416.6
50°	2057.8	2630.4	3198.3	3178.9	3246.8	3305.1	3280.8	3246.8	3212.8	3159.5	3159.5
52.5°	1868.5	2392.7	2873.1	2945.9	3052.7	3086.6	3047.8	3013.9	2955.6	2931.4	2912.0
55°	1732.6	2145.2	2577.1	2722.7	2834.3	2877.9	2805.2	2771.2	2683.9	2669.2	2659.6
57.5°	1703.5	1786.0	2305.3	2489.7	2625.6	2620.8	2577.1	2514.0	2441.1	2426.6	2421.7
60°	1562.8	1291.0	2014.1	2232.5	2373.3	2358.6	2319.8	2261.6	2193.6	2184.0	2174.2
62.5°	1417.2	936.7	1684.1	1931.6	2130.5	2125.7	2091.7	2004.3	1955.9	1931.6	1912.2
65°	1203.6	786.2	1198.7	1606.5	1892.8	1902.4	1829.7	1766.6	1713.2	1684.1	1679.2
67.5°	917.3	640.6	810.5	1339.5	1664.7	1654.9	1562.8	1533.6	1465.6	1451.1	1422.0
70°	679.4	427.0	563.0	1087.2	1441.4	1417.2	1344.3	1310.4	1247.3	1213.3	1193.9
72.5°	563.0	344.5	412.5	844.4	1213.3	1184.2	1121.1	1082.3	1028.8	999.8	980.4
75°	456.2	363.9	315.5	626.1	985.2	965.8	907.5	868.7	825.0	786.2	791.1
77.5°	334.9	339.8	252.4	461.1	781.3	752.3	718.2	669.8	650.4	611.6	611.6
80°	252.4	266.9	189.3	315.5	563.0	563.0	533.8	499.9	466.0	446.5	446.5
82.5°	169.9	169.9	140.7	198.9	383.5	368.8	349.4	339.8	320.4	310.6	310.6
85°	77.6	97.0	87.4	121.3	208.7	218.4	218.4	208.7	203.8	194.2	198.9
87.5°	24.3	43.7	53.3	68.0	106.8	111.7	116.4	116.4	116.4	121.3	121.3
90°	8.9	16.0	23.0	24.9	39.1	58.1	67.6	60.0	45.0	33.7	33.7
92.5°	35.6	96.0	156.5	171.6	241.2	334.0	380.5	333.5	239.5	168.9	162.2
95°	85.4	196.0	306.7	334.3	593.6	939.4	1112.2	992.5	753.0	573.4	553.0
97.5°	147.6	245.2	342.8	367.2	799.6	1376.1	1664.3	1588.6	1437.3	1323.8	1285.1
100°	195.6	284.1	372.6	394.7	874.5	1514.2	1834.1	1839.6	1850.7	1859.0	1812.9
102.5°	236.5	319.1	401.6	422.3	908.9	1557.7	1882.2	1978.5	2171.4	2316.0	2276.5
105°	305.8	375.8	445.7	463.2	934.4	1562.7	1876.8	2093.0	2525.3	2849.5	2828.2
107.5°	377.0	442.2	507.3	523.7	939.2	1493.2	1770.1	2071.7	2674.6	3126.8	3132.0
110°	424.9	483.8	542.7	557.4	932.0	1431.5	1681.2	2018.3	2692.4	3197.9	3220.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	472.1	528.2	584.3	598.4	932.4	1377.7	1600.3	1945.3	2635.2	3152.6	3186.5
115°	543.2	594.9	646.7	659.6	940.9	1315.9	1503.4	1835.7	2500.3	2998.8	3045.9
117.5°	613.5	660.5	707.4	719.2	958.4	1277.2	1436.7	1736.6	2336.4	2786.3	2838.6
120°	654.4	698.6	742.8	753.9	972.6	1264.2	1410.0	1684.0	2232.1	2643.1	2693.9
122.5°	694.3	739.0	783.6	794.8	993.1	1257.4	1389.5	1636.3	2129.9	2500.0	2550.1
125°	755.7	796.4	837.2	847.3	1020.6	1251.8	1367.4	1577.0	1996.2	2310.7	2356.8
127.5°	805.5	846.6	887.7	898.0	1048.3	1248.5	1348.7	1528.7	1888.7	2158.6	2197.6
130°	832.2	876.5	920.6	931.7	1068.3	1250.4	1341.6	1501.8	1822.2	2062.6	2098.5
132.5°	859.7	904.0	948.2	959.3	1084.6	1251.8	1335.3	1478.7	1765.6	1980.8	2013.0
135°	900.6	940.9	981.2	991.3	1102.5	1250.6	1324.7	1444.8	1685.0	1865.3	1893.0
137.5°	942.4	982.3	1022.3	1032.2	1129.1	1258.3	1322.9	1424.4	1627.6	1779.9	1802.6
140°	977.0	1013.7	1050.5	1059.7	1145.4	1259.6	1316.7	1404.5	1579.9	1711.4	1732.7
142.5°	1003.7	1037.7	1071.7	1080.2	1159.1	1264.1	1316.7	1393.8	1547.9	1663.4	1681.7
145°	1044.6	1074.3	1103.9	1111.4	1176.8	1264.1	1307.8	1370.8	1496.9	1591.5	1605.3
147.5°	1085.5	1114.4	1143.3	1150.5	1202.9	1272.8	1307.8	1357.4	1456.6	1530.9	1542.4
150°	1112.2	1138.3	1164.4	1170.9	1216.5	1277.4	1307.8	1349.7	1433.4	1496.2	1505.5
152.5°	1139.7	1159.5	1179.2	1184.2	1225.4	1280.4	1307.8	1343.6	1415.1	1468.7	1475.7
155°	1180.7	1195.3	1209.9	1213.5	1245.0	1286.9	1307.8	1336.3	1393.2	1435.8	1440.5
157.5°	1210.9	1225.1	1239.4	1242.9	1264.5	1293.4	1307.8	1329.9	1374.2	1407.3	1410.6
160°	1231.3	1242.4	1253.5	1256.3	1273.5	1296.3	1307.8	1326.7	1364.7	1393.2	1395.1
162.5°	1251.8	1260.1	1268.3	1270.4	1282.9	1299.5	1307.8	1323.8	1355.8	1379.8	1381.6
165°	1274.1	1281.5	1289.0	1290.9	1296.5	1304.1	1307.8	1319.3	1342.1	1359.3	1361.2
167.5°	1294.4	1298.0	1301.6	1302.5	1307.2	1313.5	1316.7	1324.2	1339.2	1350.4	1351.2
170°	1307.8	1311.3	1315.0	1315.8	1316.1	1316.5	1316.7	1324.2	1339.2	1350.4	1350.4
172.5°	1314.9	1315.6	1316.5	1316.7	1316.7	1316.7	1316.7	1322.6	1334.5	1343.4	1342.7
175°	1324.7	1324.7	1324.7	1324.7	1322.1	1318.5	1316.7	1320.4	1328.0	1333.6	1333.6
177.5°	1324.7	1324.7	1324.7	1324.7	1322.6	1319.9	1318.5	1321.5	1327.4	1331.8	1331.0
180°	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9
2.5°	5260.9	5246.3	5260.9	5251.2	5256.1	5241.5	5197.8	5183.2	5197.8	5212.4	5212.4
5°	5324.0	5314.3	5324.0	5324.0	5319.2	5309.4	5260.9	5251.2	5260.9	5265.7	5256.1
7.5°	5343.4	5328.8	5343.4	5333.7	5333.7	5324.0	5275.5	5265.7	5270.6	5285.2	5270.6
10°	5343.4	5328.8	5343.4	5338.6	5333.7	5324.0	5275.5	5256.1	5256.1	5270.6	5256.1
12.5°	5319.2	5309.4	5319.2	5309.4	5309.4	5299.7	5251.2	5231.8	5236.6	5241.5	5222.1
15°	5280.3	5265.7	5280.3	5270.6	5275.5	5260.9	5207.5	5188.1	5188.1	5197.8	5163.8
17.5°	5222.1	5202.6	5222.1	5217.2	5212.4	5202.6	5154.1	5134.7	5129.9	5134.7	5110.5
20°	5154.1	5139.6	5154.1	5149.3	5149.3	5129.9	5081.3	5057.0	5057.0	5057.0	5032.8
22.5°	5047.4	5032.8	5047.4	5057.0	5057.0	5052.2	5008.5	4974.5	4964.9	4964.9	4935.7
25°	4926.0	4911.4	4926.0	4926.0	4921.2	4926.0	4911.4	4892.0	4877.5	4863.0	4833.8
27.5°	4809.5	4799.9	4809.5	4799.9	4809.5	4795.0	4790.1	4785.3	4765.9	4751.3	4712.5
30°	4693.1	4683.3	4693.1	4683.3	4673.7	4663.9	4639.7	4630.0	4649.4	4639.7	4576.6
32.5°	4547.5	4537.7	4547.5	4547.5	4537.7	4537.7	4498.9	4484.4	4489.3	4518.3	4460.1
35°	4397.0	4382.5	4397.0	4392.2	4397.0	4382.5	4358.2	4353.3	4333.9	4367.9	4324.2
37.5°	4222.3	4207.7	4222.3	4222.3	4222.3	4232.0	4212.6	4198.1	4168.9	4212.6	4178.7
40°	4042.7	4023.3	4042.7	4037.9	4042.7	4052.5	4042.7	4033.1	4003.9	4037.9	4008.8
42.5°	3838.9	3834.0	3838.9	3843.8	3843.8	3863.2	3877.7	3858.3	3848.6	3824.4	3843.8
45°	3620.5	3610.8	3620.5	3630.2	3635.1	3644.8	3688.4	3688.4	3673.9	3635.1	3664.2
47.5°	3387.6	3363.3	3387.6	3416.6	3416.6	3431.3	3474.9	3508.9	3484.6	3436.1	3450.7
50°	3140.1	3144.9	3140.1	3159.5	3159.5	3212.8	3246.8	3280.8	3305.1	3246.8	3178.9
52.5°	2897.3	2892.6	2897.3	2912.0	2931.4	2955.6	3013.9	3047.8	3086.6	3052.7	2945.9
55°	2654.7	2664.5	2654.7	2659.6	2669.2	2683.9	2771.2	2805.2	2877.9	2834.3	2722.7
57.5°	2412.1	2397.5	2412.1	2421.7	2426.6	2441.1	2514.0	2577.1	2620.8	2625.6	2489.7
60°	2130.5	2111.1	2130.5	2174.2	2184.0	2193.6	2261.6	2319.8	2358.6	2373.3	2232.5
62.5°	1883.0	1849.1	1883.0	1912.2	1931.6	1955.9	2004.3	2091.7	2125.7	2130.5	1931.6
65°	1621.0	1606.5	1621.0	1679.2	1684.1	1713.2	1766.6	1829.7	1902.4	1892.8	1606.5
67.5°	1383.1	1383.1	1383.1	1422.0	1451.1	1465.6	1533.6	1562.8	1654.9	1664.7	1339.5
70°	1164.8	1159.9	1164.8	1193.9	1213.3	1247.3	1310.4	1344.3	1417.2	1441.4	1087.2
72.5°	956.1	951.2	956.1	980.4	999.8	1028.8	1082.3	1121.1	1184.2	1213.3	844.4
75°	771.7	761.9	771.7	791.1	786.2	825.0	868.7	907.5	965.8	985.2	626.1
77.5°	592.1	592.1	592.1	611.6	611.6	650.4	669.8	718.2	752.3	781.3	461.1
80°	441.7	436.8	441.7	446.5	446.5	466.0	499.9	533.8	563.0	563.0	315.5
82.5°	310.6	300.9	310.6	310.6	310.6	320.4	339.8	349.4	368.8	383.5	198.9
85°	194.2	194.2	194.2	198.9	194.2	203.8	208.7	218.4	218.4	208.7	121.3
87.5°	126.2	121.3	126.2	121.3	121.3	116.4	116.4	116.4	111.7	106.8	68.0
90°	33.7	33.7	33.7	33.7	33.7	45.0	60.0	67.6	58.1	39.1	24.9
92.5°	135.4	108.5	135.4	162.2	168.9	239.5	333.5	380.5	334.0	241.2	171.6
95°	471.7	390.3	471.7	553.0	573.4	753.0	992.5	1112.2	939.4	593.6	334.3
97.5°	1130.2	975.3	1130.2	1285.1	1323.8	1437.3	1588.6	1664.3	1376.1	799.6	367.2
100°	1628.4	1443.8	1628.4	1812.9	1859.0	1850.7	1839.6	1834.1	1514.2	874.5	394.7
102.5°	2118.4	1960.4	2118.4	2276.5	2316.0	2171.4	1978.5	1882.2	1557.7	908.9	422.3
105°	2743.2	2658.3	2743.2	2828.2	2849.5	2525.3	2093.0	1876.8	1562.7	934.4	463.2
107.5°	3152.5	3173.1	3152.5	3132.0	3126.8	2674.6	2071.7	1770.1	1493.2	939.2	523.7
110°	3308.5	3397.1	3308.5	3220.0	3197.9	2692.4	2018.3	1681.2	1431.5	932.0	557.4



TEST NUMBER: P934909

CATALOG NUMBER: SQ4-FA-075U-125D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3322.5	3458.4	3322.5	3186.5	3152.6	2635.2	1945.3	1600.3	1377.7	932.4	598.4
115°	3234.3	3422.9	3234.3	3045.9	2998.8	2500.3	1835.7	1503.4	1315.9	940.9	659.6
117.5°	3047.5	3256.6	3047.5	2838.6	2786.3	2336.4	1736.6	1436.7	1277.2	958.4	719.2
120°	2897.1	3100.1	2897.1	2693.9	2643.1	2232.1	1684.0	1410.0	1264.2	972.6	753.9
122.5°	2750.4	2950.8	2750.4	2550.1	2500.0	2129.9	1636.3	1389.5	1257.4	993.1	794.8
125°	2541.3	2725.8	2541.3	2356.8	2310.7	1996.2	1577.0	1367.4	1251.8	1020.6	847.3
127.5°	2353.3	2508.9	2353.3	2197.6	2158.6	1888.7	1528.7	1348.7	1248.5	1048.3	898.0
130°	2242.4	2386.3	2242.4	2098.5	2062.6	1822.2	1501.8	1341.6	1250.4	1068.3	931.7
132.5°	2141.8	2270.7	2141.8	2013.0	1980.8	1765.6	1478.7	1335.3	1251.8	1084.6	959.3
135°	2004.1	2115.1	2004.1	1893.0	1865.3	1685.0	1444.8	1324.7	1250.6	1102.5	991.3
137.5°	1893.5	1984.4	1893.5	1802.6	1779.9	1627.6	1424.4	1322.9	1258.3	1129.1	1032.2
140°	1817.6	1902.5	1817.6	1732.7	1711.4	1579.9	1404.5	1316.7	1259.6	1145.4	1059.7
142.5°	1754.8	1827.9	1754.8	1681.7	1663.4	1547.9	1393.8	1316.7	1264.1	1159.1	1080.2
145°	1660.6	1715.8	1660.6	1605.3	1591.5	1496.9	1370.8	1307.8	1264.1	1176.8	1111.4
147.5°	1588.2	1634.1	1588.2	1542.4	1530.9	1456.6	1357.4	1307.8	1272.8	1202.9	1150.5
150°	1542.7	1579.9	1542.7	1505.5	1496.2	1433.4	1349.7	1307.8	1277.4	1216.5	1170.9
152.5°	1503.8	1531.8	1503.8	1475.7	1468.7	1415.1	1343.6	1307.8	1280.4	1225.4	1184.2
155°	1459.0	1477.6	1459.0	1440.5	1435.8	1393.2	1336.3	1307.8	1286.9	1245.0	1213.5
157.5°	1423.7	1436.7	1423.7	1410.6	1407.3	1374.2	1329.9	1307.8	1293.4	1264.5	1242.9
160°	1402.5	1410.0	1402.5	1395.1	1393.2	1364.7	1326.7	1307.8	1296.3	1273.5	1256.3
162.5°	1388.7	1395.9	1388.7	1381.6	1379.8	1355.8	1323.8	1307.8	1299.5	1282.9	1270.4
165°	1368.7	1376.3	1368.7	1361.2	1359.3	1342.1	1319.3	1307.8	1304.1	1296.5	1290.9
167.5°	1354.5	1357.6	1354.5	1351.2	1350.4	1339.2	1324.2	1316.7	1313.5	1307.2	1302.5
170°	1350.4	1350.4	1350.4	1350.4	1350.4	1339.2	1324.2	1316.7	1316.5	1316.1	1315.8
172.5°	1339.9	1337.2	1339.9	1342.7	1343.4	1334.5	1322.6	1316.7	1316.7	1316.7	1316.7
175°	1333.6	1333.6	1333.6	1333.6	1333.6	1328.0	1320.4	1316.7	1318.5	1322.1	1324.7
177.5°	1327.9	1324.7	1327.9	1331.0	1331.8	1327.4	1321.5	1318.5	1319.9	1322.6	1324.7
180°	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7



TEST NUMBER: P934909

CATALOG NUMBER: SQ4-FA-075U-125D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9
2.5°	5202.6	5173.6	5173.6	5125.0	5105.6	5091.1	5066.8	4994.0	4974.5	4955.1	4984.3
5°	5246.3	5193.0	5154.1	5066.8	4994.0	4964.9	4872.6	4697.9	4581.4	4494.1	4445.6
7.5°	5256.1	5188.1	5115.3	4979.4	4804.7	4727.0	4445.6	4125.2	4037.9	3960.2	3911.7
10°	5246.3	5168.7	5066.8	4863.0	4450.4	4314.5	4033.1	3824.4	3770.9	3756.4	3770.9
12.5°	5212.4	5139.6	4998.8	4659.1	4081.5	3989.4	3824.4	3703.0	3693.3	3717.6	3848.6
15°	5154.1	5086.2	4921.2	4387.3	3877.7	3809.8	3693.3	3649.6	3703.0	3872.9	4266.0
17.5°	5095.9	5018.2	4814.4	4120.4	3722.5	3673.9	3591.4	3678.8	3979.6	4207.7	4338.8
20°	5018.2	4926.0	4693.1	3926.3	3610.8	3567.1	3528.3	3921.4	4149.5	4232.0	4304.8
22.5°	4926.0	4828.9	4528.1	3790.3	3494.4	3460.3	3484.6	4057.3	4149.5	4207.7	4270.8
25°	4804.7	4722.2	4333.9	3683.6	3402.1	3363.3	3455.5	4042.7	4096.1	4110.7	4236.9
27.5°	4693.1	4586.3	4130.1	3586.5	3290.5	3275.9	3479.7	3979.6	4018.5	4033.1	4168.9
30°	4557.2	4397.0	3902.0	3484.6	3174.0	3169.1	3484.6	3902.0	3892.3	3931.1	4067.0
32.5°	4416.4	4115.6	3644.8	3358.4	3062.4	3057.6	3450.7	3785.5	3775.8	3829.2	3931.1
35°	4285.4	3897.1	3295.3	3212.8	2921.6	2926.5	3368.2	3649.6	3654.5	3703.0	3766.1
37.5°	4149.5	3707.8	2912.0	3052.7	2785.8	2785.8	3256.5	3523.4	3513.8	3528.3	3615.7
40°	3989.4	3411.8	2572.2	2844.0	2659.6	2645.0	3120.7	3387.6	3353.6	3348.8	3470.1
42.5°	3819.5	3086.6	2319.8	2567.3	2514.0	2494.6	2955.6	3222.6	3159.5	3174.0	3329.3
45°	3635.1	2999.3	2125.7	2169.4	2363.5	2349.0	2776.0	3033.3	2989.6	3028.4	3188.5
47.5°	3450.7	2824.6	2062.7	1800.5	2203.4	2198.5	2577.1	2848.9	2824.6	2863.4	3033.3
50°	3198.3	2630.4	2057.8	1543.4	2023.8	2043.2	2339.2	2669.2	2669.2	2703.3	2882.8
52.5°	2873.1	2392.7	1868.5	1397.8	1815.1	1873.4	2130.5	2514.0	2523.6	2557.7	2717.8
55°	2577.1	2145.2	1732.6	1286.1	1567.6	1693.7	1926.7	2353.8	2373.3	2407.2	2552.8
57.5°	2305.3	1786.0	1703.5	1155.0	1339.5	1460.9	1747.2	2198.5	2208.3	2237.3	2378.0
60°	2014.1	1291.0	1562.8	1014.3	1140.5	1232.8	1582.2	2014.1	2048.0	2067.4	2188.8
62.5°	1684.1	936.7	1417.2	917.3	1043.5	1062.9	1446.2	1839.3	1883.0	1897.6	1970.4
65°	1198.7	786.2	1203.6	834.8	941.6	946.3	1300.6	1659.8	1698.6	1722.9	1776.2
67.5°	810.5	640.6	917.3	757.1	863.8	868.7	1159.9	1451.1	1504.5	1524.0	1557.9
70°	563.0	427.0	679.4	674.6	776.6	786.2	1009.4	1261.8	1310.4	1324.9	1344.3
72.5°	412.5	344.5	563.0	606.7	684.3	694.1	854.2	1048.3	1096.8	1111.4	1121.1
75°	315.5	363.9	456.2	529.0	582.4	587.3	698.8	854.2	888.1	897.9	902.7
77.5°	252.4	339.8	334.9	427.0	475.6	466.0	548.5	660.0	689.2	689.2	689.2
80°	189.3	266.9	252.4	305.7	349.4	339.8	393.1	470.7	480.5	490.1	485.4
82.5°	140.7	169.9	169.9	194.2	233.0	223.2	262.0	305.7	305.7	305.7	315.5
85°	87.4	97.0	77.6	101.9	131.1	126.2	145.6	165.0	169.9	169.9	160.1
87.5°	53.3	43.7	24.3	38.8	58.2	58.2	68.0	72.8	68.0	68.0	68.0
90°	23.0	16.0	8.9	16.0	23.0	24.9	39.1	58.1	67.6	60.0	45.0
92.5°	156.5	96.0	35.6	96.0	156.5	171.6	241.2	334.0	380.5	333.5	239.5
95°	306.7	196.0	85.4	196.0	306.7	334.3	593.6	939.4	1112.2	992.5	753.0
97.5°	342.8	245.2	147.6	245.2	342.8	367.2	799.6	1376.1	1664.3	1588.6	1437.3
100°	372.6	284.1	195.6	284.1	372.6	394.7	874.5	1514.2	1834.1	1839.6	1850.7
102.5°	401.6	319.1	236.5	319.1	401.6	422.3	908.9	1557.7	1882.2	1978.5	2171.4
105°	445.7	375.8	305.8	375.8	445.7	463.2	934.4	1562.7	1876.8	2093.0	2525.3
107.5°	507.3	442.2	377.0	442.2	507.3	523.7	939.2	1493.2	1770.1	2071.7	2674.6
110°	542.7	483.8	424.9	483.8	542.7	557.4	932.0	1431.5	1681.2	2018.3	2692.4



TEST NUMBER: P934909

CATALOG NUMBER: SQ4-FA-075U-125D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	584.3	528.2	472.1	528.2	584.3	598.4	932.4	1377.7	1600.3	1945.3	2635.2
115°	646.7	594.9	543.2	594.9	646.7	659.6	940.9	1315.9	1503.4	1835.7	2500.3
117.5°	707.4	660.5	613.5	660.5	707.4	719.2	958.4	1277.2	1436.7	1736.6	2336.4
120°	742.8	698.6	654.4	698.6	742.8	753.9	972.6	1264.2	1410.0	1684.0	2232.1
122.5°	783.6	739.0	694.3	739.0	783.6	794.8	993.1	1257.4	1389.5	1636.3	2129.9
125°	837.2	796.4	755.7	796.4	837.2	847.3	1020.6	1251.8	1367.4	1577.0	1996.2
127.5°	887.7	846.6	805.5	846.6	887.7	898.0	1048.3	1248.5	1348.7	1528.7	1888.7
130°	920.6	876.5	832.2	876.5	920.6	931.7	1068.3	1250.4	1341.6	1501.8	1822.2
132.5°	948.2	904.0	859.7	904.0	948.2	959.3	1084.6	1251.8	1335.3	1478.7	1765.6
135°	981.2	940.9	900.6	940.9	981.2	991.3	1102.5	1250.6	1324.7	1444.8	1685.0
137.5°	1022.3	982.3	942.4	982.3	1022.3	1032.2	1129.1	1258.3	1322.9	1424.4	1627.6
140°	1050.5	1013.7	977.0	1013.7	1050.5	1059.7	1145.4	1259.6	1316.7	1404.5	1579.9
142.5°	1071.7	1037.7	1003.7	1037.7	1071.7	1080.2	1159.1	1264.1	1316.7	1393.8	1547.9
145°	1103.9	1074.3	1044.6	1074.3	1103.9	1111.4	1176.8	1264.1	1307.8	1370.8	1496.9
147.5°	1143.3	1114.4	1085.5	1114.4	1143.3	1150.5	1202.9	1272.8	1307.8	1357.4	1456.6
150°	1164.4	1138.3	1112.2	1138.3	1164.4	1170.9	1216.5	1277.4	1307.8	1349.7	1433.4
152.5°	1179.2	1159.5	1139.7	1159.5	1179.2	1184.2	1225.4	1280.4	1307.8	1343.6	1415.1
155°	1209.9	1195.3	1180.7	1195.3	1209.9	1213.5	1245.0	1286.9	1307.8	1336.3	1393.2
157.5°	1239.4	1225.1	1210.9	1225.1	1239.4	1242.9	1264.5	1293.4	1307.8	1329.9	1374.2
160°	1253.5	1242.4	1231.3	1242.4	1253.5	1256.3	1273.5	1296.3	1307.8	1326.7	1364.7
162.5°	1268.3	1260.1	1251.8	1260.1	1268.3	1270.4	1282.9	1299.5	1307.8	1323.8	1355.8
165°	1289.0	1281.5	1274.1	1281.5	1289.0	1290.9	1296.5	1304.1	1307.8	1319.3	1342.1
167.5°	1301.6	1298.0	1294.4	1298.0	1301.6	1302.5	1307.2	1313.5	1316.7	1324.2	1339.2
170°	1315.0	1311.3	1307.8	1311.3	1315.0	1315.8	1316.1	1316.5	1316.7	1324.2	1339.2
172.5°	1316.5	1315.6	1314.9	1315.6	1316.5	1316.7	1316.7	1316.7	1316.7	1322.6	1334.5
175°	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1322.1	1318.5	1316.7	1320.4	1328.0
177.5°	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1322.6	1319.9	1318.5	1321.5	1327.4
180°	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7



TEST NUMBER: P934909

CATALOG NUMBER: SQ4-FA-075U-125D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9
2.5°	4950.3	4935.7	4955.1	4901.8	4955.1	4935.7	4950.3	4984.3	4955.1	4974.5	4994.0
5°	4343.7	4319.4	4241.7	4178.7	4241.7	4319.4	4343.7	4445.6	4494.1	4581.4	4697.9
7.5°	3882.6	3863.2	3843.8	3805.0	3843.8	3863.2	3882.6	3911.7	3960.2	4037.9	4125.2
10°	3780.7	3785.5	3814.6	3809.8	3814.6	3785.5	3780.7	3770.9	3756.4	3770.9	3824.4
12.5°	4042.7	4086.4	4246.6	4236.9	4246.6	4086.4	4042.7	3848.6	3717.6	3693.3	3703.0
15°	4343.7	4358.2	4392.2	4397.0	4392.2	4358.2	4343.7	4266.0	3872.9	3703.0	3649.6
17.5°	4372.7	4377.6	4401.9	4401.9	4401.9	4377.6	4372.7	4338.8	4207.7	3979.6	3678.8
20°	4348.5	4358.2	4406.8	4416.4	4406.8	4358.2	4348.5	4304.8	4232.0	4149.5	3921.4
22.5°	4338.8	4358.2	4397.0	4392.2	4397.0	4358.2	4338.8	4270.8	4207.7	4149.5	4057.3
25°	4290.2	4290.2	4295.1	4300.0	4295.1	4290.2	4290.2	4236.9	4110.7	4096.1	4042.7
27.5°	4188.3	4198.1	4227.1	4222.3	4227.1	4198.1	4188.3	4168.9	4033.1	4018.5	3979.6
30°	4096.1	4086.4	4062.1	4042.7	4062.1	4086.4	4096.1	4067.0	3931.1	3892.3	3902.0
32.5°	3940.8	3916.5	3892.3	3877.7	3892.3	3916.5	3940.8	3931.1	3829.2	3775.8	3785.5
35°	3756.4	3761.3	3756.4	3741.9	3756.4	3761.3	3756.4	3766.1	3703.0	3654.5	3649.6
37.5°	3625.3	3635.1	3630.2	3610.8	3630.2	3635.1	3625.3	3615.7	3528.3	3513.8	3523.4
40°	3489.5	3494.4	3489.5	3474.9	3489.5	3494.4	3489.5	3470.1	3348.8	3353.6	3387.6
42.5°	3358.4	3353.6	3339.0	3329.3	3339.0	3353.6	3358.4	3329.3	3174.0	3159.5	3222.6
45°	3208.0	3212.8	3183.7	3169.1	3183.7	3212.8	3208.0	3188.5	3028.4	2989.6	3033.3
47.5°	3057.6	3057.6	3033.3	3018.7	3033.3	3057.6	3057.6	3033.3	2863.4	2824.6	2848.9
50°	2897.3	2892.6	2858.5	2853.7	2858.5	2892.6	2897.3	2882.8	2703.3	2669.2	2669.2
52.5°	2712.9	2712.9	2717.8	2727.5	2717.8	2712.9	2712.9	2717.8	2557.7	2523.6	2514.0
55°	2552.8	2557.7	2591.6	2601.4	2591.6	2557.7	2552.8	2552.8	2407.2	2373.3	2353.8
57.5°	2387.8	2387.8	2412.1	2412.1	2412.1	2387.8	2387.8	2378.0	2237.3	2208.3	2198.5
60°	2198.5	2208.3	2227.7	2222.8	2227.7	2208.3	2198.5	2188.8	2067.4	2048.0	2014.1
62.5°	1999.6	2009.2	2014.1	2004.3	2014.1	2009.2	1999.6	1970.4	1897.6	1883.0	1839.3
65°	1790.9	1800.5	1805.4	1795.7	1805.4	1800.5	1790.9	1776.2	1722.9	1698.6	1659.8
67.5°	1577.3	1572.4	1567.6	1587.0	1567.6	1572.4	1577.3	1557.9	1524.0	1504.5	1451.1
70°	1358.9	1358.9	1354.1	1363.7	1354.1	1358.9	1358.9	1344.3	1324.9	1310.4	1261.8
72.5°	1126.0	1121.1	1140.5	1126.0	1140.5	1121.1	1126.0	1121.1	1111.4	1096.8	1048.3
75°	897.9	907.5	897.9	912.4	897.9	907.5	897.9	902.7	897.9	888.1	854.2
77.5°	684.3	694.1	684.3	684.3	684.3	694.1	684.3	689.2	689.2	689.2	660.0
80°	485.4	480.5	480.5	475.6	480.5	480.5	485.4	485.4	490.1	480.5	470.7
82.5°	310.6	305.7	305.7	315.5	305.7	305.7	310.6	315.5	305.7	305.7	305.7
85°	169.9	174.8	165.0	165.0	165.0	174.8	169.9	160.1	169.9	169.9	165.0
87.5°	63.1	58.2	58.2	58.2	58.2	58.2	63.1	68.0	68.0	68.0	72.8
90°	33.7	33.7	33.7	33.7	33.7	33.7	33.7	45.0	60.0	67.6	58.1
92.5°	168.9	162.2	135.4	108.5	135.4	162.2	168.9	239.5	333.5	380.5	334.0
95°	573.4	553.0	471.7	390.3	471.7	553.0	573.4	753.0	992.5	1112.2	939.4
97.5°	1323.8	1285.1	1130.2	975.3	1130.2	1285.1	1323.8	1437.3	1588.6	1664.3	1376.1
100°	1859.0	1812.9	1628.4	1443.8	1628.4	1812.9	1859.0	1850.7	1839.6	1834.1	1514.2
102.5°	2316.0	2276.5	2118.4	1960.4	2118.4	2276.5	2316.0	2171.4	1978.5	1882.2	1557.7
105°	2849.5	2828.2	2743.2	2658.3	2743.2	2828.2	2849.5	2525.3	2093.0	1876.8	1562.7
107.5°	3126.8	3132.0	3152.5	3173.1	3152.5	3132.0	3126.8	2674.6	2071.7	1770.1	1493.2
110°	3197.9	3220.0	3308.5	3397.1	3308.5	3220.0	3197.9	2692.4	2018.3	1681.2	1431.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3152.6	3186.5	3322.5	3458.4	3322.5	3186.5	3152.6	2635.2	1945.3	1600.3	1377.7
115°	2998.8	3045.9	3234.3	3422.9	3234.3	3045.9	2998.8	2500.3	1835.7	1503.4	1315.9
117.5°	2786.3	2838.6	3047.5	3256.6	3047.5	2838.6	2786.3	2336.4	1736.6	1436.7	1277.2
120°	2643.1	2693.9	2897.1	3100.1	2897.1	2693.9	2643.1	2232.1	1684.0	1410.0	1264.2
122.5°	2500.0	2550.1	2750.4	2950.8	2750.4	2550.1	2500.0	2129.9	1636.3	1389.5	1257.4
125°	2310.7	2356.8	2541.3	2725.8	2541.3	2356.8	2310.7	1996.2	1577.0	1367.4	1251.8
127.5°	2158.6	2197.6	2353.3	2508.9	2353.3	2197.6	2158.6	1888.7	1528.7	1348.7	1248.5
130°	2062.6	2098.5	2242.4	2386.3	2242.4	2098.5	2062.6	1822.2	1501.8	1341.6	1250.4
132.5°	1980.8	2013.0	2141.8	2270.7	2141.8	2013.0	1980.8	1765.6	1478.7	1335.3	1251.8
135°	1865.3	1893.0	2004.1	2115.1	2004.1	1893.0	1865.3	1685.0	1444.8	1324.7	1250.6
137.5°	1779.9	1802.6	1893.5	1984.4	1893.5	1802.6	1779.9	1627.6	1424.4	1322.9	1258.3
140°	1711.4	1732.7	1817.6	1902.5	1817.6	1732.7	1711.4	1579.9	1404.5	1316.7	1259.6
142.5°	1663.4	1681.7	1754.8	1827.9	1754.8	1681.7	1663.4	1547.9	1393.8	1316.7	1264.1
145°	1591.5	1605.3	1660.6	1715.8	1660.6	1605.3	1591.5	1496.9	1370.8	1307.8	1264.1
147.5°	1530.9	1542.4	1588.2	1634.1	1588.2	1542.4	1530.9	1456.6	1357.4	1307.8	1272.8
150°	1496.2	1505.5	1542.7	1579.9	1542.7	1505.5	1496.2	1433.4	1349.7	1307.8	1277.4
152.5°	1468.7	1475.7	1503.8	1531.8	1503.8	1475.7	1468.7	1415.1	1343.6	1307.8	1280.4
155°	1435.8	1440.5	1459.0	1477.6	1459.0	1440.5	1435.8	1393.2	1336.3	1307.8	1286.9
157.5°	1407.3	1410.6	1423.7	1436.7	1423.7	1410.6	1407.3	1374.2	1329.9	1307.8	1293.4
160°	1393.2	1395.1	1402.5	1410.0	1402.5	1395.1	1393.2	1364.7	1326.7	1307.8	1296.3
162.5°	1379.8	1381.6	1388.7	1395.9	1388.7	1381.6	1379.8	1355.8	1323.8	1307.8	1299.5
165°	1359.3	1361.2	1368.7	1376.3	1368.7	1361.2	1359.3	1342.1	1319.3	1307.8	1304.1
167.5°	1350.4	1351.2	1354.5	1357.6	1354.5	1351.2	1350.4	1339.2	1324.2	1316.7	1313.5
170°	1350.4	1350.4	1350.4	1350.4	1350.4	1350.4	1350.4	1339.2	1324.2	1316.7	1316.5
172.5°	1343.4	1342.7	1339.9	1337.2	1339.9	1342.7	1343.4	1334.5	1322.6	1316.7	1316.7
175°	1333.6	1333.6	1333.6	1333.6	1333.6	1333.6	1333.6	1328.0	1320.4	1316.7	1318.5
177.5°	1331.8	1331.0	1327.9	1324.7	1327.9	1331.0	1331.8	1327.4	1321.5	1318.5	1319.9
180°	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7



TEST NUMBER: P934909
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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5129.9	5129.9	5129.9	5129.9	5129.9
2.5°	5066.8	5091.1	5105.6	5125.0	5173.6
5°	4872.6	4964.9	4994.0	5066.8	5154.1
7.5°	4445.6	4727.0	4804.7	4979.4	5115.3
10°	4033.1	4314.5	4450.4	4863.0	5066.8
12.5°	3824.4	3989.4	4081.5	4659.1	4998.8
15°	3693.3	3809.8	3877.7	4387.3	4921.2
17.5°	3591.4	3673.9	3722.5	4120.4	4814.4
20°	3528.3	3567.1	3610.8	3926.3	4693.1
22.5°	3484.6	3460.3	3494.4	3790.3	4528.1
25°	3455.5	3363.3	3402.1	3683.6	4333.9
27.5°	3479.7	3275.9	3290.5	3586.5	4130.1
30°	3484.6	3169.1	3174.0	3484.6	3902.0
32.5°	3450.7	3057.6	3062.4	3358.4	3644.8
35°	3368.2	2926.5	2921.6	3212.8	3295.3
37.5°	3256.5	2785.8	2785.8	3052.7	2912.0
40°	3120.7	2645.0	2659.6	2844.0	2572.2
42.5°	2955.6	2494.6	2514.0	2567.3	2319.8
45°	2776.0	2349.0	2363.5	2169.4	2125.7
47.5°	2577.1	2198.5	2203.4	1800.5	2062.7
50°	2339.2	2043.2	2023.8	1543.4	2057.8
52.5°	2130.5	1873.4	1815.1	1397.8	1868.5
55°	1926.7	1693.7	1567.6	1286.1	1732.6
57.5°	1747.2	1460.9	1339.5	1155.0	1703.5
60°	1582.2	1232.8	1140.5	1014.3	1562.8
62.5°	1446.2	1062.9	1043.5	917.3	1417.2
65°	1300.6	946.3	941.6	834.8	1203.6
67.5°	1159.9	868.7	863.8	757.1	917.3
70°	1009.4	786.2	776.6	674.6	679.4
72.5°	854.2	694.1	684.3	606.7	563.0
75°	698.8	587.3	582.4	529.0	456.2
77.5°	548.5	466.0	475.6	427.0	334.9
80°	393.1	339.8	349.4	305.7	252.4
82.5°	262.0	223.2	233.0	194.2	169.9
85°	145.6	126.2	131.1	101.9	77.6
87.5°	68.0	58.2	58.2	38.8	24.3
90°	39.1	24.9	23.0	16.0	8.9
92.5°	241.2	171.6	156.5	96.0	35.6
95°	593.6	334.3	306.7	196.0	85.4
97.5°	799.6	367.2	342.8	245.2	147.6
100°	874.5	394.7	372.6	284.1	195.6
102.5°	908.9	422.3	401.6	319.1	236.5
105°	934.4	463.2	445.7	375.8	305.8
107.5°	939.2	523.7	507.3	442.2	377.0
110°	932.0	557.4	542.7	483.8	424.9



TEST NUMBER: P934909

CATALOG NUMBER: SQ4-FA-075U-125D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	932.4	598.4	584.3	528.2	472.1
115°	940.9	659.6	646.7	594.9	543.2
117.5°	958.4	719.2	707.4	660.5	613.5
120°	972.6	753.9	742.8	698.6	654.4
122.5°	993.1	794.8	783.6	739.0	694.3
125°	1020.6	847.3	837.2	796.4	755.7
127.5°	1048.3	898.0	887.7	846.6	805.5
130°	1068.3	931.7	920.6	876.5	832.2
132.5°	1084.6	959.3	948.2	904.0	859.7
135°	1102.5	991.3	981.2	940.9	900.6
137.5°	1129.1	1032.2	1022.3	982.3	942.4
140°	1145.4	1059.7	1050.5	1013.7	977.0
142.5°	1159.1	1080.2	1071.7	1037.7	1003.7
145°	1176.8	1111.4	1103.9	1074.3	1044.6
147.5°	1202.9	1150.5	1143.3	1114.4	1085.5
150°	1216.5	1170.9	1164.4	1138.3	1112.2
152.5°	1225.4	1184.2	1179.2	1159.5	1139.7
155°	1245.0	1213.5	1209.9	1195.3	1180.7
157.5°	1264.5	1242.9	1239.4	1225.1	1210.9
160°	1273.5	1256.3	1253.5	1242.4	1231.3
162.5°	1282.9	1270.4	1268.3	1260.1	1251.8
165°	1296.5	1290.9	1289.0	1281.5	1274.1
167.5°	1307.2	1302.5	1301.6	1298.0	1294.4
170°	1316.1	1315.8	1315.0	1311.3	1307.8
172.5°	1316.7	1316.7	1316.5	1315.6	1314.9
175°	1322.1	1324.7	1324.7	1324.7	1324.7
177.5°	1322.6	1324.7	1324.7	1324.7	1324.7
180°	1324.7	1324.7	1324.7	1324.7	1324.7



TEST NUMBER: P934909
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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.36	16.32	16.21	17.20	18.31	18.21	19.17	19.06	20.05	21.16
	3H	15.84	16.71	16.71	17.60	18.73	19.57	20.43	20.44	21.32	22.46
	4H	16.04	16.86	16.92	17.75	18.90	20.02	20.84	20.91	21.74	22.88
	6H	16.16	16.92	17.06	17.82	18.98	20.32	21.07	21.21	21.97	23.13
	8H	16.16	16.88	17.07	17.80	18.96	20.40	21.12	21.30	22.04	23.19
	12H	16.14	16.82	17.05	17.74	18.92	20.44	21.13	21.35	22.04	23.22
4H	2H	16.41	17.22	17.30	18.12	19.27	18.63	19.45	19.52	20.34	21.49
	3H	17.44	18.13	18.35	19.05	20.21	20.15	20.83	21.05	21.76	22.92
	4H	17.72	18.35	18.64	19.27	20.45	20.69	21.31	21.60	22.23	23.42
	6H	17.85	18.39	18.78	19.34	20.53	21.06	21.60	21.99	22.55	23.73
	8H	17.86	18.36	18.79	19.31	20.51	21.18	21.68	22.11	22.62	23.82
	12H	17.83	18.29	18.79	19.25	20.45	21.24	21.69	22.19	22.65	23.86
8H	4H	18.19	18.69	19.12	19.63	20.83	20.82	21.32	21.75	22.26	23.46
	6H	18.45	18.87	19.41	19.85	21.05	21.27	21.68	22.22	22.66	23.86
	8H	18.50	18.87	19.47	19.84	21.06	21.42	21.79	22.39	22.76	23.98
	12H	18.49	18.81	19.46	19.78	21.04	21.53	21.85	22.50	22.82	24.08
12H	4H	18.20	18.65	19.15	19.61	20.82	20.79	21.24	21.74	22.20	23.41
	6H	18.52	18.88	19.48	19.86	21.08	21.26	21.63	22.23	22.60	23.82
	8H	18.59	18.91	19.56	19.88	21.14	21.43	21.76	22.40	22.72	23.99