

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: P934509

Luminaire Tested: SQ4-FA-050U-125D-830-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934509
REPORT IS A COMBINATION OF REPORTS P933701 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-125D-830-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

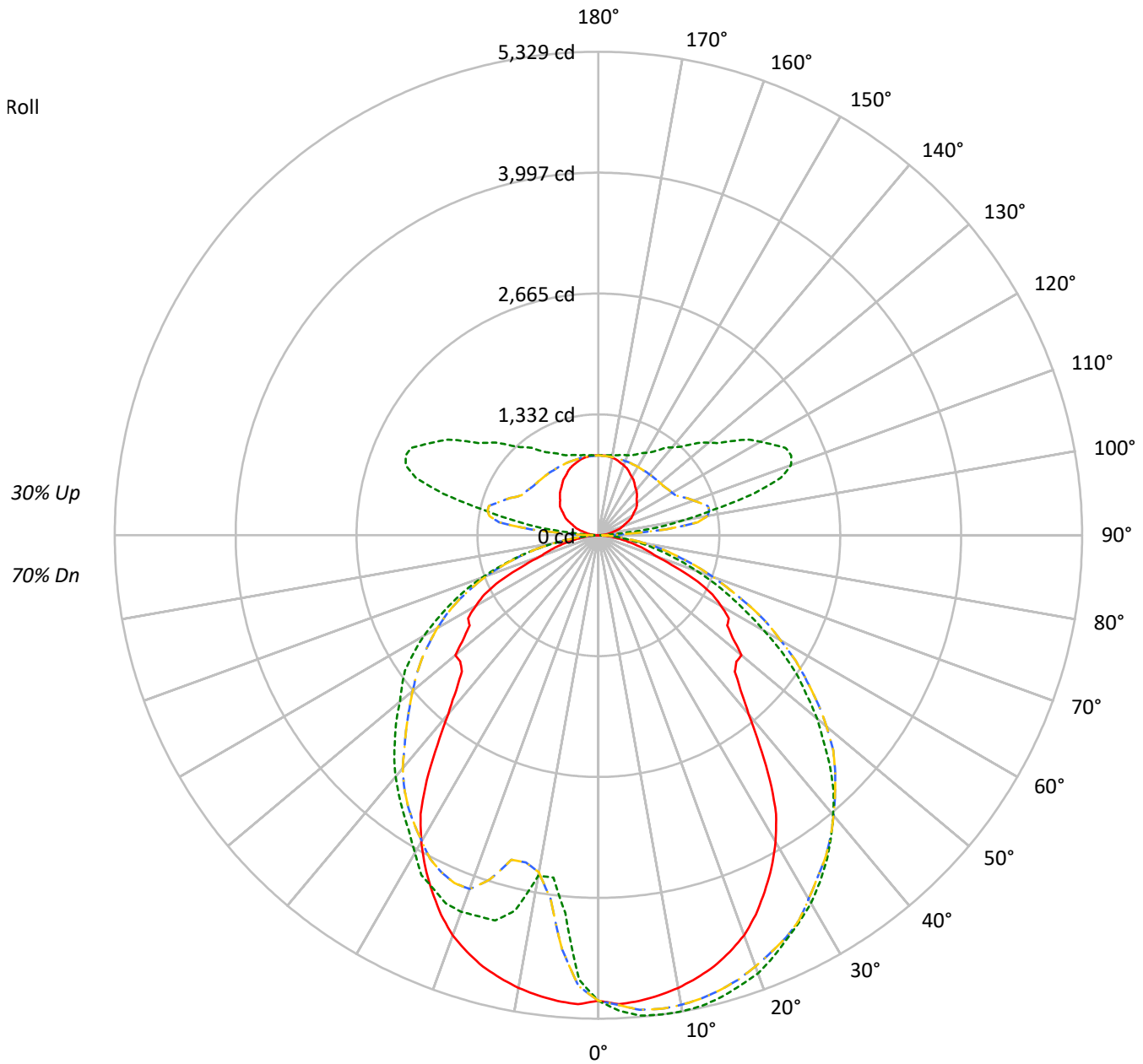
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19013.9 lumens
Efficiency: N/A
Efficacy: 113.2 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: Semi-Direct

Input Watts (W): 168
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: P934509
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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	70
1	102	98	94	90	97	93	89	86	83	80	78	74	72	70	66	65	63	63	63	63	59
2	93	86	79	74	88	81	76	71	73	68	65	65	62	59	58	56	53	53	53	53	50
3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	45	45	45	45	42
4	78	67	58	52	73	63	56	50	57	51	46	51	47	43	46	42	39	39	39	39	36
5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	34	34	34	34	31
6	66	53	45	39	62	51	43	38	46	40	35	42	36	32	38	33	30	30	30	30	27
7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	27	27	27	27	24
8	57	44	36	30	54	42	35	29	38	32	28	35	30	26	31	27	24	24	24	24	22
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	21	21	21	19
10	49	37	30	25	47	35	28	24	32	26	22	30	25	21	27	23	19	19	19	19	18

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	2.4
10°-20°	1314.8	6.9
20°-30°	2032.4	10.7
30°-40°	2426.2	12.8
40°-50°	2440.5	12.8
50°-60°	2123.5	11.2
60°-70°	1505.6	7.9
70°-80°	796.5	4.2
80°-90°	201.7	1.1
90°-100°	429.3	2.3
100°-110°	1128.7	5.9
110°-120°	1170.4	6.2
120°-130°	938.8	4.9
130°-140°	736.6	3.9
140°-150°	565.4	3.0
150°-160°	407.2	2.1
160°-170°	249.1	1.3
170°-180°	84.2	0.4
0°-30°	3810.2	20.0
0°-40°	6236.4	32.8
0°-60°	10800.3	56.8
0°-90°	13304.2	70.0
90°-120°	2728.4	14.3
90°-150°	4969.2	26.1
90°-180°	5710.0	30.0
0°-180°	19013.9	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°	6	22	6	22	6	8
95°	57	260	57	260	57	63
105°	203	1768	203	1768	203	216
115°	361	2276	361	2276	361	357
125°	502	1812	502	1812	502	446
135°	599	1406	599	1406	599	463
145°	694	1141	694	1141	694	435
155°	785	982	785	982	785	361
165°	847	915	847	915	847	239
175°	881	887	881	887	881	84
180°	881	881	881	881	881	



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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°	5.9	10.6	15.4	16.5	26.0	38.6	44.9	40.0	29.9	22.5	22.5
92.5°	23.6	63.8	104.0	114.1	160.3	222.1	253.0	221.7	159.2	112.3	107.8
95°	56.8	130.3	203.9	222.3	394.6	624.6	739.5	659.8	500.7	381.3	367.7
97.5°	98.1	163.0	227.9	244.2	531.6	914.9	1106.6	1056.3	955.6	880.2	854.5
100°	130.0	188.9	247.7	262.4	581.4	1006.8	1219.5	1223.1	1230.5	1236.0	1205.3
102.5°	157.3	212.1	267.0	280.8	604.3	1035.7	1251.4	1315.5	1443.7	1539.8	1513.5
105°	203.3	249.8	296.3	307.9	621.2	1039.0	1247.9	1391.6	1678.9	1894.5	1880.4
107.5°	250.7	294.0	337.4	348.2	624.5	992.8	1176.9	1377.4	1778.4	2079.0	2082.5
110°	282.6	321.7	360.9	370.6	619.7	951.8	1117.9	1341.9	1790.1	2126.2	2141.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	313.9	351.1	388.4	397.8	619.9	915.9	1064.0	1293.4	1752.1	2096.1	2118.7
115°	361.2	395.6	430.0	438.6	625.6	874.9	999.6	1220.5	1662.4	1993.8	2025.2
117.5°	407.8	439.1	470.4	478.2	637.2	849.2	955.2	1154.7	1553.4	1852.5	1887.2
120°	435.1	464.5	493.9	501.2	646.6	840.6	937.5	1119.8	1484.1	1757.4	1791.2
122.5°	461.7	491.4	521.0	528.5	660.3	836.0	923.9	1087.9	1416.1	1662.2	1695.5
125°	502.5	529.5	556.6	563.4	678.7	832.3	909.2	1048.5	1327.2	1536.3	1567.0
127.5°	535.6	562.9	590.2	597.0	696.9	830.1	896.7	1016.4	1255.7	1435.2	1461.2
130°	553.3	582.8	612.1	619.5	710.3	831.4	892.0	998.5	1211.6	1371.4	1395.3
132.5°	571.6	601.0	630.5	637.8	721.2	832.3	887.8	983.2	1174.0	1317.0	1338.4
135°	598.8	625.6	652.4	659.1	733.0	831.5	880.8	960.7	1120.4	1240.2	1258.7
137.5°	626.6	653.1	679.7	686.3	750.7	836.7	879.6	947.1	1082.2	1183.4	1198.5
140°	649.6	674.1	698.5	704.6	761.5	837.5	875.4	933.7	1050.5	1137.9	1152.1
142.5°	667.4	689.9	712.6	718.2	770.6	840.5	875.4	926.7	1029.1	1106.0	1118.1
145°	694.5	714.2	733.9	738.9	782.5	840.5	869.6	911.5	995.3	1058.1	1067.3
147.5°	721.8	740.9	760.1	764.9	799.8	846.3	869.6	902.6	968.5	1017.9	1025.6
150°	739.5	756.8	774.2	778.5	808.9	849.3	869.6	897.4	953.0	994.8	1001.0
152.5°	757.8	770.9	784.1	787.4	814.8	851.3	869.6	893.4	940.9	976.6	981.2
155°	785.0	794.7	804.5	806.9	827.8	855.6	869.6	888.5	926.3	954.7	957.7
157.5°	805.1	814.6	824.0	826.4	840.8	860.0	869.6	884.3	913.6	935.7	937.9
160°	818.7	826.1	833.4	835.3	846.7	861.9	869.6	882.2	907.3	926.3	927.5
162.5°	832.3	837.8	843.4	844.7	853.0	864.0	869.6	880.2	901.4	917.4	918.5
165°	847.1	852.1	857.1	858.3	862.0	867.1	869.6	877.2	892.4	903.8	905.0
167.5°	860.7	863.0	865.4	865.9	869.1	873.3	875.4	880.4	890.4	897.9	898.4
170°	869.6	871.9	874.3	874.8	875.0	875.3	875.4	880.4	890.4	897.9	897.9
172.5°	874.3	874.7	875.3	875.4	875.4	875.4	875.4	879.3	887.3	893.2	892.7
175°	880.8	880.8	880.8	880.8	878.9	876.6	875.4	877.9	883.0	886.7	886.7
177.5°	880.8	880.8	880.8	880.8	879.4	877.6	876.7	878.7	882.6	885.5	885.0
180°	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8



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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°	22.5	22.5	22.5	22.5	22.5	29.9	40.0	44.9	38.6	26.0	16.5
92.5°	90.0	72.1	90.0	107.8	112.3	159.2	221.7	253.0	222.1	160.3	114.1
95°	313.6	259.5	313.6	367.7	381.3	500.7	659.8	739.5	624.6	394.6	222.3
97.5°	751.4	648.5	751.4	854.5	880.2	955.6	1056.3	1106.6	914.9	531.6	244.2
100°	1082.7	960.0	1082.7	1205.3	1236.0	1230.5	1223.1	1219.5	1006.8	581.4	262.4
102.5°	1408.5	1303.4	1408.5	1513.5	1539.8	1443.7	1315.5	1251.4	1035.7	604.3	280.8
105°	1824.0	1767.5	1824.0	1880.4	1894.5	1678.9	1391.6	1247.9	1039.0	621.2	307.9
107.5°	2096.0	2109.7	2096.0	2082.5	2079.0	1778.4	1377.4	1176.9	992.8	624.5	348.2
110°	2199.8	2258.6	2199.8	2141.0	2126.2	1790.1	1341.9	1117.9	951.8	619.7	370.6



TEST NUMBER: P934509

CATALOG NUMBER: SQ4-FA-050U-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°	2209.1	2299.5	2209.1	2118.7	2096.1	1752.1	1293.4	1064.0	915.9	619.9	397.8
115°	2150.5	2275.9	2150.5	2025.2	1993.8	1662.4	1220.5	999.6	874.9	625.6	438.6
117.5°	2026.2	2165.2	2026.2	1887.2	1852.5	1553.4	1154.7	955.2	849.2	637.2	478.2
120°	1926.2	2061.2	1926.2	1791.2	1757.4	1484.1	1119.8	937.5	840.6	646.6	501.2
122.5°	1828.7	1961.9	1828.7	1695.5	1662.2	1416.1	1087.9	923.9	836.0	660.3	528.5
125°	1689.6	1812.4	1689.6	1567.0	1536.3	1327.2	1048.5	909.2	832.3	678.7	563.4
127.5°	1564.6	1668.1	1564.6	1461.2	1435.2	1255.7	1016.4	896.7	830.1	696.9	597.0
130°	1491.0	1586.6	1491.0	1395.3	1371.4	1211.6	998.5	892.0	831.4	710.3	619.5
132.5°	1424.1	1509.7	1424.1	1338.4	1317.0	1174.0	983.2	887.8	832.3	721.2	637.8
135°	1332.5	1406.3	1332.5	1258.7	1240.2	1120.4	960.7	880.8	831.5	733.0	659.1
137.5°	1259.0	1319.4	1259.0	1198.5	1183.4	1082.2	947.1	879.6	836.7	750.7	686.3
140°	1208.5	1265.0	1208.5	1152.1	1137.9	1050.5	933.7	875.4	837.5	761.5	704.6
142.5°	1166.8	1215.4	1166.8	1118.1	1106.0	1029.1	926.7	875.4	840.5	770.6	718.2
145°	1104.1	1140.9	1104.1	1067.3	1058.1	995.3	911.5	869.6	840.5	782.5	738.9
147.5°	1056.0	1086.5	1056.0	1025.6	1017.9	968.5	902.6	869.6	846.3	799.8	764.9
150°	1025.7	1050.5	1025.7	1001.0	994.8	953.0	897.4	869.6	849.3	808.9	778.5
152.5°	999.9	1018.5	999.9	981.2	976.6	940.9	893.4	869.6	851.3	814.8	787.4
155°	970.1	982.5	970.1	957.7	954.7	926.3	888.5	869.6	855.6	827.8	806.9
157.5°	946.5	955.2	946.5	937.9	935.7	913.6	884.3	869.6	860.0	840.8	826.4
160°	932.6	937.5	932.6	927.5	926.3	907.3	882.2	869.6	861.9	846.7	835.3
162.5°	923.3	928.1	923.3	918.5	917.4	901.4	880.2	869.6	864.0	853.0	844.7
165°	910.1	915.1	910.1	905.0	903.8	892.4	877.2	869.6	867.1	862.0	858.3
167.5°	900.6	902.7	900.6	898.4	897.9	890.4	880.4	875.4	873.3	869.1	865.9
170°	897.9	897.9	897.9	897.9	897.9	890.4	880.4	875.4	875.3	875.0	874.8
172.5°	890.9	889.1	890.9	892.7	893.2	887.3	879.3	875.4	875.4	875.4	875.4
175°	886.7	886.7	886.7	886.7	886.7	883.0	877.9	875.4	876.6	878.9	880.8
177.5°	882.9	880.8	882.9	885.0	885.5	882.6	878.7	876.7	877.6	879.4	880.8
180°	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8



TEST NUMBER: P934509

CATALOG NUMBER: SQ4-FA-050U-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°	15.4	10.6	5.9	10.6	15.4	16.5	26.0	38.6	44.9	40.0	29.9
92.5°	104.0	63.8	23.6	63.8	104.0	114.1	160.3	222.1	253.0	221.7	159.2
95°	203.9	130.3	56.8	130.3	203.9	222.3	394.6	624.6	739.5	659.8	500.7
97.5°	227.9	163.0	98.1	163.0	227.9	244.2	531.6	914.9	1106.6	1056.3	955.6
100°	247.7	188.9	130.0	188.9	247.7	262.4	581.4	1006.8	1219.5	1223.1	1230.5
102.5°	267.0	212.1	157.3	212.1	267.0	280.8	604.3	1035.7	1251.4	1315.5	1443.7
105°	296.3	249.8	203.3	249.8	296.3	307.9	621.2	1039.0	1247.9	1391.6	1678.9
107.5°	337.4	294.0	250.7	294.0	337.4	348.2	624.5	992.8	1176.9	1377.4	1778.4
110°	360.9	321.7	282.6	321.7	360.9	370.6	619.7	951.8	1117.9	1341.9	1790.1



TEST NUMBER: P934509

CATALOG NUMBER: SQ4-FA-050U-125D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	388.4	351.1	313.9	351.1	388.4	397.8	619.9	915.9	1064.0	1293.4	1752.1
115°	430.0	395.6	361.2	395.6	430.0	438.6	625.6	874.9	999.6	1220.5	1662.4
117.5°	470.4	439.1	407.8	439.1	470.4	478.2	637.2	849.2	955.2	1154.7	1553.4
120°	493.9	464.5	435.1	464.5	493.9	501.2	646.6	840.6	937.5	1119.8	1484.1
122.5°	521.0	491.4	461.7	491.4	521.0	528.5	660.3	836.0	923.9	1087.9	1416.1
125°	556.6	529.5	502.5	529.5	556.6	563.4	678.7	832.3	909.2	1048.5	1327.2
127.5°	590.2	562.9	535.6	562.9	590.2	597.0	696.9	830.1	896.7	1016.4	1255.7
130°	612.1	582.8	553.3	582.8	612.1	619.5	710.3	831.4	892.0	998.5	1211.6
132.5°	630.5	601.0	571.6	601.0	630.5	637.8	721.2	832.3	887.8	983.2	1174.0
135°	652.4	625.6	598.8	625.6	652.4	659.1	733.0	831.5	880.8	960.7	1120.4
137.5°	679.7	653.1	626.6	653.1	679.7	686.3	750.7	836.7	879.6	947.1	1082.2
140°	698.5	674.1	649.6	674.1	698.5	704.6	761.5	837.5	875.4	933.7	1050.5
142.5°	712.6	689.9	667.4	689.9	712.6	718.2	770.6	840.5	875.4	926.7	1029.1
145°	733.9	714.2	694.5	714.2	733.9	738.9	782.5	840.5	869.6	911.5	995.3
147.5°	760.1	740.9	721.8	740.9	760.1	764.9	799.8	846.3	869.6	902.6	968.5
150°	774.2	756.8	739.5	756.8	774.2	778.5	808.9	849.3	869.6	897.4	953.0
152.5°	784.1	770.9	757.8	770.9	784.1	787.4	814.8	851.3	869.6	893.4	940.9
155°	804.5	794.7	785.0	794.7	804.5	806.9	827.8	855.6	869.6	888.5	926.3
157.5°	824.0	814.6	805.1	814.6	824.0	826.4	840.8	860.0	869.6	884.3	913.6
160°	833.4	826.1	818.7	826.1	833.4	835.3	846.7	861.9	869.6	882.2	907.3
162.5°	843.4	837.8	832.3	837.8	843.4	844.7	853.0	864.0	869.6	880.2	901.4
165°	857.1	852.1	847.1	852.1	857.1	858.3	862.0	867.1	869.6	877.2	892.4
167.5°	865.4	863.0	860.7	863.0	865.4	865.9	869.1	873.3	875.4	880.4	890.4
170°	874.3	871.9	869.6	871.9	874.3	874.8	875.0	875.3	875.4	880.4	890.4
172.5°	875.3	874.7	874.3	874.7	875.3	875.4	875.4	875.4	875.4	879.3	887.3
175°	880.8	880.8	880.8	880.8	880.8	880.8	878.9	876.6	875.4	877.9	883.0
177.5°	880.8	880.8	880.8	880.8	880.8	880.8	879.4	877.6	876.7	878.7	882.6
180°	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8



TEST NUMBER: P934509
 CATALOG NUMBER: SQ4-FA-050U-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°	22.5	22.5	22.5	22.5	22.5	22.5	22.5	29.9	40.0	44.9	38.6
92.5°	112.3	107.8	90.0	72.1	90.0	107.8	112.3	159.2	221.7	253.0	222.1
95°	381.3	367.7	313.6	259.5	313.6	367.7	381.3	500.7	659.8	739.5	624.6
97.5°	880.2	854.5	751.4	648.5	751.4	854.5	880.2	955.6	1056.3	1106.6	914.9
100°	1236.0	1205.3	1082.7	960.0	1082.7	1205.3	1236.0	1230.5	1223.1	1219.5	1006.8
102.5°	1539.8	1513.5	1408.5	1303.4	1408.5	1513.5	1539.8	1443.7	1315.5	1251.4	1035.7
105°	1894.5	1880.4	1824.0	1767.5	1824.0	1880.4	1894.5	1678.9	1391.6	1247.9	1039.0
107.5°	2079.0	2082.5	2096.0	2109.7	2096.0	2082.5	2079.0	1778.4	1377.4	1176.9	992.8
110°	2126.2	2141.0	2199.8	2258.6	2199.8	2141.0	2126.2	1790.1	1341.9	1117.9	951.8



TEST NUMBER: P934509

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2096.1	2118.7	2209.1	2299.5	2209.1	2118.7	2096.1	1752.1	1293.4	1064.0	915.9
115°	1993.8	2025.2	2150.5	2275.9	2150.5	2025.2	1993.8	1662.4	1220.5	999.6	874.9
117.5°	1852.5	1887.2	2026.2	2165.2	2026.2	1887.2	1852.5	1553.4	1154.7	955.2	849.2
120°	1757.4	1791.2	1926.2	2061.2	1926.2	1791.2	1757.4	1484.1	1119.8	937.5	840.6
122.5°	1662.2	1695.5	1828.7	1961.9	1828.7	1695.5	1662.2	1416.1	1087.9	923.9	836.0
125°	1536.3	1567.0	1689.6	1812.4	1689.6	1567.0	1536.3	1327.2	1048.5	909.2	832.3
127.5°	1435.2	1461.2	1564.6	1668.1	1564.6	1461.2	1435.2	1255.7	1016.4	896.7	830.1
130°	1371.4	1395.3	1491.0	1586.6	1491.0	1395.3	1371.4	1211.6	998.5	892.0	831.4
132.5°	1317.0	1338.4	1424.1	1509.7	1424.1	1338.4	1317.0	1174.0	983.2	887.8	832.3
135°	1240.2	1258.7	1332.5	1406.3	1332.5	1258.7	1240.2	1120.4	960.7	880.8	831.5
137.5°	1183.4	1198.5	1259.0	1319.4	1259.0	1198.5	1183.4	1082.2	947.1	879.6	836.7
140°	1137.9	1152.1	1208.5	1265.0	1208.5	1152.1	1137.9	1050.5	933.7	875.4	837.5
142.5°	1106.0	1118.1	1166.8	1215.4	1166.8	1118.1	1106.0	1029.1	926.7	875.4	840.5
145°	1058.1	1067.3	1104.1	1140.9	1104.1	1067.3	1058.1	995.3	911.5	869.6	840.5
147.5°	1017.9	1025.6	1056.0	1086.5	1056.0	1025.6	1017.9	968.5	902.6	869.6	846.3
150°	994.8	1001.0	1025.7	1050.5	1025.7	1001.0	994.8	953.0	897.4	869.6	849.3
152.5°	976.6	981.2	999.9	1018.5	999.9	981.2	976.6	940.9	893.4	869.6	851.3
155°	954.7	957.7	970.1	982.5	970.1	957.7	954.7	926.3	888.5	869.6	855.6
157.5°	935.7	937.9	946.5	955.2	946.5	937.9	935.7	913.6	884.3	869.6	860.0
160°	926.3	927.5	932.6	937.5	932.6	927.5	926.3	907.3	882.2	869.6	861.9
162.5°	917.4	918.5	923.3	928.1	923.3	918.5	917.4	901.4	880.2	869.6	864.0
165°	903.8	905.0	910.1	915.1	910.1	905.0	903.8	892.4	877.2	869.6	867.1
167.5°	897.9	898.4	900.6	902.7	900.6	898.4	897.9	890.4	880.4	875.4	873.3
170°	897.9	897.9	897.9	897.9	897.9	897.9	897.9	890.4	880.4	875.4	875.3
172.5°	893.2	892.7	890.9	889.1	890.9	892.7	893.2	887.3	879.3	875.4	875.4
175°	886.7	886.7	886.7	886.7	886.7	886.7	886.7	883.0	877.9	875.4	876.6
177.5°	885.5	885.0	882.9	880.8	882.9	885.0	885.5	882.6	878.7	876.7	877.6
180°	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8	880.8



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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°	26.0	16.5	15.4	10.6	5.9
92.5°	160.3	114.1	104.0	63.8	23.6
95°	394.6	222.3	203.9	130.3	56.8
97.5°	531.6	244.2	227.9	163.0	98.1
100°	581.4	262.4	247.7	188.9	130.0
102.5°	604.3	280.8	267.0	212.1	157.3
105°	621.2	307.9	296.3	249.8	203.3
107.5°	624.5	348.2	337.4	294.0	250.7
110°	619.7	370.6	360.9	321.7	282.6



TEST NUMBER: P934509

CATALOG NUMBER: SQ4-FA-050U-125D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	619.9	397.8	388.4	351.1	313.9
115°	625.6	438.6	430.0	395.6	361.2
117.5°	637.2	478.2	470.4	439.1	407.8
120°	646.6	501.2	493.9	464.5	435.1
122.5°	660.3	528.5	521.0	491.4	461.7
125°	678.7	563.4	556.6	529.5	502.5
127.5°	696.9	597.0	590.2	562.9	535.6
130°	710.3	619.5	612.1	582.8	553.3
132.5°	721.2	637.8	630.5	601.0	571.6
135°	733.0	659.1	652.4	625.6	598.8
137.5°	750.7	686.3	679.7	653.1	626.6
140°	761.5	704.6	698.5	674.1	649.6
142.5°	770.6	718.2	712.6	689.9	667.4
145°	782.5	738.9	733.9	714.2	694.5
147.5°	799.8	764.9	760.1	740.9	721.8
150°	808.9	778.5	774.2	756.8	739.5
152.5°	814.8	787.4	784.1	770.9	757.8
155°	827.8	806.9	804.5	794.7	785.0
157.5°	840.8	826.4	824.0	814.6	805.1
160°	846.7	835.3	833.4	826.1	818.7
162.5°	853.0	844.7	843.4	837.8	832.3
165°	862.0	858.3	857.1	852.1	847.1
167.5°	869.1	865.9	865.4	863.0	860.7
170°	875.0	874.8	874.3	871.9	869.6
172.5°	875.4	875.4	875.3	874.7	874.3
175°	878.9	880.8	880.8	880.8	880.8
177.5°	879.4	880.8	880.8	880.8	880.8
180°	880.8	880.8	880.8	880.8	880.8



TEST NUMBER: P934509
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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	16.08	17.16	16.85	17.94	18.90	18.93	20.01	19.70	20.80	21.75
	3H	16.58	17.54	17.35	18.34	19.32	20.30	21.27	21.08	22.06	23.05
	4H	16.78	17.69	17.57	18.49	19.49	20.76	21.67	21.56	22.48	23.47
	6H	16.91	17.75	17.72	18.56	19.57	21.06	21.90	21.87	22.72	23.73
	8H	16.91	17.71	17.73	18.55	19.56	21.15	21.95	21.96	22.78	23.79
	12H	16.89	17.65	17.72	18.48	19.52	21.19	21.96	22.02	22.78	23.82
4H	2H	17.15	18.06	17.95	18.86	19.86	19.37	20.28	20.17	21.08	22.08
	3H	18.19	18.95	19.01	19.79	20.80	20.90	21.66	21.71	22.50	23.51
	4H	18.48	19.17	19.30	20.01	21.05	21.44	22.13	22.27	22.97	24.01
	6H	18.62	19.21	19.46	20.07	21.12	21.82	22.42	22.67	23.28	24.33
	8H	18.63	19.18	19.47	20.04	21.10	21.94	22.50	22.79	23.35	24.41
	12H	18.60	19.11	19.47	19.98	21.05	22.01	22.51	22.88	23.39	24.45
8H	4H	18.95	19.51	19.80	20.37	21.43	21.58	22.14	22.43	23.00	24.06
	6H	19.22	19.68	20.10	20.58	21.64	22.03	22.50	22.91	23.39	24.45
	8H	19.27	19.68	20.15	20.57	21.65	22.19	22.60	23.08	23.50	24.57
	12H	19.26	19.62	20.15	20.51	21.64	22.30	22.66	23.19	23.55	24.68
12H	4H	18.97	19.47	19.84	20.35	21.41	21.56	22.06	22.42	22.94	24.00
	6H	19.29	19.70	20.17	20.59	21.67	22.03	22.44	22.92	23.34	24.41
	8H	19.36	19.72	20.25	20.61	21.74	22.21	22.57	23.09	23.45	24.58