

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: P934109

Luminaire Tested: SQ4-FA-025U-125D-830-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934109
REPORT IS A COMBINATION OF REPORTS P933685 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-025U-125D-830-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

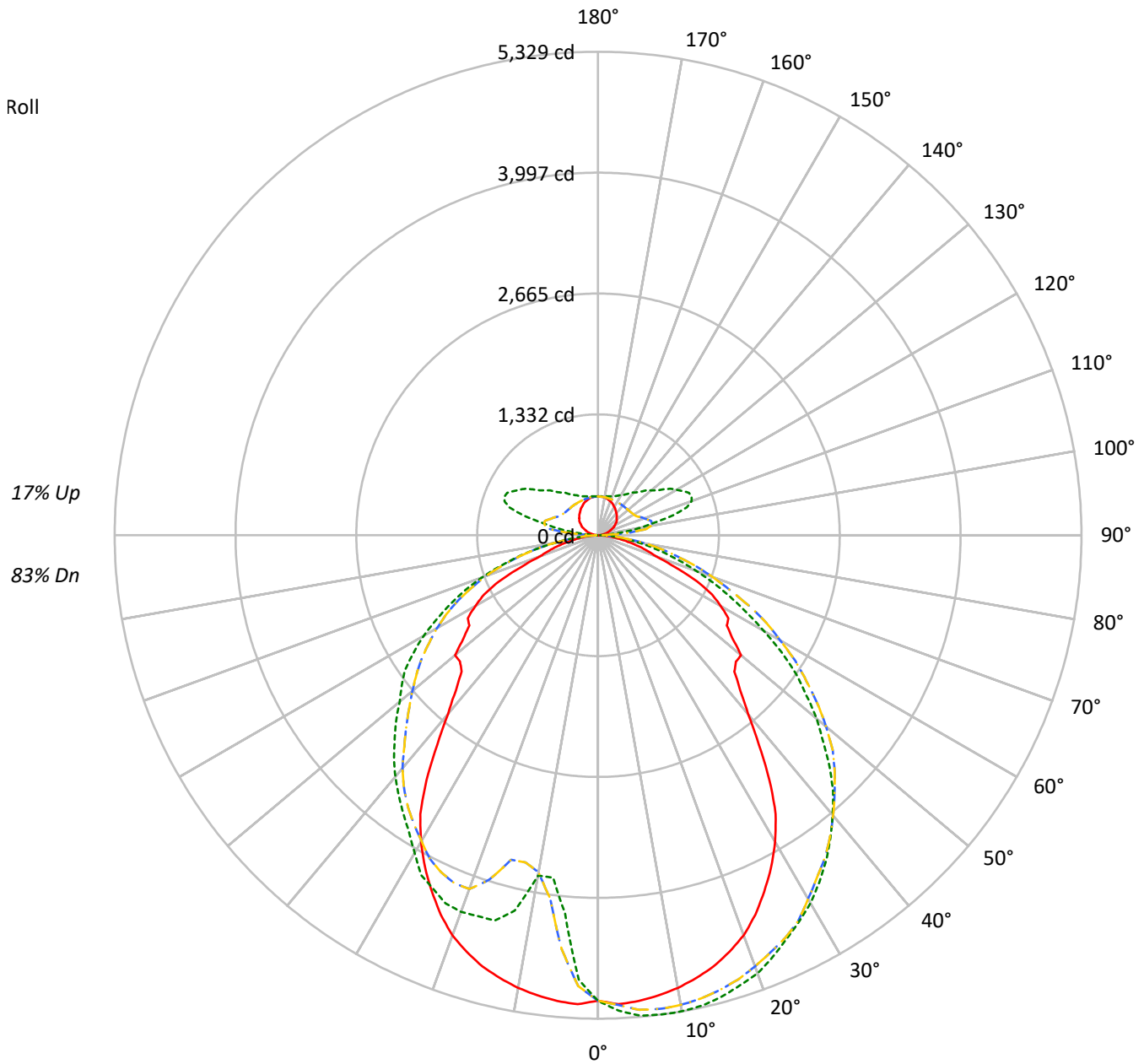
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16077.0 lumens
Efficiency: N/A
Efficacy: 108.0 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): 148.8
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: P934109
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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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	86	86	86	83
1	105	101	97	93	101	97	93	90	89	87	84	83	80	78	76	75	73	73	73	73	70
2	96	88	82	76	92	85	79	74	78	74	70	73	69	66	67	64	62	62	62	62	59
3	88	78	70	64	84	75	68	62	69	63	59	64	60	56	60	56	52	52	52	52	50
4	80	69	60	54	77	66	59	53	62	55	50	57	52	48	53	49	45	45	45	45	43
5	74	61	53	46	70	59	51	45	55	49	43	52	46	41	48	43	39	39	39	39	37
6	68	55	47	40	65	53	45	40	50	43	38	47	41	36	44	39	35	35	35	35	32
7	63	50	42	36	60	48	41	35	45	39	34	42	37	32	40	35	31	31	31	31	29
8	59	46	37	32	56	44	36	31	41	35	30	39	33	29	37	31	28	28	28	28	26
9	55	42	34	28	52	40	33	28	38	32	27	36	30	26	34	29	25	25	25	25	23
10	51	38	31	26	49	37	30	25	35	29	24	33	28	24	31	26	23	23	23	23	21

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	2.9
10°-20°	1314.8	8.2
20°-30°	2032.4	12.6
30°-40°	2426.2	15.1
40°-50°	2440.5	15.2
50°-60°	2123.5	13.2
60°-70°	1505.6	9.4
70°-80°	796.5	5.0
80°-90°	200.0	1.2
90°-100°	208.6	1.3
100°-110°	548.5	3.4
110°-120°	568.7	3.5
120°-130°	456.2	2.8
130°-140°	358.0	2.2
140°-150°	274.7	1.7
150°-160°	197.9	1.2
160°-170°	121.1	0.8
170°-180°	40.9	0.3
0°-30°	3810.2	23.7
0°-40°	6236.4	38.8
0°-60°	10800.3	67.2
0°-90°	13302.5	82.7
90°-120°	1325.9	8.2
90°-150°	2414.8	15.0
90°-180°	2775.0	17.3
0°-180°	16077.0	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°	3	11	3	11	3	6
95°	28	126	28	126	28	31
105°	99	859	99	859	99	105
115°	176	1106	176	1106	176	173
125°	244	881	244	881	244	217
135°	291	683	291	683	291	225
145°	338	554	338	554	338	211
155°	381	477	381	477	381	175
165°	412	445	412	445	412	116
175°	428	431	428	431	428	41
180°	428	428	428	428	428	



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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°	2.9	5.2	7.5	8.0	12.6	18.7	21.8	19.4	14.5	10.9	10.9
92.5°	11.5	31.0	50.6	55.4	77.9	107.9	122.9	107.7	77.3	54.6	52.4
95°	27.5	63.3	99.0	108.0	191.8	303.5	359.4	320.6	243.3	185.3	178.7
97.5°	47.7	79.3	110.8	118.6	258.3	444.6	537.8	513.3	464.4	427.7	415.2
100°	63.2	91.8	120.4	127.5	282.6	489.3	592.6	594.4	598.0	600.7	585.7
102.5°	76.4	103.1	129.7	136.4	293.7	503.3	608.1	639.3	701.5	748.3	735.5
105°	98.9	121.4	144.0	149.6	301.9	504.9	606.4	676.2	815.9	920.6	913.7
107.5°	121.8	142.8	164.0	169.2	303.4	482.4	571.9	669.3	864.1	1010.3	1011.9
110°	137.3	156.3	175.3	180.1	301.1	462.5	543.2	652.1	869.9	1033.2	1040.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	152.6	170.6	188.8	193.3	301.2	445.1	517.1	628.6	851.4	1018.6	1029.6
115°	175.5	192.3	209.0	213.2	304.0	425.1	485.7	593.1	807.8	968.9	984.1
117.5°	198.2	213.4	228.6	232.4	309.6	412.7	464.2	561.2	755.0	900.3	917.2
120°	211.4	225.7	240.1	243.6	314.2	408.4	455.5	544.1	721.2	854.0	870.4
122.5°	224.4	238.8	253.1	256.8	320.8	406.2	448.9	528.7	688.1	807.7	823.9
125°	244.2	257.4	270.5	273.8	329.8	404.5	441.8	509.5	644.9	746.5	761.5
127.5°	260.2	273.5	286.8	290.1	338.7	403.4	435.7	493.9	610.2	697.4	710.0
130°	268.8	283.2	297.5	301.0	345.2	404.0	433.5	485.3	588.8	666.4	678.1
132.5°	277.8	292.1	306.4	309.9	350.5	404.5	431.4	477.8	570.5	640.0	650.5
135°	291.0	304.0	317.0	320.3	356.2	404.1	428.0	466.8	544.4	602.7	611.6
137.5°	304.5	317.4	330.2	333.5	364.8	406.6	427.4	460.2	525.8	575.0	582.4
140°	315.7	327.5	339.5	342.4	370.1	407.0	425.4	453.7	510.4	553.0	559.8
142.5°	324.3	335.3	346.3	349.0	374.5	408.4	425.4	450.3	500.1	537.5	543.4
145°	337.6	347.1	356.7	359.1	380.2	408.4	422.6	442.9	483.6	514.1	518.6
147.5°	350.8	360.0	369.4	371.7	388.6	411.3	422.6	438.6	470.6	494.6	498.4
150°	359.4	367.8	376.2	378.3	393.0	412.7	422.6	436.1	463.2	483.4	486.4
152.5°	368.3	374.7	381.0	382.6	395.9	413.7	422.6	434.1	457.3	474.6	476.9
155°	381.4	386.1	390.9	392.1	402.2	415.8	422.6	431.7	450.2	463.9	465.5
157.5°	391.2	395.8	400.5	401.6	408.6	417.9	422.6	429.7	444.0	454.7	455.7
160°	397.9	401.4	405.1	405.9	411.5	418.8	422.6	428.7	440.9	450.1	450.7
162.5°	404.5	407.2	409.8	410.5	414.5	419.9	422.6	427.7	438.0	445.8	446.4
165°	411.7	414.0	416.5	417.1	418.9	421.3	422.6	426.3	433.6	439.2	439.8
167.5°	418.2	419.4	420.5	420.8	422.4	424.4	425.4	427.8	432.7	436.3	436.6
170°	422.6	423.7	424.8	425.1	425.2	425.3	425.4	427.8	432.7	436.3	436.3
172.5°	424.8	425.1	425.3	425.4	425.4	425.4	425.4	427.3	431.2	434.0	433.8
175°	428.0	428.0	428.0	428.0	427.1	426.0	425.4	426.7	429.1	430.9	430.9
177.5°	428.0	428.0	428.0	428.0	427.3	426.5	426.0	426.9	428.9	430.3	430.0
180°	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0



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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°	10.9	10.9	10.9	10.9	10.9	14.5	19.4	21.8	18.7	12.6	8.0
92.5°	43.8	35.1	43.8	52.4	54.6	77.3	107.7	122.9	107.9	77.9	55.4
95°	152.4	126.1	152.4	178.7	185.3	243.3	320.6	359.4	303.5	191.8	108.0
97.5°	365.2	315.1	365.2	415.2	427.7	464.4	513.3	537.8	444.6	258.3	118.6
100°	526.2	466.5	526.2	585.7	600.7	598.0	594.4	592.6	489.3	282.6	127.5
102.5°	684.4	633.4	684.4	735.5	748.3	701.5	639.3	608.1	503.3	293.7	136.4
105°	886.3	858.9	886.3	913.7	920.6	815.9	676.2	606.4	504.9	301.9	149.6
107.5°	1018.6	1025.2	1018.6	1011.9	1010.3	864.1	669.3	571.9	482.4	303.4	169.2
110°	1069.0	1097.6	1069.0	1040.4	1033.2	869.9	652.1	543.2	462.5	301.1	180.1



TEST NUMBER: P934109

CATALOG NUMBER: SQ4-FA-025U-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°	1073.5	1117.4	1073.5	1029.6	1018.6	851.4	628.6	517.1	445.1	301.2	193.3
115°	1045.0	1105.9	1045.0	984.1	968.9	807.8	593.1	485.7	425.1	304.0	213.2
117.5°	984.7	1052.2	984.7	917.2	900.3	755.0	561.2	464.2	412.7	309.6	232.4
120°	936.0	1001.6	936.0	870.4	854.0	721.2	544.1	455.5	408.4	314.2	243.6
122.5°	888.7	953.4	888.7	823.9	807.7	688.1	528.7	448.9	406.2	320.8	256.8
125°	821.0	880.7	821.0	761.5	746.5	644.9	509.5	441.8	404.5	329.8	273.8
127.5°	760.3	810.6	760.3	710.0	697.4	610.2	493.9	435.7	403.4	338.7	290.1
130°	724.6	771.0	724.6	678.1	666.4	588.8	485.3	433.5	404.0	345.2	301.0
132.5°	692.0	733.6	692.0	650.5	640.0	570.5	477.8	431.4	404.5	350.5	309.9
135°	647.5	683.3	647.5	611.6	602.7	544.4	466.8	428.0	404.1	356.2	320.3
137.5°	611.7	641.2	611.7	582.4	575.0	525.8	460.2	427.4	406.6	364.8	333.5
140°	587.3	614.7	587.3	559.8	553.0	510.4	453.7	425.4	407.0	370.1	342.4
142.5°	567.0	590.6	567.0	543.4	537.5	500.1	450.3	425.4	408.4	374.5	349.0
145°	536.5	554.4	536.5	518.6	514.1	483.6	442.9	422.6	408.4	380.2	359.1
147.5°	513.2	528.0	513.2	498.4	494.6	470.6	438.6	422.6	411.3	388.6	371.7
150°	498.5	510.4	498.5	486.4	483.4	463.2	436.1	422.6	412.7	393.0	378.3
152.5°	485.8	494.9	485.8	476.9	474.6	457.3	434.1	422.6	413.7	395.9	382.6
155°	471.4	477.4	471.4	465.5	463.9	450.2	431.7	422.6	415.8	402.2	392.1
157.5°	460.0	464.2	460.0	455.7	454.7	444.0	429.7	422.6	417.9	408.6	401.6
160°	453.1	455.5	453.1	450.7	450.1	440.9	428.7	422.6	418.8	411.5	405.9
162.5°	448.7	450.9	448.7	446.4	445.8	438.0	427.7	422.6	419.9	414.5	410.5
165°	442.2	444.6	442.2	439.8	439.2	433.6	426.3	422.6	421.3	418.9	417.1
167.5°	437.6	438.6	437.6	436.6	436.3	432.7	427.8	425.4	424.4	422.4	420.8
170°	436.3	436.3	436.3	436.3	436.3	432.7	427.8	425.4	425.3	425.2	425.1
172.5°	432.9	432.0	432.9	433.8	434.0	431.2	427.3	425.4	425.4	425.4	425.4
175°	430.9	430.9	430.9	430.9	430.9	429.1	426.7	425.4	426.0	427.1	428.0
177.5°	429.1	428.0	429.1	430.0	430.3	428.9	426.9	426.0	426.5	427.3	428.0
180°	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0



TEST NUMBER: P934109

CATALOG NUMBER: SQ4-FA-025U-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°	7.5	5.2	2.9	5.2	7.5	8.0	12.6	18.7	21.8	19.4	14.5
92.5°	50.6	31.0	11.5	31.0	50.6	55.4	77.9	107.9	122.9	107.7	77.3
95°	99.0	63.3	27.5	63.3	99.0	108.0	191.8	303.5	359.4	320.6	243.3
97.5°	110.8	79.3	47.7	79.3	110.8	118.6	258.3	444.6	537.8	513.3	464.4
100°	120.4	91.8	63.2	91.8	120.4	127.5	282.6	489.3	592.6	594.4	598.0
102.5°	129.7	103.1	76.4	103.1	129.7	136.4	293.7	503.3	608.1	639.3	701.5
105°	144.0	121.4	98.9	121.4	144.0	149.6	301.9	504.9	606.4	676.2	815.9
107.5°	164.0	142.8	121.8	142.8	164.0	169.2	303.4	482.4	571.9	669.3	864.1
110°	175.3	156.3	137.3	156.3	175.3	180.1	301.1	462.5	543.2	652.1	869.9



TEST NUMBER: P934109

CATALOG NUMBER: SQ4-FA-025U-125D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	188.8	170.6	152.6	170.6	188.8	193.3	301.2	445.1	517.1	628.6	851.4
115°	209.0	192.3	175.5	192.3	209.0	213.2	304.0	425.1	485.7	593.1	807.8
117.5°	228.6	213.4	198.2	213.4	228.6	232.4	309.6	412.7	464.2	561.2	755.0
120°	240.1	225.7	211.4	225.7	240.1	243.6	314.2	408.4	455.5	544.1	721.2
122.5°	253.1	238.8	224.4	238.8	253.1	256.8	320.8	406.2	448.9	528.7	688.1
125°	270.5	257.4	244.2	257.4	270.5	273.8	329.8	404.5	441.8	509.5	644.9
127.5°	286.8	273.5	260.2	273.5	286.8	290.1	338.7	403.4	435.7	493.9	610.2
130°	297.5	283.2	268.8	283.2	297.5	301.0	345.2	404.0	433.5	485.3	588.8
132.5°	306.4	292.1	277.8	292.1	306.4	309.9	350.5	404.5	431.4	477.8	570.5
135°	317.0	304.0	291.0	304.0	317.0	320.3	356.2	404.1	428.0	466.8	544.4
137.5°	330.2	317.4	304.5	317.4	330.2	333.5	364.8	406.6	427.4	460.2	525.8
140°	339.5	327.5	315.7	327.5	339.5	342.4	370.1	407.0	425.4	453.7	510.4
142.5°	346.3	335.3	324.3	335.3	346.3	349.0	374.5	408.4	425.4	450.3	500.1
145°	356.7	347.1	337.6	347.1	356.7	359.1	380.2	408.4	422.6	442.9	483.6
147.5°	369.4	360.0	350.8	360.0	369.4	371.7	388.6	411.3	422.6	438.6	470.6
150°	376.2	367.8	359.4	367.8	376.2	378.3	393.0	412.7	422.6	436.1	463.2
152.5°	381.0	374.7	368.3	374.7	381.0	382.6	395.9	413.7	422.6	434.1	457.3
155°	390.9	386.1	381.4	386.1	390.9	392.1	402.2	415.8	422.6	431.7	450.2
157.5°	400.5	395.8	391.2	395.8	400.5	401.6	408.6	417.9	422.6	429.7	444.0
160°	405.1	401.4	397.9	401.4	405.1	405.9	411.5	418.8	422.6	428.7	440.9
162.5°	409.8	407.2	404.5	407.2	409.8	410.5	414.5	419.9	422.6	427.7	438.0
165°	416.5	414.0	411.7	414.0	416.5	417.1	418.9	421.3	422.6	426.3	433.6
167.5°	420.5	419.4	418.2	419.4	420.5	420.8	422.4	424.4	425.4	427.8	432.7
170°	424.8	423.7	422.6	423.7	424.8	425.1	425.2	425.3	425.4	427.8	432.7
172.5°	425.3	425.1	424.8	425.1	425.3	425.4	425.4	425.4	425.4	427.3	431.2
175°	428.0	428.0	428.0	428.0	428.0	428.0	427.1	426.0	425.4	426.7	429.1
177.5°	428.0	428.0	428.0	428.0	428.0	428.0	427.3	426.5	426.0	426.9	428.9
180°	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0



TEST NUMBER: P934109

CATALOG NUMBER: SQ4-FA-025U-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°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	14.5	19.4	21.8	18.7
92.5°	54.6	52.4	43.8	35.1	43.8	52.4	54.6	77.3	107.7	122.9	107.9
95°	185.3	178.7	152.4	126.1	152.4	178.7	185.3	243.3	320.6	359.4	303.5
97.5°	427.7	415.2	365.2	315.1	365.2	415.2	427.7	464.4	513.3	537.8	444.6
100°	600.7	585.7	526.2	466.5	526.2	585.7	600.7	598.0	594.4	592.6	489.3
102.5°	748.3	735.5	684.4	633.4	684.4	735.5	748.3	701.5	639.3	608.1	503.3
105°	920.6	913.7	886.3	858.9	886.3	913.7	920.6	815.9	676.2	606.4	504.9
107.5°	1010.3	1011.9	1018.6	1025.2	1018.6	1011.9	1010.3	864.1	669.3	571.9	482.4
110°	1033.2	1040.4	1069.0	1097.6	1069.0	1040.4	1033.2	869.9	652.1	543.2	462.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1018.6	1029.6	1073.5	1117.4	1073.5	1029.6	1018.6	851.4	628.6	517.1	445.1
115°	968.9	984.1	1045.0	1105.9	1045.0	984.1	968.9	807.8	593.1	485.7	425.1
117.5°	900.3	917.2	984.7	1052.2	984.7	917.2	900.3	755.0	561.2	464.2	412.7
120°	854.0	870.4	936.0	1001.6	936.0	870.4	854.0	721.2	544.1	455.5	408.4
122.5°	807.7	823.9	888.7	953.4	888.7	823.9	807.7	688.1	528.7	448.9	406.2
125°	746.5	761.5	821.0	880.7	821.0	761.5	746.5	644.9	509.5	441.8	404.5
127.5°	697.4	710.0	760.3	810.6	760.3	710.0	697.4	610.2	493.9	435.7	403.4
130°	666.4	678.1	724.6	771.0	724.6	678.1	666.4	588.8	485.3	433.5	404.0
132.5°	640.0	650.5	692.0	733.6	692.0	650.5	640.0	570.5	477.8	431.4	404.5
135°	602.7	611.6	647.5	683.3	647.5	611.6	602.7	544.4	466.8	428.0	404.1
137.5°	575.0	582.4	611.7	641.2	611.7	582.4	575.0	525.8	460.2	427.4	406.6
140°	553.0	559.8	587.3	614.7	587.3	559.8	553.0	510.4	453.7	425.4	407.0
142.5°	537.5	543.4	567.0	590.6	567.0	543.4	537.5	500.1	450.3	425.4	408.4
145°	514.1	518.6	536.5	554.4	536.5	518.6	514.1	483.6	442.9	422.6	408.4
147.5°	494.6	498.4	513.2	528.0	513.2	498.4	494.6	470.6	438.6	422.6	411.3
150°	483.4	486.4	498.5	510.4	498.5	486.4	483.4	463.2	436.1	422.6	412.7
152.5°	474.6	476.9	485.8	494.9	485.8	476.9	474.6	457.3	434.1	422.6	413.7
155°	463.9	465.5	471.4	477.4	471.4	465.5	463.9	450.2	431.7	422.6	415.8
157.5°	454.7	455.7	460.0	464.2	460.0	455.7	454.7	444.0	429.7	422.6	417.9
160°	450.1	450.7	453.1	455.5	453.1	450.7	450.1	440.9	428.7	422.6	418.8
162.5°	445.8	446.4	448.7	450.9	448.7	446.4	445.8	438.0	427.7	422.6	419.9
165°	439.2	439.8	442.2	444.6	442.2	439.8	439.2	433.6	426.3	422.6	421.3
167.5°	436.3	436.6	437.6	438.6	437.6	436.6	436.3	432.7	427.8	425.4	424.4
170°	436.3	436.3	436.3	436.3	436.3	436.3	436.3	432.7	427.8	425.4	425.3
172.5°	434.0	433.8	432.9	432.0	432.9	433.8	434.0	431.2	427.3	425.4	425.4
175°	430.9	430.9	430.9	430.9	430.9	430.9	430.9	429.1	426.7	425.4	426.0
177.5°	430.3	430.0	429.1	428.0	429.1	430.0	430.3	428.9	426.9	426.0	426.5
180°	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0



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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°	12.6	8.0	7.5	5.2	2.9
92.5°	77.9	55.4	50.6	31.0	11.5
95°	191.8	108.0	99.0	63.3	27.5
97.5°	258.3	118.6	110.8	79.3	47.7
100°	282.6	127.5	120.4	91.8	63.2
102.5°	293.7	136.4	129.7	103.1	76.4
105°	301.9	149.6	144.0	121.4	98.9
107.5°	303.4	169.2	164.0	142.8	121.8
110°	301.1	180.1	175.3	156.3	137.3



TEST NUMBER: P934109

CATALOG NUMBER: SQ4-FA-025U-125D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	301.2	193.3	188.8	170.6	152.6
115°	304.0	213.2	209.0	192.3	175.5
117.5°	309.6	232.4	228.6	213.4	198.2
120°	314.2	243.6	240.1	225.7	211.4
122.5°	320.8	256.8	253.1	238.8	224.4
125°	329.8	273.8	270.5	257.4	244.2
127.5°	338.7	290.1	286.8	273.5	260.2
130°	345.2	301.0	297.5	283.2	268.8
132.5°	350.5	309.9	306.4	292.1	277.8
135°	356.2	320.3	317.0	304.0	291.0
137.5°	364.8	333.5	330.2	317.4	304.5
140°	370.1	342.4	339.5	327.5	315.7
142.5°	374.5	349.0	346.3	335.3	324.3
145°	380.2	359.1	356.7	347.1	337.6
147.5°	388.6	371.7	369.4	360.0	350.8
150°	393.0	378.3	376.2	367.8	359.4
152.5°	395.9	382.6	381.0	374.7	368.3
155°	402.2	392.1	390.9	386.1	381.4
157.5°	408.6	401.6	400.5	395.8	391.2
160°	411.5	405.9	405.1	401.4	397.9
162.5°	414.5	410.5	409.8	407.2	404.5
165°	418.9	417.1	416.5	414.0	411.7
167.5°	422.4	420.8	420.5	419.4	418.2
170°	425.2	425.1	424.8	423.7	422.6
172.5°	425.4	425.4	425.3	425.1	424.8
175°	427.1	428.0	428.0	428.0	428.0
177.5°	427.3	428.0	428.0	428.0	428.0
180°	428.0	428.0	428.0	428.0	428.0



TEST NUMBER: P934109
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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	17.03	18.29	17.64	18.91	19.62	19.88	21.14	20.49	21.76	22.47
	3H	17.53	18.67	18.16	19.30	20.05	21.26	22.39	21.89	23.03	23.77
	4H	17.74	18.81	18.39	19.46	20.22	21.73	22.79	22.37	23.44	24.20
	6H	17.88	18.87	18.54	19.53	20.30	22.04	23.02	22.70	23.68	24.46
	8H	17.89	18.83	18.57	19.51	20.29	22.12	23.06	22.80	23.74	24.52
	12H	17.88	18.77	18.56	19.45	20.25	22.18	23.08	22.86	23.75	24.56
4H	2H	18.11	19.18	18.76	19.83	20.59	20.33	21.40	20.98	22.05	22.81
	3H	19.17	20.06	19.84	20.75	21.53	21.88	22.77	22.54	23.46	24.24
	4H	19.47	20.27	20.15	20.96	21.78	22.43	23.24	23.11	23.93	24.74
	6H	19.61	20.31	20.32	21.03	21.85	22.82	23.52	23.52	24.24	25.06
	8H	19.63	20.28	20.33	21.00	21.83	22.94	23.60	23.65	24.31	25.14
	12H	19.61	20.20	20.34	20.94	21.78	23.02	23.61	23.75	24.35	25.19
8H	4H	19.96	20.61	20.66	21.32	22.16	22.59	23.24	23.29	23.95	24.79
	6H	20.23	20.78	20.97	21.53	22.37	23.04	23.59	23.78	24.34	25.18
	8H	20.28	20.76	21.03	21.52	22.37	23.20	23.69	23.95	24.45	25.30
	12H	20.28	20.71	21.03	21.46	22.37	23.32	23.75	24.07	24.50	25.41
12H	4H	19.98	20.57	20.71	21.31	22.15	22.57	23.16	23.30	23.90	24.73
	6H	20.30	20.78	21.05	21.54	22.39	23.04	23.53	23.79	24.29	25.14
	8H	20.38	20.81	21.13	21.56	22.47	23.23	23.65	23.98	24.40	25.32