

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: P935709

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

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935709
REPORT IS A COMBINATION OF REPORTS P933765 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-125D-830-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

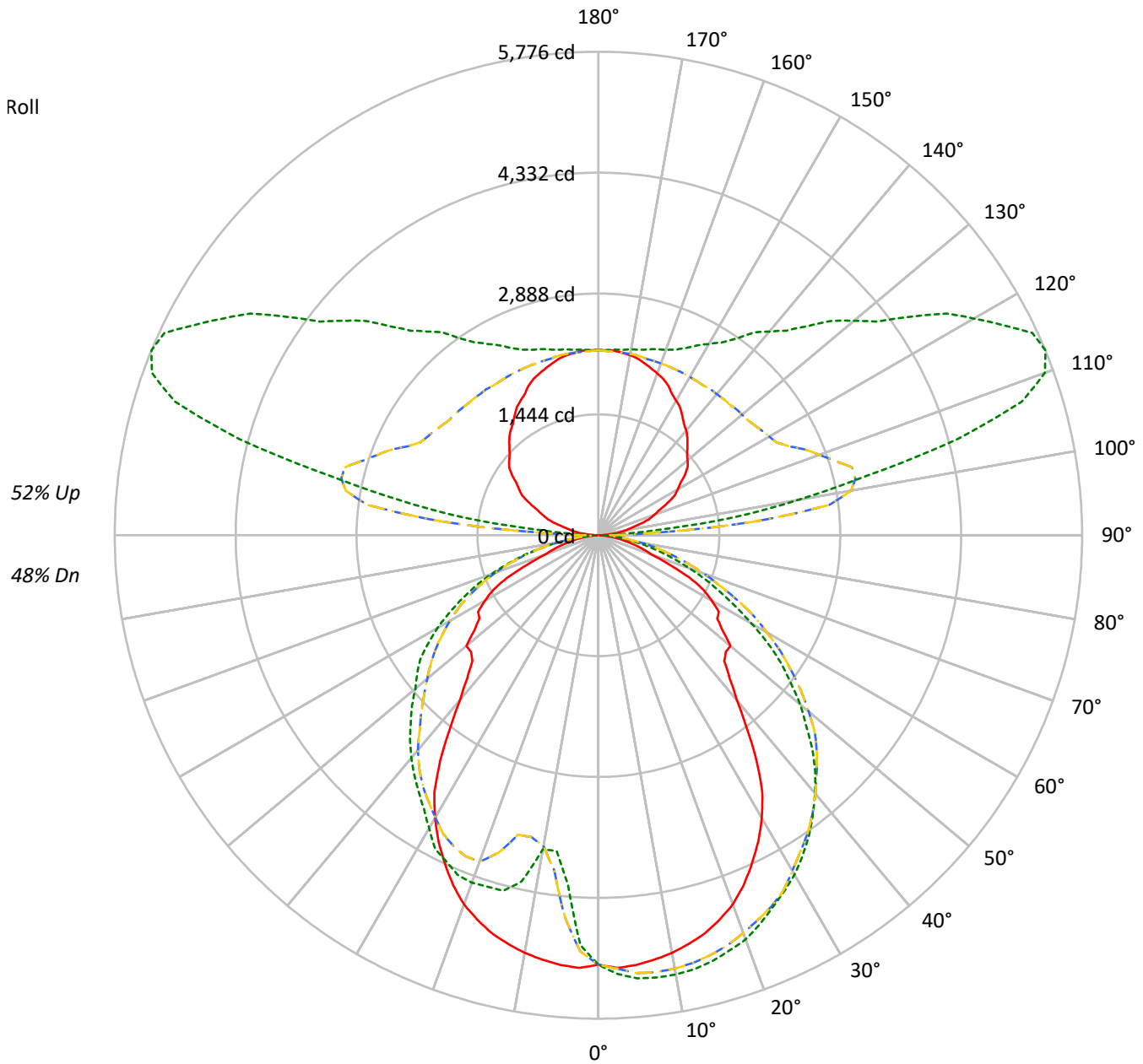
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27652.3 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 225.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



— 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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34	34	34	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29	29	29	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25	25	25	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21	21	21	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19	19
7	58	45	38	32	53	42	35	30	36	31	26	30	26	23	25	22	19	17	17	17	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13	13	13	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12	12	12	12

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	1.7
10°-20°	1314.8	4.8
20°-30°	2032.4	7.3
30°-40°	2426.2	8.8
40°-50°	2440.5	8.8
50°-60°	2123.5	7.7
60°-70°	1505.6	5.4
70°-80°	796.5	2.9
80°-90°	206.8	0.7
90°-100°	1078.5	3.9
100°-110°	2835.5	10.3
110°-120°	2940.1	10.6
120°-130°	2358.3	8.5
130°-140°	1850.4	6.7
140°-150°	1420.3	5.1
150°-160°	1022.8	3.7
160°-170°	625.8	2.3
170°-180°	211.4	0.8
0°-30°	3810.2	13.8
0°-40°	6236.4	22.6
0°-60°	10800.3	39.1
0°-90°	13309.3	48.1
90°-120°	6854.0	24.8
90°-150°	12482.9	45.1
90°-180°	14343.0	51.9
0°-180°	27652.3	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°	15	56	15	56	15	16
95°	142	652	142	652	142	158
105°	511	4440	511	4440	511	542
115°	907	5717	907	5717	907	896
125°	1262	4553	1262	4553	1262	1121
135°	1504	3533	1504	3533	1504	1164
145°	1745	2866	1745	2866	1745	1093
155°	1972	2468	1972	2468	1972	906
165°	2128	2299	2128	2299	2128	601
175°	2213	2227	2213	2227	2213	210
180°	2213	2213	2213	2213	2213	



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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°	14.8	26.7	38.6	41.6	65.3	96.9	112.8	100.3	75.2	56.4	56.4
92.5°	59.4	160.3	261.4	286.6	403.0	558.0	635.5	557.0	399.9	282.1	270.9
95°	142.5	327.3	512.1	558.3	991.4	1568.9	1857.6	1657.6	1257.7	957.8	923.8
97.5°	246.5	409.5	572.5	613.3	1335.4	2298.3	2779.8	2653.4	2400.6	2211.0	2146.3
100°	326.7	474.6	622.4	659.4	1460.7	2529.2	3063.4	3072.7	3091.1	3105.0	3027.9
102.5°	395.0	533.0	670.8	705.3	1518.1	2601.8	3143.6	3304.6	3626.7	3868.3	3802.3
105°	510.8	627.6	744.4	773.7	1560.7	2610.0	3134.6	3495.6	4217.7	4759.2	4723.7
107.5°	629.6	738.5	847.4	874.6	1568.6	2493.9	2956.5	3460.1	4467.1	5222.4	5231.0
110°	709.8	808.1	906.5	931.0	1556.7	2390.9	2808.0	3371.0	4496.8	5341.3	5378.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	788.5	882.2	975.9	999.3	1557.1	2301.0	2672.9	3249.1	4401.3	5265.6	5322.3
115°	907.2	993.7	1080.2	1101.8	1571.6	2197.8	2511.0	3066.1	4176.1	5008.7	5087.4
117.5°	1024.6	1103.1	1181.7	1201.3	1600.7	2133.3	2399.7	2900.6	3902.4	4653.7	4741.0
120°	1092.9	1166.8	1240.8	1259.2	1624.5	2111.6	2355.1	2812.8	3728.2	4414.7	4499.5
122.5°	1159.7	1234.3	1308.9	1327.5	1658.7	2100.2	2321.0	2733.1	3557.4	4175.6	4259.3
125°	1262.2	1330.2	1398.1	1415.2	1704.7	2090.8	2283.8	2633.9	3334.1	3859.3	3936.3
127.5°	1345.4	1414.0	1482.7	1499.8	1750.7	2085.3	2252.6	2553.2	3154.4	3605.4	3670.4
130°	1389.9	1463.8	1537.7	1556.2	1784.4	2088.7	2240.8	2508.4	3043.6	3445.0	3505.1
132.5°	1435.9	1509.8	1583.8	1602.3	1811.6	2090.8	2230.3	2469.9	2949.1	3308.4	3362.3
135°	1504.3	1571.6	1638.9	1655.7	1841.4	2088.9	2212.6	2413.2	2814.5	3115.4	3161.8
137.5°	1574.1	1640.7	1707.3	1724.0	1885.8	2101.7	2209.6	2379.2	2718.4	2972.8	3010.7
140°	1631.9	1693.3	1754.6	1770.0	1913.1	2103.8	2199.2	2345.6	2638.7	2858.4	2893.9
142.5°	1676.4	1733.2	1790.0	1804.2	1935.8	2111.4	2199.2	2327.9	2585.3	2778.3	2808.8
145°	1744.8	1794.3	1843.8	1856.2	1965.5	2111.4	2184.4	2289.6	2500.1	2658.0	2681.1
147.5°	1813.1	1861.2	1909.4	1921.5	2009.1	2126.0	2184.4	2267.2	2432.8	2557.0	2576.1
150°	1857.6	1901.2	1944.8	1955.7	2031.9	2133.5	2184.4	2254.3	2394.2	2499.1	2514.6
152.5°	1903.7	1936.7	1969.7	1978.0	2046.8	2138.5	2184.4	2244.1	2363.5	2453.1	2464.9
155°	1971.9	1996.4	2020.8	2026.9	2079.4	2149.4	2184.4	2231.9	2326.9	2398.1	2405.9
157.5°	2022.5	2046.2	2070.0	2076.0	2112.1	2160.3	2184.4	2221.3	2295.2	2350.6	2356.1
160°	2056.6	2075.1	2093.6	2098.2	2126.9	2165.2	2184.4	2216.0	2279.4	2326.9	2330.1
162.5°	2090.8	2104.6	2118.5	2121.9	2142.8	2170.5	2184.4	2211.1	2264.6	2304.6	2307.6
165°	2127.9	2140.4	2152.9	2156.1	2165.5	2178.1	2184.4	2203.5	2241.7	2270.4	2273.6
167.5°	2162.1	2168.0	2173.9	2175.4	2183.3	2193.9	2199.2	2211.7	2236.8	2255.6	2256.9
170°	2184.4	2190.3	2196.2	2197.7	2198.1	2198.8	2199.2	2211.7	2236.8	2255.6	2255.6
172.5°	2196.2	2197.6	2198.9	2199.2	2199.2	2199.2	2199.2	2209.1	2228.9	2243.7	2242.6
175°	2212.6	2212.6	2212.6	2212.6	2208.1	2202.1	2199.2	2205.5	2218.0	2227.4	2227.4
177.5°	2212.6	2212.6	2212.6	2212.6	2209.1	2204.4	2202.1	2207.1	2217.0	2224.4	2223.1
180°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6



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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°	56.4	56.4	56.4	56.4	56.4	75.2	100.3	112.8	96.9	65.3	41.6
92.5°	226.0	181.2	226.0	270.9	282.1	399.9	557.0	635.5	558.0	403.0	286.6
95°	787.8	651.9	787.8	923.8	957.8	1257.7	1657.6	1857.6	1568.9	991.4	558.3
97.5°	1887.6	1628.9	1887.6	2146.3	2211.0	2400.6	2653.4	2779.8	2298.3	1335.4	613.3
100°	2719.7	2411.5	2719.7	3027.9	3105.0	3091.1	3072.7	3063.4	2529.2	1460.7	659.4
102.5°	3538.3	3274.3	3538.3	3802.3	3868.3	3626.7	3304.6	3143.6	2601.8	1518.1	705.3
105°	4581.8	4440.0	4581.8	4723.7	4759.2	4217.7	3495.6	3134.6	2610.0	1560.7	773.7
107.5°	5265.4	5299.7	5265.4	5231.0	5222.4	4467.1	3460.1	2956.5	2493.9	1568.6	874.6
110°	5526.1	5673.9	5526.1	5378.3	5341.3	4496.8	3371.0	2808.0	2390.9	1556.7	931.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5549.3	5776.3	5549.3	5322.3	5265.6	4401.3	3249.1	2672.9	2301.0	1557.1	999.3
115°	5402.2	5717.0	5402.2	5087.4	5008.7	4176.1	3066.1	2511.0	2197.8	1571.6	1101.8
117.5°	5090.1	5439.3	5090.1	4741.0	4653.7	3902.4	2900.6	2399.7	2133.3	1600.7	1201.3
120°	4838.7	5177.9	4838.7	4499.5	4414.7	3728.2	2812.8	2355.1	2111.6	1624.5	1259.2
122.5°	4593.9	4928.5	4593.9	4259.3	4175.6	3557.4	2733.1	2321.0	2100.2	1658.7	1327.5
125°	4244.5	4552.8	4244.5	3936.3	3859.3	3334.1	2633.9	2283.8	2090.8	1704.7	1415.2
127.5°	3930.4	4190.4	3930.4	3670.4	3605.4	3154.4	2553.2	2252.6	2085.3	1750.7	1499.8
130°	3745.3	3985.6	3745.3	3505.1	3445.0	3043.6	2508.4	2240.8	2088.7	1784.4	1556.2
132.5°	3577.4	3792.5	3577.4	3362.3	3308.4	2949.1	2469.9	2230.3	2090.8	1811.6	1602.3
135°	3347.1	3532.6	3347.1	3161.8	3115.4	2814.5	2413.2	2212.6	2088.9	1841.4	1655.7
137.5°	3162.5	3314.4	3162.5	3010.7	2972.8	2718.4	2379.2	2209.6	2101.7	1885.8	1724.0
140°	3035.9	3177.7	3035.9	2893.9	2858.4	2638.7	2345.6	2199.2	2103.8	1913.1	1770.0
142.5°	2930.9	3053.0	2930.9	2808.8	2778.3	2585.3	2327.9	2199.2	2111.4	1935.8	1804.2
145°	2773.5	2865.9	2773.5	2681.1	2658.0	2500.1	2289.6	2184.4	2111.4	1965.5	1856.2
147.5°	2652.7	2729.3	2652.7	2576.1	2557.0	2432.8	2267.2	2184.4	2126.0	2009.1	1921.5
150°	2576.7	2638.8	2576.7	2514.6	2499.1	2394.2	2254.3	2184.4	2133.5	2031.9	1955.7
152.5°	2511.7	2558.5	2511.7	2464.9	2453.1	2363.5	2244.1	2184.4	2138.5	2046.8	1978.0
155°	2436.9	2467.9	2436.9	2405.9	2398.1	2326.9	2231.9	2184.4	2149.4	2079.4	2026.9
157.5°	2377.9	2399.7	2377.9	2356.1	2350.6	2295.2	2221.3	2184.4	2160.3	2112.1	2076.0
160°	2342.6	2355.1	2342.6	2330.1	2326.9	2279.4	2216.0	2184.4	2165.2	2126.9	2098.2
162.5°	2319.4	2331.3	2319.4	2307.6	2304.6	2264.6	2211.1	2184.4	2170.5	2142.8	2121.9
165°	2286.1	2298.7	2286.1	2273.6	2270.4	2241.7	2203.5	2184.4	2178.1	2165.5	2156.1
167.5°	2262.2	2267.4	2262.2	2256.9	2255.6	2236.8	2211.7	2199.2	2193.9	2183.3	2175.4
170°	2255.6	2255.6	2255.6	2255.6	2255.6	2236.8	2211.7	2199.2	2198.8	2198.1	2197.7
172.5°	2237.9	2233.3	2237.9	2242.6	2243.7	2228.9	2209.1	2199.2	2199.2	2199.2	2199.2
175°	2227.4	2227.4	2227.4	2227.4	2227.4	2218.0	2205.5	2199.2	2202.1	2208.1	2212.6
177.5°	2217.8	2212.6	2217.8	2223.1	2224.4	2217.0	2207.1	2202.1	2204.4	2209.1	2212.6
180°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6



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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°	38.6	26.7	14.8	26.7	38.6	41.6	65.3	96.9	112.8	100.3	75.2
92.5°	261.4	160.3	59.4	160.3	261.4	286.6	403.0	558.0	635.5	557.0	399.9
95°	512.1	327.3	142.5	327.3	512.1	558.3	991.4	1568.9	1857.6	1657.6	1257.7
97.5°	572.5	409.5	246.5	409.5	572.5	613.3	1335.4	2298.3	2779.8	2653.4	2400.6
100°	622.4	474.6	326.7	474.6	622.4	659.4	1460.7	2529.2	3063.4	3072.7	3091.1
102.5°	670.8	533.0	395.0	533.0	670.8	705.3	1518.1	2601.8	3143.6	3304.6	3626.7
105°	744.4	627.6	510.8	627.6	744.4	773.7	1560.7	2610.0	3134.6	3495.6	4217.7
107.5°	847.4	738.5	629.6	738.5	847.4	874.6	1568.6	2493.9	2956.5	3460.1	4467.1
110°	906.5	808.1	709.8	808.1	906.5	931.0	1556.7	2390.9	2808.0	3371.0	4496.8



TEST NUMBER: P935709

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

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	975.9	882.2	788.5	882.2	975.9	999.3	1557.1	2301.0	2672.9	3249.1	4401.3
115°	1080.2	993.7	907.2	993.7	1080.2	1101.8	1571.6	2197.8	2511.0	3066.1	4176.1
117.5°	1181.7	1103.1	1024.6	1103.1	1181.7	1201.3	1600.7	2133.3	2399.7	2900.6	3902.4
120°	1240.8	1166.8	1092.9	1166.8	1240.8	1259.2	1624.5	2111.6	2355.1	2812.8	3728.2
122.5°	1308.9	1234.3	1159.7	1234.3	1308.9	1327.5	1658.7	2100.2	2321.0	2733.1	3557.4
125°	1398.1	1330.2	1262.2	1330.2	1398.1	1415.2	1704.7	2090.8	2283.8	2633.9	3334.1
127.5°	1482.7	1414.0	1345.4	1414.0	1482.7	1499.8	1750.7	2085.3	2252.6	2553.2	3154.4
130°	1537.7	1463.8	1389.9	1463.8	1537.7	1556.2	1784.4	2088.7	2240.8	2508.4	3043.6
132.5°	1583.8	1509.8	1435.9	1509.8	1583.8	1602.3	1811.6	2090.8	2230.3	2469.9	2949.1
135°	1638.9	1571.6	1504.3	1571.6	1638.9	1655.7	1841.4	2088.9	2212.6	2413.2	2814.5
137.5°	1707.3	1640.7	1574.1	1640.7	1707.3	1724.0	1885.8	2101.7	2209.6	2379.2	2718.4
140°	1754.6	1693.3	1631.9	1693.3	1754.6	1770.0	1913.1	2103.8	2199.2	2345.6	2638.7
142.5°	1790.0	1733.2	1676.4	1733.2	1790.0	1804.2	1935.8	2111.4	2199.2	2327.9	2585.3
145°	1843.8	1794.3	1744.8	1794.3	1843.8	1856.2	1965.5	2111.4	2184.4	2289.6	2500.1
147.5°	1909.4	1861.2	1813.1	1861.2	1909.4	1921.5	2009.1	2126.0	2184.4	2267.2	2432.8
150°	1944.8	1901.2	1857.6	1901.2	1944.8	1955.7	2031.9	2133.5	2184.4	2254.3	2394.2
152.5°	1969.7	1936.7	1903.7	1936.7	1969.7	1978.0	2046.8	2138.5	2184.4	2244.1	2363.5
155°	2020.8	1996.4	1971.9	1996.4	2020.8	2026.9	2079.4	2149.4	2184.4	2231.9	2326.9
157.5°	2070.0	2046.2	2022.5	2046.2	2070.0	2076.0	2112.1	2160.3	2184.4	2221.3	2295.2
160°	2093.6	2075.1	2056.6	2075.1	2093.6	2098.2	2126.9	2165.2	2184.4	2216.0	2279.4
162.5°	2118.5	2104.6	2090.8	2104.6	2118.5	2121.9	2142.8	2170.5	2184.4	2211.1	2264.6
165°	2152.9	2140.4	2127.9	2140.4	2152.9	2156.1	2165.5	2178.1	2184.4	2203.5	2241.7
167.5°	2173.9	2168.0	2162.1	2168.0	2173.9	2175.4	2183.3	2193.9	2199.2	2211.7	2236.8
170°	2196.2	2190.3	2184.4	2190.3	2196.2	2197.7	2198.1	2198.8	2199.2	2211.7	2236.8
172.5°	2198.9	2197.6	2196.2	2197.6	2198.9	2199.2	2199.2	2199.2	2199.2	2209.1	2228.9
175°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2208.1	2202.1	2199.2	2205.5	2218.0
177.5°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2209.1	2204.4	2202.1	2207.1	2217.0
180°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6



TEST NUMBER: P935709

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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°	56.4	56.4	56.4	56.4	56.4	56.4	56.4	75.2	100.3	112.8	96.9
92.5°	282.1	270.9	226.0	181.2	226.0	270.9	282.1	399.9	557.0	635.5	558.0
95°	957.8	923.8	787.8	651.9	787.8	923.8	957.8	1257.7	1657.6	1857.6	1568.9
97.5°	2211.0	2146.3	1887.6	1628.9	1887.6	2146.3	2211.0	2400.6	2653.4	2779.8	2298.3
100°	3105.0	3027.9	2719.7	2411.5	2719.7	3027.9	3105.0	3091.1	3072.7	3063.4	2529.2
102.5°	3868.3	3802.3	3538.3	3274.3	3538.3	3802.3	3868.3	3626.7	3304.6	3143.6	2601.8
105°	4759.2	4723.7	4581.8	4440.0	4581.8	4723.7	4759.2	4217.7	3495.6	3134.6	2610.0
107.5°	5222.4	5231.0	5265.4	5299.7	5265.4	5231.0	5222.4	4467.1	3460.1	2956.5	2493.9
110°	5341.3	5378.3	5526.1	5673.9	5526.1	5378.3	5341.3	4496.8	3371.0	2808.0	2390.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5265.6	5322.3	5549.3	5776.3	5549.3	5322.3	5265.6	4401.3	3249.1	2672.9	2301.0
115°	5008.7	5087.4	5402.2	5717.0	5402.2	5087.4	5008.7	4176.1	3066.1	2511.0	2197.8
117.5°	4653.7	4741.0	5090.1	5439.3	5090.1	4741.0	4653.7	3902.4	2900.6	2399.7	2133.3
120°	4414.7	4499.5	4838.7	5177.9	4838.7	4499.5	4414.7	3728.2	2812.8	2355.1	2111.6
122.5°	4175.6	4259.3	4593.9	4928.5	4593.9	4259.3	4175.6	3557.4	2733.1	2321.0	2100.2
125°	3859.3	3936.3	4244.5	4552.8	4244.5	3936.3	3859.3	3334.1	2633.9	2283.8	2090.8
127.5°	3605.4	3670.4	3930.4	4190.4	3930.4	3670.4	3605.4	3154.4	2553.2	2252.6	2085.3
130°	3445.0	3505.1	3745.3	3985.6	3745.3	3505.1	3445.0	3043.6	2508.4	2240.8	2088.7
132.5°	3308.4	3362.3	3577.4	3792.5	3577.4	3362.3	3308.4	2949.1	2469.9	2230.3	2090.8
135°	3115.4	3161.8	3347.1	3532.6	3347.1	3161.8	3115.4	2814.5	2413.2	2212.6	2088.9
137.5°	2972.8	3010.7	3162.5	3314.4	3162.5	3010.7	2972.8	2718.4	2379.2	2209.6	2101.7
140°	2858.4	2893.9	3035.9	3177.7	3035.9	2893.9	2858.4	2638.7	2345.6	2199.2	2103.8
142.5°	2778.3	2808.8	2930.9	3053.0	2930.9	2808.8	2778.3	2585.3	2327.9	2199.2	2111.4
145°	2658.0	2681.1	2773.5	2865.9	2773.5	2681.1	2658.0	2500.1	2289.6	2184.4	2111.4
147.5°	2557.0	2576.1	2652.7	2729.3	2652.7	2576.1	2557.0	2432.8	2267.2	2184.4	2126.0
150°	2499.1	2514.6	2576.7	2638.8	2576.7	2514.6	2499.1	2394.2	2254.3	2184.4	2133.5
152.5°	2453.1	2464.9	2511.7	2558.5	2511.7	2464.9	2453.1	2363.5	2244.1	2184.4	2138.5
155°	2398.1	2405.9	2436.9	2467.9	2436.9	2405.9	2398.1	2326.9	2231.9	2184.4	2149.4
157.5°	2350.6	2356.1	2377.9	2399.7	2377.9	2356.1	2350.6	2295.2	2221.3	2184.4	2160.3
160°	2326.9	2330.1	2342.6	2355.1	2342.6	2330.1	2326.9	2279.4	2216.0	2184.4	2165.2
162.5°	2304.6	2307.6	2319.4	2331.3	2319.4	2307.6	2304.6	2264.6	2211.1	2184.4	2170.5
165°	2270.4	2273.6	2286.1	2298.7	2286.1	2273.6	2270.4	2241.7	2203.5	2184.4	2178.1
167.5°	2255.6	2256.9	2262.2	2267.4	2262.2	2256.9	2255.6	2236.8	2211.7	2199.2	2193.9
170°	2255.6	2255.6	2255.6	2255.6	2255.6	2255.6	2255.6	2236.8	2211.7	2199.2	2198.8
172.5°	2243.7	2242.6	2237.9	2233.3	2237.9	2242.6	2243.7	2228.9	2209.1	2199.2	2199.2
175°	2227.4	2227.4	2227.4	2227.4	2227.4	2227.4	2227.4	2218.0	2205.5	2199.2	2202.1
177.5°	2224.4	2223.1	2217.8	2212.6	2217.8	2223.1	2224.4	2217.0	2207.1	2202.1	2204.4
180°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6



TEST NUMBER: P935709

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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°	65.3	41.6	38.6	26.7	14.8
92.5°	403.0	286.6	261.4	160.3	59.4
95°	991.4	558.3	512.1	327.3	142.5
97.5°	1335.4	613.3	572.5	409.5	246.5
100°	1460.7	659.4	622.4	474.6	326.7
102.5°	1518.1	705.3	670.8	533.0	395.0
105°	1560.7	773.7	744.4	627.6	510.8
107.5°	1568.6	874.6	847.4	738.5	629.6
110°	1556.7	931.0	906.5	808.1	709.8



TEST NUMBER: P935709

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

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1557.1	999.3	975.9	882.2	788.5
115°	1571.6	1101.8	1080.2	993.7	907.2
117.5°	1600.7	1201.3	1181.7	1103.1	1024.6
120°	1624.5	1259.2	1240.8	1166.8	1092.9
122.5°	1658.7	1327.5	1308.9	1234.3	1159.7
125°	1704.7	1415.2	1398.1	1330.2	1262.2
127.5°	1750.7	1499.8	1482.7	1414.0	1345.4
130°	1784.4	1556.2	1537.7	1463.8	1389.9
132.5°	1811.6	1602.3	1583.8	1509.8	1435.9
135°	1841.4	1655.7	1638.9	1571.6	1504.3
137.5°	1885.8	1724.0	1707.3	1640.7	1574.1
140°	1913.1	1770.0	1754.6	1693.3	1631.9
142.5°	1935.8	1804.2	1790.0	1733.2	1676.4
145°	1965.5	1856.2	1843.8	1794.3	1744.8
147.5°	2009.1	1921.5	1909.4	1861.2	1813.1
150°	2031.9	1955.7	1944.8	1901.2	1857.6
152.5°	2046.8	1978.0	1969.7	1936.7	1903.7
155°	2079.4	2026.9	2020.8	1996.4	1971.9
157.5°	2112.1	2076.0	2070.0	2046.2	2022.5
160°	2126.9	2098.2	2093.6	2075.1	2056.6
162.5°	2142.8	2121.9	2118.5	2104.6	2090.8
165°	2165.5	2156.1	2152.9	2140.4	2127.9
167.5°	2183.3	2175.4	2173.9	2168.0	2162.1
170°	2198.1	2197.7	2196.2	2190.3	2184.4
172.5°	2199.2	2199.2	2198.9	2197.6	2196.2
175°	2208.1	2212.6	2212.6	2212.6	2212.6
177.5°	2209.1	2212.6	2212.6	2212.6	2212.6
180°	2212.6	2212.6	2212.6	2212.6	2212.6



TEST NUMBER: P935709
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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.24	15.09	15.21	16.07	17.37	17.09	17.94	18.06	18.92	20.22
	3H	14.72	15.47	15.70	16.47	17.79	18.44	19.20	19.43	20.20	21.51
	4H	14.91	15.62	15.90	16.62	17.95	18.89	19.61	19.89	20.61	21.93
	6H	15.02	15.68	16.03	16.69	18.03	19.18	19.84	20.19	20.84	22.18
	8H	15.02	15.65	16.04	16.67	18.01	19.26	19.88	20.27	20.91	22.24
	12H	15.00	15.59	16.01	16.61	17.97	19.30	19.90	20.32	20.91	22.27
4H	2H	15.28	15.99	16.28	16.99	18.32	17.50	18.21	18.50	19.21	20.54
	3H	16.30	16.90	17.31	17.93	19.27	19.01	19.61	20.02	20.63	21.98
	4H	16.58	17.12	17.60	18.14	19.51	19.54	20.09	20.56	21.11	22.47
	6H	16.70	17.17	17.73	18.21	19.58	19.91	20.38	20.94	21.42	22.79
	8H	16.71	17.14	17.74	18.18	19.56	20.02	20.46	21.05	21.50	22.87
	12H	16.67	17.07	17.72	18.12	19.50	20.08	20.48	21.13	21.53	22.91
8H	4H	17.03	17.47	18.07	18.51	19.88	19.66	20.10	20.70	21.14	22.51
	6H	17.29	17.66	18.35	18.74	20.11	20.10	20.47	21.16	21.55	22.92
	8H	17.34	17.65	18.40	18.72	20.11	20.26	20.58	21.32	21.64	23.03
	12H	17.32	17.60	18.39	18.66	20.09	20.36	20.64	21.43	21.70	23.14
12H	4H	17.04	17.44	18.09	18.49	19.87	19.63	20.02	20.68	21.07	22.46
	6H	17.36	17.67	18.42	18.74	20.13	20.10	20.42	21.17	21.48	22.88
	8H	17.42	17.70	18.49	18.76	20.19	20.27	20.55	21.33	21.60	23.04