

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: P936117

Luminaire Tested: SQ4-FA-150U-125D-840-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936117
REPORT IS A COMBINATION OF REPORTS P933781 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-125D-840-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

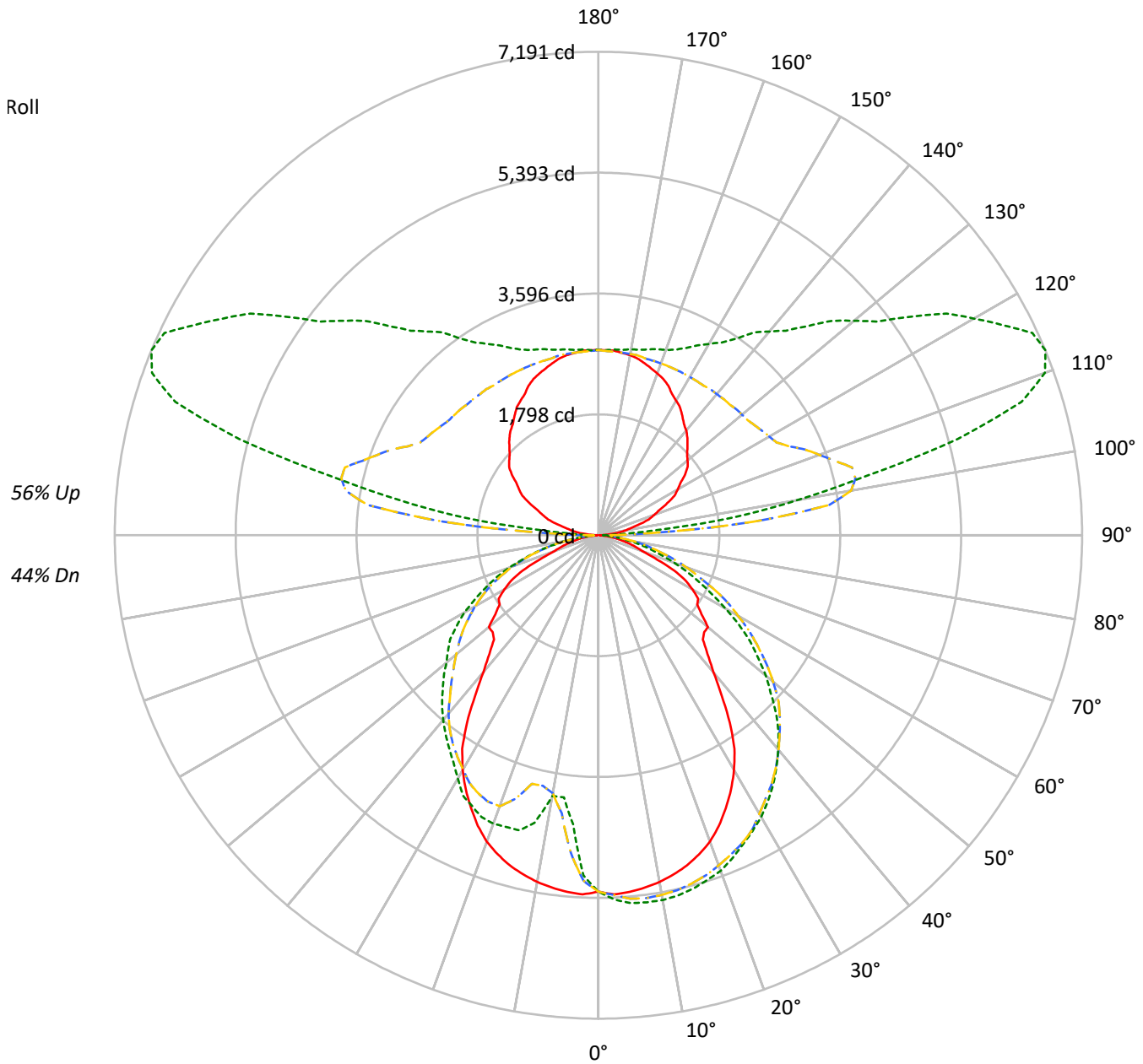
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31613.0 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 249.6
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

TEST NUMBER: P936117
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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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44			44
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37			37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31			31
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26			26
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26	22			22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23	19			19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20	17			17
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18	15			15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13			13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12			12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13	11			11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16398	16398	16398	16398
5°	16526	16553	16526	13016
10°	16422	16306	16422	11657
15°	16250	15952	16250	13321
20°	15917	15534	15917	13348
25°	15227	14923	15227	13065
30°	14334	14417	14334	12445
35°	12785	13776	12785	11762
40°	10659	13021	10659	11246
45°	9530	12138	9530	10653
50°	10133	11084	10133	10058
55°	9542	9950	9542	9714
60°	9849	8450	9849	8897
65°	8944	6985	8944	7808
70°	6208	5567	6208	6545
75°	5465	4115	5465	4927
80°	4436	2720	4436	2962
85°	2599	1441	2599	1225

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14597 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.6	1.5
10°-20°	1358.8	4.3
20°-30°	2100.4	6.6
30°-40°	2507.4	7.9
40°-50°	2522.1	8.0
50°-60°	2194.6	6.9
60°-70°	1556.0	4.9
70°-80°	823.2	2.6
80°-90°	215.5	0.7
90°-100°	1342.7	4.2
100°-110°	3530.0	11.2
110°-120°	3660.2	11.6
120°-130°	2936.0	9.3
130°-140°	2303.7	7.3
140°-150°	1768.2	5.6
150°-160°	1273.4	4.0
160°-170°	779.1	2.5
170°-180°	263.2	0.8
0°-30°	3937.7	12.5
0°-40°	6445.2	20.4
0°-60°	11161.9	35.3
0°-90°	13756.6	43.5
90°-120°	8532.9	27.0
90°-150°	15540.7	49.2
90°-180°	17856.0	56.5
0°-180°	31613.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5302	5302	5302	5302	5302	
5°	5327	5492	5327	4318	5327	505
15°	5086	5442	5086	4544	5086	1431
25°	4479	5076	4479	4444	4479	2057
35°	3406	4529	3406	3867	3406	2107
45°	2197	3732	2197	3275	2197	1760
55°	1791	2754	1791	2688	1791	1645
65°	1244	1660	1244	1856	1244	1189
75°	472	787	472	943	472	496
85°	80	201	80	170	80	108
90°	18	70	18	70	18	19
95°	177	812	177	812	177	197
105°	636	5528	636	5528	636	674
115°	1130	7117	1130	7117	1130	1116
125°	1571	5668	1571	5668	1571	1395
135°	1873	4398	1873	4398	1873	1449
145°	2172	3568	2172	3568	2172	1361
155°	2455	3072	2455	3072	2455	1128
165°	2649	2862	2649	2862	2649	748
175°	2754	2773	2754	2773	2754	261
180°	2754	2754	2754	2754	2754	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6
2.5°	5346.8	5346.8	5376.8	5386.9	5386.9	5371.8	5356.7	5371.8	5416.9	5432.0	5427.0
5°	5326.6	5366.8	5421.9	5432.0	5442.0	5437.0	5427.0	5437.0	5487.2	5497.2	5502.2
7.5°	5286.5	5361.8	5432.0	5447.0	5462.1	5447.0	5442.0	5452.1	5502.2	5512.2	5512.2
10°	5236.4	5341.7	5421.9	5432.0	5447.0	5432.0	5432.0	5452.1	5502.2	5512.2	5517.3
12.5°	5166.2	5311.6	5386.9	5396.9	5416.9	5411.9	5406.9	5427.0	5477.1	5487.2	5487.2
15°	5085.9	5256.5	5326.6	5336.7	5371.8	5361.8	5361.8	5381.8	5437.0	5452.1	5447.0
17.5°	4975.6	5186.2	5266.4	5281.6	5306.5	5301.6	5306.5	5326.6	5376.8	5386.9	5391.8
20°	4850.2	5090.9	5186.2	5201.2	5226.3	5226.3	5226.3	5251.4	5301.6	5321.7	5321.7
22.5°	4679.7	4990.6	5090.9	5100.9	5131.1	5131.1	5141.1	5176.1	5221.3	5226.3	5226.3
25°	4479.0	4880.2	4965.5	4995.6	5025.8	5040.8	5055.8	5075.8	5090.9	5085.9	5090.9
27.5°	4268.4	4739.8	4850.2	4870.2	4910.4	4925.4	4945.4	4950.5	4955.5	4970.5	4960.6
30°	4032.6	4544.2	4709.7	4729.8	4795.0	4805.0	4785.0	4795.0	4820.1	4830.1	4840.1
32.5°	3766.8	4253.3	4564.3	4609.4	4669.6	4639.5	4634.5	4649.5	4689.6	4689.6	4699.7
35°	3405.6	4027.6	4428.8	4468.9	4514.1	4479.0	4499.1	4504.1	4529.2	4544.2	4539.2
37.5°	3009.4	3832.0	4288.4	4318.5	4353.6	4308.5	4338.6	4353.6	4373.7	4363.6	4363.6
40°	2658.3	3526.0	4122.9	4143.0	4173.0	4137.9	4168.1	4178.1	4188.1	4178.1	4173.0
42.5°	2397.5	3190.0	3947.4	3972.5	3952.4	3977.4	3987.5	4007.5	3992.5	3972.5	3972.5
45°	2196.8	3099.7	3756.8	3786.8	3756.8	3796.9	3811.9	3811.9	3766.8	3756.8	3751.7
47.5°	2131.7	2919.1	3566.2	3566.2	3551.1	3601.3	3626.4	3591.2	3546.1	3531.0	3531.0
50°	2126.7	2718.5	3305.4	3285.3	3355.4	3415.7	3390.6	3355.4	3320.4	3265.2	3265.2
52.5°	1931.0	2472.8	2969.2	3044.5	3154.9	3190.0	3149.8	3114.8	3054.5	3029.5	3009.4
55°	1790.6	2217.0	2663.4	2813.8	2929.1	2974.3	2899.1	2863.9	2773.7	2758.6	2748.6
57.5°	1760.5	1845.8	2382.5	2573.0	2713.4	2708.5	2663.4	2598.1	2522.9	2507.8	2502.8
60°	1615.1	1334.2	2081.5	2307.2	2452.7	2437.6	2397.5	2337.3	2267.1	2257.1	2247.0
62.5°	1464.6	968.0	1740.5	1996.3	2201.9	2196.8	2161.7	2071.4	2021.3	1996.3	1976.2
65°	1243.9	812.5	1238.9	1660.2	1956.1	1966.1	1890.9	1825.7	1770.5	1740.5	1735.4
67.5°	948.0	662.1	837.6	1384.3	1720.4	1710.3	1615.1	1584.9	1514.7	1499.7	1469.6
70°	702.2	441.3	581.8	1123.6	1489.6	1464.6	1389.3	1354.3	1289.0	1253.9	1233.8
72.5°	581.8	356.1	426.3	872.7	1253.9	1223.8	1158.6	1118.5	1063.3	1033.3	1013.2
75°	471.5	376.1	326.0	647.0	1018.1	998.1	937.9	897.8	852.6	812.5	817.6
77.5°	346.1	351.1	260.8	476.5	807.5	777.5	742.3	692.2	672.1	632.0	632.0
80°	260.8	275.8	195.6	326.0	581.8	581.8	551.7	516.6	481.6	461.4	461.4
82.5°	175.6	175.6	145.4	205.6	396.3	381.2	361.1	351.1	331.1	321.0	321.0
85°	80.2	100.3	90.3	125.4	215.7	225.7	225.7	215.7	210.6	200.7	205.6
87.5°	25.1	45.2	55.1	70.2	110.4	115.4	120.3	120.3	120.3	125.4	125.4
90°	18.5	33.3	48.1	51.8	81.3	120.7	140.5	124.9	93.7	70.2	70.2
92.5°	73.9	199.6	325.3	356.8	501.6	694.7	791.2	693.4	497.9	351.2	337.3
95°	177.4	407.5	637.6	695.1	1234.3	1953.3	2312.7	2063.7	1565.9	1192.4	1150.1
97.5°	306.9	509.8	712.7	763.5	1662.6	2861.3	3460.7	3303.4	2988.7	2752.7	2672.1
100°	406.7	590.7	774.8	820.8	1818.5	3148.7	3813.8	3825.2	3848.3	3865.6	3769.6
102.5°	491.7	663.4	835.2	878.1	1889.9	3239.1	3913.7	4114.1	4515.1	4815.8	4733.6
105°	636.0	781.4	926.8	963.2	1943.0	3249.3	3902.5	4351.9	5250.8	5924.9	5880.8
107.5°	783.9	919.4	1055.0	1088.9	1952.8	3104.7	3680.7	4307.6	5561.4	6501.7	6512.4
110°	883.7	1006.1	1128.5	1159.1	1938.1	2976.5	3495.8	4196.7	5598.4	6649.6	6695.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	981.7	1098.4	1215.0	1244.2	1938.7	2864.6	3327.6	4044.9	5479.4	6555.4	6626.0
115°	1129.6	1237.2	1344.9	1371.7	1956.5	2736.3	3126.1	3817.1	5199.1	6235.6	6333.6
117.5°	1275.6	1373.3	1471.1	1495.5	1992.8	2655.8	2987.4	3611.0	4858.3	5793.7	5902.4
120°	1360.6	1452.7	1544.6	1567.7	2022.4	2628.8	2932.0	3501.8	4641.3	5496.0	5601.7
122.5°	1443.8	1536.6	1629.5	1652.7	2065.0	2614.6	2889.5	3402.6	4428.8	5198.5	5302.6
125°	1571.4	1656.0	1740.7	1761.8	2122.3	2603.0	2843.3	3279.2	4150.9	4804.6	4900.6
127.5°	1674.9	1760.3	1845.8	1867.1	2179.5	2596.2	2804.4	3178.7	3927.2	4488.6	4569.5
130°	1730.4	1822.4	1914.3	1937.4	2221.4	2600.2	2789.6	3122.8	3789.2	4288.9	4363.7
132.5°	1787.7	1879.7	1971.7	1994.7	2255.3	2602.9	2776.7	3075.0	3671.5	4118.9	4185.9
135°	1872.7	1956.4	2040.3	2061.3	2292.4	2600.5	2754.5	3004.3	3503.8	3878.5	3936.2
137.5°	1959.6	2042.6	2125.6	2146.3	2347.8	2616.4	2750.8	2961.9	3384.3	3701.0	3748.3
140°	2031.7	2108.1	2184.6	2203.6	2381.7	2619.1	2737.8	2920.2	3285.1	3558.7	3602.8
142.5°	2087.2	2157.8	2228.4	2246.1	2410.0	2628.6	2737.8	2898.1	3218.5	3458.9	3496.9
145°	2172.2	2233.9	2295.4	2310.8	2447.0	2628.6	2719.4	2850.4	3112.5	3309.1	3337.9
147.5°	2257.2	2317.2	2377.1	2392.1	2501.2	2646.7	2719.4	2822.5	3028.7	3183.4	3207.2
150°	2312.7	2367.0	2421.2	2434.7	2529.6	2656.1	2719.4	2806.5	2980.7	3111.3	3130.6
152.5°	2370.0	2411.1	2452.1	2462.4	2548.1	2662.3	2719.4	2793.8	2942.5	3054.0	3068.6
155°	2455.1	2485.5	2515.8	2523.5	2588.8	2675.8	2719.4	2778.6	2896.9	2985.6	2995.3
157.5°	2517.9	2547.5	2577.0	2584.4	2629.4	2689.3	2719.4	2765.4	2857.4	2926.5	2933.3
160°	2560.4	2583.4	2606.4	2612.2	2647.9	2695.6	2719.4	2758.8	2837.6	2896.8	2900.8
162.5°	2602.9	2620.2	2637.4	2641.7	2667.6	2702.1	2719.4	2752.7	2819.3	2869.2	2872.8
165°	2649.1	2664.7	2680.3	2684.3	2696.0	2711.6	2719.4	2743.2	2790.8	2826.6	2830.5
167.5°	2691.7	2699.1	2706.4	2708.3	2718.2	2731.3	2737.8	2753.5	2784.7	2808.1	2809.8
170°	2719.4	2726.8	2734.2	2736.1	2736.7	2737.5	2737.8	2753.5	2784.7	2808.1	2808.1
172.5°	2734.2	2735.8	2737.5	2737.8	2737.8	2737.8	2737.8	2750.2	2774.9	2793.4	2791.9
175°	2754.5	2754.5	2754.5	2754.5	2749.0	2741.6	2737.8	2745.7	2761.3	2773.0	2773.0
177.5°	2754.5	2754.5	2754.5	2754.5	2750.2	2744.5	2741.6	2747.7	2760.1	2769.3	2767.6
180°	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6
2.5°	5437.0	5421.9	5437.0	5427.0	5432.0	5416.9	5371.8	5356.7	5371.8	5386.9	5386.9
5°	5502.2	5492.2	5502.2	5502.2	5497.2	5487.2	5437.0	5427.0	5437.0	5442.0	5432.0
7.5°	5522.2	5507.2	5522.2	5512.2	5512.2	5502.2	5452.1	5442.0	5447.0	5462.1	5447.0
10°	5522.2	5507.2	5522.2	5517.3	5512.2	5502.2	5452.1	5432.0	5432.0	5447.0	5432.0
12.5°	5497.2	5487.2	5497.2	5487.2	5487.2	5477.1	5427.0	5406.9	5411.9	5416.9	5396.9
15°	5457.0	5442.0	5457.0	5447.0	5452.1	5437.0	5381.8	5361.8	5361.8	5371.8	5336.7
17.5°	5396.9	5376.8	5396.9	5391.8	5386.9	5376.8	5326.6	5306.5	5301.6	5306.5	5281.6
20°	5326.6	5311.6	5326.6	5321.7	5321.7	5301.6	5251.4	5226.3	5226.3	5226.3	5201.2
22.5°	5216.3	5201.2	5216.3	5226.3	5226.3	5221.3	5176.1	5141.1	5131.1	5131.1	5100.9
25°	5090.9	5075.8	5090.9	5090.9	5085.9	5090.9	5075.8	5055.8	5040.8	5025.8	4995.6
27.5°	4970.5	4960.6	4970.5	4960.6	4970.5	4955.5	4950.5	4945.4	4925.4	4910.4	4870.2
30°	4850.2	4840.1	4850.2	4840.1	4830.1	4820.1	4795.0	4785.0	4805.0	4795.0	4729.8
32.5°	4699.7	4689.6	4699.7	4699.7	4689.6	4689.6	4649.5	4634.5	4639.5	4669.6	4609.4
35°	4544.2	4529.2	4544.2	4539.2	4544.2	4529.2	4504.1	4499.1	4479.0	4514.1	4468.9
37.5°	4363.6	4348.6	4363.6	4363.6	4363.6	4373.7	4353.6	4338.6	4308.5	4353.6	4318.5
40°	4178.1	4158.0	4178.1	4173.0	4178.1	4188.1	4178.1	4168.1	4137.9	4173.0	4143.0
42.5°	3967.4	3962.4	3967.4	3972.5	3972.5	3992.5	4007.5	3987.5	3977.4	3952.4	3972.5
45°	3741.7	3731.7	3741.7	3751.7	3756.8	3766.8	3811.9	3811.9	3796.9	3756.8	3786.8
47.5°	3501.0	3475.9	3501.0	3531.0	3531.0	3546.1	3591.2	3626.4	3601.3	3551.1	3566.2
50°	3245.2	3250.1	3245.2	3265.2	3265.2	3320.4	3355.4	3390.6	3415.7	3355.4	3285.3
52.5°	2994.3	2989.4	2994.3	3009.4	3029.5	3054.5	3114.8	3149.8	3190.0	3154.9	3044.5
55°	2743.6	2753.7	2743.6	2748.6	2758.6	2773.7	2863.9	2899.1	2974.3	2929.1	2813.8
57.5°	2492.8	2477.7	2492.8	2502.8	2507.8	2522.9	2598.1	2663.4	2708.5	2713.4	2573.0
60°	2201.9	2181.8	2201.9	2247.0	2257.1	2267.1	2337.3	2397.5	2437.6	2452.7	2307.2
62.5°	1946.1	1911.0	1946.1	1976.2	1996.3	2021.3	2071.4	2161.7	2196.8	2201.9	1996.3
65°	1675.3	1660.2	1675.3	1735.4	1740.5	1770.5	1825.7	1890.9	1966.1	1956.1	1660.2
67.5°	1429.4	1429.4	1429.4	1469.6	1499.7	1514.7	1584.9	1615.1	1710.3	1720.4	1384.3
70°	1203.8	1198.7	1203.8	1233.8	1253.9	1289.0	1354.3	1389.3	1464.6	1489.6	1123.6
72.5°	988.1	983.1	988.1	1013.2	1033.3	1063.3	1118.5	1158.6	1223.8	1253.9	872.7
75°	797.5	787.4	797.5	817.6	812.5	852.6	897.8	937.9	998.1	1018.1	647.0
77.5°	611.9	611.9	611.9	632.0	632.0	672.1	692.2	742.3	777.5	807.5	476.5
80°	456.5	451.4	456.5	461.4	461.4	481.6	516.6	551.7	581.8	581.8	326.0
82.5°	321.0	310.9	321.0	321.0	321.0	331.1	351.1	361.1	381.2	396.3	205.6
85°	200.7	200.7	200.7	205.6	200.7	210.6	215.7	225.7	225.7	215.7	125.4
87.5°	130.4	125.4	130.4	125.4	125.4	120.3	120.3	120.3	115.4	110.4	70.2
90°	70.2	70.2	70.2	70.2	70.2	93.7	124.9	140.5	120.7	81.3	51.8
92.5°	281.4	225.6	281.4	337.3	351.2	497.9	693.4	791.2	694.7	501.6	356.8
95°	980.8	811.5	980.8	1150.1	1192.4	1565.9	2063.7	2312.7	1953.3	1234.3	695.1
97.5°	2350.1	2028.0	2350.1	2672.1	2752.7	2988.7	3303.4	3460.7	2861.3	1662.6	763.5
100°	3386.0	3002.2	3386.0	3769.6	3865.6	3848.3	3825.2	3813.8	3148.7	1818.5	820.8
102.5°	4405.0	4076.3	4405.0	4733.6	4815.8	4515.1	4114.1	3913.7	3239.1	1889.9	878.1
105°	5704.2	5527.6	5704.2	5880.8	5924.9	5250.8	4351.9	3902.5	3249.3	1943.0	963.2
107.5°	6555.2	6597.9	6555.2	6512.4	6501.7	5561.4	4307.6	3680.7	3104.7	1952.8	1088.9
110°	6879.7	7063.8	6879.7	6695.7	6649.6	5598.4	4196.7	3495.8	2976.5	1938.1	1159.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6908.7	7191.4	6908.7	6626.0	6555.4	5479.4	4044.9	3327.6	2864.6	1938.7	1244.2
115°	6725.4	7117.4	6725.4	6333.6	6235.6	5199.1	3817.1	3126.1	2736.3	1956.5	1371.7
117.5°	6337.0	6771.7	6337.0	5902.4	5793.7	4858.3	3611.0	2987.4	2655.8	1992.8	1495.5
120°	6023.9	6446.3	6023.9	5601.7	5496.0	4641.3	3501.8	2932.0	2628.8	2022.4	1567.7
122.5°	5719.2	6135.8	5719.2	5302.6	5198.5	4428.8	3402.6	2889.5	2614.6	2065.0	1652.7
125°	5284.3	5668.1	5284.3	4900.6	4804.6	4150.9	3279.2	2843.3	2603.0	2122.3	1761.8
127.5°	4893.3	5216.9	4893.3	4569.5	4488.6	3927.2	3178.7	2804.4	2596.2	2179.5	1867.1
130°	4662.8	4961.8	4662.8	4363.7	4288.9	3789.2	3122.8	2789.6	2600.2	2221.4	1937.4
132.5°	4453.6	4721.5	4453.6	4185.9	4118.9	3671.5	3075.0	2776.7	2602.9	2255.3	1994.7
135°	4167.1	4398.0	4167.1	3936.2	3878.5	3503.8	3004.3	2754.5	2600.5	2292.4	2061.3
137.5°	3937.3	4126.2	3937.3	3748.3	3701.0	3384.3	2961.9	2750.8	2616.4	2347.8	2146.3
140°	3779.5	3956.1	3779.5	3602.8	3558.7	3285.1	2920.2	2737.8	2619.1	2381.7	2203.6
142.5°	3648.9	3800.8	3648.9	3496.9	3458.9	3218.5	2898.1	2737.8	2628.6	2410.0	2246.1
145°	3453.0	3568.0	3453.0	3337.9	3309.1	3112.5	2850.4	2719.4	2628.6	2447.0	2310.8
147.5°	3302.6	3397.8	3302.6	3207.2	3183.4	3028.7	2822.5	2719.4	2646.7	2501.2	2392.1
150°	3207.8	3285.1	3207.8	3130.6	3111.3	2980.7	2806.5	2719.4	2656.1	2529.6	2434.7
152.5°	3126.9	3185.2	3126.9	3068.6	3054.0	2942.5	2793.8	2719.4	2662.3	2548.1	2462.4
155°	3033.9	3072.5	3033.9	2995.3	2985.6	2896.9	2778.6	2719.4	2675.8	2588.8	2523.5
157.5°	2960.3	2987.4	2960.3	2933.3	2926.5	2857.4	2765.4	2719.4	2689.3	2629.4	2584.4
160°	2916.4	2932.0	2916.4	2900.8	2896.8	2837.6	2758.8	2719.4	2695.6	2647.9	2612.2
162.5°	2887.6	2902.4	2887.6	2872.8	2869.2	2819.3	2752.7	2719.4	2702.1	2667.6	2641.7
165°	2846.1	2861.7	2846.1	2830.5	2826.6	2790.8	2743.2	2719.4	2711.6	2696.0	2684.3
167.5°	2816.3	2822.9	2816.3	2809.8	2808.1	2784.7	2753.5	2737.8	2731.3	2718.2	2708.3
170°	2808.1	2808.1	2808.1	2808.1	2808.1	2784.7	2753.5	2737.8	2737.5	2736.7	2736.1
172.5°	2786.2	2780.4	2786.2	2791.9	2793.4	2774.9	2750.2	2737.8	2737.8	2737.8	2737.8
175°	2773.0	2773.0	2773.0	2773.0	2773.0	2761.3	2745.7	2737.8	2741.6	2749.0	2754.5
177.5°	2761.1	2754.5	2761.1	2767.6	2769.3	2760.1	2747.7	2741.6	2744.5	2750.2	2754.5
180°	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6
2.5°	5376.8	5346.8	5346.8	5296.6	5276.5	5261.5	5236.4	5161.1	5141.1	5121.0	5151.1
5°	5421.9	5366.8	5326.6	5236.4	5161.1	5131.1	5035.7	4855.1	4734.8	4644.5	4594.4
7.5°	5432.0	5361.8	5286.5	5146.1	4965.5	4885.3	4594.4	4263.3	4173.0	4092.8	4042.6
10°	5421.9	5341.7	5236.4	5025.8	4599.3	4458.9	4168.1	3952.4	3897.2	3882.1	3897.2
12.5°	5386.9	5311.6	5166.2	4815.0	4218.2	4122.9	3952.4	3826.9	3816.9	3842.0	3977.4
15°	5326.6	5256.5	5085.9	4534.1	4007.5	3937.3	3816.9	3771.8	3826.9	4002.5	4408.8
17.5°	5266.4	5186.2	4975.6	4258.3	3847.1	3796.9	3711.6	3801.9	4112.8	4348.6	4484.0
20°	5186.2	5090.9	4850.2	4057.7	3731.7	3686.5	3646.4	4052.7	4288.4	4373.7	4448.9
22.5°	5090.9	4990.6	4679.7	3917.2	3611.3	3576.2	3601.3	4193.1	4288.4	4348.6	4413.8
25°	4965.5	4880.2	4479.0	3806.9	3516.0	3475.9	3571.1	4178.1	4233.2	4248.3	4378.7
27.5°	4850.2	4739.8	4268.4	3706.6	3400.6	3385.6	3596.2	4112.8	4153.0	4168.1	4308.5
30°	4709.7	4544.2	4032.6	3601.3	3280.3	3275.2	3601.3	4032.6	4022.5	4062.7	4203.1
32.5°	4564.3	4253.3	3766.8	3470.8	3164.9	3159.9	3566.2	3912.2	3902.2	3957.3	4062.7
35°	4428.8	4027.6	3405.6	3320.4	3019.4	3024.5	3480.9	3771.8	3776.8	3826.9	3892.1
37.5°	4288.4	3832.0	3009.4	3154.9	2879.0	2879.0	3365.5	3641.4	3631.4	3646.4	3736.7
40°	4122.9	3526.0	2658.3	2939.2	2748.6	2733.5	3225.1	3501.0	3465.8	3460.9	3586.2
42.5°	3947.4	3190.0	2397.5	2653.3	2598.1	2578.1	3054.5	3330.4	3265.2	3280.3	3440.7
45°	3756.8	3099.7	2196.8	2242.0	2442.6	2427.6	2869.0	3134.8	3089.7	3129.8	3295.3
47.5°	3566.2	2919.1	2131.7	1860.8	2277.1	2272.1	2663.4	2944.2	2919.1	2959.3	3134.8
50°	3305.4	2718.5	2126.7	1595.0	2091.5	2111.6	2417.5	2758.6	2758.6	2793.8	2979.3
52.5°	2969.2	2472.8	1931.0	1444.6	1875.8	1936.1	2201.9	2598.1	2608.1	2643.3	2808.8
55°	2663.4	2217.0	1790.6	1329.2	1620.0	1750.4	1991.2	2432.6	2452.7	2487.8	2638.3
57.5°	2382.5	1845.8	1760.5	1193.7	1384.3	1509.8	1805.7	2272.1	2282.2	2312.2	2457.6
60°	2081.5	1334.2	1615.1	1048.3	1178.7	1274.0	1635.1	2081.5	2116.6	2136.6	2262.0
62.5°	1740.5	968.0	1464.6	948.0	1078.4	1098.5	1494.6	1900.9	1946.1	1961.1	2036.4
65°	1238.9	812.5	1243.9	862.7	973.1	978.0	1344.2	1715.4	1755.5	1780.6	1835.7
67.5°	837.6	662.1	948.0	782.4	892.8	897.8	1198.7	1499.7	1554.8	1575.0	1610.0
70°	581.8	441.3	702.2	697.1	802.6	812.5	1043.2	1304.1	1354.3	1369.3	1389.3
72.5°	426.3	356.1	581.8	627.0	707.2	717.3	882.8	1083.3	1133.5	1148.6	1158.6
75°	326.0	376.1	471.5	546.7	601.9	606.9	722.2	882.8	917.9	927.9	932.9
77.5°	260.8	351.1	346.1	441.3	491.5	481.6	566.8	682.1	712.2	712.2	712.2
80°	195.6	275.8	260.8	316.0	361.1	351.1	406.3	486.5	496.6	506.5	501.6
82.5°	145.4	175.6	175.6	200.7	240.8	230.7	270.8	316.0	316.0	316.0	326.0
85°	90.3	100.3	80.2	105.3	135.5	130.4	150.5	170.5	175.6	175.6	165.5
87.5°	55.1	45.2	25.1	40.1	60.2	60.2	70.2	75.2	70.2	70.2	70.2
90°	48.1	33.3	18.5	33.3	48.1	51.8	81.3	120.7	140.5	124.9	93.7
92.5°	325.3	199.6	73.9	199.6	325.3	356.8	501.6	694.7	791.2	693.4	497.9
95°	637.6	407.5	177.4	407.5	637.6	695.1	1234.3	1953.3	2312.7	2063.7	1565.9
97.5°	712.7	509.8	306.9	509.8	712.7	763.5	1662.6	2861.3	3460.7	3303.4	2988.7
100°	774.8	590.7	406.7	590.7	774.8	820.8	1818.5	3148.7	3813.8	3825.2	3848.3
102.5°	835.2	663.4	491.7	663.4	835.2	878.1	1889.9	3239.1	3913.7	4114.1	4515.1
105°	926.8	781.4	636.0	781.4	926.8	963.2	1943.0	3249.3	3902.5	4351.9	5250.8
107.5°	1055.0	919.4	783.9	919.4	1055.0	1088.9	1952.8	3104.7	3680.7	4307.6	5561.4
110°	1128.5	1006.1	883.7	1006.1	1128.5	1159.1	1938.1	2976.5	3495.8	4196.7	5598.4



TEST NUMBER: P936117

CATALOG NUMBER: SQ4-FA-150U-125D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1215.0	1098.4	981.7	1098.4	1215.0	1244.2	1938.7	2864.6	3327.6	4044.9	5479.4
115°	1344.9	1237.2	1129.6	1237.2	1344.9	1371.7	1956.5	2736.3	3126.1	3817.1	5199.1
117.5°	1471.1	1373.3	1275.6	1373.3	1471.1	1495.5	1992.8	2655.8	2987.4	3611.0	4858.3
120°	1544.6	1452.7	1360.6	1452.7	1544.6	1567.7	2022.4	2628.8	2932.0	3501.8	4641.3
122.5°	1629.5	1536.6	1443.8	1536.6	1629.5	1652.7	2065.0	2614.6	2889.5	3402.6	4428.8
125°	1740.7	1656.0	1571.4	1656.0	1740.7	1761.8	2122.3	2603.0	2843.3	3279.2	4150.9
127.5°	1845.8	1760.3	1674.9	1760.3	1845.8	1867.1	2179.5	2596.2	2804.4	3178.7	3927.2
130°	1914.3	1822.4	1730.4	1822.4	1914.3	1937.4	2221.4	2600.2	2789.6	3122.8	3789.2
132.5°	1971.7	1879.7	1787.7	1879.7	1971.7	1994.7	2255.3	2602.9	2776.7	3075.0	3671.5
135°	2040.3	1956.4	1872.7	1956.4	2040.3	2061.3	2292.4	2600.5	2754.5	3004.3	3503.8
137.5°	2125.6	2042.6	1959.6	2042.6	2125.6	2146.3	2347.8	2616.4	2750.8	2961.9	3384.3
140°	2184.6	2108.1	2031.7	2108.1	2184.6	2203.6	2381.7	2619.1	2737.8	2920.2	3285.1
142.5°	2228.4	2157.8	2087.2	2157.8	2228.4	2246.1	2410.0	2628.6	2737.8	2898.1	3218.5
145°	2295.4	2233.9	2172.2	2233.9	2295.4	2310.8	2447.0	2628.6	2719.4	2850.4	3112.5
147.5°	2377.1	2317.2	2257.2	2317.2	2377.1	2392.1	2501.2	2646.7	2719.4	2822.5	3028.7
150°	2421.2	2367.0	2312.7	2367.0	2421.2	2434.7	2529.6	2656.1	2719.4	2806.5	2980.7
152.5°	2452.1	2411.1	2370.0	2411.1	2452.1	2462.4	2548.1	2662.3	2719.4	2793.8	2942.5
155°	2515.8	2485.5	2455.1	2485.5	2515.8	2523.5	2588.8	2675.8	2719.4	2778.6	2896.9
157.5°	2577.0	2547.5	2517.9	2547.5	2577.0	2584.4	2629.4	2689.3	2719.4	2765.4	2857.4
160°	2606.4	2583.4	2560.4	2583.4	2606.4	2612.2	2647.9	2695.6	2719.4	2758.8	2837.6
162.5°	2637.4	2620.2	2602.9	2620.2	2637.4	2641.7	2667.6	2702.1	2719.4	2752.7	2819.3
165°	2680.3	2664.7	2649.1	2664.7	2680.3	2684.3	2696.0	2711.6	2719.4	2743.2	2790.8
167.5°	2706.4	2699.1	2691.7	2699.1	2706.4	2708.3	2718.2	2731.3	2737.8	2753.5	2784.7
170°	2734.2	2726.8	2719.4	2726.8	2734.2	2736.1	2736.7	2737.5	2737.8	2753.5	2784.7
172.5°	2737.5	2735.8	2734.2	2735.8	2737.5	2737.8	2737.8	2737.8	2737.8	2750.2	2774.9
175°	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2749.0	2741.6	2737.8	2745.7	2761.3
177.5°	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2750.2	2744.5	2741.6	2747.7	2760.1
180°	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5



TEST NUMBER: P936117

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6
2.5°	5116.0	5100.9	5121.0	5065.9	5121.0	5100.9	5116.0	5151.1	5121.0	5141.1	5161.1
5°	4489.1	4464.0	4383.7	4318.5	4383.7	4464.0	4489.1	4594.4	4644.5	4734.8	4855.1
7.5°	4012.6	3992.5	3972.5	3932.3	3972.5	3992.5	4012.6	4042.6	4092.8	4173.0	4263.3
10°	3907.2	3912.2	3942.3	3937.3	3942.3	3912.2	3907.2	3897.2	3882.1	3897.2	3952.4
12.5°	4178.1	4223.2	4388.7	4378.7	4388.7	4223.2	4178.1	3977.4	3842.0	3816.9	3826.9
15°	4489.1	4504.1	4539.2	4544.2	4539.2	4504.1	4489.1	4408.8	4002.5	3826.9	3771.8
17.5°	4519.1	4524.2	4549.2	4549.2	4549.2	4524.2	4519.1	4484.0	4348.6	4112.8	3801.9
20°	4494.0	4504.1	4554.3	4564.3	4554.3	4504.1	4494.0	4448.9	4373.7	4288.4	4052.7
22.5°	4484.0	4504.1	4544.2	4539.2	4544.2	4504.1	4484.0	4413.8	4348.6	4288.4	4193.1
25°	4433.8	4433.8	4438.9	4443.9	4438.9	4433.8	4433.8	4378.7	4248.3	4233.2	4178.1
27.5°	4328.5	4338.6	4368.6	4363.6	4368.6	4338.6	4328.5	4308.5	4168.1	4153.0	4112.8
30°	4233.2	4223.2	4198.1	4178.1	4198.1	4223.2	4233.2	4203.1	4062.7	4022.5	4032.6
32.5°	4072.7	4047.6	4022.5	4007.5	4022.5	4047.6	4072.7	4062.7	3957.3	3902.2	3912.2
35°	3882.1	3887.2	3882.1	3867.1	3882.1	3887.2	3882.1	3892.1	3826.9	3776.8	3771.8
37.5°	3746.7	3756.8	3751.7	3731.7	3751.7	3756.8	3746.7	3736.7	3646.4	3631.4	3641.4
40°	3606.3	3611.3	3606.3	3591.2	3606.3	3611.3	3606.3	3586.2	3460.9	3465.8	3501.0
42.5°	3470.8	3465.8	3450.8	3440.7	3450.8	3465.8	3470.8	3440.7	3280.3	3265.2	3330.4
45°	3315.3	3320.4	3290.2	3275.2	3290.2	3320.4	3315.3	3295.3	3129.8	3089.7	3134.8
47.5°	3159.9	3159.9	3134.8	3119.7	3134.8	3159.9	3159.9	3134.8	2959.3	2919.1	2944.2
50°	2994.3	2989.4	2954.2	2949.2	2954.2	2989.4	2994.3	2979.3	2793.8	2758.6	2758.6
52.5°	2803.7	2803.7	2808.8	2818.8	2808.8	2803.7	2803.7	2808.8	2643.3	2608.1	2598.1
55°	2638.3	2643.3	2678.4	2688.4	2678.4	2643.3	2638.3	2638.3	2487.8	2452.7	2432.6
57.5°	2467.7	2467.7	2492.8	2492.8	2492.8	2467.7	2467.7	2457.6	2312.2	2282.2	2272.1
60°	2272.1	2282.2	2302.2	2297.2	2302.2	2282.2	2272.1	2262.0	2136.6	2116.6	2081.5
62.5°	2066.5	2076.5	2081.5	2071.4	2081.5	2076.5	2066.5	2036.4	1961.1	1946.1	1900.9
65°	1850.8	1860.8	1865.8	1855.8	1865.8	1860.8	1850.8	1835.7	1780.6	1755.5	1715.4
67.5°	1630.1	1625.1	1620.0	1640.1	1620.0	1625.1	1630.1	1610.0	1575.0	1554.8	1499.7
70°	1404.3	1404.3	1399.4	1409.4	1399.4	1404.3	1404.3	1389.3	1369.3	1354.3	1304.1
72.5°	1163.7	1158.6	1178.7	1163.7	1178.7	1158.6	1163.7	1158.6	1148.6	1133.5	1083.3
75°	927.9	937.9	927.9	942.9	927.9	937.9	927.9	932.9	927.9	917.9	882.8
77.5°	707.2	717.3	707.2	707.2	707.2	717.3	707.2	712.2	712.2	712.2	682.1
80°	501.6	496.6	496.6	491.5	496.6	496.6	501.6	501.6	506.5	496.6	486.5
82.5°	321.0	316.0	316.0	326.0	316.0	316.0	321.0	326.0	316.0	316.0	316.0
85°	175.6	180.6	170.5	170.5	170.5	180.6	175.6	165.5	175.6	175.6	170.5
87.5°	65.2	60.2	60.2	60.2	60.2	60.2	65.2	70.2	70.2	70.2	75.2
90°	70.2	70.2	70.2	70.2	70.2	70.2	70.2	93.7	124.9	140.5	120.7
92.5°	351.2	337.3	281.4	225.6	281.4	337.3	351.2	497.9	693.4	791.2	694.7
95°	1192.4	1150.1	980.8	811.5	980.8	1150.1	1192.4	1565.9	2063.7	2312.7	1953.3
97.5°	2752.7	2672.1	2350.1	2028.0	2350.1	2672.1	2752.7	2988.7	3303.4	3460.7	2861.3
100°	3865.6	3769.6	3386.0	3002.2	3386.0	3769.6	3865.6	3848.3	3825.2	3813.8	3148.7
102.5°	4815.8	4733.6	4405.0	4076.3	4405.0	4733.6	4815.8	4515.1	4114.1	3913.7	3239.1
105°	5924.9	5880.8	5704.2	5527.6	5704.2	5880.8	5924.9	5250.8	4351.9	3902.5	3249.3
107.5°	6501.7	6512.4	6555.2	6597.9	6555.2	6512.4	6501.7	5561.4	4307.6	3680.7	3104.7
110°	6649.6	6695.7	6879.7	7063.8	6879.7	6695.7	6649.6	5598.4	4196.7	3495.8	2976.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6555.4	6626.0	6908.7	7191.4	6908.7	6626.0	6555.4	5479.4	4044.9	3327.6	2864.6
115°	6235.6	6333.6	6725.4	7117.4	6725.4	6333.6	6235.6	5199.1	3817.1	3126.1	2736.3
117.5°	5793.7	5902.4	6337.0	6771.7	6337.0	5902.4	5793.7	4858.3	3611.0	2987.4	2655.8
120°	5496.0	5601.7	6023.9	6446.3	6023.9	5601.7	5496.0	4641.3	3501.8	2932.0	2628.8
122.5°	5198.5	5302.6	5719.2	6135.8	5719.2	5302.6	5198.5	4428.8	3402.6	2889.5	2614.6
125°	4804.6	4900.6	5284.3	5668.1	5284.3	4900.6	4804.6	4150.9	3279.2	2843.3	2603.0
127.5°	4488.6	4569.5	4893.3	5216.9	4893.3	4569.5	4488.6	3927.2	3178.7	2804.4	2596.2
130°	4288.9	4363.7	4662.8	4961.8	4662.8	4363.7	4288.9	3789.2	3122.8	2789.6	2600.2
132.5°	4118.9	4185.9	4453.6	4721.5	4453.6	4185.9	4118.9	3671.5	3075.0	2776.7	2602.9
135°	3878.5	3936.2	4167.1	4398.0	4167.1	3936.2	3878.5	3503.8	3004.3	2754.5	2600.5
137.5°	3701.0	3748.3	3937.3	4126.2	3937.3	3748.3	3701.0	3384.3	2961.9	2750.8	2616.4
140°	3558.7	3602.8	3779.5	3956.1	3779.5	3602.8	3558.7	3285.1	2920.2	2737.8	2619.1
142.5°	3458.9	3496.9	3648.9	3800.8	3648.9	3496.9	3458.9	3218.5	2898.1	2737.8	2628.6
145°	3309.1	3337.9	3453.0	3568.0	3453.0	3337.9	3309.1	3112.5	2850.4	2719.4	2628.6
147.5°	3183.4	3207.2	3302.6	3397.8	3302.6	3207.2	3183.4	3028.7	2822.5	2719.4	2646.7
150°	3111.3	3130.6	3207.8	3285.1	3207.8	3130.6	3111.3	2980.7	2806.5	2719.4	2656.1
152.5°	3054.0	3068.6	3126.9	3185.2	3126.9	3068.6	3054.0	2942.5	2793.8	2719.4	2662.3
155°	2985.6	2995.3	3033.9	3072.5	3033.9	2995.3	2985.6	2896.9	2778.6	2719.4	2675.8
157.5°	2926.5	2933.3	2960.3	2987.4	2960.3	2933.3	2926.5	2857.4	2765.4	2719.4	2689.3
160°	2896.8	2900.8	2916.4	2932.0	2916.4	2900.8	2896.8	2837.6	2758.8	2719.4	2695.6
162.5°	2869.2	2872.8	2887.6	2902.4	2887.6	2872.8	2869.2	2819.3	2752.7	2719.4	2702.1
165°	2826.6	2830.5	2846.1	2861.7	2846.1	2830.5	2826.6	2790.8	2743.2	2719.4	2711.6
167.5°	2808.1	2809.8	2816.3	2822.9	2816.3	2809.8	2808.1	2784.7	2753.5	2737.8	2731.3
170°	2808.1	2808.1	2808.1	2808.1	2808.1	2808.1	2808.1	2784.7	2753.5	2737.8	2737.5
172.5°	2793.4	2791.9	2786.2	2780.4	2786.2	2791.9	2793.4	2774.9	2750.2	2737.8	2737.8
175°	2773.0	2773.0	2773.0	2773.0	2773.0	2773.0	2773.0	2761.3	2745.7	2737.8	2741.6
177.5°	2769.3	2767.6	2761.1	2754.5	2761.1	2767.6	2769.3	2760.1	2747.7	2741.6	2744.5
180°	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5



TEST NUMBER: P936117

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5301.6	5301.6	5301.6	5301.6	5301.6
2.5°	5236.4	5261.5	5276.5	5296.6	5346.8
5°	5035.7	5131.1	5161.1	5236.4	5326.6
7.5°	4594.4	4885.3	4965.5	5146.1	5286.5
10°	4168.1	4458.9	4599.3	5025.8	5236.4
12.5°	3952.4	4122.9	4218.2	4815.0	5166.2
15°	3816.9	3937.3	4007.5	4534.1	5085.9
17.5°	3711.6	3796.9	3847.1	4258.3	4975.6
20°	3646.4	3686.5	3731.7	4057.7	4850.2
22.5°	3601.3	3576.2	3611.3	3917.2	4679.7
25°	3571.1	3475.9	3516.0	3806.9	4479.0
27.5°	3596.2	3385.6	3400.6	3706.6	4268.4
30°	3601.3	3275.2	3280.3	3601.3	4032.6
32.5°	3566.2	3159.9	3164.9	3470.8	3766.8
35°	3480.9	3024.5	3019.4	3320.4	3405.6
37.5°	3365.5	2879.0	2879.0	3154.9	3009.4
40°	3225.1	2733.5	2748.6	2939.2	2658.3
42.5°	3054.5	2578.1	2598.1	2653.3	2397.5
45°	2869.0	2427.6	2442.6	2242.0	2196.8
47.5°	2663.4	2272.1	2277.1	1860.8	2131.7
50°	2417.5	2111.6	2091.5	1595.0	2126.7
52.5°	2201.9	1936.1	1875.8	1444.6	1931.0
55°	1991.2	1750.4	1620.0	1329.2	1790.6
57.5°	1805.7	1509.8	1384.3	1193.7	1760.5
60°	1635.1	1274.0	1178.7	1048.3	1615.1
62.5°	1494.6	1098.5	1078.4	948.0	1464.6
65°	1344.2	978.0	973.1	862.7	1243.9
67.5°	1198.7	897.8	892.8	782.4	948.0
70°	1043.2	812.5	802.6	697.1	702.2
72.5°	882.8	717.3	707.2	627.0	581.8
75°	722.2	606.9	601.9	546.7	471.5
77.5°	566.8	481.6	491.5	441.3	346.1
80°	406.3	351.1	361.1	316.0	260.8
82.5°	270.8	230.7	240.8	200.7	175.6
85°	150.5	130.4	135.5	105.3	80.2
87.5°	70.2	60.2	60.2	40.1	25.1
90°	81.3	51.8	48.1	33.3	18.5
92.5°	501.6	356.8	325.3	199.6	73.9
95°	1234.3	695.1	637.6	407.5	177.4
97.5°	1662.6	763.5	712.7	509.8	306.9
100°	1818.5	820.8	774.8	590.7	406.7
102.5°	1889.9	878.1	835.2	663.4	491.7
105°	1943.0	963.2	926.8	781.4	636.0
107.5°	1952.8	1088.9	1055.0	919.4	783.9
110°	1938.1	1159.1	1128.5	1006.1	883.7



TEST NUMBER: P936117

CATALOG NUMBER: SQ4-FA-150U-125D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1938.7	1244.2	1215.0	1098.4	981.7
115°	1956.5	1371.7	1344.9	1237.2	1129.6
117.5°	1992.8	1495.5	1471.1	1373.3	1275.6
120°	2022.4	1567.7	1544.6	1452.7	1360.6
122.5°	2065.0	1652.7	1629.5	1536.6	1443.8
125°	2122.3	1761.8	1740.7	1656.0	1571.4
127.5°	2179.5	1867.1	1845.8	1760.3	1674.9
130°	2221.4	1937.4	1914.3	1822.4	1730.4
132.5°	2255.3	1994.7	1971.7	1879.7	1787.7
135°	2292.4	2061.3	2040.3	1956.4	1872.7
137.5°	2347.8	2146.3	2125.6	2042.6	1959.6
140°	2381.7	2203.6	2184.6	2108.1	2031.7
142.5°	2410.0	2246.1	2228.4	2157.8	2087.2
145°	2447.0	2310.8	2295.4	2233.9	2172.2
147.5°	2501.2	2392.1	2377.1	2317.2	2257.2
150°	2529.6	2434.7	2421.2	2367.0	2312.7
152.5°	2548.1	2462.4	2452.1	2411.1	2370.0
155°	2588.8	2523.5	2515.8	2485.5	2455.1
157.5°	2629.4	2584.4	2577.0	2547.5	2517.9
160°	2647.9	2612.2	2606.4	2583.4	2560.4
162.5°	2667.6	2641.7	2637.4	2620.2	2602.9
165°	2696.0	2684.3	2680.3	2664.7	2649.1
167.5°	2718.2	2708.3	2706.4	2699.1	2691.7
170°	2736.7	2736.1	2734.2	2726.8	2719.4
172.5°	2737.8	2737.8	2737.5	2735.8	2734.2
175°	2749.0	2754.5	2754.5	2754.5	2754.5
177.5°	2750.2	2754.5	2754.5	2754.5	2754.5
180°	2754.5	2754.5	2754.5	2754.5	2754.5



TEST NUMBER: P936117
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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	13.90	14.71	14.91	15.73	17.09	16.75	17.56	17.76	18.58	19.94
	3H	14.37	15.09	15.39	16.12	17.51	18.10	18.82	19.12	19.85	21.23
	4H	14.56	15.24	15.59	16.28	17.67	18.54	19.23	19.58	20.26	21.65
	6H	14.68	15.31	15.72	16.34	17.74	18.83	19.46	19.88	20.50	21.90
	8H	14.68	15.28	15.73	16.33	17.72	18.91	19.51	19.96	20.56	21.96
	12H	14.65	15.21	15.70	16.26	17.68	18.95	19.52	20.00	20.56	21.98
4H	2H	14.93	15.61	15.97	16.65	18.03	17.15	17.84	18.19	18.87	20.26
	3H	15.95	16.52	17.00	17.58	18.98	18.66	19.23	19.71	20.29	21.69
	4H	16.23	16.75	17.28	17.80	19.22	19.19	19.71	20.24	20.76	22.19
	6H	16.35	16.80	17.41	17.87	19.29	19.56	20.01	20.62	21.08	22.50
	8H	16.35	16.77	17.42	17.84	19.27	19.67	20.08	20.73	21.15	22.59
	12H	16.32	16.70	17.40	17.78	19.22	19.72	20.10	20.81	21.18	22.62
8H	4H	16.68	17.10	17.74	18.16	19.60	19.31	19.73	20.37	20.80	22.23
	6H	16.94	17.28	18.03	18.39	19.83	19.75	20.09	20.84	21.20	22.64
	8H	16.98	17.28	18.08	18.38	19.83	19.90	20.21	21.00	21.30	22.75
	12H	16.96	17.23	18.06	18.32	19.81	20.00	20.27	21.10	21.36	22.85
12H	4H	16.68	17.06	17.77	18.14	19.58	19.27	19.65	20.35	20.73	22.17
	6H	17.00	17.30	18.09	18.40	19.85	19.75	20.05	20.84	21.14	22.59
	8H	17.06	17.33	18.16	18.42	19.91	19.91	20.17	21.01	21.26	22.75