

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: P935717

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

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935717
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-840-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

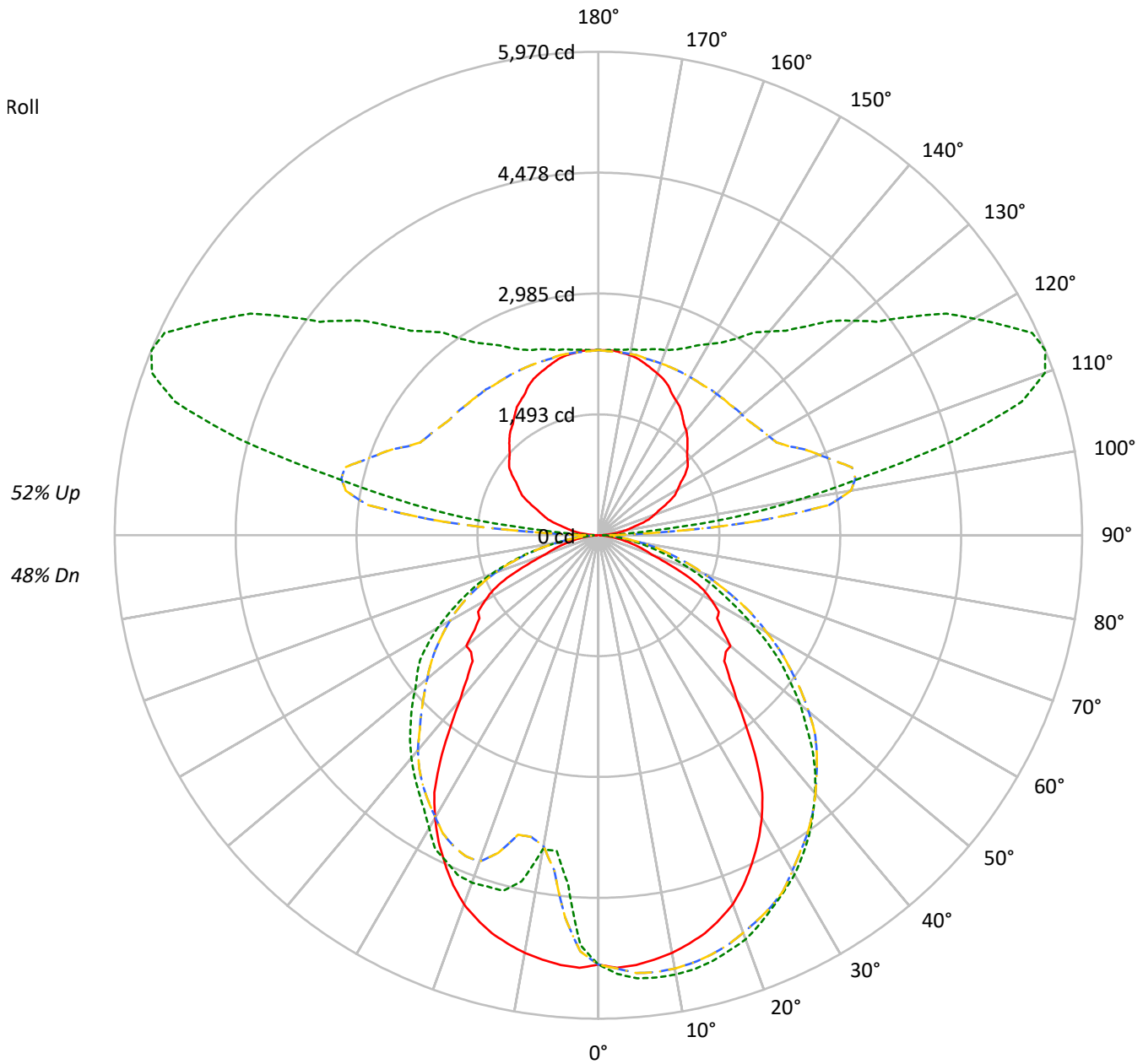
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28577.9 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): 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				
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°	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	1.7
10°-20°	1358.8	4.8
20°-30°	2100.4	7.3
30°-40°	2507.4	8.8
40°-50°	2522.1	8.8
50°-60°	2194.6	7.7
60°-70°	1556.0	5.4
70°-80°	823.2	2.9
80°-90°	213.7	0.7
90°-100°	1114.6	3.9
100°-110°	2930.4	10.3
110°-120°	3038.5	10.6
120°-130°	2437.2	8.5
130°-140°	1912.4	6.7
140°-150°	1467.8	5.1
150°-160°	1057.1	3.7
160°-170°	646.8	2.3
170°-180°	218.5	0.8
0°-30°	3937.7	13.8
0°-40°	6445.2	22.6
0°-60°	11161.9	39.1
0°-90°	13754.8	48.1
90°-120°	7083.4	24.8
90°-150°	12900.8	45.1
90°-180°	14823.0	51.9
0°-180°	28577.9	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°	15	58	15	58	15	16
95°	147	674	147	674	147	164
105°	528	4589	528	4589	528	560
115°	938	5908	938	5908	938	926
125°	1304	4705	1304	4705	1304	1158
135°	1555	3651	1555	3651	1555	1203
145°	1803	2962	1803	2962	1803	1130
155°	2038	2550	2038	2550	2038	936
165°	2199	2376	2199	2376	2199	621
175°	2287	2302	2287	2302	2287	217
180°	2287	2287	2287	2287	2287	



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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°	15.3	27.6	39.9	43.0	67.5	100.2	116.6	103.6	77.8	58.3	58.3
92.5°	61.4	165.7	270.1	296.2	416.4	576.7	656.8	575.6	413.3	291.6	280.0
95°	147.3	338.3	529.3	577.0	1024.6	1621.4	1919.8	1713.1	1299.8	989.9	954.7
97.5°	254.7	423.2	591.7	633.8	1380.1	2375.3	2872.8	2742.2	2481.0	2285.0	2218.2
100°	337.6	490.4	643.2	681.4	1509.6	2613.9	3165.9	3175.5	3194.6	3208.9	3129.3
102.5°	408.2	550.8	693.3	728.9	1568.9	2688.8	3248.8	3415.2	3748.1	3997.7	3929.6
105°	527.9	648.6	769.4	799.6	1612.9	2697.3	3239.6	3612.6	4358.9	4918.5	4881.8
107.5°	650.7	763.2	875.8	903.9	1621.1	2577.4	3055.5	3575.9	4616.6	5397.2	5406.1
110°	733.6	835.2	936.8	962.2	1608.8	2470.9	2902.0	3483.8	4647.4	5520.1	5558.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	814.9	911.7	1008.6	1032.8	1609.3	2378.0	2762.3	3357.8	4548.7	5441.8	5500.5
115°	937.6	1026.9	1116.3	1138.7	1624.2	2271.4	2595.1	3168.7	4315.9	5176.3	5257.6
117.5°	1058.9	1140.1	1221.3	1241.5	1654.3	2204.7	2480.0	2997.7	4033.0	4809.5	4899.7
120°	1129.5	1205.9	1282.3	1301.4	1678.9	2182.3	2433.9	2907.0	3853.0	4562.5	4650.1
122.5°	1198.5	1275.6	1352.7	1371.9	1714.2	2170.5	2398.7	2824.6	3676.4	4315.4	4401.8
125°	1304.5	1374.7	1445.0	1462.5	1761.8	2160.8	2360.2	2722.0	3445.7	3988.5	4068.1
127.5°	1390.4	1461.4	1532.3	1550.0	1809.3	2155.1	2328.0	2638.7	3260.0	3726.0	3793.2
130°	1436.5	1512.8	1589.2	1608.3	1844.1	2158.6	2315.8	2592.3	3145.5	3560.4	3622.4
132.5°	1484.0	1560.3	1636.8	1655.9	1872.3	2160.8	2305.0	2552.6	3047.8	3419.2	3474.8
135°	1554.6	1624.2	1693.7	1711.1	1903.0	2158.8	2286.6	2494.0	2908.7	3219.7	3267.6
137.5°	1626.7	1695.6	1764.5	1781.7	1948.9	2172.0	2283.6	2458.8	2809.4	3072.3	3111.5
140°	1686.5	1749.9	1813.4	1829.3	1977.1	2174.2	2272.8	2424.2	2727.0	2954.1	2990.8
142.5°	1732.6	1791.2	1849.9	1864.6	2000.6	2182.1	2272.8	2405.8	2671.8	2871.3	2902.8
145°	1803.2	1854.4	1905.6	1918.3	2031.3	2182.1	2257.5	2366.3	2583.8	2746.9	2770.8
147.5°	1873.7	1923.5	1973.3	1985.8	2076.4	2197.1	2257.5	2343.0	2514.3	2642.6	2662.4
150°	1919.8	1964.8	2009.9	2021.2	2099.9	2204.9	2257.5	2329.8	2474.3	2582.7	2598.7
152.5°	1967.4	2001.5	2035.7	2044.2	2115.3	2210.1	2257.5	2319.2	2442.6	2535.2	2547.4
155°	2037.9	2063.2	2088.4	2094.8	2149.0	2221.3	2257.5	2306.6	2404.8	2478.4	2486.4
157.5°	2090.2	2114.7	2139.3	2145.4	2182.8	2232.6	2257.5	2295.6	2372.0	2429.3	2434.9
160°	2125.5	2144.6	2163.7	2168.5	2198.1	2237.7	2257.5	2290.2	2355.7	2404.8	2408.1
162.5°	2160.8	2175.1	2189.4	2193.0	2214.5	2243.2	2257.5	2285.1	2340.4	2381.8	2384.8
165°	2199.1	2212.0	2225.0	2228.2	2238.0	2251.0	2257.5	2277.2	2316.8	2346.4	2349.7
167.5°	2234.5	2240.6	2246.7	2248.2	2256.4	2267.4	2272.8	2285.7	2311.6	2331.1	2332.5
170°	2257.5	2263.6	2269.7	2271.2	2271.7	2272.4	2272.8	2285.7	2311.6	2331.1	2331.1
172.5°	2269.7	2271.1	2272.5	2272.8	2272.8	2272.8	2272.8	2283.1	2303.5	2318.8	2317.7
175°	2286.6	2286.6	2286.6	2286.6	2282.0	2275.9	2272.8	2279.3	2292.3	2301.9	2301.9
177.5°	2286.6	2286.6	2286.6	2286.6	2283.1	2278.2	2275.9	2281.0	2291.2	2298.9	2297.5
180°	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6



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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	3972.5	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°	58.3	58.3	58.3	58.3	58.3	77.8	103.6	116.6	100.2	67.5	43.0
92.5°	233.6	187.2	233.6	280.0	291.6	413.3	575.6	656.8	576.7	416.4	296.2
95°	814.2	673.7	814.2	954.7	989.9	1299.8	1713.1	1919.8	1621.4	1024.6	577.0
97.5°	1950.8	1683.5	1950.8	2218.2	2285.0	2481.0	2742.2	2872.8	2375.3	1380.1	633.8
100°	2810.8	2492.2	2810.8	3129.3	3208.9	3194.6	3175.5	3165.9	2613.9	1509.6	681.4
102.5°	3656.7	3383.9	3656.7	3929.6	3997.7	3748.1	3415.2	3248.8	2688.8	1568.9	728.9
105°	4735.2	4588.6	4735.2	4881.8	4918.5	4358.9	3612.6	3239.6	2697.3	1612.9	799.6
107.5°	5441.6	5477.1	5441.6	5406.1	5397.2	4616.6	3575.9	3055.5	2577.4	1621.1	903.9
110°	5711.0	5863.8	5711.0	5558.3	5520.1	4647.4	3483.8	2902.0	2470.9	1608.8	962.2



TEST NUMBER: P935717

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

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5735.0	5969.7	5735.0	5500.5	5441.8	4548.7	3357.8	2762.3	2378.0	1609.3	1032.8
115°	5583.0	5908.3	5583.0	5257.6	5176.3	4315.9	3168.7	2595.1	2271.4	1624.2	1138.7
117.5°	5260.5	5621.3	5260.5	4899.7	4809.5	4033.0	2997.7	2480.0	2204.7	1654.3	1241.5
120°	5000.7	5351.2	5000.7	4650.1	4562.5	3853.0	2907.0	2433.9	2182.3	1678.9	1301.4
122.5°	4747.6	5093.4	4747.6	4401.8	4315.4	3676.4	2824.6	2398.7	2170.5	1714.2	1371.9
125°	4386.6	4705.2	4386.6	4068.1	3988.5	3445.7	2722.0	2360.2	2160.8	1761.8	1462.5
127.5°	4062.0	4330.7	4062.0	3793.2	3726.0	3260.0	2638.7	2328.0	2155.1	1809.3	1550.0
130°	3870.7	4119.0	3870.7	3622.4	3560.4	3145.5	2592.3	2315.8	2158.6	1844.1	1608.3
132.5°	3697.1	3919.4	3697.1	3474.8	3419.2	3047.8	2552.6	2305.0	2160.8	1872.3	1655.9
135°	3459.2	3650.9	3459.2	3267.6	3219.7	2908.7	2494.0	2286.6	2158.8	1903.0	1711.1
137.5°	3268.4	3425.3	3268.4	3111.5	3072.3	2809.4	2458.8	2283.6	2172.0	1948.9	1781.7
140°	3137.5	3284.1	3137.5	2990.8	2954.1	2727.0	2424.2	2272.8	2174.2	1977.1	1829.3
142.5°	3029.0	3155.2	3029.0	2902.8	2871.3	2671.8	2405.8	2272.8	2182.1	2000.6	1864.6
145°	2866.3	2961.8	2866.3	2770.8	2746.9	2583.8	2366.3	2257.5	2182.1	2031.3	1918.3
147.5°	2741.5	2820.6	2741.5	2662.4	2642.6	2514.3	2343.0	2257.5	2197.1	2076.4	1985.8
150°	2663.0	2727.1	2663.0	2598.7	2582.7	2474.3	2329.8	2257.5	2204.9	2099.9	2021.2
152.5°	2595.8	2644.2	2595.8	2547.4	2535.2	2442.6	2319.2	2257.5	2210.1	2115.3	2044.2
155°	2518.5	2550.5	2518.5	2486.4	2478.4	2404.8	2306.6	2257.5	2221.3	2149.0	2094.8
157.5°	2457.5	2480.0	2457.5	2434.9	2429.3	2372.0	2295.6	2257.5	2232.6	2182.8	2145.4
160°	2421.0	2433.9	2421.0	2408.1	2404.8	2355.7	2290.2	2257.5	2237.7	2198.1	2168.5
162.5°	2397.1	2409.3	2397.1	2384.8	2381.8	2340.4	2285.1	2257.5	2243.2	2214.5	2193.0
165°	2362.6	2375.6	2362.6	2349.7	2346.4	2316.8	2277.2	2257.5	2251.0	2238.0	2228.2
167.5°	2337.9	2343.3	2337.9	2332.5	2331.1	2311.6	2285.7	2272.8	2267.4	2256.4	2248.2
170°	2331.1	2331.1	2331.1	2331.1	2331.1	2311.6	2285.7	2272.8	2272.4	2271.7	2271.2
172.5°	2312.8	2308.1	2312.8	2317.7	2318.8	2303.5	2283.1	2272.8	2272.8	2272.8	2272.8
175°	2301.9	2301.9	2301.9	2301.9	2301.9	2292.3	2279.3	2272.8	2275.9	2282.0	2286.6
177.5°	2292.1	2286.6	2292.1	2297.5	2298.9	2291.2	2281.0	2275.9	2278.2	2283.1	2286.6
180°	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6



TEST NUMBER: P935717

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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°	39.9	27.6	15.3	27.6	39.9	43.0	67.5	100.2	116.6	103.6	77.8
92.5°	270.1	165.7	61.4	165.7	270.1	296.2	416.4	576.7	656.8	575.6	413.3
95°	529.3	338.3	147.3	338.3	529.3	577.0	1024.6	1621.4	1919.8	1713.1	1299.8
97.5°	591.7	423.2	254.7	423.2	591.7	633.8	1380.1	2375.3	2872.8	2742.2	2481.0
100°	643.2	490.4	337.6	490.4	643.2	681.4	1509.6	2613.9	3165.9	3175.5	3194.6
102.5°	693.3	550.8	408.2	550.8	693.3	728.9	1568.9	2688.8	3248.8	3415.2	3748.1
105°	769.4	648.6	527.9	648.6	769.4	799.6	1612.9	2697.3	3239.6	3612.6	4358.9
107.5°	875.8	763.2	650.7	763.2	875.8	903.9	1621.1	2577.4	3055.5	3575.9	4616.6
110°	936.8	835.2	733.6	835.2	936.8	962.2	1608.8	2470.9	2902.0	3483.8	4647.4



TEST NUMBER: P935717

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

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1008.6	911.7	814.9	911.7	1008.6	1032.8	1609.3	2378.0	2762.3	3357.8	4548.7
115°	1116.3	1026.9	937.6	1026.9	1116.3	1138.7	1624.2	2271.4	2595.1	3168.7	4315.9
117.5°	1221.3	1140.1	1058.9	1140.1	1221.3	1241.5	1654.3	2204.7	2480.0	2997.7	4033.0
120°	1282.3	1205.9	1129.5	1205.9	1282.3	1301.4	1678.9	2182.3	2433.9	2907.0	3853.0
122.5°	1352.7	1275.6	1198.5	1275.6	1352.7	1371.9	1714.2	2170.5	2398.7	2824.6	3676.4
125°	1445.0	1374.7	1304.5	1374.7	1445.0	1462.5	1761.8	2160.8	2360.2	2722.0	3445.7
127.5°	1532.3	1461.4	1390.4	1461.4	1532.3	1550.0	1809.3	2155.1	2328.0	2638.7	3260.0
130°	1589.2	1512.8	1436.5	1512.8	1589.2	1608.3	1844.1	2158.6	2315.8	2592.3	3145.5
132.5°	1636.8	1560.3	1484.0	1560.3	1636.8	1655.9	1872.3	2160.8	2305.0	2552.6	3047.8
135°	1693.7	1624.2	1554.6	1624.2	1693.7	1711.1	1903.0	2158.8	2286.6	2494.0	2908.7
137.5°	1764.5	1695.6	1626.7	1695.6	1764.5	1781.7	1948.9	2172.0	2283.6	2458.8	2809.4
140°	1813.4	1749.9	1686.5	1749.9	1813.4	1829.3	1977.1	2174.2	2272.8	2424.2	2727.0
142.5°	1849.9	1791.2	1732.6	1791.2	1849.9	1864.6	2000.6	2182.1	2272.8	2405.8	2671.8
145°	1905.6	1854.4	1803.2	1854.4	1905.6	1918.3	2031.3	2182.1	2257.5	2366.3	2583.8
147.5°	1973.3	1923.5	1873.7	1923.5	1973.3	1985.8	2076.4	2197.1	2257.5	2343.0	2514.3
150°	2009.9	1964.8	1919.8	1964.8	2009.9	2021.2	2099.9	2204.9	2257.5	2329.8	2474.3
152.5°	2035.7	2001.5	1967.4	2001.5	2035.7	2044.2	2115.3	2210.1	2257.5	2319.2	2442.6
155°	2088.4	2063.2	2037.9	2063.2	2088.4	2094.8	2149.0	2221.3	2257.5	2306.6	2404.8
157.5°	2139.3	2114.7	2090.2	2114.7	2139.3	2145.4	2182.8	2232.6	2257.5	2295.6	2372.0
160°	2163.7	2144.6	2125.5	2144.6	2163.7	2168.5	2198.1	2237.7	2257.5	2290.2	2355.7
162.5°	2189.4	2175.1	2160.8	2175.1	2189.4	2193.0	2214.5	2243.2	2257.5	2285.1	2340.4
165°	2225.0	2212.0	2199.1	2212.0	2225.0	2228.2	2238.0	2251.0	2257.5	2277.2	2316.8
167.5°	2246.7	2240.6	2234.5	2240.6	2246.7	2248.2	2256.4	2267.4	2272.8	2285.7	2311.6
170°	2269.7	2263.6	2257.5	2263.6	2269.7	2271.2	2271.7	2272.4	2272.8	2285.7	2311.6
172.5°	2272.5	2271.1	2269.7	2271.1	2272.5	2272.8	2272.8	2272.8	2272.8	2283.1	2303.5
175°	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6	2282.0	2275.9	2272.8	2279.3	2292.3
177.5°	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6	2283.1	2278.2	2275.9	2281.0	2291.2
180°	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6



TEST NUMBER: P935717

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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°	58.3	58.3	58.3	58.3	58.3	58.3	58.3	77.8	103.6	116.6	100.2
92.5°	291.6	280.0	233.6	187.2	233.6	280.0	291.6	413.3	575.6	656.8	576.7
95°	989.9	954.7	814.2	673.7	814.2	954.7	989.9	1299.8	1713.1	1919.8	1621.4
97.5°	2285.0	2218.2	1950.8	1683.5	1950.8	2218.2	2285.0	2481.0	2742.2	2872.8	2375.3
100°	3208.9	3129.3	2810.8	2492.2	2810.8	3129.3	3208.9	3194.6	3175.5	3165.9	2613.9
102.5°	3997.7	3929.6	3656.7	3383.9	3656.7	3929.6	3997.7	3748.1	3415.2	3248.8	2688.8
105°	4918.5	4881.8	4735.2	4588.6	4735.2	4881.8	4918.5	4358.9	3612.6	3239.6	2697.3
107.5°	5397.2	5406.1	5441.6	5477.1	5441.6	5406.1	5397.2	4616.6	3575.9	3055.5	2577.4
110°	5520.1	5558.3	5711.0	5863.8	5711.0	5558.3	5520.1	4647.4	3483.8	2902.0	2470.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5441.8	5500.5	5735.0	5969.7	5735.0	5500.5	5441.8	4548.7	3357.8	2762.3	2378.0
115°	5176.3	5257.6	5583.0	5908.3	5583.0	5257.6	5176.3	4315.9	3168.7	2595.1	2271.4
117.5°	4809.5	4899.7	5260.5	5621.3	5260.5	4899.7	4809.5	4033.0	2997.7	2480.0	2204.7
120°	4562.5	4650.1	5000.7	5351.2	5000.7	4650.1	4562.5	3853.0	2907.0	2433.9	2182.3
122.5°	4315.4	4401.8	4747.6	5093.4	4747.6	4401.8	4315.4	3676.4	2824.6	2398.7	2170.5
125°	3988.5	4068.1	4386.6	4705.2	4386.6	4068.1	3988.5	3445.7	2722.0	2360.2	2160.8
127.5°	3726.0	3793.2	4062.0	4330.7	4062.0	3793.2	3726.0	3260.0	2638.7	2328.0	2155.1
130°	3560.4	3622.4	3870.7	4119.0	3870.7	3622.4	3560.4	3145.5	2592.3	2315.8	2158.6
132.5°	3419.2	3474.8	3697.1	3919.4	3697.1	3474.8	3419.2	3047.8	2552.6	2305.0	2160.8
135°	3219.7	3267.6	3459.2	3650.9	3459.2	3267.6	3219.7	2908.7	2494.0	2286.6	2158.8
137.5°	3072.3	3111.5	3268.4	3425.3	3268.4	3111.5	3072.3	2809.4	2458.8	2283.6	2172.0
140°	2954.1	2990.8	3137.5	3284.1	3137.5	2990.8	2954.1	2727.0	2424.2	2272.8	2174.2
142.5°	2871.3	2902.8	3029.0	3155.2	3029.0	2902.8	2871.3	2671.8	2405.8	2272.8	2182.1
145°	2746.9	2770.8	2866.3	2961.8	2866.3	2770.8	2746.9	2583.8	2366.3	2257.5	2182.1
147.5°	2642.6	2662.4	2741.5	2820.6	2741.5	2662.4	2642.6	2514.3	2343.0	2257.5	2197.1
150°	2582.7	2598.7	2663.0	2727.1	2663.0	2598.7	2582.7	2474.3	2329.8	2257.5	2204.9
152.5°	2535.2	2547.4	2595.8	2644.2	2595.8	2547.4	2535.2	2442.6	2319.2	2257.5	2210.1
155°	2478.4	2486.4	2518.5	2550.5	2518.5	2486.4	2478.4	2404.8	2306.6	2257.5	2221.3
157.5°	2429.3	2434.9	2457.5	2480.0	2457.5	2434.9	2429.3	2372.0	2295.6	2257.5	2232.6
160°	2404.8	2408.1	2421.0	2433.9	2421.0	2408.1	2404.8	2355.7	2290.2	2257.5	2237.7
162.5°	2381.8	2384.8	2397.1	2409.3	2397.1	2384.8	2381.8	2340.4	2285.1	2257.5	2243.2
165°	2346.4	2349.7	2362.6	2375.6	2362.6	2349.7	2346.4	2316.8	2277.2	2257.5	2251.0
167.5°	2331.1	2332.5	2337.9	2343.3	2337.9	2332.5	2331.1	2311.6	2285.7	2272.8	2267.4
170°	2331.1	2331.1	2331.1	2331.1	2331.1	2331.1	2331.1	2311.6	2285.7	2272.8	2272.4
172.5°	2318.8	2317.7	2312.8	2308.1	2312.8	2317.7	2318.8	2303.5	2283.1	2272.8	2272.8
175°	2301.9	2301.9	2301.9	2301.9	2301.9	2301.9	2301.9	2292.3	2279.3	2272.8	2275.9
177.5°	2298.9	2297.5	2292.1	2286.6	2292.1	2297.5	2298.9	2291.2	2281.0	2275.9	2278.2
180°	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6	2286.6



TEST NUMBER: P935717

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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°	67.5	43.0	39.9	27.6	15.3
92.5°	416.4	296.2	270.1	165.7	61.4
95°	1024.6	577.0	529.3	338.3	147.3
97.5°	1380.1	633.8	591.7	423.2	254.7
100°	1509.6	681.4	643.2	490.4	337.6
102.5°	1568.9	728.9	693.3	550.8	408.2
105°	1612.9	799.6	769.4	648.6	527.9
107.5°	1621.1	903.9	875.8	763.2	650.7
110°	1608.8	962.2	936.8	835.2	733.6



TEST NUMBER: P935717

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

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1609.3	1032.8	1008.6	911.7	814.9
115°	1624.2	1138.7	1116.3	1026.9	937.6
117.5°	1654.3	1241.5	1221.3	1140.1	1058.9
120°	1678.9	1301.4	1282.3	1205.9	1129.5
122.5°	1714.2	1371.9	1352.7	1275.6	1198.5
125°	1761.8	1462.5	1445.0	1374.7	1304.5
127.5°	1809.3	1550.0	1532.3	1461.4	1390.4
130°	1844.1	1608.3	1589.2	1512.8	1436.5
132.5°	1872.3	1655.9	1636.8	1560.3	1484.0
135°	1903.0	1711.1	1693.7	1624.2	1554.6
137.5°	1948.9	1781.7	1764.5	1695.6	1626.7
140°	1977.1	1829.3	1813.4	1749.9	1686.5
142.5°	2000.6	1864.6	1849.9	1791.2	1732.6
145°	2031.3	1918.3	1905.6	1854.4	1803.2
147.5°	2076.4	1985.8	1973.3	1923.5	1873.7
150°	2099.9	2021.2	2009.9	1964.8	1919.8
152.5°	2115.3	2044.2	2035.7	2001.5	1967.4
155°	2149.0	2094.8	2088.4	2063.2	2037.9
157.5°	2182.8	2145.4	2139.3	2114.7	2090.2
160°	2198.1	2168.5	2163.7	2144.6	2125.5
162.5°	2214.5	2193.0	2189.4	2175.1	2160.8
165°	2238.0	2228.2	2225.0	2212.0	2199.1
167.5°	2256.4	2248.2	2246.7	2240.6	2234.5
170°	2271.7	2271.2	2269.7	2263.6	2257.5
172.5°	2272.8	2272.8	2272.5	2271.1	2269.7
175°	2282.0	2286.6	2286.6	2286.6	2286.6
177.5°	2283.1	2286.6	2286.6	2286.6	2286.6
180°	2286.6	2286.6	2286.6	2286.6	2286.6



TEST NUMBER: P935717
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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	14.36	15.20	15.33	16.19	17.48	17.21	18.05	18.18	19.04	20.34
	3H	14.83	15.59	15.81	16.58	17.90	18.56	19.31	19.54	20.31	21.63
	4H	15.02	15.74	16.02	16.74	18.06	19.00	19.72	20.00	20.72	22.05
	6H	15.14	15.80	16.15	16.80	18.14	19.29	19.95	20.30	20.96	22.30
	8H	15.14	15.77	16.15	16.79	18.12	19.37	20.00	20.39	21.02	22.36
	12H	15.11	15.71	16.13	16.72	18.08	19.41	20.01	20.43	21.02	22.39
4H	2H	15.39	16.11	16.39	17.11	18.43	17.61	18.33	18.62	19.33	20.66
	3H	16.42	17.01	17.43	18.04	19.38	19.12	19.72	20.14	20.75	22.09
	4H	16.69	17.24	17.71	18.26	19.62	19.65	20.20	20.68	21.22	22.59
	6H	16.82	17.28	17.85	18.33	19.69	20.02	20.49	21.06	21.54	22.90
	8H	16.82	17.26	17.85	18.30	19.67	20.13	20.57	21.17	21.61	22.99
	12H	16.79	17.18	17.84	18.24	19.62	20.19	20.59	21.24	21.64	23.02
8H	4H	17.15	17.59	18.18	18.62	20.00	19.78	20.22	20.81	21.25	22.63
	6H	17.41	17.77	18.46	18.85	20.22	20.22	20.58	21.28	21.66	23.03
	8H	17.45	17.77	18.51	18.83	20.23	20.37	20.69	21.44	21.76	23.15
	12H	17.43	17.71	18.50	18.77	20.21	20.48	20.76	21.54	21.81	23.25
12H	4H	17.15	17.55	18.20	18.60	19.98	19.74	20.14	20.79	21.19	22.57
	6H	17.47	17.79	18.53	18.85	20.25	20.22	20.53	21.28	21.60	22.99
	8H	17.54	17.82	18.60	18.87	20.31	20.38	20.66	21.45	21.72	23.15