

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: P935729

Luminaire Tested: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935729
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-92765-1D-UNV-STD-W-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

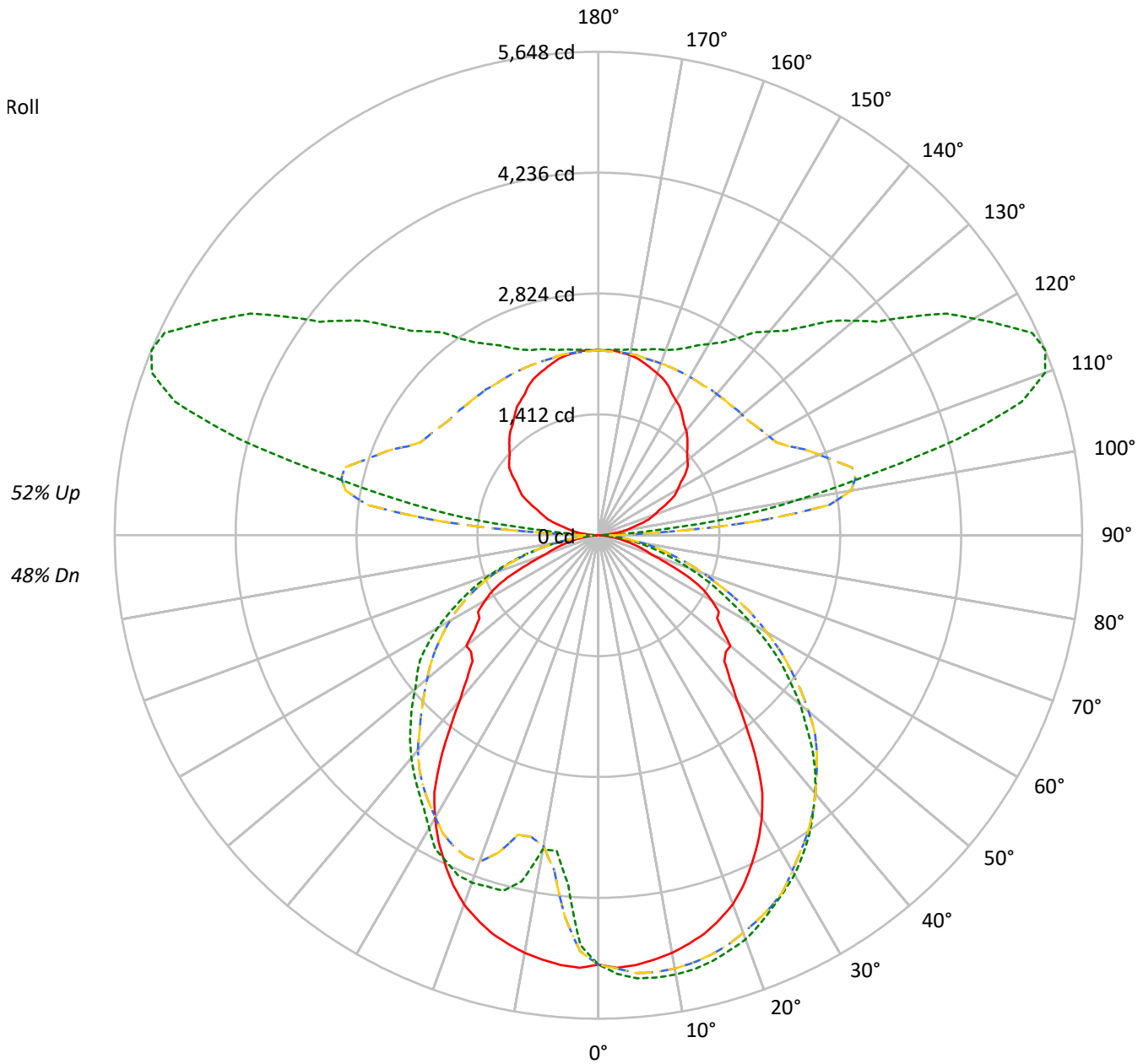
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27036.4 lumens
Efficiency: N/A
Efficacy: 119.8 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°	15514	15514	15514	15514
5°	15635	15660	15635	12314
10°	15536	15426	15536	11029
15°	15373	15092	15373	12602
20°	15058	14696	15058	12628
25°	14406	14119	14406	12361
30°	13561	13639	13561	11773
35°	12095	13033	12095	11128
40°	10084	12319	10084	10640
45°	9016	11483	9016	10079
50°	9586	10486	9586	9516
55°	9028	9413	9028	9190
60°	9318	7994	9318	8417
65°	8462	6609	8462	7387
70°	5873	5267	5873	6192
75°	5169	3893	5169	4662
80°	4198	2574	4198	2802
85°	2459	1363	2459	1158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13810 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.7	1.7
10°-20°	1285.5	4.8
20°-30°	1987.1	7.3
30°-40°	2372.2	8.8
40°-50°	2386.1	8.8
50°-60°	2076.2	7.7
60°-70°	1472.0	5.4
70°-80°	778.8	2.9
80°-90°	202.2	0.7
90°-100°	1054.5	3.9
100°-110°	2772.3	10.3
110°-120°	2874.6	10.6
120°-130°	2305.7	8.5
130°-140°	1809.2	6.7
140°-150°	1388.6	5.1
150°-160°	1000.1	3.7
160°-170°	611.9	2.3
170°-180°	206.7	0.8
0°-30°	3725.3	13.8
0°-40°	6097.5	22.6
0°-60°	10559.8	39.1
0°-90°	13012.8	48.1
90°-120°	6701.3	24.8
90°-150°	12204.9	45.1
90°-180°	14024.0	51.9
0°-180°	27036.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5016	5016	5016	5016	5016	
5°	5039	5196	5039	4086	5039	478
15°	4812	5148	4812	4299	4812	1354
25°	4237	4802	4237	4204	4237	1946
35°	3222	4285	3222	3658	3222	1993
45°	2078	3530	2078	3099	2078	1665
55°	1694	2605	1694	2543	1694	1557
65°	1177	1571	1177	1756	1177	1125
75°	446	745	446	892	446	469
85°	76	190	76	161	76	103
90°	14	55	14	55	14	15
95°	139	637	139	637	139	155
105°	499	4341	499	4341	499	529
115°	887	5590	887	5590	887	876
125°	1234	4451	1234	4451	1234	1096
135°	1471	3454	1471	3454	1471	1138
145°	1706	2802	1706	2802	1706	1069
155°	1928	2413	1928	2413	1928	886
165°	2080	2248	2080	2248	2080	587
175°	2163	2178	2163	2178	2163	205
180°	2163	2163	2163	2163	2163	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6
2.5°	5058.3	5058.3	5086.8	5096.3	5096.3	5082.0	5067.8	5082.0	5124.7	5139.0	5134.2
5°	5039.3	5077.3	5129.5	5139.0	5148.5	5143.7	5134.2	5143.7	5191.2	5200.7	5205.4
7.5°	5001.3	5072.6	5139.0	5153.2	5167.4	5153.2	5148.5	5158.0	5205.4	5214.9	5214.9
10°	4953.9	5053.6	5129.5	5139.0	5153.2	5139.0	5139.0	5158.0	5205.4	5214.9	5219.7
12.5°	4887.5	5025.1	5096.3	5105.7	5124.7	5119.9	5115.3	5134.2	5181.6	5191.2	5191.2
15°	4811.6	4972.9	5039.3	5048.8	5082.0	5072.6	5072.6	5091.5	5143.7	5158.0	5153.2
17.5°	4707.2	4906.5	4982.4	4996.7	5020.3	5015.6	5020.3	5039.3	5086.8	5096.3	5101.0
20°	4588.6	4816.3	4906.5	4920.7	4944.4	4944.4	4944.4	4968.1	5015.6	5034.6	5034.6
22.5°	4427.2	4721.4	4816.3	4825.8	4854.3	4854.3	4863.7	4896.9	4939.6	4944.4	4944.4
25°	4237.4	4617.0	4697.6	4726.2	4754.7	4768.9	4783.1	4802.1	4816.3	4811.6	4816.3
27.5°	4038.1	4484.2	4588.6	4607.5	4645.5	4659.7	4678.7	4683.4	4688.2	4702.4	4693.0
30°	3815.1	4299.1	4455.7	4474.6	4536.3	4545.8	4526.9	4536.3	4560.1	4569.6	4579.0
32.5°	3563.6	4023.9	4318.1	4360.8	4417.7	4389.3	4384.5	4398.7	4436.7	4436.7	4446.2
35°	3221.9	3810.3	4189.9	4227.9	4270.6	4237.4	4256.4	4261.1	4284.9	4299.1	4294.3
37.5°	2847.1	3625.3	4057.1	4085.6	4118.8	4076.1	4104.6	4118.8	4137.8	4128.2	4128.2
40°	2514.9	3335.8	3900.5	3919.5	3947.9	3914.7	3943.2	3952.7	3962.2	3952.7	3947.9
42.5°	2268.2	3017.9	3734.4	3758.2	3739.2	3762.8	3772.4	3791.4	3777.1	3758.2	3758.2
45°	2078.3	2932.5	3554.1	3582.5	3554.1	3592.1	3606.3	3606.3	3563.6	3554.1	3549.4
47.5°	2016.7	2761.7	3373.8	3373.8	3359.5	3407.0	3430.7	3397.5	3354.8	3340.5	3340.5
50°	2012.0	2571.8	3127.1	3108.1	3174.4	3231.5	3207.7	3174.4	3141.3	3089.1	3089.1
52.5°	1826.9	2339.4	2809.1	2880.3	2984.7	3017.9	2979.9	2946.8	2889.7	2866.1	2847.1
55°	1694.0	2097.4	2519.7	2662.0	2771.1	2813.8	2742.7	2709.4	2624.1	2609.8	2600.4
57.5°	1665.6	1746.2	2254.0	2434.3	2567.1	2562.4	2519.7	2458.0	2386.8	2372.6	2367.8
60°	1528.0	1262.2	1969.2	2182.7	2320.4	2306.1	2268.2	2211.2	2144.8	2135.3	2125.8
62.5°	1385.6	915.8	1646.6	1888.6	2083.1	2078.3	2045.1	1959.7	1912.3	1888.6	1869.6
65°	1176.8	768.7	1172.0	1570.7	1850.6	1860.1	1788.9	1727.2	1675.0	1646.6	1641.8
67.5°	896.9	626.3	792.4	1309.6	1627.6	1618.1	1528.0	1499.5	1433.0	1418.8	1390.3
70°	664.3	417.5	550.4	1062.9	1409.3	1385.6	1314.4	1281.2	1219.5	1186.2	1167.3
72.5°	550.4	336.9	403.3	825.6	1186.2	1157.8	1096.1	1058.2	1005.9	977.5	958.5
75°	446.0	355.8	308.5	612.1	963.2	944.2	887.3	849.4	806.7	768.7	773.5
77.5°	327.4	332.2	246.8	450.8	763.9	735.5	702.2	654.9	635.9	597.9	597.9
80°	246.8	261.0	185.1	308.5	550.4	550.4	521.9	488.8	455.6	436.5	436.5
82.5°	166.1	166.1	137.6	194.5	374.9	360.6	341.6	332.2	313.2	303.7	303.7
85°	75.9	94.9	85.4	118.6	204.0	213.5	213.5	204.0	199.3	189.8	194.5
87.5°	23.7	42.7	52.2	66.5	104.4	109.2	113.8	113.8	113.8	118.6	118.6
90°	14.5	26.1	37.8	40.7	63.8	94.8	110.3	98.1	73.6	55.1	55.1
92.5°	58.0	156.8	255.5	280.2	394.0	545.6	621.4	544.6	391.0	275.8	264.9
95°	139.4	320.0	500.7	545.9	969.3	1533.9	1816.2	1620.7	1229.7	936.5	903.2
97.5°	241.0	400.3	559.8	599.6	1305.7	2247.1	2717.8	2594.3	2347.1	2161.8	2098.5
100°	319.4	464.0	608.5	644.7	1428.1	2472.9	2995.2	3004.2	3022.3	3035.8	2960.5
102.5°	386.2	521.1	655.9	689.6	1484.3	2543.8	3073.6	3231.0	3545.9	3782.1	3717.6
105°	499.4	613.6	727.9	756.5	1525.9	2551.8	3064.8	3417.8	4123.7	4653.2	4618.5
107.5°	615.6	722.1	828.5	855.2	1533.7	2438.4	2890.7	3383.0	4367.6	5106.1	5114.5
110°	694.0	790.1	886.3	910.3	1522.0	2337.6	2745.4	3295.9	4396.7	5222.3	5258.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	770.9	862.5	954.1	977.0	1522.4	2249.7	2613.3	3176.7	4303.3	5148.3	5203.8
115°	887.0	971.5	1056.1	1077.2	1536.6	2148.9	2455.1	2997.8	4083.1	4897.1	4974.0
117.5°	1001.8	1078.6	1155.4	1174.6	1565.1	2085.8	2346.2	2836.0	3815.5	4550.1	4635.4
120°	1068.6	1140.8	1213.2	1231.2	1588.3	2064.6	2302.6	2750.2	3645.2	4316.4	4399.3
122.5°	1133.9	1206.8	1279.7	1297.9	1621.7	2053.5	2269.3	2672.2	3478.1	4082.6	4164.4
125°	1234.1	1300.5	1367.0	1383.6	1666.8	2044.2	2232.9	2575.2	3259.9	3773.3	3848.7
127.5°	1315.4	1382.5	1449.6	1466.4	1711.7	2038.9	2202.4	2496.3	3084.2	3525.1	3588.6
130°	1359.0	1431.2	1503.5	1521.5	1744.6	2042.1	2190.9	2452.5	2975.8	3368.3	3427.0
132.5°	1403.9	1476.2	1548.5	1566.6	1771.3	2044.2	2180.7	2414.9	2883.4	3234.7	3287.4
135°	1470.8	1536.6	1602.4	1618.8	1800.3	2042.3	2163.3	2359.5	2751.8	3046.0	3091.4
137.5°	1539.0	1604.1	1669.3	1685.6	1843.8	2054.9	2160.4	2326.2	2657.8	2906.6	2943.7
140°	1595.5	1655.6	1715.6	1730.6	1870.4	2056.9	2150.2	2293.4	2579.9	2794.8	2829.4
142.5°	1639.1	1694.6	1750.1	1764.0	1892.7	2064.4	2150.2	2276.0	2527.7	2716.4	2746.3
145°	1705.9	1754.3	1802.8	1814.8	1921.8	2064.4	2135.7	2238.6	2444.4	2598.8	2621.4
147.5°	1772.7	1819.8	1866.9	1878.7	1964.4	2078.6	2135.7	2216.7	2378.6	2500.1	2518.8
150°	1816.2	1858.8	1901.5	1912.1	1986.6	2086.0	2135.7	2204.1	2340.9	2443.4	2458.6
152.5°	1861.3	1893.5	1925.9	1933.9	2001.2	2090.8	2135.7	2194.1	2310.9	2398.5	2410.0
155°	1928.0	1951.9	1975.8	1981.8	2033.1	2101.5	2135.7	2182.2	2275.1	2344.7	2352.3
157.5°	1977.5	2000.6	2023.9	2029.7	2065.0	2112.2	2135.7	2171.8	2244.0	2298.3	2303.6
160°	2010.8	2028.9	2047.0	2051.5	2079.5	2117.0	2135.7	2166.6	2228.6	2275.1	2278.2
162.5°	2044.2	2057.8	2071.3	2074.7	2095.1	2122.2	2135.7	2161.9	2214.1	2253.3	2256.2
165°	2080.5	2092.7	2105.0	2108.0	2117.3	2129.5	2135.7	2154.4	2191.8	2219.8	2222.9
167.5°	2113.9	2119.7	2125.5	2126.9	2134.7	2145.1	2150.2	2162.4	2186.9	2205.3	2206.7
170°	2135.7	2141.5	2147.3	2148.7	2149.2	2149.8	2150.2	2162.4	2186.9	2205.3	2205.3
172.5°	2147.3	2148.6	2149.9	2150.2	2150.2	2150.2	2150.2	2159.9	2179.3	2193.8	2192.6
175°	2163.3	2163.3	2163.3	2163.3	2158.9	2153.1	2150.2	2156.4	2168.6	2177.8	2177.8
177.5°	2163.3	2163.3	2163.3	2163.3	2159.9	2155.3	2153.1	2158.0	2167.6	2174.9	2173.6
180°	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6
2.5°	5143.7	5129.5	5143.7	5134.2	5139.0	5124.7	5082.0	5067.8	5082.0	5096.3	5096.3
5°	5205.4	5195.9	5205.4	5205.4	5200.7	5191.2	5143.7	5134.2	5143.7	5148.5	5139.0
7.5°	5224.4	5210.1	5224.4	5214.9	5214.9	5205.4	5158.0	5148.5	5153.2	5167.4	5153.2
10°	5224.4	5210.1	5224.4	5219.7	5214.9	5205.4	5158.0	5139.0	5139.0	5153.2	5139.0
12.5°	5200.7	5191.2	5200.7	5191.2	5191.2	5181.6	5134.2	5115.3	5119.9	5124.7	5105.7
15°	5162.7	5148.5	5162.7	5153.2	5158.0	5143.7	5091.5	5072.6	5072.6	5082.0	5048.8
17.5°	5105.7	5086.8	5105.7	5101.0	5096.3	5086.8	5039.3	5020.3	5015.6	5020.3	4996.7
20°	5039.3	5025.1	5039.3	5034.6	5034.6	5015.6	4968.1	4944.4	4944.4	4944.4	4920.7
22.5°	4935.0	4920.7	4935.0	4944.4	4944.4	4939.6	4896.9	4863.7	4854.3	4854.3	4825.8
25°	4816.3	4802.1	4816.3	4816.3	4811.6	4816.3	4802.1	4783.1	4768.9	4754.7	4726.2
27.5°	4702.4	4693.0	4702.4	4693.0	4702.4	4688.2	4683.4	4678.7	4659.7	4645.5	4607.5
30°	4588.6	4579.0	4588.6	4579.0	4569.6	4560.1	4536.3	4526.9	4545.8	4536.3	4474.6
32.5°	4446.2	4436.7	4446.2	4446.2	4436.7	4436.7	4398.7	4384.5	4389.3	4417.7	4360.8
35°	4299.1	4284.9	4299.1	4294.3	4299.1	4284.9	4261.1	4256.4	4237.4	4270.6	4227.9
37.5°	4128.2	4114.0	4128.2	4128.2	4128.2	4137.8	4118.8	4104.6	4076.1	4118.8	4085.6
40°	3952.7	3933.7	3952.7	3947.9	3952.7	3962.2	3952.7	3943.2	3914.7	3947.9	3919.5
42.5°	3753.4	3748.6	3753.4	3758.2	3758.2	3777.1	3791.4	3772.4	3762.8	3739.2	3758.2
45°	3539.8	3530.4	3539.8	3549.4	3554.1	3563.6	3606.3	3606.3	3592.1	3554.1	3582.5
47.5°	3312.1	3288.4	3312.1	3340.5	3340.5	3354.8	3397.5	3430.7	3407.0	3359.5	3373.8
50°	3070.1	3074.8	3070.1	3089.1	3089.1	3141.3	3174.4	3207.7	3231.5	3174.4	3108.1
52.5°	2832.8	2828.1	2832.8	2847.1	2866.1	2889.7	2946.8	2979.9	3017.9	2984.7	2880.3
55°	2595.6	2605.1	2595.6	2600.4	2609.8	2624.1	2709.4	2742.7	2813.8	2771.1	2662.0
57.5°	2358.4	2344.1	2358.4	2367.8	2372.6	2386.8	2458.0	2519.7	2562.4	2567.1	2434.3
60°	2083.1	2064.1	2083.1	2125.8	2135.3	2144.8	2211.2	2268.2	2306.1	2320.4	2182.7
62.5°	1841.1	1807.9	1841.1	1869.6	1888.6	1912.3	1959.7	2045.1	2078.3	2083.1	1888.6
65°	1584.9	1570.7	1584.9	1641.8	1646.6	1675.0	1727.2	1788.9	1860.1	1850.6	1570.7
67.5°	1352.3	1352.3	1352.3	1390.3	1418.8	1433.0	1499.5	1528.0	1618.1	1627.6	1309.6
70°	1138.8	1134.1	1138.8	1167.3	1186.2	1219.5	1281.2	1314.4	1385.6	1409.3	1062.9
72.5°	934.8	930.0	934.8	958.5	977.5	1005.9	1058.2	1096.1	1157.8	1186.2	825.6
75°	754.5	745.0	754.5	773.5	768.7	806.7	849.4	887.3	944.2	963.2	612.1
77.5°	578.9	578.9	578.9	597.9	597.9	635.9	654.9	702.2	735.5	763.9	450.8
80°	431.8	427.1	431.8	436.5	436.5	455.6	488.8	521.9	550.4	550.4	308.5
82.5°	303.7	294.2	303.7	303.7	303.7	313.2	332.2	341.6	360.6	374.9	194.5
85°	189.8	189.8	189.8	194.5	189.8	199.3	204.0	213.5	213.5	204.0	118.6
87.5°	123.4	118.6	123.4	118.6	118.6	113.8	113.8	113.8	109.2	104.4	66.5
90°	55.1	55.1	55.1	55.1	55.1	73.6	98.1	110.3	94.8	63.8	40.7
92.5°	221.0	177.1	221.0	264.9	275.8	391.0	544.6	621.4	545.6	394.0	280.2
95°	770.3	637.4	770.3	903.2	936.5	1229.7	1620.7	1816.2	1533.9	969.3	545.9
97.5°	1845.6	1592.6	1845.6	2098.5	2161.8	2347.1	2594.3	2717.8	2247.1	1305.7	599.6
100°	2659.1	2357.8	2659.1	2960.5	3035.8	3022.3	3004.2	2995.2	2472.9	1428.1	644.7
102.5°	3459.4	3201.4	3459.4	3717.6	3782.1	3545.9	3231.0	3073.6	2543.8	1484.3	689.6
105°	4479.8	4341.1	4479.8	4618.5	4653.2	4123.7	3417.8	3064.8	2551.8	1525.9	756.5
107.5°	5148.1	5181.6	5148.1	5114.5	5106.1	4367.6	3383.0	2890.7	2438.4	1533.7	855.2
110°	5403.0	5547.5	5403.0	5258.5	5222.3	4396.7	3295.9	2745.4	2337.6	1522.0	910.3



TEST NUMBER: P935729

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5425.7	5647.7	5425.7	5203.8	5148.3	4303.3	3176.7	2613.3	2249.7	1522.4	977.0
115°	5281.8	5589.6	5281.8	4974.0	4897.1	4083.1	2997.8	2455.1	2148.9	1536.6	1077.2
117.5°	4976.7	5318.1	4976.7	4635.4	4550.1	3815.5	2836.0	2346.2	2085.8	1565.1	1174.6
120°	4730.9	5062.6	4730.9	4399.3	4316.4	3645.2	2750.2	2302.6	2064.6	1588.3	1231.2
122.5°	4491.5	4818.7	4491.5	4164.4	4082.6	3478.1	2672.2	2269.3	2053.5	1621.7	1297.9
125°	4150.0	4451.4	4150.0	3848.7	3773.3	3259.9	2575.2	2232.9	2044.2	1666.8	1383.6
127.5°	3842.9	4097.1	3842.9	3588.6	3525.1	3084.2	2496.3	2202.4	2038.9	1711.7	1466.4
130°	3661.9	3896.8	3661.9	3427.0	3368.3	2975.8	2452.5	2190.9	2042.1	1744.6	1521.5
132.5°	3497.7	3708.0	3497.7	3287.4	3234.7	2883.4	2414.9	2180.7	2044.2	1771.3	1566.6
135°	3272.6	3453.9	3272.6	3091.4	3046.0	2751.8	2359.5	2163.3	2042.3	1800.3	1618.8
137.5°	3092.1	3240.5	3092.1	2943.7	2906.6	2657.8	2326.2	2160.4	2054.9	1843.8	1685.6
140°	2968.3	3107.0	2968.3	2829.4	2794.8	2579.9	2293.4	2150.2	2056.9	1870.4	1730.6
142.5°	2865.6	2985.0	2865.6	2746.3	2716.4	2527.7	2276.0	2150.2	2064.4	1892.7	1764.0
145°	2711.7	2802.1	2711.7	2621.4	2598.8	2444.4	2238.6	2135.7	2064.4	1921.8	1814.8
147.5°	2593.6	2668.5	2593.6	2518.8	2500.1	2378.6	2216.7	2135.7	2078.6	1964.4	1878.7
150°	2519.3	2580.0	2519.3	2458.6	2443.4	2340.9	2204.1	2135.7	2086.0	1986.6	1912.1
152.5°	2455.8	2501.6	2455.8	2410.0	2398.5	2310.9	2194.1	2135.7	2090.8	2001.2	1933.9
155°	2382.7	2412.9	2382.7	2352.3	2344.7	2275.1	2182.2	2135.7	2101.5	2033.1	1981.8
157.5°	2324.9	2346.2	2324.9	2303.6	2298.3	2244.0	2171.8	2135.7	2112.2	2065.0	2029.7
160°	2290.4	2302.6	2290.4	2278.2	2275.1	2228.6	2166.6	2135.7	2117.0	2079.5	2051.5
162.5°	2267.8	2279.4	2267.8	2256.2	2253.3	2214.1	2161.9	2135.7	2122.2	2095.1	2074.7
165°	2235.2	2247.5	2235.2	2222.9	2219.8	2191.8	2154.4	2135.7	2129.5	2117.3	2108.0
167.5°	2211.8	2216.9	2211.8	2206.7	2205.3	2186.9	2162.4	2150.2	2145.1	2134.7	2126.9
170°	2205.3	2205.3	2205.3	2205.3	2205.3	2186.9	2162.4	2150.2	2149.8	2149.2	2148.7
172.5°	2188.1	2183.6	2188.1	2192.6	2193.8	2179.3	2159.9	2150.2	2150.2	2150.2	2150.2
175°	2177.8	2177.8	2177.8	2177.8	2177.8	2168.6	2156.4	2150.2	2153.1	2158.9	2163.3
177.5°	2168.4	2163.3	2168.4	2173.6	2174.9	2167.6	2158.0	2153.1	2155.3	2159.9	2163.3
180°	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3



TEST NUMBER: P935729

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6
2.5°	5086.8	5058.3	5058.3	5010.9	4991.9	4977.7	4953.9	4882.7	4863.7	4844.8	4873.3
5°	5129.5	5077.3	5039.3	4953.9	4882.7	4854.3	4764.1	4593.2	4479.4	4394.0	4346.6
7.5°	5139.0	5072.6	5001.3	4868.5	4697.6	4621.7	4346.6	4033.3	3947.9	3872.0	3824.5
10°	5129.5	5053.6	4953.9	4754.7	4351.2	4218.4	3943.2	3739.2	3686.9	3672.7	3686.9
12.5°	5096.3	5025.1	4887.5	4555.3	3990.6	3900.5	3739.2	3620.5	3611.0	3634.8	3762.8
15°	5039.3	4972.9	4811.6	4289.6	3791.4	3724.9	3611.0	3568.3	3620.5	3786.6	4170.9
17.5°	4982.4	4906.5	4707.2	4028.6	3639.6	3592.1	3511.4	3596.8	3891.0	4114.0	4242.2
20°	4906.5	4816.3	4588.6	3838.8	3530.4	3487.7	3449.7	3834.1	4057.1	4137.8	4208.9
22.5°	4816.3	4721.4	4427.2	3705.9	3416.5	3383.3	3407.0	3966.9	4057.1	4114.0	4175.7
25°	4697.6	4617.0	4237.4	3601.5	3326.3	3288.4	3378.5	3952.7	4004.8	4019.1	4142.5
27.5°	4588.6	4484.2	4038.1	3506.6	3217.2	3203.0	3402.2	3891.0	3928.9	3943.2	4076.1
30°	4455.7	4299.1	3815.1	3407.0	3103.3	3098.6	3407.0	3815.1	3805.6	3843.5	3976.4
32.5°	4318.1	4023.9	3563.6	3283.6	2994.1	2989.5	3373.8	3701.2	3691.7	3743.9	3843.5
35°	4189.9	3810.3	3221.9	3141.3	2856.6	2861.3	3293.2	3568.3	3573.1	3620.5	3682.2
37.5°	4057.1	3625.3	2847.1	2984.7	2723.7	2723.7	3184.0	3445.0	3435.5	3449.7	3535.2
40°	3900.5	3335.8	2514.9	2780.7	2600.4	2586.1	3051.2	3312.1	3278.9	3274.2	3392.8
42.5°	3734.4	3017.9	2268.2	2510.2	2458.0	2439.0	2889.7	3150.8	3089.1	3103.3	3255.1
45°	3554.1	2932.5	2078.3	2121.0	2310.9	2296.7	2714.2	2965.7	2923.0	2961.0	3117.5
47.5°	3373.8	2761.7	2016.7	1760.4	2154.3	2149.5	2519.7	2785.4	2761.7	2799.6	2965.7
50°	3127.1	2571.8	2012.0	1509.0	1978.7	1997.7	2287.1	2609.8	2609.8	2643.1	2818.6
52.5°	2809.1	2339.4	1826.9	1366.6	1774.6	1831.6	2083.1	2458.0	2467.4	2500.7	2657.3
55°	2519.7	2097.4	1694.0	1257.5	1532.6	1656.0	1883.8	2301.3	2320.4	2353.6	2495.9
57.5°	2254.0	1746.2	1665.6	1129.3	1309.6	1428.3	1708.3	2149.5	2159.1	2187.5	2325.1
60°	1969.2	1262.2	1528.0	991.7	1115.1	1205.3	1546.9	1969.2	2002.4	2021.4	2140.0
62.5°	1646.6	915.8	1385.6	896.9	1020.2	1039.2	1414.0	1798.4	1841.1	1855.3	1926.5
65°	1172.0	768.7	1176.8	816.2	920.6	925.3	1271.7	1622.8	1660.8	1684.5	1736.7
67.5°	792.4	626.3	896.9	740.2	844.6	849.4	1134.1	1418.8	1470.9	1490.0	1523.2
70°	550.4	417.5	664.3	659.5	759.3	768.7	987.0	1233.7	1281.2	1295.4	1314.4
72.5°	403.3	336.9	550.4	593.2	669.1	678.6	835.2	1024.9	1072.4	1086.6	1096.1
75°	308.5	355.8	446.0	517.2	569.4	574.2	683.3	835.2	868.3	877.9	882.5
77.5°	246.8	332.2	327.4	417.5	465.0	455.6	536.2	645.3	673.8	673.8	673.8
80°	185.1	261.0	246.8	298.9	341.6	332.2	384.4	460.2	469.8	479.2	474.6
82.5°	137.6	166.1	166.1	189.8	227.8	218.3	256.2	298.9	298.9	298.9	308.5
85°	85.4	94.9	75.9	99.6	128.1	123.4	142.4	161.3	166.1	166.1	156.6
87.5°	52.2	42.7	23.7	37.9	56.9	56.9	66.5	71.1	66.5	66.5	66.5
90°	37.8	26.1	14.5	26.1	37.8	40.7	63.8	94.8	110.3	98.1	73.6
92.5°	255.5	156.8	58.0	156.8	255.5	280.2	394.0	545.6	621.4	544.6	391.0
95°	500.7	320.0	139.4	320.0	500.7	545.9	969.3	1533.9	1816.2	1620.7	1229.7
97.5°	559.8	400.3	241.0	400.3	559.8	599.6	1305.7	2247.1	2717.8	2594.3	2347.1
100°	608.5	464.0	319.4	464.0	608.5	644.7	1428.1	2472.9	2995.2	3004.2	3022.3
102.5°	655.9	521.1	386.2	521.1	655.9	689.6	1484.3	2543.8	3073.6	3231.0	3545.9
105°	727.9	613.6	499.4	613.6	727.9	756.5	1525.9	2551.8	3064.8	3417.8	4123.7
107.5°	828.5	722.1	615.6	722.1	828.5	855.2	1533.7	2438.4	2890.7	3383.0	4367.6
110°	886.3	790.1	694.0	790.1	886.3	910.3	1522.0	2337.6	2745.4	3295.9	4396.7



TEST NUMBER: P935729

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	954.1	862.5	770.9	862.5	954.1	977.0	1522.4	2249.7	2613.3	3176.7	4303.3
115°	1056.1	971.5	887.0	971.5	1056.1	1077.2	1536.6	2148.9	2455.1	2997.8	4083.1
117.5°	1155.4	1078.6	1001.8	1078.6	1155.4	1174.6	1565.1	2085.8	2346.2	2836.0	3815.5
120°	1213.2	1140.8	1068.6	1140.8	1213.2	1231.2	1588.3	2064.6	2302.6	2750.2	3645.2
122.5°	1279.7	1206.8	1133.9	1206.8	1279.7	1297.9	1621.7	2053.5	2269.3	2672.2	3478.1
125°	1367.0	1300.5	1234.1	1300.5	1367.0	1383.6	1666.8	2044.2	2232.9	2575.2	3259.9
127.5°	1449.6	1382.5	1315.4	1382.5	1449.6	1466.4	1711.7	2038.9	2202.4	2496.3	3084.2
130°	1503.5	1431.2	1359.0	1431.2	1503.5	1521.5	1744.6	2042.1	2190.9	2452.5	2975.8
132.5°	1548.5	1476.2	1403.9	1476.2	1548.5	1566.6	1771.3	2044.2	2180.7	2414.9	2883.4
135°	1602.4	1536.6	1470.8	1536.6	1602.4	1618.8	1800.3	2042.3	2163.3	2359.5	2751.8
137.5°	1669.3	1604.1	1539.0	1604.1	1669.3	1685.6	1843.8	2054.9	2160.4	2326.2	2657.8
140°	1715.6	1655.6	1595.5	1655.6	1715.6	1730.6	1870.4	2056.9	2150.2	2293.4	2579.9
142.5°	1750.1	1694.6	1639.1	1694.6	1750.1	1764.0	1892.7	2064.4	2150.2	2276.0	2527.7
145°	1802.8	1754.3	1705.9	1754.3	1802.8	1814.8	1921.8	2064.4	2135.7	2238.6	2444.4
147.5°	1866.9	1819.8	1772.7	1819.8	1866.9	1878.7	1964.4	2078.6	2135.7	2216.7	2378.6
150°	1901.5	1858.8	1816.2	1858.8	1901.5	1912.1	1986.6	2086.0	2135.7	2204.1	2340.9
152.5°	1925.9	1893.5	1861.3	1893.5	1925.9	1933.9	2001.2	2090.8	2135.7	2194.1	2310.9
155°	1975.8	1951.9	1928.0	1951.9	1975.8	1981.8	2033.1	2101.5	2135.7	2182.2	2275.1
157.5°	2023.9	2000.6	1977.5	2000.6	2023.9	2029.7	2065.0	2112.2	2135.7	2171.8	2244.0
160°	2047.0	2028.9	2010.8	2028.9	2047.0	2051.5	2079.5	2117.0	2135.7	2166.6	2228.6
162.5°	2071.3	2057.8	2044.2	2057.8	2071.3	2074.7	2095.1	2122.2	2135.7	2161.9	2214.1
165°	2105.0	2092.7	2080.5	2092.7	2105.0	2108.0	2117.3	2129.5	2135.7	2154.4	2191.8
167.5°	2125.5	2119.7	2113.9	2119.7	2125.5	2126.9	2134.7	2145.1	2150.2	2162.4	2186.9
170°	2147.3	2141.5	2135.7	2141.5	2147.3	2148.7	2149.2	2149.8	2150.2	2162.4	2186.9
172.5°	2149.9	2148.6	2147.3	2148.6	2149.9	2150.2	2150.2	2150.2	2150.2	2159.9	2179.3
175°	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2158.9	2153.1	2150.2	2168.6
177.5°	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2159.9	2155.3	2153.1	2167.6
180°	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3



TEST NUMBER: P935729

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6	5015.6
2.5°	4840.0	4825.8	4844.8	4792.6	4844.8	4825.8	4840.0	4873.3	4844.8	4863.7	4882.7
5°	4246.9	4223.2	4147.2	4085.6	4147.2	4223.2	4246.9	4346.6	4394.0	4479.4	4593.2
7.5°	3796.1	3777.1	3758.2	3720.2	3758.2	3777.1	3796.1	3824.5	3872.0	3947.9	4033.3
10°	3696.5	3701.2	3729.7	3724.9	3729.7	3701.2	3696.5	3686.9	3672.7	3686.9	3739.2
12.5°	3952.7	3995.4	4152.0	4142.5	4152.0	3995.4	3952.7	3762.8	3634.8	3611.0	3620.5
15°	4246.9	4261.1	4294.3	4299.1	4294.3	4261.1	4246.9	4170.9	3786.6	3620.5	3568.3
17.5°	4275.3	4280.1	4303.9	4303.9	4303.9	4280.1	4275.3	4242.2	4114.0	3891.0	3596.8
20°	4251.6	4261.1	4308.6	4318.1	4308.6	4261.1	4251.6	4208.9	4137.8	4057.1	3834.1
22.5°	4242.2	4261.1	4299.1	4294.3	4299.1	4261.1	4242.2	4175.7	4114.0	4057.1	3966.9
25°	4194.7	4194.7	4199.4	4204.2	4199.4	4194.7	4194.7	4142.5	4019.1	4004.8	3952.7
27.5°	4095.0	4104.6	4133.0	4128.2	4133.0	4104.6	4095.0	4076.1	3943.2	3928.9	3891.0
30°	4004.8	3995.4	3971.7	3952.7	3971.7	3995.4	4004.8	3976.4	3843.5	3805.6	3815.1
32.5°	3853.0	3829.3	3805.6	3791.4	3805.6	3829.3	3853.0	3843.5	3743.9	3691.7	3701.2
35°	3672.7	3677.5	3672.7	3658.5	3672.7	3677.5	3672.7	3682.2	3620.5	3573.1	3568.3
37.5°	3544.6	3554.1	3549.4	3530.4	3549.4	3554.1	3544.6	3535.2	3449.7	3435.5	3445.0
40°	3411.8	3416.5	3411.8	3397.5	3411.8	3416.5	3411.8	3392.8	3274.2	3278.9	3312.1
42.5°	3283.6	3278.9	3264.6	3255.1	3264.6	3278.9	3283.6	3255.1	3103.3	3089.1	3150.8
45°	3136.5	3141.3	3112.8	3098.6	3112.8	3141.3	3136.5	3117.5	2961.0	2923.0	2965.7
47.5°	2989.5	2989.5	2965.7	2951.4	2965.7	2989.5	2989.5	2965.7	2799.6	2761.7	2785.4
50°	2832.8	2828.1	2794.9	2790.1	2794.9	2828.1	2832.8	2818.6	2643.1	2609.8	2609.8
52.5°	2652.5	2652.5	2657.3	2666.7	2657.3	2652.5	2652.5	2657.3	2500.7	2467.4	2458.0
55°	2495.9	2500.7	2533.9	2543.4	2533.9	2500.7	2495.9	2495.9	2353.6	2320.4	2301.3
57.5°	2334.6	2334.6	2358.4	2358.4	2358.4	2334.6	2334.6	2325.1	2187.5	2159.1	2149.5
60°	2149.5	2159.1	2178.1	2173.3	2178.1	2159.1	2149.5	2140.0	2021.4	2002.4	1969.2
62.5°	1955.0	1964.5	1969.2	1959.7	1969.2	1964.5	1955.0	1926.5	1855.3	1841.1	1798.4
65°	1751.0	1760.4	1765.2	1755.7	1765.2	1760.4	1751.0	1736.7	1684.5	1660.8	1622.8
67.5°	1542.2	1537.4	1532.6	1551.6	1532.6	1537.4	1542.2	1523.2	1490.0	1470.9	1418.8
70°	1328.6	1328.6	1323.9	1333.4	1323.9	1328.6	1328.6	1314.4	1295.4	1281.2	1233.7
72.5°	1100.9	1096.1	1115.1	1100.9	1115.1	1096.1	1100.9	1096.1	1086.6	1072.4	1024.9
75°	877.9	887.3	877.9	892.1	877.9	887.3	877.9	882.5	877.9	868.3	835.2
77.5°	669.1	678.6	669.1	669.1	669.1	678.6	669.1	673.8	673.8	673.8	645.3
80°	474.6	469.8	469.8	465.0	469.8	469.8	474.6	474.6	479.2	469.8	460.2
82.5°	303.7	298.9	298.9	308.5	298.9	298.9	303.7	308.5	298.9	298.9	298.9
85°	166.1	170.9	161.3	161.3	161.3	170.9	166.1	156.6	166.1	166.1	161.3
87.5°	61.7	56.9	56.9	56.9	56.9	56.9	61.7	66.5	66.5	66.5	71.1
90°	55.1	55.1	55.1	55.1	55.1	55.1	55.1	73.6	98.1	110.3	94.8
92.5°	275.8	264.9	221.0	177.1	221.0	264.9	275.8	391.0	544.6	621.4	545.6
95°	936.5	903.2	770.3	637.4	770.3	903.2	936.5	1229.7	1620.7	1816.2	1533.9
97.5°	2161.8	2098.5	1845.6	1592.6	1845.6	2098.5	2161.8	2347.1	2594.3	2717.8	2247.1
100°	3035.8	2960.5	2659.1	2357.8	2659.1	2960.5	3035.8	3022.3	3004.2	2995.2	2472.9
102.5°	3782.1	3717.6	3459.4	3201.4	3459.4	3717.6	3782.1	3545.9	3231.0	3073.6	2543.8
105°	4653.2	4618.5	4479.8	4341.1	4479.8	4618.5	4653.2	4123.7	3417.8	3064.8	2551.8
107.5°	5106.1	5114.5	5148.1	5181.6	5148.1	5114.5	5106.1	4367.6	3383.0	2890.7	2438.4
110°	5222.3	5258.5	5403.0	5547.5	5403.0	5258.5	5222.3	4396.7	3295.9	2745.4	2337.6



TEST NUMBER: P935729

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5148.3	5203.8	5425.7	5647.7	5425.7	5203.8	5148.3	4303.3	3176.7	2613.3	2249.7
115°	4897.1	4974.0	5281.8	5589.6	5281.8	4974.0	4897.1	4083.1	2997.8	2455.1	2148.9
117.5°	4550.1	4635.4	4976.7	5318.1	4976.7	4635.4	4550.1	3815.5	2836.0	2346.2	2085.8
120°	4316.4	4399.3	4730.9	5062.6	4730.9	4399.3	4316.4	3645.2	2750.2	2302.6	2064.6
122.5°	4082.6	4164.4	4491.5	4818.7	4491.5	4164.4	4082.6	3478.1	2672.2	2269.3	2053.5
125°	3773.3	3848.7	4150.0	4451.4	4150.0	3848.7	3773.3	3259.9	2575.2	2232.9	2044.2
127.5°	3525.1	3588.6	3842.9	4097.1	3842.9	3588.6	3525.1	3084.2	2496.3	2202.4	2038.9
130°	3368.3	3427.0	3661.9	3896.8	3661.9	3427.0	3368.3	2975.8	2452.5	2190.9	2042.1
132.5°	3234.7	3287.4	3497.7	3708.0	3497.7	3287.4	3234.7	2883.4	2414.9	2180.7	2044.2
135°	3046.0	3091.4	3272.6	3453.9	3272.6	3091.4	3046.0	2751.8	2359.5	2163.3	2042.3
137.5°	2906.6	2943.7	3092.1	3240.5	3092.1	2943.7	2906.6	2657.8	2326.2	2160.4	2054.9
140°	2794.8	2829.4	2968.3	3107.0	2968.3	2829.4	2794.8	2579.9	2293.4	2150.2	2056.9
142.5°	2716.4	2746.3	2865.6	2985.0	2865.6	2746.3	2716.4	2527.7	2276.0	2150.2	2064.4
145°	2598.8	2621.4	2711.7	2802.1	2711.7	2621.4	2598.8	2444.4	2238.6	2135.7	2064.4
147.5°	2500.1	2518.8	2593.6	2668.5	2593.6	2518.8	2500.1	2378.6	2216.7	2135.7	2078.6
150°	2443.4	2458.6	2519.3	2580.0	2519.3	2458.6	2443.4	2340.9	2204.1	2135.7	2086.0
152.5°	2398.5	2410.0	2455.8	2501.6	2455.8	2410.0	2398.5	2310.9	2194.1	2135.7	2090.8
155°	2344.7	2352.3	2382.7	2412.9	2382.7	2352.3	2344.7	2275.1	2182.2	2135.7	2101.5
157.5°	2298.3	2303.6	2324.9	2346.2	2324.9	2303.6	2298.3	2244.0	2171.8	2135.7	2112.2
160°	2275.1	2278.2	2290.4	2302.6	2290.4	2278.2	2275.1	2228.6	2166.6	2135.7	2117.0
162.5°	2253.3	2256.2	2267.8	2279.4	2267.8	2256.2	2253.3	2214.1	2161.9	2135.7	2122.2
165°	2219.8	2222.9	2235.2	2247.5	2235.2	2222.9	2219.8	2191.8	2154.4	2135.7	2129.5
167.5°	2205.3	2206.7	2211.8	2216.9	2211.8	2206.7	2205.3	2186.9	2162.4	2150.2	2145.1
170°	2205.3	2205.3	2205.3	2205.3	2205.3	2205.3	2205.3	2186.9	2162.4	2150.2	2149.8
172.5°	2193.8	2192.6	2188.1	2183.6	2188.1	2192.6	2193.8	2179.3	2159.9	2150.2	2150.2
175°	2177.8	2177.8	2177.8	2177.8	2177.8	2177.8	2177.8	2168.6	2156.4	2150.2	2153.1
177.5°	2174.9	2173.6	2168.4	2163.3	2168.4	2173.6	2174.9	2167.6	2158.0	2153.1	2155.3
180°	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3



TEST NUMBER: P935729

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5015.6	5015.6	5015.6	5015.6	5015.6
2.5°	4953.9	4977.7	4991.9	5010.9	5058.3
5°	4764.1	4854.3	4882.7	4953.9	5039.3
7.5°	4346.6	4621.7	4697.6	4868.5	5001.3
10°	3943.2	4218.4	4351.2	4754.7	4953.9
12.5°	3739.2	3900.5	3990.6	4555.3	4887.5
15°	3611.0	3724.9	3791.4	4289.6	4811.6
17.5°	3511.4	3592.1	3639.6	4028.6	4707.2
20°	3449.7	3487.7	3530.4	3838.8	4588.6
22.5°	3407.0	3383.3	3416.5	3705.9	4427.2
25°	3378.5	3288.4	3326.3	3601.5	4237.4
27.5°	3402.2	3203.0	3217.2	3506.6	4038.1
30°	3407.0	3098.6	3103.3	3407.0	3815.1
32.5°	3373.8	2989.5	2994.1	3283.6	3563.6
35°	3293.2	2861.3	2856.6	3141.3	3221.9
37.5°	3184.0	2723.7	2723.7	2984.7	2847.1
40°	3051.2	2586.1	2600.4	2780.7	2514.9
42.5°	2889.7	2439.0	2458.0	2510.2	2268.2
45°	2714.2	2296.7	2310.9	2121.0	2078.3
47.5°	2519.7	2149.5	2154.3	1760.4	2016.7
50°	2287.1	1997.7	1978.7	1509.0	2012.0
52.5°	2083.1	1831.6	1774.6	1366.6	1826.9
55°	1883.8	1656.0	1532.6	1257.5	1694.0
57.5°	1708.3	1428.3	1309.6	1129.3	1665.6
60°	1546.9	1205.3	1115.1	991.7	1528.0
62.5°	1414.0	1039.2	1020.2	896.9	1385.6
65°	1271.7	925.3	920.6	816.2	1176.8
67.5°	1134.1	849.4	844.6	740.2	896.9
70°	987.0	768.7	759.3	659.5	664.3
72.5°	835.2	678.6	669.1	593.2	550.4
75°	683.3	574.2	569.4	517.2	446.0
77.5°	536.2	455.6	465.0	417.5	327.4
80°	384.4	332.2	341.6	298.9	246.8
82.5°	256.2	218.3	227.8	189.8	166.1
85°	142.4	123.4	128.1	99.6	75.9
87.5°	66.5	56.9	56.9	37.9	23.7
90°	63.8	40.7	37.8	26.1	14.5
92.5°	394.0	280.2	255.5	156.8	58.0
95°	969.3	545.9	500.7	320.0	139.4
97.5°	1305.7	599.6	559.8	400.3	241.0
100°	1428.1	644.7	608.5	464.0	319.4
102.5°	1484.3	689.6	655.9	521.1	386.2
105°	1525.9	756.5	727.9	613.6	499.4
107.5°	1533.7	855.2	828.5	722.1	615.6
110°	1522.0	910.3	886.3	790.1	694.0



TEST NUMBER: P935729

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1522.4	977.0	954.1	862.5	770.9
115°	1536.6	1077.2	1056.1	971.5	887.0
117.5°	1565.1	1174.6	1155.4	1078.6	1001.8
120°	1588.3	1231.2	1213.2	1140.8	1068.6
122.5°	1621.7	1297.9	1279.7	1206.8	1133.9
125°	1666.8	1383.6	1367.0	1300.5	1234.1
127.5°	1711.7	1466.4	1449.6	1382.5	1315.4
130°	1744.6	1521.5	1503.5	1431.2	1359.0
132.5°	1771.3	1566.6	1548.5	1476.2	1403.9
135°	1800.3	1618.8	1602.4	1536.6	1470.8
137.5°	1843.8	1685.6	1669.3	1604.1	1539.0
140°	1870.4	1730.6	1715.6	1655.6	1595.5
142.5°	1892.7	1764.0	1750.1	1694.6	1639.1
145°	1921.8	1814.8	1802.8	1754.3	1705.9
147.5°	1964.4	1878.7	1866.9	1819.8	1772.7
150°	1986.6	1912.1	1901.5	1858.8	1816.2
152.5°	2001.2	1933.9	1925.9	1893.5	1861.3
155°	2033.1	1981.8	1975.8	1951.9	1928.0
157.5°	2065.0	2029.7	2023.9	2000.6	1977.5
160°	2079.5	2051.5	2047.0	2028.9	2010.8
162.5°	2095.1	2074.7	2071.3	2057.8	2044.2
165°	2117.3	2108.0	2105.0	2092.7	2080.5
167.5°	2134.7	2126.9	2125.5	2119.7	2113.9
170°	2149.2	2148.7	2147.3	2141.5	2135.7
172.5°	2150.2	2150.2	2149.9	2148.6	2147.3
175°	2158.9	2163.3	2163.3	2163.3	2163.3
177.5°	2159.9	2163.3	2163.3	2163.3	2163.3
180°	2163.3	2163.3	2163.3	2163.3	2163.3



TEST NUMBER: P935729
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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	14.16	15.01	15.14	15.99	17.29	17.01	17.86	17.99	18.85	20.14
	3H	14.64	15.39	15.62	16.39	17.71	18.36	19.12	19.35	20.12	21.44
	4H	14.83	15.54	15.83	16.54	17.87	18.81	19.53	19.81	20.53	21.86
	6H	14.95	15.61	15.95	16.61	17.95	19.10	19.76	20.11	20.77	22.11
	8H	14.95	15.57	15.96	16.60	17.93	19.18	19.81	20.19	20.83	22.16
	12H	14.92	15.51	15.94	16.53	17.89	19.22	19.82	20.24	20.83	22.19
4H	2H	15.20	15.91	16.20	16.91	18.24	17.42	18.14	18.42	19.14	20.46
	3H	16.22	16.82	17.24	17.85	19.19	18.93	19.53	19.94	20.56	21.90
	4H	16.50	17.04	17.52	18.07	19.43	19.46	20.01	20.48	21.03	22.39
	6H	16.62	17.09	17.65	18.14	19.50	19.83	20.30	20.86	21.35	22.71
	8H	16.63	17.07	17.66	18.10	19.48	19.94	20.38	20.97	21.42	22.79
	12H	16.59	16.99	17.65	18.04	19.42	20.00	20.40	21.05	21.45	22.83
8H	4H	16.95	17.39	17.99	18.43	19.81	19.58	20.02	20.62	21.06	22.44
	6H	17.22	17.58	18.27	18.66	20.03	20.03	20.39	21.08	21.47	22.84
	8H	17.26	17.58	18.32	18.64	20.03	20.18	20.50	21.25	21.56	22.96
	12H	17.24	17.52	18.31	18.58	20.01	20.28	20.56	21.35	21.62	23.06
12H	4H	16.96	17.36	18.01	18.41	19.79	19.55	19.94	20.60	21.00	22.38
	6H	17.28	17.60	18.34	18.66	20.05	20.02	20.34	21.09	21.41	22.80
	8H	17.34	17.62	18.41	18.68	20.12	20.19	20.47	21.25	21.53	22.96