

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: P935629

Luminaire Tested: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935629
REPORT IS A COMBINATION OF REPORTS P933761 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

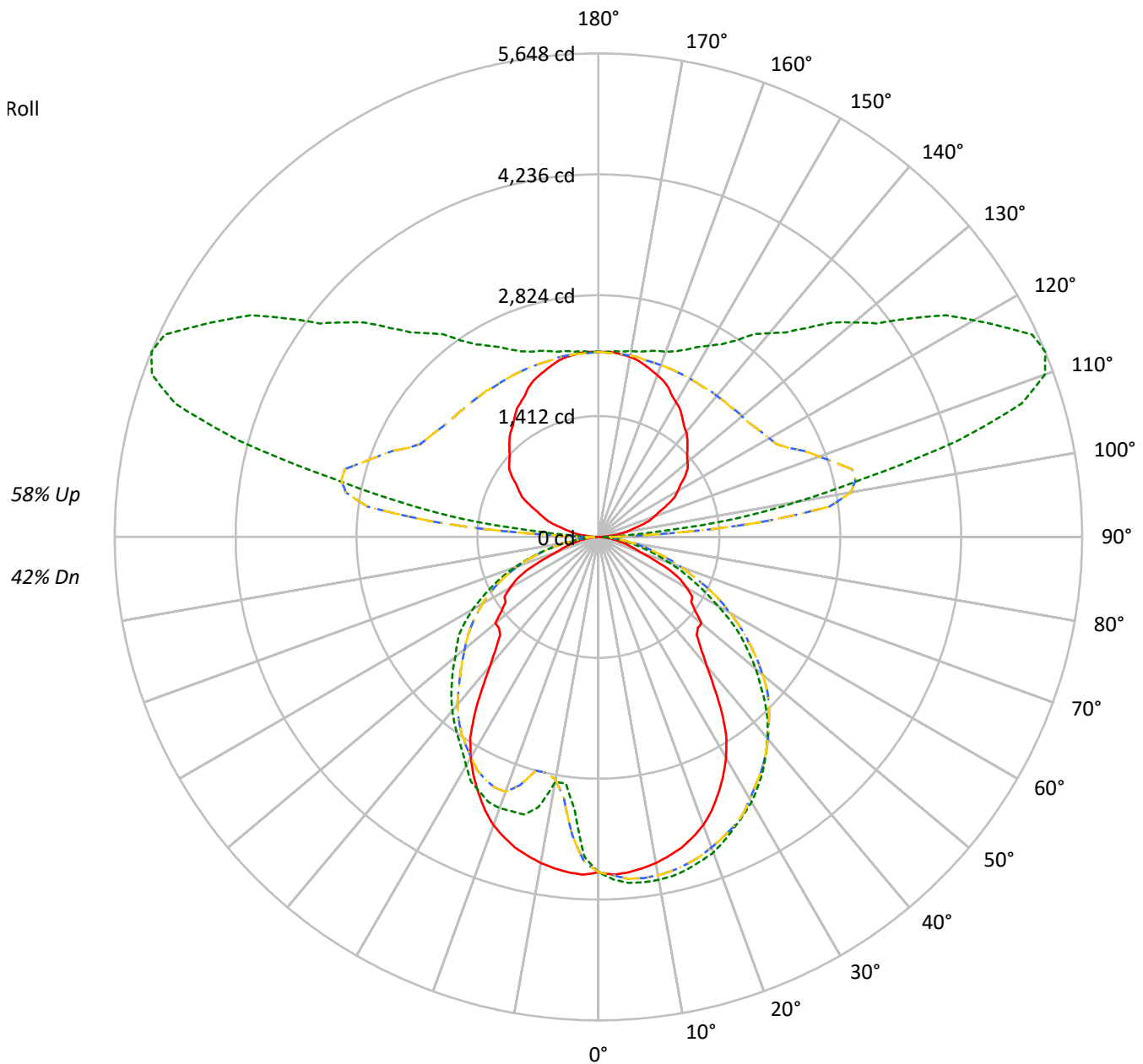
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24185.5 lumens
Efficiency: N/A
Efficacy: 125.2 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): 193.2
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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	41	41	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	35	35	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	30	30	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	25	25	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	22	22	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	19	19	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	15	15	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	14	14	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	13	13	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12112	12112	12112	12112
5°	12208	12227	12208	9615
10°	12130	12044	12130	8611
15°	12003	11783	12003	9839
20°	11757	11474	11757	9860
25°	11248	11024	11248	9651
30°	10588	10649	10588	9193
35°	9444	10176	9444	8688
40°	7873	9618	7873	8307
45°	7039	8966	7039	7869
50°	7485	8188	7485	7430
55°	7048	7349	7048	7175
60°	7275	6242	7275	6572
65°	6606	5160	6606	5768
70°	4586	4112	4586	4835
75°	4037	3040	4037	3640
80°	3276	2009	3276	2188
85°	1921	1064	1921	905

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10783 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.5	1.5
10°-20°	1003.7	4.1
20°-30°	1551.5	6.4
30°-40°	1852.1	7.7
40°-50°	1863.0	7.7
50°-60°	1621.0	6.7
60°-70°	1149.3	4.8
70°-80°	608.1	2.5
80°-90°	159.7	0.7
90°-100°	1054.5	4.4
100°-110°	2772.3	11.5
110°-120°	2874.6	11.9
120°-130°	2305.7	9.5
130°-140°	1809.2	7.5
140°-150°	1388.6	5.7
150°-160°	1000.1	4.1
160°-170°	611.9	2.5
170°-180°	206.7	0.9
0°-30°	2908.7	12.0
0°-40°	4760.8	19.7
0°-60°	8244.9	34.1
0°-90°	10162.0	42.0
90°-120°	6701.3	27.7
90°-150°	12204.9	50.5
90°-180°	14024.0	58.0
0°-180°	24185.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3916	3916	3916	3916	3916	
5°	3935	4057	3935	3190	3935	373
15°	3757	4020	3757	3357	3757	1057
25°	3308	3749	3308	3282	3308	1519
35°	2516	3346	2516	2856	2516	1556
45°	1623	2756	1623	2419	1623	1300
55°	1323	2034	1323	1986	1323	1215
65°	919	1226	919	1371	919	878
75°	348	582	348	696	348	366
85°	59	148	59	126	59	80
90°	14	55	14	55	14	14
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°	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0
2.5°	3949.4	3949.4	3971.7	3979.0	3979.0	3967.9	3956.8	3967.9	4001.3	4012.4	4008.7
5°	3934.6	3964.3	4005.0	4012.4	4019.8	4016.2	4008.7	4016.2	4053.2	4060.5	4064.3
7.5°	3904.9	3960.5	4012.4	4023.5	4034.7	4023.5	4019.8	4027.3	4064.3	4071.7	4071.7
10°	3867.9	3945.8	4005.0	4012.4	4023.5	4012.4	4012.4	4027.3	4064.3	4071.7	4075.4
12.5°	3816.0	3923.5	3979.0	3986.5	4001.3	3997.6	3993.9	4008.7	4045.8	4053.2	4053.2
15°	3756.8	3882.8	3934.6	3942.0	3967.9	3960.5	3960.5	3975.4	4016.2	4027.3	4023.5
17.5°	3675.3	3830.9	3890.2	3901.3	3919.8	3916.0	3919.8	3934.6	3971.7	3979.0	3982.8
20°	3582.6	3760.5	3830.9	3842.0	3860.5	3860.5	3860.5	3879.0	3916.0	3930.9	3930.9
22.5°	3456.6	3686.4	3760.5	3767.9	3790.1	3790.1	3797.5	3823.4	3856.8	3860.5	3860.5
25°	3308.5	3604.9	3667.9	3690.1	3712.3	3723.4	3734.5	3749.4	3760.5	3756.8	3760.5
27.5°	3152.9	3501.1	3582.6	3597.5	3627.1	3638.2	3653.0	3656.8	3660.4	3671.5	3664.1
30°	2978.7	3356.6	3478.9	3493.7	3541.9	3549.3	3534.5	3541.9	3560.4	3567.9	3575.3
32.5°	2782.3	3141.7	3371.5	3404.8	3449.3	3427.0	3423.4	3434.5	3464.1	3464.1	3471.5
35°	2515.7	2975.1	3271.5	3301.1	3334.4	3308.5	3323.3	3327.0	3345.5	3356.6	3353.0
37.5°	2222.9	2830.6	3167.7	3190.0	3215.9	3182.5	3204.7	3215.9	3230.7	3223.2	3223.2
40°	1963.6	2604.6	3045.5	3060.2	3082.5	3056.6	3078.7	3086.2	3093.6	3086.2	3082.5
42.5°	1771.0	2356.3	2915.7	2934.3	2919.5	2938.0	2945.4	2960.2	2949.1	2934.3	2934.3
45°	1622.7	2289.7	2775.0	2797.2	2775.0	2804.6	2815.7	2815.7	2782.3	2775.0	2771.3
47.5°	1574.6	2156.3	2634.2	2634.2	2623.1	2660.1	2678.7	2652.7	2619.3	2608.3	2608.3
50°	1570.9	2008.0	2441.5	2426.7	2478.6	2523.1	2504.5	2478.6	2452.7	2411.9	2411.9
52.5°	1426.4	1826.5	2193.3	2248.9	2330.4	2356.3	2326.7	2300.8	2256.3	2237.8	2222.9
55°	1322.6	1637.6	1967.3	2078.4	2163.7	2197.0	2141.4	2115.5	2048.8	2037.7	2030.3
57.5°	1300.5	1363.4	1759.9	1900.6	2004.4	2000.6	1967.3	1919.1	1863.5	1852.5	1848.8
60°	1193.0	985.5	1537.5	1704.2	1811.7	1800.6	1771.0	1726.5	1674.6	1667.2	1659.8
62.5°	1081.8	715.1	1285.6	1474.6	1626.5	1622.7	1596.9	1530.1	1493.1	1474.6	1459.7
65°	918.8	600.2	915.1	1226.3	1444.9	1452.3	1396.7	1348.6	1307.8	1285.6	1281.9
67.5°	700.2	489.0	618.7	1022.6	1270.8	1263.3	1193.0	1170.7	1118.8	1107.7	1085.6
70°	518.7	326.0	429.8	829.9	1100.3	1081.8	1026.2	1000.3	952.2	926.2	911.4
72.5°	429.8	263.0	314.9	644.7	926.2	904.0	855.8	826.2	785.4	763.2	748.4
75°	348.3	277.9	240.8	477.9	752.1	737.3	692.8	663.2	629.8	600.2	603.9
77.5°	255.6	259.4	192.6	352.0	596.5	574.3	548.3	511.3	496.4	466.8	466.8
80°	192.6	203.8	144.5	240.8	429.8	429.8	407.5	381.6	355.7	340.9	340.9
82.5°	129.6	129.6	107.4	151.9	292.7	281.5	266.8	259.4	244.5	237.1	237.1
85°	59.3	74.1	66.6	92.6	159.3	166.8	166.8	159.3	155.6	148.2	151.9
87.5°	18.5	33.4	40.8	51.9	81.5	85.2	88.9	88.9	88.9	92.6	92.6
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°	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0
2.5°	4016.2	4005.0	4016.2	4008.7	4012.4	4001.3	3967.9	3956.8	3967.9	3979.0	3979.0
5°	4064.3	4056.9	4064.3	4064.3	4060.5	4053.2	4016.2	4008.7	4016.2	4019.8	4012.4
7.5°	4079.1	4068.0	4079.1	4071.7	4071.7	4064.3	4027.3	4019.8	4023.5	4034.7	4023.5
10°	4079.1	4068.0	4079.1	4075.4	4071.7	4064.3	4027.3	4012.4	4012.4	4023.5	4012.4
12.5°	4060.5	4053.2	4060.5	4053.2	4053.2	4045.8	4008.7	3993.9	3997.6	4001.3	3986.5
15°	4030.9	4019.8	4030.9	4023.5	4027.3	4016.2	3975.4	3960.5	3960.5	3967.9	3942.0
17.5°	3986.5	3971.7	3986.5	3982.8	3979.0	3971.7	3934.6	3919.8	3916.0	3919.8	3901.3
20°	3934.6	3923.5	3934.6	3930.9	3930.9	3916.0	3879.0	3860.5	3860.5	3860.5	3842.0
22.5°	3853.1	3842.0	3853.1	3860.5	3860.5	3856.8	3823.4	3797.5	3790.1	3790.1	3767.9
25°	3760.5	3749.4	3760.5	3760.5	3756.8	3760.5	3749.4	3734.5	3723.4	3712.3	3690.1
27.5°	3671.5	3664.1	3671.5	3664.1	3671.5	3660.4	3656.8	3653.0	3638.2	3627.1	3597.5
30°	3582.6	3575.3	3582.6	3575.3	3567.9	3560.4	3541.9	3534.5	3549.3	3541.9	3493.7
32.5°	3471.5	3464.1	3471.5	3471.5	3464.1	3464.1	3434.5	3423.4	3427.0	3449.3	3404.8
35°	3356.6	3345.5	3356.6	3353.0	3356.6	3345.5	3327.0	3323.3	3308.5	3334.4	3301.1
37.5°	3223.2	3212.1	3223.2	3223.2	3223.2	3230.7	3215.9	3204.7	3182.5	3215.9	3190.0
40°	3086.2	3071.4	3086.2	3082.5	3086.2	3093.6	3086.2	3078.7	3056.6	3082.5	3060.2
42.5°	2930.6	2926.8	2930.6	2934.3	2934.3	2949.1	2960.2	2945.4	2938.0	2919.5	2934.3
45°	2763.8	2756.4	2763.8	2771.3	2775.0	2782.3	2815.7	2815.7	2804.6	2775.0	2797.2
47.5°	2586.1	2567.5	2586.1	2608.3	2608.3	2619.3	2652.7	2678.7	2660.1	2623.1	2634.2
50°	2397.1	2400.8	2397.1	2411.9	2411.9	2452.7	2478.6	2504.5	2523.1	2478.6	2426.7
52.5°	2211.8	2208.1	2211.8	2222.9	2237.8	2256.3	2300.8	2326.7	2356.3	2330.4	2248.9
55°	2026.5	2034.0	2026.5	2030.3	2037.7	2048.8	2115.5	2141.4	2197.0	2163.7	2078.4
57.5°	1841.4	1830.2	1841.4	1848.8	1852.5	1863.5	1919.1	1967.3	2000.6	2004.4	1900.6
60°	1626.5	1611.6	1626.5	1659.8	1667.2	1674.6	1726.5	1771.0	1800.6	1811.7	1704.2
62.5°	1437.5	1411.6	1437.5	1459.7	1474.6	1493.1	1530.1	1596.9	1622.7	1626.5	1474.6
65°	1237.5	1226.3	1237.5	1281.9	1285.6	1307.8	1348.6	1396.7	1452.3	1444.9	1226.3
67.5°	1055.9	1055.9	1055.9	1085.6	1107.7	1118.8	1170.7	1193.0	1263.3	1270.8	1022.6
70°	889.2	885.4	889.2	911.4	926.2	952.2	1000.3	1026.2	1081.8	1100.3	829.9
72.5°	729.9	726.2	729.9	748.4	763.2	785.4	826.2	855.8	904.0	926.2	644.7
75°	589.1	581.7	589.1	603.9	600.2	629.8	663.2	692.8	737.3	752.1	477.9
77.5°	452.0	452.0	452.0	466.8	466.8	496.4	511.3	548.3	574.3	596.5	352.0
80°	337.1	333.4	337.1	340.9	340.9	355.7	381.6	407.5	429.8	429.8	240.8
82.5°	237.1	229.7	237.1	237.1	237.1	244.5	259.4	266.8	281.5	292.7	151.9
85°	148.2	148.2	148.2	151.9	148.2	155.6	159.3	166.8	166.8	159.3	92.6
87.5°	96.4	92.6	96.4	92.6	92.6	88.9	88.9	88.9	85.2	81.5	51.9
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: P935629

CATALOG NUMBER: SQ4-FA-125U-100D-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



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0
2.5°	3971.7	3949.4	3949.4	3912.4	3897.5	3886.4	3867.9	3812.4	3797.5	3782.7	3804.9
5°	4005.0	3964.3	3934.6	3867.9	3812.4	3790.1	3719.8	3586.4	3497.4	3430.7	3393.7
7.5°	4012.4	3960.5	3904.9	3801.3	3667.9	3608.6	3393.7	3149.2	3082.5	3023.2	2986.1
10°	4005.0	3945.8	3867.9	3712.3	3397.4	3293.6	3078.7	2919.5	2878.7	2867.6	2878.7
12.5°	3979.0	3923.5	3816.0	3556.7	3115.8	3045.5	2919.5	2826.8	2819.4	2838.0	2938.0
15°	3934.6	3882.8	3756.8	3349.2	2960.2	2908.3	2819.4	2786.1	2826.8	2956.5	3256.6
17.5°	3890.2	3830.9	3675.3	3145.5	2841.7	2804.6	2741.6	2808.3	3038.0	3212.1	3312.2
20°	3830.9	3760.5	3582.6	2997.2	2756.4	2723.1	2693.4	2993.6	3167.7	3230.7	3286.2
22.5°	3760.5	3686.4	3456.6	2893.6	2667.6	2641.6	2660.1	3097.3	3167.7	3212.1	3260.3
25°	3667.9	3604.9	3308.5	2812.1	2597.2	2567.5	2637.9	3086.2	3127.0	3138.1	3234.4
27.5°	3582.6	3501.1	3152.9	2737.9	2511.9	2500.8	2656.4	3038.0	3067.7	3078.7	3182.5
30°	3478.9	3356.6	2978.7	2660.1	2423.0	2419.3	2660.1	2978.7	2971.3	3001.0	3104.7
32.5°	3371.5	3141.7	2782.3	2563.8	2337.8	2334.1	2634.2	2889.8	2882.4	2923.2	3001.0
35°	3271.5	2975.1	2515.7	2452.7	2230.4	2234.0	2571.2	2786.1	2789.8	2826.8	2875.0
37.5°	3167.7	2830.6	2222.9	2330.4	2126.6	2126.6	2485.9	2689.8	2682.3	2693.4	2760.2
40°	3045.5	2604.6	1963.6	2171.0	2030.3	2019.2	2382.3	2586.1	2560.1	2556.4	2649.1
42.5°	2915.7	2356.3	1771.0	1959.9	1919.1	1904.3	2256.3	2460.1	2411.9	2423.0	2541.6
45°	2775.0	2289.7	1622.7	1656.1	1804.3	1793.1	2119.2	2315.5	2282.2	2311.9	2434.2
47.5°	2634.2	2156.3	1574.6	1374.5	1682.0	1678.4	1967.3	2174.8	2156.3	2185.9	2315.5
50°	2441.5	2008.0	1570.9	1178.2	1545.0	1559.7	1785.8	2037.7	2037.7	2063.6	2200.7
52.5°	2193.3	1826.5	1426.4	1067.0	1385.6	1430.1	1626.5	1919.1	1926.5	1952.5	2074.8
55°	1967.3	1637.6	1322.6	981.8	1196.7	1293.0	1470.9	1796.9	1811.7	1837.6	1948.8
57.5°	1759.9	1363.4	1300.5	881.8	1022.6	1115.2	1333.7	1678.4	1685.7	1708.0	1815.4
60°	1537.5	985.5	1193.0	774.3	870.7	941.1	1207.8	1537.5	1563.5	1578.3	1670.9
62.5°	1285.6	715.1	1081.8	700.2	796.6	811.4	1104.1	1404.1	1437.5	1448.6	1504.2
65°	915.1	600.2	918.8	637.3	718.8	722.4	992.9	1267.1	1296.7	1315.2	1356.0
67.5°	618.7	489.0	700.2	577.9	659.4	663.2	885.4	1107.7	1148.5	1163.3	1189.3
70°	429.8	326.0	518.7	515.0	592.8	600.2	770.7	963.3	1000.3	1011.4	1026.2
72.5°	314.9	263.0	429.8	463.1	522.4	529.8	652.1	800.3	837.3	848.4	855.8
75°	240.8	277.9	348.3	403.8	444.5	448.3	533.5	652.1	678.0	685.4	689.1
77.5°	192.6	259.4	255.6	326.0	363.0	355.7	418.7	503.9	526.1	526.1	526.1
80°	144.5	203.8	192.6	233.4	266.8	259.4	300.1	359.4	366.8	374.2	370.5
82.5°	107.4	129.6	129.6	148.2	177.9	170.4	200.0	233.4	233.4	233.4	240.8
85°	66.6	74.1	59.3	77.8	100.0	96.4	111.1	126.0	129.6	129.6	122.3
87.5°	40.8	33.4	18.5	29.6	44.5	44.5	51.9	55.6	51.9	51.9	51.9
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: P935629

CATALOG NUMBER: SQ4-FA-125U-100D-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: P935629

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0	3916.0
2.5°	3779.0	3767.9	3782.7	3741.9	3782.7	3767.9	3779.0	3804.9	3782.7	3797.5	3812.4
5°	3315.9	3297.4	3238.1	3190.0	3238.1	3297.4	3315.9	3393.7	3430.7	3497.4	3586.4
7.5°	2964.0	2949.1	2934.3	2904.6	2934.3	2949.1	2964.0	2986.1	3023.2	3082.5	3149.2
10°	2886.1	2889.8	2912.1	2908.3	2912.1	2889.8	2886.1	2878.7	2867.6	2878.7	2919.5
12.5°	3086.2	3119.5	3241.7	3234.4	3241.7	3119.5	3086.2	2938.0	2838.0	2819.4	2826.8
15°	3315.9	3327.0	3353.0	3356.6	3353.0	3327.0	3315.9	3256.6	2956.5	2826.8	2786.1
17.5°	3338.1	3341.9	3360.4	3360.4	3360.4	3341.9	3338.1	3312.2	3212.1	3038.0	2808.3
20°	3319.6	3327.0	3364.0	3371.5	3364.0	3327.0	3319.6	3286.2	3230.7	3167.7	2993.6
22.5°	3312.2	3327.0	3356.6	3353.0	3356.6	3327.0	3312.2	3260.3	3212.1	3167.7	3097.3
25°	3275.1	3275.1	3278.9	3282.5	3278.9	3275.1	3275.1	3234.4	3138.1	3127.0	3086.2
27.5°	3197.3	3204.7	3227.0	3223.2	3227.0	3204.7	3197.3	3182.5	3078.7	3067.7	3038.0
30°	3127.0	3119.5	3101.0	3086.2	3101.0	3119.5	3127.0	3104.7	3001.0	2971.3	2978.7
32.5°	3008.4	2989.8	2971.3	2960.2	2971.3	2989.8	3008.4	3001.0	2923.2	2882.4	2889.8
35°	2867.6	2871.3	2867.6	2856.5	2867.6	2871.3	2867.6	2875.0	2826.8	2789.8	2786.1
37.5°	2767.6	2775.0	2771.3	2756.4	2771.3	2775.0	2767.6	2760.2	2693.4	2682.3	2689.8
40°	2663.8	2667.6	2663.8	2652.7	2663.8	2667.6	2663.8	2649.1	2556.4	2560.1	2586.1
42.5°	2563.8	2560.1	2548.9	2541.6	2548.9	2560.1	2563.8	2541.6	2423.0	2411.9	2460.1
45°	2448.9	2452.7	2430.4	2419.3	2430.4	2452.7	2448.9	2434.2	2311.9	2282.2	2315.5
47.5°	2334.1	2334.1	2315.5	2304.4	2315.5	2334.1	2334.1	2315.5	2185.9	2156.3	2174.8
50°	2211.8	2208.1	2182.2	2178.5	2182.2	2208.1	2211.8	2200.7	2063.6	2037.7	2037.7
52.5°	2071.0	2071.0	2074.8	2082.2	2074.8	2071.0	2071.0	2074.8	1952.5	1926.5	1919.1
55°	1948.8	1952.5	1978.4	1985.8	1978.4	1952.5	1948.8	1948.8	1837.6	1811.7	1796.9
57.5°	1822.8	1822.8	1841.4	1841.4	1841.4	1822.8	1822.8	1815.4	1708.0	1685.7	1678.4
60°	1678.4	1685.7	1700.5	1696.9	1700.5	1685.7	1678.4	1670.9	1578.3	1563.5	1537.5
62.5°	1526.4	1533.9	1537.5	1530.1	1537.5	1533.9	1526.4	1504.2	1448.6	1437.5	1404.1
65°	1367.1	1374.5	1378.2	1370.8	1378.2	1374.5	1367.1	1356.0	1315.2	1296.7	1267.1
67.5°	1204.1	1200.3	1196.7	1211.5	1196.7	1200.3	1204.1	1189.3	1163.3	1148.5	1107.7
70°	1037.3	1037.3	1033.7	1041.1	1033.7	1037.3	1037.3	1026.2	1011.4	1000.3	963.3
72.5°	859.6	855.8	870.7	859.6	870.7	855.8	859.6	855.8	848.4	837.3	800.3
75°	685.4	692.8	685.4	696.5	685.4	692.8	685.4	689.1	685.4	678.0	652.1
77.5°	522.4	529.8	522.4	522.4	522.4	529.8	522.4	526.1	526.1	526.1	503.9
80°	370.5	366.8	366.8	363.0	366.8	366.8	370.5	370.5	374.2	366.8	359.4
82.5°	237.1	233.4	233.4	240.8	233.4	233.4	237.1	240.8	233.4	233.4	233.4
85°	129.6	133.4	126.0	126.0	126.0	133.4	129.6	122.3	129.6	129.6	126.0
87.5°	48.1	44.5	44.5	44.5	44.5	44.5	48.1	51.9	51.9	51.9	55.6
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



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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



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3916.0	3916.0	3916.0	3916.0	3916.0
2.5°	3867.9	3886.4	3897.5	3912.4	3949.4
5°	3719.8	3790.1	3812.4	3867.9	3934.6
7.5°	3393.7	3608.6	3667.9	3801.3	3904.9
10°	3078.7	3293.6	3397.4	3712.3	3867.9
12.5°	2919.5	3045.5	3115.8	3556.7	3816.0
15°	2819.4	2908.3	2960.2	3349.2	3756.8
17.5°	2741.6	2804.6	2841.7	3145.5	3675.3
20°	2693.4	2723.1	2756.4	2997.2	3582.6
22.5°	2660.1	2641.6	2667.6	2893.6	3456.6
25°	2637.9	2567.5	2597.2	2812.1	3308.5
27.5°	2656.4	2500.8	2511.9	2737.9	3152.9
30°	2660.1	2419.3	2423.0	2660.1	2978.7
32.5°	2634.2	2334.1	2337.8	2563.8	2782.3
35°	2571.2	2234.0	2230.4	2452.7	2515.7
37.5°	2485.9	2126.6	2126.6	2330.4	2222.9
40°	2382.3	2019.2	2030.3	2171.0	1963.6
42.5°	2256.3	1904.3	1919.1	1959.9	1771.0
45°	2119.2	1793.1	1804.3	1656.1	1622.7
47.5°	1967.3	1678.4	1682.0	1374.5	1574.6
50°	1785.8	1559.7	1545.0	1178.2	1570.9
52.5°	1626.5	1430.1	1385.6	1067.0	1426.4
55°	1470.9	1293.0	1196.7	981.8	1322.6
57.5°	1333.7	1115.2	1022.6	881.8	1300.5
60°	1207.8	941.1	870.7	774.3	1193.0
62.5°	1104.1	811.4	796.6	700.2	1081.8
65°	992.9	722.4	718.8	637.3	918.8
67.5°	885.4	663.2	659.4	577.9	700.2
70°	770.7	600.2	592.8	515.0	518.7
72.5°	652.1	529.8	522.4	463.1	429.8
75°	533.5	448.3	444.5	403.8	348.3
77.5°	418.7	355.7	363.0	326.0	255.6
80°	300.1	259.4	266.8	233.4	192.6
82.5°	200.0	170.4	177.9	148.2	129.6
85°	111.1	96.4	100.0	77.8	59.3
87.5°	51.9	44.5	44.5	29.6	18.5
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



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CATALOG NUMBER: SQ4-FA-125U-100D-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



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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	12.69	13.49	13.72	14.52	15.90	15.54	16.34	16.57	17.37	18.75
	3H	13.16	13.88	14.20	14.91	16.32	16.89	17.60	17.92	18.64	20.04
	4H	13.35	14.03	14.40	15.07	16.48	17.34	18.01	18.38	19.05	20.46
	6H	13.47	14.09	14.52	15.13	16.55	17.62	18.24	18.68	19.29	20.71
	8H	13.47	14.06	14.53	15.12	16.53	17.70	18.29	18.76	19.35	20.77
	12H	13.43	14.00	14.50	15.05	16.49	17.74	18.30	18.80	19.36	20.79
4H	2H	13.72	14.39	14.77	15.44	16.85	15.94	16.62	17.00	17.66	19.07
	3H	14.74	15.30	15.80	16.37	17.80	17.45	18.01	18.51	19.08	20.50
	4H	15.02	15.53	16.08	16.59	18.03	17.98	18.49	19.05	19.55	21.00
	6H	15.14	15.58	16.21	16.66	18.10	18.35	18.79	19.42	19.87	21.31
	8H	15.14	15.55	16.22	16.63	18.08	18.45	18.87	19.53	19.94	21.40
	12H	15.10	15.48	16.20	16.57	18.03	18.51	18.88	19.60	19.97	21.43
8H	4H	15.47	15.88	16.54	16.96	18.41	18.10	18.51	19.17	19.59	21.04
	6H	15.73	16.07	16.82	17.19	18.64	18.54	18.88	19.64	20.00	21.45
	8H	15.77	16.07	16.87	17.17	18.64	18.69	18.99	19.80	20.09	21.56
	12H	15.75	16.01	16.86	17.11	18.62	18.79	19.05	19.90	20.15	21.66
12H	4H	15.47	15.84	16.56	16.93	18.39	18.06	18.43	19.15	19.52	20.98
	6H	15.79	16.09	16.89	17.19	18.66	18.53	18.83	19.64	19.93	21.40
	8H	15.85	16.11	16.96	17.21	18.72	18.69	18.96	19.80	20.05	21.56