

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: P935780

Luminaire Tested: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935780
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-B2750-1D-UNV-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

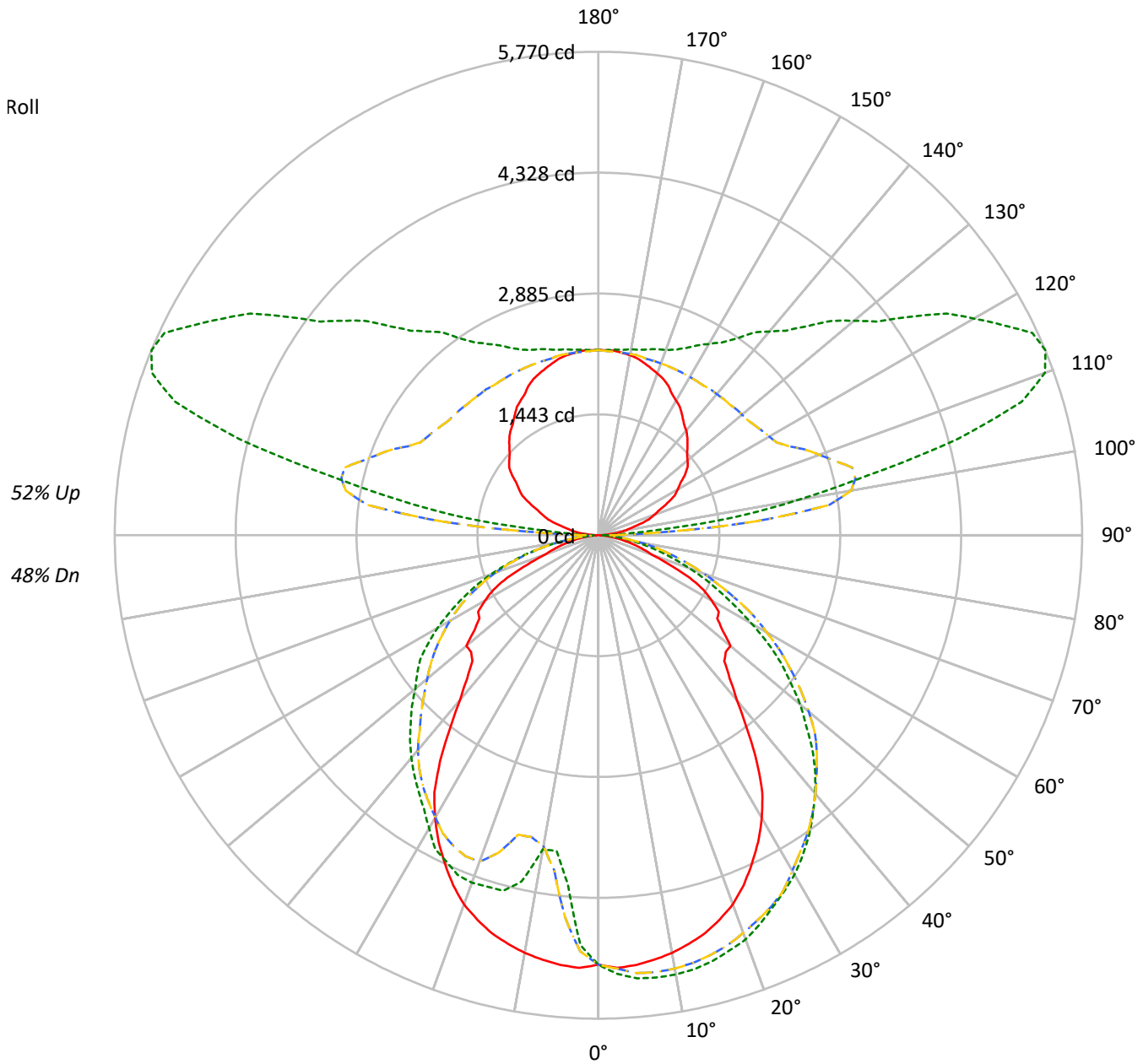
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27623.4 lumens
Efficiency: N/A
Efficacy: 122.4 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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CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-4000K

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°	15850	15850	15850	15850
5°	15975	16000	15975	12581
10°	15874	15761	15874	11268
15°	15707	15419	15707	12876
20°	15385	15015	15385	12902
25°	14718	14425	14718	12629
30°	13855	13935	13855	12029
35°	12358	13316	12358	11369
40°	10303	12586	10303	10870
45°	9212	11732	9212	10297
50°	9794	10714	9794	9722
55°	9223	9617	9223	9390
60°	9520	8168	9520	8600
65°	8645	6752	8645	7547
70°	6000	5381	6000	6326
75°	5282	3977	5282	4763
80°	4288	2629	4288	2863
85°	2511	1393	2511	1184

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14110 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.6	1.7
10°-20°	1313.4	4.8
20°-30°	2030.3	7.3
30°-40°	2423.7	8.8
40°-50°	2437.9	8.8
50°-60°	2121.3	7.7
60°-70°	1504.0	5.4
70°-80°	795.7	2.9
80°-90°	206.6	0.7
90°-100°	1077.4	3.9
100°-110°	2832.5	10.3
110°-120°	2937.0	10.6
120°-130°	2355.8	8.5
130°-140°	1848.5	6.7
140°-150°	1418.8	5.1
150°-160°	1021.8	3.7
160°-170°	625.2	2.3
170°-180°	211.2	0.8
0°-30°	3806.2	13.8
0°-40°	6229.9	22.6
0°-60°	10789.0	39.1
0°-90°	13295.4	48.1
90°-120°	6846.8	24.8
90°-150°	12469.9	45.1
90°-180°	14328.0	51.9
0°-180°	27623.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5124	5124	5124	5124	5124	
5°	5149	5309	5149	4174	5149	488
15°	4916	5260	4916	4392	4916	1383
25°	4329	4906	4329	4296	4329	1988
35°	3292	4378	3292	3738	3292	2037
45°	2123	3607	2123	3166	2123	1701
55°	1731	2662	1731	2599	1731	1590
65°	1202	1605	1202	1794	1202	1149
75°	456	761	456	912	456	479
85°	78	194	78	165	78	105
90°	15	56	15	56	15	16
95°	142	651	142	651	142	158
105°	510	4435	510	4435	510	541
115°	906	5711	906	5711	906	895
125°	1261	4548	1261	4548	1261	1119
135°	1503	3529	1503	3529	1503	1163
145°	1743	2863	1743	2863	1743	1092
155°	1970	2465	1970	2465	1970	905
165°	2126	2296	2126	2296	2126	600
175°	2210	2225	2210	2225	2210	210
180°	2210	2210	2210	2210	2210	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	5168.2	5168.2	5197.2	5206.9	5206.9	5192.3	5177.8	5192.3	5236.0	5250.6	5245.7
5°	5148.7	5187.6	5240.8	5250.6	5260.2	5255.4	5245.7	5255.4	5303.9	5313.6	5318.4
7.5°	5109.9	5182.7	5250.6	5265.1	5279.6	5265.1	5260.2	5270.0	5318.4	5328.1	5328.1
10°	5061.5	5163.3	5240.8	5250.6	5265.1	5250.6	5250.6	5270.0	5318.4	5328.1	5333.0
12.5°	4993.6	5134.2	5206.9	5216.6	5236.0	5231.1	5226.3	5245.7	5294.1	5303.9	5303.9
15°	4916.1	5080.9	5148.7	5158.4	5192.3	5182.7	5182.7	5202.1	5255.4	5270.0	5265.1
17.5°	4809.4	5013.0	5090.5	5105.1	5129.3	5124.5	5129.3	5148.7	5197.2	5206.9	5211.7
20°	4688.2	4920.8	5013.0	5027.5	5051.8	5051.8	5051.8	5076.0	5124.5	5143.9	5143.9
22.5°	4523.4	4823.9	4920.8	4930.6	4959.7	4959.7	4969.3	5003.2	5046.9	5051.8	5051.8
25°	4329.4	4717.2	4799.6	4828.8	4857.9	4872.4	4886.9	4906.3	4920.8	4916.1	4920.8
27.5°	4125.8	4581.5	4688.2	4707.6	4746.3	4760.9	4780.3	4785.1	4790.0	4804.5	4794.9
30°	3897.9	4392.4	4552.4	4571.8	4634.8	4644.5	4625.2	4634.8	4659.1	4668.8	4678.4
32.5°	3640.9	4111.3	4411.8	4455.5	4513.6	4484.6	4479.7	4494.2	4533.0	4533.0	4542.7
35°	3291.9	3893.1	4280.9	4319.7	4363.3	4329.4	4348.8	4353.7	4377.9	4392.4	4387.6
37.5°	2908.9	3704.0	4145.2	4174.3	4208.2	4164.6	4193.7	4208.2	4227.6	4217.9	4217.9
40°	2569.5	3408.2	3985.2	4004.6	4033.6	3999.7	4028.9	4038.5	4048.2	4038.5	4033.6
42.5°	2317.4	3083.4	3815.5	3839.8	3820.4	3844.5	3854.3	3873.7	3859.2	3839.8	3839.8
45°	2123.4	2996.1	3631.3	3660.3	3631.3	3670.1	3684.6	3684.6	3640.9	3631.3	3626.4
47.5°	2060.5	2821.6	3447.1	3447.1	3432.5	3481.0	3505.2	3471.2	3427.7	3413.1	3413.1
50°	2055.6	2627.7	3195.0	3175.6	3243.4	3301.6	3277.4	3243.4	3209.5	3156.2	3156.2
52.5°	1866.5	2390.2	2870.1	2942.8	3049.5	3083.4	3044.6	3010.7	2952.5	2928.3	2908.9
55°	1730.7	2142.9	2574.4	2719.8	2831.3	2874.9	2802.3	2768.3	2681.1	2666.5	2656.8
57.5°	1701.7	1784.1	2302.9	2487.1	2622.8	2618.0	2574.4	2511.4	2438.6	2424.1	2419.2
60°	1561.1	1289.6	2012.0	2230.1	2370.8	2356.2	2317.4	2259.2	2191.3	2181.7	2172.0
62.5°	1415.7	935.7	1682.3	1929.6	2128.3	2123.4	2089.5	2002.3	1953.8	1929.6	1910.2
65°	1202.3	785.4	1197.5	1604.8	1890.8	1900.4	1827.8	1764.7	1711.4	1682.3	1677.5
67.5°	916.3	639.9	809.6	1338.1	1662.9	1653.2	1561.1	1532.0	1464.1	1449.6	1420.5
70°	678.7	426.6	562.4	1086.0	1439.9	1415.7	1342.9	1309.0	1246.0	1212.0	1192.6
72.5°	562.4	344.2	412.1	843.6	1212.0	1183.0	1119.9	1081.2	1027.8	998.7	979.4
75°	455.7	363.6	315.2	625.4	984.1	964.7	906.6	867.8	824.2	785.4	790.3
77.5°	334.5	339.4	252.1	460.6	780.5	751.5	717.5	669.1	649.7	610.9	610.9
80°	252.1	266.6	189.1	315.2	562.4	562.4	533.3	499.4	465.5	446.0	446.0
82.5°	169.7	169.7	140.6	198.7	383.1	368.4	349.1	339.4	320.0	310.3	310.3
85°	77.5	96.9	87.3	121.2	208.5	218.1	218.1	208.5	203.6	194.0	198.7
87.5°	24.3	43.6	53.3	67.9	106.7	111.5	116.3	116.3	116.3	121.2	121.2
90°	14.8	26.6	38.6	41.5	65.2	96.8	112.7	100.2	75.2	56.3	56.3
92.5°	59.3	160.2	261.1	286.3	402.5	557.4	634.9	556.4	399.5	281.8	270.6
95°	142.4	327.0	511.6	557.7	990.3	1567.3	1855.7	1655.9	1256.4	956.8	922.8
97.5°	246.2	409.0	571.9	612.6	1334.0	2295.9	2776.9	2650.6	2398.1	2208.7	2144.1
100°	326.3	474.1	621.7	658.7	1459.1	2526.5	3060.2	3069.5	3087.9	3101.7	3024.8
102.5°	394.6	532.4	670.1	704.6	1516.5	2599.0	3140.3	3301.1	3622.9	3864.2	3798.3
105°	510.3	627.0	743.7	772.9	1559.0	2607.2	3131.3	3492.0	4213.3	4754.2	4718.8
107.5°	629.0	737.7	846.5	873.7	1567.0	2491.3	2953.4	3456.4	4462.4	5217.0	5225.6
110°	709.1	807.3	905.5	930.1	1555.0	2388.4	2805.0	3367.4	4492.1	5335.7	5372.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	787.7	881.3	974.9	998.3	1555.5	2298.6	2670.1	3245.7	4396.7	5260.0	5316.8
115°	906.3	992.6	1079.1	1100.6	1569.9	2195.5	2508.4	3062.9	4171.7	5003.4	5082.0
117.5°	1023.6	1102.0	1180.5	1200.1	1599.1	2131.1	2397.1	2897.6	3898.3	4648.8	4736.0
120°	1091.8	1165.6	1239.5	1257.9	1622.8	2109.4	2352.6	2809.9	3724.3	4410.1	4494.8
122.5°	1158.5	1233.0	1307.5	1326.1	1656.9	2098.0	2318.5	2730.2	3553.7	4171.2	4254.8
125°	1260.9	1328.8	1396.7	1413.7	1703.0	2088.6	2281.4	2631.1	3330.7	3855.2	3932.2
127.5°	1344.0	1412.5	1481.1	1498.2	1748.9	2083.1	2250.3	2550.5	3151.1	3601.6	3666.5
130°	1388.5	1462.3	1536.1	1554.5	1782.5	2086.5	2238.4	2505.7	3040.4	3441.4	3501.4
132.5°	1434.4	1508.2	1582.1	1600.6	1809.7	2088.6	2228.0	2467.3	2946.0	3305.0	3358.7
135°	1502.7	1569.9	1637.2	1654.0	1839.4	2086.7	2210.3	2410.7	2811.5	3112.2	3158.5
137.5°	1572.4	1639.0	1705.5	1722.2	1883.8	2099.5	2207.3	2376.7	2715.5	2969.7	3007.6
140°	1630.2	1691.5	1752.8	1768.2	1911.1	2101.6	2196.9	2343.2	2635.9	2855.4	2890.9
142.5°	1674.7	1731.4	1788.1	1802.3	1933.8	2109.2	2196.9	2325.4	2582.6	2775.4	2805.9
145°	1743.0	1792.4	1841.9	1854.2	1963.5	2109.2	2182.1	2287.2	2497.5	2655.2	2678.3
147.5°	1811.2	1859.3	1907.4	1919.5	2007.0	2123.7	2182.1	2264.8	2430.3	2554.3	2573.4
150°	1855.7	1899.2	1942.8	1953.6	2029.8	2131.3	2182.1	2252.0	2391.7	2496.5	2511.9
152.5°	1901.7	1934.6	1967.7	1975.9	2044.7	2136.2	2182.1	2241.8	2361.0	2450.5	2462.3
155°	1969.9	1994.3	2018.7	2024.8	2077.2	2147.1	2182.1	2229.5	2324.5	2395.6	2403.4
157.5°	2020.4	2044.1	2067.9	2073.8	2109.9	2158.0	2182.1	2218.9	2292.8	2348.2	2353.6
160°	2054.5	2072.9	2091.4	2096.0	2124.7	2163.0	2182.1	2213.7	2277.0	2324.5	2327.6
162.5°	2088.6	2102.4	2116.3	2119.7	2140.5	2168.2	2182.1	2208.8	2262.2	2302.2	2305.2
165°	2125.6	2138.1	2150.7	2153.8	2163.3	2175.8	2182.1	2201.2	2239.4	2268.0	2271.2
167.5°	2159.8	2165.7	2171.7	2173.1	2181.0	2191.6	2196.9	2209.4	2234.4	2253.2	2254.6
170°	2182.1	2188.0	2193.9	2195.4	2195.8	2196.5	2196.9	2209.4	2234.4	2253.2	2253.2
172.5°	2193.9	2195.3	2196.6	2196.9	2196.9	2196.9	2196.9	2206.8	2226.6	2241.4	2240.2
175°	2210.3	2210.3	2210.3	2210.3	2205.8	2199.8	2196.9	2203.2	2215.7	2225.1	2225.1
177.5°	2210.3	2210.3	2210.3	2210.3	2206.8	2202.1	2199.8	2204.8	2214.6	2222.1	2220.8
180°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	5255.4	5240.8	5255.4	5245.7	5250.6	5236.0	5192.3	5177.8	5192.3	5206.9	5206.9
5°	5318.4	5308.7	5318.4	5318.4	5313.6	5303.9	5255.4	5245.7	5255.4	5260.2	5250.6
7.5°	5337.8	5323.3	5337.8	5328.1	5328.1	5318.4	5270.0	5260.2	5265.1	5279.6	5265.1
10°	5337.8	5323.3	5337.8	5333.0	5328.1	5318.4	5270.0	5250.6	5250.6	5265.1	5250.6
12.5°	5313.6	5303.9	5313.6	5303.9	5303.9	5294.1	5245.7	5226.3	5231.1	5236.0	5216.6
15°	5274.8	5260.2	5274.8	5265.1	5270.0	5255.4	5202.1	5182.7	5182.7	5192.3	5158.4
17.5°	5216.6	5197.2	5216.6	5211.7	5206.9	5197.2	5148.7	5129.3	5124.5	5129.3	5105.1
20°	5148.7	5134.2	5148.7	5143.9	5143.9	5124.5	5076.0	5051.8	5051.8	5051.8	5027.5
22.5°	5042.1	5027.5	5042.1	5051.8	5051.8	5046.9	5003.2	4969.3	4959.7	4959.7	4930.6
25°	4920.8	4906.3	4920.8	4920.8	4916.1	4920.8	4906.3	4886.9	4872.4	4857.9	4828.8
27.5°	4804.5	4794.9	4804.5	4794.9	4804.5	4790.0	4785.1	4780.3	4760.9	4746.3	4707.6
30°	4688.2	4678.4	4688.2	4678.4	4668.8	4659.1	4634.8	4625.2	4644.5	4634.8	4571.8
32.5°	4542.7	4533.0	4542.7	4542.7	4533.0	4533.0	4494.2	4479.7	4484.6	4513.6	4455.5
35°	4392.4	4377.9	4392.4	4387.6	4392.4	4377.9	4353.7	4348.8	4329.4	4363.3	4319.7
37.5°	4217.9	4203.3	4217.9	4217.9	4217.9	4227.6	4208.2	4193.7	4164.6	4208.2	4174.3
40°	4038.5	4019.1	4038.5	4033.6	4038.5	4048.2	4038.5	4028.9	3999.7	4033.6	4004.6
42.5°	3834.9	3830.0	3834.9	3839.8	3839.8	3859.2	3873.7	3854.3	3844.5	3820.4	3839.8
45°	3616.7	3607.0	3616.7	3626.4	3631.3	3640.9	3684.6	3684.6	3670.1	3631.3	3660.3
47.5°	3384.0	3359.8	3384.0	3413.1	3413.1	3427.7	3471.2	3505.2	3481.0	3432.5	3447.1
50°	3136.8	3141.6	3136.8	3156.2	3156.2	3209.5	3243.4	3277.4	3301.6	3243.4	3175.6
52.5°	2894.3	2889.5	2894.3	2908.9	2928.3	2952.5	3010.7	3044.6	3083.4	3049.5	2942.8
55°	2651.9	2661.7	2651.9	2656.8	2666.5	2681.1	2768.3	2802.3	2874.9	2831.3	2719.8
57.5°	2409.6	2394.9	2409.6	2419.2	2424.1	2438.6	2511.4	2574.4	2618.0	2622.8	2487.1
60°	2128.3	2108.9	2128.3	2172.0	2181.7	2191.3	2259.2	2317.4	2356.2	2370.8	2230.1
62.5°	1881.1	1847.2	1881.1	1910.2	1929.6	1953.8	2002.3	2089.5	2123.4	2128.3	1929.6
65°	1619.3	1604.8	1619.3	1677.5	1682.3	1711.4	1764.7	1827.8	1900.4	1890.8	1604.8
67.5°	1381.7	1381.7	1381.7	1420.5	1449.6	1464.1	1532.0	1561.1	1653.2	1662.9	1338.1
70°	1163.6	1158.7	1163.6	1192.6	1212.0	1246.0	1309.0	1342.9	1415.7	1439.9	1086.0
72.5°	955.1	950.2	955.1	979.4	998.7	1027.8	1081.2	1119.9	1183.0	1212.0	843.6
75°	770.9	761.1	770.9	790.3	785.4	824.2	867.8	906.6	964.7	984.1	625.4
77.5°	591.4	591.4	591.4	610.9	610.9	649.7	669.1	717.5	751.5	780.5	460.6
80°	441.2	436.3	441.2	446.0	446.0	465.5	499.4	533.3	562.4	562.4	315.2
82.5°	310.3	300.5	310.3	310.3	310.3	320.0	339.4	349.1	368.4	383.1	198.7
85°	194.0	194.0	194.0	198.7	194.0	203.6	208.5	218.1	218.1	208.5	121.2
87.5°	126.1	121.2	126.1	121.2	121.2	116.3	116.3	116.3	111.5	106.7	67.9
90°	56.3	56.3	56.3	56.3	56.3	75.2	100.2	112.7	96.8	65.2	41.5
92.5°	225.8	181.0	225.8	270.6	281.8	399.5	556.4	634.9	557.4	402.5	286.3
95°	787.0	651.2	787.0	922.8	956.8	1256.4	1655.9	1855.7	1567.3	990.3	557.7
97.5°	1885.6	1627.2	1885.6	2144.1	2208.7	2398.1	2650.6	2776.9	2295.9	1334.0	612.6
100°	2716.9	2409.0	2716.9	3024.8	3101.7	3087.9	3069.5	3060.2	2526.5	1459.1	658.7
102.5°	3534.6	3270.9	3534.6	3798.3	3864.2	3622.9	3301.1	3140.3	2599.0	1516.5	704.6
105°	4577.0	4435.3	4577.0	4718.8	4754.2	4213.3	3492.0	3131.3	2607.2	1559.0	772.9
107.5°	5259.9	5294.1	5259.9	5225.6	5217.0	4462.4	3456.4	2953.4	2491.3	1567.0	873.7
110°	5520.3	5667.9	5520.3	5372.6	5335.7	4492.1	3367.4	2805.0	2388.4	1555.0	930.1



TEST NUMBER: P935780

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5543.5	5770.3	5543.5	5316.8	5260.0	4396.7	3245.7	2670.1	2298.6	1555.5	998.3
115°	5396.5	5711.0	5396.5	5082.0	5003.4	4171.7	3062.9	2508.4	2195.5	1569.9	1100.6
117.5°	5084.8	5433.6	5084.8	4736.0	4648.8	3898.3	2897.6	2397.1	2131.1	1599.1	1200.1
120°	4833.6	5172.5	4833.6	4494.8	4410.1	3724.3	2809.9	2352.6	2109.4	1622.8	1257.9
122.5°	4589.1	4923.3	4589.1	4254.8	4171.2	3553.7	2730.2	2318.5	2098.0	1656.9	1326.1
125°	4240.1	4548.0	4240.1	3932.2	3855.2	3330.7	2631.1	2281.4	2088.6	1703.0	1413.7
127.5°	3926.3	4186.1	3926.3	3666.5	3601.6	3151.1	2550.5	2250.3	2083.1	1748.9	1498.2
130°	3741.4	3981.4	3741.4	3501.4	3441.4	3040.4	2505.7	2238.4	2086.5	1782.5	1554.5
132.5°	3573.6	3788.5	3573.6	3358.7	3305.0	2946.0	2467.3	2228.0	2088.6	1809.7	1600.6
135°	3343.6	3528.9	3343.6	3158.5	3112.2	2811.5	2410.7	2210.3	2086.7	1839.4	1654.0
137.5°	3159.2	3310.9	3159.2	3007.6	2969.7	2715.5	2376.7	2207.3	2099.5	1883.8	1722.2
140°	3032.7	3174.4	3032.7	2890.9	2855.4	2635.9	2343.2	2196.9	2101.6	1911.1	1768.2
142.5°	2927.8	3049.8	2927.8	2805.9	2775.4	2582.6	2325.4	2196.9	2109.2	1933.8	1802.3
145°	2770.6	2862.9	2770.6	2678.3	2655.2	2497.5	2287.2	2182.1	2109.2	1963.5	1854.2
147.5°	2649.9	2726.4	2649.9	2573.4	2554.3	2430.3	2264.8	2182.1	2123.7	2007.0	1919.5
150°	2574.0	2636.0	2574.0	2511.9	2496.5	2391.7	2252.0	2182.1	2131.3	2029.8	1953.6
152.5°	2509.1	2555.9	2509.1	2462.3	2450.5	2361.0	2241.8	2182.1	2136.2	2044.7	1975.9
155°	2434.4	2465.3	2434.4	2403.4	2395.6	2324.5	2229.5	2182.1	2147.1	2077.2	2024.8
157.5°	2375.4	2397.1	2375.4	2353.6	2348.2	2292.8	2218.9	2182.1	2158.0	2109.9	2073.8
160°	2340.1	2352.6	2340.1	2327.6	2324.5	2277.0	2213.7	2182.1	2163.0	2124.7	2096.0
162.5°	2317.0	2328.9	2317.0	2305.2	2302.2	2262.2	2208.8	2182.1	2168.2	2140.5	2119.7
165°	2283.7	2296.3	2283.7	2271.2	2268.0	2239.4	2201.2	2182.1	2175.8	2163.3	2153.8
167.5°	2259.8	2265.1	2259.8	2254.6	2253.2	2234.4	2209.4	2196.9	2191.6	2181.0	2173.1
170°	2253.2	2253.2	2253.2	2253.2	2253.2	2234.4	2209.4	2196.9	2196.5	2195.8	2195.4
172.5°	2235.6	2231.0	2235.6	2240.2	2241.4	2226.6	2206.8	2196.9	2196.9	2196.9	2196.9
175°	2225.1	2225.1	2225.1	2225.1	2225.1	2215.7	2203.2	2196.9	2199.8	2205.8	2210.3
177.5°	2215.5	2210.3	2215.5	2220.8	2222.1	2214.6	2204.8	2199.8	2202.1	2206.8	2210.3
180°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3



TEST NUMBER: P935780

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	5197.2	5168.2	5168.2	5119.7	5100.3	5085.8	5061.5	4988.7	4969.3	4950.0	4979.1
5°	5240.8	5187.6	5148.7	5061.5	4988.7	4959.7	4867.5	4693.0	4576.6	4489.4	4440.9
7.5°	5250.6	5182.7	5109.9	4974.2	4799.6	4722.1	4440.9	4120.9	4033.6	3956.1	3907.6
10°	5240.8	5163.3	5061.5	4857.9	4445.7	4310.0	4028.9	3820.4	3767.0	3752.5	3767.0
12.5°	5206.9	5134.2	4993.6	4654.2	4077.3	3985.2	3820.4	3699.1	3689.5	3713.7	3844.5
15°	5148.7	5080.9	4916.1	4382.7	3873.7	3805.8	3689.5	3645.8	3699.1	3868.8	4261.5
17.5°	5090.5	5013.0	4809.4	4116.0	3718.6	3670.1	3587.6	3674.9	3975.5	4203.3	4334.3
20°	5013.0	4920.8	4688.2	3922.2	3607.0	3563.4	3524.6	3917.3	4145.2	4227.6	4300.3
22.5°	4920.8	4823.9	4523.4	3786.4	3490.7	3456.7	3481.0	4053.0	4145.2	4203.3	4266.4
25°	4799.6	4717.2	4329.4	3679.7	3398.6	3359.8	3451.8	4038.5	4091.8	4106.4	4232.5
27.5°	4688.2	4581.5	4125.8	3582.8	3287.0	3272.5	3476.1	3975.5	4014.2	4028.9	4164.6
30°	4552.4	4392.4	3897.9	3481.0	3170.7	3165.8	3481.0	3897.9	3888.2	3927.0	4062.8
32.5°	4411.8	4111.3	3640.9	3354.9	3059.2	3054.4	3447.1	3781.5	3771.9	3825.2	3927.0
35°	4280.9	3893.1	3291.9	3209.5	2918.6	2923.4	3364.7	3645.8	3650.7	3699.1	3762.1
37.5°	4145.2	3704.0	2908.9	3049.5	2782.9	2782.9	3253.1	3519.7	3510.1	3524.6	3611.9
40°	3985.2	3408.2	2569.5	2841.0	2656.8	2642.2	3117.4	3384.0	3350.0	3345.3	3466.5
42.5°	3815.5	3083.4	2317.4	2564.7	2511.4	2492.0	2952.5	3219.2	3156.2	3170.7	3325.8
45°	3631.3	2996.1	2123.4	2167.1	2361.0	2346.5	2773.1	3030.1	2986.5	3025.2	3185.2
47.5°	3447.1	2821.6	2060.5	1798.6	2201.1	2196.2	2574.4	2845.9	2821.6	2860.4	3030.1
50°	3195.0	2627.7	2055.6	1541.8	2021.6	2041.0	2336.8	2666.5	2666.5	2700.5	2879.8
52.5°	2870.1	2390.2	1866.5	1396.3	1813.2	1871.4	2128.3	2511.4	2521.0	2555.0	2715.0
55°	2574.4	2142.9	1730.7	1284.8	1565.9	1692.0	1924.7	2351.3	2370.8	2404.7	2550.1
57.5°	2302.9	1784.1	1701.7	1153.8	1338.1	1459.3	1745.4	2196.2	2206.0	2235.0	2375.6
60°	2012.0	1289.6	1561.1	1013.3	1139.3	1231.5	1580.5	2012.0	2045.9	2065.3	2186.5
62.5°	1682.3	935.7	1415.7	916.3	1042.4	1061.8	1444.7	1837.4	1881.1	1895.6	1968.4
65°	1197.5	785.4	1202.3	833.9	940.6	945.4	1299.3	1658.1	1696.8	1721.1	1774.4
67.5°	809.6	639.9	916.3	756.3	862.9	867.8	1158.7	1449.6	1502.9	1522.4	1556.3
70°	562.4	426.6	678.7	673.8	775.7	785.4	1008.4	1260.5	1309.0	1323.5	1342.9
72.5°	412.1	344.2	562.4	606.0	683.6	693.3	853.3	1047.2	1095.7	1110.2	1119.9
75°	315.2	363.6	455.7	528.4	581.8	586.7	698.1	853.3	887.2	896.9	901.7
77.5°	252.1	339.4	334.5	426.6	475.1	465.5	547.9	659.3	688.5	688.5	688.5
80°	189.1	266.6	252.1	305.4	349.1	339.4	392.7	470.2	480.0	489.6	484.9
82.5°	140.6	169.7	169.7	194.0	232.7	223.0	261.8	305.4	305.4	305.4	315.2
85°	87.3	96.9	77.5	101.8	130.9	126.1	145.4	164.8	169.7	169.7	160.0
87.5°	53.3	43.6	24.3	38.8	58.2	58.2	67.9	72.7	67.9	67.9	67.9
90°	38.6	26.6	14.8	26.6	38.6	41.5	65.2	96.8	112.7	100.2	75.2
92.5°	261.1	160.2	59.3	160.2	261.1	286.3	402.5	557.4	634.9	556.4	399.5
95°	511.6	327.0	142.4	327.0	511.6	557.7	990.3	1567.3	1855.7	1655.9	1256.4
97.5°	571.9	409.0	246.2	409.0	571.9	612.6	1334.0	2295.9	2776.9	2650.6	2398.1
100°	621.7	474.1	326.3	474.1	621.7	658.7	1459.1	2526.5	3060.2	3069.5	3087.9
102.5°	670.1	532.4	394.6	532.4	670.1	704.6	1516.5	2599.0	3140.3	3301.1	3622.9
105°	743.7	627.0	510.3	627.0	743.7	772.9	1559.0	2607.2	3131.3	3492.0	4213.3
107.5°	846.5	737.7	629.0	737.7	846.5	873.7	1567.0	2491.3	2953.4	3456.4	4462.4
110°	905.5	807.3	709.1	807.3	905.5	930.1	1555.0	2388.4	2805.0	3367.4	4492.1



TEST NUMBER: P935780

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	974.9	881.3	787.7	881.3	974.9	998.3	1555.5	2298.6	2670.1	3245.7	4396.7
115°	1079.1	992.6	906.3	992.6	1079.1	1100.6	1569.9	2195.5	2508.4	3062.9	4171.7
117.5°	1180.5	1102.0	1023.6	1102.0	1180.5	1200.1	1599.1	2131.1	2397.1	2897.6	3898.3
120°	1239.5	1165.6	1091.8	1165.6	1239.5	1257.9	1622.8	2109.4	2352.6	2809.9	3724.3
122.5°	1307.5	1233.0	1158.5	1233.0	1307.5	1326.1	1656.9	2098.0	2318.5	2730.2	3553.7
125°	1396.7	1328.8	1260.9	1328.8	1396.7	1413.7	1703.0	2088.6	2281.4	2631.1	3330.7
127.5°	1481.1	1412.5	1344.0	1412.5	1481.1	1498.2	1748.9	2083.1	2250.3	2550.5	3151.1
130°	1536.1	1462.3	1388.5	1462.3	1536.1	1554.5	1782.5	2086.5	2238.4	2505.7	3040.4
132.5°	1582.1	1508.2	1434.4	1508.2	1582.1	1600.6	1809.7	2088.6	2228.0	2467.3	2946.0
135°	1637.2	1569.9	1502.7	1569.9	1637.2	1654.0	1839.4	2086.7	2210.3	2410.7	2811.5
137.5°	1705.5	1639.0	1572.4	1639.0	1705.5	1722.2	1883.8	2099.5	2207.3	2376.7	2715.5
140°	1752.8	1691.5	1630.2	1691.5	1752.8	1768.2	1911.1	2101.6	2196.9	2343.2	2635.9
142.5°	1788.1	1731.4	1674.7	1731.4	1788.1	1802.3	1933.8	2109.2	2196.9	2325.4	2582.6
145°	1841.9	1792.4	1743.0	1792.4	1841.9	1854.2	1963.5	2109.2	2182.1	2287.2	2497.5
147.5°	1907.4	1859.3	1811.2	1859.3	1907.4	1919.5	2007.0	2123.7	2182.1	2264.8	2430.3
150°	1942.8	1899.2	1855.7	1899.2	1942.8	1953.6	2029.8	2131.3	2182.1	2252.0	2391.7
152.5°	1967.7	1934.6	1901.7	1934.6	1967.7	1975.9	2044.7	2136.2	2182.1	2241.8	2361.0
155°	2018.7	1994.3	1969.9	1994.3	2018.7	2024.8	2077.2	2147.1	2182.1	2229.5	2324.5
157.5°	2067.9	2044.1	2020.4	2044.1	2067.9	2073.8	2109.9	2158.0	2182.1	2218.9	2292.8
160°	2091.4	2072.9	2054.5	2072.9	2091.4	2096.0	2124.7	2163.0	2182.1	2213.7	2277.0
162.5°	2116.3	2102.4	2088.6	2102.4	2116.3	2119.7	2140.5	2168.2	2182.1	2208.8	2262.2
165°	2150.7	2138.1	2125.6	2138.1	2150.7	2153.8	2163.3	2175.8	2182.1	2201.2	2239.4
167.5°	2171.7	2165.7	2159.8	2165.7	2171.7	2173.1	2181.0	2191.6	2196.9	2209.4	2234.4
170°	2193.9	2188.0	2182.1	2188.0	2193.9	2195.4	2195.8	2196.5	2196.9	2209.4	2234.4
172.5°	2196.6	2195.3	2193.9	2195.3	2196.6	2196.9	2196.9	2196.9	2196.9	2206.8	2226.6
175°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2205.8	2199.8	2196.9	2203.2	2215.7
177.5°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2206.8	2202.1	2199.8	2204.8	2214.6
180°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3



TEST NUMBER: P935780
 CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	4945.1	4930.6	4950.0	4896.7	4950.0	4930.6	4945.1	4979.1	4950.0	4969.3	4988.7
5°	4339.1	4314.9	4237.2	4174.3	4237.2	4314.9	4339.1	4440.9	4489.4	4576.6	4693.0
7.5°	3878.5	3859.2	3839.8	3801.0	3839.8	3859.2	3878.5	3907.6	3956.1	4033.6	4120.9
10°	3776.7	3781.5	3810.6	3805.8	3810.6	3781.5	3776.7	3767.0	3752.5	3767.0	3820.4
12.5°	4038.5	4082.1	4242.1	4232.5	4242.1	4082.1	4038.5	3844.5	3713.7	3689.5	3699.1
15°	4339.1	4353.7	4387.6	4392.4	4387.6	4353.7	4339.1	4261.5	3868.8	3699.1	3645.8
17.5°	4368.2	4373.0	4397.3	4397.3	4397.3	4373.0	4368.2	4334.3	4203.3	3975.5	3674.9
20°	4343.9	4353.7	4402.2	4411.8	4402.2	4353.7	4343.9	4300.3	4227.6	4145.2	3917.3
22.5°	4334.3	4353.7	4392.4	4387.6	4392.4	4353.7	4334.3	4266.4	4203.3	4145.2	4053.0
25°	4285.8	4285.8	4290.6	4295.5	4290.6	4285.8	4285.8	4232.5	4106.4	4091.8	4038.5
27.5°	4184.0	4193.7	4222.7	4217.9	4222.7	4193.7	4184.0	4164.6	4028.9	4014.2	3975.5
30°	4091.8	4082.1	4057.9	4038.5	4057.9	4082.1	4091.8	4062.8	3927.0	3888.2	3897.9
32.5°	3936.7	3912.4	3888.2	3873.7	3888.2	3912.4	3936.7	3927.0	3825.2	3771.9	3781.5
35°	3752.5	3757.4	3752.5	3738.0	3752.5	3757.4	3752.5	3762.1	3699.1	3650.7	3645.8
37.5°	3621.6	3631.3	3626.4	3607.0	3626.4	3631.3	3621.6	3611.9	3524.6	3510.1	3519.7
40°	3485.8	3490.7	3485.8	3471.2	3485.8	3490.7	3485.8	3466.5	3345.3	3350.0	3384.0
42.5°	3354.9	3350.0	3335.5	3325.8	3335.5	3350.0	3354.9	3325.8	3170.7	3156.2	3219.2
45°	3204.6	3209.5	3180.3	3165.8	3180.3	3209.5	3204.6	3185.2	3025.2	2986.5	3030.1
47.5°	3054.4	3054.4	3030.1	3015.5	3030.1	3054.4	3054.4	3030.1	2860.4	2821.6	2845.9
50°	2894.3	2889.5	2855.5	2850.7	2855.5	2889.5	2894.3	2879.8	2700.5	2666.5	2666.5
52.5°	2710.1	2710.1	2715.0	2724.6	2715.0	2710.1	2710.1	2715.0	2555.0	2521.0	2511.4
55°	2550.1	2555.0	2588.9	2598.7	2588.9	2555.0	2550.1	2550.1	2404.7	2370.8	2351.3
57.5°	2385.3	2385.3	2409.6	2409.6	2409.6	2385.3	2385.3	2375.6	2235.0	2206.0	2196.2
60°	2196.2	2206.0	2225.3	2220.5	2225.3	2206.0	2196.2	2186.5	2065.3	2045.9	2012.0
62.5°	1997.5	2007.1	2012.0	2002.3	2012.0	2007.1	1997.5	1968.4	1895.6	1881.1	1837.4
65°	1789.0	1798.6	1803.5	1793.8	1803.5	1798.6	1789.0	1774.4	1721.1	1696.8	1658.1
67.5°	1575.7	1570.8	1565.9	1585.3	1565.9	1570.8	1575.7	1556.3	1522.4	1502.9	1449.6
70°	1357.4	1357.4	1352.7	1362.3	1352.7	1357.4	1357.4	1342.9	1323.5	1309.0	1260.5
72.5°	1124.8	1119.9	1139.3	1124.8	1139.3	1119.9	1124.8	1119.9	1110.2	1095.7	1047.2
75°	896.9	906.6	896.9	911.5	896.9	906.6	896.9	901.7	896.9	887.2	853.3
77.5°	683.6	693.3	683.6	683.6	683.6	693.3	683.6	688.5	688.5	688.5	659.3
80°	484.9	480.0	480.0	475.1	480.0	480.0	484.9	484.9	489.6	480.0	470.2
82.5°	310.3	305.4	305.4	315.2	305.4	305.4	310.3	315.2	305.4	305.4	305.4
85°	169.7	174.6	164.8	164.8	164.8	174.6	169.7	160.0	169.7	169.7	164.8
87.5°	63.0	58.2	58.2	58.2	58.2	58.2	63.0	67.9	67.9	67.9	72.7
90°	56.3	56.3	56.3	56.3	56.3	56.3	56.3	75.2	100.2	112.7	96.8
92.5°	281.8	270.6	225.8	181.0	225.8	270.6	281.8	399.5	556.4	634.9	557.4
95°	956.8	922.8	787.0	651.2	787.0	922.8	956.8	1256.4	1655.9	1855.7	1567.3
97.5°	2208.7	2144.1	1885.6	1627.2	1885.6	2144.1	2208.7	2398.1	2650.6	2776.9	2295.9
100°	3101.7	3024.8	2716.9	2409.0	2716.9	3024.8	3101.7	3087.9	3069.5	3060.2	2526.5
102.5°	3864.2	3798.3	3534.6	3270.9	3534.6	3798.3	3864.2	3622.9	3301.1	3140.3	2599.0
105°	4754.2	4718.8	4577.0	4435.3	4577.0	4718.8	4754.2	4213.3	3492.0	3131.3	2607.2
107.5°	5217.0	5225.6	5259.9	5294.1	5259.9	5225.6	5217.0	4462.4	3456.4	2953.4	2491.3
110°	5335.7	5372.6	5520.3	5667.9	5520.3	5372.6	5335.7	4492.1	3367.4	2805.0	2388.4



TEST NUMBER: P935780

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5260.0	5316.8	5543.5	5770.3	5543.5	5316.8	5260.0	4396.7	3245.7	2670.1	2298.6
115°	5003.4	5082.0	5396.5	5711.0	5396.5	5082.0	5003.4	4171.7	3062.9	2508.4	2195.5
117.5°	4648.8	4736.0	5084.8	5433.6	5084.8	4736.0	4648.8	3898.3	2897.6	2397.1	2131.1
120°	4410.1	4494.8	4833.6	5172.5	4833.6	4494.8	4410.1	3724.3	2809.9	2352.6	2109.4
122.5°	4171.2	4254.8	4589.1	4923.3	4589.1	4254.8	4171.2	3553.7	2730.2	2318.5	2098.0
125°	3855.2	3932.2	4240.1	4548.0	4240.1	3932.2	3855.2	3330.7	2631.1	2281.4	2088.6
127.5°	3601.6	3666.5	3926.3	4186.1	3926.3	3666.5	3601.6	3151.1	2550.5	2250.3	2083.1
130°	3441.4	3501.4	3741.4	3981.4	3741.4	3501.4	3441.4	3040.4	2505.7	2238.4	2086.5
132.5°	3305.0	3358.7	3573.6	3788.5	3573.6	3358.7	3305.0	2946.0	2467.3	2228.0	2088.6
135°	3112.2	3158.5	3343.6	3528.9	3343.6	3158.5	3112.2	2811.5	2410.7	2210.3	2086.7
137.5°	2969.7	3007.6	3159.2	3310.9	3159.2	3007.6	2969.7	2715.5	2376.7	2207.3	2099.5
140°	2855.4	2890.9	3032.7	3174.4	3032.7	2890.9	2855.4	2635.9	2343.2	2196.9	2101.6
142.5°	2775.4	2805.9	2927.8	3049.8	2927.8	2805.9	2775.4	2582.6	2325.4	2196.9	2109.2
145°	2655.2	2678.3	2770.6	2862.9	2770.6	2678.3	2655.2	2497.5	2287.2	2182.1	2109.2
147.5°	2554.3	2573.4	2649.9	2726.4	2649.9	2573.4	2554.3	2430.3	2264.8	2182.1	2123.7
150°	2496.5	2511.9	2574.0	2636.0	2574.0	2511.9	2496.5	2391.7	2252.0	2182.1	2131.3
152.5°	2450.5	2462.3	2509.1	2555.9	2509.1	2462.3	2450.5	2361.0	2241.8	2182.1	2136.2
155°	2395.6	2403.4	2434.4	2465.3	2434.4	2403.4	2395.6	2324.5	2229.5	2182.1	2147.1
157.5°	2348.2	2353.6	2375.4	2397.1	2375.4	2353.6	2348.2	2292.8	2218.9	2182.1	2158.0
160°	2324.5	2327.6	2340.1	2352.6	2340.1	2327.6	2324.5	2277.0	2213.7	2182.1	2163.0
162.5°	2302.2	2305.2	2317.0	2328.9	2317.0	2305.2	2302.2	2262.2	2208.8	2182.1	2168.2
165°	2268.0	2271.2	2283.7	2296.3	2283.7	2271.2	2268.0	2239.4	2201.2	2182.1	2175.8
167.5°	2253.2	2254.6	2259.8	2265.1	2259.8	2254.6	2253.2	2234.4	2209.4	2196.9	2191.6
170°	2253.2	2253.2	2253.2	2253.2	2253.2	2253.2	2253.2	2234.4	2209.4	2196.9	2196.5
172.5°	2241.4	2240.2	2235.6	2231.0	2235.6	2240.2	2241.4	2226.6	2206.8	2196.9	2196.9
175°	2225.1	2225.1	2225.1	2225.1	2225.1	2225.1	2225.1	2215.7	2203.2	2196.9	2199.8
177.5°	2222.1	2220.8	2215.5	2210.3	2215.5	2220.8	2222.1	2214.6	2204.8	2199.8	2202.1
180°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3



TEST NUMBER: P935780

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	5061.5	5085.8	5100.3	5119.7	5168.2
5°	4867.5	4959.7	4988.7	5061.5	5148.7
7.5°	4440.9	4722.1	4799.6	4974.2	5109.9
10°	4028.9	4310.0	4445.7	4857.9	5061.5
12.5°	3820.4	3985.2	4077.3	4654.2	4993.6
15°	3689.5	3805.8	3873.7	4382.7	4916.1
17.5°	3587.6	3670.1	3718.6	4116.0	4809.4
20°	3524.6	3563.4	3607.0	3922.2	4688.2
22.5°	3481.0	3456.7	3490.7	3786.4	4523.4
25°	3451.8	3359.8	3398.6	3679.7	4329.4
27.5°	3476.1	3272.5	3287.0	3582.8	4125.8
30°	3481.0	3165.8	3170.7	3481.0	3897.9
32.5°	3447.1	3054.4	3059.2	3354.9	3640.9
35°	3364.7	2923.4	2918.6	3209.5	3291.9
37.5°	3253.1	2782.9	2782.9	3049.5	2908.9
40°	3117.4	2642.2	2656.8	2841.0	2569.5
42.5°	2952.5	2492.0	2511.4	2564.7	2317.4
45°	2773.1	2346.5	2361.0	2167.1	2123.4
47.5°	2574.4	2196.2	2201.1	1798.6	2060.5
50°	2336.8	2041.0	2021.6	1541.8	2055.6
52.5°	2128.3	1871.4	1813.2	1396.3	1866.5
55°	1924.7	1692.0	1565.9	1284.8	1730.7
57.5°	1745.4	1459.3	1338.1	1153.8	1701.7
60°	1580.5	1231.5	1139.3	1013.3	1561.1
62.5°	1444.7	1061.8	1042.4	916.3	1415.7
65°	1299.3	945.4	940.6	833.9	1202.3
67.5°	1158.7	867.8	862.9	756.3	916.3
70°	1008.4	785.4	775.7	673.8	678.7
72.5°	853.3	693.3	683.6	606.0	562.4
75°	698.1	586.7	581.8	528.4	455.7
77.5°	547.9	465.5	475.1	426.6	334.5
80°	392.7	339.4	349.1	305.4	252.1
82.5°	261.8	223.0	232.7	194.0	169.7
85°	145.4	126.1	130.9	101.8	77.5
87.5°	67.9	58.2	58.2	38.8	24.3
90°	65.2	41.5	38.6	26.6	14.8
92.5°	402.5	286.3	261.1	160.2	59.3
95°	990.3	557.7	511.6	327.0	142.4
97.5°	1334.0	612.6	571.9	409.0	246.2
100°	1459.1	658.7	621.7	474.1	326.3
102.5°	1516.5	704.6	670.1	532.4	394.6
105°	1559.0	772.9	743.7	627.0	510.3
107.5°	1567.0	873.7	846.5	737.7	629.0
110°	1555.0	930.1	905.5	807.3	709.1



TEST NUMBER: P935780

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1555.5	998.3	974.9	881.3	787.7
115°	1569.9	1100.6	1079.1	992.6	906.3
117.5°	1599.1	1200.1	1180.5	1102.0	1023.6
120°	1622.8	1257.9	1239.5	1165.6	1091.8
122.5°	1656.9	1326.1	1307.5	1233.0	1158.5
125°	1703.0	1413.7	1396.7	1328.8	1260.9
127.5°	1748.9	1498.2	1481.1	1412.5	1344.0
130°	1782.5	1554.5	1536.1	1462.3	1388.5
132.5°	1809.7	1600.6	1582.1	1508.2	1434.4
135°	1839.4	1654.0	1637.2	1569.9	1502.7
137.5°	1883.8	1722.2	1705.5	1639.0	1572.4
140°	1911.1	1768.2	1752.8	1691.5	1630.2
142.5°	1933.8	1802.3	1788.1	1731.4	1674.7
145°	1963.5	1854.2	1841.9	1792.4	1743.0
147.5°	2007.0	1919.5	1907.4	1859.3	1811.2
150°	2029.8	1953.6	1942.8	1899.2	1855.7
152.5°	2044.7	1975.9	1967.7	1934.6	1901.7
155°	2077.2	2024.8	2018.7	1994.3	1969.9
157.5°	2109.9	2073.8	2067.9	2044.1	2020.4
160°	2124.7	2096.0	2091.4	2072.9	2054.5
162.5°	2140.5	2119.7	2116.3	2102.4	2088.6
165°	2163.3	2153.8	2150.7	2138.1	2125.6
167.5°	2181.0	2173.1	2171.7	2165.7	2159.8
170°	2195.8	2195.4	2193.9	2188.0	2182.1
172.5°	2196.9	2196.9	2196.6	2195.3	2193.9
175°	2205.8	2210.3	2210.3	2210.3	2210.3
177.5°	2206.8	2210.3	2210.3	2210.3	2210.3
180°	2210.3	2210.3	2210.3	2210.3	2210.3



TEST NUMBER: P935780
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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.24	15.08	15.21	16.07	17.37	17.09	17.93	18.06	18.92	20.22
	3H	14.71	15.47	15.70	16.47	17.78	18.44	19.20	19.42	20.19	21.51
	4H	14.90	15.62	15.90	16.62	17.95	18.89	19.60	19.88	20.60	21.93
	6H	15.02	15.68	16.03	16.68	18.02	19.18	19.84	20.18	20.84	22.18
	8H	15.02	15.65	16.04	16.67	18.01	19.25	19.88	20.27	20.90	22.24
	12H	14.99	15.59	16.01	16.60	17.96	19.29	19.89	20.31	20.91	22.27
4H	2H	15.27	15.99	16.28	16.99	18.32	17.49	18.21	18.50	19.21	20.54
	3H	16.30	16.90	17.31	17.92	19.26	19.01	19.60	20.02	20.63	21.97
	4H	16.57	17.12	17.59	18.14	19.50	19.54	20.08	20.56	21.10	22.47
	6H	16.70	17.17	17.73	18.21	19.57	19.91	20.38	20.94	21.42	22.78
	8H	16.70	17.14	17.74	18.18	19.55	20.02	20.45	21.05	21.49	22.87
	12H	16.67	17.07	17.72	18.12	19.50	20.08	20.47	21.13	21.52	22.91
8H	4H	17.03	17.47	18.06	18.50	19.88	19.66	20.10	20.69	21.14	22.51
	6H	17.29	17.65	18.35	18.73	20.10	20.10	20.46	21.16	21.54	22.92
	8H	17.33	17.65	18.40	18.71	20.11	20.26	20.57	21.32	21.64	23.03
	12H	17.32	17.60	18.38	18.65	20.09	20.36	20.64	21.43	21.70	23.13
12H	4H	17.04	17.43	18.09	18.48	19.86	19.62	20.02	20.67	21.07	22.45
	6H	17.35	17.67	18.42	18.73	20.13	20.10	20.42	21.16	21.48	22.87
	8H	17.42	17.70	18.49	18.76	20.19	20.26	20.54	21.33	21.60	23.04