

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: P934575

Luminaire Tested: SQ4-FA-050U-125D-940-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934575
REPORT IS A COMBINATION OF REPORTS P933703 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-125D-940-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

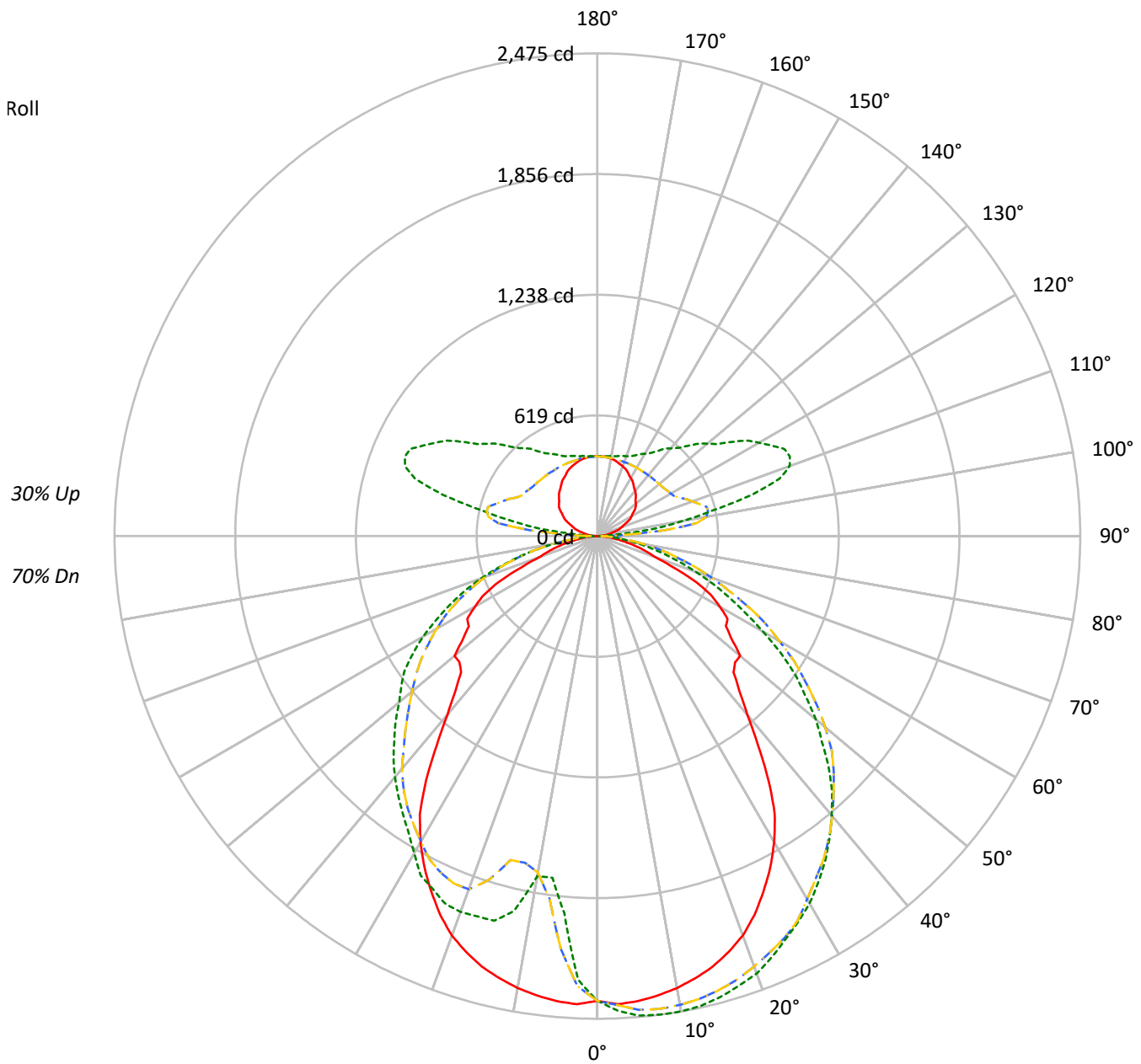
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8830.3 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 84
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P934575
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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	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	70
1	102	98	94	90	97	93	89	86	83	80	78	74	72	70	66	65	63	63	63	63	59
2	93	86	79	74	88	81	76	71	73	68	65	65	62	59	58	56	53	53	53	53	50
3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	45	45	45	45	42
4	78	67	58	52	73	63	56	50	57	51	46	51	47	43	46	42	39	39	39	39	36
5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	34	34	34	34	31
6	66	53	45	39	62	51	43	38	46	40	35	42	36	32	38	33	30	30	30	30	27
7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	27	27	27	27	24
8	57	44	36	30	54	42	35	29	38	32	28	35	29	26	31	27	24	24	24	24	22
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	21	21	21	19
10	49	37	30	25	47	35	28	24	32	26	22	30	25	21	27	23	19	19	19	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14737	14737	14737	14737
5°	14842	14876	14842	11697
10°	14737	14655	14737	10477
15°	14572	14337	14572	11972
20°	14262	13961	14262	11996
25°	13632	13412	13632	11742
30°	12821	12957	12821	11185
35°	11424	12380	11424	10571
40°	9513	11702	9513	10108
45°	8495	10909	8495	9575
50°	9018	9962	9018	9040
55°	8476	8941	8476	8730
60°	8728	7594	8728	7996
65°	7900	6278	7900	7017
70°	5457	5003	5457	5882
75°	4768	3699	4768	4429
80°	3815	2444	3815	2661
85°	2152	1294	2152	1100

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13028 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.0	2.4
10°-20°	610.6	6.9
20°-30°	943.8	10.7
30°-40°	1126.7	12.8
40°-50°	1133.3	12.8
50°-60°	986.1	11.2
60°-70°	699.2	7.9
70°-80°	369.9	4.2
80°-90°	93.7	1.1
90°-100°	199.4	2.3
100°-110°	524.2	5.9
110°-120°	543.6	6.2
120°-130°	436.0	4.9
130°-140°	342.1	3.9
140°-150°	262.6	3.0
150°-160°	189.1	2.1
160°-170°	115.7	1.3
170°-180°	39.1	0.4
0°-30°	1769.5	20.0
0°-40°	2896.2	32.8
0°-60°	5015.7	56.8
0°-90°	6178.5	70.0
90°-120°	1267.2	14.4
90°-150°	2307.9	26.1
90°-180°	2652.0	30.0
0°-180°	8830.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2382	2382	2382	2382	2382	
5°	2394	2468	2394	1940	2394	227
15°	2285	2446	2285	2042	2285	643
25°	2013	2281	2013	1997	2013	924
35°	1530	2035	1530	1738	1530	947
45°	987	1677	987	1472	987	791
55°	805	1237	805	1208	805	739
65°	559	746	559	834	559	534
75°	212	354	212	424	212	223
85°	36	90	36	77	36	49
90°	3	10	3	10	3	4
95°	26	120	26	120	26	29
105°	94	821	94	821	94	100
115°	168	1057	168	1057	168	166
125°	233	842	233	842	233	207
135°	278	653	278	653	278	215
145°	323	530	323	530	323	202
155°	365	456	365	456	365	168
165°	393	425	393	425	393	111
175°	409	412	409	412	409	39
180°	409	409	409	409	409	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3
2.5°	2402.6	2402.6	2416.2	2420.6	2420.6	2413.9	2407.1	2413.9	2434.2	2440.9	2438.6
5°	2393.6	2411.6	2436.4	2440.9	2445.5	2443.2	2438.6	2443.2	2465.7	2470.2	2472.5
7.5°	2375.6	2409.3	2440.9	2447.7	2454.4	2447.7	2445.5	2449.9	2472.5	2477.0	2477.0
10°	2353.0	2400.4	2436.4	2440.9	2447.7	2440.9	2440.9	2449.9	2472.5	2477.0	2479.2
12.5°	2321.5	2386.9	2420.6	2425.1	2434.2	2431.9	2429.7	2438.6	2461.2	2465.7	2465.7
15°	2285.4	2362.0	2393.6	2398.1	2413.9	2409.3	2409.3	2418.4	2443.2	2449.9	2447.7
17.5°	2235.8	2330.5	2366.5	2373.3	2384.5	2382.3	2384.5	2393.6	2416.2	2420.6	2422.9
20°	2179.5	2287.7	2330.5	2337.2	2348.5	2348.5	2348.5	2359.8	2382.3	2391.3	2391.3
22.5°	2102.9	2242.6	2287.7	2292.2	2305.7	2305.7	2310.2	2325.9	2346.3	2348.5	2348.5
25°	2012.7	2193.0	2231.3	2244.9	2258.4	2265.1	2271.9	2280.9	2287.7	2285.4	2287.7
27.5°	1918.0	2129.9	2179.5	2188.5	2206.5	2213.3	2222.3	2224.5	2226.8	2233.6	2229.1
30°	1812.1	2042.0	2116.4	2125.3	2154.6	2159.2	2150.2	2154.6	2165.9	2170.4	2175.0
32.5°	1692.6	1911.2	2051.0	2071.3	2098.3	2084.8	2082.5	2089.3	2107.3	2107.3	2111.8
35°	1530.4	1809.8	1990.2	2008.2	2028.5	2012.7	2021.7	2023.9	2035.2	2042.0	2039.7
37.5°	1352.3	1721.9	1927.0	1940.5	1956.4	1936.0	1949.6	1956.4	1965.3	1960.9	1960.9
40°	1194.5	1584.5	1852.6	1861.7	1875.2	1859.4	1873.0	1877.5	1881.9	1877.5	1875.2
42.5°	1077.3	1433.4	1773.8	1785.1	1776.0	1787.3	1791.8	1800.9	1794.0	1785.1	1785.1
45°	987.2	1392.9	1688.1	1701.7	1688.1	1706.2	1713.0	1713.0	1692.6	1688.1	1685.9
47.5°	957.9	1311.8	1602.5	1602.5	1595.7	1618.3	1629.6	1613.8	1593.4	1586.7	1586.7
50°	955.7	1221.6	1485.3	1476.3	1507.8	1534.9	1523.6	1507.8	1492.0	1467.2	1467.2
52.5°	867.8	1111.2	1334.3	1368.1	1417.7	1433.4	1415.4	1399.7	1372.6	1361.3	1352.3
55°	804.6	996.2	1196.8	1264.4	1316.3	1336.5	1302.7	1287.0	1246.4	1239.6	1235.1
57.5°	791.1	829.4	1070.6	1156.3	1219.3	1217.1	1196.8	1167.5	1133.7	1127.0	1124.7
60°	725.8	599.5	935.3	1036.7	1102.1	1095.3	1077.3	1050.3	1018.7	1014.3	1009.7
62.5°	658.1	435.0	782.1	897.1	989.4	987.2	971.4	930.8	908.3	897.1	888.0
65°	559.0	365.1	556.7	746.0	879.0	883.5	849.7	820.4	795.6	782.1	779.8
67.5°	426.0	297.5	376.4	622.0	773.1	768.6	725.8	712.2	680.7	673.9	660.4
70°	315.5	198.4	261.4	504.8	669.4	658.1	624.4	608.5	579.2	563.4	554.5
72.5°	261.4	160.0	191.5	392.1	563.4	549.9	520.6	502.6	477.8	464.3	455.3
75°	211.9	169.1	146.5	290.7	457.5	448.5	421.4	403.4	383.2	365.1	367.4
77.5°	155.5	157.8	117.2	214.1	362.8	349.3	333.5	311.1	302.0	284.0	284.0
80°	117.2	124.0	87.9	146.5	261.4	261.4	247.9	232.1	216.4	207.3	207.3
82.5°	78.9	78.9	65.4	92.4	178.0	171.3	162.2	157.8	148.7	144.2	144.2
85°	36.1	45.1	40.6	56.4	96.9	101.4	101.4	96.9	94.7	90.1	92.4
87.5°	11.3	20.2	24.8	31.5	49.6	51.9	54.1	54.1	54.1	56.4	56.4
90°	2.8	5.0	7.2	7.7	12.1	17.9	20.9	18.6	13.9	10.4	10.4
92.5°	11.0	29.7	48.3	53.0	74.5	103.2	117.5	102.9	73.9	52.1	50.1
95°	26.4	60.5	94.7	103.2	183.3	290.1	343.5	306.5	232.6	177.1	170.8
97.5°	45.6	75.7	105.8	113.4	247.0	425.0	514.0	490.6	443.8	408.7	396.8
100°	60.4	87.7	115.1	121.9	270.0	467.6	566.4	568.1	571.5	574.1	559.9
102.5°	73.0	98.6	124.1	130.4	280.7	481.0	581.2	610.9	670.5	715.2	703.0
105°	94.5	116.1	137.6	143.1	288.5	482.5	579.5	646.3	779.8	879.9	873.3
107.5°	116.4	136.6	156.6	161.7	290.0	461.0	546.6	639.6	825.8	965.5	967.1
110°	131.2	149.4	167.6	172.1	287.8	442.0	519.1	623.2	831.4	987.5	994.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	145.8	163.1	180.4	184.8	287.9	425.4	494.2	600.7	813.8	973.5	984.0
115°	167.7	183.7	199.7	203.7	290.6	406.3	464.2	566.9	772.1	926.0	940.6
117.5°	189.4	204.0	218.4	222.1	296.0	394.4	443.6	536.3	721.5	860.4	876.5
120°	202.0	215.7	229.4	232.8	300.3	390.4	435.4	520.0	689.3	816.2	831.9
122.5°	214.5	228.2	242.0	245.4	306.6	388.2	429.1	505.3	657.7	772.0	787.5
125°	233.4	245.9	258.5	261.6	315.2	386.5	422.2	487.0	616.4	713.5	727.7
127.5°	248.7	261.4	274.1	277.3	323.7	385.6	416.5	472.1	583.1	666.5	678.5
130°	257.0	270.7	284.3	287.7	329.9	386.1	414.3	463.7	562.7	637.0	648.1
132.5°	265.5	279.2	292.9	296.2	335.0	386.5	412.4	456.7	545.2	611.7	621.6
135°	278.1	290.6	303.0	306.1	340.5	386.2	409.1	446.2	520.4	576.0	584.6
137.5°	291.0	303.3	315.6	318.7	348.6	388.5	408.5	439.8	502.5	549.6	556.6
140°	301.7	313.1	324.4	327.2	353.7	388.9	406.6	433.7	487.9	528.4	535.0
142.5°	309.9	320.4	330.9	333.5	357.9	390.4	406.6	430.4	477.9	513.6	519.3
145°	322.6	331.8	340.9	343.2	363.5	390.4	403.9	423.3	462.2	491.4	495.7
147.5°	335.2	344.1	353.1	355.3	371.5	393.0	403.9	419.1	449.8	472.8	476.3
150°	343.5	351.6	359.6	361.6	375.7	394.4	403.9	416.8	442.7	462.0	464.9
152.5°	351.9	358.0	364.2	365.7	378.4	395.3	403.9	414.9	437.0	453.5	455.6
155°	364.6	369.1	373.6	374.7	384.4	397.4	403.9	412.7	430.2	443.4	444.8
157.5°	373.9	378.3	382.7	383.8	390.5	399.4	403.9	410.7	424.4	434.6	435.6
160°	380.2	383.6	387.0	387.9	393.2	400.3	403.9	409.7	421.4	430.2	430.8
162.5°	386.5	389.1	391.7	392.3	396.1	401.3	403.9	408.8	418.7	426.1	426.6
165°	393.4	395.7	398.0	398.6	400.4	402.7	403.9	407.4	414.4	419.8	420.4
167.5°	399.7	400.8	401.9	402.2	403.7	405.6	406.6	408.9	413.5	417.0	417.3
170°	403.9	404.9	406.1	406.3	406.4	406.5	406.6	408.9	413.5	417.0	417.0
172.5°	406.1	406.3	406.5	406.6	406.6	406.6	406.6	408.4	412.0	414.8	414.6
175°	409.1	409.1	409.1	409.1	408.3	407.1	406.6	407.8	410.1	411.8	411.8
177.5°	409.1	409.1	409.1	409.1	408.5	407.6	407.1	408.0	409.9	411.2	411.0
180°	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3
2.5°	2443.2	2436.4	2443.2	2438.6	2440.9	2434.2	2413.9	2407.1	2413.9	2420.6	2420.6
5°	2472.5	2467.9	2472.5	2472.5	2470.2	2465.7	2443.2	2438.6	2443.2	2445.5	2440.9
7.5°	2481.5	2474.8	2481.5	2477.0	2477.0	2472.5	2449.9	2445.5	2447.7	2454.4	2447.7
10°	2481.5	2474.8	2481.5	2479.2	2477.0	2472.5	2449.9	2440.9	2440.9	2447.7	2440.9
12.5°	2470.2	2465.7	2470.2	2465.7	2465.7	2461.2	2438.6	2429.7	2431.9	2434.2	2425.1
15°	2452.2	2445.5	2452.2	2447.7	2449.9	2443.2	2418.4	2409.3	2409.3	2413.9	2398.1
17.5°	2425.1	2416.2	2425.1	2422.9	2420.6	2416.2	2393.6	2384.5	2382.3	2384.5	2373.3
20°	2393.6	2386.9	2393.6	2391.3	2391.3	2382.3	2359.8	2348.5	2348.5	2348.5	2337.2
22.5°	2344.0	2337.2	2344.0	2348.5	2348.5	2346.3	2325.9	2310.2	2305.7	2305.7	2292.2
25°	2287.7	2280.9	2287.7	2287.7	2285.4	2287.7	2280.9	2271.9	2265.1	2258.4	2244.9
27.5°	2233.6	2229.1	2233.6	2229.1	2233.6	2226.8	2224.5	2222.3	2213.3	2206.5	2188.5
30°	2179.5	2175.0	2179.5	2175.0	2170.4	2165.9	2154.6	2150.2	2159.2	2154.6	2125.3
32.5°	2111.8	2107.3	2111.8	2111.8	2107.3	2107.3	2089.3	2082.5	2084.8	2098.3	2071.3
35°	2042.0	2035.2	2042.0	2039.7	2042.0	2035.2	2023.9	2021.7	2012.7	2028.5	2008.2
37.5°	1960.9	1954.0	1960.9	1960.9	1960.9	1965.3	1956.4	1949.6	1936.0	1956.4	1940.5
40°	1877.5	1868.4	1877.5	1875.2	1877.5	1881.9	1877.5	1873.0	1859.4	1875.2	1861.7
42.5°	1782.8	1780.5	1782.8	1785.1	1785.1	1794.0	1800.9	1791.8	1787.3	1776.0	1785.1
45°	1681.3	1676.9	1681.3	1685.9	1688.1	1692.6	1713.0	1713.0	1706.2	1688.1	1701.7
47.5°	1573.2	1561.9	1573.2	1586.7	1586.7	1593.4	1613.8	1629.6	1618.3	1595.7	1602.5
50°	1458.3	1460.5	1458.3	1467.2	1467.2	1492.0	1507.8	1523.6	1534.9	1507.8	1476.3
52.5°	1345.6	1343.3	1345.6	1352.3	1361.3	1372.6	1399.7	1415.4	1433.4	1417.7	1368.1
55°	1232.8	1237.3	1232.8	1235.1	1239.6	1246.4	1287.0	1302.7	1336.5	1316.3	1264.4
57.5°	1120.1	1113.4	1120.1	1124.7	1127.0	1133.7	1167.5	1196.8	1217.1	1219.3	1156.3
60°	989.4	980.4	989.4	1009.7	1014.3	1018.7	1050.3	1077.3	1095.3	1102.1	1036.7
62.5°	874.5	858.7	874.5	888.0	897.1	908.3	930.8	971.4	987.2	989.4	897.1
65°	752.8	746.0	752.8	779.8	782.1	795.6	820.4	849.7	883.5	879.0	746.0
67.5°	642.4	642.4	642.4	660.4	673.9	680.7	712.2	725.8	768.6	773.1	622.0
70°	540.9	538.7	540.9	554.5	563.4	579.2	608.5	624.4	658.1	669.4	504.8
72.5°	444.0	441.8	444.0	455.3	464.3	477.8	502.6	520.6	549.9	563.4	392.1
75°	358.4	353.9	358.4	367.4	365.1	383.2	403.4	421.4	448.5	457.5	290.7
77.5°	275.0	275.0	275.0	284.0	284.0	302.0	311.1	333.5	349.3	362.8	214.1
80°	205.1	202.8	205.1	207.3	207.3	216.4	232.1	247.9	261.4	261.4	146.5
82.5°	144.2	139.8	144.2	144.2	144.2	148.7	157.8	162.2	171.3	178.0	92.4
85°	90.1	90.1	90.1	92.4	90.1	94.7	96.9	101.4	101.4	96.9	56.4
87.5°	58.6	56.4	58.6	56.4	56.4	54.1	54.1	54.1	51.9	49.6	31.5
90°	10.4	10.4	10.4	10.4	10.4	13.9	18.6	20.9	17.9	12.1	7.7
92.5°	41.7	33.5	41.7	50.1	52.1	73.9	102.9	117.5	103.2	74.5	53.0
95°	145.6	120.5	145.6	170.8	177.1	232.6	306.5	343.5	290.1	183.3	103.2
97.5°	349.0	301.2	349.0	396.8	408.7	443.8	490.6	514.0	425.0	247.0	113.4
100°	502.9	445.9	502.9	559.9	574.1	571.5	568.1	566.4	467.6	270.0	121.9
102.5°	654.2	605.3	654.2	703.0	715.2	670.5	610.9	581.2	481.0	280.7	130.4
105°	847.2	820.9	847.2	873.3	879.9	779.8	646.3	579.5	482.5	288.5	143.1
107.5°	973.4	979.8	973.4	967.1	965.5	825.8	639.6	546.6	461.0	290.0	161.7
110°	1021.6	1049.0	1021.6	994.4	987.5	831.4	623.2	519.1	442.0	287.8	172.1



TEST NUMBER: P934575

CATALOG NUMBER: SQ4-FA-050U-125D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1026.0	1067.9	1026.0	984.0	973.5	813.8	600.7	494.2	425.4	287.9	184.8
115°	998.7	1057.0	998.7	940.6	926.0	772.1	566.9	464.2	406.3	290.6	203.7
117.5°	941.1	1005.7	941.1	876.5	860.4	721.5	536.3	443.6	394.4	296.0	222.1
120°	894.6	957.4	894.6	831.9	816.2	689.3	520.0	435.4	390.4	300.3	232.8
122.5°	849.4	911.2	849.4	787.5	772.0	657.7	505.3	429.1	388.2	306.6	245.4
125°	784.7	841.7	784.7	727.7	713.5	616.4	487.0	422.2	386.5	315.2	261.6
127.5°	726.7	774.8	726.7	678.5	666.5	583.1	472.1	416.5	385.6	323.7	277.3
130°	692.5	736.9	692.5	648.1	637.0	562.7	463.7	414.3	386.1	329.9	287.7
132.5°	661.4	701.2	661.4	621.6	611.7	545.2	456.7	412.4	386.5	335.0	296.2
135°	618.8	653.1	618.8	584.6	576.0	520.4	446.2	409.1	386.2	340.5	306.1
137.5°	584.7	612.8	584.7	556.6	549.6	502.5	439.8	408.5	388.5	348.6	318.7
140°	561.2	587.5	561.2	535.0	528.4	487.9	433.7	406.6	388.9	353.7	327.2
142.5°	541.9	564.4	541.9	519.3	513.6	477.9	430.4	406.6	390.4	357.9	333.5
145°	512.8	529.9	512.8	495.7	491.4	462.2	423.3	403.9	390.4	363.5	343.2
147.5°	490.4	504.6	490.4	476.3	472.8	449.8	419.1	403.9	393.0	371.5	355.3
150°	476.4	487.9	476.4	464.9	462.0	442.7	416.8	403.9	394.4	375.7	361.6
152.5°	464.3	473.0	464.3	455.6	453.5	437.0	414.9	403.9	395.3	378.4	365.7
155°	450.6	456.3	450.6	444.8	443.4	430.2	412.7	403.9	397.4	384.4	374.7
157.5°	439.6	443.6	439.6	435.6	434.6	424.4	410.7	403.9	399.4	390.5	383.8
160°	433.1	435.4	433.1	430.8	430.2	421.4	409.7	403.9	400.3	393.2	387.9
162.5°	428.8	431.0	428.8	426.6	426.1	418.7	408.8	403.9	401.3	396.1	392.3
165°	422.7	425.0	422.7	420.4	419.8	414.4	407.4	403.9	402.7	400.4	398.6
167.5°	418.2	419.2	418.2	417.3	417.0	413.5	408.9	406.6	405.6	403.7	402.2
170°	417.0	417.0	417.0	417.0	417.0	413.5	408.9	406.6	406.5	406.4	406.3
172.5°	413.7	412.9	413.7	414.6	414.8	412.0	408.4	406.6	406.6	406.6	406.6
175°	411.8	411.8	411.8	411.8	411.8	410.1	407.8	406.6	407.1	408.3	409.1
177.5°	410.1	409.1	410.1	411.0	411.2	409.9	408.0	407.1	407.6	408.5	409.1
180°	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1



TEST NUMBER: P934575

CATALOG NUMBER: SQ4-FA-050U-125D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3
2.5°	2416.2	2402.6	2402.6	2380.1	2371.0	2364.3	2353.0	2319.2	2310.2	2301.2	2314.7
5°	2436.4	2411.6	2393.6	2353.0	2319.2	2305.7	2262.9	2181.7	2127.6	2087.1	2064.5
7.5°	2440.9	2409.3	2375.6	2312.4	2231.3	2195.2	2064.5	1915.8	1875.2	1839.1	1816.6
10°	2436.4	2400.4	2353.0	2258.4	2066.8	2003.7	1873.0	1776.0	1751.2	1744.5	1751.2
12.5°	2420.6	2386.9	2321.5	2163.7	1895.5	1852.6	1776.0	1719.7	1715.2	1726.4	1787.3
15°	2393.6	2362.0	2285.4	2037.5	1800.9	1769.3	1715.2	1694.9	1719.7	1798.6	1981.1
17.5°	2366.5	2330.5	2235.8	1913.6	1728.7	1706.2	1667.8	1708.4	1848.2	1954.0	2015.0
20°	2330.5	2287.7	2179.5	1823.3	1676.9	1656.6	1638.5	1821.1	1927.0	1965.3	1999.2
22.5°	2287.7	2242.6	2102.9	1760.3	1622.7	1607.0	1618.3	1884.2	1927.0	1954.0	1983.3
25°	2231.3	2193.0	2012.7	1710.6	1579.9	1561.9	1604.7	1877.5	1902.3	1909.0	1967.6
27.5°	2179.5	2129.9	1918.0	1665.6	1528.1	1521.3	1616.0	1848.2	1866.2	1873.0	1936.0
30°	2116.4	2042.0	1812.1	1618.3	1474.0	1471.8	1618.3	1812.1	1807.6	1825.6	1888.7
32.5°	2051.0	1911.2	1692.6	1559.7	1422.2	1419.9	1602.5	1758.0	1753.5	1778.3	1825.6
35°	1990.2	1809.8	1530.4	1492.0	1356.8	1359.1	1564.2	1694.9	1697.1	1719.7	1749.0
37.5°	1927.0	1721.9	1352.3	1417.7	1293.7	1293.7	1512.4	1636.3	1631.8	1638.5	1679.1
40°	1852.6	1584.5	1194.5	1320.7	1235.1	1228.4	1449.2	1573.2	1557.4	1555.2	1611.5
42.5°	1773.8	1433.4	1077.3	1192.3	1167.5	1158.5	1372.6	1496.5	1467.2	1474.0	1546.1
45°	1688.1	1392.9	987.2	1007.4	1097.7	1090.8	1289.2	1408.6	1388.4	1406.4	1480.7
47.5°	1602.5	1311.8	957.9	836.1	1023.2	1021.0	1196.8	1323.0	1311.8	1329.8	1408.6
50°	1485.3	1221.6	955.7	716.7	939.9	948.8	1086.4	1239.6	1239.6	1255.4	1338.7
52.5°	1334.3	1111.2	867.8	649.1	843.0	870.0	989.4	1167.5	1172.0	1187.8	1262.1
55°	1196.8	996.2	804.6	597.3	728.0	786.6	894.7	1093.1	1102.1	1117.9	1185.5
57.5°	1070.6	829.4	791.1	536.4	622.0	678.4	811.4	1021.0	1025.5	1039.0	1104.4
60°	935.3	599.5	725.8	471.1	529.7	572.5	734.7	935.3	951.1	960.1	1016.5
62.5°	782.1	435.0	658.1	426.0	484.6	493.6	671.7	854.2	874.5	881.3	915.1
65°	556.7	365.1	559.0	387.7	437.3	439.5	604.0	770.8	788.8	800.1	825.0
67.5°	376.4	297.5	426.0	351.6	401.2	403.4	538.7	673.9	698.7	707.7	723.5
70°	261.4	198.4	315.5	313.3	360.6	365.1	468.8	586.0	608.5	615.3	624.4
72.5°	191.5	160.0	261.4	281.8	317.8	322.3	396.7	486.8	509.4	516.1	520.6
75°	146.5	169.1	211.9	245.7	270.5	272.7	324.6	396.7	412.5	417.0	419.2
77.5°	117.2	157.8	155.5	198.4	220.8	216.4	254.7	306.5	320.0	320.0	320.0
80°	87.9	124.0	117.2	142.0	162.2	157.8	182.6	218.6	223.2	227.6	225.4
82.5°	65.4	78.9	78.9	90.1	108.2	103.7	121.7	142.0	142.0	142.0	146.5
85°	40.6	45.1	36.1	47.3	60.8	58.6	67.6	76.6	78.9	78.9	74.4
87.5°	24.8	20.2	11.3	18.0	27.1	27.1	31.5	33.8	31.5	31.5	31.5
90°	7.2	5.0	2.8	5.0	7.2	7.7	12.1	17.9	20.9	18.6	13.9
92.5°	48.3	29.7	11.0	29.7	48.3	53.0	74.5	103.2	117.5	102.9	73.9
95°	94.7	60.5	26.4	60.5	94.7	103.2	183.3	290.1	343.5	306.5	232.6
97.5°	105.8	75.7	45.6	75.7	105.8	113.4	247.0	425.0	514.0	490.6	443.8
100°	115.1	87.7	60.4	87.7	115.1	121.9	270.0	467.6	566.4	568.1	571.5
102.5°	124.1	98.6	73.0	98.6	124.1	130.4	280.7	481.0	581.2	610.9	670.5
105°	137.6	116.1	94.5	116.1	137.6	143.1	288.5	482.5	579.5	646.3	779.8
107.5°	156.6	136.6	116.4	136.6	156.6	161.7	290.0	461.0	546.6	639.6	825.8
110°	167.6	149.4	131.2	149.4	167.6	172.1	287.8	442.0	519.1	623.2	831.4



TEST NUMBER: P934575

CATALOG NUMBER: SQ4-FA-050U-125D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	180.4	163.1	145.8	163.1	180.4	184.8	287.9	425.4	494.2	600.7	813.8
115°	199.7	183.7	167.7	183.7	199.7	203.7	290.6	406.3	464.2	566.9	772.1
117.5°	218.4	204.0	189.4	204.0	218.4	222.1	296.0	394.4	443.6	536.3	721.5
120°	229.4	215.7	202.0	215.7	229.4	232.8	300.3	390.4	435.4	520.0	689.3
122.5°	242.0	228.2	214.5	228.2	242.0	245.4	306.6	388.2	429.1	505.3	657.7
125°	258.5	245.9	233.4	245.9	258.5	261.6	315.2	386.5	422.2	487.0	616.4
127.5°	274.1	261.4	248.7	261.4	274.1	277.3	323.7	385.6	416.5	472.1	583.1
130°	284.3	270.7	257.0	270.7	284.3	287.7	329.9	386.1	414.3	463.7	562.7
132.5°	292.9	279.2	265.5	279.2	292.9	296.2	335.0	386.5	412.4	456.7	545.2
135°	303.0	290.6	278.1	290.6	303.0	306.1	340.5	386.2	409.1	446.2	520.4
137.5°	315.6	303.3	291.0	303.3	315.6	318.7	348.6	388.5	408.5	439.8	502.5
140°	324.4	313.1	301.7	313.1	324.4	327.2	353.7	388.9	406.6	433.7	487.9
142.5°	330.9	320.4	309.9	320.4	330.9	333.5	357.9	390.4	406.6	430.4	477.9
145°	340.9	331.8	322.6	331.8	340.9	343.2	363.5	390.4	403.9	423.3	462.2
147.5°	353.1	344.1	335.2	344.1	353.1	355.3	371.5	393.0	403.9	419.1	449.8
150°	359.6	351.6	343.5	351.6	359.6	361.6	375.7	394.4	403.9	416.8	442.7
152.5°	364.2	358.0	351.9	358.0	364.2	365.7	378.4	395.3	403.9	414.9	437.0
155°	373.6	369.1	364.6	369.1	373.6	374.7	384.4	397.4	403.9	412.7	430.2
157.5°	382.7	378.3	373.9	378.3	382.7	383.8	390.5	399.4	403.9	410.7	424.4
160°	387.0	383.6	380.2	383.6	387.0	387.9	393.2	400.3	403.9	409.7	421.4
162.5°	391.7	389.1	386.5	389.1	391.7	392.3	396.1	401.3	403.9	408.8	418.7
165°	398.0	395.7	393.4	395.7	398.0	398.6	400.4	402.7	403.9	407.4	414.4
167.5°	401.9	400.8	399.7	400.8	401.9	402.2	403.7	405.6	406.6	408.9	413.5
170°	406.1	404.9	403.9	404.9	406.1	406.3	406.4	406.5	406.6	408.9	413.5
172.5°	406.5	406.3	406.1	406.3	406.5	406.6	406.6	406.6	406.6	408.4	412.0
175°	409.1	409.1	409.1	409.1	409.1	409.1	408.3	407.1	406.6	407.8	410.1
177.5°	409.1	409.1	409.1	409.1	409.1	409.1	408.5	407.6	407.1	408.0	409.9
180°	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1



TEST NUMBER: P934575
 CATALOG NUMBER: SQ4-FA-050U-125D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3	2382.3
2.5°	2298.9	2292.2	2301.2	2276.4	2301.2	2292.2	2298.9	2314.7	2301.2	2310.2	2319.2
5°	2017.2	2005.9	1969.9	1940.5	1969.9	2005.9	2017.2	2064.5	2087.1	2127.6	2181.7
7.5°	1803.1	1794.0	1785.1	1767.0	1785.1	1794.0	1803.1	1816.6	1839.1	1875.2	1915.8
10°	1755.8	1758.0	1771.6	1769.3	1771.6	1758.0	1755.8	1751.2	1744.5	1751.2	1776.0
12.5°	1877.5	1897.7	1972.2	1967.6	1972.2	1897.7	1877.5	1787.3	1726.4	1715.2	1719.7
15°	2017.2	2023.9	2039.7	2042.0	2039.7	2023.9	2017.2	1981.1	1798.6	1719.7	1694.9
17.5°	2030.7	2033.0	2044.3	2044.3	2044.3	2033.0	2030.7	2015.0	1954.0	1848.2	1708.4
20°	2019.5	2023.9	2046.5	2051.0	2046.5	2023.9	2019.5	1999.2	1965.3	1927.0	1821.1
22.5°	2015.0	2023.9	2042.0	2039.7	2042.0	2023.9	2015.0	1983.3	1954.0	1927.0	1884.2
25°	1992.4	1992.4	1994.6	1996.9	1994.6	1992.4	1992.4	1967.6	1909.0	1902.3	1877.5
27.5°	1945.1	1949.6	1963.1	1960.9	1963.1	1949.6	1945.1	1936.0	1873.0	1866.2	1848.2
30°	1902.3	1897.7	1886.5	1877.5	1886.5	1897.7	1902.3	1888.7	1825.6	1807.6	1812.1
32.5°	1830.2	1818.9	1807.6	1800.9	1807.6	1818.9	1830.2	1825.6	1778.3	1753.5	1758.0
35°	1744.5	1746.7	1744.5	1737.7	1744.5	1746.7	1744.5	1749.0	1719.7	1697.1	1694.9
37.5°	1683.6	1688.1	1685.9	1676.9	1685.9	1688.1	1683.6	1679.1	1638.5	1631.8	1636.3
40°	1620.5	1622.7	1620.5	1613.8	1620.5	1622.7	1620.5	1611.5	1555.2	1557.4	1573.2
42.5°	1559.7	1557.4	1550.6	1546.1	1550.6	1557.4	1559.7	1546.1	1474.0	1467.2	1496.5
45°	1489.8	1492.0	1478.5	1471.8	1478.5	1492.0	1489.8	1480.7	1406.4	1388.4	1408.6
47.5°	1419.9	1419.9	1408.6	1401.9	1408.6	1419.9	1419.9	1408.6	1329.8	1311.8	1323.0
50°	1345.6	1343.3	1327.6	1325.3	1327.6	1343.3	1345.6	1338.7	1255.4	1239.6	1239.6
52.5°	1259.9	1259.9	1262.1	1266.6	1262.1	1259.9	1259.9	1262.1	1187.8	1172.0	1167.5
55°	1185.5	1187.8	1203.6	1208.0	1203.6	1187.8	1185.5	1185.5	1117.9	1102.1	1093.1
57.5°	1108.9	1108.9	1120.1	1120.1	1120.1	1108.9	1108.9	1104.4	1039.0	1025.5	1021.0
60°	1021.0	1025.5	1034.5	1032.3	1034.5	1025.5	1021.0	1016.5	960.1	951.1	935.3
62.5°	928.6	933.1	935.3	930.8	935.3	933.1	928.6	915.1	881.3	874.5	854.2
65°	831.7	836.1	838.4	833.9	838.4	836.1	831.7	825.0	800.1	788.8	770.8
67.5°	732.5	730.2	728.0	737.0	728.0	730.2	732.5	723.5	707.7	698.7	673.9
70°	631.1	631.1	628.8	633.3	628.8	631.1	631.1	624.4	615.3	608.5	586.0
72.5°	522.9	520.6	529.7	522.9	529.7	520.6	522.9	520.6	516.1	509.4	486.8
75°	417.0	421.4	417.0	423.8	417.0	421.4	417.0	419.2	417.0	412.5	396.7
77.5°	317.8	322.3	317.8	317.8	317.8	322.3	317.8	320.0	320.0	320.0	306.5
80°	225.4	223.2	223.2	220.8	223.2	223.2	225.4	225.4	227.6	223.2	218.6
82.5°	144.2	142.0	142.0	146.5	142.0	142.0	144.2	146.5	142.0	142.0	142.0
85°	78.9	81.2	76.6	76.6	76.6	81.2	78.9	74.4	78.9	78.9	76.6
87.5°	29.3	27.1	27.1	27.1	27.1	27.1	29.3	31.5	31.5	31.5	33.8
90°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	13.9	18.6	20.9	17.9
92.5°	52.1	50.1	41.7	33.5	41.7	50.1	52.1	73.9	102.9	117.5	103.2
95°	177.1	170.8	145.6	120.5	145.6	170.8	177.1	232.6	306.5	343.5	290.1
97.5°	408.7	396.8	349.0	301.2	349.0	396.8	408.7	443.8	490.6	514.0	425.0
100°	574.1	559.9	502.9	445.9	502.9	559.9	574.1	571.5	568.1	566.4	467.6
102.5°	715.2	703.0	654.2	605.3	654.2	703.0	715.2	670.5	610.9	581.2	481.0
105°	879.9	873.3	847.2	820.9	847.2	873.3	879.9	779.8	646.3	579.5	482.5
107.5°	965.5	967.1	973.4	979.8	973.4	967.1	965.5	825.8	639.6	546.6	461.0
110°	987.5	994.4	1021.6	1049.0	1021.6	994.4	987.5	831.4	623.2	519.1	442.0



TEST NUMBER: P934575

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	973.5	984.0	1026.0	1067.9	1026.0	984.0	973.5	813.8	600.7	494.2	425.4
115°	926.0	940.6	998.7	1057.0	998.7	940.6	926.0	772.1	566.9	464.2	406.3
117.5°	860.4	876.5	941.1	1005.7	941.1	876.5	860.4	721.5	536.3	443.6	394.4
120°	816.2	831.9	894.6	957.4	894.6	831.9	816.2	689.3	520.0	435.4	390.4
122.5°	772.0	787.5	849.4	911.2	849.4	787.5	772.0	657.7	505.3	429.1	388.2
125°	713.5	727.7	784.7	841.7	784.7	727.7	713.5	616.4	487.0	422.2	386.5
127.5°	666.5	678.5	726.7	774.8	726.7	678.5	666.5	583.1	472.1	416.5	385.6
130°	637.0	648.1	692.5	736.9	692.5	648.1	637.0	562.7	463.7	414.3	386.1
132.5°	611.7	621.6	661.4	701.2	661.4	621.6	611.7	545.2	456.7	412.4	386.5
135°	576.0	584.6	618.8	653.1	618.8	584.6	576.0	520.4	446.2	409.1	386.2
137.5°	549.6	556.6	584.7	612.8	584.7	556.6	549.6	502.5	439.8	408.5	388.5
140°	528.4	535.0	561.2	587.5	561.2	535.0	528.4	487.9	433.7	406.6	388.9
142.5°	513.6	519.3	541.9	564.4	541.9	519.3	513.6	477.9	430.4	406.6	390.4
145°	491.4	495.7	512.8	529.9	512.8	495.7	491.4	462.2	423.3	403.9	390.4
147.5°	472.8	476.3	490.4	504.6	490.4	476.3	472.8	449.8	419.1	403.9	393.0
150°	462.0	464.9	476.4	487.9	476.4	464.9	462.0	442.7	416.8	403.9	394.4
152.5°	453.5	455.6	464.3	473.0	464.3	455.6	453.5	437.0	414.9	403.9	395.3
155°	443.4	444.8	450.6	456.3	450.6	444.8	443.4	430.2	412.7	403.9	397.4
157.5°	434.6	435.6	439.6	443.6	439.6	435.6	434.6	424.4	410.7	403.9	399.4
160°	430.2	430.8	433.1	435.4	433.1	430.8	430.2	421.4	409.7	403.9	400.3
162.5°	426.1	426.6	428.8	431.0	428.8	426.6	426.1	418.7	408.8	403.9	401.3
165°	419.8	420.4	422.7	425.0	422.7	420.4	419.8	414.4	407.4	403.9	402.7
167.5°	417.0	417.3	418.2	419.2	418.2	417.3	417.0	413.5	408.9	406.6	405.6
170°	417.0	417.0	417.0	417.0	417.0	417.0	417.0	413.5	408.9	406.6	406.5
172.5°	414.8	414.6	413.7	412.9	413.7	414.6	414.8	412.0	408.4	406.6	406.6
175°	411.8	411.8	411.8	411.8	411.8	411.8	411.8	410.1	407.8	406.6	407.1
177.5°	411.2	411.0	410.1	409.1	410.1	411.0	411.2	409.9	408.0	407.1	407.6
180°	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1



TEST NUMBER: P934575
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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2382.3	2382.3	2382.3	2382.3	2382.3
2.5°	2353.0	2364.3	2371.0	2380.1	2402.6
5°	2262.9	2305.7	2319.2	2353.0	2393.6
7.5°	2064.5	2195.2	2231.3	2312.4	2375.6
10°	1873.0	2003.7	2066.8	2258.4	2353.0
12.5°	1776.0	1852.6	1895.5	2163.7	2321.5
15°	1715.2	1769.3	1800.9	2037.5	2285.4
17.5°	1667.8	1706.2	1728.7	1913.6	2235.8
20°	1638.5	1656.6	1676.9	1823.3	2179.5
22.5°	1618.3	1607.0	1622.7	1760.3	2102.9
25°	1604.7	1561.9	1579.9	1710.6	2012.7
27.5°	1616.0	1521.3	1528.1	1665.6	1918.0
30°	1618.3	1471.8	1474.0	1618.3	1812.1
32.5°	1602.5	1419.9	1422.2	1559.7	1692.6
35°	1564.2	1359.1	1356.8	1492.0	1530.4
37.5°	1512.4	1293.7	1293.7	1417.7	1352.3
40°	1449.2	1228.4	1235.1	1320.7	1194.5
42.5°	1372.6	1158.5	1167.5	1192.3	1077.3
45°	1289.2	1090.8	1097.7	1007.4	987.2
47.5°	1196.8	1021.0	1023.2	836.1	957.9
50°	1086.4	948.8	939.9	716.7	955.7
52.5°	989.4	870.0	843.0	649.1	867.8
55°	894.7	786.6	728.0	597.3	804.6
57.5°	811.4	678.4	622.0	536.4	791.1
60°	734.7	572.5	529.7	471.1	725.8
62.5°	671.7	493.6	484.6	426.0	658.1
65°	604.0	439.5	437.3	387.7	559.0
67.5°	538.7	403.4	401.2	351.6	426.0
70°	468.8	365.1	360.6	313.3	315.5
72.5°	396.7	322.3	317.8	281.8	261.4
75°	324.6	272.7	270.5	245.7	211.9
77.5°	254.7	216.4	220.8	198.4	155.5
80°	182.6	157.8	162.2	142.0	117.2
82.5°	121.7	103.7	108.2	90.1	78.9
85°	67.6	58.6	60.8	47.3	36.1
87.5°	31.5	27.1	27.1	18.0	11.3
90°	12.1	7.7	7.2	5.0	2.8
92.5°	74.5	53.0	48.3	29.7	11.0
95°	183.3	103.2	94.7	60.5	26.4
97.5°	247.0	113.4	105.8	75.7	45.6
100°	270.0	121.9	115.1	87.7	60.4
102.5°	280.7	130.4	124.1	98.6	73.0
105°	288.5	143.1	137.6	116.1	94.5
107.5°	290.0	161.7	156.6	136.6	116.4
110°	287.8	172.1	167.6	149.4	131.2



TEST NUMBER: P934575

CATALOG NUMBER: SQ4-FA-050U-125D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	287.9	184.8	180.4	163.1	145.8
115°	290.6	203.7	199.7	183.7	167.7
117.5°	296.0	222.1	218.4	204.0	189.4
120°	300.3	232.8	229.4	215.7	202.0
122.5°	306.6	245.4	242.0	228.2	214.5
125°	315.2	261.6	258.5	245.9	233.4
127.5°	323.7	277.3	274.1	261.4	248.7
130°	329.9	287.7	284.3	270.7	257.0
132.5°	335.0	296.2	292.9	279.2	265.5
135°	340.5	306.1	303.0	290.6	278.1
137.5°	348.6	318.7	315.6	303.3	291.0
140°	353.7	327.2	324.4	313.1	301.7
142.5°	357.9	333.5	330.9	320.4	309.9
145°	363.5	343.2	340.9	331.8	322.6
147.5°	371.5	355.3	353.1	344.1	335.2
150°	375.7	361.6	359.6	351.6	343.5
152.5°	378.4	365.7	364.2	358.0	351.9
155°	384.4	374.7	373.6	369.1	364.6
157.5°	390.5	383.8	382.7	378.3	373.9
160°	393.2	387.9	387.0	383.6	380.2
162.5°	396.1	392.3	391.7	389.1	386.5
165°	400.4	398.6	398.0	395.7	393.4
167.5°	403.7	402.2	401.9	400.8	399.7
170°	406.4	406.3	406.1	404.9	403.9
172.5°	406.6	406.6	406.5	406.3	406.1
175°	408.3	409.1	409.1	409.1	409.1
177.5°	408.5	409.1	409.1	409.1	409.1
180°	409.1	409.1	409.1	409.1	409.1



TEST NUMBER: P934575
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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	15.82	16.89	16.58	17.68	18.63	18.64	19.72	19.41	20.50	21.46
	3H	16.31	17.27	17.09	18.07	19.06	20.00	20.97	20.78	21.76	22.75
	4H	16.51	17.42	17.31	18.23	19.22	20.45	21.36	21.25	22.17	23.17
	6H	16.64	17.48	17.45	18.29	19.30	20.75	21.59	21.56	22.40	23.41
	8H	16.65	17.45	17.47	18.28	19.29	20.83	21.63	21.65	22.46	23.47
	12H	16.63	17.39	17.45	18.22	19.25	20.87	21.64	21.70	22.46	23.50
4H	2H	16.87	17.78	17.67	18.59	19.59	19.08	19.99	19.88	20.79	21.79
	3H	17.92	18.68	18.73	19.52	20.53	20.60	21.36	21.41	22.20	23.21
	4H	18.21	18.90	19.03	19.73	20.77	21.14	21.83	21.96	22.66	23.70
	6H	18.34	18.94	19.19	19.80	20.85	21.51	22.11	22.35	22.97	24.02
	8H	18.35	18.91	19.20	19.77	20.83	21.62	22.18	22.47	23.04	24.10
	12H	18.33	18.83	19.20	19.71	20.77	21.69	22.19	22.55	23.07	24.13
8H	4H	18.68	19.23	19.52	20.09	21.15	21.28	21.84	22.12	22.69	23.75
	6H	18.95	19.41	19.82	20.31	21.37	21.72	22.18	22.60	23.08	24.14
	8H	18.99	19.40	19.88	20.29	21.37	21.87	22.28	22.76	23.18	24.25
	12H	18.98	19.35	19.87	20.23	21.36	21.98	22.34	22.87	23.23	24.36
12H	4H	18.69	19.19	19.56	20.07	21.13	21.25	21.75	22.12	22.63	23.70
	6H	19.01	19.42	19.89	20.31	21.39	21.72	22.13	22.61	23.03	24.10
	8H	19.08	19.45	19.97	20.33	21.46	21.89	22.25	22.78	23.14	24.27