

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: P934175

Luminaire Tested: SQ4-FA-025U-125D-940-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934175
REPORT IS A COMBINATION OF REPORTS P933687 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-025U-125D-940-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

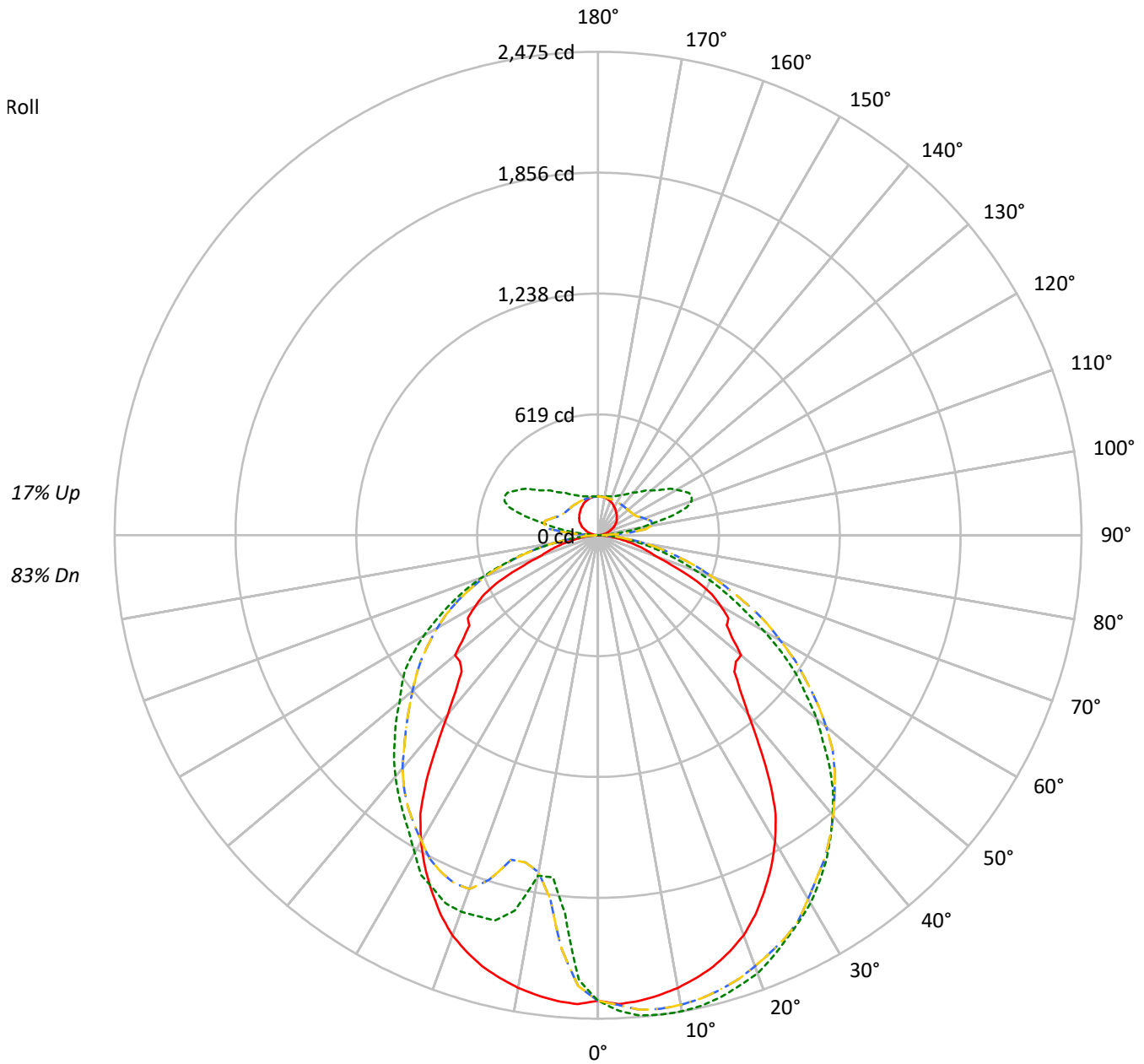
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7466.3 lumens
Efficiency: N/A
Efficacy: 100.4 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): 74.4
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				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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	86	86	86	83
1	105	101	97	93	101	97	93	90	89	87	84	83	80	78	76	75	73	73	73	73	70
2	96	88	82	76	92	85	79	74	78	74	70	73	69	66	67	64	62	62	62	62	59
3	88	78	70	64	84	75	68	62	69	63	59	64	60	56	60	56	52	52	52	52	50
4	80	69	60	54	77	66	59	53	62	55	50	57	52	48	53	49	45	45	45	45	43
5	74	61	53	46	70	59	51	45	55	49	43	52	46	41	48	43	39	39	39	39	37
6	68	55	47	40	65	53	45	40	50	43	38	47	41	36	44	39	35	35	35	35	32
7	63	50	42	36	60	48	41	35	45	39	34	42	37	32	40	35	31	31	31	31	29
8	59	46	37	32	56	44	36	31	41	35	30	39	33	29	37	31	28	28	28	28	26
9	55	42	34	28	52	40	33	28	38	32	27	36	30	26	34	29	25	25	25	25	23
10	51	38	31	26	49	37	30	25	35	29	24	33	28	24	31	26	23	23	23	23	21

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	2.9
10°-20°	610.6	8.2
20°-30°	943.8	12.6
30°-40°	1126.7	15.1
40°-50°	1133.3	15.2
50°-60°	986.1	13.2
60°-70°	699.2	9.4
70°-80°	369.9	5.0
80°-90°	92.9	1.2
90°-100°	96.9	1.3
100°-110°	254.7	3.4
110°-120°	264.1	3.5
120°-130°	211.9	2.8
130°-140°	166.3	2.2
140°-150°	127.6	1.7
150°-160°	91.9	1.2
160°-170°	56.2	0.8
170°-180°	19.0	0.3
0°-30°	1769.5	23.7
0°-40°	2896.2	38.8
0°-60°	5015.7	67.2
0°-90°	6177.7	82.7
90°-120°	615.8	8.2
90°-150°	1121.5	15.0
90°-180°	1289.0	17.3
0°-180°	7466.3	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°	1	5	1	5	1	3
95°	13	59	13	59	13	14
105°	46	399	46	399	46	49
115°	82	514	82	514	82	81
125°	113	409	113	409	113	101
135°	135	317	135	317	135	105
145°	157	258	157	258	157	98
155°	177	222	177	222	177	81
165°	191	206	191	206	191	54
175°	199	200	199	200	199	19
180°	199	199	199	199	199	



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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°	1.3	2.4	3.5	3.7	5.9	8.7	10.1	9.0	6.7	5.1	5.1
92.5°	5.3	14.4	23.4	25.8	36.2	50.2	57.1	50.0	35.9	25.3	24.3
95°	12.8	29.4	46.0	50.2	89.1	140.9	166.9	148.9	113.0	86.0	83.0
97.5°	22.1	36.8	51.4	55.1	120.0	206.5	249.7	238.3	215.7	198.6	192.9
100°	29.4	42.6	55.9	59.2	131.2	227.2	275.2	276.0	277.7	278.9	272.0
102.5°	35.5	48.0	60.3	63.4	136.4	233.7	282.4	296.9	325.8	347.6	341.6
105°	45.9	56.4	66.9	69.5	140.2	234.4	281.6	314.0	378.9	427.6	424.4
107.5°	56.6	66.3	76.1	78.6	140.9	224.0	265.6	310.9	401.4	469.2	470.0
110°	63.8	72.6	81.4	83.6	139.9	214.8	252.3	302.9	404.0	479.9	483.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	70.9	79.3	87.6	89.8	139.9	206.7	240.1	291.9	395.4	473.0	478.1
115°	81.5	89.3	97.1	99.0	141.2	197.4	225.6	275.5	375.2	449.9	457.1
117.5°	92.1	99.1	106.1	107.9	143.8	191.6	215.6	260.6	350.6	418.1	425.9
120°	98.2	104.9	111.4	113.1	146.0	189.8	211.6	252.7	335.0	396.7	404.3
122.5°	104.2	110.9	117.6	119.3	149.0	188.7	208.5	245.5	319.6	375.2	382.7
125°	113.4	119.5	125.7	127.2	153.2	187.9	205.2	236.7	299.6	346.8	353.7
127.5°	120.9	127.0	133.2	134.7	157.3	187.4	202.4	229.4	283.4	323.9	329.8
130°	124.9	131.5	138.1	139.8	160.3	187.6	201.3	225.4	273.4	309.5	314.9
132.5°	129.0	135.7	142.3	143.9	162.8	187.9	200.4	221.9	265.0	297.2	302.0
135°	135.2	141.2	147.2	148.7	165.4	187.7	198.8	216.8	252.9	279.9	284.1
137.5°	141.5	147.4	153.4	154.9	169.4	188.9	198.6	213.8	244.3	267.1	270.5
140°	146.6	152.1	157.6	159.0	171.9	189.1	197.6	210.7	237.1	256.8	260.0
142.5°	150.6	155.7	160.8	162.1	173.9	189.7	197.6	209.1	232.3	249.6	252.4
145°	156.7	161.2	165.6	166.8	176.6	189.7	196.2	205.7	224.6	238.8	240.8
147.5°	162.9	167.2	171.6	172.6	180.5	191.0	196.2	203.7	218.5	229.7	231.4
150°	166.9	170.8	174.8	175.7	182.6	191.7	196.2	202.6	215.1	224.5	225.9
152.5°	171.0	174.0	177.0	177.7	183.9	192.2	196.2	201.6	212.3	220.4	221.5
155°	177.2	179.4	181.6	182.1	186.8	193.1	196.2	200.5	209.0	215.4	216.1
157.5°	181.7	183.8	185.9	186.5	189.8	194.1	196.2	199.5	206.2	211.2	211.7
160°	184.8	186.5	188.1	188.5	191.1	194.6	196.2	199.1	204.8	209.0	209.3
162.5°	187.8	189.1	190.3	190.7	192.5	195.0	196.2	198.6	203.4	207.1	207.3
165°	191.2	192.3	193.4	193.7	194.6	195.7	196.2	197.9	201.4	204.0	204.2
167.5°	194.2	194.7	195.3	195.4	196.2	197.1	197.6	198.7	201.0	202.6	202.7
170°	196.2	196.8	197.3	197.4	197.5	197.6	197.6	198.7	201.0	202.6	202.6
172.5°	197.3	197.4	197.6	197.6	197.6	197.6	197.6	198.5	200.2	201.6	201.5
175°	198.8	198.8	198.8	198.8	198.4	197.8	197.6	198.1	199.3	200.2	200.2
177.5°	198.8	198.8	198.8	198.8	198.5	198.0	197.8	198.3	199.2	199.9	199.8
180°	198.8	198.8	198.8	198.8	198.8	198.8	198.8	198.8	198.8	198.8	198.8



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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°	5.1	5.1	5.1	5.1	5.1	6.7	9.0	10.1	8.7	5.9	3.7
92.5°	20.2	16.3	20.2	24.3	25.3	35.9	50.0	57.1	50.2	36.2	25.8
95°	70.8	58.6	70.8	83.0	86.0	113.0	148.9	166.9	140.9	89.1	50.2
97.5°	169.6	146.3	169.6	192.9	198.6	215.7	238.3	249.7	206.5	120.0	55.1
100°	244.4	216.7	244.4	272.0	278.9	277.7	276.0	275.2	227.2	131.2	59.2
102.5°	317.9	294.2	317.9	341.6	347.6	325.8	296.9	282.4	233.7	136.4	63.4
105°	411.7	398.9	411.7	424.4	427.6	378.9	314.0	281.6	234.4	140.2	69.5
107.5°	473.0	476.1	473.0	470.0	469.2	401.4	310.9	265.6	224.0	140.9	78.6
110°	496.5	509.8	496.5	483.2	479.9	404.0	302.9	252.3	214.8	139.9	83.6



TEST NUMBER: P934175

CATALOG NUMBER: SQ4-FA-025U-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°	498.5	518.9	498.5	478.1	473.0	395.4	291.9	240.1	206.7	139.9	89.8
115°	485.3	513.6	485.3	457.1	449.9	375.2	275.5	225.6	197.4	141.2	99.0
117.5°	457.3	488.7	457.3	425.9	418.1	350.6	260.6	215.6	191.6	143.8	107.9
120°	434.8	465.2	434.8	404.3	396.7	335.0	252.7	211.6	189.8	146.0	113.1
122.5°	412.7	442.8	412.7	382.7	375.2	319.6	245.5	208.5	188.7	149.0	119.3
125°	381.3	409.0	381.3	353.7	346.8	299.6	236.7	205.2	187.9	153.2	127.2
127.5°	353.2	376.5	353.2	329.8	323.9	283.4	229.4	202.4	187.4	157.3	134.7
130°	336.5	358.0	336.5	314.9	309.5	273.4	225.4	201.3	187.6	160.3	139.8
132.5°	321.4	340.7	321.4	302.0	297.2	265.0	221.9	200.4	187.9	162.8	143.9
135°	300.7	317.4	300.7	284.1	279.9	252.9	216.8	198.8	187.7	165.4	148.7
137.5°	284.2	297.7	284.2	270.5	267.1	244.3	213.8	198.6	188.9	169.4	154.9
140°	272.7	285.5	272.7	260.0	256.8	237.1	210.7	197.6	189.1	171.9	159.0
142.5°	263.3	274.3	263.3	252.4	249.6	232.3	209.1	197.6	189.7	173.9	162.1
145°	249.2	257.5	249.2	240.8	238.8	224.6	205.7	196.2	189.7	176.6	166.8
147.5°	238.3	245.2	238.3	231.4	229.7	218.5	203.7	196.2	191.0	180.5	172.6
150°	231.5	237.1	231.5	225.9	224.5	215.1	202.6	196.2	191.7	182.6	175.7
152.5°	225.6	229.9	225.6	221.5	220.4	212.3	201.6	196.2	192.2	183.9	177.7
155°	218.9	221.7	218.9	216.1	215.4	209.0	200.5	196.2	193.1	186.8	182.1
157.5°	213.7	215.6	213.7	211.7	211.2	206.2	199.5	196.2	194.1	189.8	186.5
160°	210.5	211.6	210.5	209.3	209.0	204.8	199.1	196.2	194.6	191.1	188.5
162.5°	208.4	209.5	208.4	207.3	207.1	203.4	198.6	196.2	195.0	192.5	190.7
165°	205.4	206.5	205.4	204.2	204.0	201.4	197.9	196.2	195.7	194.6	193.7
167.5°	203.3	203.7	203.3	202.7	202.6	201.0	198.7	197.6	197.1	196.2	195.4
170°	202.6	202.6	202.6	202.6	202.6	201.0	198.7	197.6	197.6	197.5	197.4
172.5°	201.0	200.7	201.0	201.5	201.6	200.2	198.5	197.6	197.6	197.6	197.6
175°	200.2	200.2	200.2	200.2	200.2	199.3	198.1	197.6	197.8	198.4	198.8
177.5°	199.3	198.8	199.3	199.8	199.9	199.2	198.3	197.8	198.0	198.5	198.8
180°	198.8	198.8	198.8	198.8	198.8	198.8	198.8	198.8	198.8	198.8	198.8



TEST NUMBER: P934175
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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°	3.5	2.4	1.3	2.4	3.5	3.7	5.9	8.7	10.1	9.0	6.7
92.5°	23.4	14.4	5.3	14.4	23.4	25.8	36.2	50.2	57.1	50.0	35.9
95°	46.0	29.4	12.8	29.4	46.0	50.2	89.1	140.9	166.9	148.9	113.0
97.5°	51.4	36.8	22.1	36.8	51.4	55.1	120.0	206.5	249.7	238.3	215.7
100°	55.9	42.6	29.4	42.6	55.9	59.2	131.2	227.2	275.2	276.0	277.7
102.5°	60.3	48.0	35.5	48.0	60.3	63.4	136.4	233.7	282.4	296.9	325.8
105°	66.9	56.4	45.9	56.4	66.9	69.5	140.2	234.4	281.6	314.0	378.9
107.5°	76.1	66.3	56.6	66.3	76.1	78.6	140.9	224.0	265.6	310.9	401.4
110°	81.4	72.6	63.8	72.6	81.4	83.6	139.9	214.8	252.3	302.9	404.0



TEST NUMBER: P934175

CATALOG NUMBER: SQ4-FA-025U-125D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	87.6	79.3	70.9	79.3	87.6	89.8	139.9	206.7	240.1	291.9	395.4
115°	97.1	89.3	81.5	89.3	97.1	99.0	141.2	197.4	225.6	275.5	375.2
117.5°	106.1	99.1	92.1	99.1	106.1	107.9	143.8	191.6	215.6	260.6	350.6
120°	111.4	104.9	98.2	104.9	111.4	113.1	146.0	189.8	211.6	252.7	335.0
122.5°	117.6	110.9	104.2	110.9	117.6	119.3	149.0	188.7	208.5	245.5	319.6
125°	125.7	119.5	113.4	119.5	125.7	127.2	153.2	187.9	205.2	236.7	299.6
127.5°	133.2	127.0	120.9	127.0	133.2	134.7	157.3	187.4	202.4	229.4	283.4
130°	138.1	131.5	124.9	131.5	138.1	139.8	160.3	187.6	201.3	225.4	273.4
132.5°	142.3	135.7	129.0	135.7	142.3	143.9	162.8	187.9	200.4	221.9	265.0
135°	147.2	141.2	135.2	141.2	147.2	148.7	165.4	187.7	198.8	216.8	252.9
137.5°	153.4	147.4	141.5	147.4	153.4	154.9	169.4	188.9	198.6	213.8	244.3
140°	157.6	152.1	146.6	152.1	157.6	159.0	171.9	189.1	197.6	210.7	237.1
142.5°	160.8	155.7	150.6	155.7	160.8	162.1	173.9	189.7	197.6	209.1	232.3
145°	165.6	161.2	156.7	161.2	165.6	166.8	176.6	189.7	196.2	205.7	224.6
147.5°	171.6	167.2	162.9	167.2	171.6	172.6	180.5	191.0	196.2	203.7	218.5
150°	174.8	170.8	166.9	170.8	174.8	175.7	182.6	191.7	196.2	202.6	215.1
152.5°	177.0	174.0	171.0	174.0	177.0	177.7	183.9	192.2	196.2	201.6	212.3
155°	181.6	179.4	177.2	179.4	181.6	182.1	186.8	193.1	196.2	200.5	209.0
157.5°	185.9	183.8	181.7	183.8	185.9	186.5	189.8	194.1	196.2	199.5	206.2
160°	188.1	186.5	184.8	186.5	188.1	188.5	191.1	194.6	196.2	199.1	204.8
162.5°	190.3	189.1	187.8	189.1	190.3	190.7	192.5	195.0	196.2	198.6	203.4
165°	193.4	192.3	191.2	192.3	193.4	193.7	194.6	195.7	196.2	197.9	201.4
167.5°	195.3	194.7	194.2	194.7	195.3	195.4	196.2	197.1	197.6	198.7	201.0
170°	197.3	196.8	196.2	196.8	197.3	197.4	197.5	197.6	197.6	198.7	201.0
172.5°	197.6	197.4	197.3	197.4	197.6	197.6	197.6	197.6	197.6	198.5	200.2
175°	198.8	198.8	198.8	198.8	198.8	198.8	198.4	197.8	197.6	198.1	199.3
177.5°	198.8	198.8	198.8	198.8	198.8	198.8	198.5	198.0	197.8	198.3	199.2
180°	198.8	198.8	198.8	198.8	198.8	198.8	198.8	198.8	198.8	198.8	198.8



TEST NUMBER: P934175
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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°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	6.7	9.0	10.1	8.7
92.5°	25.3	24.3	20.2	16.3	20.2	24.3	25.3	35.9	50.0	57.1	50.2
95°	86.0	83.0	70.8	58.6	70.8	83.0	86.0	113.0	148.9	166.9	140.9
97.5°	198.6	192.9	169.6	146.3	169.6	192.9	198.6	215.7	238.3	249.7	206.5
100°	278.9	272.0	244.4	216.7	244.4	272.0	278.9	277.7	276.0	275.2	227.2
102.5°	347.6	341.6	317.9	294.2	317.9	341.6	347.6	325.8	296.9	282.4	233.7
105°	427.6	424.4	411.7	398.9	411.7	424.4	427.6	378.9	314.0	281.6	234.4
107.5°	469.2	470.0	473.0	476.1	473.0	470.0	469.2	401.4	310.9	265.6	224.0
110°	479.9	483.2	496.5	509.8	496.5	483.2	479.9	404.0	302.9	252.3	214.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	473.0	478.1	498.5	518.9	498.5	478.1	473.0	395.4	291.9	240.1	206.7
115°	449.9	457.1	485.3	513.6	485.3	457.1	449.9	375.2	275.5	225.6	197.4
117.5°	418.1	425.9	457.3	488.7	457.3	425.9	418.1	350.6	260.6	215.6	191.6
120°	396.7	404.3	434.8	465.2	434.8	404.3	396.7	335.0	252.7	211.6	189.8
122.5°	375.2	382.7	412.7	442.8	412.7	382.7	375.2	319.6	245.5	208.5	188.7
125°	346.8	353.7	381.3	409.0	381.3	353.7	346.8	299.6	236.7	205.2	187.9
127.5°	323.9	329.8	353.2	376.5	353.2	329.8	323.9	283.4	229.4	202.4	187.4
130°	309.5	314.9	336.5	358.0	336.5	314.9	309.5	273.4	225.4	201.3	187.6
132.5°	297.2	302.0	321.4	340.7	321.4	302.0	297.2	265.0	221.9	200.4	187.9
135°	279.9	284.1	300.7	317.4	300.7	284.1	279.9	252.9	216.8	198.8	187.7
137.5°	267.1	270.5	284.2	297.7	284.2	270.5	267.1	244.3	213.8	198.6	188.9
140°	256.8	260.0	272.7	285.5	272.7	260.0	256.8	237.1	210.7	197.6	189.1
142.5°	249.6	252.4	263.3	274.3	263.3	252.4	249.6	232.3	209.1	197.6	189.7
145°	238.8	240.8	249.2	257.5	249.2	240.8	238.8	224.6	205.7	196.2	189.7
147.5°	229.7	231.4	238.3	245.2	238.3	231.4	229.7	218.5	203.7	196.2	191.0
150°	224.5	225.9	231.5	237.1	231.5	225.9	224.5	215.1	202.6	196.2	191.7
152.5°	220.4	221.5	225.6	229.9	225.6	221.5	220.4	212.3	201.6	196.2	192.2
155°	215.4	216.1	218.9	221.7	218.9	216.1	215.4	209.0	200.5	196.2	193.1
157.5°	211.2	211.7	213.7	215.6	213.7	211.7	211.2	206.2	199.5	196.2	194.1
160°	209.0	209.3	210.5	211.6	210.5	209.3	209.0	204.8	199.1	196.2	194.6
162.5°	207.1	207.3	208.4	209.5	208.4	207.3	207.1	203.4	198.6	196.2	195.0
165°	204.0	204.2	205.4	206.5	205.4	204.2	204.0	201.4	197.9	196.2	195.7
167.5°	202.6	202.7	203.3	203.7	203.3	202.7	202.6	201.0	198.7	197.6	197.1
170°	202.6	202.6	202.6	202.6	202.6	202.6	202.6	201.0	198.7	197.6	197.6
172.5°	201.6	201.5	201.0	200.7	201.0	201.5	201.6	200.2	198.5	197.6	197.6
175°	200.2	200.2	200.2	200.2	200.2	200.2	200.2	199.3	198.1	197.6	197.8
177.5°	199.9	199.8	199.3	198.8	199.3	199.8	199.9	199.2	198.3	197.8	198.0
180°	198.8	198.8	198.8	198.8	198.8	198.8	198.8	198.8	198.8	198.8	198.8



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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°	5.9	3.7	3.5	2.4	1.3
92.5°	36.2	25.8	23.4	14.4	5.3
95°	89.1	50.2	46.0	29.4	12.8
97.5°	120.0	55.1	51.4	36.8	22.1
100°	131.2	59.2	55.9	42.6	29.4
102.5°	136.4	63.4	60.3	48.0	35.5
105°	140.2	69.5	66.9	56.4	45.9
107.5°	140.9	78.6	76.1	66.3	56.6
110°	139.9	83.6	81.4	72.6	63.8



TEST NUMBER: P934175

CATALOG NUMBER: SQ4-FA-025U-125D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	139.9	89.8	87.6	79.3	70.9
115°	141.2	99.0	97.1	89.3	81.5
117.5°	143.8	107.9	106.1	99.1	92.1
120°	146.0	113.1	111.4	104.9	98.2
122.5°	149.0	119.3	117.6	110.9	104.2
125°	153.2	127.2	125.7	119.5	113.4
127.5°	157.3	134.7	133.2	127.0	120.9
130°	160.3	139.8	138.1	131.5	124.9
132.5°	162.8	143.9	142.3	135.7	129.0
135°	165.4	148.7	147.2	141.2	135.2
137.5°	169.4	154.9	153.4	147.4	141.5
140°	171.9	159.0	157.6	152.1	146.6
142.5°	173.9	162.1	160.8	155.7	150.6
145°	176.6	166.8	165.6	161.2	156.7
147.5°	180.5	172.6	171.6	167.2	162.9
150°	182.6	175.7	174.8	170.8	166.9
152.5°	183.9	177.7	177.0	174.0	171.0
155°	186.8	182.1	181.6	179.4	177.2
157.5°	189.8	186.5	185.9	183.8	181.7
160°	191.1	188.5	188.1	186.5	184.8
162.5°	192.5	190.7	190.3	189.1	187.8
165°	194.6	193.7	193.4	192.3	191.2
167.5°	196.2	195.4	195.3	194.7	194.2
170°	197.5	197.4	197.3	196.8	196.2
172.5°	197.6	197.6	197.6	197.4	197.3
175°	198.4	198.8	198.8	198.8	198.8
177.5°	198.5	198.8	198.8	198.8	198.8
180°	198.8	198.8	198.8	198.8	198.8



TEST NUMBER: P934175
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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	16.76	18.02	17.37	18.64	19.36	19.58	20.84	20.20	21.47	22.18
	3H	17.27	18.40	17.89	19.03	19.78	20.96	22.09	21.59	22.73	23.47
	4H	17.48	18.54	18.12	19.19	19.95	21.42	22.49	22.07	23.13	23.89
	6H	17.62	18.60	18.28	19.26	20.04	21.72	22.71	22.38	23.37	24.14
	8H	17.63	18.57	18.30	19.25	20.03	21.81	22.75	22.48	23.43	24.21
	12H	17.61	18.51	18.29	19.18	19.99	21.86	22.76	22.54	23.43	24.24
4H	2H	17.84	18.91	18.49	19.55	20.31	20.04	21.11	20.69	21.76	22.52
	3H	18.90	19.79	19.57	20.48	21.26	21.58	22.47	22.25	23.16	23.94
	4H	19.19	20.00	19.88	20.69	21.50	22.12	22.93	22.81	23.62	24.43
	6H	19.34	20.04	20.04	20.76	21.58	22.51	23.21	23.21	23.93	24.75
	8H	19.36	20.01	20.06	20.72	21.56	22.63	23.28	23.33	23.99	24.83
	12H	19.34	19.93	20.07	20.67	21.51	22.70	23.29	23.43	24.03	24.87
8H	4H	19.68	20.33	20.38	21.05	21.88	22.28	22.94	22.99	23.65	24.48
	6H	19.96	20.50	20.69	21.26	22.09	22.73	23.27	23.47	24.03	24.87
	8H	20.00	20.49	20.75	21.25	22.10	22.89	23.37	23.64	24.13	24.98
	12H	20.00	20.43	20.76	21.18	22.09	23.00	23.43	23.75	24.18	25.09
12H	4H	19.70	20.29	20.43	21.03	21.87	22.26	22.85	22.99	23.59	24.43
	6H	20.02	20.50	20.77	21.26	22.11	22.73	23.22	23.48	23.98	24.83
	8H	20.11	20.53	20.86	21.28	22.19	22.91	23.34	23.66	24.09	25.00