

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: P935397

Luminaire Tested: SQ4-FA-100U-125D-B35-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935397
REPORT IS A COMBINATION OF REPORTS P933749 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-125D-B35-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

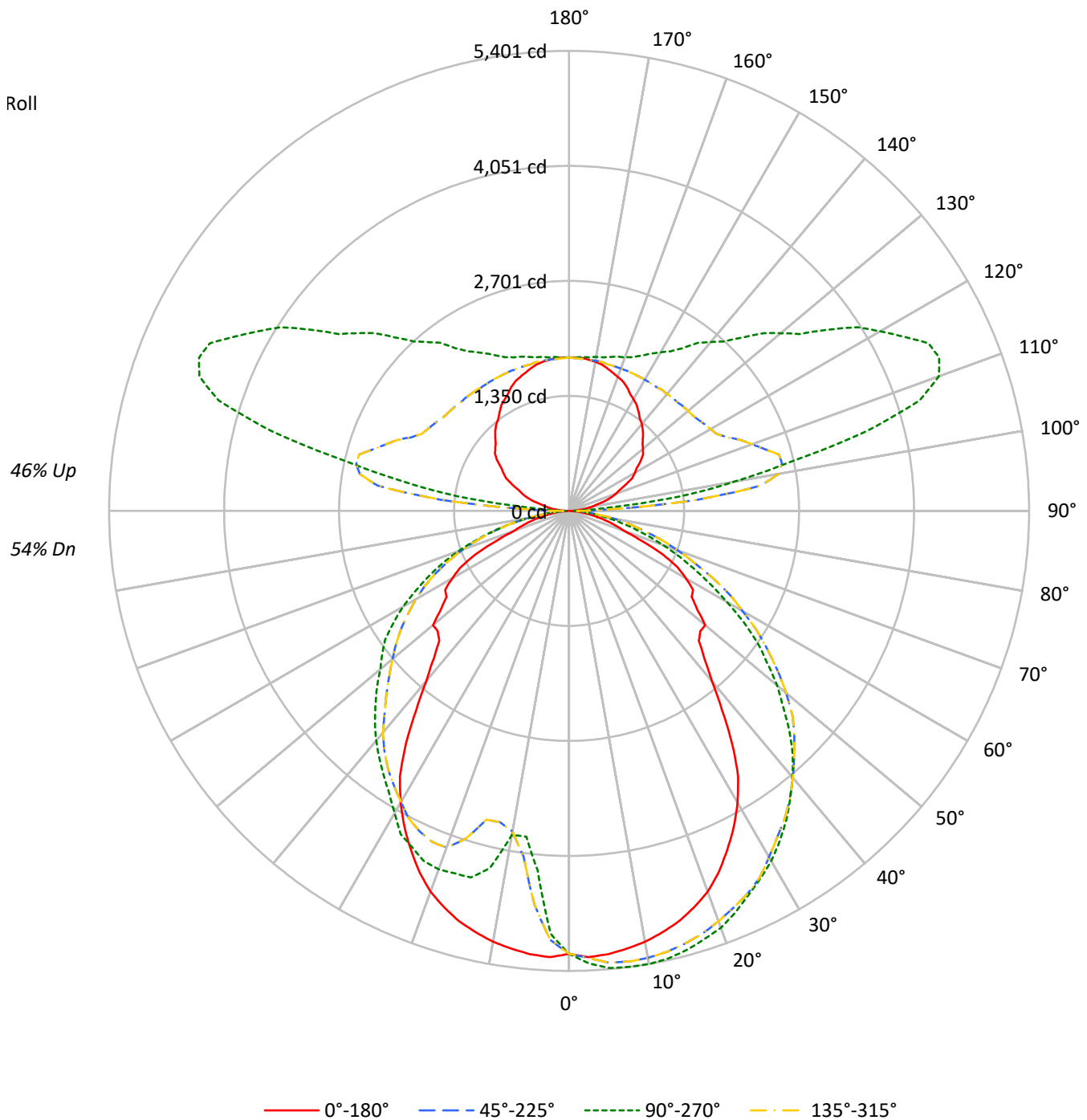
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25167.8 lumens
Efficiency: N/A
Efficacy: 121.9 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): 206.4
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





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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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	59	59	59	54
1	99	94	90	87	91	88	84	81	75	73	70	63	62	60	53	51	50	53	51	50	45
2	90	82	76	71	83	77	71	67	66	62	58	56	53	50	46	44	42	46	44	42	38
3	82	72	65	59	76	67	61	56	58	53	49	49	46	42	41	38	36	41	38	36	32
4	75	64	56	50	69	60	53	47	51	46	42	44	40	36	37	34	31	37	34	31	28
5	69	57	49	43	64	53	46	41	46	40	36	39	35	31	33	30	27	33	30	27	24
6	63	51	43	37	59	48	41	35	41	36	31	35	31	28	30	26	24	30	26	24	21
7	59	46	38	33	54	43	36	31	38	32	28	32	28	24	27	24	21	27	24	21	19
8	54	42	34	29	50	39	32	27	34	29	24	29	25	22	25	22	19	25	22	19	17
9	51	38	31	26	47	36	29	24	31	26	22	27	23	19	23	20	17	23	20	17	15
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	21	18	15	21	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16083	16083	16083	16083
5°	16209	16235	16209	12766
10°	16107	15992	16107	11433
15°	15937	15645	15937	13064
20°	15610	15235	15610	13092
25°	14934	14636	14934	12814
30°	14058	14139	14058	12205
35°	12539	13511	12539	11536
40°	10454	12771	10454	11030
45°	9347	11904	9347	10448
50°	9938	10871	9938	9865
55°	9359	9758	9359	9527
60°	9659	8287	9659	8726
65°	8772	6851	8772	7658
70°	6089	5460	6089	6419
75°	5359	4036	5359	4833
80°	4351	2668	4351	2905
85°	2550	1413	2550	1201

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14316 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	469.4	1.9
10°-20°	1332.6	5.3
20°-30°	2060.0	8.2
30°-40°	2459.2	9.8
40°-50°	2473.6	9.8
50°-60°	2152.4	8.6
60°-70°	1526.1	6.1
70°-80°	807.4	3.2
80°-90°	207.9	0.8
90°-100°	878.2	3.5
100°-110°	2308.8	9.2
110°-120°	2394.0	9.5
120°-130°	1920.3	7.6
130°-140°	1506.8	6.0
140°-150°	1156.5	4.6
150°-160°	832.9	3.3
160°-170°	509.6	2.0
170°-180°	172.2	0.7
0°-30°	3862.0	15.3
0°-40°	6321.2	25.1
0°-60°	10947.2	43.5
0°-90°	13488.6	53.6
90°-120°	5581.1	22.2
90°-150°	10164.6	40.4
90°-180°	11679.0	46.4
0°-180°	25167.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5200	5200	5200	5200	5200	
5°	5224	5387	5224	4236	5224	496
15°	4988	5337	4988	4457	4988	1403
25°	4393	4978	4393	4358	4393	2017
35°	3340	4442	3340	3793	3340	2066
45°	2155	3660	2155	3212	2155	1726
55°	1756	2701	1756	2637	1756	1614
65°	1220	1628	1220	1820	1220	1166
75°	462	772	462	925	462	486
85°	79	197	79	167	79	106
90°	12	46	12	46	12	13
95°	116	531	116	531	116	129
105°	416	3615	416	3615	416	441
115°	739	4655	739	4655	739	730
125°	1028	3707	1028	3707	1028	913
135°	1225	2877	1225	2877	1225	948
145°	1421	2334	1421	2334	1421	890
155°	1606	2010	1606	2010	1606	738
165°	1733	1872	1733	1872	1733	489
175°	1802	1814	1802	1814	1802	171
180°	1802	1802	1802	1802	1802	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7
2.5°	5243.9	5243.9	5273.4	5283.3	5283.3	5268.5	5253.7	5268.5	5312.7	5327.6	5322.6
5°	5224.2	5263.6	5317.7	5327.6	5337.3	5332.4	5322.6	5332.4	5381.6	5391.5	5396.4
7.5°	5184.8	5258.7	5327.6	5342.3	5357.0	5342.3	5337.3	5347.2	5396.4	5406.2	5406.2
10°	5135.7	5239.0	5317.7	5327.6	5342.3	5327.6	5327.6	5347.2	5396.4	5406.2	5411.2
12.5°	5066.8	5209.4	5283.3	5293.1	5312.7	5307.8	5302.9	5322.6	5371.7	5381.6	5381.6
15°	4988.1	5155.4	5224.2	5234.1	5268.5	5258.7	5258.7	5278.3	5332.4	5347.2	5342.3
17.5°	4879.9	5086.5	5165.2	5180.0	5204.5	5199.7	5204.5	5224.2	5273.4	5283.3	5288.1
20°	4756.9	4993.0	5086.5	5101.2	5125.8	5125.8	5125.8	5150.4	5199.7	5219.3	5219.3
22.5°	4589.7	4894.6	4993.0	5002.9	5032.4	5032.4	5042.2	5076.6	5120.9	5125.8	5125.8
25°	4392.9	4786.4	4870.0	4899.6	4929.1	4943.8	4958.6	4978.2	4993.0	4988.1	4993.0
27.5°	4186.3	4648.7	4756.9	4776.6	4815.9	4830.7	4850.3	4855.3	4860.2	4874.9	4865.2
30°	3955.1	4456.8	4619.1	4638.8	4702.8	4712.6	4693.0	4702.8	4727.4	4737.2	4747.0
32.5°	3694.3	4171.5	4476.5	4520.8	4579.8	4550.3	4545.4	4560.1	4599.5	4599.5	4609.3
35°	3340.1	3950.1	4343.6	4383.0	4427.3	4392.9	4412.5	4417.5	4442.1	4456.8	4451.9
37.5°	2951.6	3758.3	4205.9	4235.5	4269.9	4225.6	4255.2	4269.9	4289.6	4279.7	4279.7
40°	2607.2	3458.2	4043.6	4063.3	4092.8	4058.4	4087.9	4097.7	4107.6	4097.7	4092.8
42.5°	2351.4	3128.6	3871.4	3896.1	3876.4	3900.9	3910.8	3930.5	3915.7	3896.1	3896.1
45°	2154.6	3040.0	3684.5	3714.0	3684.5	3723.9	3738.6	3738.6	3694.3	3684.5	3679.6
47.5°	2090.7	2863.0	3497.6	3497.6	3482.8	3532.0	3556.6	3522.1	3477.9	3463.1	3463.1
50°	2085.8	2666.2	3241.8	3222.1	3290.9	3350.0	3325.4	3290.9	3256.5	3202.4	3202.4
52.5°	1893.9	2425.2	2912.1	2986.0	3094.2	3128.6	3089.3	3054.9	2995.8	2971.2	2951.6
55°	1756.1	2174.3	2612.1	2759.7	2872.8	2917.1	2843.3	2808.8	2720.4	2705.5	2695.8
57.5°	1726.7	1810.3	2336.6	2523.6	2661.3	2656.4	2612.1	2548.2	2474.3	2459.6	2454.7
60°	1584.0	1308.5	2041.5	2262.8	2405.5	2390.7	2351.4	2292.4	2223.5	2213.7	2203.8
62.5°	1436.4	949.4	1707.0	1957.9	2159.5	2154.6	2120.2	2031.6	1982.5	1957.9	1938.2
65°	1220.0	796.9	1215.0	1628.3	1918.5	1928.3	1854.6	1790.6	1736.4	1707.0	1702.0
67.5°	929.8	649.3	821.5	1357.7	1687.3	1677.4	1584.0	1554.5	1485.6	1470.8	1441.3
70°	688.7	432.9	570.6	1101.9	1461.0	1436.4	1362.6	1328.2	1264.3	1229.8	1210.1
72.5°	570.6	349.2	418.1	855.9	1229.8	1200.3	1136.3	1097.0	1042.8	1013.4	993.7
75°	462.4	368.9	319.8	634.6	998.6	978.9	919.9	880.5	836.2	796.9	801.8
77.5°	339.4	344.4	255.8	467.3	792.0	762.5	728.0	678.9	659.2	619.9	619.9
80°	255.8	270.5	191.9	319.8	570.6	570.6	541.1	506.7	472.3	452.5	452.5
82.5°	172.2	172.2	142.6	201.6	388.7	373.8	354.2	344.4	324.7	314.8	314.8
85°	78.7	98.4	88.6	123.0	211.5	221.3	221.3	211.5	206.6	196.8	201.6
87.5°	24.6	44.3	54.1	68.9	108.2	113.2	118.0	118.0	118.0	123.0	123.0
90°	12.1	21.8	31.4	33.8	53.2	79.0	91.9	81.7	61.2	45.9	45.9
92.5°	48.4	130.5	212.8	233.3	328.1	454.4	517.5	453.6	325.7	229.7	220.6
95°	116.1	266.6	417.1	454.7	807.3	1277.5	1512.6	1349.8	1024.1	779.9	752.1
97.5°	200.7	333.4	466.2	499.4	1087.4	1871.4	2263.5	2160.6	1954.8	1800.4	1747.8
100°	266.0	386.3	506.7	536.8	1189.4	2059.4	2494.5	2502.1	2517.1	2528.3	2465.6
102.5°	321.6	433.9	546.2	574.3	1236.2	2118.6	2559.8	2690.9	2953.1	3149.8	3096.1
105°	416.0	511.1	606.2	629.9	1270.8	2125.3	2552.5	2846.5	3434.4	3875.3	3846.4
107.5°	512.7	601.4	690.0	712.2	1277.2	2030.6	2407.4	2817.5	3637.5	4252.6	4259.5
110°	578.0	658.0	738.1	758.1	1267.5	1946.8	2286.5	2744.9	3661.7	4349.3	4379.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	642.1	718.4	794.7	813.8	1268.0	1873.7	2176.5	2645.7	3583.9	4287.6	4333.9
115°	738.8	809.2	879.6	897.2	1279.7	1789.6	2044.7	2496.6	3400.5	4078.4	4142.5
117.5°	834.3	898.3	962.2	978.2	1303.5	1737.1	1954.0	2361.8	3177.6	3789.5	3860.5
120°	889.9	950.1	1010.4	1025.4	1322.9	1719.5	1917.7	2290.4	3035.8	3594.8	3663.9
122.5°	944.4	1005.1	1065.8	1081.0	1350.7	1710.2	1889.9	2225.5	2896.7	3400.1	3468.2
125°	1027.8	1083.1	1138.5	1152.3	1388.1	1702.5	1859.7	2144.8	2714.9	3142.6	3205.3
127.5°	1095.5	1151.4	1207.3	1221.2	1425.6	1698.1	1834.3	2079.1	2568.6	2935.8	2988.7
130°	1131.8	1192.0	1252.1	1267.2	1453.0	1700.8	1824.6	2042.6	2478.4	2805.3	2854.2
132.5°	1169.3	1229.5	1289.6	1304.7	1475.1	1702.4	1816.1	2011.2	2401.4	2694.0	2737.8
135°	1224.9	1279.7	1334.5	1348.2	1499.3	1700.9	1801.7	1965.0	2291.7	2536.7	2574.5
137.5°	1281.7	1336.0	1390.2	1403.8	1535.6	1711.4	1799.2	1937.3	2213.6	2420.8	2451.7
140°	1328.9	1378.9	1428.8	1441.3	1557.8	1713.1	1790.7	1910.0	2148.7	2327.6	2356.5
142.5°	1365.1	1411.3	1457.6	1469.1	1576.3	1719.2	1790.7	1895.6	2105.2	2262.3	2287.1
145°	1420.7	1461.1	1501.4	1511.4	1600.5	1719.3	1778.7	1864.4	2035.8	2164.4	2183.2
147.5°	1476.4	1515.6	1554.9	1564.6	1636.0	1731.1	1778.7	1846.1	1981.0	2082.2	2097.8
150°	1512.6	1548.1	1583.5	1592.5	1654.6	1737.3	1778.7	1835.7	1949.5	2035.0	2047.6
152.5°	1550.1	1577.0	1603.9	1610.6	1666.6	1741.3	1778.7	1827.3	1924.5	1997.5	2007.0
155°	1605.7	1625.6	1645.6	1650.5	1693.2	1750.2	1778.7	1817.4	1894.7	1952.7	1959.0
157.5°	1646.8	1666.2	1685.6	1690.4	1719.9	1759.1	1778.7	1808.7	1868.9	1914.1	1918.5
160°	1674.6	1689.7	1704.8	1708.5	1731.9	1763.1	1778.7	1804.5	1856.0	1894.7	1897.2
162.5°	1702.4	1713.7	1725.0	1727.8	1744.8	1767.4	1778.7	1800.4	1843.9	1876.6	1879.0
165°	1732.7	1742.8	1753.1	1755.6	1763.3	1773.6	1778.7	1794.3	1825.4	1848.8	1851.3
167.5°	1760.5	1765.3	1770.2	1771.4	1777.8	1786.4	1790.7	1801.0	1821.4	1836.7	1837.8
170°	1778.7	1783.5	1788.4	1789.5	1789.9	1790.4	1790.7	1801.0	1821.4	1836.7	1836.7
172.5°	1788.3	1789.4	1790.4	1790.7	1790.7	1790.7	1790.7	1798.8	1814.9	1827.0	1826.1
175°	1801.7	1801.7	1801.7	1801.7	1798.0	1793.1	1790.7	1795.8	1806.0	1813.7	1813.7
177.5°	1801.7	1801.7	1801.7	1801.7	1798.9	1795.1	1793.1	1797.2	1805.2	1811.3	1810.2
180°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7
2.5°	5332.4	5317.7	5332.4	5322.6	5327.6	5312.7	5268.5	5253.7	5268.5	5283.3	5283.3
5°	5396.4	5386.6	5396.4	5396.4	5391.5	5381.6	5332.4	5322.6	5332.4	5337.3	5327.6
7.5°	5416.0	5401.3	5416.0	5406.2	5406.2	5396.4	5347.2	5337.3	5342.3	5357.0	5342.3
10°	5416.0	5401.3	5416.0	5411.2	5406.2	5396.4	5347.2	5327.6	5327.6	5342.3	5327.6
12.5°	5391.5	5381.6	5391.5	5381.6	5381.6	5371.7	5322.6	5302.9	5307.8	5312.7	5293.1
15°	5352.1	5337.3	5352.1	5342.3	5347.2	5332.4	5278.3	5258.7	5258.7	5268.5	5234.1
17.5°	5293.1	5273.4	5293.1	5288.1	5283.3	5273.4	5224.2	5204.5	5199.7	5204.5	5180.0
20°	5224.2	5209.4	5224.2	5219.3	5219.3	5199.7	5150.4	5125.8	5125.8	5125.8	5101.2
22.5°	5116.0	5101.2	5116.0	5125.8	5125.8	5120.9	5076.6	5042.2	5032.4	5032.4	5002.9
25°	4993.0	4978.2	4993.0	4993.0	4988.1	4993.0	4978.2	4958.6	4943.8	4929.1	4899.6
27.5°	4874.9	4865.2	4874.9	4865.2	4874.9	4860.2	4855.3	4850.3	4830.7	4815.9	4776.6
30°	4756.9	4747.0	4756.9	4747.0	4737.2	4727.4	4702.8	4693.0	4712.6	4702.8	4638.8
32.5°	4609.3	4599.5	4609.3	4609.3	4599.5	4599.5	4560.1	4545.4	4550.3	4579.8	4520.8
35°	4456.8	4442.1	4456.8	4451.9	4456.8	4442.1	4417.5	4412.5	4392.9	4427.3	4383.0
37.5°	4279.7	4265.0	4279.7	4279.7	4279.7	4289.6	4269.9	4255.2	4225.6	4269.9	4235.5
40°	4097.7	4078.0	4097.7	4092.8	4097.7	4107.6	4097.7	4087.9	4058.4	4092.8	4063.3
42.5°	3891.1	3886.2	3891.1	3896.1	3896.1	3915.7	3930.5	3910.8	3900.9	3876.4	3896.1
45°	3669.7	3659.9	3669.7	3679.6	3684.5	3694.3	3738.6	3738.6	3723.9	3684.5	3714.0
47.5°	3433.7	3409.0	3433.7	3463.1	3463.1	3477.9	3522.1	3556.6	3532.0	3482.8	3497.6
50°	3182.8	3187.6	3182.8	3202.4	3202.4	3256.5	3290.9	3325.4	3350.0	3290.9	3222.1
52.5°	2936.7	2931.9	2936.7	2951.6	2971.2	2995.8	3054.9	3089.3	3128.6	3094.2	2986.0
55°	2690.8	2700.7	2690.8	2695.8	2705.5	2720.4	2808.8	2843.3	2917.1	2872.8	2759.7
57.5°	2444.9	2430.1	2444.9	2454.7	2459.6	2474.3	2548.2	2612.1	2656.4	2661.3	2523.6
60°	2159.5	2139.8	2159.5	2203.8	2213.7	2223.5	2292.4	2351.4	2390.7	2405.5	2262.8
62.5°	1908.6	1874.2	1908.6	1938.2	1957.9	1982.5	2031.6	2120.2	2154.6	2159.5	1957.9
65°	1643.0	1628.3	1643.0	1702.0	1707.0	1736.4	1790.6	1854.6	1928.3	1918.5	1628.3
67.5°	1401.9	1401.9	1401.9	1441.3	1470.8	1485.6	1554.5	1584.0	1677.4	1687.3	1357.7
70°	1180.6	1175.7	1180.6	1210.1	1229.8	1264.3	1328.2	1362.6	1436.4	1461.0	1101.9
72.5°	969.1	964.2	969.1	993.7	1013.4	1042.8	1097.0	1136.3	1200.3	1229.8	855.9
75°	782.2	772.3	782.2	801.8	796.9	836.2	880.5	919.9	978.9	998.6	634.6
77.5°	600.1	600.1	600.1	619.9	619.9	659.2	678.9	728.0	762.5	792.0	467.3
80°	447.7	442.7	447.7	452.5	452.5	472.3	506.7	541.1	570.6	570.6	319.8
82.5°	314.8	304.9	314.8	314.8	314.8	324.7	344.4	354.2	373.8	388.7	201.6
85°	196.8	196.8	196.8	201.6	196.8	206.6	211.5	221.3	221.3	211.5	123.0
87.5°	127.9	123.0	127.9	123.0	123.0	118.0	118.0	118.0	113.2	108.2	68.9
90°	45.9	45.9	45.9	45.9	45.9	61.2	81.7	91.9	79.0	53.2	33.8
92.5°	184.0	147.5	184.0	220.6	229.7	325.7	453.6	517.5	454.4	328.1	233.3
95°	641.5	530.8	641.5	752.1	779.9	1024.1	1349.8	1512.6	1277.5	807.3	454.7
97.5°	1537.1	1326.5	1537.1	1747.8	1800.4	1954.8	2160.6	2263.5	1871.4	1087.4	499.4
100°	2214.6	1963.7	2214.6	2465.6	2528.3	2517.1	2502.1	2494.5	2059.4	1189.4	536.8
102.5°	2881.1	2666.2	2881.1	3096.1	3149.8	2953.1	2690.9	2559.8	2118.6	1236.2	574.3
105°	3730.8	3615.3	3730.8	3846.4	3875.3	3434.4	2846.5	2552.5	2125.3	1270.8	629.9
107.5°	4287.5	4315.4	4287.5	4259.5	4252.6	3637.5	2817.5	2407.4	2030.6	1277.2	712.2
110°	4499.7	4620.2	4499.7	4379.4	4349.3	3661.7	2744.9	2286.5	1946.8	1267.5	758.1



TEST NUMBER: P935397

CATALOG NUMBER: SQ4-FA-100U-125D-B35-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4518.7	4703.6	4518.7	4333.9	4287.6	3583.9	2645.7	2176.5	1873.7	1268.0	813.8
115°	4398.9	4655.2	4398.9	4142.5	4078.4	3400.5	2496.6	2044.7	1789.6	1279.7	897.2
117.5°	4144.8	4429.1	4144.8	3860.5	3789.5	3177.6	2361.8	1954.0	1737.1	1303.5	978.2
120°	3940.1	4216.3	3940.1	3663.9	3594.8	3035.8	2290.4	1917.7	1719.5	1322.9	1025.4
122.5°	3740.6	4013.1	3740.6	3468.2	3400.1	2896.7	2225.5	1889.9	1710.2	1350.7	1081.0
125°	3456.2	3707.2	3456.2	3205.3	3142.6	2714.9	2144.8	1859.7	1702.5	1388.1	1152.3
127.5°	3200.5	3412.2	3200.5	2988.7	2935.8	2568.6	2079.1	1834.3	1698.1	1425.6	1221.2
130°	3049.7	3245.4	3049.7	2854.2	2805.3	2478.4	2042.6	1824.6	1700.8	1453.0	1267.2
132.5°	2913.0	3088.2	2913.0	2737.8	2694.0	2401.4	2011.2	1816.1	1702.4	1475.1	1304.7
135°	2725.5	2876.6	2725.5	2574.5	2536.7	2291.7	1965.0	1801.7	1700.9	1499.3	1348.2
137.5°	2575.2	2698.9	2575.2	2451.7	2420.8	2213.6	1937.3	1799.2	1711.4	1535.6	1403.8
140°	2472.1	2587.6	2472.1	2356.5	2327.6	2148.7	1910.0	1790.7	1713.1	1557.8	1441.3
142.5°	2386.6	2486.0	2386.6	2287.1	2262.3	2105.2	1895.6	1790.7	1719.2	1576.3	1469.1
145°	2258.4	2333.6	2258.4	2183.2	2164.4	2035.8	1864.4	1778.7	1719.3	1600.5	1511.4
147.5°	2160.1	2222.4	2160.1	2097.8	2082.2	1981.0	1846.1	1778.7	1731.1	1636.0	1564.6
150°	2098.2	2148.7	2098.2	2047.6	2035.0	1949.5	1835.7	1778.7	1737.3	1654.6	1592.5
152.5°	2045.2	2083.4	2045.2	2007.0	1997.5	1924.5	1827.3	1778.7	1741.3	1666.6	1610.6
155°	1984.3	2009.6	1984.3	1959.0	1952.7	1894.7	1817.4	1778.7	1750.2	1693.2	1650.5
157.5°	1936.3	1954.0	1936.3	1918.5	1914.1	1868.9	1808.7	1778.7	1759.1	1719.9	1690.4
160°	1907.5	1917.7	1907.5	1897.2	1894.7	1856.0	1804.5	1778.7	1763.1	1731.9	1708.5
162.5°	1888.7	1898.4	1888.7	1879.0	1876.6	1843.9	1800.4	1778.7	1767.4	1744.8	1727.8
165°	1861.5	1871.7	1861.5	1851.3	1848.8	1825.4	1794.3	1778.7	1773.6	1763.3	1755.6
167.5°	1842.1	1846.3	1842.1	1837.8	1836.7	1821.4	1801.0	1790.7	1786.4	1777.8	1771.4
170°	1836.7	1836.7	1836.7	1836.7	1836.7	1821.4	1801.0	1790.7	1790.4	1789.9	1789.5
172.5°	1822.3	1818.5	1822.3	1826.1	1827.0	1814.9	1798.8	1790.7	1790.7	1790.7	1790.7
175°	1813.7	1813.7	1813.7	1813.7	1813.7	1806.0	1795.8	1790.7	1793.1	1798.0	1801.7
177.5°	1805.9	1801.7	1805.9	1810.2	1811.3	1805.2	1797.2	1793.1	1795.1	1798.9	1801.7
180°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7
2.5°	5273.4	5243.9	5243.9	5194.7	5175.0	5160.3	5135.7	5061.9	5042.2	5022.5	5052.1
5°	5317.7	5263.6	5224.2	5135.7	5061.9	5032.4	4938.9	4761.8	4643.7	4555.2	4506.0
7.5°	5327.6	5258.7	5184.8	5047.1	4870.0	4791.3	4506.0	4181.3	4092.8	4014.1	3964.9
10°	5317.7	5239.0	5135.7	4929.1	4510.9	4373.2	4087.9	3876.4	3822.2	3807.5	3822.2
12.5°	5283.3	5209.4	5066.8	4722.4	4137.0	4043.6	3876.4	3753.3	3743.5	3768.2	3900.9
15°	5224.2	5155.4	4988.1	4446.9	3930.5	3861.6	3743.5	3699.3	3753.3	3925.5	4324.0
17.5°	5165.2	5086.5	4879.9	4176.4	3773.1	3723.9	3640.2	3728.8	4033.8	4265.0	4397.8
20°	5086.5	4993.0	4756.9	3979.7	3659.9	3615.6	3576.3	3974.7	4205.9	4289.6	4363.3
22.5°	4993.0	4894.6	4589.7	3841.9	3541.9	3507.4	3532.0	4112.4	4205.9	4265.0	4328.9
25°	4870.0	4786.4	4392.9	3733.7	3448.4	3409.0	3502.5	4097.7	4151.8	4166.6	4294.5
27.5°	4756.9	4648.7	4186.3	3635.3	3335.2	3320.5	3527.1	4033.8	4073.1	4087.9	4225.6
30°	4619.1	4456.8	3955.1	3532.0	3217.2	3212.2	3532.0	3955.1	3945.2	3984.5	4122.3
32.5°	4476.5	4171.5	3694.3	3404.1	3104.0	3099.2	3497.6	3836.9	3827.2	3881.2	3984.5
35°	4343.6	3950.1	3340.1	3256.5	2961.4	2966.3	3414.0	3699.3	3704.2	3753.3	3817.3
37.5°	4205.9	3758.3	2951.6	3094.2	2823.7	2823.7	3300.8	3571.3	3561.6	3576.3	3664.9
40°	4043.6	3458.2	2607.2	2882.7	2695.8	2680.9	3163.1	3433.7	3399.2	3394.3	3517.3
42.5°	3871.4	3128.6	2351.4	2602.2	2548.2	2528.5	2995.8	3266.4	3202.4	3217.2	3374.5
45°	3684.5	3040.0	2154.6	2198.9	2395.7	2380.9	2813.8	3074.5	3030.3	3069.6	3231.9
47.5°	3497.6	2863.0	2090.7	1825.0	2233.4	2228.4	2612.1	2887.6	2863.0	2902.3	3074.5
50°	3241.8	2666.2	2085.8	1564.4	2051.3	2070.9	2371.0	2705.5	2705.5	2740.0	2922.0
52.5°	2912.1	2425.2	1893.9	1416.8	1839.7	1898.9	2159.5	2548.2	2558.0	2592.5	2754.8
55°	2612.1	2174.3	1756.1	1303.6	1588.9	1716.8	1952.9	2385.8	2405.5	2439.9	2587.5
57.5°	2336.6	1810.3	1726.7	1170.7	1357.7	1480.7	1770.9	2228.4	2238.3	2267.8	2410.4
60°	2041.5	1308.5	1584.0	1028.1	1156.0	1249.5	1603.7	2041.5	2075.9	2095.6	2218.5
62.5°	1707.0	949.4	1436.4	929.8	1057.7	1077.3	1465.9	1864.4	1908.6	1923.4	1997.2
65°	1215.0	796.9	1220.0	846.1	954.4	959.2	1318.3	1682.4	1721.7	1746.3	1800.4
67.5°	821.5	649.3	929.8	767.4	875.6	880.5	1175.7	1470.8	1524.9	1544.7	1579.1
70°	570.6	432.9	688.7	683.7	787.1	796.9	1023.2	1279.0	1328.2	1342.9	1362.6
72.5°	418.1	349.2	570.6	614.9	693.6	703.5	865.8	1062.5	1111.7	1126.5	1136.3
75°	319.8	368.9	462.4	536.1	590.3	595.3	708.3	865.8	900.2	910.1	914.9
77.5°	255.8	344.4	339.4	432.9	482.1	472.3	555.9	669.0	698.6	698.6	698.6
80°	191.9	270.5	255.8	309.9	354.2	344.4	398.5	477.1	487.0	496.8	492.0
82.5°	142.6	172.2	172.2	196.8	236.1	226.3	265.6	309.9	309.9	309.9	319.8
85°	88.6	98.4	78.7	103.3	132.8	127.9	147.6	167.2	172.2	172.2	162.3
87.5°	54.1	44.3	24.6	39.3	59.0	59.0	68.9	73.7	68.9	68.9	68.9
90°	31.4	21.8	12.1	21.8	31.4	33.8	53.2	79.0	91.9	81.7	61.2
92.5°	212.8	130.5	48.4	130.5	212.8	233.3	328.1	454.4	517.5	453.6	325.7
95°	417.1	266.6	116.1	266.6	417.1	454.7	807.3	1277.5	1512.6	1349.8	1024.1
97.5°	466.2	333.4	200.7	333.4	466.2	499.4	1087.4	1871.4	2263.5	2160.6	1954.8
100°	506.7	386.3	266.0	386.3	506.7	536.8	1189.4	2059.4	2494.5	2502.1	2517.1
102.5°	546.2	433.9	321.6	433.9	546.2	574.3	1236.2	2118.6	2559.8	2690.9	2953.1
105°	606.2	511.1	416.0	511.1	606.2	629.9	1270.8	2125.3	2552.5	2846.5	3434.4
107.5°	690.0	601.4	512.7	601.4	690.0	712.2	1277.2	2030.6	2407.4	2817.5	3637.5
110°	738.1	658.0	578.0	658.0	738.1	758.1	1267.5	1946.8	2286.5	2744.9	3661.7



TEST NUMBER: P935397

CATALOG NUMBER: SQ4-FA-100U-125D-B35-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	794.7	718.4	642.1	718.4	794.7	813.8	1268.0	1873.7	2176.5	2645.7	3583.9
115°	879.6	809.2	738.8	809.2	879.6	897.2	1279.7	1789.6	2044.7	2496.6	3400.5
117.5°	962.2	898.3	834.3	898.3	962.2	978.2	1303.5	1737.1	1954.0	2361.8	3177.6
120°	1010.4	950.1	889.9	950.1	1010.4	1025.4	1322.9	1719.5	1917.7	2290.4	3035.8
122.5°	1065.8	1005.1	944.4	1005.1	1065.8	1081.0	1350.7	1710.2	1889.9	2225.5	2896.7
125°	1138.5	1083.1	1027.8	1083.1	1138.5	1152.3	1388.1	1702.5	1859.7	2144.8	2714.9
127.5°	1207.3	1151.4	1095.5	1151.4	1207.3	1221.2	1425.6	1698.1	1834.3	2079.1	2568.6
130°	1252.1	1192.0	1131.8	1192.0	1252.1	1267.2	1453.0	1700.8	1824.6	2042.6	2478.4
132.5°	1289.6	1229.5	1169.3	1229.5	1289.6	1304.7	1475.1	1702.4	1816.1	2011.2	2401.4
135°	1334.5	1279.7	1224.9	1279.7	1334.5	1348.2	1499.3	1700.9	1801.7	1965.0	2291.7
137.5°	1390.2	1336.0	1281.7	1336.0	1390.2	1403.8	1535.6	1711.4	1799.2	1937.3	2213.6
140°	1428.8	1378.9	1328.9	1378.9	1428.8	1441.3	1557.8	1713.1	1790.7	1910.0	2148.7
142.5°	1457.6	1411.3	1365.1	1411.3	1457.6	1469.1	1576.3	1719.2	1790.7	1895.6	2105.2
145°	1501.4	1461.1	1420.7	1461.1	1501.4	1511.4	1600.5	1719.3	1778.7	1864.4	2035.8
147.5°	1554.9	1515.6	1476.4	1515.6	1554.9	1564.6	1636.0	1731.1	1778.7	1846.1	1981.0
150°	1583.5	1548.1	1512.6	1548.1	1583.5	1592.5	1654.6	1737.3	1778.7	1835.7	1949.5
152.5°	1603.9	1577.0	1550.1	1577.0	1603.9	1610.6	1666.6	1741.3	1778.7	1827.3	1924.5
155°	1645.6	1625.6	1605.7	1625.6	1645.6	1650.5	1693.2	1750.2	1778.7	1817.4	1894.7
157.5°	1685.6	1666.2	1646.8	1666.2	1685.6	1690.4	1719.9	1759.1	1778.7	1808.7	1868.9
160°	1704.8	1689.7	1674.6	1689.7	1704.8	1708.5	1731.9	1763.1	1778.7	1804.5	1856.0
162.5°	1725.0	1713.7	1702.4	1713.7	1725.0	1727.8	1744.8	1767.4	1778.7	1800.4	1843.9
165°	1753.1	1742.8	1732.7	1742.8	1753.1	1755.6	1763.3	1773.6	1778.7	1794.3	1825.4
167.5°	1770.2	1765.3	1760.5	1765.3	1770.2	1771.4	1777.8	1786.4	1790.7	1801.0	1821.4
170°	1788.4	1783.5	1778.7	1783.5	1788.4	1789.5	1789.9	1790.4	1790.7	1801.0	1821.4
172.5°	1790.4	1789.4	1788.3	1789.4	1790.4	1790.7	1790.7	1790.7	1790.7	1798.8	1814.9
175°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1798.0	1793.1	1790.7	1795.8	1806.0
177.5°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1798.9	1795.1	1793.1	1797.2	1805.2
180°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7



TEST NUMBER: P935397

CATALOG NUMBER: SQ4-FA-100U-125D-B35-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7	5199.7
2.5°	5017.6	5002.9	5022.5	4968.5	5022.5	5002.9	5017.6	5052.1	5022.5	5042.2	5061.9
5°	4402.7	4378.1	4299.4	4235.5	4299.4	4378.1	4402.7	4506.0	4555.2	4643.7	4761.8
7.5°	3935.4	3915.7	3896.1	3856.7	3896.1	3915.7	3935.4	3964.9	4014.1	4092.8	4181.3
10°	3832.1	3836.9	3866.5	3861.6	3866.5	3836.9	3832.1	3822.2	3807.5	3822.2	3876.4
12.5°	4097.7	4142.0	4304.3	4294.5	4304.3	4142.0	4097.7	3900.9	3768.2	3743.5	3753.3
15°	4402.7	4417.5	4451.9	4456.8	4451.9	4417.5	4402.7	4324.0	3925.5	3753.3	3699.3
17.5°	4432.2	4437.1	4461.8	4461.8	4461.8	4437.1	4432.2	4397.8	4265.0	4033.8	3728.8
20°	4407.6	4417.5	4466.7	4476.5	4466.7	4417.5	4407.6	4363.3	4289.6	4205.9	3974.7
22.5°	4397.8	4417.5	4456.8	4451.9	4456.8	4417.5	4397.8	4328.9	4265.0	4205.9	4112.4
25°	4348.6	4348.6	4353.5	4358.5	4353.5	4348.6	4348.6	4294.5	4166.6	4151.8	4097.7
27.5°	4245.3	4255.2	4284.6	4279.7	4284.6	4255.2	4245.3	4225.6	4087.9	4073.1	4033.8
30°	4151.8	4142.0	4117.4	4097.7	4117.4	4142.0	4151.8	4122.3	3984.5	3945.2	3955.1
32.5°	3994.4	3969.8	3945.2	3930.5	3945.2	3969.8	3994.4	3984.5	3881.2	3827.2	3836.9
35°	3807.5	3812.4	3807.5	3792.8	3807.5	3812.4	3807.5	3817.3	3753.3	3704.2	3699.3
37.5°	3674.6	3684.5	3679.6	3659.9	3679.6	3684.5	3674.6	3664.9	3576.3	3561.6	3571.3
40°	3536.9	3541.9	3536.9	3522.1	3536.9	3541.9	3536.9	3517.3	3394.3	3399.2	3433.7
42.5°	3404.1	3399.2	3384.4	3374.5	3384.4	3399.2	3404.1	3374.5	3217.2	3202.4	3266.4
45°	3251.6	3256.5	3227.0	3212.2	3227.0	3256.5	3251.6	3231.9	3069.6	3030.3	3074.5
47.5°	3099.2	3099.2	3074.5	3059.7	3074.5	3099.2	3099.2	3074.5	2902.3	2863.0	2887.6
50°	2936.7	2931.9	2897.4	2892.5	2897.4	2931.9	2936.7	2922.0	2740.0	2705.5	2705.5
52.5°	2749.8	2749.8	2754.8	2764.6	2754.8	2749.8	2749.8	2754.8	2592.5	2558.0	2548.2
55°	2587.5	2592.5	2626.9	2636.7	2626.9	2592.5	2587.5	2587.5	2439.9	2405.5	2385.8
57.5°	2420.3	2420.3	2444.9	2444.9	2444.9	2420.3	2420.3	2410.4	2267.8	2238.3	2228.4
60°	2228.4	2238.3	2258.0	2253.0	2258.0	2238.3	2228.4	2218.5	2095.6	2075.9	2041.5
62.5°	2026.8	2036.5	2041.5	2031.6	2041.5	2036.5	2026.8	1997.2	1923.4	1908.6	1864.4
65°	1815.2	1825.0	1830.0	1820.1	1830.0	1825.0	1815.2	1800.4	1746.3	1721.7	1682.4
67.5°	1598.8	1593.8	1588.9	1608.5	1588.9	1593.8	1598.8	1579.1	1544.7	1524.9	1470.8
70°	1377.3	1377.3	1372.5	1382.3	1372.5	1377.3	1377.3	1362.6	1342.9	1328.2	1279.0
72.5°	1141.3	1136.3	1156.0	1141.3	1156.0	1136.3	1141.3	1136.3	1126.5	1111.7	1062.5
75°	910.1	919.9	910.1	924.8	910.1	919.9	910.1	914.9	910.1	900.2	865.8
77.5°	693.6	703.5	693.6	693.6	693.6	703.5	693.6	698.6	698.6	698.6	669.0
80°	492.0	487.0	487.0	482.1	487.0	487.0	492.0	492.0	496.8	487.0	477.1
82.5°	314.8	309.9	309.9	319.8	309.9	309.9	314.8	319.8	309.9	309.9	309.9
85°	172.2	177.1	167.2	167.2	167.2	177.1	172.2	162.3	172.2	172.2	167.2
87.5°	64.0	59.0	59.0	59.0	59.0	59.0	64.0	68.9	68.9	68.9	73.7
90°	45.9	45.9	45.9	45.9	45.9	45.9	45.9	61.2	81.7	91.9	79.0
92.5°	229.7	220.6	184.0	147.5	184.0	220.6	229.7	325.7	453.6	517.5	454.4
95°	779.9	752.1	641.5	530.8	641.5	752.1	779.9	1024.1	1349.8	1512.6	1277.5
97.5°	1800.4	1747.8	1537.1	1326.5	1537.1	1747.8	1800.4	1954.8	2160.6	2263.5	1871.4
100°	2528.3	2465.6	2214.6	1963.7	2214.6	2465.6	2528.3	2517.1	2502.1	2494.5	2059.4
102.5°	3149.8	3096.1	2881.1	2666.2	2881.1	3096.1	3149.8	2953.1	2690.9	2559.8	2118.6
105°	3875.3	3846.4	3730.8	3615.3	3730.8	3846.4	3875.3	3434.4	2846.5	2552.5	2125.3
107.5°	4252.6	4259.5	4287.5	4315.4	4287.5	4259.5	4252.6	3637.5	2817.5	2407.4	2030.6
110°	4349.3	4379.4	4499.7	4620.2	4499.7	4379.4	4349.3	3661.7	2744.9	2286.5	1946.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4287.6	4333.9	4518.7	4703.6	4518.7	4333.9	4287.6	3583.9	2645.7	2176.5	1873.7
115°	4078.4	4142.5	4398.9	4655.2	4398.9	4142.5	4078.4	3400.5	2496.6	2044.7	1789.6
117.5°	3789.5	3860.5	4144.8	4429.1	4144.8	3860.5	3789.5	3177.6	2361.8	1954.0	1737.1
120°	3594.8	3663.9	3940.1	4216.3	3940.1	3663.9	3594.8	3035.8	2290.4	1917.7	1719.5
122.5°	3400.1	3468.2	3740.6	4013.1	3740.6	3468.2	3400.1	2896.7	2225.5	1889.9	1710.2
125°	3142.6	3205.3	3456.2	3707.2	3456.2	3205.3	3142.6	2714.9	2144.8	1859.7	1702.5
127.5°	2935.8	2988.7	3200.5	3412.2	3200.5	2988.7	2935.8	2568.6	2079.1	1834.3	1698.1
130°	2805.3	2854.2	3049.7	3245.4	3049.7	2854.2	2805.3	2478.4	2042.6	1824.6	1700.8
132.5°	2694.0	2737.8	2913.0	3088.2	2913.0	2737.8	2694.0	2401.4	2011.2	1816.1	1702.4
135°	2536.7	2574.5	2725.5	2876.6	2725.5	2574.5	2536.7	2291.7	1965.0	1801.7	1700.9
137.5°	2420.8	2451.7	2575.2	2698.9	2575.2	2451.7	2420.8	2213.6	1937.3	1799.2	1711.4
140°	2327.6	2356.5	2472.1	2587.6	2472.1	2356.5	2327.6	2148.7	1910.0	1790.7	1713.1
142.5°	2262.3	2287.1	2386.6	2486.0	2386.6	2287.1	2262.3	2105.2	1895.6	1790.7	1719.2
145°	2164.4	2183.2	2258.4	2333.6	2258.4	2183.2	2164.4	2035.8	1864.4	1778.7	1719.3
147.5°	2082.2	2097.8	2160.1	2222.4	2160.1	2097.8	2082.2	1981.0	1846.1	1778.7	1731.1
150°	2035.0	2047.6	2098.2	2148.7	2098.2	2047.6	2035.0	1949.5	1835.7	1778.7	1737.3
152.5°	1997.5	2007.0	2045.2	2083.4	2045.2	2007.0	1997.5	1924.5	1827.3	1778.7	1741.3
155°	1952.7	1959.0	1984.3	2009.6	1984.3	1959.0	1952.7	1894.7	1817.4	1778.7	1750.2
157.5°	1914.1	1918.5	1936.3	1954.0	1936.3	1918.5	1914.1	1868.9	1808.7	1778.7	1759.1
160°	1894.7	1897.2	1907.5	1917.7	1907.5	1897.2	1894.7	1856.0	1804.5	1778.7	1763.1
162.5°	1876.6	1879.0	1888.7	1898.4	1888.7	1879.0	1876.6	1843.9	1800.4	1778.7	1767.4
165°	1848.8	1851.3	1861.5	1871.7	1861.5	1851.3	1848.8	1825.4	1794.3	1778.7	1773.6
167.5°	1836.7	1837.8	1842.1	1846.3	1842.1	1837.8	1836.7	1821.4	1801.0	1790.7	1786.4
170°	1836.7	1836.7	1836.7	1836.7	1836.7	1836.7	1836.7	1821.4	1801.0	1790.7	1790.4
172.5°	1827.0	1826.1	1822.3	1818.5	1822.3	1826.1	1827.0	1814.9	1798.8	1790.7	1790.7
175°	1813.7	1813.7	1813.7	1813.7	1813.7	1813.7	1813.7	1806.0	1795.8	1790.7	1793.1
177.5°	1811.3	1810.2	1805.9	1801.7	1805.9	1810.2	1811.3	1805.2	1797.2	1793.1	1795.1
180°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7



TEST NUMBER: P935397
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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5199.7	5199.7	5199.7	5199.7	5199.7
2.5°	5135.7	5160.3	5175.0	5194.7	5243.9
5°	4938.9	5032.4	5061.9	5135.7	5224.2
7.5°	4506.0	4791.3	4870.0	5047.1	5184.8
10°	4087.9	4373.2	4510.9	4929.1	5135.7
12.5°	3876.4	4043.6	4137.0	4722.4	5066.8
15°	3743.5	3861.6	3930.5	4446.9	4988.1
17.5°	3640.2	3723.9	3773.1	4176.4	4879.9
20°	3576.3	3615.6	3659.9	3979.7	4756.9
22.5°	3532.0	3507.4	3541.9	3841.9	4589.7
25°	3502.5	3409.0	3448.4	3733.7	4392.9
27.5°	3527.1	3320.5	3335.2	3635.3	4186.3
30°	3532.0	3212.2	3217.2	3532.0	3955.1
32.5°	3497.6	3099.2	3104.0	3404.1	3694.3
35°	3414.0	2966.3	2961.4	3256.5	3340.1
37.5°	3300.8	2823.7	2823.7	3094.2	2951.6
40°	3163.1	2680.9	2695.8	2882.7	2607.2
42.5°	2995.8	2528.5	2548.2	2602.2	2351.4
45°	2813.8	2380.9	2395.7	2198.9	2154.6
47.5°	2612.1	2228.4	2233.4	1825.0	2090.7
50°	2371.0	2070.9	2051.3	1564.4	2085.8
52.5°	2159.5	1898.9	1839.7	1416.8	1893.9
55°	1952.9	1716.8	1588.9	1303.6	1756.1
57.5°	1770.9	1480.7	1357.7	1170.7	1726.7
60°	1603.7	1249.5	1156.0	1028.1	1584.0
62.5°	1465.9	1077.3	1057.7	929.8	1436.4
65°	1318.3	959.2	954.4	846.1	1220.0
67.5°	1175.7	880.5	875.6	767.4	929.8
70°	1023.2	796.9	787.1	683.7	688.7
72.5°	865.8	703.5	693.6	614.9	570.6
75°	708.3	595.3	590.3	536.1	462.4
77.5°	555.9	472.3	482.1	432.9	339.4
80°	398.5	344.4	354.2	309.9	255.8
82.5°	265.6	226.3	236.1	196.8	172.2
85°	147.6	127.9	132.8	103.3	78.7
87.5°	68.9	59.0	59.0	39.3	24.6
90°	53.2	33.8	31.4	21.8	12.1
92.5°	328.1	233.3	212.8	130.5	48.4
95°	807.3	454.7	417.1	266.6	116.1
97.5°	1087.4	499.4	466.2	333.4	200.7
100°	1189.4	536.8	506.7	386.3	266.0
102.5°	1236.2	574.3	546.2	433.9	321.6
105°	1270.8	629.9	606.2	511.1	416.0
107.5°	1277.2	712.2	690.0	601.4	512.7
110°	1267.5	758.1	738.1	658.0	578.0



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CATALOG NUMBER: SQ4-FA-100U-125D-B35-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1268.0	813.8	794.7	718.4	642.1
115°	1279.7	897.2	879.6	809.2	738.8
117.5°	1303.5	978.2	962.2	898.3	834.3
120°	1322.9	1025.4	1010.4	950.1	889.9
122.5°	1350.7	1081.0	1065.8	1005.1	944.4
125°	1388.1	1152.3	1138.5	1083.1	1027.8
127.5°	1425.6	1221.2	1207.3	1151.4	1095.5
130°	1453.0	1267.2	1252.1	1192.0	1131.8
132.5°	1475.1	1304.7	1289.6	1229.5	1169.3
135°	1499.3	1348.2	1334.5	1279.7	1224.9
137.5°	1535.6	1403.8	1390.2	1336.0	1281.7
140°	1557.8	1441.3	1428.8	1378.9	1328.9
142.5°	1576.3	1469.1	1457.6	1411.3	1365.1
145°	1600.5	1511.4	1501.4	1461.1	1420.7
147.5°	1636.0	1564.6	1554.9	1515.6	1476.4
150°	1654.6	1592.5	1583.5	1548.1	1512.6
152.5°	1666.6	1610.6	1603.9	1577.0	1550.1
155°	1693.2	1650.5	1645.6	1625.6	1605.7
157.5°	1719.9	1690.4	1685.6	1666.2	1646.8
160°	1731.9	1708.5	1704.8	1689.7	1674.6
162.5°	1744.8	1727.8	1725.0	1713.7	1702.4
165°	1763.3	1755.6	1753.1	1742.8	1732.7
167.5°	1777.8	1771.4	1770.2	1765.3	1760.5
170°	1789.9	1789.5	1788.4	1783.5	1778.7
172.5°	1790.7	1790.7	1790.4	1789.4	1788.3
175°	1798.0	1801.7	1801.7	1801.7	1801.7
177.5°	1798.9	1801.7	1801.7	1801.7	1801.7
180°	1801.7	1801.7	1801.7	1801.7	1801.7



TEST NUMBER: P935397
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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	14.79	15.68	15.71	16.63	17.85	17.64	18.53	18.57	19.48	20.70
	3H	15.27	16.07	16.21	17.02	18.27	19.00	19.80	19.93	20.75	21.99
	4H	15.46	16.22	16.41	17.18	18.43	19.45	20.20	20.40	21.16	22.41
	6H	15.58	16.28	16.54	17.24	18.51	19.74	20.44	20.70	21.40	22.66
	8H	15.58	16.25	16.55	17.23	18.49	19.82	20.48	20.79	21.46	22.72
	12H	15.56	16.19	16.53	17.16	18.45	19.86	20.49	20.83	21.47	22.75
4H	2H	15.83	16.59	16.79	17.55	18.80	18.05	18.81	19.01	19.77	21.02
	3H	16.86	17.49	17.83	18.48	19.75	19.57	20.20	20.54	21.19	22.45
	4H	17.14	17.72	18.12	18.70	19.99	20.10	20.68	21.08	21.66	22.95
	6H	17.27	17.76	18.25	18.77	20.06	20.47	20.97	21.46	21.98	23.27
	8H	17.27	17.74	18.26	18.73	20.04	20.59	21.05	21.58	22.05	23.35
	12H	17.24	17.66	18.25	18.67	19.98	20.65	21.07	21.66	22.08	23.39
8H	4H	17.60	18.06	18.59	19.06	20.36	20.23	20.69	21.22	21.69	22.99
	6H	17.86	18.25	18.88	19.29	20.59	20.67	21.06	21.69	22.10	23.40
	8H	17.90	18.24	18.93	19.27	20.59	20.83	21.17	21.85	22.19	23.51
	12H	17.89	18.19	18.92	19.21	20.57	20.93	21.23	21.96	22.25	23.61
12H	4H	17.61	18.03	18.62	19.04	20.35	20.19	20.61	21.20	21.63	22.94
	6H	17.92	18.26	18.95	19.29	20.61	20.67	21.01	21.69	22.03	23.35
	8H	17.99	18.29	19.02	19.31	20.67	20.84	21.13	21.86	22.15	23.52