

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: P936200

Luminaire Tested: SQ4-FA-150U-125D-B35-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936200
REPORT IS A COMBINATION OF REPORTS P933784 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-125D-B35-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

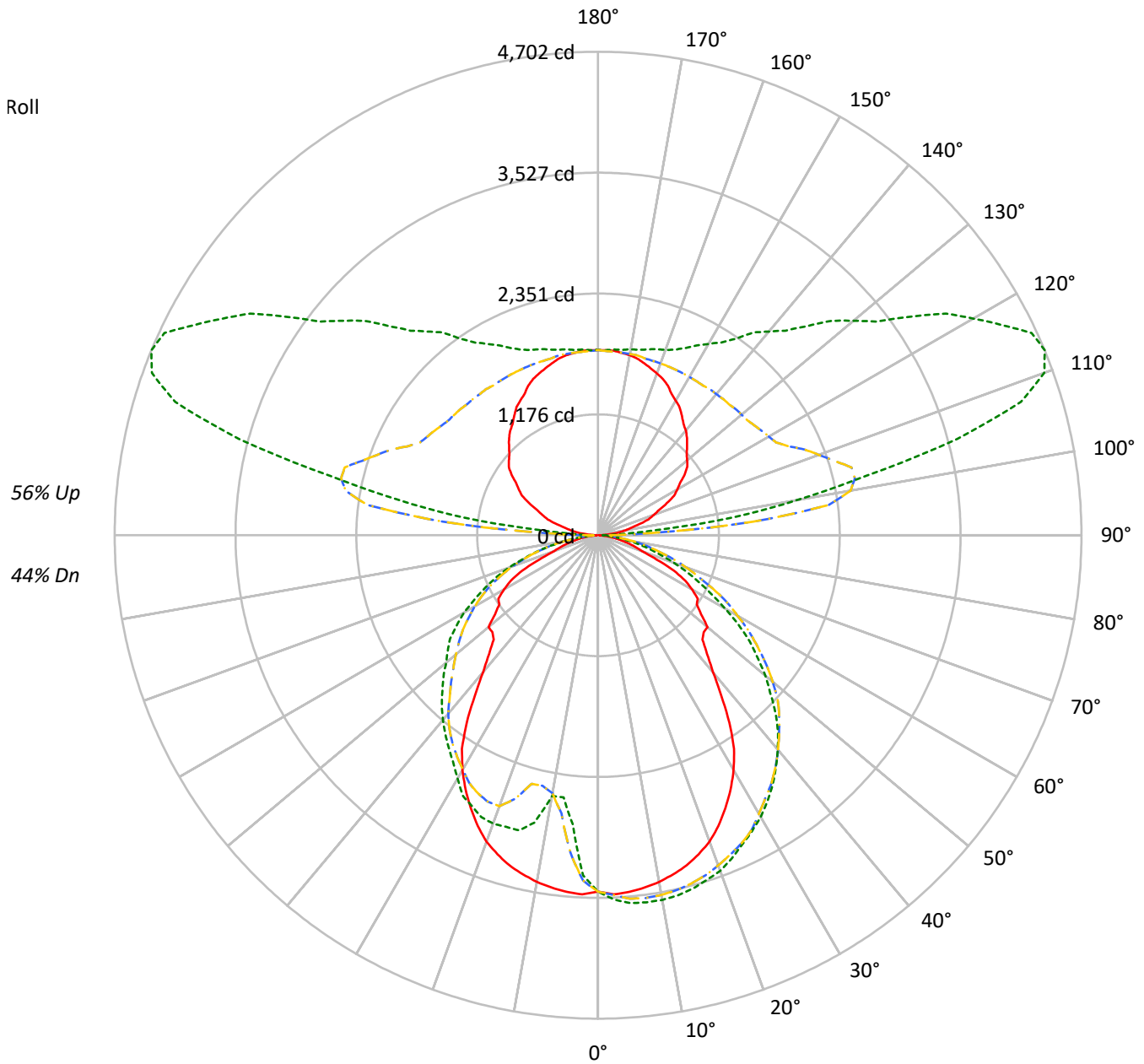
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20669.7 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 166.4
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

TEST NUMBER: P936200
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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		0
RCR																			
0	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50		44
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42		37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36		31
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30		26
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26		22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23		19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20		17
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18		15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16		13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14		12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13		11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16082	16082	16082	16082
5°	16202	16234	16202	12765
10°	16094	15991	16094	11433
15°	15919	15645	15919	13064
20°	15586	15234	15586	13091
25°	14905	14636	14905	12814
30°	14024	14139	14024	12205
35°	12502	13510	12502	11535
40°	10418	12770	10418	11030
45°	9308	11904	9308	10448
50°	9889	10871	9889	9865
55°	9304	9758	9304	9527
60°	9590	8288	9590	8726
65°	8696	6851	8696	7658
70°	6021	5459	6021	6419
75°	5279	4035	5279	4832
80°	4254	2669	4254	2905
85°	2441	1413	2441	1201

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14266 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.9	1.5
10°-20°	888.4	4.3
20°-30°	1373.3	6.6
30°-40°	1639.4	7.9
40°-50°	1649.0	8.0
50°-60°	1434.9	6.9
60°-70°	1017.3	4.9
70°-80°	538.2	2.6
80°-90°	140.9	0.7
90°-100°	877.9	4.2
100°-110°	2308.1	11.2
110°-120°	2393.2	11.6
120°-130°	1919.7	9.3
130°-140°	1506.3	7.3
140°-150°	1156.1	5.6
150°-160°	832.6	4.0
160°-170°	509.4	2.5
170°-180°	172.1	0.8
0°-30°	2574.6	12.5
0°-40°	4214.0	20.4
0°-60°	7297.9	35.3
0°-90°	8994.3	43.5
90°-120°	5579.2	27.0
90°-150°	10161.3	49.2
90°-180°	11675.0	56.5
0°-180°	20669.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3466	3466	3466	3466	3466	
5°	3483	3591	3483	2824	3483	330
15°	3325	3558	3325	2971	3325	936
25°	2928	3319	2928	2906	2928	1345
35°	2227	2961	2227	2528	2227	1378
45°	1436	2440	1436	2141	1436	1151
55°	1171	1800	1171	1758	1171	1076
65°	813	1086	813	1213	813	777
75°	308	515	308	616	308	324
85°	52	131	52	112	52	71
90°	12	46	12	46	12	12
95°	116	531	116	531	116	129
105°	416	3614	416	3614	416	441
115°	739	4654	739	4654	739	729
125°	1027	3706	1027	3706	1027	912
135°	1224	2876	1224	2876	1224	947
145°	1420	2333	1420	2333	1420	890
155°	1605	2009	1605	2009	1605	738
165°	1732	1871	1732	1871	1732	489
175°	1801	1813	1801	1813	1801	171
180°	1801	1801	1801	1801	1801	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3
2.5°	3495.8	3495.8	3515.4	3522.0	3522.0	3512.2	3502.4	3512.2	3541.7	3551.6	3548.3
5°	3482.7	3508.9	3545.0	3551.6	3558.1	3554.9	3548.3	3554.9	3587.6	3594.2	3597.5
7.5°	3456.4	3505.6	3551.6	3561.4	3571.2	3561.4	3558.1	3564.7	3597.5	3604.0	3604.0
10°	3423.7	3492.6	3545.0	3551.6	3561.4	3551.6	3551.6	3564.7	3597.5	3604.0	3607.3
12.5°	3377.7	3472.8	3522.0	3528.6	3541.7	3538.4	3535.2	3548.3	3581.0	3587.6	3587.6
15°	3325.3	3436.8	3482.7	3489.3	3512.2	3505.6	3505.6	3518.7	3554.9	3564.7	3561.4
17.5°	3253.1	3390.8	3443.3	3453.1	3469.6	3466.3	3469.6	3482.7	3515.4	3522.0	3525.3
20°	3171.1	3328.5	3390.8	3400.7	3417.1	3417.1	3417.1	3433.5	3466.3	3479.4	3479.4
22.5°	3059.6	3263.0	3328.5	3335.1	3354.8	3354.8	3361.4	3384.3	3413.8	3417.1	3417.1
25°	2928.5	3190.8	3246.5	3266.2	3285.9	3295.8	3305.6	3318.7	3328.5	3325.3	3328.5
27.5°	2790.7	3099.0	3171.1	3184.2	3210.5	3220.4	3233.5	3236.8	3240.0	3249.8	3243.2
30°	2636.6	2971.1	3079.3	3092.5	3135.1	3141.6	3128.5	3135.1	3151.5	3158.1	3164.6
32.5°	2462.8	2780.9	2984.2	3013.8	3053.1	3033.5	3030.2	3039.9	3066.2	3066.2	3072.8
35°	2226.7	2633.4	2895.7	2921.9	2951.4	2928.5	2941.6	2944.9	2961.3	2971.1	2967.9
37.5°	1967.7	2505.4	2803.9	2823.6	2846.5	2817.0	2836.7	2846.5	2859.6	2853.0	2853.0
40°	1738.1	2305.3	2695.7	2708.7	2728.4	2705.4	2725.1	2731.7	2738.3	2731.7	2728.4
42.5°	1567.6	2085.7	2580.8	2597.2	2584.1	2600.5	2607.1	2620.2	2610.4	2597.2	2597.2
45°	1436.3	2026.7	2456.2	2475.9	2456.2	2482.5	2492.4	2492.4	2462.8	2456.2	2452.9
47.5°	1393.7	1908.5	2331.6	2331.6	2321.8	2354.6	2370.9	2348.0	2318.5	2308.6	2308.6
50°	1390.4	1777.4	2161.1	2148.0	2193.9	2233.3	2216.9	2193.9	2170.9	2134.9	2134.9
52.5°	1262.5	1616.7	1941.4	1990.6	2062.7	2085.7	2059.4	2036.5	1997.1	1980.7	1967.7
55°	1170.7	1449.5	1741.4	1839.7	1915.1	1944.7	1895.5	1872.5	1813.5	1803.7	1797.1
57.5°	1151.1	1206.8	1557.7	1682.3	1774.1	1770.8	1741.4	1698.8	1649.5	1639.6	1636.4
60°	1055.9	872.3	1361.0	1508.5	1603.6	1593.8	1567.6	1528.2	1482.3	1475.7	1469.2
62.5°	957.6	633.0	1137.9	1305.1	1439.6	1436.3	1413.4	1354.4	1321.6	1305.1	1292.1
65°	813.3	531.3	810.0	1085.5	1279.0	1285.5	1236.3	1193.7	1157.6	1137.9	1134.7
67.5°	619.8	432.9	547.7	905.1	1124.8	1118.2	1055.9	1036.2	990.4	980.5	960.9
70°	459.1	288.6	380.4	734.6	973.9	957.6	908.3	885.5	842.8	819.9	806.7
72.5°	380.4	232.9	278.8	570.6	819.9	800.2	757.6	731.3	695.3	675.6	662.4
75°	308.2	245.9	213.2	423.1	665.7	652.6	613.3	587.0	557.5	531.3	534.5
77.5°	226.3	229.6	170.5	311.5	528.0	508.3	485.4	452.5	439.4	413.2	413.2
80°	170.5	180.3	127.9	213.2	380.4	380.4	360.8	337.8	314.8	301.7	301.7
82.5°	114.7	114.7	95.1	134.5	259.1	249.2	236.1	229.6	216.5	209.9	209.9
85°	52.4	65.6	59.0	82.0	141.0	147.6	147.6	141.0	137.7	131.2	134.5
87.5°	16.4	29.6	36.0	45.9	72.2	75.4	78.7	78.7	78.7	82.0	82.0
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	328.0	454.3	517.3	453.4	325.6	229.7	220.5
95°	116.1	266.5	416.9	454.5	807.0	1277.0	1512.1	1349.3	1023.8	779.7	751.9
97.5°	200.7	333.3	466.1	499.2	1087.1	1870.9	2262.8	2159.9	1954.2	1799.8	1747.2
100°	265.9	386.2	506.6	536.7	1189.1	2058.7	2493.6	2501.2	2516.2	2527.4	2464.7
102.5°	321.5	433.8	546.0	574.1	1235.8	2117.8	2558.9	2690.0	2952.2	3148.8	3095.1
105°	415.8	510.9	606.0	629.8	1270.4	2124.5	2551.7	2845.6	3433.3	3874.1	3845.2
107.5°	512.5	601.2	689.7	711.9	1276.9	2030.1	2406.6	2816.5	3636.4	4251.2	4258.2
110°	577.8	657.9	737.9	757.9	1267.2	1946.2	2285.8	2744.0	3660.5	4347.9	4377.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	641.9	718.1	794.4	813.5	1267.5	1873.0	2175.7	2644.7	3582.7	4286.2	4332.4
115°	738.6	808.9	879.3	896.9	1279.3	1789.1	2044.0	2495.8	3399.3	4077.1	4141.1
117.5°	834.0	898.0	961.9	977.9	1303.0	1736.5	1953.3	2361.1	3176.6	3788.2	3859.2
120°	889.6	949.8	1010.0	1025.0	1322.4	1718.8	1917.1	2289.7	3034.8	3593.6	3662.6
122.5°	944.0	1004.8	1065.4	1080.6	1350.2	1709.6	1889.3	2224.7	2895.8	3399.0	3467.1
125°	1027.4	1082.8	1138.1	1151.9	1387.6	1701.9	1859.0	2144.0	2714.0	3141.5	3204.2
127.5°	1095.2	1151.0	1206.9	1220.8	1425.1	1697.5	1833.6	2078.3	2567.8	2934.8	2987.7
130°	1131.4	1191.6	1251.8	1266.8	1452.5	1700.1	1823.9	2041.8	2477.5	2804.3	2853.2
132.5°	1168.9	1229.1	1289.3	1304.3	1474.7	1702.0	1815.5	2010.5	2400.5	2693.0	2736.8
135°	1224.4	1279.3	1334.1	1347.8	1498.8	1700.3	1801.0	1964.4	2291.0	2536.0	2573.7
137.5°	1281.3	1335.6	1389.7	1403.3	1535.1	1710.8	1798.7	1936.7	2212.8	2419.9	2450.8
140°	1328.4	1378.4	1428.3	1440.8	1557.3	1712.5	1790.1	1909.4	2148.0	2326.9	2355.7
142.5°	1364.6	1410.9	1457.1	1468.6	1575.8	1718.7	1790.1	1894.9	2104.4	2261.5	2286.4
145°	1420.3	1460.6	1500.9	1511.0	1600.0	1718.7	1778.0	1863.7	2035.1	2163.7	2182.5
147.5°	1475.9	1515.1	1554.4	1564.2	1635.5	1730.5	1778.0	1845.5	1980.2	2081.4	2097.0
150°	1512.1	1547.6	1583.1	1591.9	1653.9	1736.6	1778.0	1835.0	1948.9	2034.3	2046.9
152.5°	1549.6	1576.5	1603.4	1610.1	1666.1	1740.7	1778.0	1826.7	1923.9	1996.8	2006.3
155°	1605.2	1625.1	1645.0	1649.9	1692.6	1749.5	1778.0	1816.7	1894.1	1952.1	1958.4
157.5°	1646.3	1665.7	1685.0	1689.8	1719.2	1758.4	1778.0	1808.2	1868.3	1913.5	1917.9
160°	1674.1	1689.2	1704.2	1708.0	1731.3	1762.4	1778.0	1803.8	1855.4	1894.1	1896.6
162.5°	1702.0	1713.2	1724.5	1727.3	1744.2	1766.8	1778.0	1799.8	1843.3	1876.0	1878.4
165°	1732.1	1742.3	1752.5	1755.1	1762.7	1772.9	1778.0	1793.6	1824.8	1848.2	1850.7
167.5°	1759.9	1764.7	1769.6	1770.8	1777.2	1785.9	1790.1	1800.3	1820.8	1836.1	1837.1
170°	1778.0	1782.9	1787.7	1789.0	1789.4	1789.8	1790.1	1800.3	1820.8	1836.1	1836.1
172.5°	1787.7	1788.8	1789.8	1790.1	1790.1	1790.1	1790.1	1798.2	1814.3	1826.4	1825.4
175°	1801.0	1801.0	1801.0	1801.0	1797.4	1792.6	1790.1	1795.3	1805.4	1813.1	1813.1
177.5°	1801.0	1801.0	1801.0	1801.0	1798.2	1794.4	1792.6	1796.6	1804.7	1810.7	1809.6
180°	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3
2.5°	3554.9	3545.0	3554.9	3548.3	3551.6	3541.7	3512.2	3502.4	3512.2	3522.0	3522.0
5°	3597.5	3590.9	3597.5	3597.5	3594.2	3587.6	3554.9	3548.3	3554.9	3558.1	3551.6
7.5°	3610.6	3600.7	3610.6	3604.0	3604.0	3597.5	3564.7	3558.1	3561.4	3571.2	3561.4
10°	3610.6	3600.7	3610.6	3607.3	3604.0	3597.5	3564.7	3551.6	3551.6	3561.4	3551.6
12.5°	3594.2	3587.6	3594.2	3587.6	3587.6	3581.0	3548.3	3535.2	3538.4	3541.7	3528.6
15°	3568.0	3558.1	3568.0	3561.4	3564.7	3554.9	3518.7	3505.6	3505.6	3512.2	3489.3
17.5°	3528.6	3515.4	3528.6	3525.3	3522.0	3515.4	3482.7	3469.6	3466.3	3469.6	3453.1
20°	3482.7	3472.8	3482.7	3479.4	3479.4	3466.3	3433.5	3417.1	3417.1	3417.1	3400.7
22.5°	3410.5	3400.7	3410.5	3417.1	3417.1	3413.8	3384.3	3361.4	3354.8	3354.8	3335.1
25°	3328.5	3318.7	3328.5	3328.5	3325.3	3328.5	3318.7	3305.6	3295.8	3285.9	3266.2
27.5°	3249.8	3243.2	3249.8	3243.2	3249.8	3240.0	3236.8	3233.5	3220.4	3210.5	3184.2
30°	3171.1	3164.6	3171.1	3164.6	3158.1	3151.5	3135.1	3128.5	3141.6	3135.1	3092.5
32.5°	3072.8	3066.2	3072.8	3072.8	3066.2	3066.2	3039.9	3030.2	3033.5	3053.1	3013.8
35°	2971.1	2961.3	2971.1	2967.9	2971.1	2961.3	2944.9	2941.6	2928.5	2951.4	2921.9
37.5°	2853.0	2843.2	2853.0	2853.0	2853.0	2859.6	2846.5	2836.7	2817.0	2846.5	2823.6
40°	2731.7	2718.6	2731.7	2728.4	2731.7	2738.3	2731.7	2725.1	2705.4	2728.4	2708.7
42.5°	2594.0	2590.7	2594.0	2597.2	2597.2	2610.4	2620.2	2607.1	2600.5	2584.1	2597.2
45°	2446.4	2439.8	2446.4	2452.9	2456.2	2462.8	2492.4	2492.4	2482.5	2456.2	2475.9
47.5°	2289.0	2272.6	2289.0	2308.6	2308.6	2318.5	2348.0	2370.9	2354.6	2321.8	2331.6
50°	2121.7	2125.0	2121.7	2134.9	2134.9	2170.9	2193.9	2216.9	2233.3	2193.9	2148.0
52.5°	1957.8	1954.5	1957.8	1967.7	1980.7	1997.1	2036.5	2059.4	2085.7	2062.7	1990.6
55°	1793.8	1800.4	1793.8	1797.1	1803.7	1813.5	1872.5	1895.5	1944.7	1915.1	1839.7
57.5°	1629.9	1620.0	1629.9	1636.4	1639.6	1649.5	1698.8	1741.4	1770.8	1774.1	1682.3
60°	1439.6	1426.6	1439.6	1469.2	1475.7	1482.3	1528.2	1567.6	1593.8	1603.6	1508.5
62.5°	1272.4	1249.4	1272.4	1292.1	1305.1	1321.6	1354.4	1413.4	1436.3	1439.6	1305.1
65°	1095.3	1085.5	1095.3	1134.7	1137.9	1157.6	1193.7	1236.3	1285.5	1279.0	1085.5
67.5°	934.6	934.6	934.6	960.9	980.5	990.4	1036.2	1055.9	1118.2	1124.8	905.1
70°	787.0	783.7	787.0	806.7	819.9	842.8	885.5	908.3	957.6	973.9	734.6
72.5°	646.0	642.7	646.0	662.4	675.6	695.3	731.3	757.6	800.2	819.9	570.6
75°	521.4	514.8	521.4	534.5	531.3	557.5	587.0	613.3	652.6	665.7	423.1
77.5°	400.1	400.1	400.1	413.2	413.2	439.4	452.5	485.4	508.3	528.0	311.5
80°	298.5	295.2	298.5	301.7	301.7	314.8	337.8	360.8	380.4	380.4	213.2
82.5°	209.9	203.3	209.9	209.9	209.9	216.5	229.6	236.1	249.2	259.1	134.5
85°	131.2	131.2	131.2	134.5	131.2	137.7	141.0	147.6	147.6	141.0	82.0
87.5°	85.3	82.0	85.3	82.0	82.0	78.7	78.7	78.7	75.4	72.2	45.9
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	220.5	229.7	325.6	453.4	517.3	454.3	328.0	233.3
95°	641.3	530.6	641.3	751.9	779.7	1023.8	1349.3	1512.1	1277.0	807.0	454.5
97.5°	1536.5	1326.0	1536.5	1747.2	1799.8	1954.2	2159.9	2262.8	1870.9	1087.1	499.2
100°	2213.9	1963.0	2213.9	2464.7	2527.4	2516.2	2501.2	2493.6	2058.7	1189.1	536.7
102.5°	2880.2	2665.3	2880.2	3095.1	3148.8	2952.2	2690.0	2558.9	2117.8	1235.8	574.1
105°	3729.7	3614.2	3729.7	3845.2	3874.1	3433.3	2845.6	2551.7	2124.5	1270.4	629.8
107.5°	4286.1	4314.0	4286.1	4258.2	4251.2	3636.4	2816.5	2406.6	2030.1	1276.9	711.9
110°	4498.3	4618.6	4498.3	4377.9	4347.9	3660.5	2744.0	2285.8	1946.2	1267.2	757.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4517.2	4702.0	4517.2	4332.4	4286.2	3582.7	2644.7	2175.7	1873.0	1267.5	813.5
115°	4397.4	4653.6	4397.4	4141.1	4077.1	3399.3	2495.8	2044.0	1789.1	1279.3	896.9
117.5°	4143.4	4427.7	4143.4	3859.2	3788.2	3176.6	2361.1	1953.3	1736.5	1303.0	977.9
120°	3938.8	4214.9	3938.8	3662.6	3593.6	3034.8	2289.7	1917.1	1718.8	1322.4	1025.0
122.5°	3739.5	4011.9	3739.5	3467.1	3399.0	2895.8	2224.7	1889.3	1709.6	1350.2	1080.6
125°	3455.2	3706.0	3455.2	3204.2	3141.5	2714.0	2144.0	1859.0	1701.9	1387.6	1151.9
127.5°	3199.4	3411.1	3199.4	2987.7	2934.8	2567.8	2078.3	1833.6	1697.5	1425.1	1220.8
130°	3048.8	3244.3	3048.8	2853.2	2804.3	2477.5	2041.8	1823.9	1700.1	1452.5	1266.8
132.5°	2911.9	3087.1	2911.9	2736.8	2693.0	2400.5	2010.5	1815.5	1702.0	1474.7	1304.3
135°	2724.6	2875.6	2724.6	2573.7	2536.0	2291.0	1964.4	1801.0	1700.3	1498.8	1347.8
137.5°	2574.3	2697.9	2574.3	2450.8	2419.9	2212.8	1936.7	1798.7	1710.8	1535.1	1403.3
140°	2471.2	2586.7	2471.2	2355.7	2326.9	2148.0	1909.4	1790.1	1712.5	1557.3	1440.8
142.5°	2385.8	2485.2	2385.8	2286.4	2261.5	2104.4	1894.9	1790.1	1718.7	1575.8	1468.6
145°	2257.7	2332.9	2257.7	2182.5	2163.7	2035.1	1863.7	1778.0	1718.7	1600.0	1511.0
147.5°	2159.3	2221.6	2159.3	2097.0	2081.4	1980.2	1845.5	1778.0	1730.5	1635.5	1564.2
150°	2097.5	2148.0	2097.5	2046.9	2034.3	1948.9	1835.0	1778.0	1736.6	1653.9	1591.9
152.5°	2044.5	2082.7	2044.5	2006.3	1996.8	1923.9	1826.7	1778.0	1740.7	1666.1	1610.1
155°	1983.7	2008.9	1983.7	1958.4	1952.1	1894.1	1816.7	1778.0	1749.5	1692.6	1649.9
157.5°	1935.6	1953.3	1935.6	1917.9	1913.5	1868.3	1808.2	1778.0	1758.4	1719.2	1689.8
160°	1906.9	1917.1	1906.9	1896.6	1894.1	1855.4	1803.8	1778.0	1762.4	1731.3	1708.0
162.5°	1888.0	1897.7	1888.0	1878.4	1876.0	1843.3	1799.8	1778.0	1766.8	1744.2	1727.3
165°	1861.0	1871.1	1861.0	1850.7	1848.2	1824.8	1793.6	1778.0	1772.9	1762.7	1755.1
167.5°	1841.5	1845.8	1841.5	1837.1	1836.1	1820.8	1800.3	1790.1	1785.9	1777.2	1770.8
170°	1836.1	1836.1	1836.1	1836.1	1836.1	1820.8	1800.3	1790.1	1789.8	1789.4	1789.0
172.5°	1821.7	1817.9	1821.7	1825.4	1826.4	1814.3	1798.2	1790.1	1790.1	1790.1	1790.1
175°	1813.1	1813.1	1813.1	1813.1	1813.1	1805.4	1795.3	1790.1	1792.6	1797.4	1801.0
177.5°	1805.2	1801.0	1805.2	1809.6	1810.7	1804.7	1796.6	1792.6	1794.4	1798.2	1801.0
180°	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3
2.5°	3515.4	3495.8	3495.8	3463.0	3449.9	3440.0	3423.7	3374.4	3361.4	3348.2	3368.0
5°	3545.0	3508.9	3482.7	3423.7	3374.4	3354.8	3292.5	3174.4	3095.8	3036.7	3003.9
7.5°	3551.6	3505.6	3456.4	3364.7	3246.5	3194.1	3003.9	2787.4	2728.4	2676.0	2643.1
10°	3545.0	3492.6	3423.7	3285.9	3007.2	2915.3	2725.1	2584.1	2548.1	2538.2	2548.1
12.5°	3522.0	3472.8	3377.7	3148.2	2758.0	2695.7	2584.1	2502.2	2495.6	2512.0	2600.5
15°	3482.7	3436.8	3325.3	2964.6	2620.2	2574.3	2495.6	2466.1	2502.2	2617.0	2882.6
17.5°	3443.3	3390.8	3253.1	2784.2	2515.2	2482.5	2426.8	2485.8	2689.1	2843.2	2931.7
20°	3390.8	3328.5	3171.1	2653.0	2439.8	2410.3	2384.1	2649.7	2803.9	2859.6	2908.8
22.5°	3328.5	3263.0	3059.6	2561.2	2361.2	2338.2	2354.6	2741.6	2803.9	2843.2	2885.9
25°	3246.5	3190.8	2928.5	2489.1	2298.9	2272.6	2334.9	2731.7	2767.8	2777.6	2862.9
27.5°	3171.1	3099.0	2790.7	2423.5	2223.4	2213.6	2351.3	2689.1	2715.3	2725.1	2817.0
30°	3079.3	2971.1	2636.6	2354.6	2144.7	2141.4	2354.6	2636.6	2630.1	2656.3	2748.1
32.5°	2984.2	2780.9	2462.8	2269.3	2069.3	2066.0	2331.6	2557.9	2551.4	2587.4	2656.3
35°	2895.7	2633.4	2226.7	2170.9	1974.1	1977.4	2275.9	2466.1	2469.4	2502.2	2544.8
37.5°	2803.9	2505.4	1967.7	2062.7	1882.4	1882.4	2200.4	2380.8	2374.2	2384.1	2443.1
40°	2695.7	2305.3	1738.1	1921.7	1797.1	1787.2	2108.6	2289.0	2266.0	2262.8	2344.8
42.5°	2580.8	2085.7	1567.6	1734.8	1698.8	1685.6	1997.1	2177.5	2134.9	2144.7	2249.6
45°	2456.2	2026.7	1436.3	1465.9	1597.0	1587.2	1875.8	2049.6	2020.1	2046.3	2154.6
47.5°	2331.6	1908.5	1393.7	1216.7	1488.9	1485.6	1741.4	1925.0	1908.5	1934.8	2049.6
50°	2161.1	1777.4	1390.4	1042.8	1367.5	1380.6	1580.6	1803.7	1803.7	1826.6	1948.0
52.5°	1941.4	1616.7	1262.5	944.5	1226.5	1265.8	1439.6	1698.8	1705.2	1728.2	1836.4
55°	1741.4	1449.5	1170.7	869.0	1059.2	1144.5	1301.9	1590.5	1603.6	1626.6	1724.9
57.5°	1557.7	1206.8	1151.1	780.5	905.1	987.1	1180.5	1485.6	1492.1	1511.8	1606.9
60°	1361.0	872.3	1055.9	685.4	770.6	833.0	1069.1	1361.0	1383.9	1397.0	1479.0
62.5°	1137.9	633.0	957.6	619.8	705.0	718.2	977.2	1242.8	1272.4	1282.3	1331.4
65°	810.0	531.3	813.3	564.1	636.1	639.4	878.9	1121.5	1147.8	1164.2	1200.2
67.5°	547.7	432.9	619.8	511.5	583.7	587.0	783.7	980.5	1016.6	1029.8	1052.7
70°	380.4	288.6	459.1	455.8	524.7	531.3	682.1	852.6	885.5	895.3	908.3
72.5°	278.8	232.9	380.4	409.9	462.4	469.0	577.1	708.3	741.1	751.0	757.6
75°	213.2	245.9	308.2	357.5	393.5	396.8	472.2	577.1	600.1	606.7	610.0
77.5°	170.5	229.6	226.3	288.6	321.4	314.8	370.5	446.0	465.7	465.7	465.7
80°	127.9	180.3	170.5	206.6	236.1	229.6	265.6	318.1	324.6	331.2	327.9
82.5°	95.1	114.7	114.7	131.2	157.4	150.9	177.1	206.6	206.6	206.6	213.2
85°	59.0	65.6	52.4	68.9	88.6	85.3	98.4	111.5	114.7	114.7	108.2
87.5°	36.0	29.6	16.4	26.3	39.3	39.3	45.9	49.2	45.9	45.9	45.9
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	328.0	454.3	517.3	453.4	325.6
95°	416.9	266.5	116.1	266.5	416.9	454.5	807.0	1277.0	1512.1	1349.3	1023.8
97.5°	466.1	333.3	200.7	333.3	466.1	499.2	1087.1	1870.9	2262.8	2159.9	1954.2
100°	506.6	386.2	265.9	386.2	506.6	536.7	1189.1	2058.7	2493.6	2501.2	2516.2
102.5°	546.0	433.8	321.5	433.8	546.0	574.1	1235.8	2117.8	2558.9	2690.0	2952.2
105°	606.0	510.9	415.8	510.9	606.0	629.8	1270.4	2124.5	2551.7	2845.6	3433.3
107.5°	689.7	601.2	512.5	601.2	689.7	711.9	1276.9	2030.1	2406.6	2816.5	3636.4
110°	737.9	657.9	577.8	657.9	737.9	757.9	1267.2	1946.2	2285.8	2744.0	3660.5



TEST NUMBER: P936200

CATALOG NUMBER: SQ4-FA-150U-125D-B35-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	794.4	718.1	641.9	718.1	794.4	813.5	1267.5	1873.0	2175.7	2644.7	3582.7
115°	879.3	808.9	738.6	808.9	879.3	896.9	1279.3	1789.1	2044.0	2495.8	3399.3
117.5°	961.9	898.0	834.0	898.0	961.9	977.9	1303.0	1736.5	1953.3	2361.1	3176.6
120°	1010.0	949.8	889.6	949.8	1010.0	1025.0	1322.4	1718.8	1917.1	2289.7	3034.8
122.5°	1065.4	1004.8	944.0	1004.8	1065.4	1080.6	1350.2	1709.6	1889.3	2224.7	2895.8
125°	1138.1	1082.8	1027.4	1082.8	1138.1	1151.9	1387.6	1701.9	1859.0	2144.0	2714.0
127.5°	1206.9	1151.0	1095.2	1151.0	1206.9	1220.8	1425.1	1697.5	1833.6	2078.3	2567.8
130°	1251.8	1191.6	1131.4	1191.6	1251.8	1266.8	1452.5	1700.1	1823.9	2041.8	2477.5
132.5°	1289.3	1229.1	1168.9	1229.1	1289.3	1304.3	1474.7	1702.0	1815.5	2010.5	2400.5
135°	1334.1	1279.3	1224.4	1279.3	1334.1	1347.8	1498.8	1700.3	1801.0	1964.4	2291.0
137.5°	1389.7	1335.6	1281.3	1335.6	1389.7	1403.3	1535.1	1710.8	1798.7	1936.7	2212.8
140°	1428.3	1378.4	1328.4	1378.4	1428.3	1440.8	1557.3	1712.5	1790.1	1909.4	2148.0
142.5°	1457.1	1410.9	1364.6	1410.9	1457.1	1468.6	1575.8	1718.7	1790.1	1894.9	2104.4
145°	1500.9	1460.6	1420.3	1460.6	1500.9	1511.0	1600.0	1718.7	1778.0	1863.7	2035.1
147.5°	1554.4	1515.1	1475.9	1515.1	1554.4	1564.2	1635.5	1730.5	1778.0	1845.5	1980.2
150°	1583.1	1547.6	1512.1	1547.6	1583.1	1591.9	1653.9	1736.6	1778.0	1835.0	1948.9
152.5°	1603.4	1576.5	1549.6	1576.5	1603.4	1610.1	1666.1	1740.7	1778.0	1826.7	1923.9
155°	1645.0	1625.1	1605.2	1625.1	1645.0	1649.9	1692.6	1749.5	1778.0	1816.7	1894.1
157.5°	1685.0	1665.7	1646.3	1665.7	1685.0	1689.8	1719.2	1758.4	1778.0	1808.2	1868.3
160°	1704.2	1689.2	1674.1	1689.2	1704.2	1708.0	1731.3	1762.4	1778.0	1803.8	1855.4
162.5°	1724.5	1713.2	1702.0	1713.2	1724.5	1727.3	1744.2	1766.8	1778.0	1799.8	1843.3
165°	1752.5	1742.3	1732.1	1742.3	1752.5	1755.1	1762.7	1772.9	1778.0	1793.6	1824.8
167.5°	1769.6	1764.7	1759.9	1764.7	1769.6	1770.8	1777.2	1785.9	1790.1	1800.3	1820.8
170°	1787.7	1782.9	1778.0	1782.9	1787.7	1789.0	1789.4	1789.8	1790.1	1800.3	1820.8
172.5°	1789.8	1788.8	1787.7	1788.8	1789.8	1790.1	1790.1	1790.1	1790.1	1798.2	1814.3
175°	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1797.4	1792.6	1790.1	1795.3	1805.4
177.5°	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1798.2	1794.4	1792.6	1796.6	1804.7
180°	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0



TEST NUMBER: P936200

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3
2.5°	3345.0	3335.1	3348.2	3312.1	3348.2	3335.1	3345.0	3368.0	3348.2	3361.4	3374.4
5°	2935.0	2918.6	2866.2	2823.6	2866.2	2918.6	2935.0	3003.9	3036.7	3095.8	3174.4
7.5°	2623.5	2610.4	2597.2	2571.0	2597.2	2610.4	2623.5	2643.1	2676.0	2728.4	2787.4
10°	2554.7	2557.9	2577.5	2574.3	2577.5	2557.9	2554.7	2548.1	2538.2	2548.1	2584.1
12.5°	2731.7	2761.3	2869.4	2862.9	2869.4	2761.3	2731.7	2600.5	2512.0	2495.6	2502.2
15°	2935.0	2944.9	2967.9	2971.1	2967.9	2944.9	2935.0	2882.6	2617.0	2502.2	2466.1
17.5°	2954.7	2958.0	2974.3	2974.3	2974.3	2958.0	2954.7	2931.7	2843.2	2689.1	2485.8
20°	2938.3	2944.9	2977.6	2984.2	2977.6	2944.9	2938.3	2908.8	2859.6	2803.9	2649.7
22.5°	2931.7	2944.9	2971.1	2967.9	2971.1	2944.9	2931.7	2885.9	2843.2	2803.9	2741.6
25°	2899.0	2899.0	2902.3	2905.5	2902.3	2899.0	2899.0	2862.9	2777.6	2767.8	2731.7
27.5°	2830.1	2836.7	2856.3	2853.0	2856.3	2836.7	2830.1	2817.0	2725.1	2715.3	2689.1
30°	2767.8	2761.3	2744.8	2731.7	2744.8	2761.3	2767.8	2748.1	2656.3	2630.1	2636.6
32.5°	2662.8	2646.4	2630.1	2620.2	2630.1	2646.4	2662.8	2656.3	2587.4	2551.4	2557.9
35°	2538.2	2541.5	2538.2	2528.4	2538.2	2541.5	2538.2	2544.8	2502.2	2469.4	2466.1
37.5°	2449.7	2456.2	2452.9	2439.8	2452.9	2456.2	2449.7	2443.1	2384.1	2374.2	2380.8
40°	2357.9	2361.2	2357.9	2348.0	2357.9	2361.2	2357.9	2344.8	2262.8	2266.0	2289.0
42.5°	2269.3	2266.0	2256.2	2249.6	2256.2	2266.0	2269.3	2249.6	2144.7	2134.9	2177.5
45°	2167.7	2170.9	2151.3	2141.4	2151.3	2170.9	2167.7	2154.6	2046.3	2020.1	2049.6
47.5°	2066.0	2066.0	2049.6	2039.7	2049.6	2066.0	2066.0	2049.6	1934.8	1908.5	1925.0
50°	1957.8	1954.5	1931.5	1928.3	1931.5	1954.5	1957.8	1948.0	1826.6	1803.7	1803.7
52.5°	1833.2	1833.2	1836.4	1843.0	1836.4	1833.2	1833.2	1836.4	1728.2	1705.2	1698.8
55°	1724.9	1728.2	1751.2	1757.8	1751.2	1728.2	1724.9	1724.9	1626.6	1603.6	1590.5
57.5°	1613.5	1613.5	1629.9	1629.9	1629.9	1613.5	1613.5	1606.9	1511.8	1492.1	1485.6
60°	1485.6	1492.1	1505.2	1502.0	1505.2	1492.1	1485.6	1479.0	1397.0	1383.9	1361.0
62.5°	1351.1	1357.7	1361.0	1354.4	1361.0	1357.7	1351.1	1331.4	1282.3	1272.4	1242.8
65°	1210.1	1216.7	1220.0	1213.4	1220.0	1216.7	1210.1	1200.2	1164.2	1147.8	1121.5
67.5°	1065.8	1062.5	1059.2	1072.4	1059.2	1062.5	1065.8	1052.7	1029.8	1016.6	980.5
70°	918.2	918.2	914.9	921.5	914.9	918.2	918.2	908.3	895.3	885.5	852.6
72.5°	760.9	757.6	770.6	760.9	770.6	757.6	760.9	757.6	751.0	741.1	708.3
75°	606.7	613.3	606.7	616.5	606.7	613.3	606.7	610.0	606.7	600.1	577.1
77.5°	462.4	469.0	462.4	462.4	462.4	469.0	462.4	465.7	465.7	465.7	446.0
80°	327.9	324.6	324.6	321.4	324.6	324.6	327.9	327.9	331.2	324.6	318.1
82.5°	209.9	206.6	206.6	213.2	206.6	206.6	209.9	213.2	206.6	206.6	206.6
85°	114.7	118.0	111.5	111.5	111.5	118.0	114.7	108.2	114.7	114.7	111.5
87.5°	42.6	39.3	39.3	39.3	39.3	39.3	42.6	45.9	45.9	45.9	49.2
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	220.5	184.0	147.5	184.0	220.5	229.7	325.6	453.4	517.3	454.3
95°	779.7	751.9	641.3	530.6	641.3	751.9	779.7	1023.8	1349.3	1512.1	1277.0
97.5°	1799.8	1747.2	1536.5	1326.0	1536.5	1747.2	1799.8	1954.2	2159.9	2262.8	1870.9
100°	2527.4	2464.7	2213.9	1963.0	2213.9	2464.7	2527.4	2516.2	2501.2	2493.6	2058.7
102.5°	3148.8	3095.1	2880.2	2665.3	2880.2	3095.1	3148.8	2952.2	2690.0	2558.9	2117.8
105°	3874.1	3845.2	3729.7	3614.2	3729.7	3845.2	3874.1	3433.3	2845.6	2551.7	2124.5
107.5°	4251.2	4258.2	4286.1	4314.0	4286.1	4258.2	4251.2	3636.4	2816.5	2406.6	2030.1
110°	4347.9	4377.9	4498.3	4618.6	4498.3	4377.9	4347.9	3660.5	2744.0	2285.8	1946.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4286.2	4332.4	4517.2	4702.0	4517.2	4332.4	4286.2	3582.7	2644.7	2175.7	1873.0
115°	4077.1	4141.1	4397.4	4653.6	4397.4	4141.1	4077.1	3399.3	2495.8	2044.0	1789.1
117.5°	3788.2	3859.2	4143.4	4427.7	4143.4	3859.2	3788.2	3176.6	2361.1	1953.3	1736.5
120°	3593.6	3662.6	3938.8	4214.9	3938.8	3662.6	3593.6	3034.8	2289.7	1917.1	1718.8
122.5°	3399.0	3467.1	3739.5	4011.9	3739.5	3467.1	3399.0	2895.8	2224.7	1889.3	1709.6
125°	3141.5	3204.2	3455.2	3706.0	3455.2	3204.2	3141.5	2714.0	2144.0	1859.0	1701.9
127.5°	2934.8	2987.7	3199.4	3411.1	3199.4	2987.7	2934.8	2567.8	2078.3	1833.6	1697.5
130°	2804.3	2853.2	3048.8	3244.3	3048.8	2853.2	2804.3	2477.5	2041.8	1823.9	1700.1
132.5°	2693.0	2736.8	2911.9	3087.1	2911.9	2736.8	2693.0	2400.5	2010.5	1815.5	1702.0
135°	2536.0	2573.7	2724.6	2875.6	2724.6	2573.7	2536.0	2291.0	1964.4	1801.0	1700.3
137.5°	2419.9	2450.8	2574.3	2697.9	2574.3	2450.8	2419.9	2212.8	1936.7	1798.7	1710.8
140°	2326.9	2355.7	2471.2	2586.7	2471.2	2355.7	2326.9	2148.0	1909.4	1790.1	1712.5
142.5°	2261.5	2286.4	2385.8	2485.2	2385.8	2286.4	2261.5	2104.4	1894.9	1790.1	1718.7
145°	2163.7	2182.5	2257.7	2332.9	2257.7	2182.5	2163.7	2035.1	1863.7	1778.0	1718.7
147.5°	2081.4	2097.0	2159.3	2221.6	2159.3	2097.0	2081.4	1980.2	1845.5	1778.0	1730.5
150°	2034.3	2046.9	2097.5	2148.0	2097.5	2046.9	2034.3	1948.9	1835.0	1778.0	1736.6
152.5°	1996.8	2006.3	2044.5	2082.7	2044.5	2006.3	1996.8	1923.9	1826.7	1778.0	1740.7
155°	1952.1	1958.4	1983.7	2008.9	1983.7	1958.4	1952.1	1894.1	1816.7	1778.0	1749.5
157.5°	1913.5	1917.9	1935.6	1953.3	1935.6	1917.9	1913.5	1868.3	1808.2	1778.0	1758.4
160°	1894.1	1896.6	1906.9	1917.1	1906.9	1896.6	1894.1	1855.4	1803.8	1778.0	1762.4
162.5°	1876.0	1878.4	1888.0	1897.7	1888.0	1878.4	1876.0	1843.3	1799.8	1778.0	1766.8
165°	1848.2	1850.7	1861.0	1871.1	1861.0	1850.7	1848.2	1824.8	1793.6	1778.0	1772.9
167.5°	1836.1	1837.1	1841.5	1845.8	1841.5	1837.1	1836.1	1820.8	1800.3	1790.1	1785.9
170°	1836.1	1836.1	1836.1	1836.1	1836.1	1836.1	1836.1	1820.8	1800.3	1790.1	1789.8
172.5°	1826.4	1825.4	1821.7	1817.9	1821.7	1825.4	1826.4	1814.3	1798.2	1790.1	1790.1
175°	1813.1	1813.1	1813.1	1813.1	1813.1	1813.1	1813.1	1805.4	1795.3	1790.1	1792.6
177.5°	1810.7	1809.6	1805.2	1801.0	1805.2	1809.6	1810.7	1804.7	1796.6	1792.6	1794.4
180°	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0	1801.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3466.3	3466.3	3466.3	3466.3	3466.3
2.5°	3423.7	3440.0	3449.9	3463.0	3495.8
5°	3292.5	3354.8	3374.4	3423.7	3482.7
7.5°	3003.9	3194.1	3246.5	3364.7	3456.4
10°	2725.1	2915.3	3007.2	3285.9	3423.7
12.5°	2584.1	2695.7	2758.0	3148.2	3377.7
15°	2495.6	2574.3	2620.2	2964.6	3325.3
17.5°	2426.8	2482.5	2515.2	2784.2	3253.1
20°	2384.1	2410.3	2439.8	2653.0	3171.1
22.5°	2354.6	2338.2	2361.2	2561.2	3059.6
25°	2334.9	2272.6	2298.9	2489.1	2928.5
27.5°	2351.3	2213.6	2223.4	2423.5	2790.7
30°	2354.6	2141.4	2144.7	2354.6	2636.6
32.5°	2331.6	2066.0	2069.3	2269.3	2462.8
35°	2275.9	1977.4	1974.1	2170.9	2226.7
37.5°	2200.4	1882.4	1882.4	2062.7	1967.7
40°	2108.6	1787.2	1797.1	1921.7	1738.1
42.5°	1997.1	1685.6	1698.8	1734.8	1567.6
45°	1875.8	1587.2	1597.0	1465.9	1436.3
47.5°	1741.4	1485.6	1488.9	1216.7	1393.7
50°	1580.6	1380.6	1367.5	1042.8	1390.4
52.5°	1439.6	1265.8	1226.5	944.5	1262.5
55°	1301.9	1144.5	1059.2	869.0	1170.7
57.5°	1180.5	987.1	905.1	780.5	1151.1
60°	1069.1	833.0	770.6	685.4	1055.9
62.5°	977.2	718.2	705.0	619.8	957.6
65°	878.9	639.4	636.1	564.1	813.3
67.5°	783.7	587.0	583.7	511.5	619.8
70°	682.1	531.3	524.7	455.8	459.1
72.5°	577.1	469.0	462.4	409.9	380.4
75°	472.2	396.8	393.5	357.5	308.2
77.5°	370.5	314.8	321.4	288.6	226.3
80°	265.6	229.6	236.1	206.6	170.5
82.5°	177.1	150.9	157.4	131.2	114.7
85°	98.4	85.3	88.6	68.9	52.4
87.5°	45.9	39.3	39.3	26.3	16.4
90°	53.2	33.8	31.4	21.8	12.1
92.5°	328.0	233.3	212.8	130.5	48.4
95°	807.0	454.5	416.9	266.5	116.1
97.5°	1087.1	499.2	466.1	333.3	200.7
100°	1189.1	536.7	506.6	386.2	265.9
102.5°	1235.8	574.1	546.0	433.8	321.5
105°	1270.4	629.8	606.0	510.9	415.8
107.5°	1276.9	711.9	689.7	601.2	512.5
110°	1267.2	757.9	737.9	657.9	577.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1267.5	813.5	794.4	718.1	641.9
115°	1279.3	896.9	879.3	808.9	738.6
117.5°	1303.0	977.9	961.9	898.0	834.0
120°	1322.4	1025.0	1010.0	949.8	889.6
122.5°	1350.2	1080.6	1065.4	1004.8	944.0
125°	1387.6	1151.9	1138.1	1082.8	1027.4
127.5°	1425.1	1220.8	1206.9	1151.0	1095.2
130°	1452.5	1266.8	1251.8	1191.6	1131.4
132.5°	1474.7	1304.3	1289.3	1229.1	1168.9
135°	1498.8	1347.8	1334.1	1279.3	1224.4
137.5°	1535.1	1403.3	1389.7	1335.6	1281.3
140°	1557.3	1440.8	1428.3	1378.4	1328.4
142.5°	1575.8	1468.6	1457.1	1410.9	1364.6
145°	1600.0	1511.0	1500.9	1460.6	1420.3
147.5°	1635.5	1564.2	1554.4	1515.1	1475.9
150°	1653.9	1591.9	1583.1	1547.6	1512.1
152.5°	1666.1	1610.1	1603.4	1576.5	1549.6
155°	1692.6	1649.9	1645.0	1625.1	1605.2
157.5°	1719.2	1689.8	1685.0	1665.7	1646.3
160°	1731.3	1708.0	1704.2	1689.2	1674.1
162.5°	1744.2	1727.3	1724.5	1713.2	1702.0
165°	1762.7	1755.1	1752.5	1742.3	1732.1
167.5°	1777.2	1770.8	1769.6	1764.7	1759.9
170°	1789.4	1789.0	1787.7	1782.9	1778.0
172.5°	1790.1	1790.1	1789.8	1788.8	1787.7
175°	1797.4	1801.0	1801.0	1801.0	1801.0
177.5°	1798.2	1801.0	1801.0	1801.0	1801.0
180°	1801.0	1801.0	1801.0	1801.0	1801.0



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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	13.83	14.63	14.84	15.65	17.02	16.67	17.47	17.68	18.49	19.85
	3H	14.30	15.02	15.32	16.05	17.43	18.01	18.73	19.03	19.76	21.14
	4H	14.49	15.17	15.52	16.20	17.59	18.45	19.14	19.49	20.17	21.56
	6H	14.60	15.23	15.65	16.27	17.67	18.74	19.37	19.78	20.40	21.80
	8H	14.60	15.20	15.65	16.26	17.65	18.81	19.41	19.86	20.46	21.86
	12H	14.57	15.14	15.63	16.19	17.61	18.85	19.42	19.90	20.46	21.88
4H	2H	14.85	15.54	15.90	16.57	17.96	17.07	17.75	18.11	18.78	20.17
	3H	15.88	16.45	16.93	17.51	18.91	18.57	19.14	19.62	20.20	21.60
	4H	16.15	16.67	17.21	17.72	19.15	19.10	19.62	20.15	20.67	22.10
	6H	16.27	16.72	17.34	17.80	19.21	19.46	19.91	20.53	20.98	22.40
	8H	16.28	16.70	17.34	17.76	19.20	19.57	19.99	20.63	21.05	22.49
	12H	16.24	16.62	17.32	17.70	19.14	19.62	20.00	20.71	21.08	22.52
8H	4H	16.60	17.02	17.67	18.09	19.52	19.22	19.64	20.28	20.70	22.14
	6H	16.86	17.21	17.95	18.32	19.75	19.65	20.00	20.74	21.11	22.54
	8H	16.90	17.21	18.00	18.30	19.75	19.81	20.11	20.90	21.20	22.65
	12H	16.88	17.15	17.98	18.24	19.73	19.90	20.17	21.00	21.26	22.75
12H	4H	16.60	16.98	17.69	18.06	19.50	19.18	19.56	20.26	20.64	22.08
	6H	16.92	17.22	18.02	18.32	19.77	19.65	19.95	20.75	21.05	22.50
	8H	16.98	17.25	18.08	18.34	19.83	19.81	20.08	20.91	21.17	22.66