

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: P935797

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

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935797
REPORT IS A COMBINATION OF REPORTS P933765 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-125D-B35-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

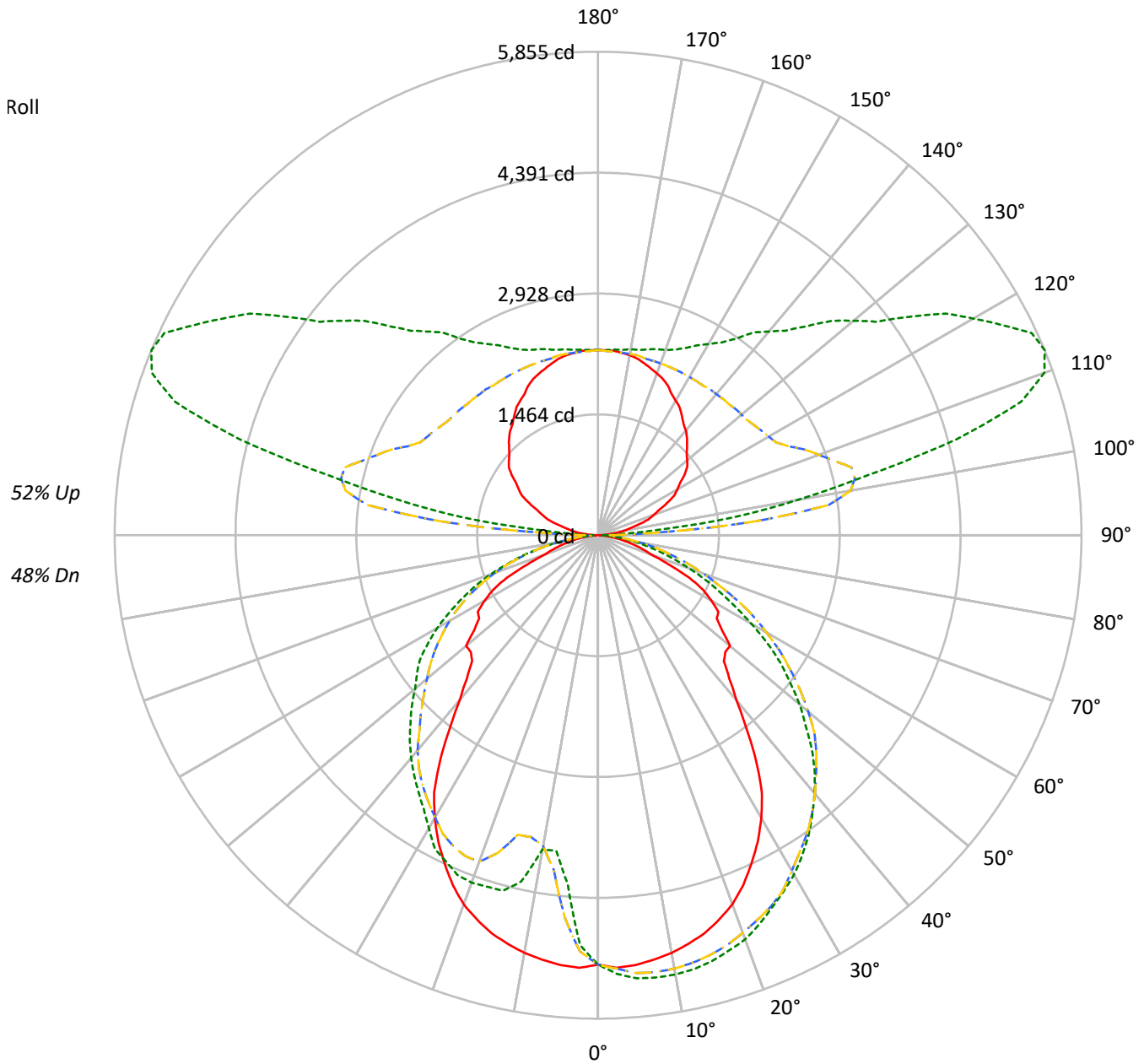
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28028.3 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: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 225.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19
7	58	45	38	32	53	42	35	30	36	31	26	30	26	23	25	22	19	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12

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	1.7
10°-20°	1332.6	4.8
20°-30°	2060.0	7.3
30°-40°	2459.2	8.8
40°-50°	2473.6	8.8
50°-60°	2152.4	7.7
60°-70°	1526.1	5.4
70°-80°	807.4	2.9
80°-90°	209.6	0.7
90°-100°	1093.2	3.9
100°-110°	2874.0	10.3
110°-120°	2980.0	10.6
120°-130°	2390.3	8.5
130°-140°	1875.6	6.7
140°-150°	1439.6	5.1
150°-160°	1036.7	3.7
160°-170°	634.3	2.3
170°-180°	214.3	0.8
0°-30°	3862.0	13.8
0°-40°	6321.2	22.6
0°-60°	10947.2	39.1
0°-90°	13490.2	48.1
90°-120°	6947.2	24.8
90°-150°	12652.7	45.1
90°-180°	14538.0	51.9
0°-180°	28028.3	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°	15	57	15	57	15	16
95°	144	661	144	661	144	160
105°	518	4500	518	4500	518	549
115°	920	5795	920	5795	920	908
125°	1279	4615	1279	4615	1279	1136
135°	1525	3581	1525	3581	1525	1180
145°	1768	2905	1768	2905	1768	1108
155°	1999	2502	1999	2502	1999	918
165°	2157	2330	2157	2330	2157	609
175°	2243	2258	2243	2258	2243	213
180°	2243	2243	2243	2243	2243	



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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°	15.0	27.0	39.1	42.2	66.2	98.3	114.3	101.6	76.3	57.2	57.2
92.5°	60.2	162.5	264.9	290.5	408.4	565.6	644.2	564.5	405.3	286.0	274.6
95°	144.5	331.8	519.1	565.9	1004.9	1590.2	1882.9	1680.1	1274.8	970.8	936.3
97.5°	249.8	415.0	580.3	621.6	1353.6	2329.6	2817.6	2689.5	2433.3	2241.1	2175.5
100°	331.1	481.0	630.8	668.3	1480.5	2563.6	3105.1	3114.5	3133.2	3147.2	3069.1
102.5°	400.4	540.2	679.9	714.9	1538.8	2637.1	3186.4	3349.5	3676.0	3920.9	3854.0
105°	517.7	636.1	754.6	784.2	1581.9	2645.5	3177.3	3543.1	4275.0	4823.9	4787.9
107.5°	638.2	748.6	858.9	886.5	1589.9	2527.8	2996.7	3507.1	4527.8	5293.5	5302.2
110°	719.5	819.1	918.8	943.7	1577.8	2423.4	2846.1	3416.8	4558.0	5413.9	5451.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	799.2	894.2	989.2	1012.9	1578.3	2332.3	2709.2	3293.2	4461.2	5337.2	5394.7
115°	919.6	1007.2	1094.9	1116.8	1592.9	2227.7	2545.2	3107.8	4232.9	5076.8	5156.5
117.5°	1038.6	1118.1	1197.8	1217.6	1622.5	2162.3	2432.3	2940.0	3955.5	4717.0	4805.5
120°	1107.8	1182.7	1257.7	1276.4	1646.6	2140.3	2387.1	2851.1	3778.9	4474.7	4560.7
122.5°	1175.5	1251.1	1326.7	1345.6	1681.2	2128.8	2352.5	2770.3	3605.7	4232.4	4317.2
125°	1279.4	1348.3	1417.2	1434.4	1727.9	2119.2	2314.8	2669.7	3379.5	3911.8	3989.9
127.5°	1363.7	1433.2	1502.8	1520.2	1774.5	2113.7	2283.3	2587.9	3197.3	3654.4	3720.3
130°	1408.8	1483.7	1558.6	1577.3	1808.6	2117.1	2271.2	2542.5	3085.0	3491.9	3552.7
132.5°	1455.4	1530.3	1605.3	1624.0	1836.3	2119.2	2260.7	2503.5	2989.2	3353.4	3408.0
135°	1524.7	1592.9	1661.2	1678.2	1866.4	2117.3	2242.7	2446.0	2852.7	3157.8	3204.8
137.5°	1595.5	1663.0	1730.5	1747.4	1911.4	2130.2	2239.6	2411.6	2755.4	3013.2	3051.7
140°	1654.1	1716.3	1778.5	1794.1	1939.1	2132.4	2229.1	2377.5	2674.5	2897.3	2933.3
142.5°	1699.2	1756.8	1814.4	1828.7	1962.1	2140.1	2229.1	2359.5	2620.5	2816.1	2847.0
145°	1768.5	1818.7	1868.9	1881.4	1992.3	2140.1	2214.1	2320.8	2534.1	2694.1	2717.6
147.5°	1837.7	1886.5	1935.4	1947.6	2036.5	2154.9	2214.1	2298.0	2465.9	2591.8	2611.2
150°	1882.9	1927.1	1971.2	1982.3	2059.5	2162.5	2214.1	2285.0	2426.8	2533.1	2548.8
152.5°	1929.6	1963.0	1996.5	2004.9	2074.6	2167.6	2214.1	2274.6	2395.7	2486.5	2498.4
155°	1998.8	2023.6	2048.3	2054.5	2107.7	2178.6	2214.1	2262.2	2358.5	2430.7	2438.6
157.5°	2050.0	2074.0	2098.2	2104.2	2140.8	2189.6	2214.1	2251.5	2326.4	2382.6	2388.1
160°	2084.6	2103.3	2122.1	2126.8	2155.8	2194.7	2214.1	2246.1	2310.4	2358.5	2361.7
162.5°	2119.2	2133.3	2147.3	2150.8	2171.9	2200.0	2214.1	2241.2	2295.4	2336.0	2339.0
165°	2156.8	2169.5	2182.2	2185.4	2195.0	2207.7	2214.1	2233.4	2272.2	2301.3	2304.5
167.5°	2191.5	2197.5	2203.5	2205.0	2213.0	2223.8	2229.1	2241.8	2267.2	2286.3	2287.6
170°	2214.1	2220.1	2226.1	2227.5	2228.0	2228.7	2229.1	2241.8	2267.2	2286.3	2286.3
172.5°	2226.1	2227.4	2228.8	2229.1	2229.1	2229.1	2229.1	2239.2	2259.2	2274.2	2273.1
175°	2242.7	2242.7	2242.7	2242.7	2238.1	2232.1	2229.1	2235.5	2248.2	2257.7	2257.7
177.5°	2242.7	2242.7	2242.7	2242.7	2239.2	2234.4	2232.1	2237.1	2247.1	2254.7	2253.3
180°	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7



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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°	57.2	57.2	57.2	57.2	57.2	76.3	101.6	114.3	98.3	66.2	42.2
92.5°	229.1	183.6	229.1	274.6	286.0	405.3	564.5	644.2	565.6	408.4	290.5
95°	798.6	660.8	798.6	936.3	970.8	1274.8	1680.1	1882.9	1590.2	1004.9	565.9
97.5°	1913.3	1651.1	1913.3	2175.5	2241.1	2433.3	2689.5	2817.6	2329.6	1353.6	621.6
100°	2756.7	2444.3	2756.7	3069.1	3147.2	3133.2	3114.5	3105.1	2563.6	1480.5	668.3
102.5°	3586.4	3318.8	3586.4	3854.0	3920.9	3676.0	3349.5	3186.4	2637.1	1538.8	714.9
105°	4644.1	4500.3	4644.1	4787.9	4823.9	4275.0	3543.1	3177.3	2645.5	1581.9	784.2
107.5°	5337.0	5371.7	5337.0	5302.2	5293.5	4527.8	3507.1	2996.7	2527.8	1589.9	886.5
110°	5601.2	5751.0	5601.2	5451.4	5413.9	4558.0	3416.8	2846.1	2423.4	1577.8	943.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5624.8	5854.9	5624.8	5394.7	5337.2	4461.2	3293.2	2709.2	2332.3	1578.3	1012.9
115°	5475.6	5794.7	5475.6	5156.5	5076.8	4232.9	3107.8	2545.2	2227.7	1592.9	1116.8
117.5°	5159.3	5513.2	5159.3	4805.5	4717.0	3955.5	2940.0	2432.3	2162.3	1622.5	1217.6
120°	4904.5	5248.3	4904.5	4560.7	4474.7	3778.9	2851.1	2387.1	2140.3	1646.6	1276.4
122.5°	4656.3	4995.5	4656.3	4317.2	4232.4	3605.7	2770.3	2352.5	2128.8	1681.2	1345.6
125°	4302.3	4614.7	4302.3	3989.9	3911.8	3379.5	2669.7	2314.8	2119.2	1727.9	1434.4
127.5°	3983.8	4247.4	3983.8	3720.3	3654.4	3197.3	2587.9	2283.3	2113.7	1774.5	1520.2
130°	3796.3	4039.8	3796.3	3552.7	3491.9	3085.0	2542.5	2271.2	2117.1	1808.6	1577.3
132.5°	3626.0	3844.0	3626.0	3408.0	3353.4	2989.2	2503.5	2260.7	2119.2	1836.3	1624.0
135°	3392.7	3580.6	3392.7	3204.8	3157.8	2852.7	2446.0	2242.7	2117.3	1866.4	1678.2
137.5°	3205.5	3359.4	3205.5	3051.7	3013.2	2755.4	2411.6	2239.6	2130.2	1911.4	1747.4
140°	3077.2	3221.0	3077.2	2933.3	2897.3	2674.5	2377.5	2229.1	2132.4	1939.1	1794.1
142.5°	2970.8	3094.5	2970.8	2847.0	2816.1	2620.5	2359.5	2229.1	2140.1	1962.1	1828.7
145°	2811.2	2904.9	2811.2	2717.6	2694.1	2534.1	2320.8	2214.1	2140.1	1992.3	1881.4
147.5°	2688.8	2766.4	2688.8	2611.2	2591.8	2465.9	2298.0	2214.1	2154.9	2036.5	1947.6
150°	2611.7	2674.6	2611.7	2548.8	2533.1	2426.8	2285.0	2214.1	2162.5	2059.5	1982.3
152.5°	2545.9	2593.3	2545.9	2498.4	2486.5	2395.7	2274.6	2214.1	2167.6	2074.6	2004.9
155°	2470.1	2501.5	2470.1	2438.6	2430.7	2358.5	2262.2	2214.1	2178.6	2107.7	2054.5
157.5°	2410.2	2432.3	2410.2	2388.1	2382.6	2326.4	2251.5	2214.1	2189.6	2140.8	2104.2
160°	2374.4	2387.1	2374.4	2361.7	2358.5	2310.4	2246.1	2214.1	2194.7	2155.8	2126.8
162.5°	2351.0	2363.0	2351.0	2339.0	2336.0	2295.4	2241.2	2214.1	2200.0	2171.9	2150.8
165°	2317.2	2330.0	2317.2	2304.5	2301.3	2272.2	2233.4	2214.1	2207.7	2195.0	2185.4
167.5°	2292.9	2298.3	2292.9	2287.6	2286.3	2267.2	2241.8	2229.1	2223.8	2213.0	2205.0
170°	2286.3	2286.3	2286.3	2286.3	2286.3	2267.2	2241.8	2229.1	2228.7	2228.0	2227.5
172.5°	2268.3	2263.7	2268.3	2273.1	2274.2	2259.2	2239.2	2229.1	2229.1	2229.1	2229.1
175°	2257.7	2257.7	2257.7	2257.7	2257.7	2248.2	2235.5	2229.1	2232.1	2238.1	2242.7
177.5°	2248.0	2242.7	2248.0	2253.3	2254.7	2247.1	2237.1	2232.1	2234.4	2239.2	2242.7
180°	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7



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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°	39.1	27.0	15.0	27.0	39.1	42.2	66.2	98.3	114.3	101.6	76.3
92.5°	264.9	162.5	60.2	162.5	264.9	290.5	408.4	565.6	644.2	564.5	405.3
95°	519.1	331.8	144.5	331.8	519.1	565.9	1004.9	1590.2	1882.9	1680.1	1274.8
97.5°	580.3	415.0	249.8	415.0	580.3	621.6	1353.6	2329.6	2817.6	2689.5	2433.3
100°	630.8	481.0	331.1	481.0	630.8	668.3	1480.5	2563.6	3105.1	3114.5	3133.2
102.5°	679.9	540.2	400.4	540.2	679.9	714.9	1538.8	2637.1	3186.4	3349.5	3676.0
105°	754.6	636.1	517.7	636.1	754.6	784.2	1581.9	2645.5	3177.3	3543.1	4275.0
107.5°	858.9	748.6	638.2	748.6	858.9	886.5	1589.9	2527.8	2996.7	3507.1	4527.8
110°	918.8	819.1	719.5	819.1	918.8	943.7	1577.8	2423.4	2846.1	3416.8	4558.0



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	989.2	894.2	799.2	894.2	989.2	1012.9	1578.3	2332.3	2709.2	3293.2	4461.2
115°	1094.9	1007.2	919.6	1007.2	1094.9	1116.8	1592.9	2227.7	2545.2	3107.8	4232.9
117.5°	1197.8	1118.1	1038.6	1118.1	1197.8	1217.6	1622.5	2162.3	2432.3	2940.0	3955.5
120°	1257.7	1182.7	1107.8	1182.7	1257.7	1276.4	1646.6	2140.3	2387.1	2851.1	3778.9
122.5°	1326.7	1251.1	1175.5	1251.1	1326.7	1345.6	1681.2	2128.8	2352.5	2770.3	3605.7
125°	1417.2	1348.3	1279.4	1348.3	1417.2	1434.4	1727.9	2119.2	2314.8	2669.7	3379.5
127.5°	1502.8	1433.2	1363.7	1433.2	1502.8	1520.2	1774.5	2113.7	2283.3	2587.9	3197.3
130°	1558.6	1483.7	1408.8	1483.7	1558.6	1577.3	1808.6	2117.1	2271.2	2542.5	3085.0
132.5°	1605.3	1530.3	1455.4	1530.3	1605.3	1624.0	1836.3	2119.2	2260.7	2503.5	2989.2
135°	1661.2	1592.9	1524.7	1592.9	1661.2	1678.2	1866.4	2117.3	2242.7	2446.0	2852.7
137.5°	1730.5	1663.0	1595.5	1663.0	1730.5	1747.4	1911.4	2130.2	2239.6	2411.6	2755.4
140°	1778.5	1716.3	1654.1	1716.3	1778.5	1794.1	1939.1	2132.4	2229.1	2377.5	2674.5
142.5°	1814.4	1756.8	1699.2	1756.8	1814.4	1828.7	1962.1	2140.1	2229.1	2359.5	2620.5
145°	1868.9	1818.7	1768.5	1818.7	1868.9	1881.4	1992.3	2140.1	2214.1	2320.8	2534.1
147.5°	1935.4	1886.5	1837.7	1886.5	1935.4	1947.6	2036.5	2154.9	2214.1	2298.0	2465.9
150°	1971.2	1927.1	1882.9	1927.1	1971.2	1982.3	2059.5	2162.5	2214.1	2285.0	2426.8
152.5°	1996.5	1963.0	1929.6	1963.0	1996.5	2004.9	2074.6	2167.6	2214.1	2274.6	2395.7
155°	2048.3	2023.6	1998.8	2023.6	2048.3	2054.5	2107.7	2178.6	2214.1	2262.2	2358.5
157.5°	2098.2	2074.0	2050.0	2074.0	2098.2	2104.2	2140.8	2189.6	2214.1	2251.5	2326.4
160°	2122.1	2103.3	2084.6	2103.3	2122.1	2126.8	2155.8	2194.7	2214.1	2246.1	2310.4
162.5°	2147.3	2133.3	2119.2	2133.3	2147.3	2150.8	2171.9	2200.0	2214.1	2241.2	2295.4
165°	2182.2	2169.5	2156.8	2169.5	2182.2	2185.4	2195.0	2207.7	2214.1	2233.4	2272.2
167.5°	2203.5	2197.5	2191.5	2197.5	2203.5	2205.0	2213.0	2223.8	2229.1	2241.8	2267.2
170°	2226.1	2220.1	2214.1	2220.1	2226.1	2227.5	2228.0	2228.7	2229.1	2241.8	2267.2
172.5°	2228.8	2227.4	2226.1	2227.4	2228.8	2229.1	2229.1	2229.1	2229.1	2239.2	2259.2
175°	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2238.1	2232.1	2229.1	2235.5	2248.2
177.5°	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2239.2	2234.4	2232.1	2237.1	2247.1
180°	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7



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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°	57.2	57.2	57.2	57.2	57.2	57.2	57.2	76.3	101.6	114.3	98.3
92.5°	286.0	274.6	229.1	183.6	229.1	274.6	286.0	405.3	564.5	644.2	565.6
95°	970.8	936.3	798.6	660.8	798.6	936.3	970.8	1274.8	1680.1	1882.9	1590.2
97.5°	2241.1	2175.5	1913.3	1651.1	1913.3	2175.5	2241.1	2433.3	2689.5	2817.6	2329.6
100°	3147.2	3069.1	2756.7	2444.3	2756.7	3069.1	3147.2	3133.2	3114.5	3105.1	2563.6
102.5°	3920.9	3854.0	3586.4	3318.8	3586.4	3854.0	3920.9	3676.0	3349.5	3186.4	2637.1
105°	4823.9	4787.9	4644.1	4500.3	4644.1	4787.9	4823.9	4275.0	3543.1	3177.3	2645.5
107.5°	5293.5	5302.2	5337.0	5371.7	5337.0	5302.2	5293.5	4527.8	3507.1	2996.7	2527.8
110°	5413.9	5451.4	5601.2	5751.0	5601.2	5451.4	5413.9	4558.0	3416.8	2846.1	2423.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5337.2	5394.7	5624.8	5854.9	5624.8	5394.7	5337.2	4461.2	3293.2	2709.2	2332.3
115°	5076.8	5156.5	5475.6	5794.7	5475.6	5156.5	5076.8	4232.9	3107.8	2545.2	2227.7
117.5°	4717.0	4805.5	5159.3	5513.2	5159.3	4805.5	4717.0	3955.5	2940.0	2432.3	2162.3
120°	4474.7	4560.7	4904.5	5248.3	4904.5	4560.7	4474.7	3778.9	2851.1	2387.1	2140.3
122.5°	4232.4	4317.2	4656.3	4995.5	4656.3	4317.2	4232.4	3605.7	2770.3	2352.5	2128.8
125°	3911.8	3989.9	4302.3	4614.7	4302.3	3989.9	3911.8	3379.5	2669.7	2314.8	2119.2
127.5°	3654.4	3720.3	3983.8	4247.4	3983.8	3720.3	3654.4	3197.3	2587.9	2283.3	2113.7
130°	3491.9	3552.7	3796.3	4039.8	3796.3	3552.7	3491.9	3085.0	2542.5	2271.2	2117.1
132.5°	3353.4	3408.0	3626.0	3844.0	3626.0	3408.0	3353.4	2989.2	2503.5	2260.7	2119.2
135°	3157.8	3204.8	3392.7	3580.6	3392.7	3204.8	3157.8	2852.7	2446.0	2242.7	2117.3
137.5°	3013.2	3051.7	3205.5	3359.4	3205.5	3051.7	3013.2	2755.4	2411.6	2239.6	2130.2
140°	2897.3	2933.3	3077.2	3221.0	3077.2	2933.3	2897.3	2674.5	2377.5	2229.1	2132.4
142.5°	2816.1	2847.0	2970.8	3094.5	2970.8	2847.0	2816.1	2620.5	2359.5	2229.1	2140.1
145°	2694.1	2717.6	2811.2	2904.9	2811.2	2717.6	2694.1	2534.1	2320.8	2214.1	2140.1
147.5°	2591.8	2611.2	2688.8	2766.4	2688.8	2611.2	2591.8	2465.9	2298.0	2214.1	2154.9
150°	2533.1	2548.8	2611.7	2674.6	2611.7	2548.8	2533.1	2426.8	2285.0	2214.1	2162.5
152.5°	2486.5	2498.4	2545.9	2593.3	2545.9	2498.4	2486.5	2395.7	2274.6	2214.1	2167.6
155°	2430.7	2438.6	2470.1	2501.5	2470.1	2438.6	2430.7	2358.5	2262.2	2214.1	2178.6
157.5°	2382.6	2388.1	2410.2	2432.3	2410.2	2388.1	2382.6	2326.4	2251.5	2214.1	2189.6
160°	2358.5	2361.7	2374.4	2387.1	2374.4	2361.7	2358.5	2310.4	2246.1	2214.1	2194.7
162.5°	2336.0	2339.0	2351.0	2363.0	2351.0	2339.0	2336.0	2295.4	2241.2	2214.1	2200.0
165°	2301.3	2304.5	2317.2	2330.0	2317.2	2304.5	2301.3	2272.2	2233.4	2214.1	2207.7
167.5°	2286.3	2287.6	2292.9	2298.3	2292.9	2287.6	2286.3	2267.2	2241.8	2229.1	2223.8
170°	2286.3	2286.3	2286.3	2286.3	2286.3	2286.3	2286.3	2267.2	2241.8	2229.1	2228.7
172.5°	2274.2	2273.1	2268.3	2263.7	2268.3	2273.1	2274.2	2259.2	2239.2	2229.1	2229.1
175°	2257.7	2257.7	2257.7	2257.7	2257.7	2257.7	2257.7	2248.2	2235.5	2229.1	2232.1
177.5°	2254.7	2253.3	2248.0	2242.7	2248.0	2253.3	2254.7	2247.1	2237.1	2232.1	2234.4
180°	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7	2242.7



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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°	66.2	42.2	39.1	27.0	15.0
92.5°	408.4	290.5	264.9	162.5	60.2
95°	1004.9	565.9	519.1	331.8	144.5
97.5°	1353.6	621.6	580.3	415.0	249.8
100°	1480.5	668.3	630.8	481.0	331.1
102.5°	1538.8	714.9	679.9	540.2	400.4
105°	1581.9	784.2	754.6	636.1	517.7
107.5°	1589.9	886.5	858.9	748.6	638.2
110°	1577.8	943.7	918.8	819.1	719.5



TEST NUMBER: P935797

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

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1578.3	1012.9	989.2	894.2	799.2
115°	1592.9	1116.8	1094.9	1007.2	919.6
117.5°	1622.5	1217.6	1197.8	1118.1	1038.6
120°	1646.6	1276.4	1257.7	1182.7	1107.8
122.5°	1681.2	1345.6	1326.7	1251.1	1175.5
125°	1727.9	1434.4	1417.2	1348.3	1279.4
127.5°	1774.5	1520.2	1502.8	1433.2	1363.7
130°	1808.6	1577.3	1558.6	1483.7	1408.8
132.5°	1836.3	1624.0	1605.3	1530.3	1455.4
135°	1866.4	1678.2	1661.2	1592.9	1524.7
137.5°	1911.4	1747.4	1730.5	1663.0	1595.5
140°	1939.1	1794.1	1778.5	1716.3	1654.1
142.5°	1962.1	1828.7	1814.4	1756.8	1699.2
145°	1992.3	1881.4	1868.9	1818.7	1768.5
147.5°	2036.5	1947.6	1935.4	1886.5	1837.7
150°	2059.5	1982.3	1971.2	1927.1	1882.9
152.5°	2074.6	2004.9	1996.5	1963.0	1929.6
155°	2107.7	2054.5	2048.3	2023.6	1998.8
157.5°	2140.8	2104.2	2098.2	2074.0	2050.0
160°	2155.8	2126.8	2122.1	2103.3	2084.6
162.5°	2171.9	2150.8	2147.3	2133.3	2119.2
165°	2195.0	2185.4	2182.2	2169.5	2156.8
167.5°	2213.0	2205.0	2203.5	2197.5	2191.5
170°	2228.0	2227.5	2226.1	2220.1	2214.1
172.5°	2229.1	2229.1	2228.8	2227.4	2226.1
175°	2238.1	2242.7	2242.7	2242.7	2242.7
177.5°	2239.2	2242.7	2242.7	2242.7	2242.7
180°	2242.7	2242.7	2242.7	2242.7	2242.7



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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	14.29	15.13	15.26	16.12	17.42	17.14	17.98	18.11	18.97	20.27
	3H	14.76	15.52	15.75	16.52	17.84	18.49	19.25	19.47	20.24	21.56
	4H	14.95	15.67	15.95	16.67	18.00	18.94	19.65	19.93	20.65	21.98
	6H	15.07	15.73	16.08	16.74	18.08	19.23	19.89	20.23	20.89	22.23
	8H	15.07	15.70	16.09	16.72	18.06	19.30	19.93	20.32	20.95	22.29
	12H	15.04	15.64	16.06	16.65	18.02	19.35	19.94	20.36	20.96	22.32
4H	2H	15.32	16.04	16.33	17.04	18.37	17.54	18.26	18.55	19.26	20.59
	3H	16.35	16.95	17.36	17.97	19.32	19.06	19.65	20.07	20.68	22.02
	4H	16.62	17.17	17.64	18.19	19.56	19.59	20.13	20.61	21.15	22.52
	6H	16.75	17.22	17.78	18.26	19.62	19.96	20.43	20.99	21.47	22.83
	8H	16.75	17.19	17.79	18.23	19.60	20.07	20.51	21.10	21.54	22.92
	12H	16.72	17.12	17.77	18.17	19.55	20.13	20.52	21.18	21.57	22.96
8H	4H	17.08	17.52	18.11	18.56	19.93	19.71	20.15	20.74	21.19	22.56
	6H	17.34	17.70	18.40	18.78	20.16	20.15	20.51	21.21	21.59	22.97
	8H	17.38	17.70	18.45	18.77	20.16	20.31	20.63	21.37	21.69	23.08
	12H	17.37	17.65	18.43	18.71	20.14	20.41	20.69	21.48	21.75	23.18
12H	4H	17.09	17.48	18.14	18.53	19.92	19.67	20.07	20.72	21.12	22.50
	6H	17.40	17.72	18.47	18.79	20.18	20.15	20.47	21.21	21.53	22.92
	8H	17.47	17.75	18.54	18.81	20.24	20.31	20.59	21.38	21.65	23.09