

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: P935309

Luminaire Tested: SQ4-FA-100U-125D-830-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935309
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-830-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

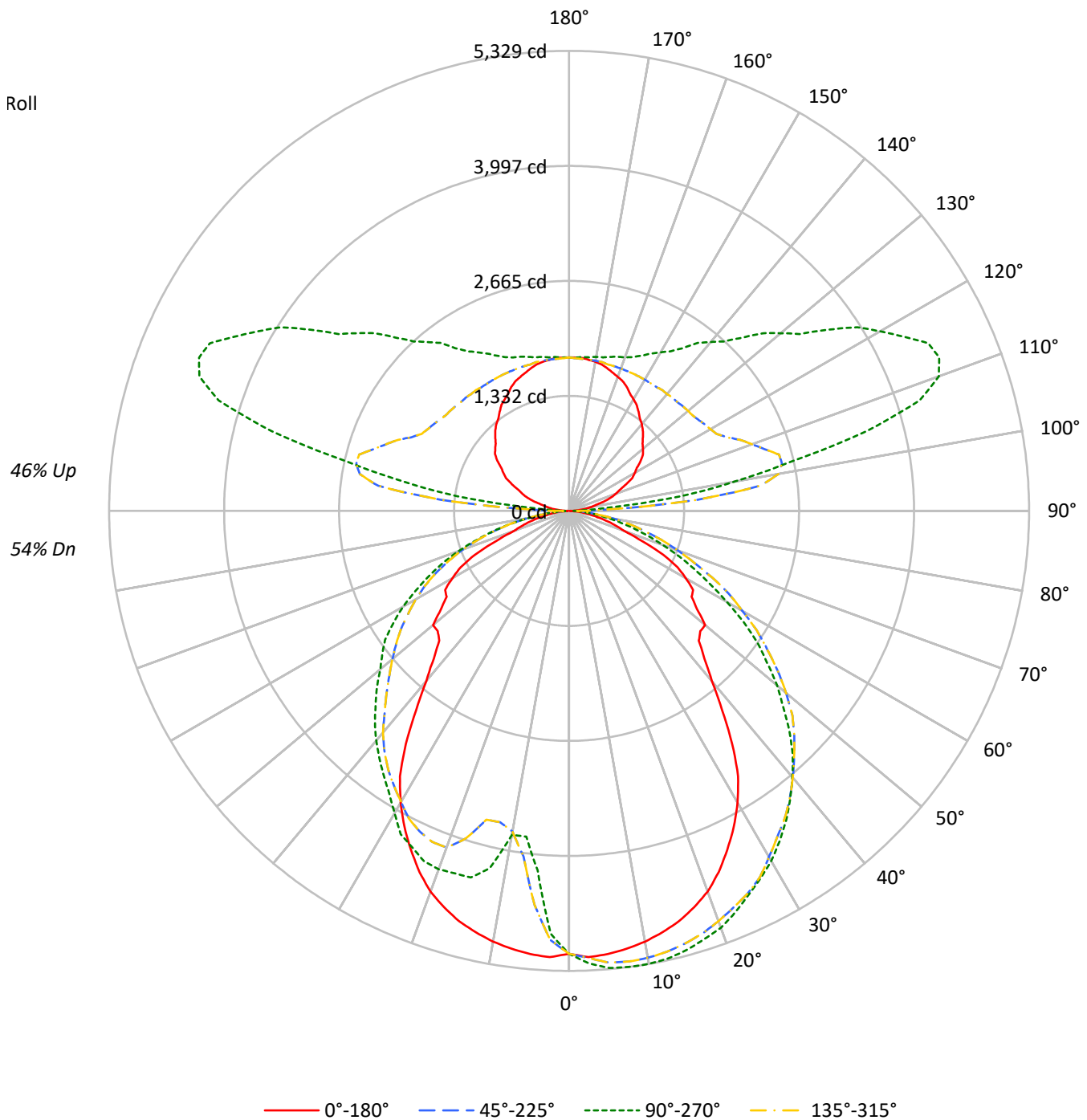
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24830.2 lumens
Efficiency: N/A
Efficacy: 120.3 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				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	54				54
1	99	94	90	87	91	88	84	81	75	73	70	63	62	60	53	51	50	45				45
2	90	82	76	71	83	77	71	67	66	62	58	56	53	50	46	44	42	38				38
3	82	72	65	59	76	67	61	56	58	53	49	49	46	42	41	38	36	32				32
4	75	64	56	50	69	60	53	47	51	46	42	44	40	36	37	34	31	28				28
5	69	57	49	43	64	53	46	41	46	40	36	39	35	31	33	30	27	24				24
6	63	51	43	37	59	48	41	35	41	36	31	35	31	28	30	26	24	21				21
7	59	46	38	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19				19
8	54	42	34	29	50	39	32	27	34	29	24	29	25	22	25	22	19	17				17
9	51	38	31	26	47	36	29	24	31	26	22	27	23	19	23	20	17	15				15
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	21	18	15	13				13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15867	15867	15867	15867
5°	15991	16017	15991	12594
10°	15890	15777	15890	11280
15°	15724	15436	15724	12889
20°	15401	15031	15401	12916
25°	14734	14440	14734	12642
30°	13870	13950	13870	12042
35°	12371	13330	12371	11381
40°	10314	12599	10314	10882
45°	9222	11745	9222	10308
50°	9805	10726	9805	9732
55°	9233	9627	9233	9399
60°	9530	8176	9530	8609
65°	8654	6759	8654	7555
70°	6007	5386	6007	6333
75°	5287	3981	5287	4768
80°	4293	2632	4293	2866
85°	2514	1395	2514	1185

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14125 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	463.1	1.9
10°-20°	1314.8	5.3
20°-30°	2032.4	8.2
30°-40°	2426.2	9.8
40°-50°	2440.5	9.8
50°-60°	2123.5	8.6
60°-70°	1505.6	6.1
70°-80°	796.5	3.2
80°-90°	205.2	0.8
90°-100°	866.4	3.5
100°-110°	2277.9	9.2
110°-120°	2361.9	9.5
120°-130°	1894.6	7.6
130°-140°	1486.5	6.0
140°-150°	1141.0	4.6
150°-160°	821.7	3.3
160°-170°	502.8	2.0
170°-180°	169.9	0.7
0°-30°	3810.2	15.3
0°-40°	6236.4	25.1
0°-60°	10800.3	43.5
0°-90°	13307.6	53.6
90°-120°	5506.2	22.2
90°-150°	10028.3	40.4
90°-180°	11523.0	46.4
0°-180°	24830.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5130	5130	5130	5130	5130	
5°	5154	5314	5154	4179	5154	489
15°	4921	5266	4921	4397	4921	1385
25°	4334	4911	4334	4300	4334	1990
35°	3295	4382	3295	3742	3295	2039
45°	2126	3611	2126	3169	2126	1703
55°	1733	2664	1733	2601	1733	1592
65°	1204	1606	1204	1796	1204	1150
75°	456	762	456	912	456	480
85°	78	194	78	165	78	105
90°	12	45	12	45	12	13
95°	114	524	114	524	114	127
105°	410	3567	410	3567	410	435
115°	729	4593	729	4593	729	720
125°	1014	3658	1014	3658	1014	900
135°	1208	2838	1208	2838	1208	935
145°	1402	2302	1402	2302	1402	878
155°	1584	1983	1584	1983	1584	728
165°	1709	1847	1709	1847	1709	482
175°	1778	1789	1778	1789	1778	169
180°	1778	1778	1778	1778	1778	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9
2.5°	5173.6	5173.6	5202.6	5212.4	5212.4	5197.8	5183.2	5197.8	5241.5	5256.1	5251.2
5°	5154.1	5193.0	5246.3	5256.1	5265.7	5260.9	5251.2	5260.9	5309.4	5319.2	5324.0
7.5°	5115.3	5188.1	5256.1	5270.6	5285.2	5270.6	5265.7	5275.5	5324.0	5333.7	5333.7
10°	5066.8	5168.7	5246.3	5256.1	5270.6	5256.1	5256.1	5275.5	5324.0	5333.7	5338.6
12.5°	4998.8	5139.6	5212.4	5222.1	5241.5	5236.6	5231.8	5251.2	5299.7	5309.4	5309.4
15°	4921.2	5086.2	5154.1	5163.8	5197.8	5188.1	5188.1	5207.5	5260.9	5275.5	5270.6
17.5°	4814.4	5018.2	5095.9	5110.5	5134.7	5129.9	5134.7	5154.1	5202.6	5212.4	5217.2
20°	4693.1	4926.0	5018.2	5032.8	5057.0	5057.0	5057.0	5081.3	5129.9	5149.3	5149.3
22.5°	4528.1	4828.9	4926.0	4935.7	4964.9	4964.9	4974.5	5008.5	5052.2	5057.0	5057.0
25°	4333.9	4722.2	4804.7	4833.8	4863.0	4877.5	4892.0	4911.4	4926.0	4921.2	4926.0
27.5°	4130.1	4586.3	4693.1	4712.5	4751.3	4765.9	4785.3	4790.1	4795.0	4809.5	4799.9
30°	3902.0	4397.0	4557.2	4576.6	4639.7	4649.4	4630.0	4639.7	4663.9	4673.7	4683.3
32.5°	3644.8	4115.6	4416.4	4460.1	4518.3	4489.3	4484.4	4498.9	4537.7	4537.7	4547.5
35°	3295.3	3897.1	4285.4	4324.2	4367.9	4333.9	4353.3	4358.2	4382.5	4397.0	4392.2
37.5°	2912.0	3707.8	4149.5	4178.7	4212.6	4168.9	4198.1	4212.6	4232.0	4222.3	4222.3
40°	2572.2	3411.8	3989.4	4008.8	4037.9	4003.9	4033.1	4042.7	4052.5	4042.7	4037.9
42.5°	2319.8	3086.6	3819.5	3843.8	3824.4	3848.6	3858.3	3877.7	3863.2	3843.8	3843.8
45°	2125.7	2999.3	3635.1	3664.2	3635.1	3673.9	3688.4	3688.4	3644.8	3635.1	3630.2
47.5°	2062.7	2824.6	3450.7	3450.7	3436.1	3484.6	3508.9	3474.9	3431.3	3416.6	3416.6
50°	2057.8	2630.4	3198.3	3178.9	3246.8	3305.1	3280.8	3246.8	3212.8	3159.5	3159.5
52.5°	1868.5	2392.7	2873.1	2945.9	3052.7	3086.6	3047.8	3013.9	2955.6	2931.4	2912.0
55°	1732.6	2145.2	2577.1	2722.7	2834.3	2877.9	2805.2	2771.2	2683.9	2669.2	2659.6
57.5°	1703.5	1786.0	2305.3	2489.7	2625.6	2620.8	2577.1	2514.0	2441.1	2426.6	2421.7
60°	1562.8	1291.0	2014.1	2232.5	2373.3	2358.6	2319.8	2261.6	2193.6	2184.0	2174.2
62.5°	1417.2	936.7	1684.1	1931.6	2130.5	2125.7	2091.7	2004.3	1955.9	1931.6	1912.2
65°	1203.6	786.2	1198.7	1606.5	1892.8	1902.4	1829.7	1766.6	1713.2	1684.1	1679.2
67.5°	917.3	640.6	810.5	1339.5	1664.7	1654.9	1562.8	1533.6	1465.6	1451.1	1422.0
70°	679.4	427.0	563.0	1087.2	1441.4	1417.2	1344.3	1310.4	1247.3	1213.3	1193.9
72.5°	563.0	344.5	412.5	844.4	1213.3	1184.2	1121.1	1082.3	1028.8	999.8	980.4
75°	456.2	363.9	315.5	626.1	985.2	965.8	907.5	868.7	825.0	786.2	791.1
77.5°	334.9	339.8	252.4	461.1	781.3	752.3	718.2	669.8	650.4	611.6	611.6
80°	252.4	266.9	189.3	315.5	563.0	563.0	533.8	499.9	466.0	446.5	446.5
82.5°	169.9	169.9	140.7	198.9	383.5	368.8	349.4	339.8	320.4	310.6	310.6
85°	77.6	97.0	87.4	121.3	208.7	218.4	218.4	208.7	203.8	194.2	198.9
87.5°	24.3	43.7	53.3	68.0	106.8	111.7	116.4	116.4	116.4	121.3	121.3
90°	12.0	21.5	31.0	33.4	52.5	77.9	90.6	80.6	60.4	45.3	45.3
92.5°	47.7	128.8	209.9	230.2	323.7	448.3	510.6	447.5	321.3	226.7	217.7
95°	114.5	263.0	411.5	448.6	796.4	1260.4	1492.3	1331.7	1010.4	769.4	742.0
97.5°	198.0	329.0	459.9	492.7	1072.8	1846.3	2233.1	2131.6	1928.5	1776.2	1724.3
100°	262.4	381.2	499.9	529.6	1173.4	2031.8	2461.0	2468.5	2483.3	2494.4	2432.5
102.5°	317.3	428.1	538.9	566.6	1219.6	2090.2	2525.5	2654.8	2913.5	3107.6	3054.5
105°	410.4	504.2	598.1	621.5	1253.8	2096.8	2518.3	2808.3	3388.4	3823.3	3794.8
107.5°	505.8	593.3	680.8	702.7	1260.1	2003.4	2375.1	2779.7	3588.7	4195.5	4202.4
110°	570.3	649.2	728.2	748.0	1250.5	1920.7	2255.8	2708.1	3612.5	4290.9	4320.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	633.4	708.8	784.0	802.8	1251.0	1848.5	2147.3	2610.2	3535.9	4230.1	4275.7
115°	728.9	798.4	867.8	885.2	1262.5	1765.6	2017.3	2463.1	3354.9	4023.7	4086.9
117.5°	823.1	886.2	949.3	965.1	1286.0	1713.8	1927.8	2330.2	3135.0	3738.6	3808.7
120°	878.0	937.4	996.8	1011.6	1305.1	1696.4	1892.0	2259.7	2995.1	3546.6	3614.7
122.5°	931.7	991.7	1051.5	1066.5	1332.6	1687.2	1864.6	2195.6	2857.9	3354.5	3421.7
125°	1014.0	1068.6	1123.2	1136.9	1369.5	1679.7	1834.8	2116.0	2678.5	3100.4	3162.3
127.5°	1080.8	1135.9	1191.1	1204.8	1406.5	1675.3	1809.7	2051.2	2534.2	2896.4	2948.6
130°	1116.6	1176.0	1235.3	1250.2	1433.5	1678.0	1800.1	2015.2	2445.2	2767.6	2815.9
132.5°	1153.6	1213.0	1272.3	1287.2	1455.3	1679.6	1791.7	1984.2	2369.2	2657.9	2701.1
135°	1208.5	1262.5	1316.6	1330.1	1479.2	1678.1	1777.5	1938.7	2260.9	2502.7	2540.0
137.5°	1264.5	1318.0	1371.6	1385.0	1515.0	1688.4	1775.1	1911.3	2183.9	2388.3	2418.8
140°	1311.1	1360.4	1409.6	1422.0	1536.9	1690.1	1766.7	1884.4	2119.8	2296.4	2324.9
142.5°	1346.8	1392.4	1438.0	1449.4	1555.1	1696.1	1766.7	1870.1	2076.9	2232.0	2256.4
145°	1401.7	1441.5	1481.2	1491.2	1579.0	1696.2	1754.8	1839.3	2008.5	2135.3	2153.9
147.5°	1456.6	1495.3	1534.0	1543.7	1614.0	1707.9	1754.8	1821.4	1954.4	2054.3	2069.6
150°	1492.3	1527.3	1562.3	1571.1	1632.4	1714.0	1754.8	1811.0	1923.4	2007.7	2020.1
152.5°	1529.3	1555.8	1582.4	1589.0	1644.2	1717.9	1754.8	1802.8	1898.7	1970.7	1980.1
155°	1584.2	1603.8	1623.5	1628.4	1670.5	1726.7	1754.8	1793.0	1869.3	1926.5	1932.7
157.5°	1624.7	1643.8	1663.0	1667.7	1696.8	1735.5	1754.8	1784.5	1843.8	1888.4	1892.8
160°	1652.2	1667.1	1681.9	1685.6	1708.7	1739.4	1754.8	1780.3	1831.1	1869.3	1871.8
162.5°	1679.6	1690.7	1701.9	1704.6	1721.4	1743.6	1754.8	1776.2	1819.2	1851.4	1853.8
165°	1709.4	1719.5	1729.6	1732.1	1739.6	1749.8	1754.8	1770.2	1800.9	1824.0	1826.4
167.5°	1736.9	1741.6	1746.4	1747.7	1754.0	1762.5	1766.7	1776.8	1797.0	1812.1	1813.1
170°	1754.8	1759.6	1764.4	1765.5	1765.9	1766.4	1766.7	1776.8	1797.0	1812.1	1812.1
172.5°	1764.3	1765.3	1766.4	1766.7	1766.7	1766.7	1766.7	1774.6	1790.6	1802.5	1801.6
175°	1777.5	1777.5	1777.5	1777.5	1773.9	1769.1	1766.7	1771.8	1781.8	1789.3	1789.3
177.5°	1777.5	1777.5	1777.5	1777.5	1774.7	1771.0	1769.1	1773.1	1781.0	1787.0	1785.9
180°	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9
2.5°	5260.9	5246.3	5260.9	5251.2	5256.1	5241.5	5197.8	5183.2	5197.8	5212.4	5212.4
5°	5324.0	5314.3	5324.0	5324.0	5319.2	5309.4	5260.9	5251.2	5260.9	5265.7	5256.1
7.5°	5343.4	5328.8	5343.4	5333.7	5333.7	5324.0	5275.5	5265.7	5270.6	5285.2	5270.6
10°	5343.4	5328.8	5343.4	5338.6	5333.7	5324.0	5275.5	5256.1	5256.1	5270.6	5256.1
12.5°	5319.2	5309.4	5319.2	5309.4	5309.4	5299.7	5251.2	5231.8	5236.6	5241.5	5222.1
15°	5280.3	5265.7	5280.3	5270.6	5275.5	5260.9	5207.5	5188.1	5188.1	5197.8	5163.8
17.5°	5222.1	5202.6	5222.1	5217.2	5212.4	5202.6	5154.1	5134.7	5129.9	5134.7	5110.5
20°	5154.1	5139.6	5154.1	5149.3	5149.3	5129.9	5081.3	5057.0	5057.0	5057.0	5032.8
22.5°	5047.4	5032.8	5047.4	5057.0	5057.0	5052.2	5008.5	4974.5	4964.9	4964.9	4935.7
25°	4926.0	4911.4	4926.0	4926.0	4921.2	4926.0	4911.4	4892.0	4877.5	4863.0	4833.8
27.5°	4809.5	4799.9	4809.5	4799.9	4809.5	4795.0	4790.1	4785.3	4765.9	4751.3	4712.5
30°	4693.1	4683.3	4693.1	4683.3	4673.7	4663.9	4639.7	4630.0	4649.4	4639.7	4576.6
32.5°	4547.5	4537.7	4547.5	4547.5	4537.7	4537.7	4498.9	4484.4	4489.3	4518.3	4460.1
35°	4397.0	4382.5	4397.0	4392.2	4397.0	4382.5	4358.2	4353.3	4333.9	4367.9	4324.2
37.5°	4222.3	4207.7	4222.3	4222.3	4222.3	4232.0	4212.6	4198.1	4168.9	4212.6	4178.7
40°	4042.7	4023.3	4042.7	4037.9	4042.7	4052.5	4042.7	4033.1	4003.9	4037.9	4008.8
42.5°	3838.9	3834.0	3838.9	3843.8	3843.8	3863.2	3877.7	3858.3	3848.6	3824.4	3843.8
45°	3620.5	3610.8	3620.5	3630.2	3635.1	3644.8	3688.4	3688.4	3673.9	3635.1	3664.2
47.5°	3387.6	3363.3	3387.6	3416.6	3416.6	3431.3	3474.9	3508.9	3484.6	3436.1	3450.7
50°	3140.1	3144.9	3140.1	3159.5	3159.5	3212.8	3246.8	3280.8	3305.1	3246.8	3178.9
52.5°	2897.3	2892.6	2897.3	2912.0	2931.4	2955.6	3013.9	3047.8	3086.6	3052.7	2945.9
55°	2654.7	2664.5	2654.7	2659.6	2669.2	2683.9	2771.2	2805.2	2877.9	2834.3	2722.7
57.5°	2412.1	2397.5	2412.1	2421.7	2426.6	2441.1	2514.0	2577.1	2620.8	2625.6	2489.7
60°	2130.5	2111.1	2130.5	2174.2	2184.0	2193.6	2261.6	2319.8	2358.6	2373.3	2232.5
62.5°	1883.0	1849.1	1883.0	1912.2	1931.6	1955.9	2004.3	2091.7	2125.7	2130.5	1931.6
65°	1621.0	1606.5	1621.0	1679.2	1684.1	1713.2	1766.6	1829.7	1902.4	1892.8	1606.5
67.5°	1383.1	1383.1	1383.1	1422.0	1451.1	1465.6	1533.6	1562.8	1654.9	1664.7	1339.5
70°	1164.8	1159.9	1164.8	1193.9	1213.3	1247.3	1310.4	1344.3	1417.2	1441.4	1087.2
72.5°	956.1	951.2	956.1	980.4	999.8	1028.8	1082.3	1121.1	1184.2	1213.3	844.4
75°	771.7	761.9	771.7	791.1	786.2	825.0	868.7	907.5	965.8	985.2	626.1
77.5°	592.1	592.1	592.1	611.6	611.6	650.4	669.8	718.2	752.3	781.3	461.1
80°	441.7	436.8	441.7	446.5	446.5	466.0	499.9	533.8	563.0	563.0	315.5
82.5°	310.6	300.9	310.6	310.6	310.6	320.4	339.8	349.4	368.8	383.5	198.9
85°	194.2	194.2	194.2	198.9	194.2	203.8	208.7	218.4	218.4	208.7	121.3
87.5°	126.2	121.3	126.2	121.3	121.3	116.4	116.4	116.4	111.7	106.8	68.0
90°	45.3	45.3	45.3	45.3	45.3	60.4	80.6	90.6	77.9	52.5	33.4
92.5°	181.5	145.5	181.5	217.7	226.7	321.3	447.5	510.6	448.3	323.7	230.2
95°	632.9	523.7	632.9	742.0	769.4	1010.4	1331.7	1492.3	1260.4	796.4	448.6
97.5°	1516.5	1308.7	1516.5	1724.3	1776.2	1928.5	2131.6	2233.1	1846.3	1072.8	492.7
100°	2184.9	1937.3	2184.9	2432.5	2494.4	2483.3	2468.5	2461.0	2031.8	1173.4	529.6
102.5°	2842.5	2630.4	2842.5	3054.5	3107.6	2913.5	2654.8	2525.5	2090.2	1219.6	566.6
105°	3680.8	3566.8	3680.8	3794.8	3823.3	3388.4	2808.3	2518.3	2096.8	1253.8	621.5
107.5°	4230.0	4257.5	4230.0	4202.4	4195.5	3588.7	2779.7	2375.1	2003.4	1260.1	702.7
110°	4439.4	4558.2	4439.4	4320.6	4290.9	3612.5	2708.1	2255.8	1920.7	1250.5	748.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4458.1	4640.5	4458.1	4275.7	4230.1	3535.9	2610.2	2147.3	1848.5	1251.0	802.8
115°	4339.9	4592.7	4339.9	4086.9	4023.7	3354.9	2463.1	2017.3	1765.6	1262.5	885.2
117.5°	4089.2	4369.7	4089.2	3808.7	3738.6	3135.0	2330.2	1927.8	1713.8	1286.0	965.1
120°	3887.2	4159.7	3887.2	3614.7	3546.6	2995.1	2259.7	1892.0	1696.4	1305.1	1011.6
122.5°	3690.4	3959.3	3690.4	3421.7	3354.5	2857.9	2195.6	1864.6	1687.2	1332.6	1066.5
125°	3409.9	3657.5	3409.9	3162.3	3100.4	2678.5	2116.0	1834.8	1679.7	1369.5	1136.9
127.5°	3157.6	3366.5	3157.6	2948.6	2896.4	2534.2	2051.2	1809.7	1675.3	1406.5	1204.8
130°	3008.8	3201.8	3008.8	2815.9	2767.6	2445.2	2015.2	1800.1	1678.0	1433.5	1250.2
132.5°	2873.9	3046.8	2873.9	2701.1	2657.9	2369.2	1984.2	1791.7	1679.6	1455.3	1287.2
135°	2688.9	2838.0	2688.9	2540.0	2502.7	2260.9	1938.7	1777.5	1678.1	1479.2	1330.1
137.5°	2540.7	2662.7	2540.7	2418.8	2388.3	2183.9	1911.3	1775.1	1688.4	1515.0	1385.0
140°	2438.9	2552.9	2438.9	2324.9	2296.4	2119.8	1884.4	1766.7	1690.1	1536.9	1422.0
142.5°	2354.5	2452.6	2354.5	2256.4	2232.0	2076.9	1870.1	1766.7	1696.1	1555.1	1449.4
145°	2228.1	2302.3	2228.1	2153.9	2135.3	2008.5	1839.3	1754.8	1696.2	1579.0	1491.2
147.5°	2131.1	2192.6	2131.1	2069.6	2054.3	1954.4	1821.4	1754.8	1707.9	1614.0	1543.7
150°	2070.0	2119.8	2070.0	2020.1	2007.7	1923.4	1811.0	1754.8	1714.0	1632.4	1571.1
152.5°	2017.7	2055.4	2017.7	1980.1	1970.7	1898.7	1802.8	1754.8	1717.9	1644.2	1589.0
155°	1957.7	1982.6	1957.7	1932.7	1926.5	1869.3	1793.0	1754.8	1726.7	1670.5	1628.4
157.5°	1910.3	1927.8	1910.3	1892.8	1888.4	1843.8	1784.5	1754.8	1735.5	1696.8	1667.7
160°	1881.9	1892.0	1881.9	1871.8	1869.3	1831.1	1780.3	1754.8	1739.4	1708.7	1685.6
162.5°	1863.3	1872.9	1863.3	1853.8	1851.4	1819.2	1776.2	1754.8	1743.6	1721.4	1704.6
165°	1836.6	1846.6	1836.6	1826.4	1824.0	1800.9	1770.2	1754.8	1749.8	1739.6	1732.1
167.5°	1817.4	1821.6	1817.4	1813.1	1812.1	1797.0	1776.8	1766.7	1762.5	1754.0	1747.7
170°	1812.1	1812.1	1812.1	1812.1	1812.1	1797.0	1776.8	1766.7	1766.4	1765.9	1765.5
172.5°	1797.9	1794.1	1797.9	1801.6	1802.5	1790.6	1774.6	1766.7	1766.7	1766.7	1766.7
175°	1789.3	1789.3	1789.3	1789.3	1789.3	1781.8	1771.8	1766.7	1769.1	1773.9	1777.5
177.5°	1781.7	1777.5	1781.7	1785.9	1787.0	1781.0	1773.1	1769.1	1771.0	1774.7	1777.5
180°	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9
2.5°	5202.6	5173.6	5173.6	5125.0	5105.6	5091.1	5066.8	4994.0	4974.5	4955.1	4984.3
5°	5246.3	5193.0	5154.1	5066.8	4994.0	4964.9	4872.6	4697.9	4581.4	4494.1	4445.6
7.5°	5256.1	5188.1	5115.3	4979.4	4804.7	4727.0	4445.6	4125.2	4037.9	3960.2	3911.7
10°	5246.3	5168.7	5066.8	4863.0	4450.4	4314.5	4033.1	3824.4	3770.9	3756.4	3770.9
12.5°	5212.4	5139.6	4998.8	4659.1	4081.5	3989.4	3824.4	3703.0	3693.3	3717.6	3848.6
15°	5154.1	5086.2	4921.2	4387.3	3877.7	3809.8	3693.3	3649.6	3703.0	3872.9	4266.0
17.5°	5095.9	5018.2	4814.4	4120.4	3722.5	3673.9	3591.4	3678.8	3979.6	4207.7	4338.8
20°	5018.2	4926.0	4693.1	3926.3	3610.8	3567.1	3528.3	3921.4	4149.5	4232.0	4304.8
22.5°	4926.0	4828.9	4528.1	3790.3	3494.4	3460.3	3484.6	4057.3	4149.5	4207.7	4270.8
25°	4804.7	4722.2	4333.9	3683.6	3402.1	3363.3	3455.5	4042.7	4096.1	4110.7	4236.9
27.5°	4693.1	4586.3	4130.1	3586.5	3290.5	3275.9	3479.7	3979.6	4018.5	4033.1	4168.9
30°	4557.2	4397.0	3902.0	3484.6	3174.0	3169.1	3484.6	3902.0	3892.3	3931.1	4067.0
32.5°	4416.4	4115.6	3644.8	3358.4	3062.4	3057.6	3450.7	3785.5	3775.8	3829.2	3931.1
35°	4285.4	3897.1	3295.3	3212.8	2921.6	2926.5	3368.2	3649.6	3654.5	3703.0	3766.1
37.5°	4149.5	3707.8	2912.0	3052.7	2785.8	2785.8	3256.5	3523.4	3513.8	3528.3	3615.7
40°	3989.4	3411.8	2572.2	2844.0	2659.6	2645.0	3120.7	3387.6	3353.6	3348.8	3470.1
42.5°	3819.5	3086.6	2319.8	2567.3	2514.0	2494.6	2955.6	3222.6	3159.5	3174.0	3329.3
45°	3635.1	2999.3	2125.7	2169.4	2363.5	2349.0	2776.0	3033.3	2989.6	3028.4	3188.5
47.5°	3450.7	2824.6	2062.7	1800.5	2203.4	2198.5	2577.1	2848.9	2824.6	2863.4	3033.3
50°	3198.3	2630.4	2057.8	1543.4	2023.8	2043.2	2339.2	2669.2	2669.2	2703.3	2882.8
52.5°	2873.1	2392.7	1868.5	1397.8	1815.1	1873.4	2130.5	2514.0	2523.6	2557.7	2717.8
55°	2577.1	2145.2	1732.6	1286.1	1567.6	1693.7	1926.7	2353.8	2373.3	2407.2	2552.8
57.5°	2305.3	1786.0	1703.5	1155.0	1339.5	1460.9	1747.2	2198.5	2208.3	2237.3	2378.0
60°	2014.1	1291.0	1562.8	1014.3	1140.5	1232.8	1582.2	2014.1	2048.0	2067.4	2188.8
62.5°	1684.1	936.7	1417.2	917.3	1043.5	1062.9	1446.2	1839.3	1883.0	1897.6	1970.4
65°	1198.7	786.2	1203.6	834.8	941.6	946.3	1300.6	1659.8	1698.6	1722.9	1776.2
67.5°	810.5	640.6	917.3	757.1	863.8	868.7	1159.9	1451.1	1504.5	1524.0	1557.9
70°	563.0	427.0	679.4	674.6	776.6	786.2	1009.4	1261.8	1310.4	1324.9	1344.3
72.5°	412.5	344.5	563.0	606.7	684.3	694.1	854.2	1048.3	1096.8	1111.4	1121.1
75°	315.5	363.9	456.2	529.0	582.4	587.3	698.8	854.2	888.1	897.9	902.7
77.5°	252.4	339.8	334.9	427.0	475.6	466.0	548.5	660.0	689.2	689.2	689.2
80°	189.3	266.9	252.4	305.7	349.4	339.8	393.1	470.7	480.5	490.1	485.4
82.5°	140.7	169.9	169.9	194.2	233.0	223.2	262.0	305.7	305.7	305.7	315.5
85°	87.4	97.0	77.6	101.9	131.1	126.2	145.6	165.0	169.9	169.9	160.1
87.5°	53.3	43.7	24.3	38.8	58.2	58.2	68.0	72.8	68.0	68.0	68.0
90°	31.0	21.5	12.0	21.5	31.0	33.4	52.5	77.9	90.6	80.6	60.4
92.5°	209.9	128.8	47.7	128.8	209.9	230.2	323.7	448.3	510.6	447.5	321.3
95°	411.5	263.0	114.5	263.0	411.5	448.6	796.4	1260.4	1492.3	1331.7	1010.4
97.5°	459.9	329.0	198.0	329.0	459.9	492.7	1072.8	1846.3	2233.1	2131.6	1928.5
100°	499.9	381.2	262.4	381.2	499.9	529.6	1173.4	2031.8	2461.0	2468.5	2483.3
102.5°	538.9	428.1	317.3	428.1	538.9	566.6	1219.6	2090.2	2525.5	2654.8	2913.5
105°	598.1	504.2	410.4	504.2	598.1	621.5	1253.8	2096.8	2518.3	2808.3	3388.4
107.5°	680.8	593.3	505.8	593.3	680.8	702.7	1260.1	2003.4	2375.1	2779.7	3588.7
110°	728.2	649.2	570.3	649.2	728.2	748.0	1250.5	1920.7	2255.8	2708.1	3612.5



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	784.0	708.8	633.4	708.8	784.0	802.8	1251.0	1848.5	2147.3	2610.2	3535.9
115°	867.8	798.4	728.9	798.4	867.8	885.2	1262.5	1765.6	2017.3	2463.1	3354.9
117.5°	949.3	886.2	823.1	886.2	949.3	965.1	1286.0	1713.8	1927.8	2330.2	3135.0
120°	996.8	937.4	878.0	937.4	996.8	1011.6	1305.1	1696.4	1892.0	2259.7	2995.1
122.5°	1051.5	991.7	931.7	991.7	1051.5	1066.5	1332.6	1687.2	1864.6	2195.6	2857.9
125°	1123.2	1068.6	1014.0	1068.6	1123.2	1136.9	1369.5	1679.7	1834.8	2116.0	2678.5
127.5°	1191.1	1135.9	1080.8	1135.9	1191.1	1204.8	1406.5	1675.3	1809.7	2051.2	2534.2
130°	1235.3	1176.0	1116.6	1176.0	1235.3	1250.2	1433.5	1678.0	1800.1	2015.2	2445.2
132.5°	1272.3	1213.0	1153.6	1213.0	1272.3	1287.2	1455.3	1679.6	1791.7	1984.2	2369.2
135°	1316.6	1262.5	1208.5	1262.5	1316.6	1330.1	1479.2	1678.1	1777.5	1938.7	2260.9
137.5°	1371.6	1318.0	1264.5	1318.0	1371.6	1385.0	1515.0	1688.4	1775.1	1911.3	2183.9
140°	1409.6	1360.4	1311.1	1360.4	1409.6	1422.0	1536.9	1690.1	1766.7	1884.4	2119.8
142.5°	1438.0	1392.4	1346.8	1392.4	1438.0	1449.4	1555.1	1696.1	1766.7	1870.1	2076.9
145°	1481.2	1441.5	1401.7	1441.5	1481.2	1491.2	1579.0	1696.2	1754.8	1839.3	2008.5
147.5°	1534.0	1495.3	1456.6	1495.3	1534.0	1543.7	1614.0	1707.9	1754.8	1821.4	1954.4
150°	1562.3	1527.3	1492.3	1527.3	1562.3	1571.1	1632.4	1714.0	1754.8	1811.0	1923.4
152.5°	1582.4	1555.8	1529.3	1555.8	1582.4	1589.0	1644.2	1717.9	1754.8	1802.8	1898.7
155°	1623.5	1603.8	1584.2	1603.8	1623.5	1628.4	1670.5	1726.7	1754.8	1793.0	1869.3
157.5°	1663.0	1643.8	1624.7	1643.8	1663.0	1667.7	1696.8	1735.5	1754.8	1784.5	1843.8
160°	1681.9	1667.1	1652.2	1667.1	1681.9	1685.6	1708.7	1739.4	1754.8	1780.3	1831.1
162.5°	1701.9	1690.7	1679.6	1690.7	1701.9	1704.6	1721.4	1743.6	1754.8	1776.2	1819.2
165°	1729.6	1719.5	1709.4	1719.5	1729.6	1732.1	1739.6	1749.8	1754.8	1770.2	1800.9
167.5°	1746.4	1741.6	1736.9	1741.6	1746.4	1747.7	1754.0	1762.5	1766.7	1776.8	1797.0
170°	1764.4	1759.6	1754.8	1759.6	1764.4	1765.5	1765.9	1766.4	1766.7	1776.8	1797.0
172.5°	1766.4	1765.3	1764.3	1765.3	1766.4	1766.7	1766.7	1766.7	1766.7	1774.6	1790.6
175°	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1773.9	1769.1	1766.7	1771.8	1781.8
177.5°	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1774.7	1771.0	1769.1	1773.1	1781.0
180°	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9
2.5°	4950.3	4935.7	4955.1	4901.8	4955.1	4935.7	4950.3	4984.3	4955.1	4974.5	4994.0
5°	4343.7	4319.4	4241.7	4178.7	4241.7	4319.4	4343.7	4445.6	4494.1	4581.4	4697.9
7.5°	3882.6	3863.2	3843.8	3805.0	3843.8	3863.2	3882.6	3911.7	3960.2	4037.9	4125.2
10°	3780.7	3785.5	3814.6	3809.8	3814.6	3785.5	3780.7	3770.9	3756.4	3770.9	3824.4
12.5°	4042.7	4086.4	4246.6	4236.9	4246.6	4086.4	4042.7	3848.6	3717.6	3693.3	3703.0
15°	4343.7	4358.2	4392.2	4397.0	4392.2	4358.2	4343.7	4266.0	3872.9	3703.0	3649.6
17.5°	4372.7	4377.6	4401.9	4401.9	4401.9	4377.6	4372.7	4338.8	4207.7	3979.6	3678.8
20°	4348.5	4358.2	4406.8	4416.4	4406.8	4358.2	4348.5	4304.8	4232.0	4149.5	3921.4
22.5°	4338.8	4358.2	4397.0	4392.2	4397.0	4358.2	4338.8	4270.8	4207.7	4149.5	4057.3
25°	4290.2	4290.2	4295.1	4300.0	4295.1	4290.2	4290.2	4236.9	4110.7	4096.1	4042.7
27.5°	4188.3	4198.1	4227.1	4222.3	4227.1	4198.1	4188.3	4168.9	4033.1	4018.5	3979.6
30°	4096.1	4086.4	4062.1	4042.7	4062.1	4086.4	4096.1	4067.0	3931.1	3892.3	3902.0
32.5°	3940.8	3916.5	3892.3	3877.7	3892.3	3916.5	3940.8	3931.1	3829.2	3775.8	3785.5
35°	3756.4	3761.3	3756.4	3741.9	3756.4	3761.3	3756.4	3766.1	3703.0	3654.5	3649.6
37.5°	3625.3	3635.1	3630.2	3610.8	3630.2	3635.1	3625.3	3615.7	3528.3	3513.8	3523.4
40°	3489.5	3494.4	3489.5	3474.9	3489.5	3494.4	3489.5	3470.1	3348.8	3353.6	3387.6
42.5°	3358.4	3353.6	3339.0	3329.3	3339.0	3353.6	3358.4	3329.3	3174.0	3159.5	3222.6
45°	3208.0	3212.8	3183.7	3169.1	3183.7	3212.8	3208.0	3188.5	3028.4	2989.6	3033.3
47.5°	3057.6	3057.6	3033.3	3018.7	3033.3	3057.6	3057.6	3033.3	2863.4	2824.6	2848.9
50°	2897.3	2892.6	2858.5	2853.7	2858.5	2892.6	2897.3	2882.8	2703.3	2669.2	2669.2
52.5°	2712.9	2712.9	2717.8	2727.5	2717.8	2712.9	2712.9	2717.8	2557.7	2523.6	2514.0
55°	2552.8	2557.7	2591.6	2601.4	2591.6	2557.7	2552.8	2552.8	2407.2	2373.3	2353.8
57.5°	2387.8	2387.8	2412.1	2412.1	2412.1	2387.8	2387.8	2378.0	2237.3	2208.3	2198.5
60°	2198.5	2208.3	2227.7	2222.8	2227.7	2208.3	2198.5	2188.8	2067.4	2048.0	2014.1
62.5°	1999.6	2009.2	2014.1	2004.3	2014.1	2009.2	1999.6	1970.4	1897.6	1883.0	1839.3
65°	1790.9	1800.5	1805.4	1795.7	1805.4	1800.5	1790.9	1776.2	1722.9	1698.6	1659.8
67.5°	1577.3	1572.4	1567.6	1587.0	1567.6	1572.4	1577.3	1557.9	1524.0	1504.5	1451.1
70°	1358.9	1358.9	1354.1	1363.7	1354.1	1358.9	1358.9	1344.3	1324.9	1310.4	1261.8
72.5°	1126.0	1121.1	1140.5	1126.0	1140.5	1121.1	1126.0	1121.1	1111.4	1096.8	1048.3
75°	897.9	907.5	897.9	912.4	897.9	907.5	897.9	902.7	897.9	888.1	854.2
77.5°	684.3	694.1	684.3	684.3	684.3	694.1	684.3	689.2	689.2	689.2	660.0
80°	485.4	480.5	480.5	475.6	480.5	480.5	485.4	485.4	490.1	480.5	470.7
82.5°	310.6	305.7	305.7	315.5	305.7	305.7	310.6	315.5	305.7	305.7	305.7
85°	169.9	174.8	165.0	165.0	165.0	174.8	169.9	160.1	169.9	169.9	165.0
87.5°	63.1	58.2	58.2	58.2	58.2	58.2	63.1	68.0	68.0	68.0	72.8
90°	45.3	45.3	45.3	45.3	45.3	45.3	45.3	60.4	80.6	90.6	77.9
92.5°	226.7	217.7	181.5	145.5	181.5	217.7	226.7	321.3	447.5	510.6	448.3
95°	769.4	742.0	632.9	523.7	632.9	742.0	769.4	1010.4	1331.7	1492.3	1260.4
97.5°	1776.2	1724.3	1516.5	1308.7	1516.5	1724.3	1776.2	1928.5	2131.6	2233.1	1846.3
100°	2494.4	2432.5	2184.9	1937.3	2184.9	2432.5	2494.4	2483.3	2468.5	2461.0	2031.8
102.5°	3107.6	3054.5	2842.5	2630.4	2842.5	3054.5	3107.6	2913.5	2654.8	2525.5	2090.2
105°	3823.3	3794.8	3680.8	3566.8	3680.8	3794.8	3823.3	3388.4	2808.3	2518.3	2096.8
107.5°	4195.5	4202.4	4230.0	4257.5	4230.0	4202.4	4195.5	3588.7	2779.7	2375.1	2003.4
110°	4290.9	4320.6	4439.4	4558.2	4439.4	4320.6	4290.9	3612.5	2708.1	2255.8	1920.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4230.1	4275.7	4458.1	4640.5	4458.1	4275.7	4230.1	3535.9	2610.2	2147.3	1848.5
115°	4023.7	4086.9	4339.9	4592.7	4339.9	4086.9	4023.7	3354.9	2463.1	2017.3	1765.6
117.5°	3738.6	3808.7	4089.2	4369.7	4089.2	3808.7	3738.6	3135.0	2330.2	1927.8	1713.8
120°	3546.6	3614.7	3887.2	4159.7	3887.2	3614.7	3546.6	2995.1	2259.7	1892.0	1696.4
122.5°	3354.5	3421.7	3690.4	3959.3	3690.4	3421.7	3354.5	2857.9	2195.6	1864.6	1687.2
125°	3100.4	3162.3	3409.9	3657.5	3409.9	3162.3	3100.4	2678.5	2116.0	1834.8	1679.7
127.5°	2896.4	2948.6	3157.6	3366.5	3157.6	2948.6	2896.4	2534.2	2051.2	1809.7	1675.3
130°	2767.6	2815.9	3008.8	3201.8	3008.8	2815.9	2767.6	2445.2	2015.2	1800.1	1678.0
132.5°	2657.9	2701.1	2873.9	3046.8	2873.9	2701.1	2657.9	2369.2	1984.2	1791.7	1679.6
135°	2502.7	2540.0	2688.9	2838.0	2688.9	2540.0	2502.7	2260.9	1938.7	1777.5	1678.1
137.5°	2388.3	2418.8	2540.7	2662.7	2540.7	2418.8	2388.3	2183.9	1911.3	1775.1	1688.4
140°	2296.4	2324.9	2438.9	2552.9	2438.9	2324.9	2296.4	2119.8	1884.4	1766.7	1690.1
142.5°	2232.0	2256.4	2354.5	2452.6	2354.5	2256.4	2232.0	2076.9	1870.1	1766.7	1696.1
145°	2135.3	2153.9	2228.1	2302.3	2228.1	2153.9	2135.3	2008.5	1839.3	1754.8	1696.2
147.5°	2054.3	2069.6	2131.1	2192.6	2131.1	2069.6	2054.3	1954.4	1821.4	1754.8	1707.9
150°	2007.7	2020.1	2070.0	2119.8	2070.0	2020.1	2007.7	1923.4	1811.0	1754.8	1714.0
152.5°	1970.7	1980.1	2017.7	2055.4	2017.7	1980.1	1970.7	1898.7	1802.8	1754.8	1717.9
155°	1926.5	1932.7	1957.7	1982.6	1957.7	1932.7	1926.5	1869.3	1793.0	1754.8	1726.7
157.5°	1888.4	1892.8	1910.3	1927.8	1910.3	1892.8	1888.4	1843.8	1784.5	1754.8	1735.5
160°	1869.3	1871.8	1881.9	1892.0	1881.9	1871.8	1869.3	1831.1	1780.3	1754.8	1739.4
162.5°	1851.4	1853.8	1863.3	1872.9	1863.3	1853.8	1851.4	1819.2	1776.2	1754.8	1743.6
165°	1824.0	1826.4	1836.6	1846.6	1836.6	1826.4	1824.0	1800.9	1770.2	1754.8	1749.8
167.5°	1812.1	1813.1	1817.4	1821.6	1817.4	1813.1	1812.1	1797.0	1776.8	1766.7	1762.5
170°	1812.1	1812.1	1812.1	1812.1	1812.1	1812.1	1812.1	1797.0	1776.8	1766.7	1766.4
172.5°	1802.5	1801.6	1797.9	1794.1	1797.9	1801.6	1802.5	1790.6	1774.6	1766.7	1766.7
175°	1789.3	1789.3	1789.3	1789.3	1789.3	1789.3	1789.3	1781.8	1771.8	1766.7	1769.1
177.5°	1787.0	1785.9	1781.7	1777.5	1781.7	1785.9	1787.0	1781.0	1773.1	1769.1	1771.0
180°	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5	1777.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5129.9	5129.9	5129.9	5129.9	5129.9
2.5°	5066.8	5091.1	5105.6	5125.0	5173.6
5°	4872.6	4964.9	4994.0	5066.8	5154.1
7.5°	4445.6	4727.0	4804.7	4979.4	5115.3
10°	4033.1	4314.5	4450.4	4863.0	5066.8
12.5°	3824.4	3989.4	4081.5	4659.1	4998.8
15°	3693.3	3809.8	3877.7	4387.3	4921.2
17.5°	3591.4	3673.9	3722.5	4120.4	4814.4
20°	3528.3	3567.1	3610.8	3926.3	4693.1
22.5°	3484.6	3460.3	3494.4	3790.3	4528.1
25°	3455.5	3363.3	3402.1	3683.6	4333.9
27.5°	3479.7	3275.9	3290.5	3586.5	4130.1
30°	3484.6	3169.1	3174.0	3484.6	3902.0
32.5°	3450.7	3057.6	3062.4	3358.4	3644.8
35°	3368.2	2926.5	2921.6	3212.8	3295.3
37.5°	3256.5	2785.8	2785.8	3052.7	2912.0
40°	3120.7	2645.0	2659.6	2844.0	2572.2
42.5°	2955.6	2494.6	2514.0	2567.3	2319.8
45°	2776.0	2349.0	2363.5	2169.4	2125.7
47.5°	2577.1	2198.5	2203.4	1800.5	2062.7
50°	2339.2	2043.2	2023.8	1543.4	2057.8
52.5°	2130.5	1873.4	1815.1	1397.8	1868.5
55°	1926.7	1693.7	1567.6	1286.1	1732.6
57.5°	1747.2	1460.9	1339.5	1155.0	1703.5
60°	1582.2	1232.8	1140.5	1014.3	1562.8
62.5°	1446.2	1062.9	1043.5	917.3	1417.2
65°	1300.6	946.3	941.6	834.8	1203.6
67.5°	1159.9	868.7	863.8	757.1	917.3
70°	1009.4	786.2	776.6	674.6	679.4
72.5°	854.2	694.1	684.3	606.7	563.0
75°	698.8	587.3	582.4	529.0	456.2
77.5°	548.5	466.0	475.6	427.0	334.9
80°	393.1	339.8	349.4	305.7	252.4
82.5°	262.0	223.2	233.0	194.2	169.9
85°	145.6	126.2	131.1	101.9	77.6
87.5°	68.0	58.2	58.2	38.8	24.3
90°	52.5	33.4	31.0	21.5	12.0
92.5°	323.7	230.2	209.9	128.8	47.7
95°	796.4	448.6	411.5	263.0	114.5
97.5°	1072.8	492.7	459.9	329.0	198.0
100°	1173.4	529.6	499.9	381.2	262.4
102.5°	1219.6	566.6	538.9	428.1	317.3
105°	1253.8	621.5	598.1	504.2	410.4
107.5°	1260.1	702.7	680.8	593.3	505.8
110°	1250.5	748.0	728.2	649.2	570.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1251.0	802.8	784.0	708.8	633.4
115°	1262.5	885.2	867.8	798.4	728.9
117.5°	1286.0	965.1	949.3	886.2	823.1
120°	1305.1	1011.6	996.8	937.4	878.0
122.5°	1332.6	1066.5	1051.5	991.7	931.7
125°	1369.5	1136.9	1123.2	1068.6	1014.0
127.5°	1406.5	1204.8	1191.1	1135.9	1080.8
130°	1433.5	1250.2	1235.3	1176.0	1116.6
132.5°	1455.3	1287.2	1272.3	1213.0	1153.6
135°	1479.2	1330.1	1316.6	1262.5	1208.5
137.5°	1515.0	1385.0	1371.6	1318.0	1264.5
140°	1536.9	1422.0	1409.6	1360.4	1311.1
142.5°	1555.1	1449.4	1438.0	1392.4	1346.8
145°	1579.0	1491.2	1481.2	1441.5	1401.7
147.5°	1614.0	1543.7	1534.0	1495.3	1456.6
150°	1632.4	1571.1	1562.3	1527.3	1492.3
152.5°	1644.2	1589.0	1582.4	1555.8	1529.3
155°	1670.5	1628.4	1623.5	1603.8	1584.2
157.5°	1696.8	1667.7	1663.0	1643.8	1624.7
160°	1708.7	1685.6	1681.9	1667.1	1652.2
162.5°	1721.4	1704.6	1701.9	1690.7	1679.6
165°	1739.6	1732.1	1729.6	1719.5	1709.4
167.5°	1754.0	1747.7	1746.4	1741.6	1736.9
170°	1765.9	1765.5	1764.4	1759.6	1754.8
172.5°	1766.7	1766.7	1766.4	1765.3	1764.3
175°	1773.9	1777.5	1777.5	1777.5	1777.5
177.5°	1774.7	1777.5	1777.5	1777.5	1777.5
180°	1777.5	1777.5	1777.5	1777.5	1777.5



TEST NUMBER: P935309
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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	14.74	15.64	15.67	16.58	17.80	17.59	18.49	18.52	19.43	20.65
	3H	15.22	16.02	16.16	16.98	18.22	18.95	19.75	19.89	20.70	21.95
	4H	15.41	16.17	16.37	17.13	18.38	19.40	20.16	20.35	21.11	22.37
	6H	15.53	16.23	16.50	17.20	18.46	19.69	20.39	20.65	21.35	22.62
	8H	15.54	16.20	16.51	17.18	18.44	19.77	20.43	20.74	21.41	22.68
	12H	15.51	16.14	16.48	17.12	18.40	19.81	20.44	20.79	21.42	22.71
4H	2H	15.78	16.54	16.74	17.50	18.75	18.01	18.76	18.96	19.72	20.97
	3H	16.81	17.45	17.78	18.43	19.70	19.52	20.15	20.49	21.14	22.41
	4H	17.09	17.67	18.07	18.65	19.94	20.05	20.63	21.03	21.61	22.90
	6H	17.22	17.72	18.21	18.72	20.01	20.43	20.92	21.42	21.93	23.22
	8H	17.23	17.69	18.22	18.69	19.99	20.54	21.00	21.53	22.00	23.30
	12H	17.19	17.61	18.20	18.63	19.94	20.60	21.02	21.61	22.03	23.34
8H	4H	17.55	18.02	18.54	19.01	20.32	20.18	20.65	21.17	21.64	22.95
	6H	17.81	18.20	18.83	19.24	20.54	20.63	21.01	21.64	22.05	23.35
	8H	17.86	18.20	18.88	19.22	20.54	20.78	21.12	21.81	22.15	23.47
	12H	17.84	18.14	18.87	19.16	20.53	20.88	21.18	21.91	22.20	23.57
12H	4H	17.56	17.98	18.57	18.99	20.30	20.15	20.57	21.16	21.58	22.89
	6H	17.88	18.22	18.90	19.24	20.56	20.62	20.96	21.65	21.99	23.31
	8H	17.94	18.24	18.97	19.26	20.63	20.79	21.09	21.82	22.11	23.47