

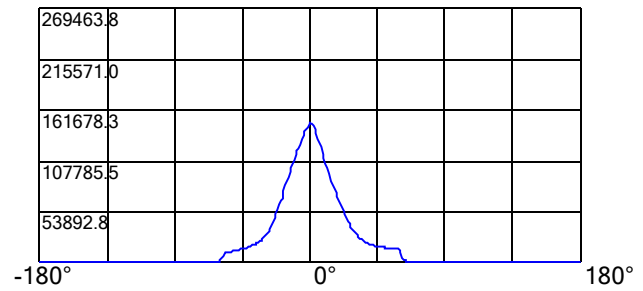
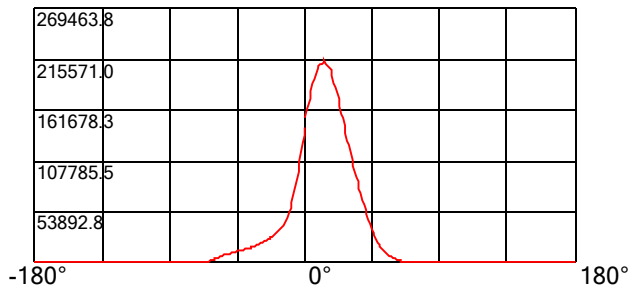
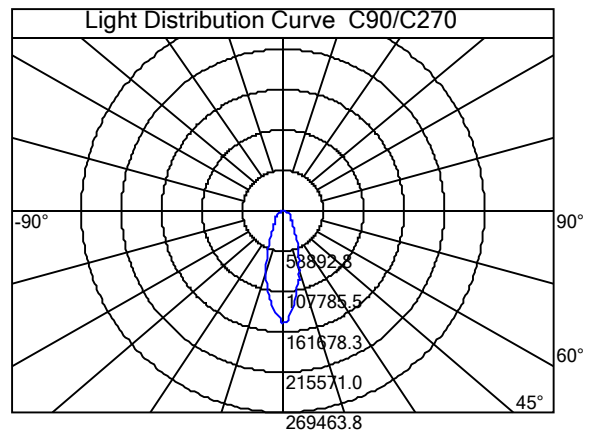
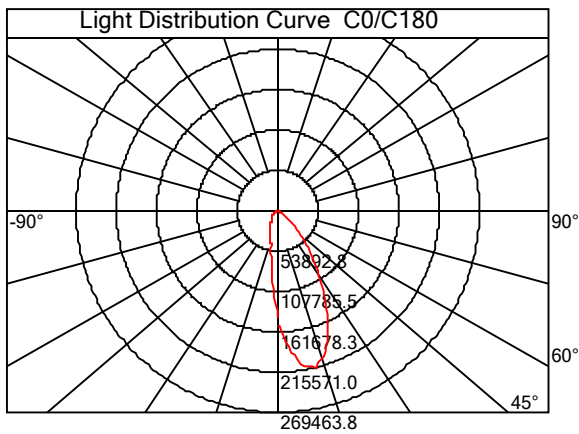
Lamp : MH2000W Clear Tube
 Number of Lamps : 1
 Sum Lumens : 189000.0 lm
 Length : 0 mm

Voltage : 240.290 V
 Current : 9.367A
 Power : 1996.700 W
 PF : 0.887
 Width : 0 mm
 Height : 0 mm

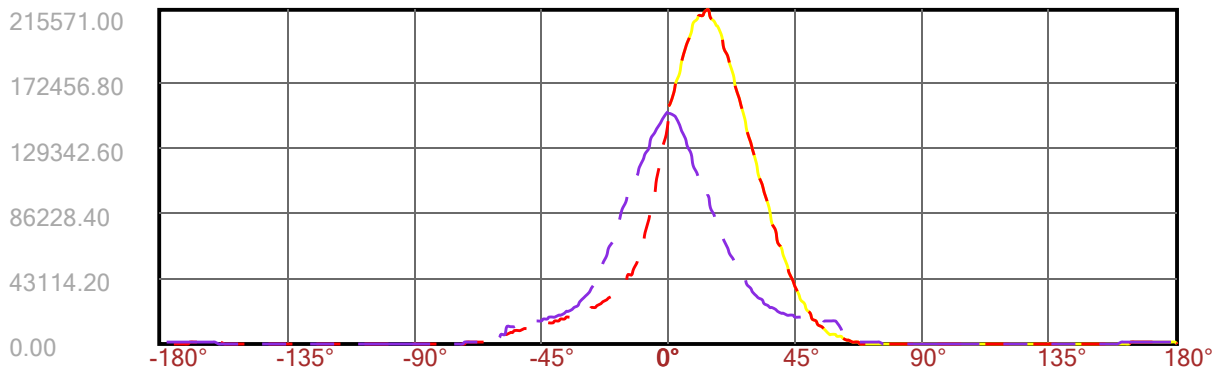
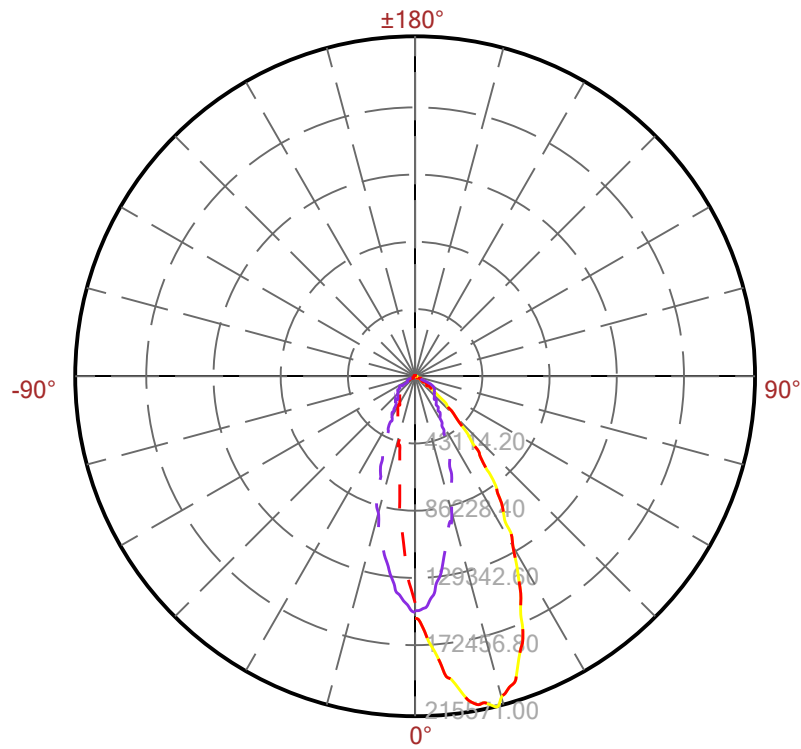
Photometric Results




Lumens(lm) : 115596.70
 Light Output Ratio(LOR)61.16%
 Effective flux(lm) : 87196.70
 Central intensity(cd) : 153297.900
 Beam Angle(50%Imax):C0_180[32.2,3.9] C90_270[17.7,18.2]
 Field angle(10%Imax) :C0_180[49.2,28.9] C90_270[56.7,46.0]
 Beam angle of C0plane 40.04

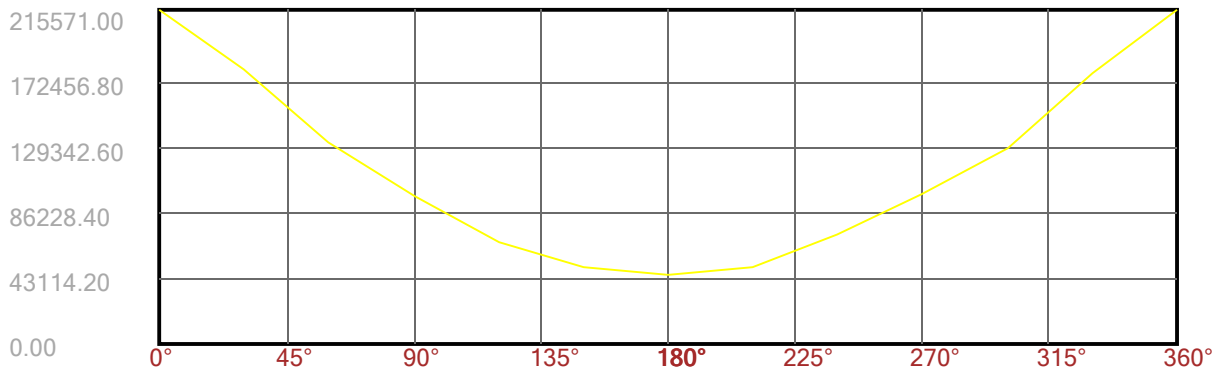
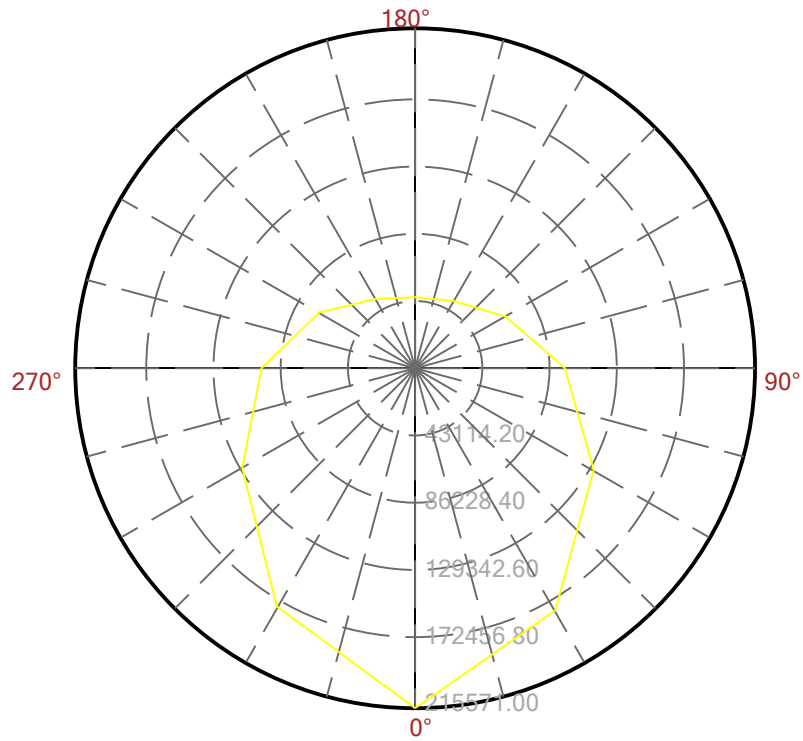
Maximum intensity : 215571.000 cd
 Angle of maximum intensity :C=0.0 γ=14.0
 IES Nema Type : Type5H×5V

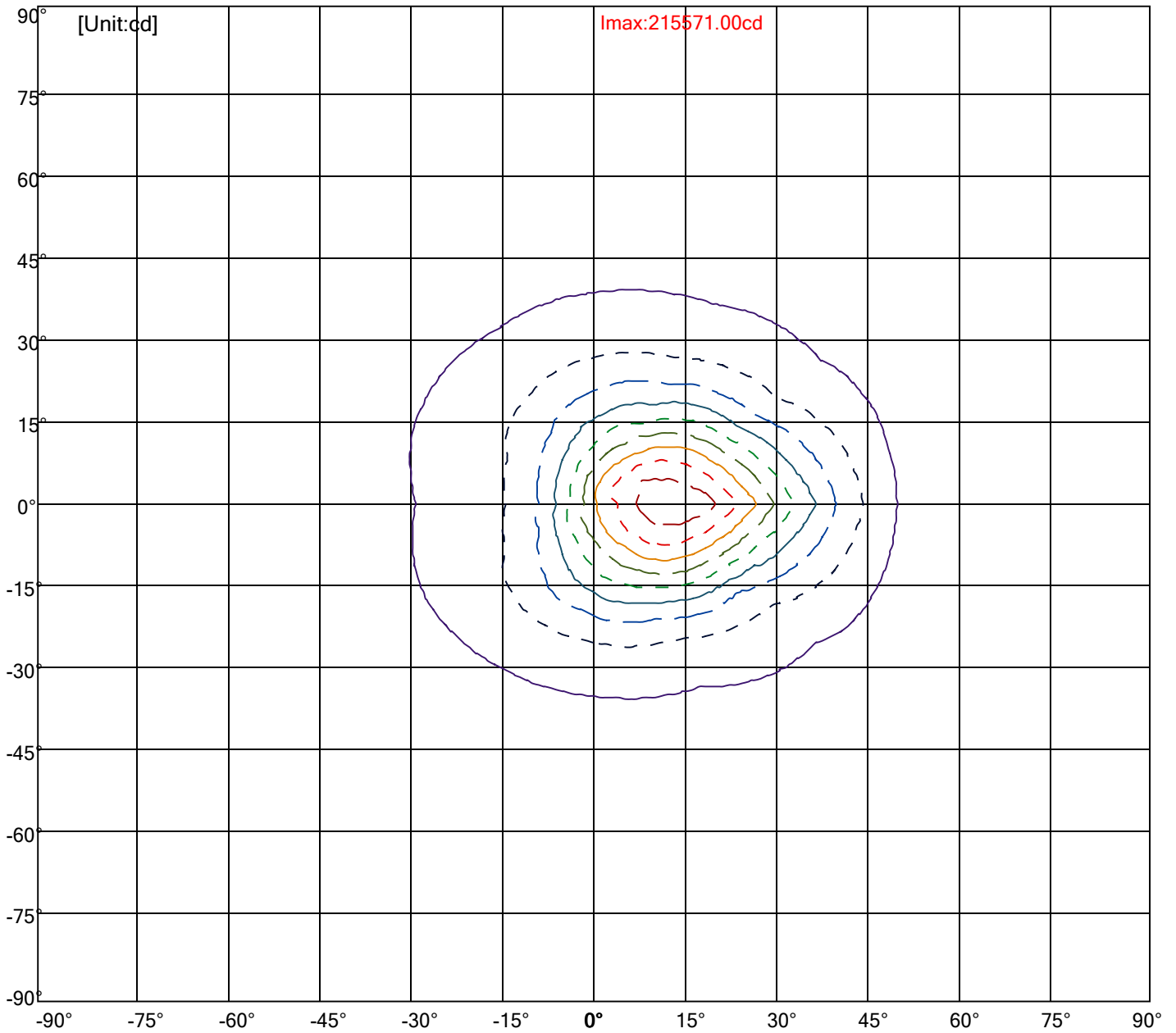


V \ H	H																		---	Total	
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80			90
-90	0.0	0.1	0.1	0.2	0.4	0.7	1.0	1.2	1.3	1.3	1.1	0.9	0.6	0.3	0.1	0.0	0.1	0.0		9.6	
-80	0.0	0.3	0.9	2.5	5.0	8.1	11.1	13.1	13.9	14.0	13.3	11.5	8.1	4.6	2.0	0.6	0.1	0.0		109.2	
-70	0.1	0.6	2.8	7.5	13.8	20.6	27.9	35.9	40.8	44.8	44.8	32.5	20.1	11.8	6.1	2.1	0.4	0.0		312.6	
-60	0.1	1.2	5.1	13.1	27.6	79.6	176.0	258.9	298.3	305.4	283.7	223.4	128.2	42.3	10.2	3.7	0.8	0.0		1857.7	
-50	0.1	1.7	7.7	23.2	108.4	255.7	354.1	418.9	461.1	470.1	440.3	377.7	282.2	162.9	37.3	5.0	1.2	0.1		3407.5	
-40	0.2	2.1	10.3	58.3	212.4	324.4	425.9	534.6	640.5	678.9	615.7	532.0	392.4	240.5	93.4	8.2	1.5	0.1		4771.4	
-30	0.2	2.6	14.1	103.8	248.0	367.7	535.5	802.9	1195.3	1433.2	1258.2	938.4	595.7	334.1	132.4	16.7	1.6	0.1		7980.8	
-20	0.2	3.0	19.7	129.6	262.4	413.8	671.9	1186.3	2189.9	3135.0	3032.8	1964.0	1141.2	515.6	160.8	25.1	1.6	0.1		14853.3	
-10	0.3	3.1	22.8	135.6	267.8	436.5	720.5	1275.1	2887.6	4931.1	5243.1	3637.0	1932.2	740.6	182.2	28.5	1.6	0.1		22445.7	
0	0.3	3.2	23.9	137.7	270.8	442.4	721.0	1258.0	2845.9	5039.2	5305.6	3707.9	1956.0	745.3	184.4	30.5	1.6	0.1		22673.9	
10	0.3	3.1	22.6	136.1	270.1	431.9	685.0	1163.8	2096.3	3093.3	3164.9	2140.0	1192.1	528.5	167.7	31.0	1.8	0.1		15128.9	
20	0.2	2.9	17.1	118.2	258.3	391.9	571.6	850.9	1279.1	1583.4	1460.7	1066.9	638.8	352.9	146.0	24.4	1.9	0.1		8765.3	
30	0.2	2.5	12.1	78.6	231.8	348.8	462.4	589.3	731.6	799.8	730.3	599.9	430.6	263.9	120.1	13.3	1.8	0.1		5417.1	
40	0.2	2.1	9.2	35.1	156.2	305.9	402.1	474.6	529.2	544.2	510.2	442.5	337.2	213.8	66.8	6.9	1.6	0.1		4037.8	
50	0.1	1.6	6.4	16.7	48.4	158.0	300.5	394.8	448.2	455.9	421.5	360.1	233.2	86.6	16.9	5.2	1.2	0.1		2955.3	
60	0.1	1.0	4.2	10.2	18.2	29.5	53.5	84.6	107.6	118.2	111.8	73.5	32.4	16.1	8.8	3.5	0.7	0.0		673.8	
70	0.1	0.5	1.9	4.7	8.4	12.6	16.4	18.7	19.6	19.4	18.2	15.8	12.0	7.8	4.2	1.6	0.3	0.0		162.5	
80	0.0	0.2	0.5	1.1	1.8	2.7	3.5	3.9	4.1	4.1	3.9	3.4	2.5	1.6	0.8	0.3	0.1	0.0		34.5	
90																					
Total	---	2.8	31.7	181.4	1012.2	2409.8	4030.9	6140.0	9365.7	15790.4	22671.4	22660.3	16127.3	9335.5	4269.3	1340.4	206.6	19.7	1.4		115596.8

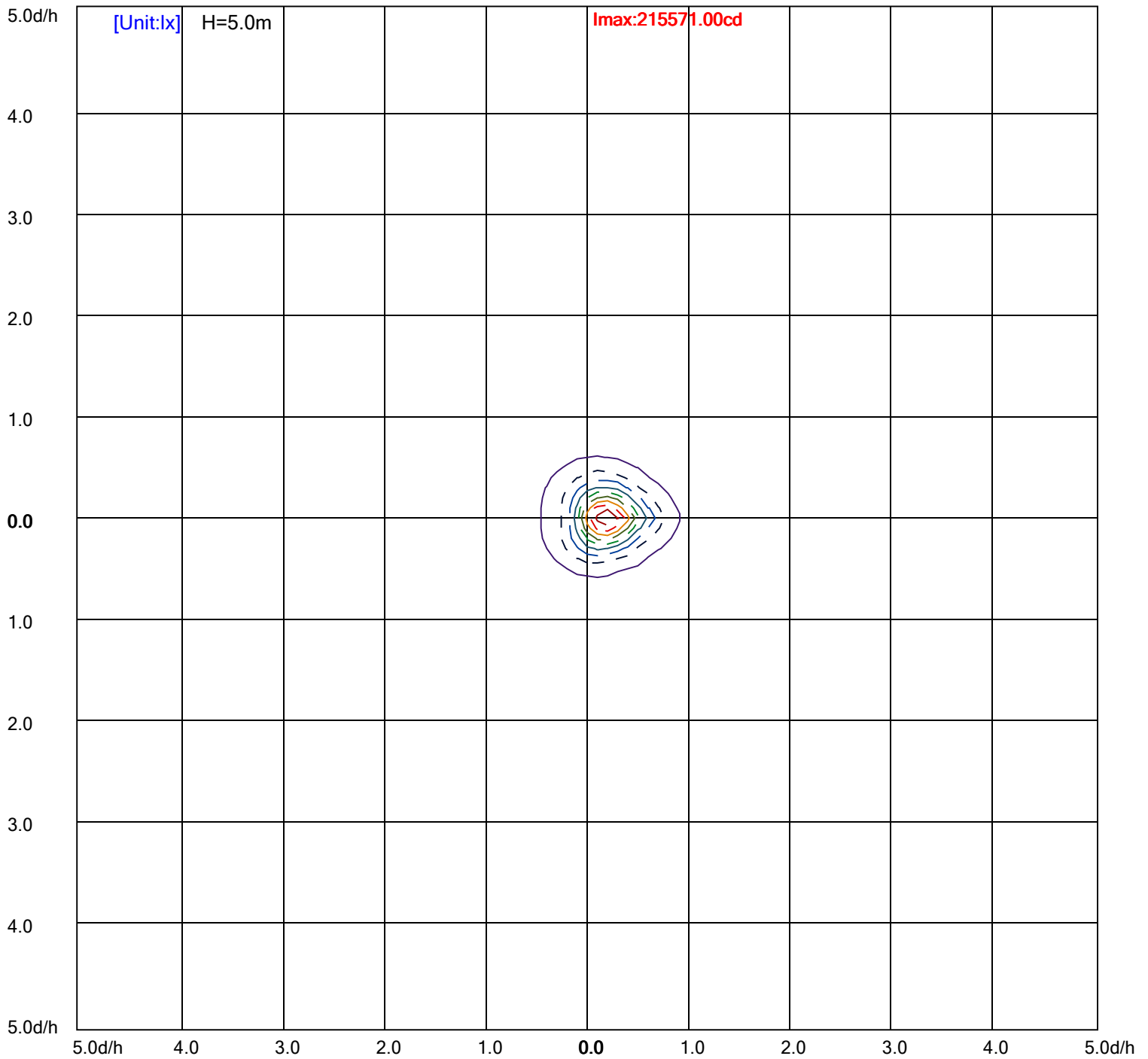


C0(Max): 
C0/C180: 
C90/C270: 





(10%Imax) 21557.1	—
(20%Imax) 43114.2	—
(30%Imax) 64671.3	—
(40%Imax) 86228.4	—
(50%Imax) 107786	—
(60%Imax) 129343	—
(70%Imax) 150900	—
(80%Imax) 172457	—
(90%Imax) 194014	—



- (10%Emax) 799.008
- (20%Emax) 1598.016
- (30%Emax) 2397.028
- (40%Emax) 3196.036
- (50%Emax) 3995.044
- (60%Emax) 4794.04
- (70%Emax) 5593.08
- (80%Emax) 6392.08
- (90%Emax) 7191.08

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	153297.9	154490.3	162009.5	168402.4	174132.9	181983.3	190429.9	194172.9	200201.5
30.0	154059.7	161181.4	169628.0	175027.2	181320.8	185096.9	187216.9	189005.5	192318.0
60.0	149488.6	155020.3	159194.0	161380.1	162407.0	162208.3	162605.7	159028.3	154656.0
90.0	148660.5	148196.8	147998.0	146076.8	141042.0	137663.4	132264.1	128189.9	122724.4
120.0	148594.3	143956.9	135410.9	130409.2	124711.9	117358.3	109110.5	102055.1	96423.97
150.0	145182.5	138127.1	128223.0	118617.1	110369.2	103148.1	95198.3	86089.2	78073.27
180.0	144155.7	134814.7	126467.4	117292.1	106294.9	96390.8	88176.0	80160.0	71614.09
210.0	150368.7	143559.4	133158.5	125573.1	116430.9	107818.6	97517.0	88109.8	80955.06
240.0	150368.7	145149.4	139849.5	134218.5	125771.8	117755.8	10567.9	102850.0	95993.35
270.0	150368.7	148561.2	144718.8	142300.7	138888.9	136437.8	132032.3	126301.8	122161.30
300.0	150368.7	150681.1	153529.8	154722.2	157637.1	157537.8	154457.2	154556.6	152304.20
330.0	150368.7	153861.0	162208.3	166911.8	171085.5	174232.3	179002.1	183275.1	183838.20
360.0	153297.9	154490.3	162009.5	168402.4	174132.9	181983.3	190429.9	194172.9	200201.50

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	206793.1	209807.4	211828.0	211927.4	213749.2	215571.0	210536.2	208482.5	206097.50
30.0	193742.3	190993.0	189303.7	185825.7	184003.8	177776.5	171648.6	167673.7	162506.40
60.0	151409.8	147964.9	141936.3	135046.6	130342.9	130243.6	118650.2	11727.3	106526.80
90.0	115536.5	101013.7	05996.8	01193.8	05496.4	95496.4	987381.1	1283373.1	1178338.27
120.0	90229.7	83439.3	78404.5	74495.8	70355.3	65850.5	62438.7	59821.9	57437.02
150.0	71879.0	66446.7	60616.9	55648.3	52269.6	49288.5	46042.3	43259.9	41438.13
180.0	64393.0	58927.6	53594.6	48758.5	44816.7	44651.1	39781.9	37231.3	35873.30
210.0	74396.5	65082.0	61935.2	57297.9	53313.0	49984.1	47112.2	44528.5	42229.79
240.0	91223.5	86851.1	82776.8	77940.7	73800.2	70951.6	65568.9	64138.0	61315.84
270.0	118782.7	14509.7	09209.8	04970.0	01790.1	07020.2	91256.6	86354.2	82180.65
300.0	147633.7	145050.0	141108.3	138226.5	133489.7	126599.9	120737.0	115669.0	109176.70
330.0	183242.0	184831.9	185428.2	182182.0	177842.8	175060.3	171615.5	164659.4	156875.30
360.0	206793.1	209807.4	211828.0	211927.4	213749.2	215571.0	210536.2	208482.5	206097.50

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	204176.4	198512.1	191026.1	185825.7	181420.2	173901.0	165454.4	158796.5	153463.50
30.0	156179.7	147401.8	139485.2	132429.8	125308.1	115934.0	107421.1	100365.7	93442.81
60.0	101856.3	95132.1	88739.2	83505.6	78735.7	74297.1	68434.1	62836.2	58364.49
90.0	74032.1	57058.7	256654.6	126194.1	885800.1	1354753.9	51309.0	848493.5	44021.80
120.0	54422.7	451044.0	948294.8	45545.5	42531.2	40510.6	38125.7	36204.5	34117.72
150.0	39649.4	37628.8	35707.6	34448.9	33124.0	31534.0	29977.2	28950.3	27857.29
180.0	34117.7	32726.5	31335.3	29281.6	28321.0	27459.8	26366.7	25041.7	23915.53
210.0	40229.1	38377.4	36582.1	34896.1	33263.1	31716.2	30252.1	28791.3	27463.11
240.0	57052.7	54263.7	49957.6	46552.4	43866.1	40666.3	37698.4	35012.0	32597.33
270.0	77178.9	68599.8	65592.1	61488.0	56436.6	51733.0	47370.6	43283.1	39526.87
300.0	101227.0	94403.4	88474.2	81783.1	74230.8	65900.2	62306.2	56502.9	51176.58
330.0	150813.6	144486.9	135543.4	126070.0	118484.6	110667.3	101491.9	92316.6	84929.94
360.0	204176.4	198512.1	191026.1	185825.7	181420.2	173901.0	165454.4	158796.5	153463.50

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	145513.7	136967.8	130409.2	124513.1	117060.2	109110.5	102850.0	97682.6	91057.88
30.0	85294.3	78040.1	72342.8	66546.1	60616.9	55018.9	50878.4	46804.2	42398.72
60.0	54190.8	48394.1	45247.3	41968.1	38986.9	35740.8	32958.3	30805.3	29116.00
90.0	41537.5	38589.4	35674.5	33786.4	31534.0	29877.8	28122.2	26333.5	24909.25
120.0	31832.1	30010.3	28652.2	267194.8	25505.4	24246.7	23352.4	22358.7	21199.36
150.0	26466.0	25273.6	24511.7	23716.7	23153.6	22126.8	21133.1	20536.8	19874.40
180.0	23286.1	22524.3	21431.2	20503.7	19940.6	19311.2	18416.9	17655.0	17125.11
210.0	26287.2	25164.3	24303.0	23282.8	22362.0	21258.9	20331.5	19384.1	18443.45
240.0	29967.2	28453.5	26714.5	25207.3	23716.7	22441.5	21325.2	20361.3	19529.91
270.0	36267.4	33375.7	31375.0	29142.5	27204.7	25180.8	24031.4	22438.2	21335.17
300.0	46386.8	41991.3	38125.7	34753.7	30225.6	29268.3	27052.3	25220.6	23680.35
330.0	78238.8	65767.7	65767.7	60043.8	54840.1	49175.8	45810.5	41408.3	38702.08
360.0	145513.7	136967.8	130409.2	124513.1	117060.2	109110.5	102850.0	97682.6	91057.88

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	86089.28	78404.52	73469.04	65400.03	61968.38	56443.30	51097.08	45939.68	41100.26
30.0	38854.46	35939.54	33389.00	30540.33	28089.15	26267.33	24611.13	22756.19	21629.97
60.0	27161.68	25339.86	24114.28	23120.55	21861.84	20768.75	20040.02	19443.79	18880.68
90.0	24014.90	22921.81	21762.47	20901.24	20371.26	19775.03	18980.05	18483.19	18185.08
120.0	20338.14	19775.03	19178.80	18317.57	17787.59	17489.47	17091.98	17091.98	16485.82
150.0	18781.31	18019.46	17555.72	17125.11	17125.11	16065.14	15541.78	15074.73	14673.93
180.0	17091.98	16055.20	15531.84	15001.86	14528.19	14084.33	13647.09	13173.42	12828.93
210.0	17840.59	17188.04	16538.81	16018.77	15561.66	15097.92	14620.93	14200.26	13822.65
240.0	18768.06	18059.21	17449.72	16932.99	16465.94	16048.58	15697.46	15362.91	15051.55
270.0	20560.07	19731.97	18996.62	18357.32	17797.53	17297.35	16807.12	16290.38	15833.27
300.0	22557.45	21371.61	20318.26	19278.17	18526.25	17863.78	17423.22	16919.74	16492.44
330.0	35628.18	32892.14	30493.96	28327.64	26326.96	24531.63	22968.18	21520.66	20149.33
360.0	86089.28	78404.52	73469.04	65400.03	61968.38	56443.30	51097.08	45939.68	41100.26

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	36661.64	32415.15	28549.58	25734.04	21908.21	19602.79	16552.06	14332.76	12418.19
30.0	20106.27	18946.93	17688.22	17191.36	16475.88	15270.16	14478.50	13766.34	13110.48
60.0	17886.96	17489.47	17191.36	17025.74	16482.50	16134.70	15800.15	15502.03	15253.60
90.0	17853.84	17257.61	16959.49	16913.12	16565.31	16353.32	16197.64	15998.89	15813.40
120.0	16078.39	15790.21	15538.47	15349.66	15071.42	14895.86	14673.93	14415.57	14190.32
150.0	14293.01	13908.77	13574.22	13252.91	12968.05	12659.99	12368.50	12070.39	11752.40
180.0	12269.13	11815.33	11348.28	10990.54	10483.75	10175.69	9771.58	9228.35	8748.05
210.0	13491.41	13153.54	12842.18	12563.93	12292.32	12063.76	11825.27	11570.21	11272.10
240.0	14723.62	14412.25	14117.45	13796.15	13435.10	13070.73	12785.86	12338.69	11941.20
270.0	15442.41	15054.86	14637.50	14256.57	13865.71	13488.09	12981.30	12441.38	12100.20
300.0	16051.89	15528.53	15154.23	14707.06	14236.70	13756.40	13286.04	12825.61	12322.13
330.0	18903.87	17804.15	16830.31	15879.65	14985.30	14200.26	13464.91	12706.37	12027.33
360.0	36661.64	32415.15	28549.58	25734.04	21908.21	19602.79	16552.06	14332.76	12418.19

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	11116.42	9645.71	8400.25	6537.02	6157.42	5586.36	5043.79	4450.54	3746.99
30.0	12471.19	11878.27	11331.72	10834.86	10377.75	9937.20	9509.90	9085.91	8565.87
60.0	14965.42	14680.56	14389.07	14037.95	13776.27	13534.47	13252.91	12908.42	12163.13
90.0	15505.35	15316.54	15164.17	14968.74	14726.93	14548.06	13491.41	10450.62	6008.69
120.0	14051.20	13839.21	13617.28	13295.97	12779.24	11841.83	10404.25	8724.86	6949.42
150.0	11378.09	11023.67	10298.25	9711.96	8817.61	7668.21	6697.67	5647.64	4584.36
180.0	8284.31	7903.39	7108.41	6459.18	5809.95	5117.66	4319.37	3415.09	2676.42
210.0	10877.92	10364.50	9605.96	8509.56	6460.84	5826.84	4777.81	3765.87	2856.95
240.0	11533.78	11056.79	10460.56	9758.33	6530.40	5744.70	4474.72	3290.21	2417.06
270.0	11729.21	11335.03	10954.11	10616.24	6326.69	5714.22	3440.59	1950.01	1504.16
300.0	11782.21	11209.16	10755.36	10354.56	9943.83	9466.84	6326.69	6326.69	4561.51
330.0	11397.97	10831.55	10404.25	9880.89	9321.09	8943.48	8655.30	6515.16	6068.65
360.0	11116.42	9645.71	8400.25	6537.02	6157.42	5586.36	5043.79	4450.54	3746.99

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	2933.46	2233.55	1552.85	1017.57	658.51	439.89	346.48	296.46	259.36
30.0	7784.14	6611.55	5173.97	3696.64	2464.43	1861.57	629.02	839.36	769.47
60.0	10742.11	7260.78	3345.52	2017.25	1748.95	984.45	1049.04	1020.55	958.94
90.0	3160.03	2116.62	1695.95	1695.95	1091.44	1114.62	1083.82	1021.21	899.65
120.0	5495.27	3633.70	2434.61	1729.07	1729.07	1146.42	1138.47	1100.05	994.38
150.0	3812.57	2888.41	2086.81	1798.63	1066.59	1117.94	1085.81	1029.49	957.61
180.0	2080.19	1755.57	1001.01	1062.29	989.08	920.52	822.47	736.68	658.84
210.0	2083.83	1501.84	1213.00	1074.54	988.75	926.81	873.15	820.81	743.97
240.0	1614.46	1281.90	1115.29	1052.35	990.74	934.43	877.79	816.51	754.56
270.0	1254.74	1110.65	1023.53	969.54	892.36	805.58	747.28	706.87	667.12
300.0	3017.60	1732.72	1273.29	1073.55	970.20	904.95	838.04	775.43	729.72
330.0	4828.16	3551.89	2425.01	1533.97	947.35	716.47	639.96	574.37	531.64
360.0	2933.46	2233.55	1552.85	1017.57	658.51	439.89	346.48	296.46	259.36

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	231.21	208.35	190.46	175.56	160.98	147.40	132.16	114.94	99.70
30.0	697.26	636.64	584.31	535.95	489.24	451.48	392.85	342.50	292.82
60.0	872.16	781.40	708.52	650.89	606.83	551.85	483.94	424.32	376.62
90.0	824.46	735.02	674.40	627.37	569.07	510.77	452.47	395.50	339.85
120.0	918.86	841.02	762.85	690.64	634.66	565.10	496.86	431.27	368.01
150.0	902.96	786.36	684.34	623.06	563.11	508.78	454.79	399.81	342.83
180.0	573.05	462.41	358.40	283.87	243.13	218.29	199.41	182.18	164.63
210.0	659.83	599.54	543.23	497.19	438.23	363.04	302.42	244.46	200.73
240.0	695.94	632.34	564.76	495.20	425.97	358.40	294.80	235.51	191.79
270.0	624.39	576.69	524.02	468.37	398.15	350.12	290.17	231.54	175.89
300.0	688.98	642.94	589.28	528.33	462.08	392.52	322.30	253.07	189.14
330.0	494.21	455.12	423.66	380.93	336.54	290.83	244.46	199.08	156.35
360.0	231.21	208.35	190.46	175.56	160.98	147.40	132.16	114.94	99.70

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	81.49	63.60	46.37	30.81	16.89	5.96	0.66	0.00	0.00
30.0	252.40	204.38	160.65	122.56	83.47	60.95	37.10	19.87	11.26
60.0	317.00	258.70	204.71	155.68	114.28	80.16	52.67	31.14	17.89
90.0	286.52	235.84	188.81	146.74	109.97	79.50	53.66	33.79	21.86
120.0	309.05	254.06	204.04	159.33	120.90	88.77	62.27	40.74	24.18
150.0	287.19	233.86	185.16	142.76	106.99	77.18	53.66	34.78	22.52
180.0	149.39	126.53	98.71	81.49	58.30	45.38	31.14	19.54	10.27
210.0	152.37	111.63	78.17	51.34	30.81	15.90	5.30	2.98	2.32
240.0	143.43	102.02	67.57	40.74	21.20	8.61	3.64	2.65	2.98
270.0	136.14	85.13	52.00	27.16	10.60	4.64	1.99	1.32	1.66
300.0	134.81	90.43	54.32	28.16	10.60	3.31	2.32	2.32	2.32
330.0	118.58	85.13	56.64	31.47	12.59	2.98	1.32	1.66	1.66
360.0	81.49	63.60	46.37	30.81	16.89	5.96	0.66	0.00	0.00

C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	0.00	0.00	0.00	0.00	0.66	0.66	0.99	0.99	1.32
30.0	8.61	7.29	6.96	7.29	7.29	7.62	7.62	7.95	7.95
60.0	10.60	8.61	7.62	7.95	7.62	7.95	8.28	8.28	8.28
90.0	11.26	8.61	7.29	6.96	6.96	7.29	7.29	7.62	7.95
120.0	14.57	10.27	8.94	8.61	8.61	8.61	8.94	8.94	8.94
150.0	12.59	9.61	8.61	8.61	8.61	8.61	8.94	9.27	9.61
180.0	7.29	5.96	5.96	6.29	6.96	6.96	7.62	7.95	8.61
210.0	2.32	2.65	2.65	3.31	3.64	3.97	4.31	4.31	4.97
240.0	2.98	3.31	3.97	4.31	4.31	4.97	4.97	5.30	5.96
270.0	1.99	2.32	2.65	2.65	2.98	3.31	3.97	4.31	4.97
300.0	2.32	2.65	2.98	2.98	3.31	3.64	3.97	3.97	4.97
330.0	1.32	1.99	1.99	1.99	1.66	2.32	2.65	2.65	3.31
360.0	0.00	0.00	0.00	0.00	0.66	0.66	0.99	0.99	1.32

C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	1.66	1.99	2.32	2.65	3.31	3.31	3.64	4.31	4.64
30.0	8.28	8.61	8.61	8.94	9.61	9.94	10.27	10.27	10.60
60.0	8.94	8.94	8.94	9.27	9.61	10.27	10.27	10.60	10.93
90.0	7.95	8.61	8.94	9.27	9.61	10.27	10.27	10.27	10.60
120.0	9.27	9.61	10.27	10.27	10.27	10.27	10.60	11.59	11.92
150.0	9.94	10.27	10.27	10.60	11.59	12.59	12.92	13.25	13.58
180.0	9.27	9.94	10.27	10.60	12.26	13.25	14.57	15.24	15.57
210.0	5.30	5.96	6.29	6.96	7.62	8.28	9.27	9.61	10.27
240.0	6.29	6.96	7.29	7.62	8.28	8.94	9.61	10.27	10.93
270.0	5.30	5.63	6.29	6.62	7.62	8.28	8.94	9.94	10.27
300.0	4.97	5.30	5.96	6.29	6.96	7.62	7.95	7.62	8.61
330.0	3.31	3.97	3.97	4.64	4.97	5.30	5.63	6.29	7.29
360.0	1.66	1.99	2.32	2.65	3.31	3.31	3.64	4.31	4.64

C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	5.30	5.96	6.62	7.29	7.62	7.95	8.61	9.94	10.27
30.0	10.27	10.93	11.59	12.26	12.59	13.25	13.91	15.24	15.57
60.0	11.26	11.26	11.92	12.26	13.25	13.58	14.91	16.23	16.89
90.0	10.60	11.26	12.26	12.59	13.25	14.24	15.57	16.56	17.22
120.0	12.92	12.26	12.59	12.92	14.24	14.91	15.90	17.22	18.22
150.0	13.91	14.57	14.91	15.90	17.22	18.55	20.54	22.19	23.52
180.0	16.56	17.56	18.22	20.54	22.52	24.51	27.49	30.47	33.12
210.0	10.93	11.92	12.92	13.91	14.91	16.23	17.89	19.87	21.53
240.0	11.59	12.59	13.25	14.24	14.91	15.90	16.56	17.56	18.55
270.0	10.93	12.59	13.25	14.24	15.24	15.90	17.22	17.56	18.22
300.0	9.94	10.27	11.92	12.59	12.92	14.24	14.91	15.57	16.23
330.0	7.29	7.95	8.61	9.61	10.27	10.27	11.59	12.59	13.25
360.0	5.30	5.96	6.62	7.29	7.62	7.95	8.61	9.94	10.27
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	10.93	12.26	13.25	14.91	16.56	18.22	19.21	20.54	21.20
30.0	16.56	17.56	18.22	19.21	19.54	20.21	20.21	20.21	20.21
60.0	17.56	18.22	19.21	20.21	20.21	20.54	20.87	20.87	21.20
90.0	17.89	19.21	19.87	20.87	21.20	21.20	21.53	21.53	22.19
120.0	19.21	19.87	20.87	21.20	21.53	21.86	22.52	22.86	23.52
150.0	25.17	25.84	26.83	27.49	27.82	28.16	28.49	28.82	29.48
180.0	34.45	36.11	36.44	36.77	36.77	36.11	35.77	35.77	35.77
210.0	23.52	26.50	29.81	32.79	36.44	40.41	43.06	45.38	48.03
240.0	19.87	20.87	22.52	23.85	28.16	29.48	31.47	35.44	35.77
270.0	18.88	20.21	21.20	22.19	25.17	27.16	28.49	30.47	31.47
300.0	16.89	17.89	18.55	20.21	21.53	23.52	25.84	27.16	28.16
330.0	13.58	15.24	15.90	17.56	19.21	20.87	22.19	23.19	23.85
360.0	10.93	12.26	13.25	14.91	16.56	18.22	19.21	20.54	21.20
C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	21.53	22.19	22.19	22.52	23.85	25.51	28.49	31.80	35.44
30.0	20.21	19.87	19.87	19.54	18.22	18.22	19.54	21.86	25.17
60.0	21.20	20.87	20.87	20.21	19.87	19.87	21.20	23.52	26.83
90.0	21.86	22.52	22.86	22.52	22.19	22.19	24.18	27.16	31.14
120.0	24.18	25.17	25.84	26.17	25.84	27.16	30.81	35.44	40.08
150.0	30.47	31.47	32.13	33.12	33.46	36.11	43.72	54.65	65.92
180.0	36.44	36.77	37.43	38.42	39.09	42.73	53.99	69.23	85.46
210.0	50.35	52.00	53.33	56.31	61.28	71.55	83.47	93.74	108.65
240.0	37.10	38.42	38.42	39.42	41.74	46.37	52.67	59.95	68.90
270.0	32.79	33.46	33.79	34.12	35.44	38.76	43.06	47.04	53.99
300.0	29.15	29.15	29.15	29.81	30.81	32.79	35.77	40.08	45.05
330.0	24.84	24.84	25.17	25.17	26.17	28.49	30.81	33.79	38.76
360.0	21.53	22.19	22.19	22.52	23.85	25.51	28.49	31.80	35.44
C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	39.75	42.73	46.37	49.69	54.32	59.29	65.92	71.55	76.19
30.0	28.49	33.12	38.09	44.05	50.35	56.64	63.27	69.89	78.17
60.0	30.81	35.77	41.41	48.36	54.32	63.27	71.22	80.16	89.77
90.0	35.77	41.74	48.69	56.97	62.94	76.19	86.12	99.04	112.95
120.0	48.36	57.30	68.24	77.84	91.75	106.33	122.89	140.78	161.31
150.0	79.83	95.07	113.28	133.49	154.03	175.56	198.41	223.26	249.42
180.0	104.01	124.22	146.74	171.25	171.25	199.41	234.19	263.00	288.51
210.0	123.88	142.10	154.69	171.25	190.46	214.64	236.84	258.37	279.57
240.0	78.50	88.77	100.37	110.30	124.55	142.10	160.32	178.54	198.41
270.0	60.29	67.24	73.20	81.49	90.10	101.69	113.28	124.22	136.47
300.0	49.69	54.65	59.95	65.59	71.88	78.50	88.11	95.73	102.35
330.0	42.40	47.04	51.01	54.32	58.63	64.59	70.22	76.85	84.47
360.0	39.75	42.73	46.37	49.69	54.32	59.29	65.92	71.55	76.19

C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	82.48	90.10	101.36	114.28	128.19	143.76	162.64	184.83	210.67
30.0	87.12	94.73	105.67	118.58	134.48	157.67	179.86	199.74	227.23
60.0	101.36	110.97	124.55	143.43	158.33	174.89	203.38	229.55	257.70
90.0	128.52	145.75	160.32	180.19	203.71	236.17	264.99	296.13	322.30
120.0	183.51	207.69	233.52	261.35	291.82	324.95	360.39	396.49	432.93
150.0	276.59	304.41	326.60	354.10	384.24	422.99	455.12	484.27	507.13
180.0	314.68	334.55	359.40	383.58	410.08	438.56	466.39	493.22	517.40
210.0	301.10	319.98	350.12	381.26	409.41	441.87	463.40	489.24	515.41
240.0	219.28	243.13	273.27	305.07	338.20	371.32	406.76	442.87	470.69
270.0	150.05	166.28	188.14	211.99	235.51	261.35	289.84	321.30	348.13
300.0	113.28	122.89	138.46	156.01	177.88	193.44	214.64	239.16	267.31
330.0	91.75	100.70	113.62	127.53	142.76	159.99	179.20	202.06	222.26
360.0	82.48	90.10	101.36	114.28	128.19	143.76	162.64	184.83	210.67

C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	238.16	267.64	298.45	332.90	369.33	407.43	437.90	484.60	524.35
30.0	257.04	290.50	327.60	367.35	410.08	455.46	501.50	546.21	589.61
60.0	289.17	322.96	359.40	397.82	438.23	478.97	520.38	560.79	599.54
90.0	357.08	394.84	433.59	473.01	512.43	551.51	589.94	626.04	660.82
120.0	462.08	505.80	540.92	574.70	600.21	630.68	658.51	681.69	700.90
150.0	535.62	562.45	587.29	607.83	625.38	638.30	649.23	657.51	662.48
180.0	539.92	563.77	583.64	600.21	614.12	623.06	633.33	640.29	647.91
210.0	540.92	562.78	579.34	592.26	602.86	611.80	618.43	626.37	633.00
240.0	504.15	536.94	567.75	596.89	623.06	645.26	662.81	675.73	685.67
270.0	391.86	420.01	461.42	490.24	526.34	560.79	593.91	624.06	651.88
300.0	298.45	331.24	365.03	399.81	436.24	473.01	502.82	545.22	580.00
330.0	251.08	282.22	321.63	349.79	387.22	425.31	464.07	502.82	541.25
360.0	238.16	267.64	298.45	332.90	369.33	407.43	437.90	484.60	524.35

C/γ(°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	564.76	604.51	633.66	664.47	688.65	706.53	718.46	721.77	719.45
30.0	630.68	668.44	705.54	740.65	770.80	796.63	816.18	829.43	835.72
60.0	635.65	669.44	701.57	731.38	757.88	779.74	794.98	803.26	807.23
90.0	690.97	716.14	739.99	756.55	772.12	782.39	787.03	786.03	778.41
120.0	715.48	726.74	734.03	737.01	734.03	727.07	716.47	702.56	688.32
150.0	663.81	662.15	659.17	655.52	647.91	641.28	632.67	626.37	618.76
180.0	650.56	652.54	652.21	649.56	644.59	637.31	629.36	622.07	616.11
210.0	638.63	641.28	642.27	643.27	644.92	644.26	641.28	635.98	631.67
240.0	693.62	697.59	699.58	697.59	691.96	684.01	674.74	662.15	650.56
270.0	677.39	699.25	713.16	726.74	735.35	734.69	730.72	719.45	703.55
300.0	614.78	640.29	668.11	690.30	706.53	716.47	720.78	719.12	713.82
330.0	580.66	617.43	643.93	672.42	694.28	708.85	718.13	720.12	715.81
360.0	564.76	604.51	633.66	664.47	688.65	706.53	718.46	721.77	719.45

C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	713.82	705.54	696.60	685.00	673.08	662.15	652.21	642.94	628.03
30.0	838.37	836.38	825.12	809.22	785.04	762.18	744.63	724.09	706.20
60.0	807.23	802.59	791.66	777.75	758.87	738.00	717.80	699.91	686.00
90.0	770.80	760.53	741.98	721.77	701.90	682.35	665.46	653.87	640.95
120.0	674.07	662.48	645.92	629.36	614.78	601.86	595.24	592.26	593.91
150.0	615.78	612.13	608.49	605.84	602.19	598.88	598.22	598.88	601.20
180.0	611.47	609.48	605.18	601.53	598.55	596.89	597.23	600.54	605.51
210.0	630.02	629.69	632.67	638.96	644.26	648.90	656.85	666.46	677.72
240.0	640.62	632.67	627.70	625.05	627.04	632.34	638.30	645.92	656.85
270.0	685.34	667.78	652.21	638.63	629.36	624.72	622.40	622.40	625.05
300.0	704.22	693.95	682.69	669.77	656.52	646.91	634.99	621.74	609.48
330.0	708.85	700.57	689.64	676.06	664.47	652.54	638.96	627.70	615.78
360.0	713.82	705.54	696.60	685.00	673.08	662.15	652.21	642.94	628.03

C/γ(°)	180.0
0.0	613.79
30.0	690.64
60.0	671.09
90.0	631.01
120.0	598.55
150.0	606.83
180.0	613.79
210.0	373.97
240.0	373.97
270.0	373.97
300.0	373.97
330.0	373.97
360.0	613.79