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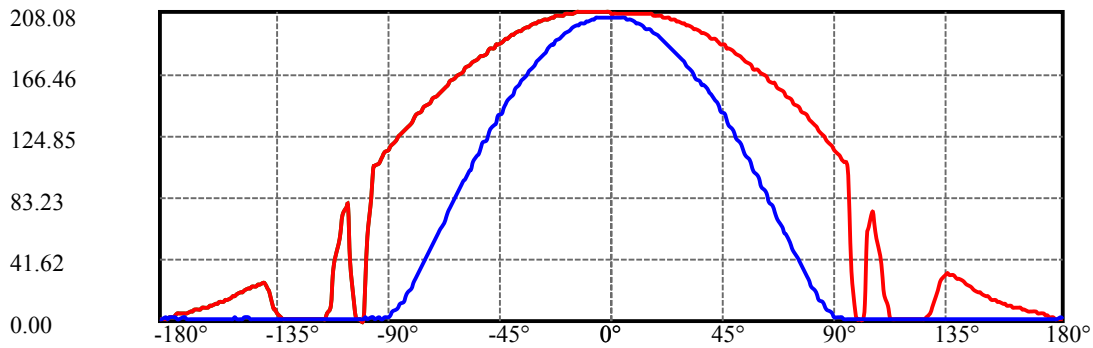
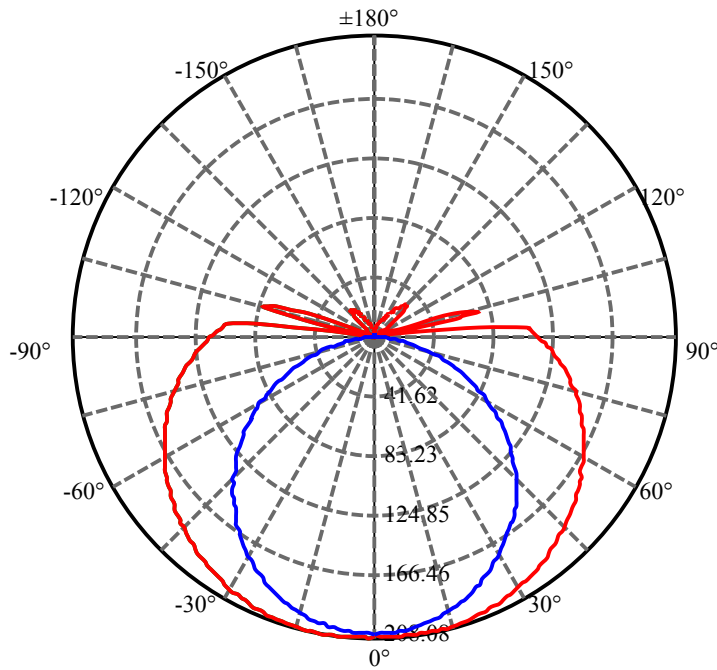
LumCAT: Eckenheim 900  
Luminaire: 11 W 3000 K  
Report No: WG17044545P-3  
Test No: WG17044545P-3  
LampCAT:  
Lamp flux(lm)  
Number of Lamps: 0  
Length(mm): 0  
Phm Type: C

Voltage(V): 220.0600  
Current(A): 0.0810  
Power (W): 9.7000  
PF: 0.5462  
Ballast type:  
Width(mm): 0  
Height(mm): 0

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### Photometric Results

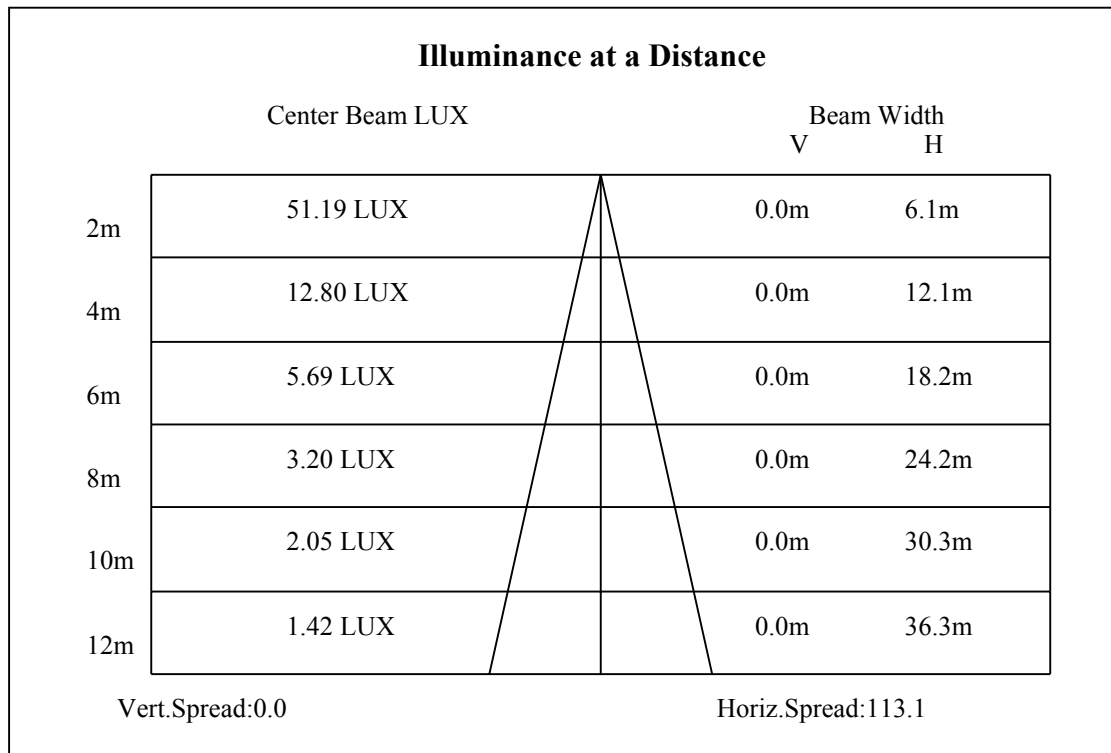
Lumens(lm): 940.38  
Lumens(lm)/Power(W): 96.95  
Central intensity(cd): 204.768  
Maximum intensity(cd): 208.080  
Angle of maximum intensity: C=180.0  $\gamma$ =8.0  
Beam Angle(50%Imax): [C0/180]Total=188.1  
                                  [C90/270]Total=112.6  
Field angle(10%Imax): [C0/180]Total=290.9  
                                  [C90/270]Total=161.5  
Beam angle of C180plane: 188.26  
Aveage BeamAngle(IEC 61341):151.69  
Maximum s/h(1/2): C0\_180=1.45 C90\_270=1.25  
Maximum s/h(1/4): C0\_180=1.62 C90\_270=1.38  
Up flux rate of LUM(%): 10.09%  
Down flux rate of LUM(%): 89.91%  
CIE Type : Semidirect lighting  
Output flux ratio in  $\pi$  solid angle : 56.845%



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

Field angle(10%Imax):C0/180Left:137.8 Right:153.2  
 :C90/270Left:80.6 Right:80.9

Beam Angle(50%Imax):C0/180Left:86.1 Right:102.0  
 :C90/270Left:55.9 Right:56.7



## Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	204.77	207.36	207.22	207.22	207.22	207.22	207.22	207.36	207.36
30.0	206.64	206.64	206.64	206.64	206.50	206.64	206.78	206.64	206.64
60.0	206.50	206.35	206.35	206.21	205.92	205.78	205.49	205.06	204.62
90.0	204.77	204.62	204.48	204.34	204.19	203.62	203.33	202.90	202.46
120.0	205.06	204.91	205.06	205.06	204.91	204.77	204.34	204.19	203.62
150.0	206.93	206.78	206.93	206.64	206.78	206.78	206.64	206.64	206.35
180.0	207.07	207.50	207.50	207.65	207.79	207.79	207.94	207.79	208.08
210.0	206.64	206.64	206.78	206.78	206.50	206.64	206.21	206.06	206.06
240.0	206.50	206.50	206.50	206.50	206.21	206.06	205.78	205.49	205.06
270.0	204.77	204.62	204.62	204.62	204.19	203.90	203.62	203.33	202.75
300.0	205.06	205.06	204.91	204.62	204.62	204.34	203.90	203.47	203.47
330.0	206.93	206.93	206.78	206.64	206.64	206.78	206.64	206.78	206.50
360.0	204.77	207.36	207.22	207.22	207.22	207.22	207.22	207.36	207.36
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	207.22	207.22	207.07	207.22	206.93	207.07	206.93	206.64	206.06
30.0	206.64	206.64	206.50	206.21	206.06	205.92	205.78	205.49	205.20
60.0	204.19	203.62	202.90	202.61	202.18	201.31	200.45	199.87	198.58
90.0	201.46	200.88	199.73	199.15	198.14	196.70	196.42	194.98	193.82
120.0	203.47	202.90	202.32	201.60	201.31	200.30	199.58	198.72	198.14
150.0	206.35	206.06	205.92	205.34	205.06	204.91	204.34	204.05	203.62
180.0	207.79	207.94	207.94	207.94	207.79	207.65	207.22	207.07	206.78
210.0	205.78	205.49	205.20	204.91	204.62	204.48	204.05	203.33	202.75
240.0	204.62	204.05	203.62	202.90	202.18	201.31	200.59	200.02	198.86
270.0	202.18	201.17	200.88	199.87	199.30	198.43	197.14	196.27	195.26
300.0	202.90	202.32	201.89	200.88	200.74	200.16	199.30	198.58	197.28
330.0	206.35	206.35	206.35	206.06	205.92	205.34	205.06	204.77	204.05
360.0	207.22	207.22	207.07	207.22	206.93	207.07	206.93	206.64	206.06
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	205.78	205.49	205.06	204.77	204.34	203.62	203.18	202.61	201.74
30.0	204.48	204.19	203.90	203.18	202.75	202.03	201.46	200.74	199.58
60.0	197.86	196.70	195.55	194.69	193.39	192.53	190.94	189.79	187.92
90.0	192.67	191.66	189.94	188.50	186.48	185.33	183.46	181.44	180.14
120.0	196.99	196.70	194.98	194.40	193.10	191.81	191.23	189.50	188.21
150.0	203.04	202.61	202.03	201.31	200.59	200.16	199.30	198.29	197.86
180.0	206.35	206.06	205.92	205.34	205.06	204.62	204.05	203.33	202.75
210.0	202.46	201.89	201.31	200.45	200.16	198.86	198.00	196.99	196.27
240.0	198.00	197.42	195.98	194.69	193.82	192.38	190.80	189.65	188.50
270.0	193.97	192.82	191.38	190.37	188.35	186.62	185.47	183.46	181.44
300.0	196.70	195.55	194.98	193.54	193.25	191.52	190.22	188.78	187.49
330.0	204.05	203.62	203.18	202.75	202.03	201.31	200.74	199.87	198.58
360.0	205.78	205.49	205.06	204.77	204.34	203.62	203.18	202.61	201.74
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	201.46	200.74	200.16	199.44	198.58	198.14	196.99	196.27	195.70
30.0	199.15	198.43	197.14	196.70	195.70	194.26	193.54	192.53	191.09
60.0	186.91	185.18	184.03	182.45	180.43	179.14	177.26	175.10	173.66
90.0	178.27	175.82	174.38	172.51	170.21	168.62	165.89	163.44	161.86
120.0	187.06	185.33	183.60	182.30	181.15	179.14	177.70	175.97	174.10
150.0	196.85	195.70	195.12	193.97	192.67	191.95	190.94	189.79	188.64
180.0	202.46	201.60	201.02	200.59	199.73	198.72	198.14	197.14	196.13
210.0	195.26	194.54	193.54	192.38	191.38	190.51	189.22	188.06	187.06
240.0	186.77	185.62	184.03	181.87	180.58	178.70	176.40	175.39	173.52
270.0	180.14	177.70	175.82	174.38	171.65	169.63	167.90	165.17	162.86
300.0	186.34	184.46	183.46	181.73	179.71	178.56	176.98	174.96	173.09
330.0	198.43	197.57	196.70	195.84	194.83	193.82	192.82	192.10	190.51
360.0	201.46	200.74	200.16	199.44	198.58	198.14	196.99	196.27	195.70

## Intensity data(cd)

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	194.40	193.68	192.82	191.52	190.51	189.65	188.35	187.34	186.48
30.0	190.22	188.93	187.78	186.91	185.18	183.74	182.74	181.01	179.57
60.0	171.79	169.34	167.90	165.89	163.30	161.86	159.70	157.10	156.53
90.0	158.98	158.98	156.67	154.22	152.21	149.04	147.17	144.29	140.98
120.0	171.94	170.35	168.62	166.32	164.74	162.58	159.98	158.26	156.24
150.0	187.06	185.90	184.90	183.46	182.02	181.15	179.14	177.70	176.69
180.0	195.55	194.69	193.39	192.82	192.10	190.51	189.79	188.64	187.06
210.0	185.62	184.32	183.46	181.73	180.29	179.42	177.55	176.26	175.25
240.0	171.36	169.92	167.47	165.46	164.16	161.57	159.41	157.97	155.38
270.0	161.28	158.98	155.81	152.06	151.34	148.18	146.30	143.57	139.82
300.0	171.07	169.20	167.62	165.02	163.01	161.28	158.98	156.24	154.66
330.0	189.65	187.78	186.77	185.76	184.61	182.88	181.44	180.14	178.99
360.0	194.40	193.68	192.82	191.52	190.51	189.65	188.35	187.34	186.48
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	185.62	184.03	183.31	182.02	180.43	179.57	178.56	176.83	175.97
30.0	178.56	176.69	175.54	174.24	172.37	170.78	169.63	168.34	166.46
60.0	153.22	151.63	149.04	146.30	143.86	142.13	139.25	136.94	135.22
90.0	138.96	135.94	132.34	129.17	127.30	123.41	120.53	118.22	114.05
120.0	154.66	151.78	149.47	147.02	144.86	142.99	140.26	137.81	136.08
150.0	174.82	173.09	172.08	170.06	168.62	167.33	165.31	163.73	162.43
180.0	186.48	185.47	183.89	182.88	182.02	179.57	178.99	178.13	176.54
210.0	173.23	172.08	170.78	169.34	167.33	166.46	164.88	162.72	161.57
240.0	152.93	149.76	148.61	146.45	144.58	141.70	139.39	136.51	134.64
270.0	137.95	132.91	131.33	129.02	126.00	122.11	119.95	116.64	112.90
300.0	151.20	149.47	147.89	145.30	142.27	139.97	138.10	135.36	133.49
330.0	176.98	175.97	174.38	173.38	171.79	169.92	168.91	166.75	165.31
360.0	185.62	184.03	183.31	182.02	180.43	179.57	178.56	176.83	175.97
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	174.67	172.94	172.08	169.78	168.77	167.90	166.32	164.88	163.87
30.0	165.31	163.58	161.57	160.42	158.98	157.82	155.66	153.94	151.78
60.0	132.19	129.74	128.02	124.70	122.83	120.38	117.36	114.77	112.61
90.0	110.88	108.29	105.12	101.09	98.50	95.04	91.01	88.13	84.82
120.0	132.91	131.33	128.74	125.71	123.26	121.68	118.66	116.64	114.48
150.0	160.70	158.83	157.82	156.24	154.22	152.64	150.91	149.04	147.89
180.0	175.25	174.24	172.66	171.50	170.21	168.34	166.90	165.89	164.02
210.0	160.13	157.97	156.53	154.08	152.78	151.78	149.90	148.90	147.17
240.0	132.34	130.32	127.87	124.70	120.96	120.24	116.64	115.06	112.61
270.0	111.17	106.99	102.10	101.23	96.19	94.03	91.30	86.98	83.52
300.0	131.04	128.02	125.71	123.26	121.39	119.81	116.50	114.05	112.18
330.0	164.16	162.29	160.56	158.26	157.10	155.66	153.94	152.78	150.48
360.0	174.67	172.94	172.08	169.78	168.77	167.90	166.32	164.88	163.87
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	162.00	160.70	159.84	157.97	155.95	154.66	153.22	151.34	149.76
30.0	150.34	148.90	146.59	145.15	143.71	141.84	140.40	138.24	136.37
60.0	110.16	106.99	105.26	102.82	99.79	98.06	95.62	92.88	91.01
90.0	80.50	77.90	74.30	69.98	67.68	63.94	59.47	57.74	53.28
120.0	111.74	108.86	106.99	104.54	101.52	99.79	97.34	94.32	92.45
150.0	146.16	144.29	142.99	141.41	139.68	137.95	135.94	133.92	132.34
180.0	162.29	161.28	159.12	157.97	156.38	154.37	152.78	151.63	150.05
210.0	145.15	143.42	141.84	139.68	138.38	136.51	134.21	132.91	130.90
240.0	109.58	107.71	105.12	102.24	100.22	97.92	94.90	93.17	90.58
270.0	80.93	76.61	73.15	70.27	66.24	62.64	60.05	56.59	52.13
300.0	109.15	106.85	104.98	102.10	99.50	97.78	94.75	92.45	90.14
330.0	149.18	146.59	145.15	143.86	142.13	140.11	138.82	136.80	134.78
360.0	162.00	160.70	159.84	157.97	155.95	154.66	153.22	151.34	149.76

Intensity data(cd)

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	148.46	146.30	144.72	143.42	141.26	139.25	137.95	136.08	133.92
30.0	134.78	132.34	130.32	128.88	126.43	124.85	122.98	120.38	119.23
60.0	88.56	85.54	83.66	81.36	78.34	77.33	74.59	73.01	70.70
90.0	49.54	47.09	42.77	40.32	36.86	32.69	30.24	26.93	23.18
120.0	90.00	87.26	85.39	83.09	80.64	78.91	76.18	73.87	71.86
150.0	129.74	128.30	126.86	124.56	122.98	121.54	119.09	117.36	115.49
180.0	147.89	146.45	144.72	143.28	140.98	139.10	138.24	135.36	133.49
210.0	128.59	127.01	125.28	122.98	121.39	119.23	116.93	115.78	113.33
240.0	87.70	85.82	83.38	81.22	79.49	76.46	73.87	71.71	70.13
270.0	49.54	46.08	41.62	38.30	35.57	31.54	28.94	25.92	22.03
300.0	88.56	85.39	83.81	81.50	78.62	77.18	74.74	71.71	70.27
330.0	133.20	131.33	129.31	128.02	124.85	123.12	121.25	119.09	117.22
360.0	148.46	146.30	144.72	143.42	141.26	139.25	137.95	136.08	133.92
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	132.19	130.18	127.73	125.86	124.13	122.11	119.52	118.08	115.63
30.0	116.93	114.34	112.90	111.17	109.73	109.01	107.86	105.55	103.25
60.0	67.97	65.66	64.08	61.06	59.47	57.31	55.44	54.72	53.42
90.0	20.16	18.00	14.54	12.38	10.08	7.78	6.34	4.75	3.02
120.0	69.12	67.25	65.52	63.07	61.06	59.18	56.59	54.58	52.85
150.0	112.90	111.60	109.58	106.56	104.40	102.96	100.51	98.93	96.05
180.0	131.04	129.46	127.44	125.86	123.98	121.39	119.23	117.36	115.06
210.0	111.02	109.01	105.55	103.10	101.81	99.22	97.06	95.76	93.74
240.0	67.25	65.23	62.64	61.06	59.04	57.60	54.43	51.84	50.40
270.0	19.58	16.85	13.39	12.10	9.07	7.20	5.90	3.89	2.74
300.0	67.97	65.38	63.65	61.49	59.04	57.46	55.15	52.85	51.12
330.0	115.20	113.04	111.46	109.58	107.86	105.26	102.96	101.09	97.78
360.0	132.19	130.18	127.73	125.86	124.13	122.11	119.52	118.08	115.63
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	112.32	111.17	109.15	106.85	103.97	72.58	33.41	5.90	1.01
30.0	100.51	96.77	94.75	93.02	90.72	82.94	41.33	7.49	3.74
60.0	50.40	47.95	46.08	28.94	13.10	10.51	11.81	21.17	19.15
90.0	2.74	2.16	2.02	1.73	1.87	1.87	1.73	1.58	1.87
120.0	50.83	49.68	48.53	46.08	32.83	17.28	11.52	9.36	15.98
150.0	94.46	93.31	91.44	90.00	83.52	65.38	29.81	7.20	3.02
180.0	114.34	110.88	108.29	106.56	104.40	101.52	82.66	56.45	27.79
210.0	91.15	90.72	88.70	86.69	83.95	52.56	15.70	3.89	2.59
240.0	47.95	46.51	45.65	43.63	19.30	12.10	9.36	13.82	21.17
270.0	2.30	1.87	1.87	2.02	1.87	2.02	2.02	1.73	2.02
300.0	47.23	46.80	43.49	17.14	12.10	9.79	18.14	20.59	17.28
330.0	93.89	92.74	91.01	85.82	66.24	39.89	5.18	3.60	2.88
360.0	112.32	111.17	109.15	106.85	103.97	72.58	33.41	5.90	1.01
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	1.15	1.15	12.10	55.73	62.93	73.58	64.22	55.73	44.06
30.0	2.16	2.88	12.10	42.62	56.59	52.42	41.76	34.13	23.76
60.0	14.11	6.77	3.31	2.74	2.30	1.87	1.87	1.30	1.15
90.0	1.73	1.58	1.58	1.30	1.30	1.15	1.30	1.15	1.01
120.0	21.60	18.43	14.69	8.64	4.32	2.59	2.02	1.73	1.58
150.0	2.02	2.88	21.46	46.22	56.45	54.29	46.51	38.16	30.96
180.0	1.44	1.01	1.30	2.30	12.67	40.32	76.18	76.18	70.85
210.0	1.87	3.89	23.18	54.43	55.73	52.56	44.21	37.44	28.37
240.0	20.88	16.27	12.10	6.48	2.45	2.16	1.87	1.30	1.30
270.0	1.87	1.73	1.58	1.73	1.87	1.58	1.58	1.44	1.30
300.0	9.94	4.18	3.31	2.59	2.45	2.16	1.87	1.73	1.44
330.0	3.02	24.19	43.63	55.58	46.66	39.74	29.52	21.89	7.34
360.0	1.15	1.15	12.10	55.73	62.93	73.58	64.22	55.73	44.06

Intensity data(cd)

C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	31.82	17.71	10.22	2.88	1.01	0.86	0.72	0.86	0.86
30.0	11.38	4.18	1.01	1.01	0.86	0.86	0.86	1.01	0.86
60.0	1.30	1.15	1.15	1.73	3.74	5.33	8.64	12.38	14.40
90.0	1.01	0.86	0.86	0.86	0.72	0.72	0.86	0.72	0.72
120.0	1.30	1.15	1.15	1.01	1.01	1.15	1.01	1.87	3.89
150.0	18.86	11.52	2.74	1.30	1.15	0.86	1.01	1.01	0.86
180.0	59.76	52.27	41.62	30.38	10.66	5.62	1.30	0.86	1.15
210.0	16.13	9.07	2.16	0.86	0.86	0.86	0.86	0.86	1.01
240.0	1.30	1.30	1.01	1.01	1.01	0.86	1.01	2.16	3.31
270.0	1.44	1.30	1.30	1.15	1.15	1.15	1.15	1.01	0.86
300.0	1.15	1.30	2.16	4.61	9.50	12.53	14.83	16.13	16.13
330.0	2.45	2.02	0.86	0.86	0.58	0.86	1.01	0.86	1.01
360.0	31.82	17.71	10.22	2.88	1.01	0.86	0.72	0.86	0.86
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	0.86	1.15	0.86	0.86	0.86	1.15	1.01	1.15	1.73
30.0	0.86	0.86	1.01	0.72	1.01	1.44	1.73	4.46	6.48
60.0	15.70	15.70	15.70	15.41	15.55	14.83	14.69	13.68	13.25
90.0	0.86	1.01	0.72	0.72	0.86	1.01	0.86	0.86	0.86
120.0	6.48	11.38	13.68	13.97	14.40	14.40	14.40	14.26	14.26
150.0	0.86	1.01	1.01	1.15	1.01	1.01	1.01	1.15	1.30
180.0	1.01	1.01	0.86	1.01	0.86	1.01	1.01	1.01	1.01
210.0	0.72	0.72	1.01	0.72	0.86	0.86	0.86	0.86	1.15
240.0	7.06	9.94	11.66	13.39	13.39	13.54	13.39	13.39	13.54
270.0	1.01	0.86	0.86	0.86	0.72	0.86	0.86	0.86	1.01
300.0	16.13	15.98	15.84	15.84	15.41	15.26	14.69	14.11	13.97
330.0	1.01	1.01	1.01	1.01	1.15	2.02	2.88	5.47	10.37
360.0	0.86	1.15	0.86	0.86	0.86	1.15	1.01	1.15	1.73
C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	2.74	5.62	9.50	13.10	20.30	25.49	28.94	31.39	32.11
30.0	11.38	16.56	20.30	24.77	27.65	28.51	27.79	27.50	26.64
60.0	12.96	12.53	12.24	11.95	11.52	11.52	11.23	10.66	10.22
90.0	0.86	0.72	0.86	0.86	0.86	0.86	0.72	0.86	0.86
120.0	14.11	13.82	13.68	13.54	13.25	13.10	12.53	12.38	11.81
150.0	1.30	2.30	4.18	7.49	13.82	15.26	21.17	23.18	23.33
180.0	1.01	1.01	1.01	1.01	1.01	1.15	2.16	4.61	7.20
210.0	1.30	1.58	3.46	7.49	10.94	15.84	19.44	22.18	22.75
240.0	13.25	13.25	12.96	12.67	12.38	12.24	11.81	11.38	11.09
270.0	0.86	0.72	0.86	0.86	0.86	1.01	0.86	0.86	1.01
300.0	13.39	13.25	13.10	12.53	12.10	11.81	11.52	11.09	10.94
330.0	14.26	19.58	25.20	27.07	29.09	28.94	28.51	27.94	26.93
360.0	2.74	5.62	9.50	13.10	20.30	25.49	28.94	31.39	32.11
C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	30.96	30.82	29.52	28.94	28.08	26.64	25.49	24.48	22.75
30.0	26.21	24.91	24.34	23.18	21.89	20.88	19.87	18.86	18.43
60.0	10.08	9.65	9.36	9.22	8.78	8.64	8.50	8.06	8.21
90.0	0.72	0.86	0.86	0.72	1.01	0.86	0.86	0.86	1.01
120.0	11.23	10.94	10.66	10.22	9.79	9.50	9.22	8.93	8.50
150.0	22.61	22.18	21.74	21.02	20.59	20.30	19.58	18.72	18.43
180.0	8.64	19.30	22.18	25.06	25.34	24.77	24.19	23.33	22.90
210.0	22.18	22.03	21.60	21.02	20.45	19.87	19.58	18.86	18.29
240.0	10.94	10.37	10.37	10.37	10.22	10.08	9.94	9.65	9.36
270.0	1.01	1.01	1.01	1.01	1.15	1.15	1.30	1.30	1.44
300.0	10.51	10.51	10.37	10.22	9.94	9.94	9.50	9.07	8.93
330.0	26.35	25.63	24.77	24.05	22.75	21.60	21.02	19.87	19.15
360.0	30.96	30.82	29.52	28.94	28.08	26.64	25.49	24.48	22.75

Intensity data(cd)

C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	21.74	21.02	19.87	19.01	18.43	17.14	16.27	15.55	14.54
30.0	17.71	16.85	16.42	15.26	14.40	13.68	12.82	12.38	11.66
60.0	7.63	7.49	7.34	7.06	6.91	6.91	6.77	6.62	6.34
90.0	0.86	1.01	1.01	0.86	1.15	1.01	1.01	1.15	1.15
120.0	8.50	7.92	7.78	7.49	7.20	7.06	7.06	6.91	6.62
150.0	17.57	17.14	16.56	15.70	14.83	14.11	13.25	12.38	11.95
180.0	21.89	21.46	20.59	19.87	19.01	18.14	17.42	16.70	15.98
210.0	17.57	16.70	16.27	15.26	14.69	14.11	13.54	12.82	12.10
240.0	9.07	8.78	8.64	8.50	7.92	7.63	7.49	7.63	7.20
270.0	1.58	2.02	2.02	1.73	1.73	1.87	2.02	1.73	1.87
300.0	8.78	8.35	8.21	8.35	7.92	7.92	7.63	7.20	7.06
330.0	18.58	17.86	16.99	15.98	15.12	14.40	13.82	12.96	12.38
360.0	21.74	21.02	19.87	19.01	18.43	17.14	16.27	15.55	14.54
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	13.82	13.10	12.38	11.81	11.09	10.66	10.08	9.50	8.93
30.0	11.09	10.80	10.51	9.79	9.36	8.93	8.50	8.06	8.21
60.0	6.19	5.76	5.76	5.47	5.33	4.90	4.46	4.03	3.60
90.0	1.30	1.15	1.15	1.01	1.30	1.01	1.15	1.01	1.15
120.0	6.62	6.34	5.90	5.76	5.33	5.04	4.75	4.75	4.75
150.0	11.38	10.80	10.37	9.94	9.22	8.64	8.64	8.35	8.06
180.0	14.83	13.97	13.10	12.38	11.81	11.38	10.66	10.08	9.50
210.0	11.66	11.09	10.51	9.94	9.65	9.36	8.78	8.50	8.50
240.0	6.91	6.62	6.62	6.05	5.47	5.47	5.33	5.18	5.04
270.0	1.87	1.73	1.73	1.73	1.58	1.73	1.58	1.73	1.87
300.0	7.06	6.91	6.48	6.34	5.90	5.62	5.04	4.32	4.18
330.0	12.10	11.38	10.66	10.22	9.94	9.22	9.07	8.93	8.50
360.0	13.82	13.10	12.38	11.81	11.09	10.66	10.08	9.50	8.93
C/γ(°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	8.64	8.50	8.06	7.63	6.91	6.91	6.19	5.90	5.47
30.0	7.63	7.34	7.06	6.48	5.90	5.47	4.75	4.03	3.60
60.0	3.31	3.17	3.02	2.74	2.59	2.45	2.30	2.45	2.45
90.0	1.01	1.01	1.15	1.30	1.44	1.15	1.30	1.58	1.73
120.0	4.61	4.61	4.32	4.46	4.18	4.18	3.89	3.31	3.02
150.0	7.63	7.34	6.91	6.05	5.47	5.47	5.18	4.90	4.61
180.0	8.64	8.50	8.35	8.06	7.20	6.62	6.19	5.33	5.18
210.0	7.78	7.34	6.62	6.19	5.62	5.33	5.18	5.04	4.90
240.0	5.04	4.90	4.75	4.61	4.46	4.03	3.89	3.46	3.02
270.0	1.73	1.73	1.73	1.87	1.44	1.58	1.87	1.87	2.02
300.0	3.89	3.74	3.60	3.46	3.17	3.02	2.74	3.02	2.88
330.0	8.50	7.92	7.34	7.06	6.62	5.62	5.04	4.32	3.74
360.0	8.64	8.50	8.06	7.63	6.91	6.91	6.19	5.90	5.47
C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	4.90	4.61	4.18	3.46	2.88	2.16	1.87	1.44	1.58
30.0	3.17	2.45	2.45	2.59	2.30	2.45	2.02	1.87	1.73
60.0	2.45	2.45	2.16	2.16	1.73	1.73	1.87	1.73	1.87
90.0	1.73	1.73	1.73	1.87	1.87	1.87	1.87	1.87	2.02
120.0	2.59	2.16	1.87	2.02	2.02	2.02	2.02	1.87	2.02
150.0	4.61	3.89	3.46	2.59	2.02	2.02	1.87	1.87	2.02
180.0	4.90	4.75	4.61	4.32	2.88	2.16	1.87	1.73	1.44
210.0	4.46	3.89	3.31	2.45	2.02	1.73	1.73	1.73	1.73
240.0	2.30	2.16	2.02	1.87	1.87	1.87	1.87	1.87	1.73
270.0	2.16	1.87	1.87	2.02	2.02	2.02	1.87	2.02	1.87
300.0	2.59	2.45	2.16	2.02	2.02	1.87	2.02	2.02	2.02
330.0	3.74	3.17	2.59	2.45	2.45	2.30	2.16	2.16	2.02
360.0	4.90	4.61	4.18	3.46	2.88	2.16	1.87	1.44	1.58



Intensity data(cd)

C/ $\gamma$ (°)	180.0
0.0	1.58
30.0	1.73
60.0	1.87
90.0	1.87
120.0	1.87
150.0	1.73
180.0	1.58
210.0	1.73
240.0	1.87
270.0	1.87
300.0	1.87
330.0	1.73
360.0	1.58