NATA LIGHTING CO.,LTD
www.nata.cn
Email:info@nata.cn
Tel:+86 0750-377 0000(10 lines) Fax:+86 0750-377 1111
Address:380JinOu Road,Gaoxin Zone,Jiang Men City,Guangdong,China

Nata

Client: NT
LumCAT: 1-1729-LM
Luminaire: 92.70.481.00 LED HOLDER
Report No: 20251127-C006
Ballast type: DC

Test No: 20251127-C006	Voltage(V): 34.530
LampCAT: PHILIPS SLM 1203 L09 1313	Current(A): 0.218
Lamp flux(lm): 1301.0	Power (W): 7.527
Number of Lamps: 1	PF: 0.000
Length(mm): 50	Width(mm): 50
Phm Type: C	Height(mm): 22

Photometric Results

Lumens(lm): 1255.48, Efficiency(%): 96.50% , Luminous Efficacy(lm/W): 166.80
Central intensity(cd): 1375.892, Maximum intensity(cd): 1375.892
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=56.8
[C90/270]Total=56.8
Field angle(10%Imax): [C0/180]Total=89.8
[C90/270]Total=89.8
Maximum s/h(1/2): C0_180=0.84 C90_270=0.84
Maximum s/h(1/4): C0_180=0.90 C90_270=0.90
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 96.50%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.068%

Equipment: GMS1980	Date: 2025/11/27	Operator: YZQ
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 9.28

NT Nata 1-1729-LM

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1375.892	0.000	0	0.00%	0.00%
1.0	1374.869	1.316	1.316	0.10%	0.10%
2.0	1372.038	3.943	5.259	0.30%	0.42%
3.0	1365.440	6.547	11.806	0.50%	0.94%
4.0	1357.667	9.115	20.921	0.70%	1.67%
5.0	1348.108	11.640	32.561	0.89%	2.59%
6.0	1335.094	14.101	46.662	1.08%	3.72%
7.0	1320.701	16.484	63.147	1.27%	5.03%
8.0	1304.801	18.790	81.937	1.44%	6.53%
9.0	1285.898	20.996	102.933	1.61%	8.20%
10.0	1266.382	23.097	126.03	1.78%	10.04%
11.0	1245.078	25.095	151.125	1.93%	12.04%
12.0	1220.933	26.957	178.082	2.07%	14.18%
13.0	1198.467	28.712	206.794	2.21%	16.47%
14.0	1172.825	30.352	237.146	2.33%	18.89%
15.0	1145.525	31.827	268.974	2.45%	21.42%
16.0	1115.922	33.137	302.11	2.55%	24.06%
17.0	1085.748	34.286	336.396	2.64%	26.79%
18.0	1054.617	35.290	371.686	2.71%	29.61%
19.0	1020.708	36.106	407.793	2.78%	32.48%
20.0	983.903	36.690	444.482	2.82%	35.40%
21.0	949.768	37.130	481.613	2.85%	38.36%
22.0	912.543	37.424	519.037	2.88%	41.34%
23.0	875.695	37.522	556.559	2.88%	44.33%
24.0	839.385	37.498	594.057	2.88%	47.32%
25.0	802.602	37.335	631.392	2.87%	50.29%
26.0	769.199	37.103	668.494	2.85%	53.25%
27.0	735.623	36.816	705.31	2.83%	56.18%
28.0	699.658	36.338	741.648	2.79%	59.07%
29.0	668.978	35.807	777.456	2.75%	61.93%
30.0	639.451	35.327	812.783	2.72%	64.74%
31.0	610.666	34.789	847.572	2.67%	67.51%
32.0	582.849	34.193	881.765	2.63%	70.23%
33.0	555.485	33.536	915.301	2.58%	72.90%
34.0	528.789	32.813	948.114	2.52%	75.52%
35.0	501.317	31.991	980.105	2.46%	78.07%
36.0	468.850	30.890	1010.995	2.37%	80.53%
37.0	438.224	29.584	1040.579	2.27%	82.88%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	406.436	28.194	1068.773	2.17%	85.13%
39.0	367.822	26.428	1095.2	2.03%	87.23%
40.0	327.767	24.260	1119.46	1.86%	89.17%
41.0	287.442	21.907	1141.367	1.68%	90.91%
42.0	247.461	19.434	1160.801	1.49%	92.46%
43.0	209.634	16.932	1177.733	1.30%	93.81%
44.0	169.341	14.304	1192.037	1.10%	94.95%
45.0	134.194	11.665	1203.702	0.90%	95.88%
46.0	103.321	9.289	1212.991	0.71%	96.62%
47.0	74.805	7.084	1220.075	0.54%	97.18%
48.0	53.210	5.175	1225.25	0.40%	97.59%
49.0	38.506	3.766	1229.017	0.29%	97.89%
50.0	28.322	2.786	1231.803	0.21%	98.11%
51.0	22.854	2.165	1233.968	0.17%	98.29%
52.0	19.258	1.807	1235.775	0.14%	98.43%
53.0	16.201	1.542	1237.318	0.12%	98.55%
54.0	13.897	1.327	1238.644	0.10%	98.66%
55.0	11.755	1.145	1239.789	0.09%	98.75%
56.0	10.140	0.989	1240.779	0.08%	98.83%
57.0	8.806	0.866	1241.645	0.07%	98.90%
58.0	7.837	0.770	1242.415	0.06%	98.96%
59.0	7.180	0.702	1243.117	0.05%	99.02%
60.0	6.663	0.654	1243.771	0.05%	99.07%
61.0	6.125	0.610	1244.381	0.05%	99.12%
62.0	5.673	0.569	1244.95	0.04%	99.16%
63.0	5.329	0.535	1245.485	0.04%	99.20%
64.0	4.984	0.506	1245.991	0.04%	99.24%
65.0	4.747	0.482	1246.472	0.04%	99.28%
66.0	4.532	0.463	1246.935	0.04%	99.32%
67.0	4.435	0.451	1247.386	0.03%	99.36%
68.0	4.338	0.444	1247.831	0.03%	99.39%
69.0	4.295	0.440	1248.271	0.03%	99.43%
70.0	4.231	0.438	1248.709	0.03%	99.46%
71.0	4.198	0.436	1249.144	0.03%	99.50%
72.0	4.144	0.434	1249.578	0.03%	99.53%
73.0	4.048	0.428	1250.007	0.03%	99.56%
74.0	3.886	0.417	1250.424	0.03%	99.60%
75.0	3.671	0.399	1250.823	0.03%	99.63%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	3.520	0.382	1251.205	0.03%	99.66%
77.0	3.337	0.366	1251.57	0.03%	99.69%
78.0	3.251	0.353	1251.923	0.03%	99.72%
79.0	3.186	0.346	1252.269	0.03%	99.74%
80.0	3.100	0.339	1252.608	0.03%	99.77%
81.0	3.036	0.332	1252.94	0.03%	99.80%
82.0	2.950	0.325	1253.264	0.02%	99.82%
83.0	2.831	0.314	1253.578	0.02%	99.85%
84.0	2.734	0.303	1253.882	0.02%	99.87%
85.0	2.616	0.292	1254.174	0.02%	99.90%
86.0	2.519	0.281	1254.454	0.02%	99.92%
87.0	2.401	0.269	1254.724	0.02%	99.94%
88.0	2.314	0.258	1254.982	0.02%	99.96%
89.0	2.250	0.250	1255.232	0.02%	99.98%
90.0	2.207	0.244	1255.476	0.02%	100.00%

Zonal flux distribution table

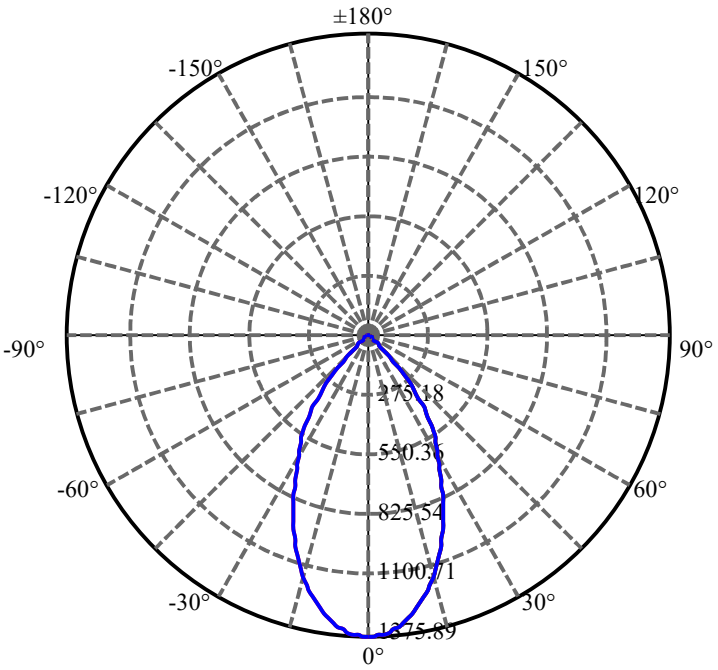
ZONAL LUMEN SUMMARY

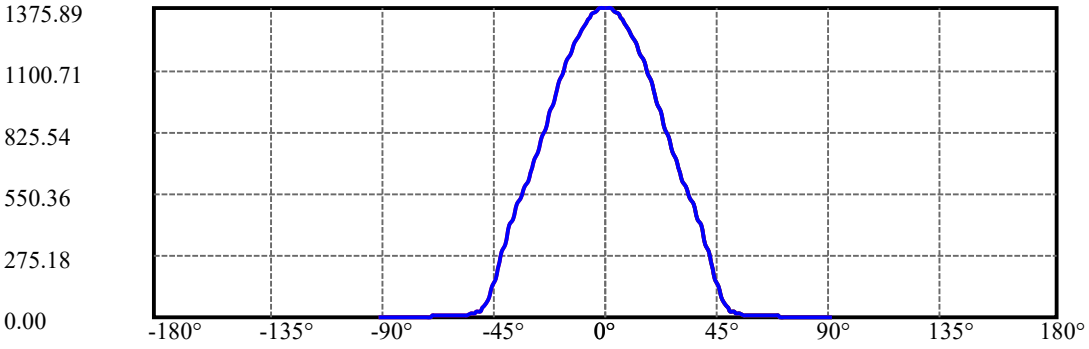
Zone	Lumens	%Lamp	%Fixt
0-30	812.78	62.47%	64.74%
0-40	1119.46	86.05%	89.17%
0-60	1243.77	95.60%	99.07%
0-90	1255.23	96.48%	99.98%
0-120	1255.23	96.48%	99.98%
0-180	1255.48	96.50%	100.00%
60-90	11.46	0.88%	0.91%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-35.79	1004.38	77.20%	80.00%

ZONAL LUMEN SUMMARY

0-10	126.03
10-20	318.45
20-30	368.30
30-40	306.68
40-50	112.34
50-60	11.97
60-70	4.94
70-80	3.90
80-90	2.62
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

Light Distribution Curve [Unit:cd]





C0(Max):

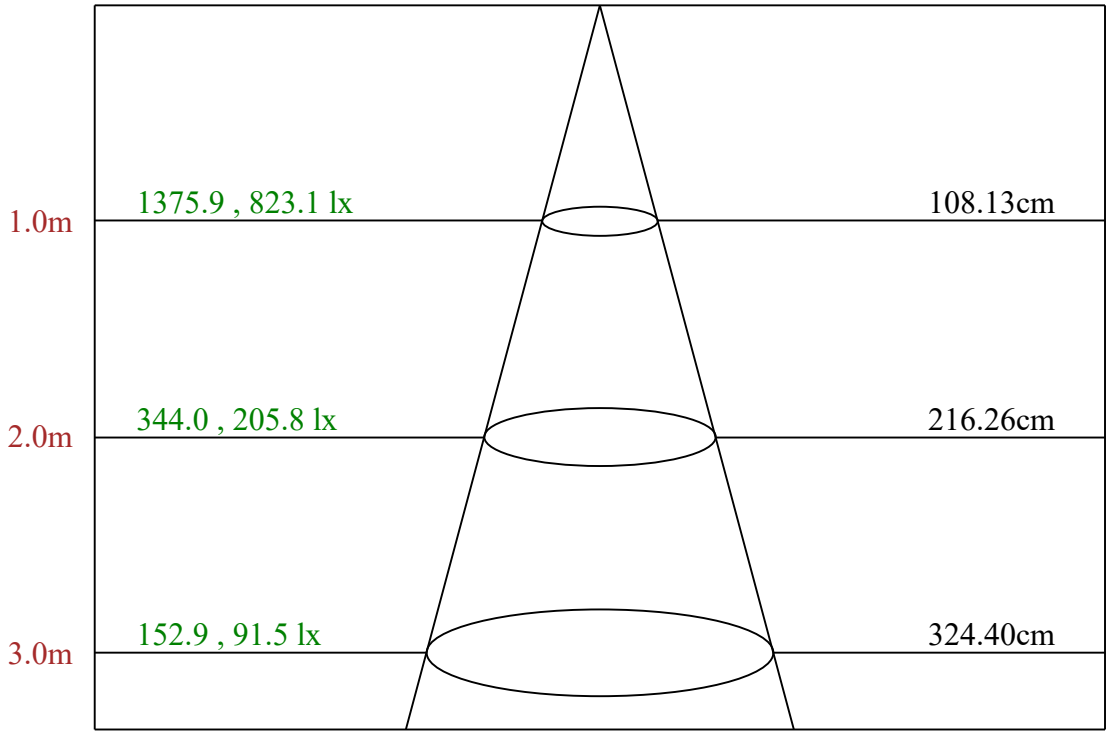
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:44.9 Right:44.9
:C90/270Left:44.9 Right:44.9

Beam Angle(50%Imax):C0/180Left:28.4 Right:28.4
:C90/270Left:28.4 Right:28.4

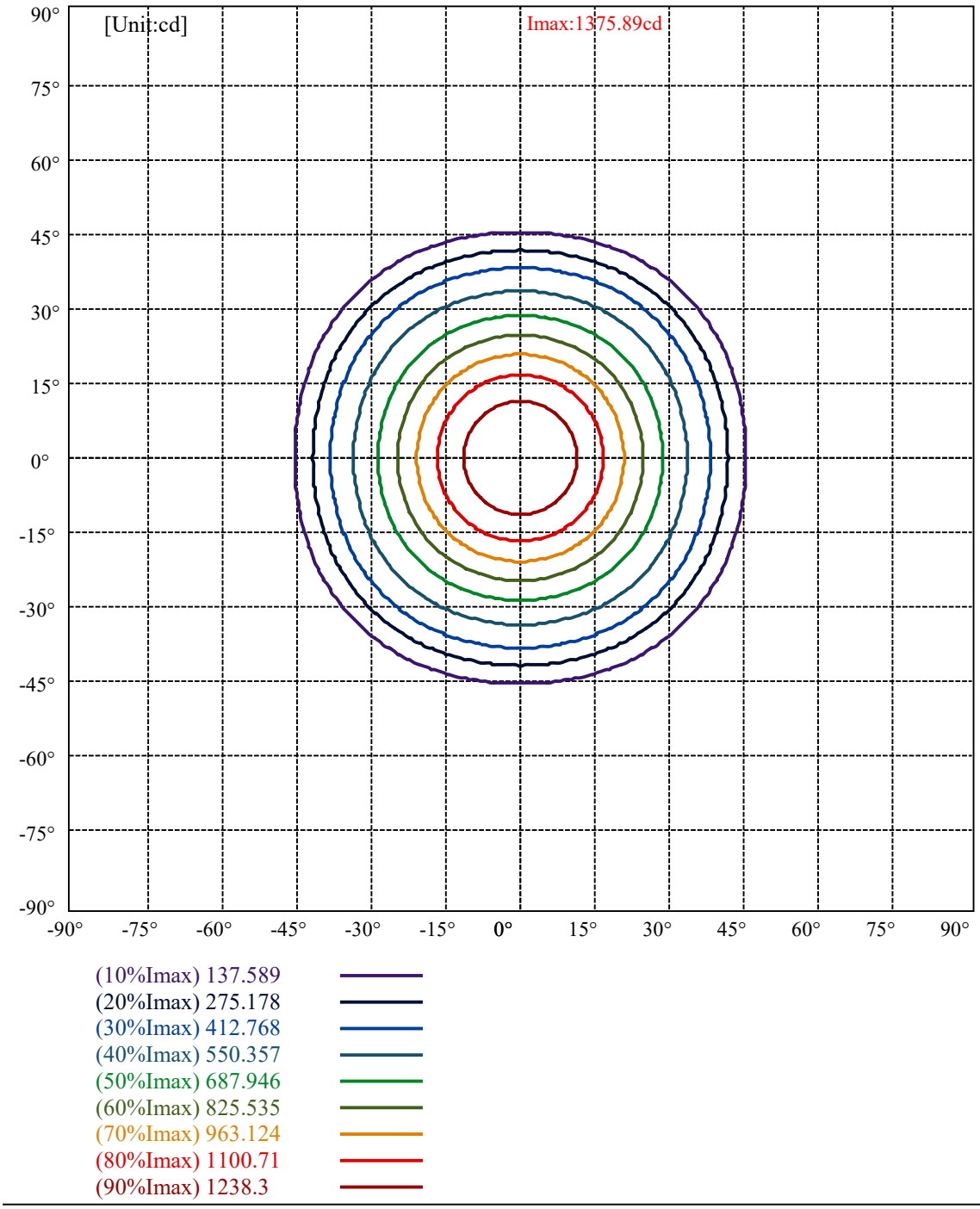
Lux distance Curve



Max , Ave

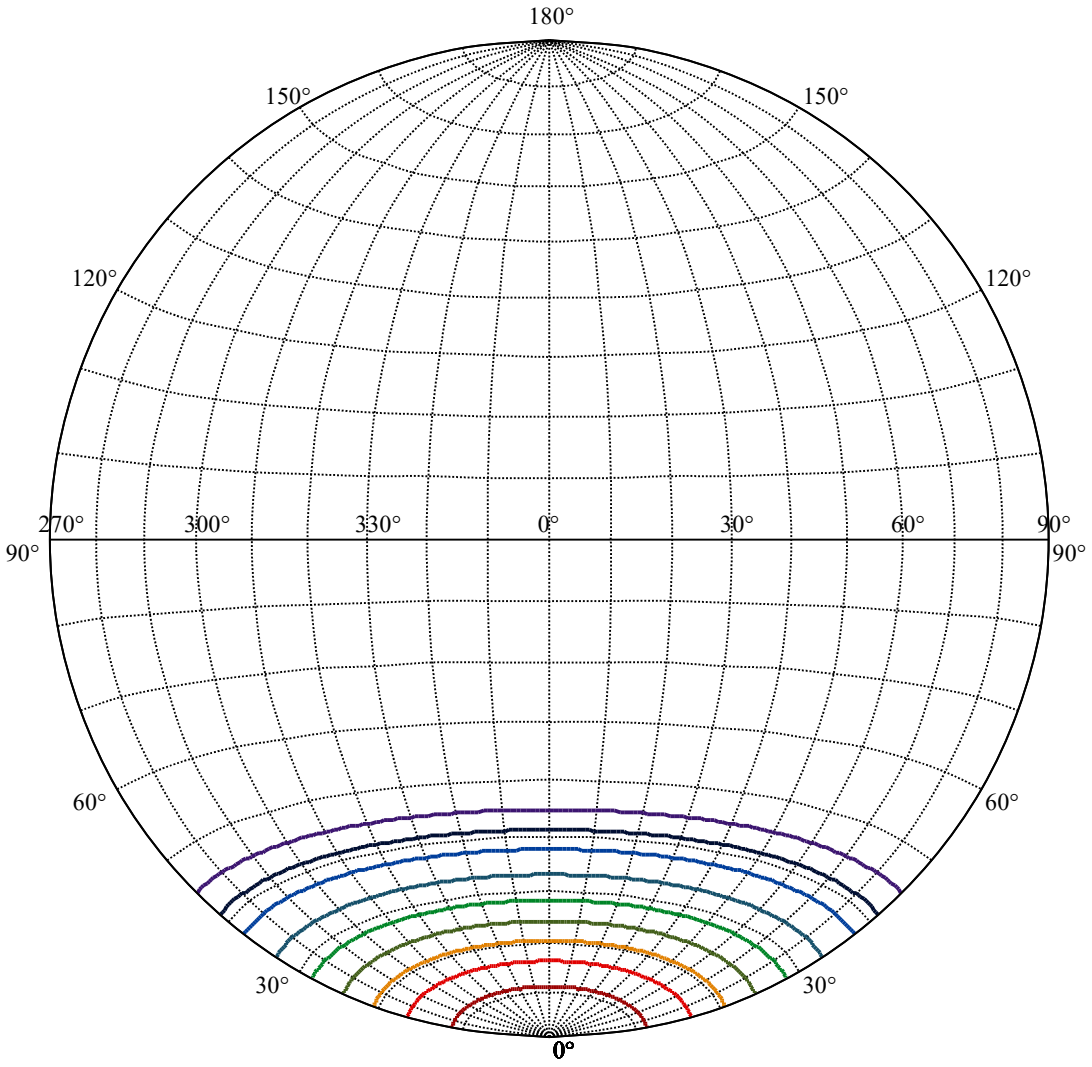
Beam angle of C0 plane 56.80

Equipment: GMS1980	Date: 2025/11/27	Operator: YZQ
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 9.28



Equipment: GMS1980
Temperature(°C): 25.0
Date: 2025/11/27
Humidity(%): 60.0%
Operator: YZQ
Distance(m): 9.28

ISO candela diagram on circular web



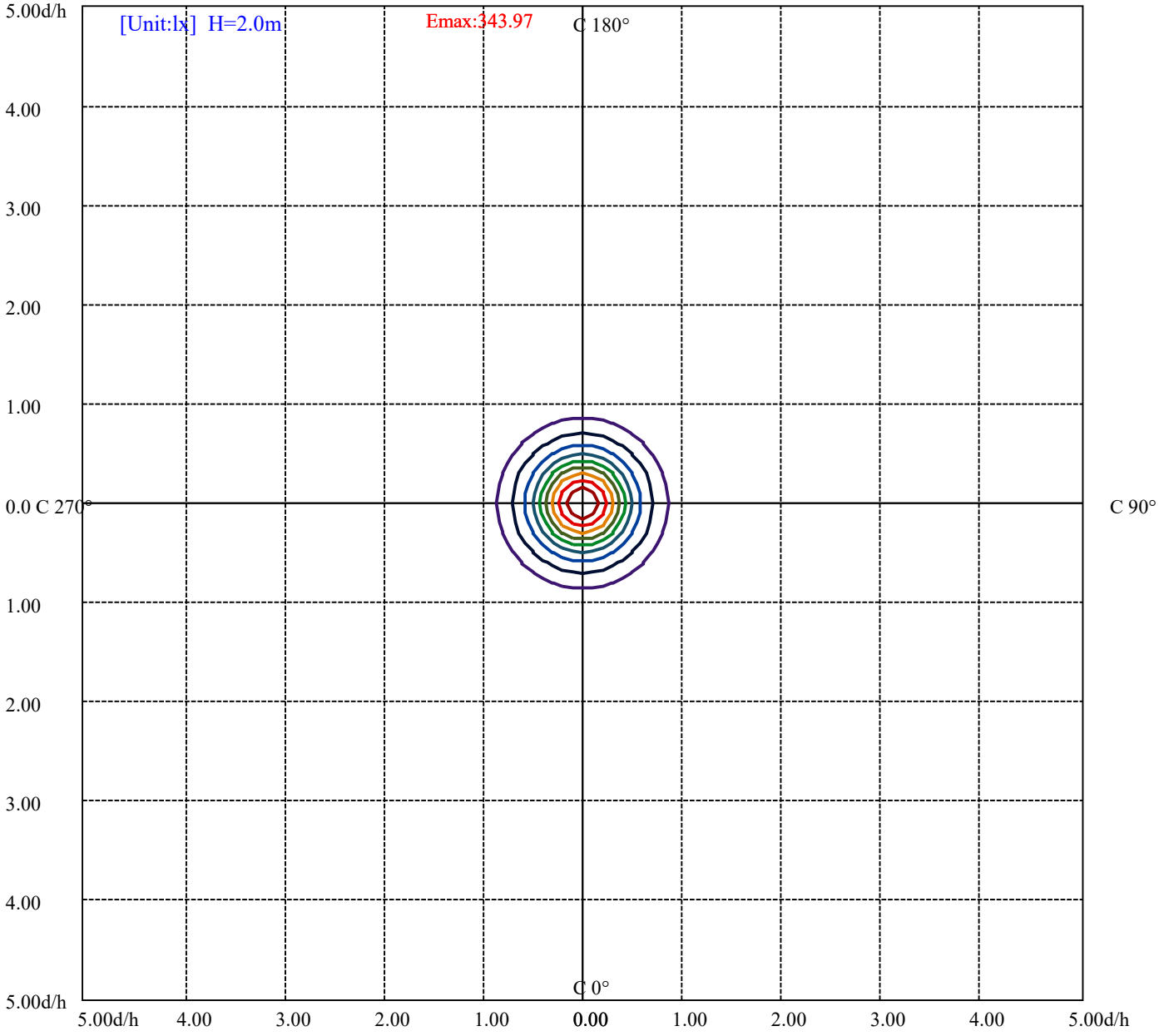
House [Unit:cd] Road

Imax:1375.89

(10%Imax) 137.589
(20%Imax) 275.178
(30%Imax) 412.768
(40%Imax) 550.357
(50%Imax) 687.946
(60%Imax) 825.535
(70%Imax) 963.124
(80%Imax) 1100.71
(90%Imax) 1238.3

NT Nata 1-1729-LM

ISO illuminance diagram

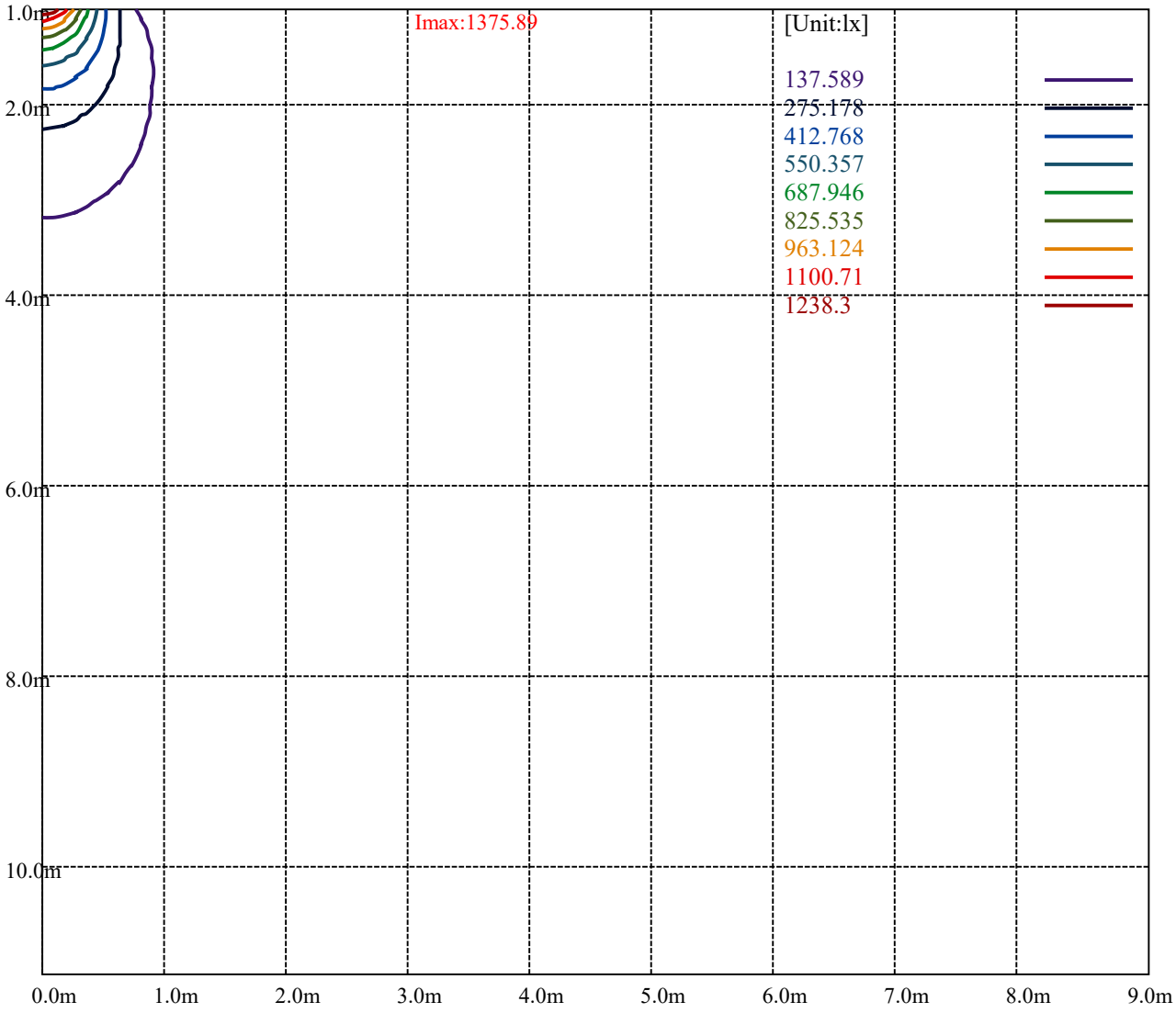


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/11/27
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.28

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/11/27
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.28

NT Nata 1-1729-LM

Luminance Limitting Curve(no luminous side)

Luminance Table

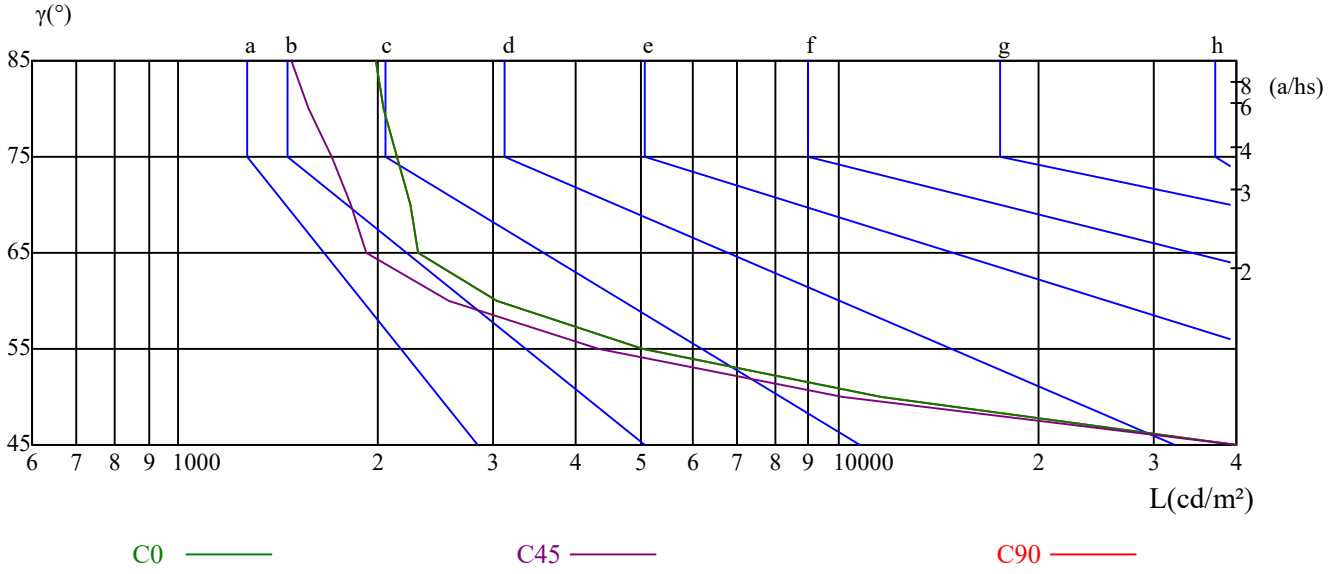
γ	45	50	55	60	65	70	75	80	85
C0	52716	11562	5034	3025	2312	2240	2147	2043	1991
C45	46794	10120	4341	2566	1925	1826	1708	1577	1480
C90	52716	11562	5034	3025	2312	2240	2147	2043	1991

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
4493	4493	4493	5673	5673	5673	12005	12005	12005

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limitting Curve



Equipment: GMS1980
Temperature(°C): 25.0

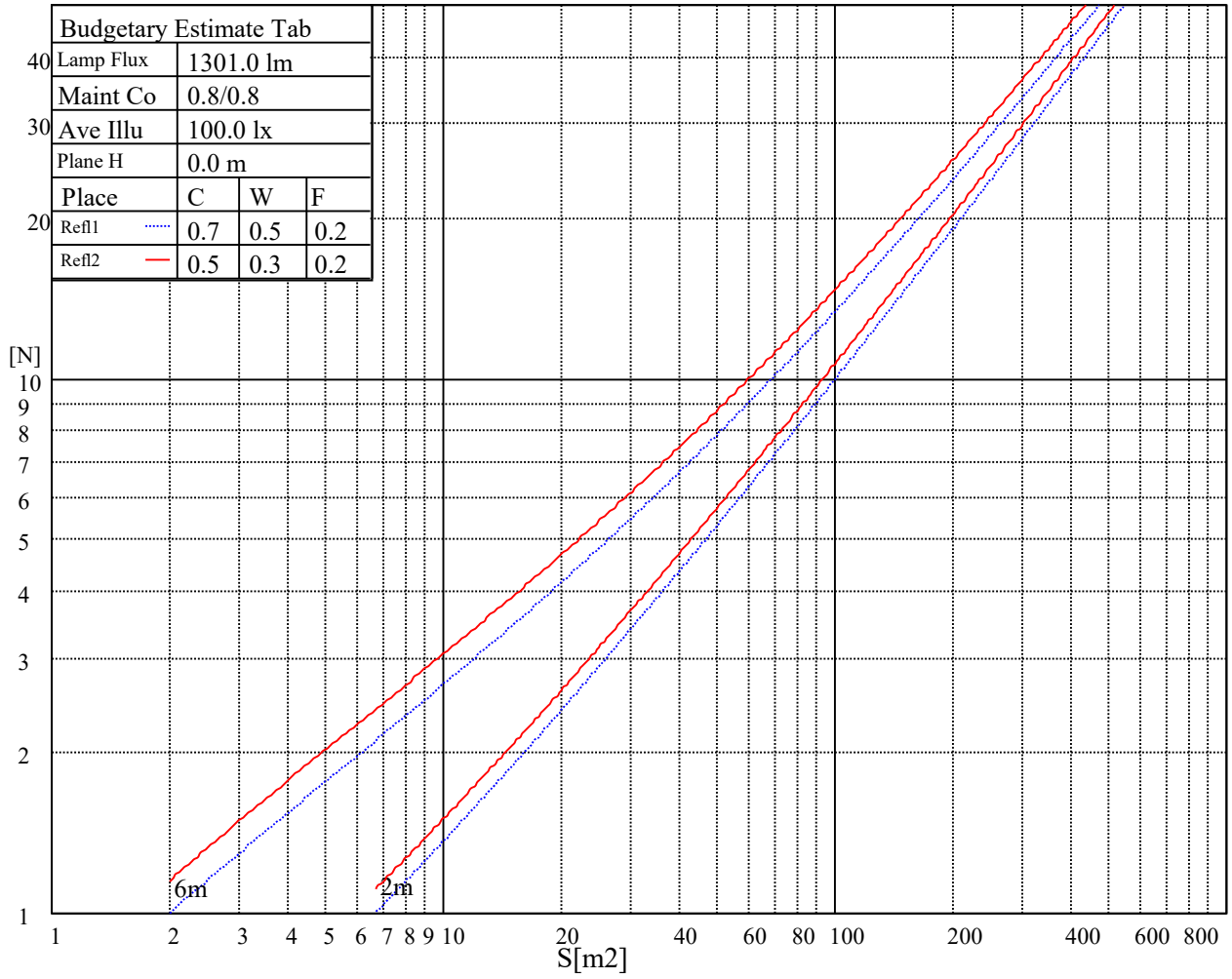
Date: 2025/11/27
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 9.28

Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	22.97	23.99	23.33	24.31	24.62	22.90	23.93	23.26	24.24	24.55
	3H	22.78	23.69	23.17	24.03	24.37	22.71	23.62	23.10	23.96	24.30
	4H	22.69	23.53	23.09	23.88	24.25	22.62	23.46	23.02	23.81	24.18
	6H	22.61	23.38	23.03	23.76	24.15	22.54	23.31	22.96	23.69	24.09
	8H	22.54	23.28	22.96	23.66	24.07	22.48	23.21	22.90	23.59	24.00
	12H	22.48	23.17	22.91	23.57	23.99	22.41	23.11	22.84	23.50	23.92
4H	2H	22.68	23.52	23.08	23.87	24.24	22.61	23.45	23.01	23.80	24.17
	3H	22.46	23.15	22.88	23.55	23.97	22.39	23.09	22.81	23.48	23.90
	4H	22.40	23.00	22.84	23.42	23.87	22.33	22.93	22.77	23.36	23.80
	6H	22.27	22.80	22.75	23.26	23.71	22.21	22.74	22.68	23.19	23.64
	8H	22.23	22.72	22.71	23.18	23.65	22.16	22.65	22.65	23.11	23.58
	12H	22.19	22.64	22.68	23.10	23.61	22.12	22.58	22.61	23.03	23.55
8H	4H	22.20	22.70	22.69	23.15	23.63	22.14	22.63	22.62	23.09	23.56
	6H	22.07	22.48	22.58	22.96	23.47	22.01	22.41	22.51	22.89	23.40
	8H	22.07	22.42	22.61	22.94	23.44	22.01	22.35	22.54	22.87	23.37
	12H	22.04	22.31	22.58	22.83	23.35	21.98	22.24	22.52	22.76	23.28
12H	4H	22.15	22.61	22.64	23.06	23.58	22.09	22.54	22.58	22.99	23.51
	6H	22.06	22.40	22.59	22.92	23.42	21.99	22.34	22.53	22.86	23.35
	8H	22.02	22.29	22.57	22.81	23.33	21.96	22.23	22.50	22.74	23.27
Variation with the observer position at spacings:											
S = 1.0H		3.5/-12.6					3.5/-12.6				
S = 1.5H		6.3/-12.7					6.3/-12.7				
S = 2.0H		8.2/-12.0					8.2/-12.0				
Standard tables:		BK0					BK0				
Uncorrected UGR		3.0					3.0				

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25

Budgetary Estimate Table



Equipment: GMS1980 Date: 2025/11/27 Operator: YZQ
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 9.28

Utilization factor table for indoor luminaire

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.15	1.15	1.15	1.12	1.12	1.12	1.07	1.07	1.07	1.03	1.03	1.03	0.98	0.98	0.98	0.97
1	1.06	1.04	1.02	1.04	1.02	1.00	1.00	0.99	0.97	0.97	0.95	0.94	0.94	0.92	0.91	0.90
2	0.99	0.95	0.91	0.97	0.93	0.90	0.94	0.91	0.88	0.91	0.89	0.86	0.88	0.86	0.85	0.83
3	0.92	0.87	0.83	0.90	0.86	0.82	0.88	0.84	0.81	0.85	0.82	0.79	0.83	0.81	0.78	0.77
4	0.85	0.80	0.76	0.84	0.79	0.75	0.82	0.78	0.74	0.80	0.76	0.73	0.78	0.75	0.72	0.71
5	0.80	0.74	0.69	0.79	0.73	0.69	0.77	0.72	0.69	0.75	0.71	0.68	0.74	0.70	0.67	0.66
6	0.74	0.68	0.64	0.74	0.68	0.64	0.72	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.63	0.61
7	0.70	0.64	0.59	0.69	0.63	0.59	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.61	0.58	0.57
8	0.65	0.59	0.55	0.65	0.59	0.55	0.64	0.59	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.53
9	0.62	0.56	0.52	0.61	0.55	0.52	0.60	0.55	0.51	0.59	0.55	0.51	0.58	0.54	0.51	0.50
10	0.58	0.52	0.48	0.58	0.52	0.48	0.57	0.52	0.48	0.56	0.51	0.48	0.55	0.51	0.48	0.47

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	1374.28	1377.81	1377.55	1374.11	1369.20	1361.10	1353.01	1342.76	1329.67
45.0	1373.85	1376.69	1378.76	1377.64	1373.07	1366.70	1358.52	1346.72	1335.27
90.0	1378.07	1379.27	1376.34	1372.12	1365.84	1356.54	1342.50	1329.58	1314.25
135.0	1377.38	1379.19	1379.10	1376.26	1369.37	1363.08	1354.56	1341.04	1328.12
180.0	1374.28	1370.49	1364.89	1355.93	1346.46	1336.39	1319.76	1304.87	1284.20
225.0	1373.85	1367.39	1361.27	1349.48	1338.80	1325.28	1306.33	1289.54	1269.73
270.0	1378.07	1375.83	1371.69	1362.82	1354.47	1344.48	1332.34	1314.08	1297.80
315.0	1377.38	1372.30	1366.70	1355.16	1344.14	1331.30	1313.74	1297.03	1279.37
360.0	1374.28	1377.81	1377.55	1374.11	1369.20	1361.10	1353.01	1342.76	1329.67

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1311.76	1296.68	1281.10	1257.59	1236.66	1209.71	1187.23	1163.03	1136.33
45.0	1321.66	1305.38	1283.77	1265.94	1247.08	1226.76	1197.99	1173.19	1142.02
90.0	1292.29	1273.17	1246.74	1224.09	1199.54	1174.83	1142.27	1114.63	1085.95
135.0	1313.39	1298.06	1280.24	1255.09	1234.34	1211.77	1181.46	1156.40	1129.87
180.0	1263.79	1244.32	1222.62	1194.20	1171.73	1148.82	1124.10	1089.74	1061.75
225.0	1248.46	1222.28	1198.68	1174.83	1150.54	1119.63	1092.58	1062.87	1023.69
270.0	1275.07	1255.35	1233.99	1204.88	1181.37	1156.40	1130.65	1095.60	1065.28
315.0	1260.77	1235.80	1213.49	1190.85	1166.47	1134.70	1107.91	1071.92	1041.09
360.0	1311.76	1296.68	1281.10	1257.59	1236.66	1209.71	1187.23	1163.03	1136.33

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1101.71	1072.86	1042.55	1009.39	966.25	931.03	894.25	849.47	814.94
45.0	1116.87	1089.05	1051.16	1020.24	988.47	955.83	913.72	880.39	848.44
90.0	1056.50	1018.18	986.23	952.73	909.50	874.88	840.60	799.35	768.18
135.0	1095.94	1067.61	1030.75	998.54	966.25	932.83	889.95	855.07	819.59
180.0	1032.73	1002.93	961.17	926.89	885.90	855.07	822.09	781.61	751.90
225.0	991.57	950.40	915.18	880.13	847.49	810.46	780.40	750.52	721.93
270.0	1033.68	1000.87	956.69	919.92	883.32	838.53	803.57	769.30	727.36
315.0	1007.93	963.75	927.50	890.29	853.17	806.93	770.50	735.11	701.26
360.0	1101.71	1072.86	1042.55	1009.39	966.25	931.03	894.25	849.47	814.94

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	780.49	738.38	706.34	668.54	640.20	613.08	586.12	557.53	524.89
45.0	815.54	774.55	743.89	715.30	681.54	655.36	631.16	601.19	574.67
90.0	737.78	700.83	673.62	647.61	617.30	593.53	569.07	543.92	514.13
135.0	784.88	740.70	706.60	674.65	644.17	606.27	579.92	546.08	519.21
180.0	722.71	694.03	657.69	631.94	607.82	581.64	547.71	522.22	498.37
225.0	689.55	664.40	640.03	616.87	587.41	564.42	536.78	514.56	486.22
270.0	694.20	656.31	624.96	597.58	571.74	539.45	512.23	486.91	461.85
315.0	659.84	628.06	598.70	563.13	535.14	509.05	480.89	457.89	431.19
360.0	780.49	738.38	706.34	668.54	640.20	613.08	586.12	557.53	524.89

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	500.52	472.10	439.20	394.34	356.79	319.84	271.79	233.04	187.82
45.0	542.89	518.35	490.36	457.20	411.73	371.69	333.45	295.90	247.25
90.0	490.79	463.66	433.69	391.75	356.10	309.34	271.53	232.52	185.84
135.0	492.94	462.71	436.02	406.56	373.24	327.08	294.09	258.53	222.70
180.0	461.08	425.42	392.61	348.52	310.46	268.95	223.74	185.84	148.38
225.0	444.20	408.55	370.57	332.33	284.02	245.18	207.55	171.03	127.37
270.0	426.54	396.58	365.57	323.81	286.60	250.69	205.48	170.26	137.01
315.0	391.84	358.42	323.46	288.07	243.20	206.77	172.06	129.95	98.35
360.0	500.52	472.10	439.20	394.34	356.79	319.84	271.79	233.04	187.82

Intensity data(cd)

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	150.45	119.88	81.81	57.70	38.58	27.13	21.44	18.60	15.85
45.0	207.98	169.91	125.82	94.30	67.34	44.61	33.67	28.68	24.20
90.0	150.62	115.31	87.15	57.79	40.82	30.06	25.06	21.10	18.17
135.0	180.42	147.61	114.80	79.57	55.37	35.39	26.01	21.62	18.08
180.0	117.98	81.90	57.10	38.93	28.25	23.17	19.81	16.79	13.52
225.0	96.54	70.19	47.80	36.86	31.95	26.87	23.17	19.03	16.28
270.0	98.86	74.15	54.34	38.93	27.47	23.68	20.32	17.40	14.30
315.0	70.70	47.62	29.62	21.62	18.26	15.67	13.35	10.85	9.21
360.0	150.45	119.88	81.81	57.70	38.58	27.13	21.44	18.60	15.85

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	13.52	11.02	9.39	8.10	7.15	6.72	6.29	5.68	5.17
45.0	20.93	18.00	15.50	12.83	11.28	10.16	9.30	8.35	7.58
90.0	15.59	12.92	11.11	9.56	8.18	7.32	6.72	6.11	5.77
135.0	15.42	13.09	11.11	9.13	7.84	7.06	6.63	6.11	5.68
180.0	11.45	9.30	8.10	7.23	6.54	6.11	5.77	5.43	5.08
225.0	14.04	12.23	10.68	9.65	8.87	8.10	7.41	6.72	6.20
270.0	12.23	10.51	8.87	8.10	7.32	6.72	6.29	5.94	5.43
315.0	8.01	6.98	6.37	5.86	5.51	5.25	4.91	4.65	4.48
360.0	13.52	11.02	9.39	8.10	7.15	6.72	6.29	5.68	5.17

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	4.91	4.48	4.31	4.13	4.13	3.96	4.05	4.05	4.05
45.0	6.89	6.20	5.68	5.25	4.99	4.74	4.65	4.48	4.39
90.0	5.34	5.08	4.74	4.56	4.48	4.31	4.22	4.22	4.22
135.0	5.34	4.99	4.74	4.48	4.31	4.22	4.13	4.05	4.05
180.0	4.82	4.56	4.48	4.31	4.22	4.22	4.13	4.22	4.22
225.0	5.86	5.43	5.17	4.99	4.91	4.82	4.74	4.65	4.65
270.0	5.17	4.91	4.74	4.48	4.39	4.39	4.31	4.05	3.96
315.0	4.31	4.22	4.13	4.05	4.05	4.05	4.13	4.13	4.05
360.0	4.91	4.48	4.31	4.13	4.13	3.96	4.05	4.05	4.05

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	4.13	4.13	4.05	3.70	3.44	3.27	3.27	3.19	3.10
45.0	4.39	4.39	4.39	4.22	3.96	3.70	3.53	3.44	3.36
90.0	4.31	4.22	3.96	3.70	3.53	3.36	3.27	3.27	3.19
135.0	4.05	4.13	4.13	3.96	3.79	3.53	3.36	3.36	3.19
180.0	4.22	4.13	3.79	3.53	3.36	3.27	3.19	3.10	3.01
225.0	4.39	4.05	3.79	3.62	3.53	3.27	3.19	3.10	3.01
270.0	3.79	3.70	3.53	3.36	3.27	3.19	3.10	3.01	3.01
315.0	3.88	3.62	3.44	3.27	3.27	3.10	3.10	3.01	2.93
360.0	4.13	4.13	4.05	3.70	3.44	3.27	3.27	3.19	3.10

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.10	3.01	2.93	2.93	2.76	2.58	2.50	2.41	2.33
45.0	3.27	3.10	3.01	3.01	2.93	2.76	2.58	2.41	2.33
90.0	3.10	3.01	2.93	2.84	2.76	2.58	2.41	2.41	2.41
135.0	3.27	3.10	3.01	2.93	2.84	2.76	2.50	2.41	2.41
180.0	2.93	2.84	2.76	2.58	2.41	2.41	2.33	2.33	2.15
225.0	2.93	2.84	2.58	2.50	2.33	2.33	2.24	2.15	2.07
270.0	2.93	2.84	2.76	2.58	2.50	2.33	2.33	2.24	2.15
315.0	2.76	2.84	2.67	2.50	2.41	2.41	2.33	2.15	2.15
360.0	3.10	3.01	2.93	2.93	2.76	2.58	2.50	2.41	2.33

Intensity data(cd)

C/γ(°)	90.0
0.0	2.33
45.0	2.33
90.0	2.24
135.0	2.33
180.0	2.15
225.0	2.07
270.0	2.15
315.0	2.07
360.0	2.33