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Nata

LumCAT: 1-0942-N	
Luminaire: 92.70.360.00	
Report No: 220511-B006	Voltage(V): 35.8300
Test No: 220511-C006	Current(A): 0.2010
LampCAT: LUMILEDS 1202 LES6.5	Power (W): 7.2010
Lamp flux(lm): 910.1	PF: 0.0000
Number of Lamps: 1	Ballast type: DC
Length(mm): 43	Width(mm): 43
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 732.41
Efficiency(%): 80.48%
Lumens(lm)/Power(W): 101.71
Central intensity(cd): 2073.874
Maximum intensity(cd): 2073.874
Angle of maximum intensity: C=0.0 γ =0.0
Beam Angle(50%Imax): [C0/180]Total=33.0
 [C90/270]Total=33.0
Field angle(10%Imax): [C0/180]Total=56.3
 [C90/270]Total=56.3
Maximum s/h(1/2): C0_180=0.54 C90_270=0.54
Maximum s/h(1/4): C0_180=0.55 C90_270=0.55
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 80.48%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.120%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2022/5/11
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.73

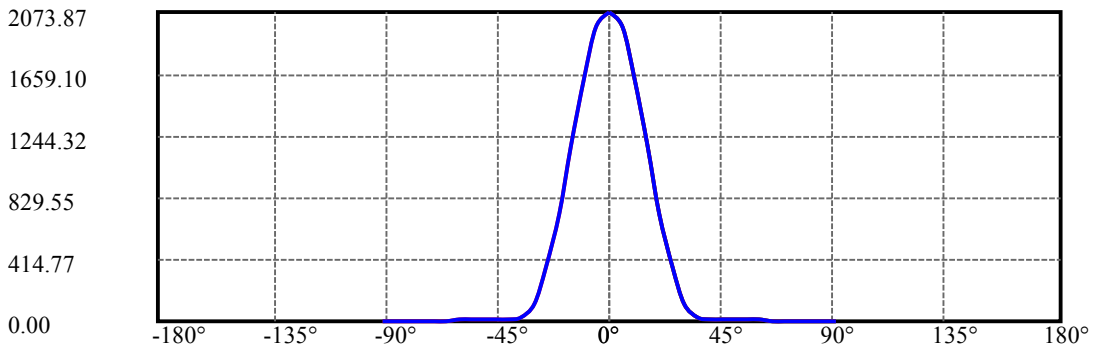
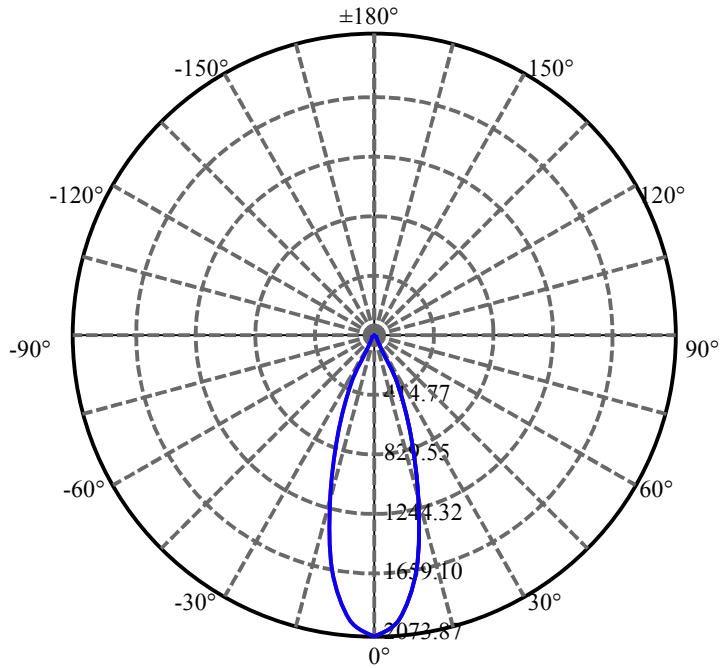
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2073.874	0.000	0	.000%	.000%
5.0	1969.007	48.331	48.331	5.311%	6.599%
10.0	1639.844	129.100	177.431	14.185%	24.226%
15.0	1172.359	166.818	344.249	18.330%	47.003%
20.0	727.305	156.559	500.808	17.203%	68.379%
25.0	363.962	114.454	615.262	12.576%	84.006%
30.0	114.808	60.589	675.851	6.657%	92.278%
35.0	21.466	20.067	695.918	2.205%	95.018%
40.0	15.043	6.091	702.01	.669%	95.850%
45.0	11.727	4.957	706.966	.545%	96.527%
50.0	9.762	4.342	711.308	.477%	97.119%
55.0	8.134	3.891	715.199	.428%	97.651%
60.0	6.737	3.437	718.637	.378%	98.120%
65.0	5.452	2.963	721.6	.326%	98.525%
70.0	4.631	2.553	724.153	.281%	98.873%
75.0	4.123	2.288	726.441	.251%	99.186%
80.0	3.809	2.122	728.564	.233%	99.475%
85.0	3.615	2.017	730.581	.222%	99.751%
90.0	3.047	1.824	732.405	.200%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	675.85	74.26%	92.28%
0-40	702.01	77.14%	95.85%
0-60	718.64	78.96%	98.12%
0-90	730.58	80.28%	99.75%
0-120	730.58	80.28%	99.75%
0-180	732.41	80.48%	100.00%
60-90	15.38	1.69%	2.10%
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%
0-23.72	585.92	64.38%	80.00%

ZONAL LUMEN SUMMARY

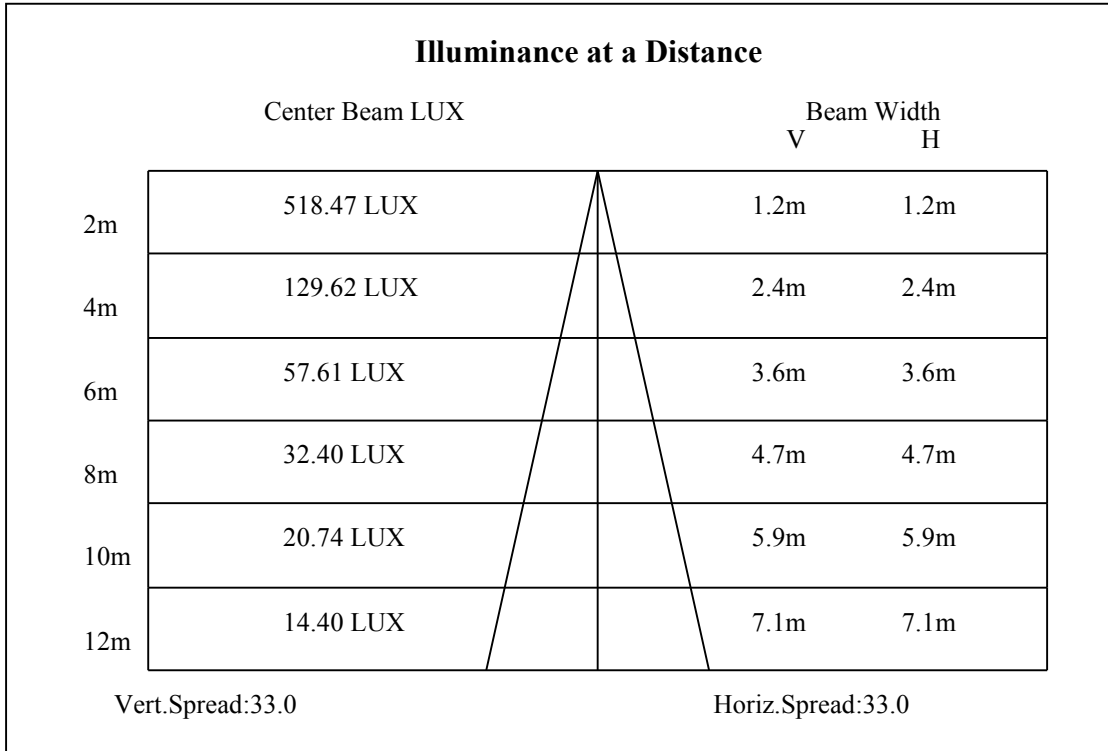
0-10	177.43
10-20	323.38
20-30	175.04
30-40	26.16
40-50	9.30
50-60	7.33
60-70	5.52
70-80	4.41
80-90	2.02
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

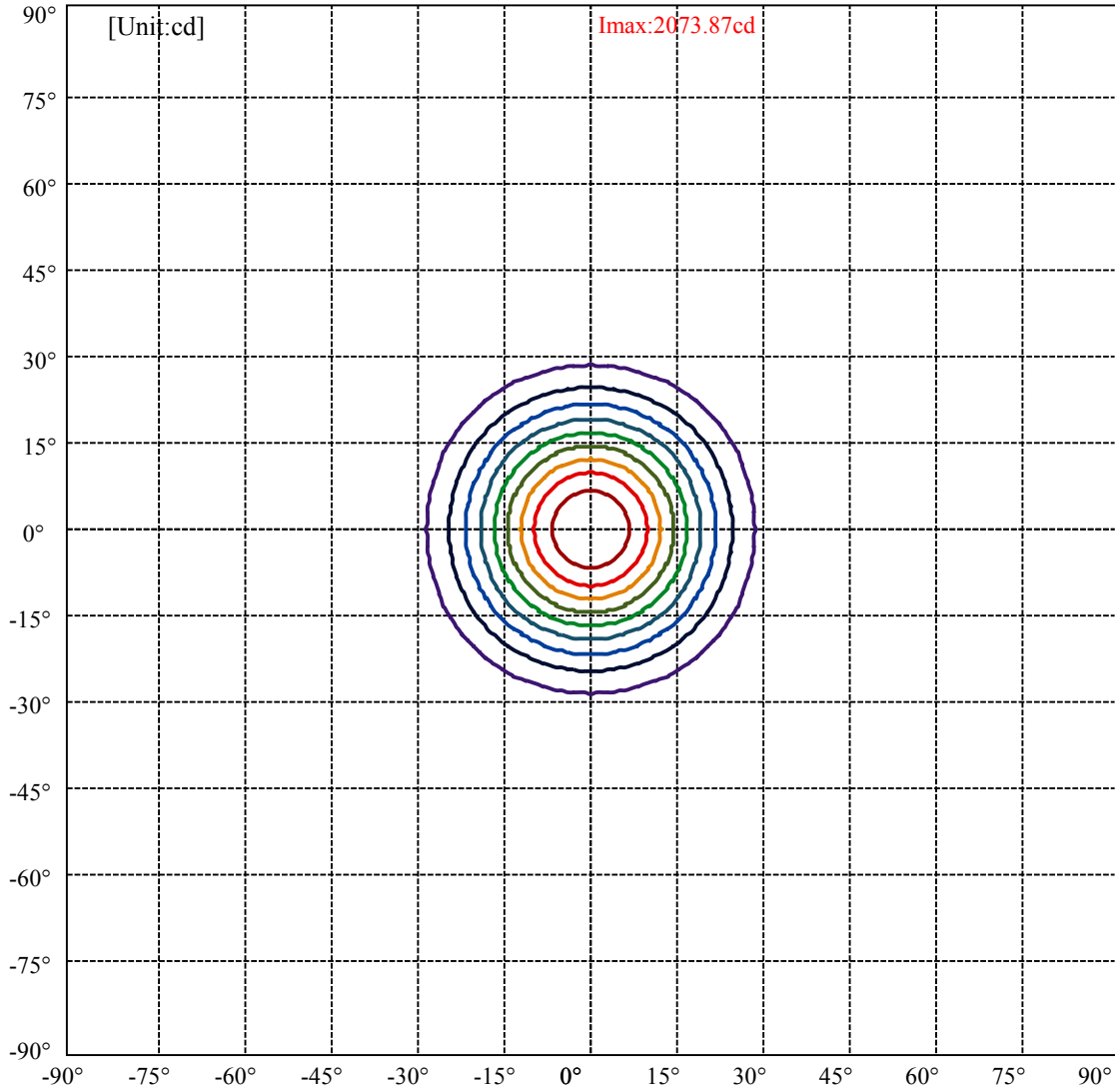


C0(Max): —————
C0/C180: —————
C90/C270: —————

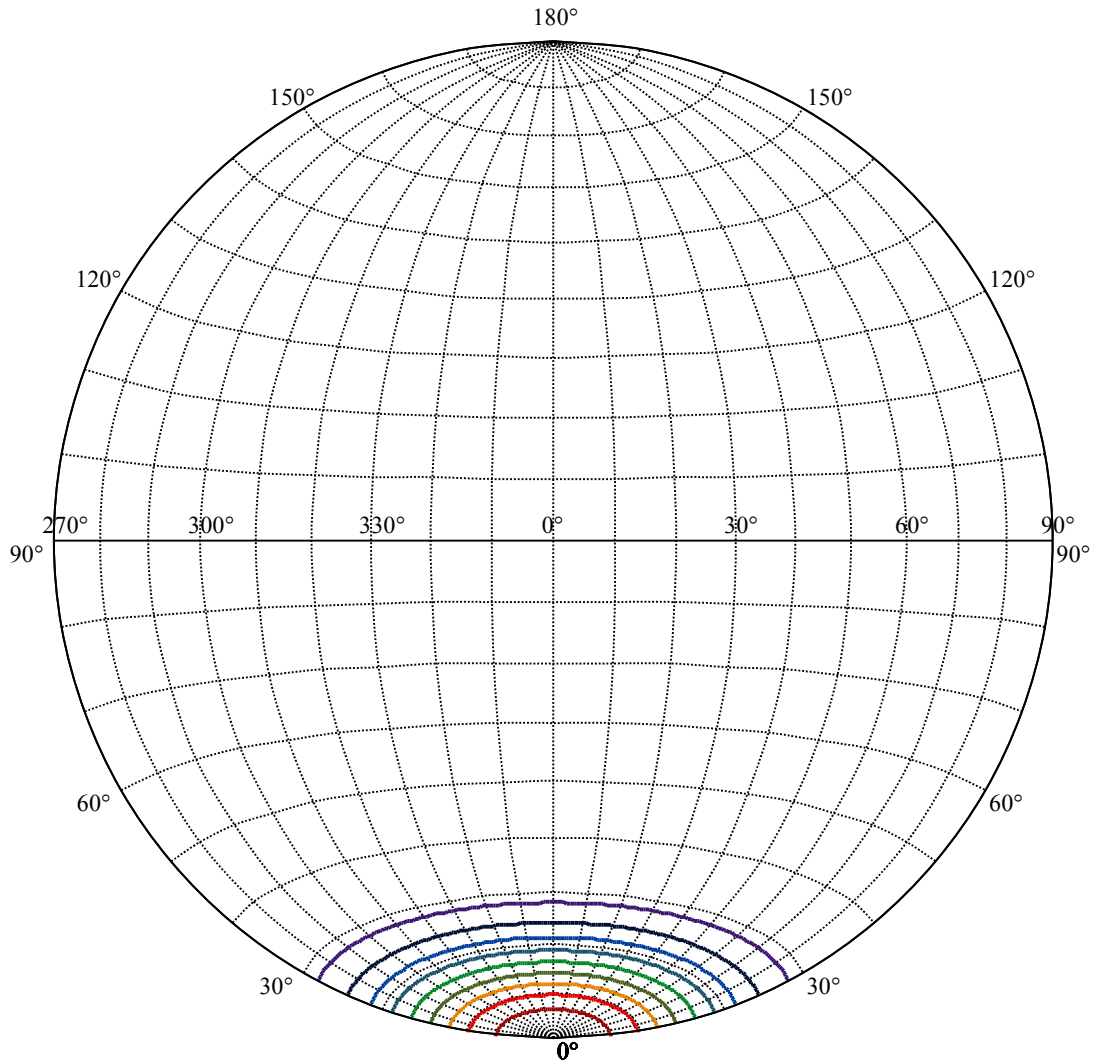
Field angle(10%Imax):C0/180Left:28.1 Right:28.1
:C90/270Left:28.1 Right:28.1

Beam Angle(50%Imax):C0/180Left:16.5 Right:16.5
:C90/270Left:16.5 Right:16.5





(10%Imax) 207.387	—
(20%Imax) 414.775	—
(30%Imax) 622.162	—
(40%Imax) 829.549	—
(50%Imax) 1036.94	—
(60%Imax) 1244.32	—
(70%Imax) 1451.71	—
(80%Imax) 1659.1	—
(90%Imax) 1866.49	—



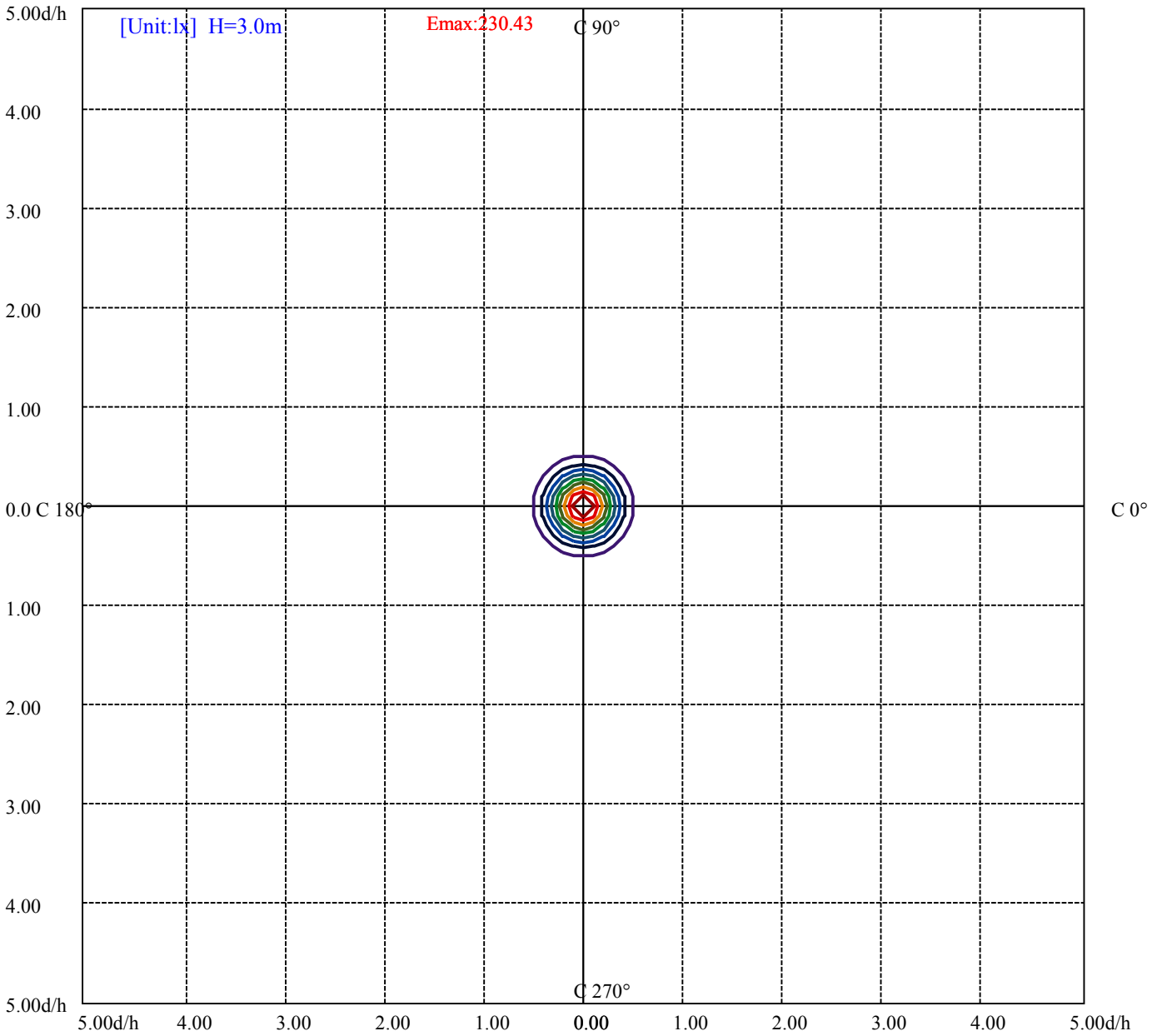
House

[Unit:cd]

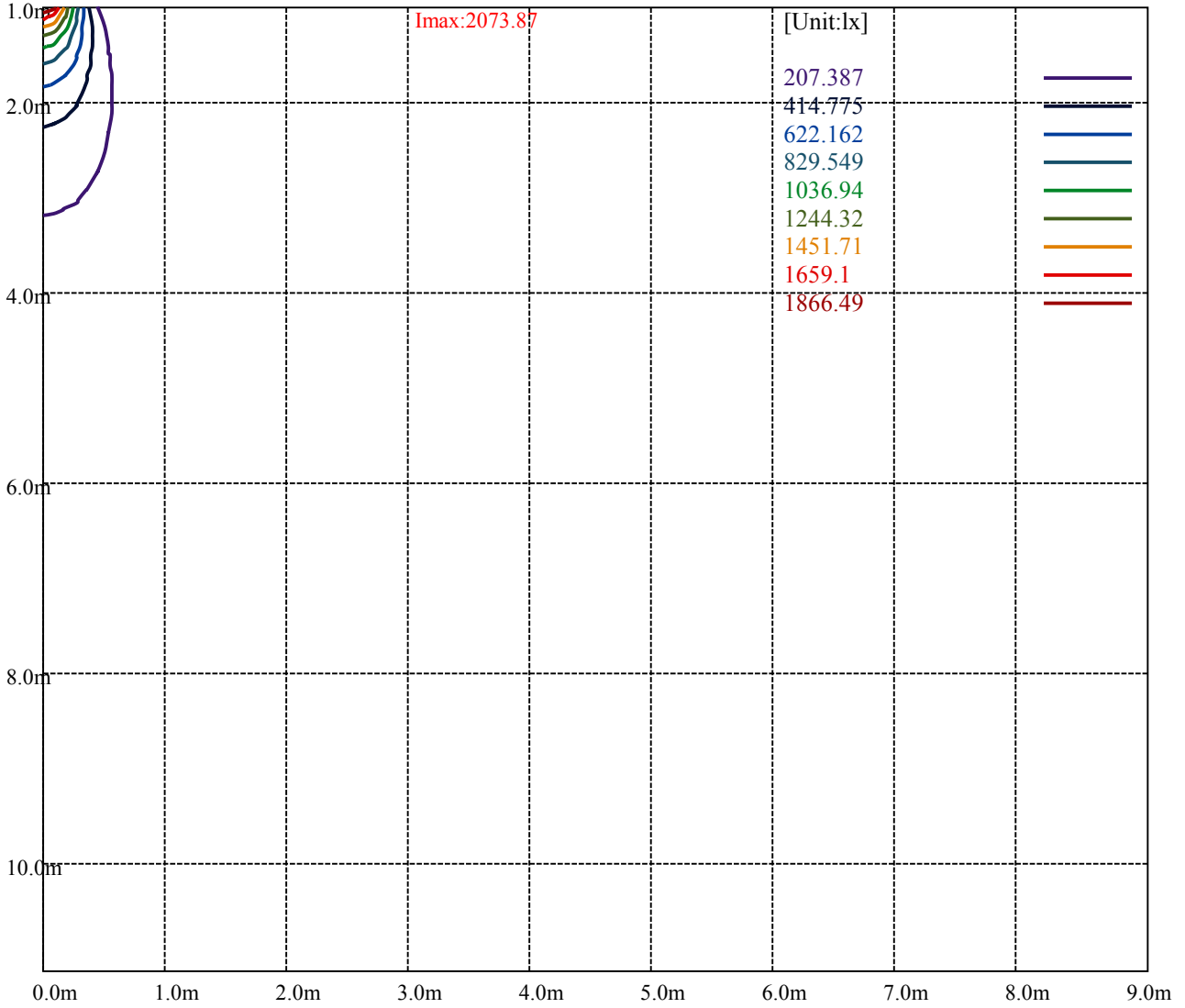
Road

Imax:2073.87

(10%Imax) 207.387	—
(20%Imax) 414.775	—
(30%Imax) 622.162	—
(40%Imax) 829.549	—
(50%Imax) 1036.94	—
(60%Imax) 1244.32	—
(70%Imax) 1451.71	—
(80%Imax) 1659.1	—
(90%Imax) 1866.49	—



- (10%Emax) 23.043
- (20%Emax) 46.086
- (30%Emax) 69.129
- (40%Emax) 92.172
- (50%Emax) 115.2155
- (60%Emax) 138.2578
- (70%Emax) 161.3011
- (80%Emax) 184.3444
- (90%Emax) 207.3867



Luminance Table

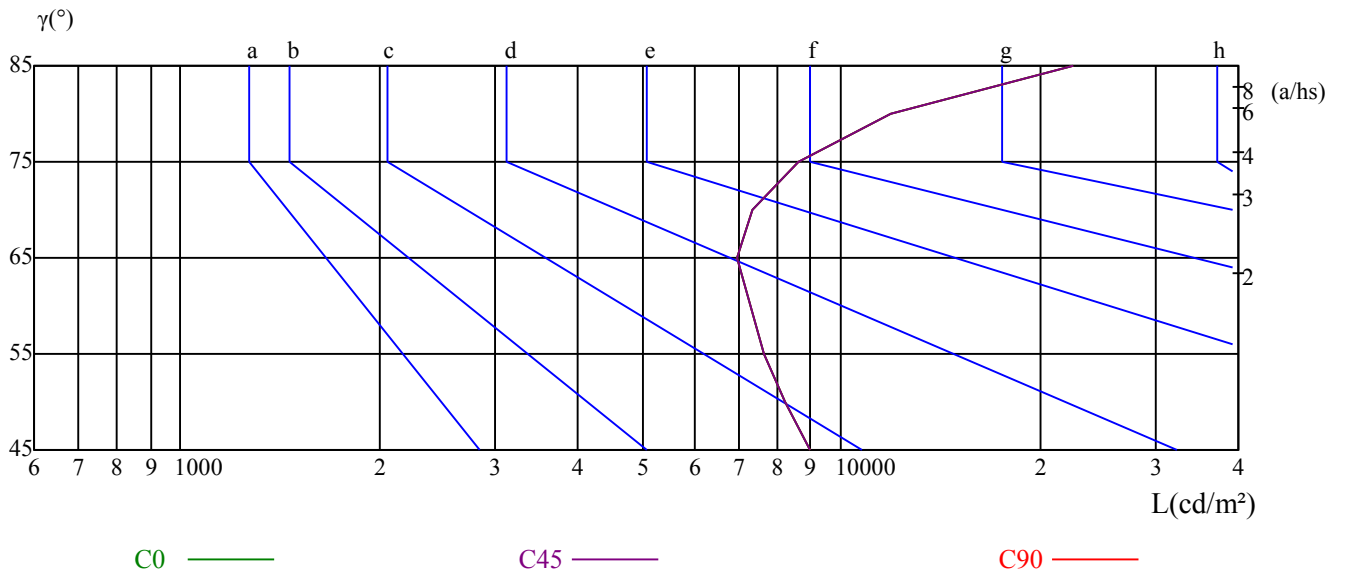
γ	45	50	55	60	65	70	75	80	85
C0	8969	8214	7670	7287	6978	7323	8615	11864	22433
C45	8969	8214	7670	7287	6978	7323	8615	11864	22433
C90	8969	8214	7670	7287	6978	7323	8615	11864	22433

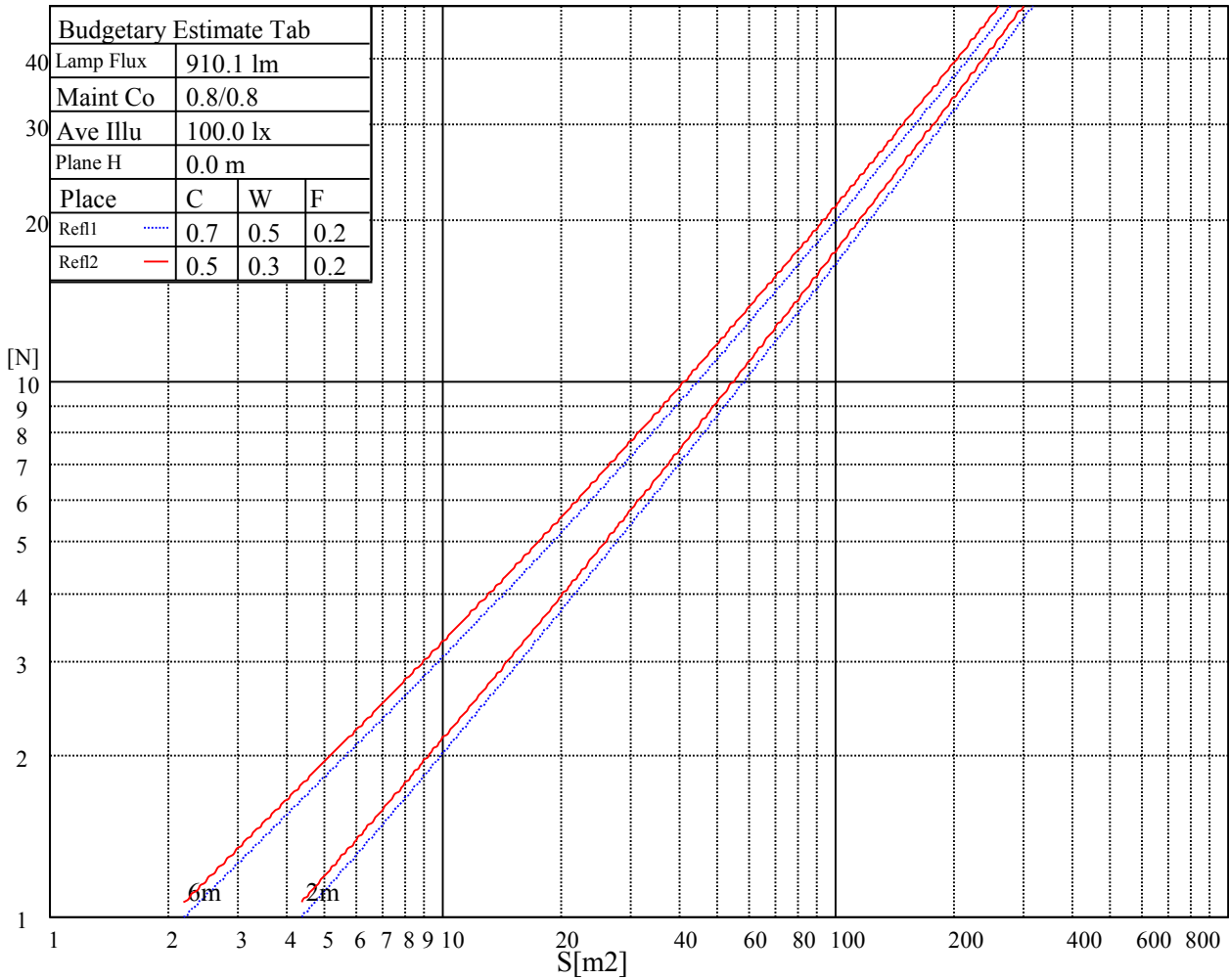
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
6978	6978	6978	8615	8615	8615	22433	22433	22433

Glare Table

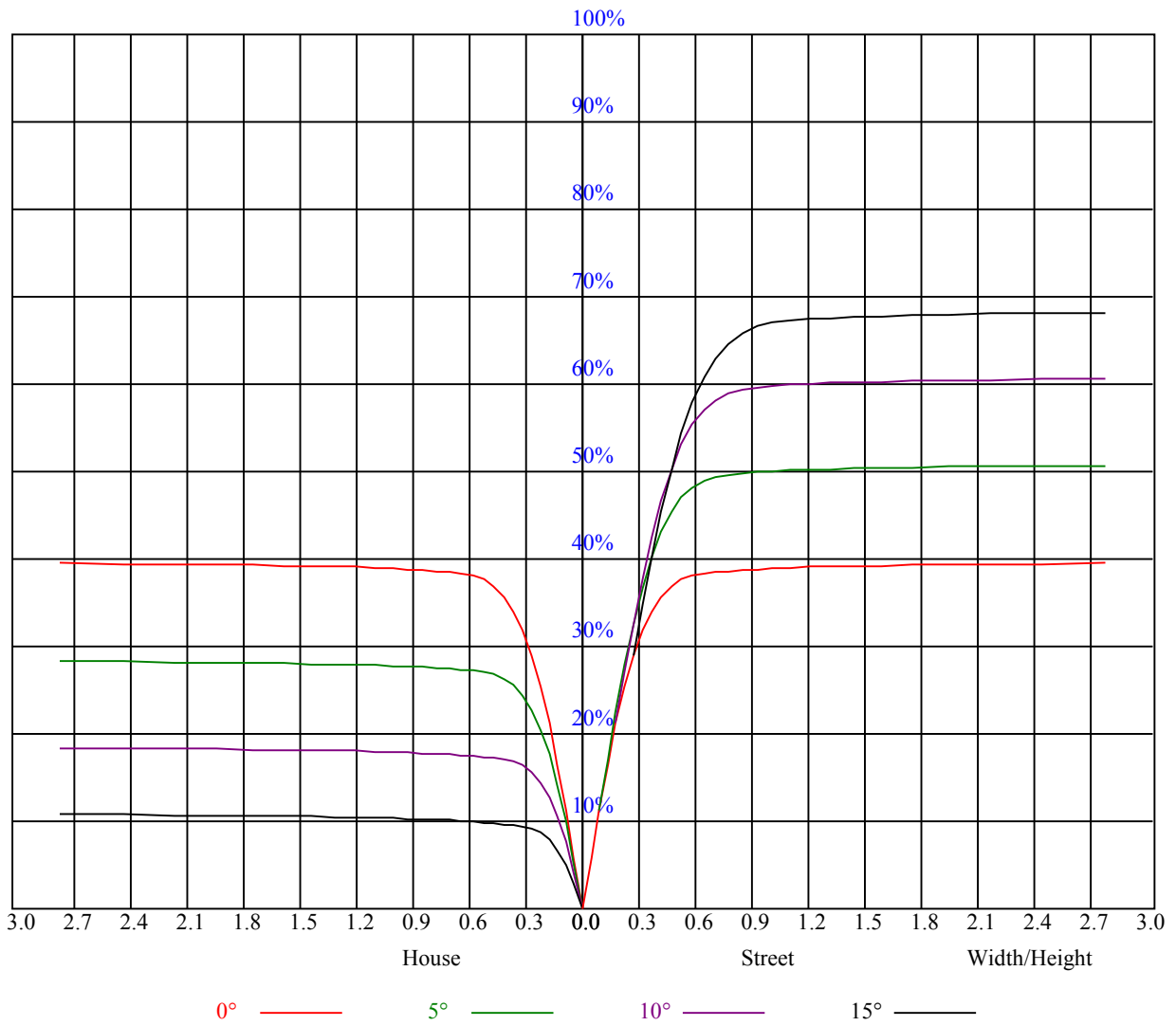
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve





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	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	0.96	0.96	0.96	0.94	0.94	0.94	0.89	0.89	0.89	0.86	0.86	0.86	0.82	0.82	0.82	0.80
1	0.90	0.88	0.87	0.88	0.87	0.85	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.79	0.78	0.76
2	0.85	0.82	0.80	0.84	0.81	0.79	0.81	0.79	0.77	0.79	0.77	0.76	0.77	0.75	0.74	0.73
3	0.81	0.77	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.74	0.72	0.71	0.70
4	0.77	0.73	0.71	0.76	0.73	0.70	0.74	0.72	0.69	0.73	0.71	0.69	0.71	0.69	0.68	0.67
5	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.68	0.66	0.70	0.68	0.66	0.69	0.67	0.65	0.64
6	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.64	0.63	0.62
7	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.65	0.63	0.60	0.65	0.62	0.60	0.59
8	0.65	0.61	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.57
9	0.63	0.59	0.57	0.62	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.61	0.58	0.56	0.55
10	0.61	0.57	0.55	0.60	0.57	0.54	0.60	0.57	0.54	0.59	0.56	0.54	0.59	0.56	0.54	0.53



Intensity data(cd)

C/ γ (°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	2066.85	2019.65	1745.38	1291.86	846.70	444.56	158.11	26.53	15.95
45.0	2078.21	1949.74	1606.16	1161.00	697.32	334.62	99.19	19.48	14.40
90.0	2073.43	1906.72	1513.54	1049.56	606.61	269.43	68.72	18.22	13.80
135.0	2077.01	1962.29	1629.46	1152.04	713.45	344.77	98.95	20.26	15.06
180.0	2066.85	1921.06	1535.65	1051.11	629.02	290.28	74.69	18.76	14.10
225.0	2078.21	1990.37	1676.07	1179.94	741.47	385.82	124.29	20.44	15.00
270.0	2073.43	2015.47	1757.33	1307.99	834.15	470.85	164.80	25.99	16.49
315.0	2077.01	1986.78	1655.16	1185.38	749.72	371.36	129.72	22.05	15.54
360.0	2066.85	2019.65	1745.38	1291.86	846.70	444.56	158.11	26.53	15.95
C/ γ (°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	12.31	10.22	8.48	7.11	5.80	4.84	4.24	3.82	3.53
45.0	11.47	9.56	7.95	6.57	5.32	4.54	4.06	3.70	3.35
90.0	11.17	9.32	7.77	6.45	5.26	4.54	4.18	3.94	3.23
135.0	11.77	9.80	8.13	6.63	5.32	4.60	4.06	3.76	3.29
180.0	11.11	9.26	7.65	6.27	5.14	4.42	3.94	3.64	3.23
225.0	11.77	9.74	8.25	6.81	5.50	4.60	4.12	3.76	3.47
270.0	12.55	10.40	8.66	7.23	5.80	4.84	4.24	4.00	5.26
315.0	11.65	9.80	8.19	6.81	5.50	4.66	4.12	3.82	3.59
360.0	12.31	10.22	8.48	7.11	5.80	4.84	4.24	3.82	3.53
C/ γ (°)	90.0								
0.0	3.05								
45.0	3.05								
90.0	3.05								
135.0	3.05								
180.0	3.05								
225.0	3.05								
270.0	3.05								
315.0	3.05								
360.0	3.05								