正奇事

Client:
LumCAT: ZS-LL1260S-3065
Luminaire: LED Lamp
Report No:
Ballast type:

Test No:	Voltage(V): 119.920
LampCAT:	Current(A): 0.501
Lamp flux(lm): 8124.7	Power (W): 60.000
Number of Lamps: 1	PF: 0.998
Length(mm): 1160	Width(mm): 45
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 8124.69, Efficiency(%): 100.00% , Luminous Efficacy(lm/W): 135.41
Central intensity(cd): 5073.565, Maximum intensity(cd): 5073.565
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=75.2
[C90/270]Total=76.2
Field angle(10%Imax): [C0/180]Total=108.0
[C90/270]Total=117.6
Maximum s/h(1/2): C0_180=1.10 C90_270=1.10
Maximum s/h(1/4): C0_180=1.09 C90_270=1.10
Up flux rate of lamp(%): 8.28%
Down flux rate of lamp(%): 91.72%
Up flux rate of LUM(%): 8.28%
Down flux rate of LUM(%): 91.72%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 87.661%

正奇事 ZS-LL1260S-3065

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4960.894	0.000	0	0.00%	0.00%
5.0	4931.586	118.262	118.262	1.46%	1.46%
10.0	4839.588	349.546	467.807	4.30%	5.76%
15.0	4671.703	564.203	1032.011	6.94%	12.70%
20.0	4412.006	748.625	1780.636	9.21%	21.92%
25.0	4040.722	886.535	2667.171	10.91%	32.83%
30.0	3562.262	962.164	3629.335	11.84%	44.67%
35.0	2885.039	949.410	4578.745	11.69%	56.36%
40.0	2181.424	845.301	5424.046	10.40%	66.76%
45.0	1479.005	677.758	6101.804	8.34%	75.10%
50.0	919.612	484.676	6586.479	5.97%	81.07%
55.0	570.159	323.926	6910.405	3.99%	85.05%
60.0	346.125	211.797	7122.201	2.61%	87.66%
65.0	198.090	132.300	7254.501	1.63%	89.29%
70.0	112.746	78.706	7333.207	0.97%	90.26%
75.0	68.036	47.254	7380.461	0.58%	90.84%
80.0	50.504	31.718	7412.179	0.39%	91.23%
85.0	46.354	26.319	7438.497	0.32%	91.55%
90.0	2.467	13.368	7451.865	0.16%	91.72%
95.0	13.981	4.504	7456.369	0.06%	91.77%
100.0	33.719	12.961	7469.33	0.16%	91.93%
105.0	54.354	23.566	7492.896	0.29%	92.22%
110.0	74.055	33.564	7526.46	0.41%	92.64%
115.0	91.812	41.998	7568.459	0.52%	93.15%
120.0	108.933	48.801	7617.26	0.60%	93.75%
125.0	124.035	53.850	7671.11	0.66%	94.42%
130.0	139.101	57.215	7728.325	0.70%	95.12%
135.0	152.409	58.904	7787.228	0.72%	95.85%
140.0	165.194	58.807	7846.035	0.72%	96.57%
145.0	175.922	56.913	7902.948	0.70%	97.27%
150.0	185.829	53.270	7956.218	0.66%	97.93%
155.0	194.352	48.112	8004.33	0.59%	98.52%
160.0	201.716	41.540	8045.871	0.51%	99.03%
165.0	207.174	33.698	8079.569	0.41%	99.44%
170.0	211.212	24.818	8104.387	0.31%	99.75%
175.0	213.492	15.193	8119.58	0.19%	99.94%
180.0	214.202	5.113	8124.693	0.06%	100.00%

Zonal flux distribution table

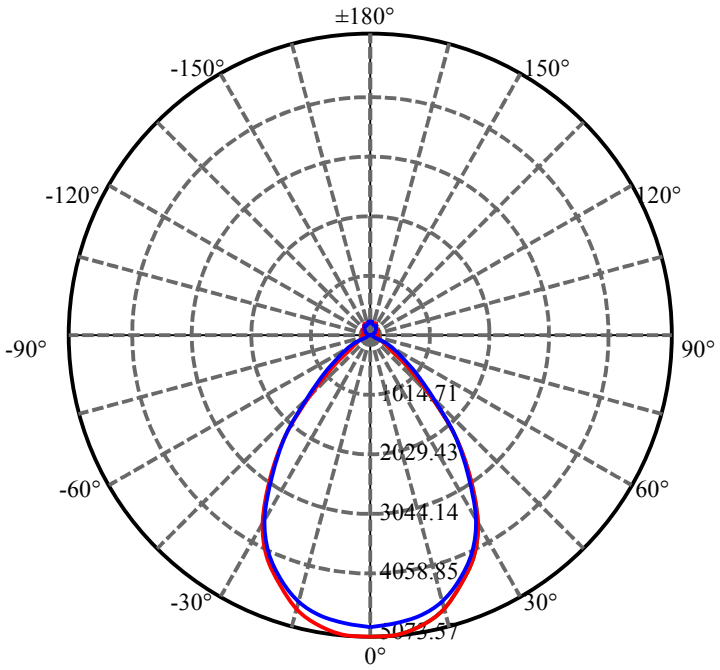
ZONAL LUMEN SUMMARY

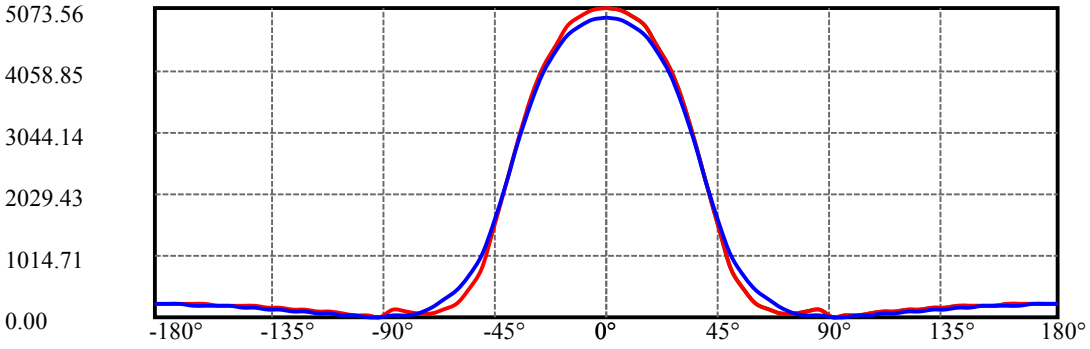
Zone	Lumens	%Lamp	%Fixt
0-30	3629.33	44.67%	44.67%
0-40	5424.05	66.76%	66.76%
0-60	7122.20	87.66%	87.66%
0-90	7451.87	91.72%	91.72%
0-120	7617.26	93.75%	93.75%
0-180	8124.69	100.00%	100.00%
60-90	329.66	4.06%	4.06%
90-120	165.39	2.04%	2.04%
90-130	276.46	3.40%	3.40%
90-150	504.35	6.21%	6.21%
90-180	667.72	8.22%	8.22%
0-49.11	6499.75	80.00%	80.00%

ZONAL LUMEN SUMMARY

0-10	467.81
10-20	1312.83
20-30	1848.70
30-40	1794.71
40-50	1162.43
50-60	535.72
60-70	211.01
70-80	78.97
80-90	39.69
90-100	17.46
100-110	57.13
110-120	90.80
120-130	111.06
130-140	117.71
140-150	110.18
150-160	89.65
160-170	58.52
170-180	15.19

Light Distribution Curve [Unit:cd]





C0(Max):

C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:54.0 Right:54.0
:C90/270Left:58.8 Right:58.8

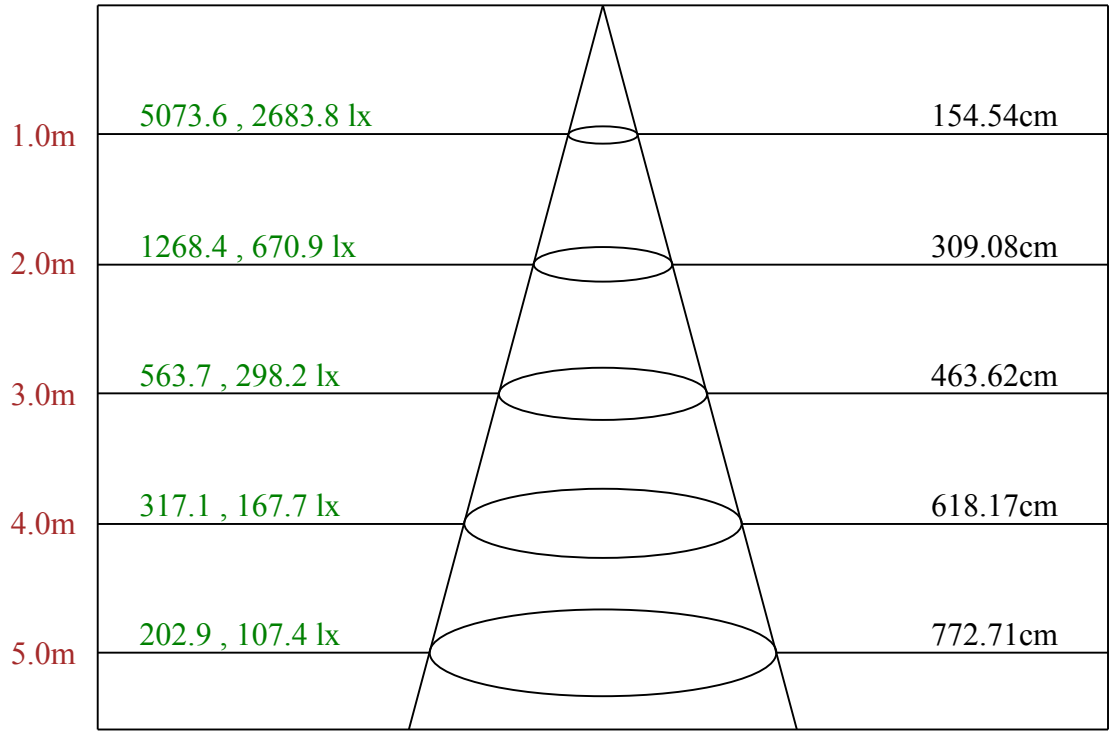
Beam Angle(50%Imax):C0/180Left:37.6 Right:37.6
:C90/270Left:38.1 Right:38.1

Equipment: LC-I-902 GMS-2000
Temperature(°C): 25.3

Date: 2025/8/7
Humidity(%): 61.2%

Operator: JUN WANG
Distance(m): 29.95

Lux distance Curve

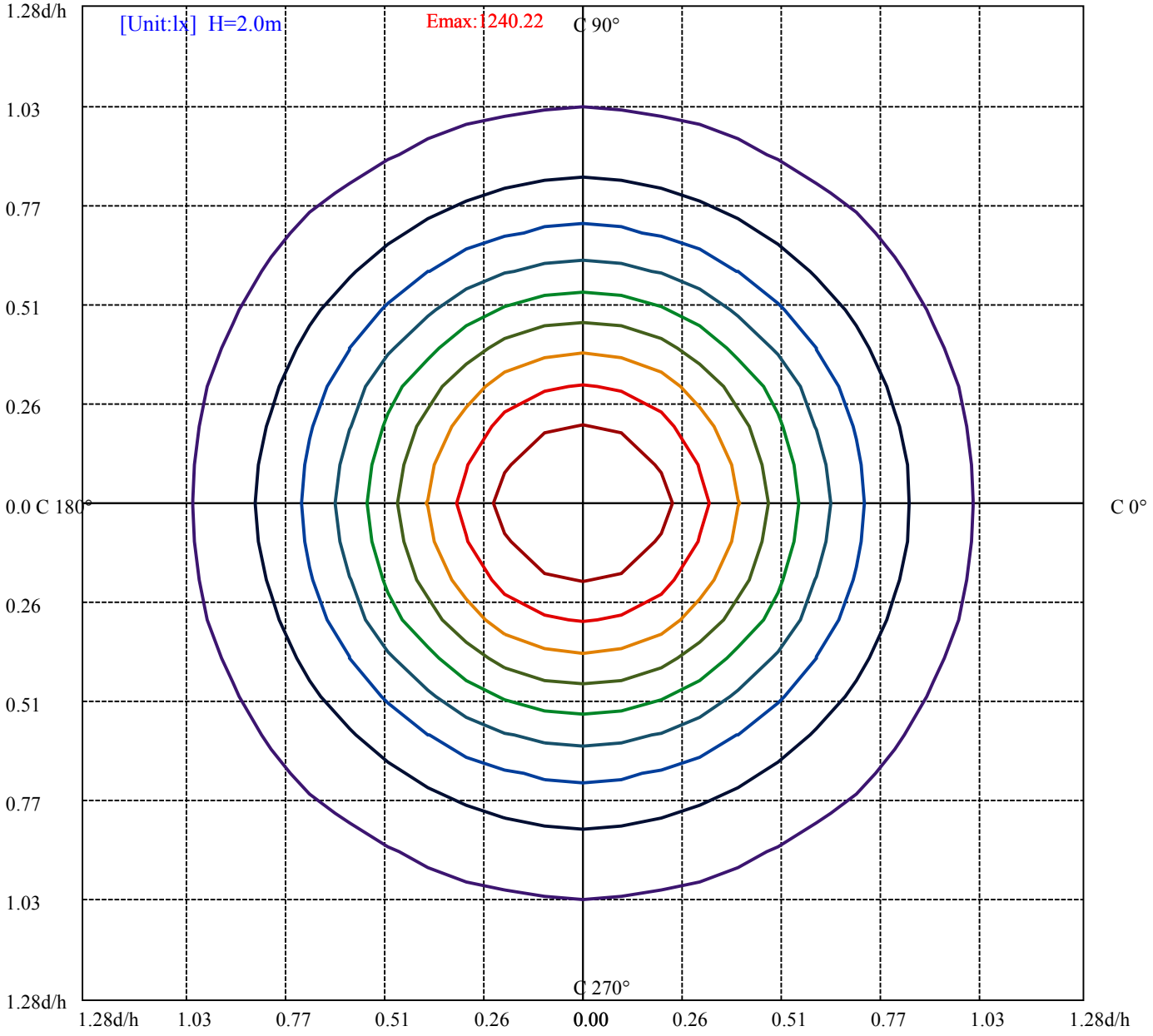


Max , Ave

Beam angle of C0 plane 75.39

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ISO illuminance diagram



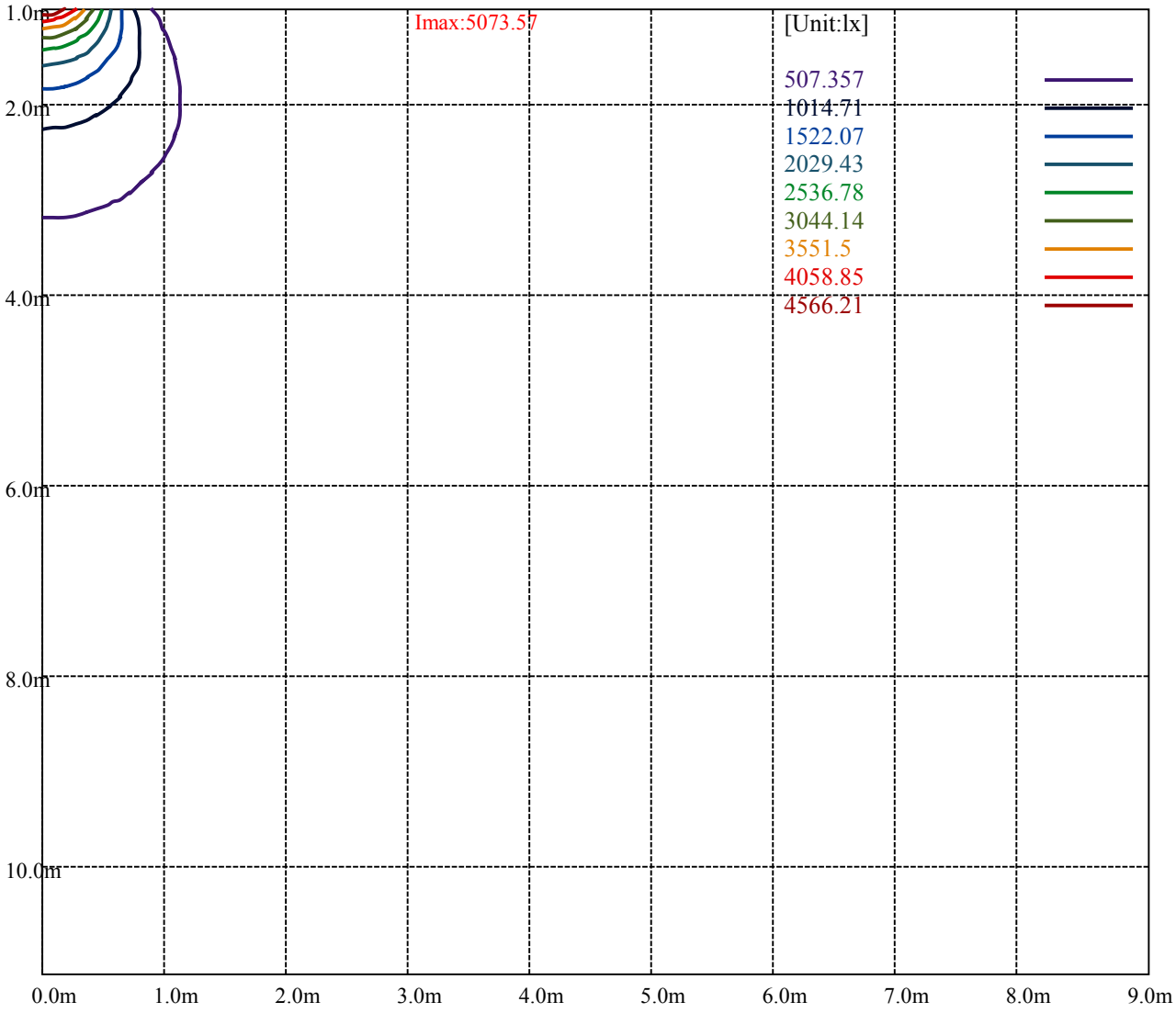
(10%Emax) 124.0218
(20%Emax) 248.0435
(30%Emax) 372.065
(40%Emax) 496.0875
(50%Emax) 620.11
(60%Emax) 744.13
(70%Emax) 868.1525
(80%Emax) 992.175
(90%Emax) 1116.198

Equipment: LC-I-902 GMS-2000
Temperature(°C): 25.3

Date: 2025/8/7
Humidity(%): 61.2%

Operator: JUN WANG
Distance(m): 29.95

Space ISO Lux diagram



Equipment: LC-I-902 GMS-2000
Temperature(°C): 25.3

Date: 2025/8/7
Humidity(%): 61.2%

Operator: JUN WANG
Distance(m): 29.95

正奇事 ZS-LL1260S-3065

Luminance Limitting Curve(no luminous side)

Luminance Table

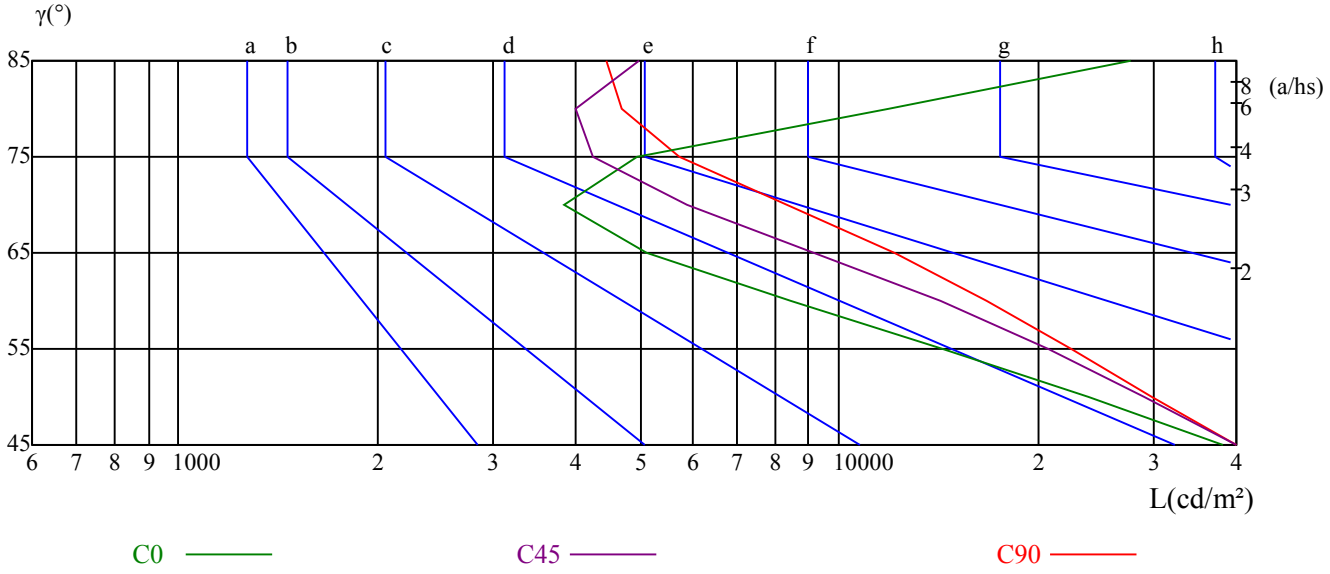
γ	45	50	55	60	65	70	75	80	85
C0	38101	23918	14368	8456	5104	3844	4947	11877	27707
C45	41911	28945	20766	14283	9191	5880	4233	3984	4979
C90	40859	29747	22429	16706	12160	8317	5744	4701	4437

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
5104	12160	9191	4947	5744	4233	27707	4437	4979

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: LC-I-902 GMS-2000
Temperature(°C): 25.3
Date: 2025/8/7
Humidity(%): 61.2%
Operator: JUN WANG
Distance(m): 29.95

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	1.17	1.17	1.17	1.13	1.13	1.13	1.07	1.07	1.07	1.00	1.00	1.00	0.94	0.94	0.94	0.92
1	1.06	1.03	1.01	1.03	1.01	0.98	0.98	0.96	0.94	0.93	0.91	0.89	0.88	0.87	0.85	0.83
2	0.97	0.92	0.87	0.94	0.89	0.86	0.89	0.86	0.82	0.85	0.82	0.79	0.81	0.79	0.77	0.74
3	0.88	0.82	0.77	0.86	0.80	0.76	0.82	0.77	0.73	0.78	0.74	0.71	0.75	0.72	0.69	0.67
4	0.80	0.73	0.68	0.78	0.72	0.67	0.75	0.70	0.65	0.72	0.67	0.64	0.69	0.65	0.62	0.60
5	0.73	0.66	0.61	0.72	0.65	0.60	0.69	0.63	0.59	0.66	0.61	0.58	0.64	0.60	0.56	0.54
6	0.67	0.60	0.55	0.66	0.59	0.54	0.64	0.58	0.53	0.61	0.56	0.52	0.59	0.55	0.51	0.49
7	0.62	0.55	0.50	0.61	0.54	0.49	0.59	0.53	0.49	0.57	0.52	0.48	0.55	0.50	0.47	0.45
8	0.58	0.50	0.46	0.57	0.50	0.45	0.55	0.49	0.44	0.53	0.48	0.44	0.51	0.47	0.43	0.41
9	0.53	0.46	0.42	0.53	0.46	0.41	0.51	0.45	0.41	0.49	0.44	0.40	0.48	0.43	0.40	0.38
10	0.50	0.43	0.39	0.49	0.43	0.38	0.48	0.42	0.38	0.46	0.41	0.37	0.45	0.40	0.37	0.35

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	5073.57	5116.63	5095.10	5000.89	4803.51	4529.87	4131.52	3595.91	2882.65
15.0	5000.89	5040.37	5010.76	4929.12	4771.21	4505.65	4132.42	3587.83	2881.75
30.0	4991.92	5028.71	5006.28	4926.43	4784.67	4527.18	4136.01	3575.27	2871.88
45.0	4959.62	4990.13	4967.70	4908.48	4771.21	4510.13	4123.45	3562.71	2853.94
60.0	4983.85	5006.28	4980.26	4916.56	4765.83	4502.06	4096.53	3542.97	2811.77
75.0	4914.76	4927.32	4891.44	4833.12	4685.98	4426.70	4032.83	3473.89	2780.37
90.0	4911.18	4911.18	4878.88	4806.21	4645.61	4363.89	3966.44	3423.65	2734.61
105.0	4917.46	4914.76	4870.80	4781.08	4608.83	4316.34	3899.15	3338.41	2648.48
120.0	4938.99	4924.63	4872.60	4758.65	4579.22	4268.79	3830.07	3246.90	2552.48
135.0	4937.19	4916.56	4847.48	4728.15	4505.65	4188.05	3759.19	3179.61	2491.47
150.0	4942.58	4919.25	4842.09	4693.16	4474.25	4146.78	3691.90	3136.55	2435.85
165.0	4958.73	4927.32	4842.09	4687.78	4446.44	4113.58	3672.17	3095.28	2407.14
180.0	5073.57	4980.26	4819.66	4547.82	4164.72	3691.90	3114.12	2226.81	1502.78
195.0	5000.89	4898.61	4728.15	4461.69	4086.66	3621.92	3034.27	2208.86	1539.56
210.0	4991.92	4895.03	4717.38	4450.02	4075.00	3595.91	3021.71	2211.55	1589.81
225.0	4959.62	4868.11	4698.54	4431.18	4063.34	3578.86	2994.79	2226.81	1576.35
240.0	4983.85	4901.31	4731.74	4459.89	4089.36	3603.98	3017.22	2225.01	1563.79
255.0	4914.76	4844.78	4690.47	4432.98	4075.00	3623.72	3062.98	2228.60	1610.44
270.0	4911.18	4851.06	4705.72	4464.38	4136.91	3664.99	3106.04	2336.26	1675.04
285.0	4917.46	4863.62	4737.12	4502.06	4179.97	3735.87	3148.21	2435.85	1699.26
300.0	4938.99	4890.54	4765.83	4540.64	4224.83	3781.62	3221.78	2494.17	1757.58
315.0	4937.19	4903.10	4796.34	4579.22	4269.69	3820.20	3258.57	2556.97	1788.08
330.0	4942.58	4911.18	4820.56	4619.59	4310.06	3898.26	3644.35	2636.82	1842.81
345.0	4958.73	4927.32	4833.12	4661.76	4370.17	3961.06	3398.53	2694.24	1856.27
360.0	5073.57	5116.63	5095.10	5000.89	4803.51	4529.87	4131.52	3595.91	2882.65

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	1998.02	1188.77	653.15	332.85	153.42	80.75	59.21	61.91	133.68
15.0	2048.27	1252.47	714.16	368.74	173.16	86.13	59.21	49.35	74.47
30.0	2072.49	1334.11	827.20	464.74	239.55	109.46	59.21	44.86	32.30
45.0	2041.09	1353.85	894.49	580.48	342.72	180.33	81.64	44.86	30.50
60.0	2015.97	1312.58	870.27	586.76	393.86	246.73	136.37	55.63	29.61
75.0	1993.54	1300.02	857.71	586.76	383.99	215.32	114.84	59.21	29.61
90.0	1939.71	1269.51	855.01	585.86	373.23	203.66	101.38	55.63	32.30
105.0	1886.77	1219.27	812.85	574.20	367.84	222.50	124.71	61.01	29.61
120.0	1795.26	1160.06	776.06	539.21	333.75	191.10	101.38	48.45	27.81
135.0	1728.87	1122.37	715.95	418.98	222.50	113.94	61.91	42.17	27.81
150.0	1678.63	998.56	568.81	286.20	145.34	78.95	55.63	42.17	33.20
165.0	1596.98	873.86	453.97	220.71	114.84	71.77	55.63	52.93	118.43
180.0	814.64	416.29	207.25	108.56	71.77	56.52	74.47	153.42	118.43
195.0	852.32	445.00	223.40	113.94	71.77	55.63	44.86	88.82	108.56
210.0	969.85	548.18	291.58	148.04	80.75	55.63	42.17	29.61	33.20
225.0	995.87	647.77	401.04	222.50	114.84	61.91	42.17	27.81	15.25
240.0	1001.26	660.33	436.93	284.41	174.95	96.90	46.65	26.92	12.56
255.0	1038.94	685.45	464.74	287.10	165.98	96.90	55.63	27.81	9.87
270.0	1076.62	726.72	488.07	286.20	163.29	93.31	53.83	29.61	8.07
285.0	1099.05	725.82	492.55	307.73	178.54	108.56	78.05	26.92	10.77
300.0	1126.86	738.38	499.73	398.35	191.10	101.38	44.86	29.61	14.35
315.0	1422.03	760.81	475.51	269.15	130.99	63.70	43.06	29.61	17.05
330.0	1175.31	698.01	385.79	187.51	87.03	56.52	43.06	33.20	46.65
345.0	1127.76	632.51	317.60	148.04	78.95	58.32	52.93	90.62	118.43
360.0	1998.02	1188.77	653.15	332.85	153.42	80.75	59.21	61.91	133.68

Intensity data(cd)

C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	7.18	26.02	51.14	72.67	93.31	109.46	126.50	143.55	157.90
15.0	0.90	9.87	29.61	53.83	77.16	95.10	110.35	124.71	142.65
30.0	0.90	10.77	29.61	53.83	75.36	92.41	108.56	124.71	140.86
45.0	0.90	9.87	28.71	51.14	70.88	87.92	105.87	121.12	136.37
60.0	0.90	8.97	26.92	48.45	65.49	82.54	99.59	114.84	130.09
75.0	0.90	8.07	24.22	39.48	57.42	75.36	91.51	108.56	122.91
90.0	0.90	4.49	15.25	31.40	50.24	68.19	98.69	103.18	119.33
105.0	0.90	6.28	33.20	37.68	55.63	72.67	89.72	105.87	122.91
120.0	0.90	8.07	26.92	48.45	64.60	82.54	98.69	113.94	129.19
135.0	0.90	8.07	26.92	51.14	72.67	90.62	106.76	122.91	138.17
150.0	0.90	7.18	27.81	52.93	76.26	96.00	113.04	128.30	143.55
165.0	0.90	7.18	26.02	52.04	77.16	99.59	116.63	130.99	147.14
180.0	0.90	6.28	26.02	52.04	76.26	100.48	118.43	133.68	148.04
195.0	3.59	21.53	46.65	69.98	94.20	113.04	127.40	141.75	155.21
210.0	2.69	20.64	43.96	69.08	90.62	106.76	122.02	136.37	149.83
225.0	3.59	19.74	43.06	65.49	84.34	100.48	116.63	130.99	145.34
240.0	2.69	18.84	40.37	60.11	77.16	93.31	108.56	123.81	139.06
255.0	2.69	17.94	34.09	52.04	68.19	85.23	101.38	116.63	131.89
270.0	1.79	10.77	26.02	43.06	61.91	78.05	96.00	111.25	126.50
285.0	3.59	15.25	29.61	48.45	65.49	82.54	98.69	114.84	129.19
300.0	3.59	18.84	36.78	51.14	71.77	89.72	104.97	120.22	134.58
315.0	4.49	21.53	42.17	61.01	77.16	96.00	113.94	129.19	143.55
330.0	6.28	24.22	44.86	67.29	84.34	100.48	118.43	135.47	149.83
345.0	6.28	25.12	49.35	71.77	89.72	104.97	122.02	139.96	154.32
360.0	7.18	26.02	51.14	72.67	93.31	109.46	126.50	143.55	157.90

C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	170.46	181.23	190.20	199.17	205.45	210.84	215.32	217.12	218.91
15.0	156.11	167.77	178.54	187.51	195.59	202.76	207.25	210.84	212.63
30.0	154.32	165.98	175.85	185.72	193.79	200.07	205.45	209.04	211.74
45.0	148.93	161.49	172.26	183.03	192.00	199.17	204.56	209.04	211.74
60.0	144.45	157.90	169.57	180.33	188.41	201.87	203.66	209.04	211.74
75.0	139.06	161.49	165.98	176.74	186.61	195.59	202.76	207.25	210.84
90.0	134.58	149.83	163.29	174.95	185.72	194.69	201.87	207.25	210.84
105.0	136.37	152.52	164.18	176.74	186.61	195.59	202.76	208.15	211.74
120.0	144.45	157.90	170.46	182.13	191.10	199.17	205.45	209.94	212.63
135.0	150.73	164.18	174.95	185.72	193.79	201.87	207.25	211.74	214.43
150.0	156.11	167.77	179.44	188.41	196.48	204.56	209.94	213.53	216.22
165.0	158.80	170.46	181.23	190.20	198.28	205.45	209.94	214.43	216.22
180.0	160.60	172.26	183.03	192.00	200.07	206.35	211.74	216.22	218.02
195.0	165.98	175.85	185.72	193.79	200.07	206.35	209.94	212.63	213.53
210.0	162.39	172.26	182.13	191.10	198.28	200.07	208.15	210.84	212.63
225.0	156.11	167.77	178.54	187.51	196.48	202.76	208.15	210.84	212.63
240.0	152.52	164.18	174.95	184.82	192.89	200.97	206.35	210.84	212.63
255.0	146.24	159.70	171.36	182.13	191.10	199.17	205.45	209.94	211.74
270.0	142.65	156.11	168.67	179.44	189.31	197.38	203.66	209.04	211.74
285.0	143.55	157.90	169.57	180.33	190.20	198.28	204.56	209.04	211.74
300.0	148.93	162.39	173.16	183.03	192.89	200.07	206.35	209.94	212.63
315.0	157.01	167.77	179.44	188.41	196.48	203.66	208.15	212.63	214.43
330.0	161.49	172.26	183.03	192.00	200.07	206.35	210.84	214.43	216.22
345.0	165.98	177.64	186.61	194.69	202.76	208.15	212.63	215.32	216.22
360.0	170.46	181.23	190.20	199.17	205.45	210.84	215.32	217.12	218.91

Intensity data(cd)

C/γ(°)	180.0
0.0	218.91
15.0	213.53
30.0	212.63
45.0	212.63
60.0	212.63
75.0	212.63
90.0	212.63
105.0	212.63
120.0	213.53
135.0	215.32
150.0	216.22
165.0	217.12
180.0	218.91
195.0	213.53
210.0	212.63
225.0	212.63
240.0	212.63
255.0	212.63
270.0	212.63
285.0	212.63
300.0	213.53
315.0	215.32
330.0	216.22
345.0	217.12
360.0	218.91