

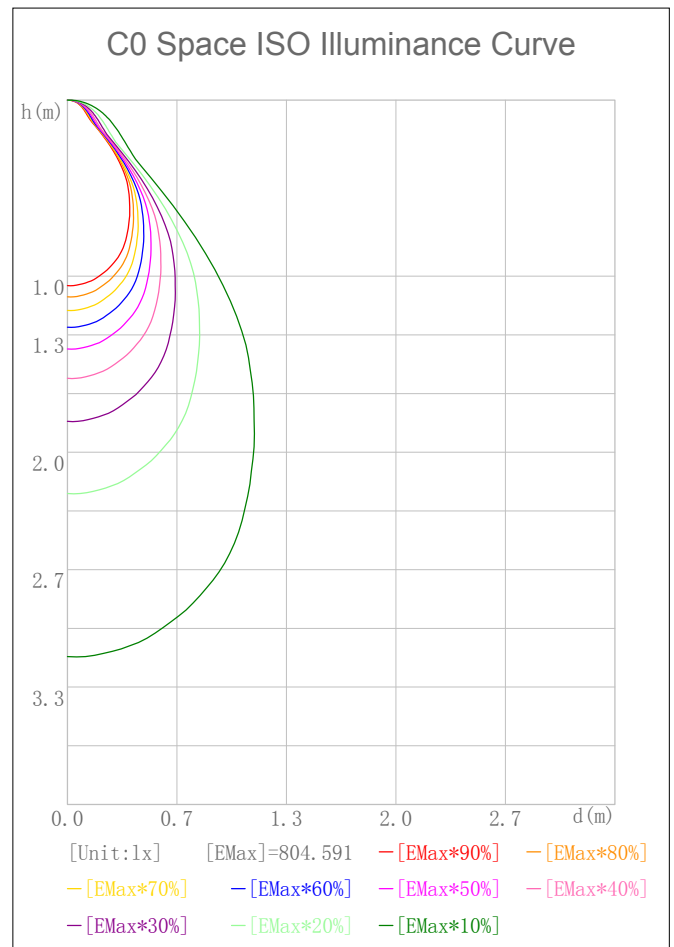
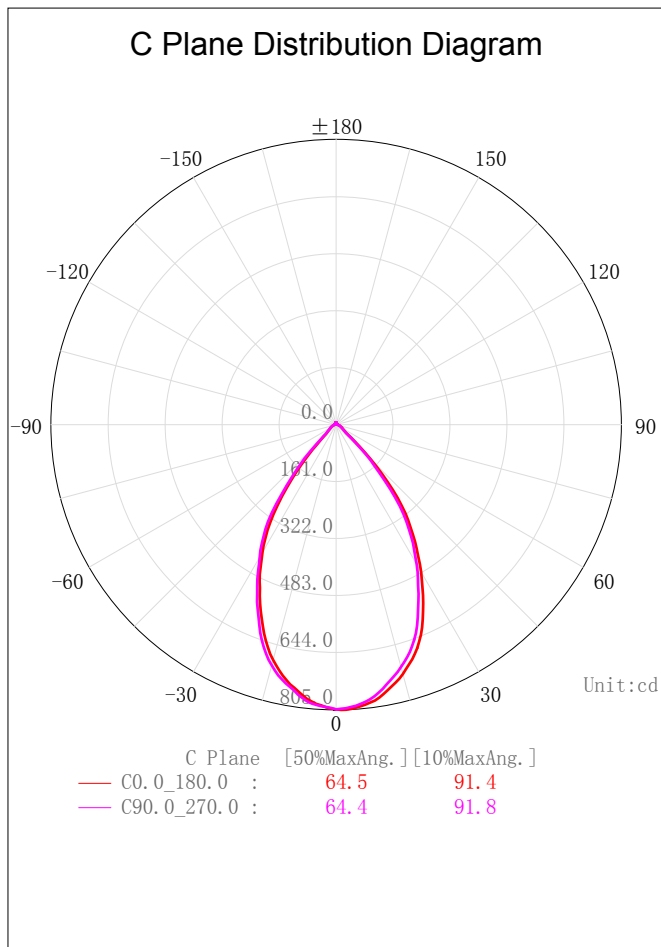
**Indoor Luminaire Photometric Data**

**Description Information**

Luminary Name:CL2-13WD 1800K-3000K RA95 Reflector 60D		Lum. Catalog:	Test ID: 01
Lamp Name:		Lamp Catalog: LED	Test Date: 2018/11/27
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab: Quality Department	Frequency (Hz):		Lamp CCT(K): Ra:
Lum. Size (W*L*H):0.050m*0.050m*0.068m		Lum. Area (m2):0.006	Lum. W(kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=1.0	Temp. (°C): 25	Humidity(%): 50.0

**Character Parameter**

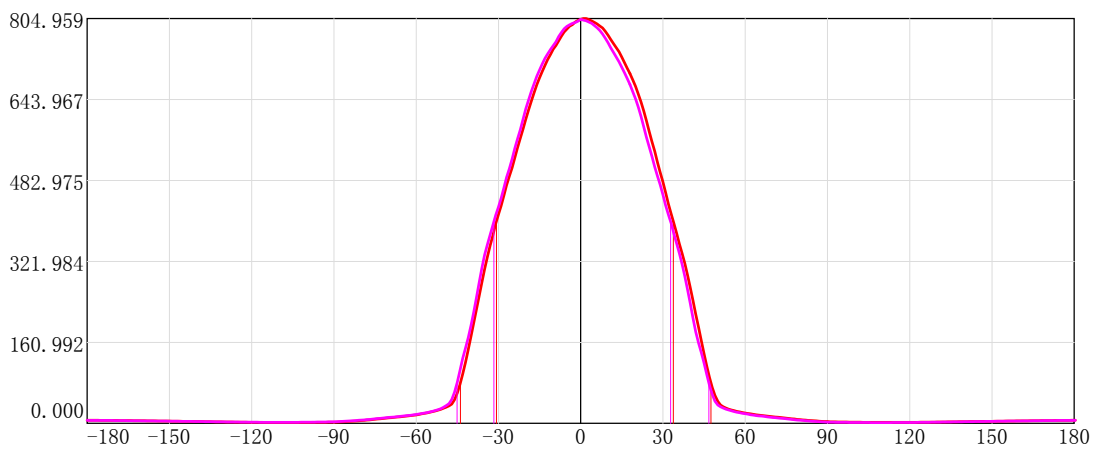
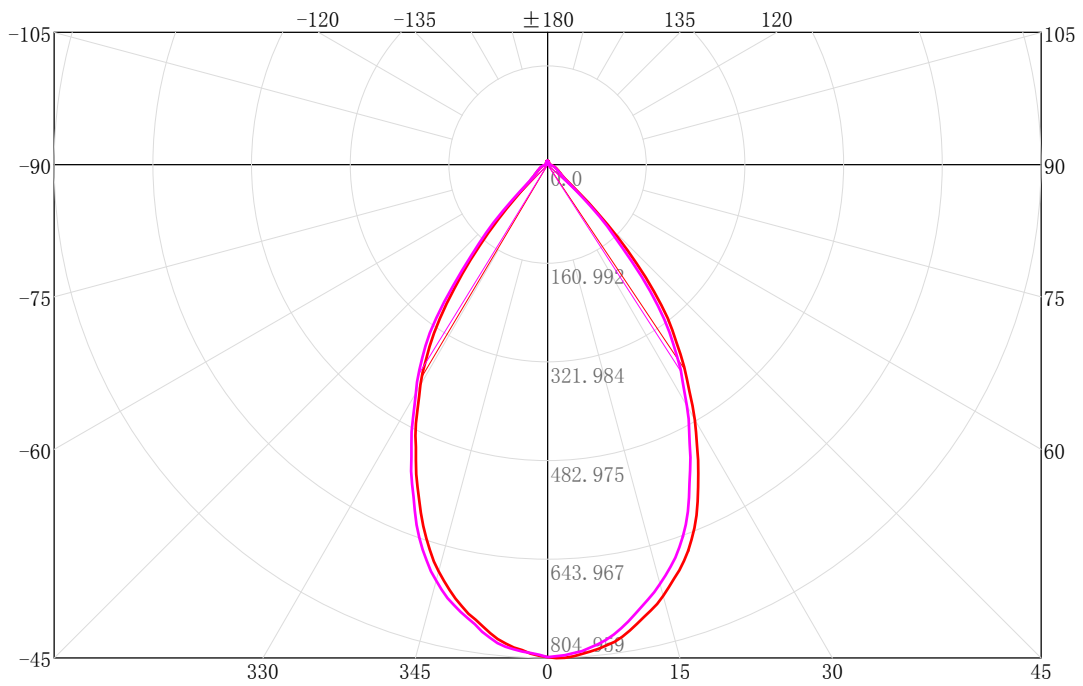
Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 883.080	Luminary Flux(lm): 883.076	Field Angle(10%Imax): 91.4(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 864.383lm 97.88%
Rated Voltage(V):	Luminary EER(lm/W): 71.970	Up Lumens&Percent: 18.693lm 2.12%
Tested Power(W): 12.270	Max. Candela(cd): 804.959	S/MH: C0_a180=0.939 C90_270=0.931
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=1.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf):240.0, 0.054, 0.942	Beam Angle(50%Imax): 64.5(°)	ErP φ use(90°): 780.967lm
Lamp Size (W*L*H):0.050m*0.050m*0.068m	Left=-30.7°, Right=33.8°	IRF(%): 196.680



**2D Plane Light Intensity Distribution Curve**

Lum. Name: CL2-13WD 1800K-3000K RA95 Reflector 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture:	Test Machine:GON-2000	Test Date: 2018/11/27

**C Plane Distribution Diagram**

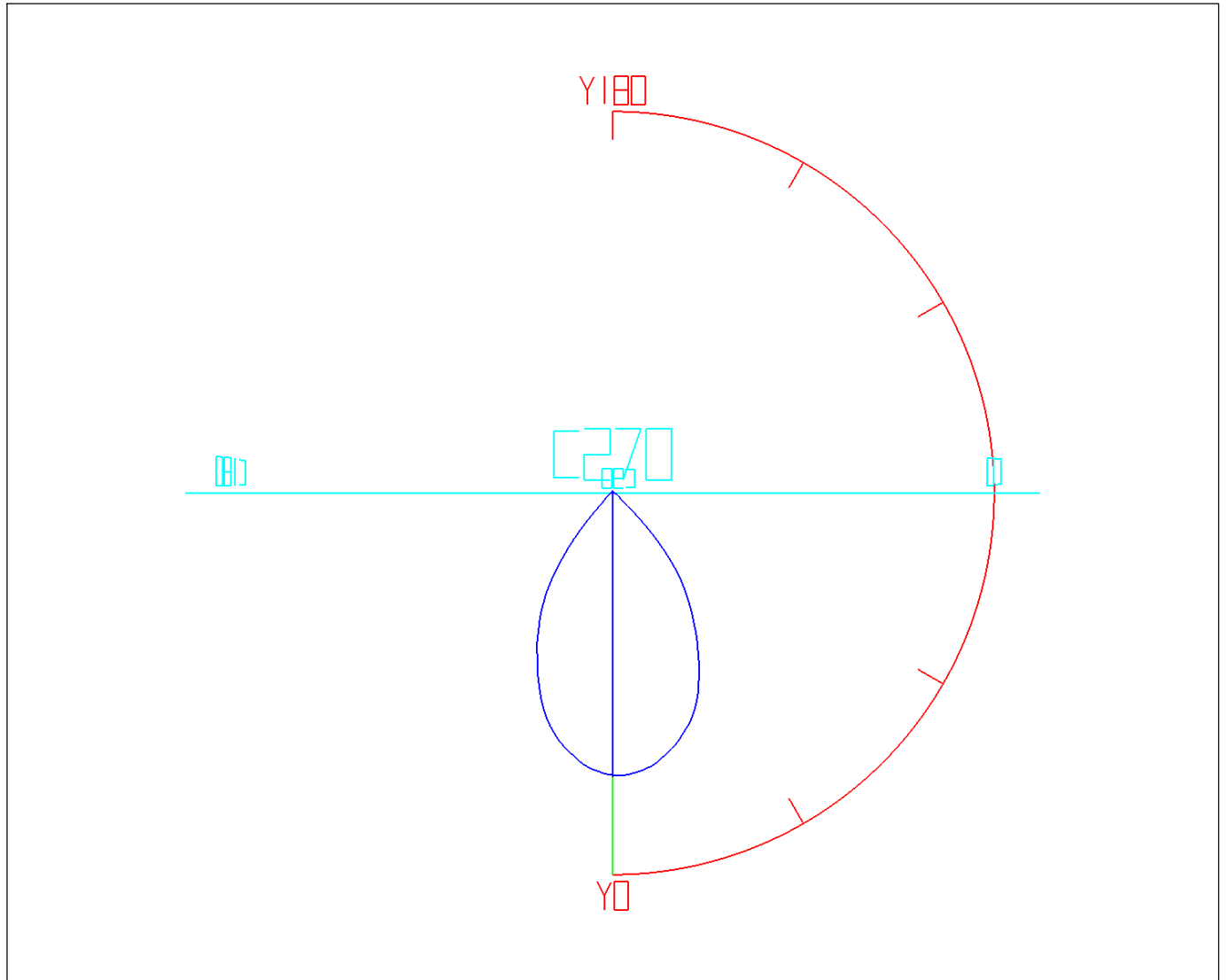


C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
— C0.0_180.0 :	64.5	91.4	
— C90.0_270.0 :	64.4	91.8	

**3D Light Intensity Distribution Modal**

Lum. Name: CL2-13WD 1800K-3000K RA95 Reflector 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture:	Test Machine:GON-2000	Test Date: 2018/11/27

**3D Light Intensity Distribution Modal**



Curves: 3D Model — Fixture — Vert. HUD — Hori. HUD —  
 View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

# IES Indoor Report

Photometric Filename:CL2-13WD 1800K-3000K RA95 Reflector 60D.IES

## Zonal Flux Tabulation

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	0.77	0.77	0.09	0.09	47.0-48.0	4.62	805.20	0.52	91.18
1.0-2.0	2.30	3.07	0.26	0.35	48.0-49.0	3.82	809.02	0.43	91.61
2.0-3.0	3.82	6.89	0.43	0.78	49.0-50.0	3.24	812.26	0.37	91.98
3.0-4.0	5.33	12.22	0.60	1.38	50.0-51.0	2.86	815.12	0.32	92.30
4.0-5.0	6.82	19.04	0.77	2.16	51.0-52.0	2.62	817.74	0.30	92.60
5.0-6.0	8.28	27.32	0.94	3.09	52.0-53.0	2.47	820.22	0.28	92.88
6.0-7.0	9.72	37.04	1.10	4.19	53.0-54.0	2.34	822.55	0.26	93.15
7.0-8.0	11.11	48.14	1.26	5.45	54.0-55.0	2.23	824.78	0.25	93.40
8.0-9.0	12.45	60.60	1.41	6.86	55.0-56.0	2.13	826.91	0.24	93.64
9.0-10.0	13.76	74.35	1.56	8.42	56.0-57.0	2.04	828.95	0.23	93.87
10.0-11.0	15.02	89.37	1.70	10.12	57.0-58.0	1.96	830.91	0.22	94.09
11.0-12.0	16.23	105.59	1.84	11.96	58.0-59.0	1.89	832.80	0.21	94.31
12.0-13.0	17.39	122.99	1.97	13.93	59.0-60.0	1.81	834.62	0.21	94.51
13.0-14.0	18.51	141.50	2.10	16.02	60.0-61.0	1.75	836.36	0.20	94.71
14.0-15.0	19.55	161.05	2.21	18.24	61.0-62.0	1.68	838.04	0.19	94.90
15.0-16.0	20.53	181.58	2.32	20.56	62.0-63.0	1.62	839.67	0.18	95.08
16.0-17.0	21.42	203.00	2.43	22.99	63.0-64.0	1.57	841.24	0.18	95.26
17.0-18.0	22.24	225.23	2.52	25.51	64.0-65.0	1.52	842.76	0.17	95.43
18.0-19.0	22.97	248.20	2.60	28.11	65.0-66.0	1.47	844.22	0.17	95.60
19.0-20.0	23.59	271.79	2.67	30.78	66.0-67.0	1.42	845.64	0.16	95.76
20.0-21.0	24.09	295.89	2.73	33.51	67.0-68.0	1.36	847.01	0.15	95.92
21.0-22.0	24.49	320.37	2.77	36.28	68.0-69.0	1.32	848.32	0.15	96.06
22.0-23.0	24.79	345.17	2.81	39.09	69.0-70.0	1.27	849.59	0.14	96.21
23.0-24.0	24.99	370.16	2.83	41.92	70.0-71.0	1.22	850.81	0.14	96.35
24.0-25.0	25.08	395.23	2.84	44.76	71.0-72.0	1.17	851.97	0.13	96.48
25.0-26.0	25.12	420.35	2.84	47.60	72.0-73.0	1.12	853.09	0.13	96.60
26.0-27.0	25.10	445.45	2.84	50.44	73.0-74.0	1.07	854.16	0.12	96.72
27.0-28.0	24.96	470.41	2.83	53.27	74.0-75.0	1.01	855.17	0.11	96.84
28.0-29.0	24.75	495.16	2.80	56.07	75.0-76.0	0.96	856.13	0.11	96.95
29.0-30.0	24.52	519.68	2.78	58.85	76.0-77.0	0.90	857.03	0.10	97.05
30.0-31.0	24.22	543.91	2.74	61.59	77.0-78.0	0.84	857.87	0.10	97.15
31.0-32.0	23.80	567.70	2.69	64.29	78.0-79.0	0.79	858.65	0.09	97.23
32.0-33.0	23.31	591.01	2.64	66.93	79.0-80.0	0.73	859.39	0.08	97.32
33.0-34.0	22.76	613.78	2.58	69.50	80.0-81.0	0.68	860.07	0.08	97.39
34.0-35.0	22.06	635.83	2.50	72.00	81.0-82.0	0.63	860.70	0.07	97.47
35.0-36.0	21.18	657.01	2.40	74.40	82.0-83.0	0.59	861.29	0.07	97.53
36.0-37.0	20.15	677.16	2.28	76.68	83.0-84.0	0.55	861.84	0.06	97.59
37.0-38.0	18.97	696.13	2.15	78.83	84.0-85.0	0.51	862.35	0.06	97.65
38.0-39.0	17.64	713.78	2.00	80.83	85.0-86.0	0.47	862.82	0.05	97.71
39.0-40.0	16.20	729.97	1.83	82.66	86.0-87.0	0.44	863.26	0.05	97.76
40.0-41.0	14.66	744.64	1.66	84.32	87.0-88.0	0.40	863.67	0.05	97.80
41.0-42.0	13.10	757.74	1.48	85.81	88.0-89.0	0.37	864.04	0.04	97.84
42.0-43.0	11.56	769.30	1.31	87.12	89.0-90.0	0.35	864.38	0.04	97.88
43.0-44.0	10.04	779.34	1.14	88.25	90.0-91.0	0.32	864.71	0.04	97.92
44.0-45.0	8.52	787.86	0.97	89.22	91.0-92.0	0.31	865.02	0.04	97.95
45.0-46.0	7.04	794.89	0.80	90.01	92.0-93.0	0.30	865.32	0.03	97.99
46.0-47.0	5.69	800.59	0.64	90.66	93.0-94.0	0.29	865.61	0.03	98.02

# IES Indoor Report

Photometric Filename:CL2-13WD 1800K-3000K RA95 Reflector 60D.IES

## Zonal Flux Tabulation - (Cont.)

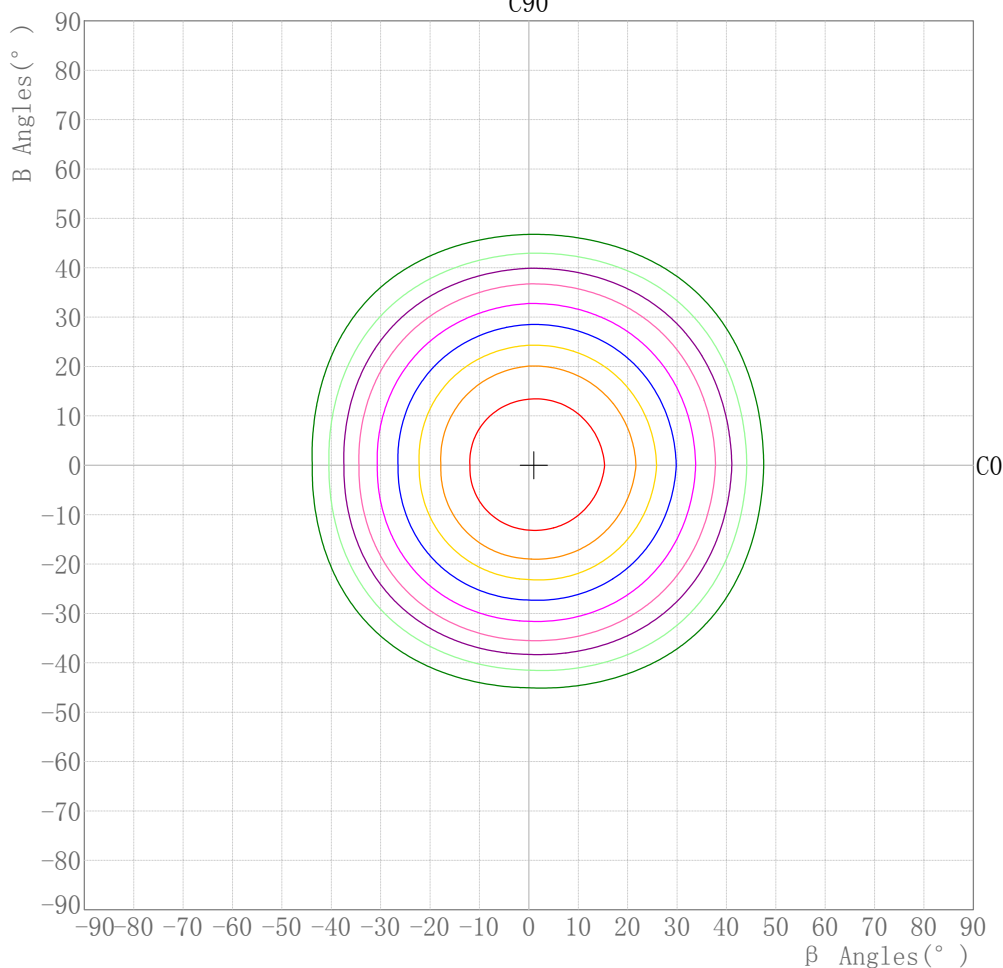
Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	0.28	865.89	0.03	98.05	141.0-142.0	0.26	876.76	0.03	99.28
95.0-96.0	0.27	866.16	0.03	98.08	142.0-143.0	0.26	877.01	0.03	99.31
96.0-97.0	0.27	866.43	0.03	98.11	143.0-144.0	0.26	877.27	0.03	99.34
97.0-98.0	0.26	866.69	0.03	98.14	144.0-145.0	0.26	877.52	0.03	99.37
98.0-99.0	0.25	866.94	0.03	98.17	145.0-146.0	0.25	877.78	0.03	99.40
99.0-100.0	0.25	867.18	0.03	98.20	146.0-147.0	0.25	878.03	0.03	99.43
100.0-101.0	0.24	867.42	0.03	98.23	147.0-148.0	0.25	878.28	0.03	99.46
101.0-102.0	0.23	867.66	0.03	98.25	148.0-149.0	0.25	878.53	0.03	99.48
102.0-103.0	0.23	867.89	0.03	98.28	149.0-150.0	0.24	878.77	0.03	99.51
103.0-104.0	0.22	868.11	0.03	98.30	150.0-151.0	0.24	879.01	0.03	99.54
104.0-105.0	0.22	868.33	0.03	98.33	151.0-152.0	0.24	879.25	0.03	99.57
105.0-106.0	0.22	868.55	0.02	98.35	152.0-153.0	0.23	879.48	0.03	99.59
106.0-107.0	0.21	868.76	0.02	98.38	153.0-154.0	0.23	879.71	0.03	99.62
107.0-108.0	0.21	868.98	0.02	98.40	154.0-155.0	0.22	879.93	0.03	99.64
108.0-109.0	0.21	869.18	0.02	98.43	155.0-156.0	0.22	880.15	0.02	99.67
109.0-110.0	0.21	869.39	0.02	98.45	156.0-157.0	0.21	880.36	0.02	99.69
110.0-111.0	0.21	869.60	0.02	98.47	157.0-158.0	0.21	880.57	0.02	99.72
111.0-112.0	0.21	869.81	0.02	98.50	158.0-159.0	0.20	880.77	0.02	99.74
112.0-113.0	0.21	870.01	0.02	98.52	159.0-160.0	0.20	880.96	0.02	99.76
113.0-114.0	0.21	870.22	0.02	98.54	160.0-161.0	0.19	881.15	0.02	99.78
114.0-115.0	0.21	870.43	0.02	98.57	161.0-162.0	0.18	881.34	0.02	99.80
115.0-116.0	0.21	870.63	0.02	98.59	162.0-163.0	0.17	881.51	0.02	99.82
116.0-117.0	0.21	870.84	0.02	98.61	163.0-164.0	0.17	881.68	0.02	99.84
117.0-118.0	0.21	871.05	0.02	98.64	164.0-165.0	0.16	881.84	0.02	99.86
118.0-119.0	0.21	871.26	0.02	98.66	165.0-166.0	0.15	881.99	0.02	99.88
119.0-120.0	0.21	871.48	0.02	98.69	166.0-167.0	0.14	882.13	0.02	99.89
120.0-121.0	0.22	871.69	0.02	98.71	167.0-168.0	0.13	882.27	0.02	99.91
121.0-122.0	0.22	871.91	0.02	98.73	168.0-169.0	0.12	882.39	0.01	99.92
122.0-123.0	0.22	872.13	0.02	98.76	169.0-170.0	0.12	882.51	0.01	99.93
123.0-124.0	0.22	872.35	0.03	98.78	170.0-171.0	0.11	882.61	0.01	99.95
124.0-125.0	0.22	872.57	0.03	98.81	171.0-172.0	0.10	882.71	0.01	99.96
125.0-126.0	0.23	872.80	0.03	98.84	172.0-173.0	0.09	882.79	0.01	99.97
126.0-127.0	0.23	873.03	0.03	98.86	173.0-174.0	0.07	882.87	0.01	99.98
127.0-128.0	0.23	873.26	0.03	98.89	174.0-175.0	0.06	882.93	0.01	99.98
128.0-129.0	0.24	873.50	0.03	98.92	175.0-176.0	0.05	882.98	0.01	99.99
129.0-130.0	0.24	873.74	0.03	98.94	176.0-177.0	0.04	883.02	0.00	99.99
130.0-131.0	0.24	873.98	0.03	98.97	177.0-178.0	0.03	883.05	0.00	100.00
131.0-132.0	0.24	874.22	0.03	99.00	178.0-179.0	0.02	883.07	0.00	100.00
132.0-133.0	0.25	874.47	0.03	99.02	179.0-180.0	0.01	883.08	0.00	100.00
133.0-134.0	0.25	874.71	0.03	99.05					
134.0-135.0	0.25	874.96	0.03	99.08					
135.0-136.0	0.25	875.22	0.03	99.11					
136.0-137.0	0.25	875.47	0.03	99.14					
137.0-138.0	0.26	875.73	0.03	99.17					
138.0-139.0	0.26	875.98	0.03	99.20					
139.0-140.0	0.26	876.24	0.03	99.23					
140.0-141.0	0.26	876.50	0.03	99.25					

**Rectangle ISO Lighting Intensity Diagram**

Lum. Name: CL2-13WD 1800K-3000K RA95 Reflector 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture:	Test Machine:GON-2000	Test Date: 2018/11/27

**ISO Lighting Intensity Curve**

C90



Curves:

[Unit: cd]

[IMax] =804.959

— [IMax\*90%]=724.463

— [IMax\*80%]=643.967

— [IMax\*70%]=563.471

— [IMax\*60%]=482.975

— [IMax\*50%]=402.479

— [IMax\*40%]=321.984

— [IMax\*30%]=241.488

— [IMax\*20%]=160.992

— [IMax\*10%]=80.496

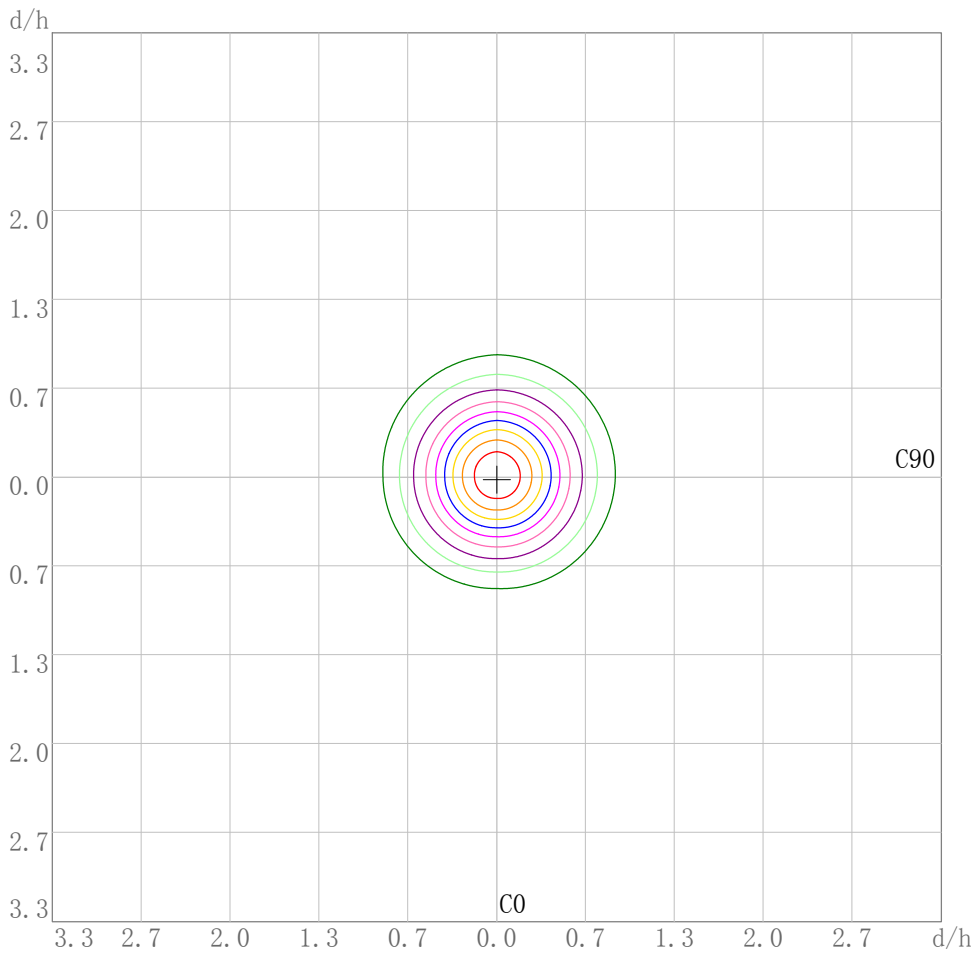
Maximum Light Intensity(cd): 804.96

Maximum Cand.@Angle: H=1.0°,V=0.0°

**Plane ISO-Illuminance Diagram**

Lum. Name: CL2-13WD 1800K-3000K RA95 Reflector 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture:	Test Machine:GON-2000	Test Date: 2018/11/27

**Plane ISO-Illuminance Curve**



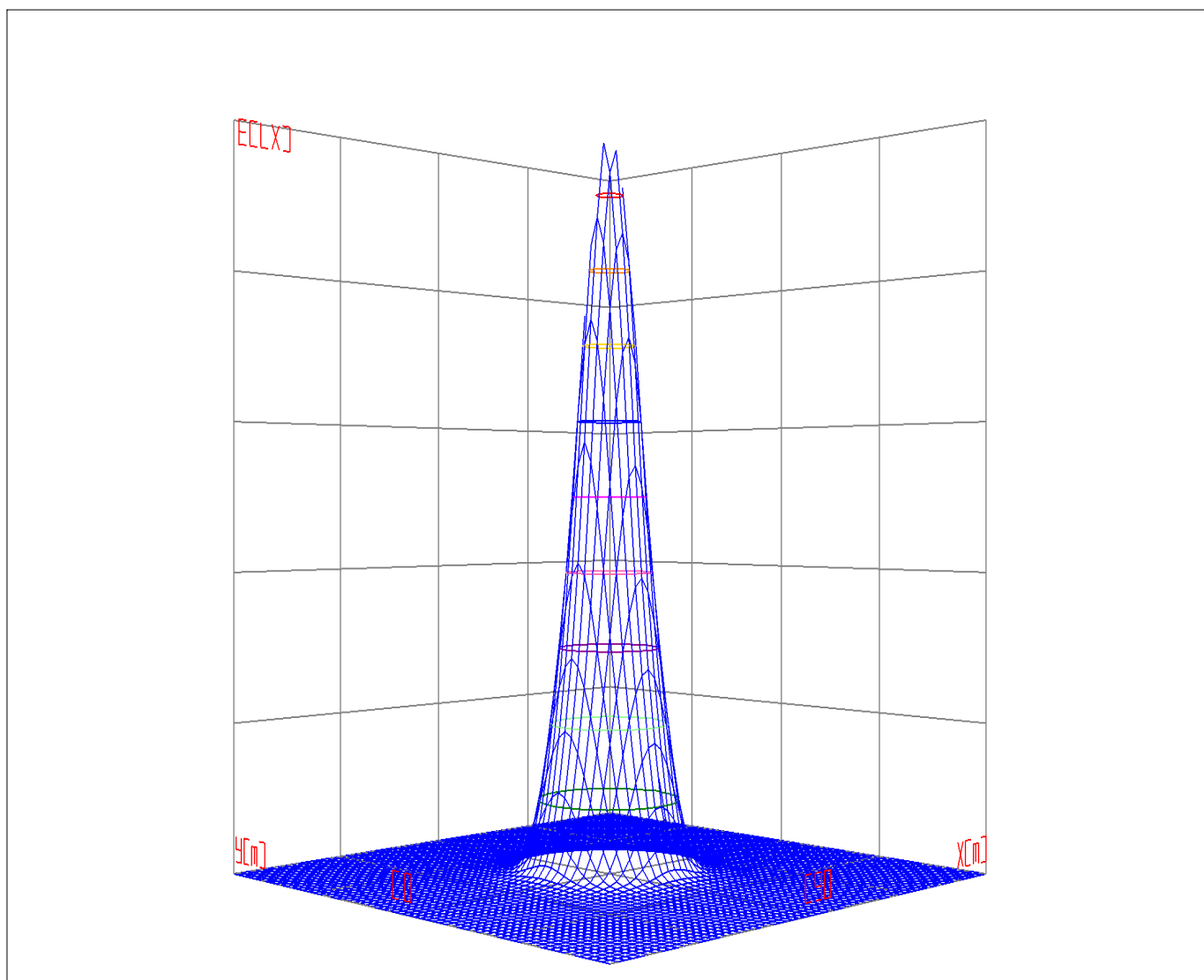
- Curves:  
unit:lx  
[EMax] =89.399
- [EMax\*90%]=80.459
  - [EMax\*80%]=71.519
  - [EMax\*70%]=62.579
  - [EMax\*60%]=53.639
  - [EMax\*50%]=44.700
  - [EMax\*40%]=35.760
  - [EMax\*30%]=26.820
  - [EMax\*20%]=17.880
  - [EMax\*10%]=8.940

Working Plane Luminaire Mounting Height(m): 3.00  
 Working Plane Maximum Illuminance(lx): 89.40  
 Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

**3D Plane ISO Illuminance Diagram**

Lum. Name: CL2-13WD 1800K-3000K RA95 Reflector 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture:	Test Machine:GON-2000	Test Date: 2018/11/27

**3D Plane Illuminance Modal**



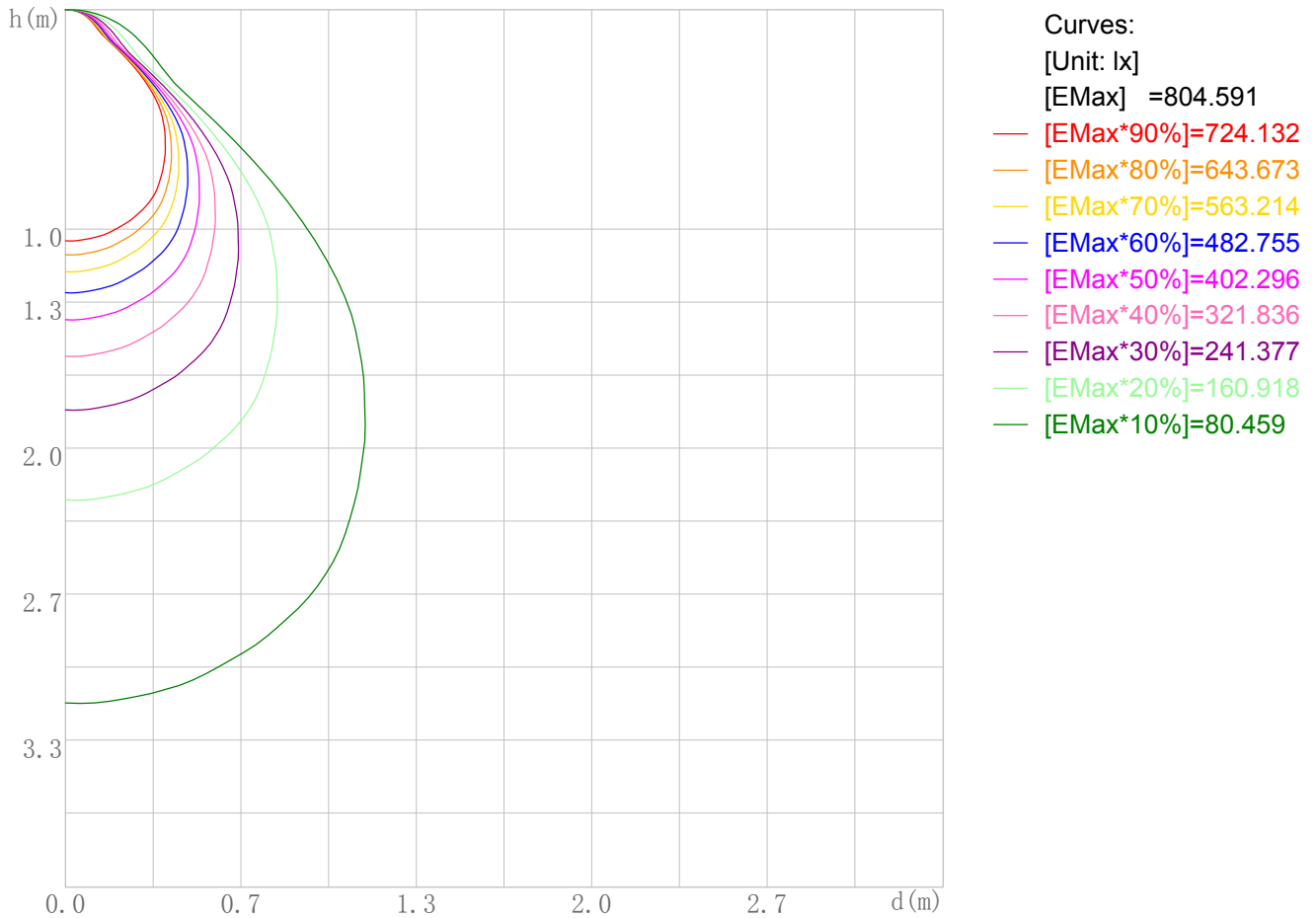
Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —  
 View Angles(deg): 0    Height(m): 3.0    Distance(m): 10.0



**Space ISO Illuminance Diagram**

Lum. Name: CL2-13WD 1800K-3000K RA95 Reflector 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture:	Test Machine:GON-2000	Test Date: 2018/11/27

Space ISO Illuminance Curve

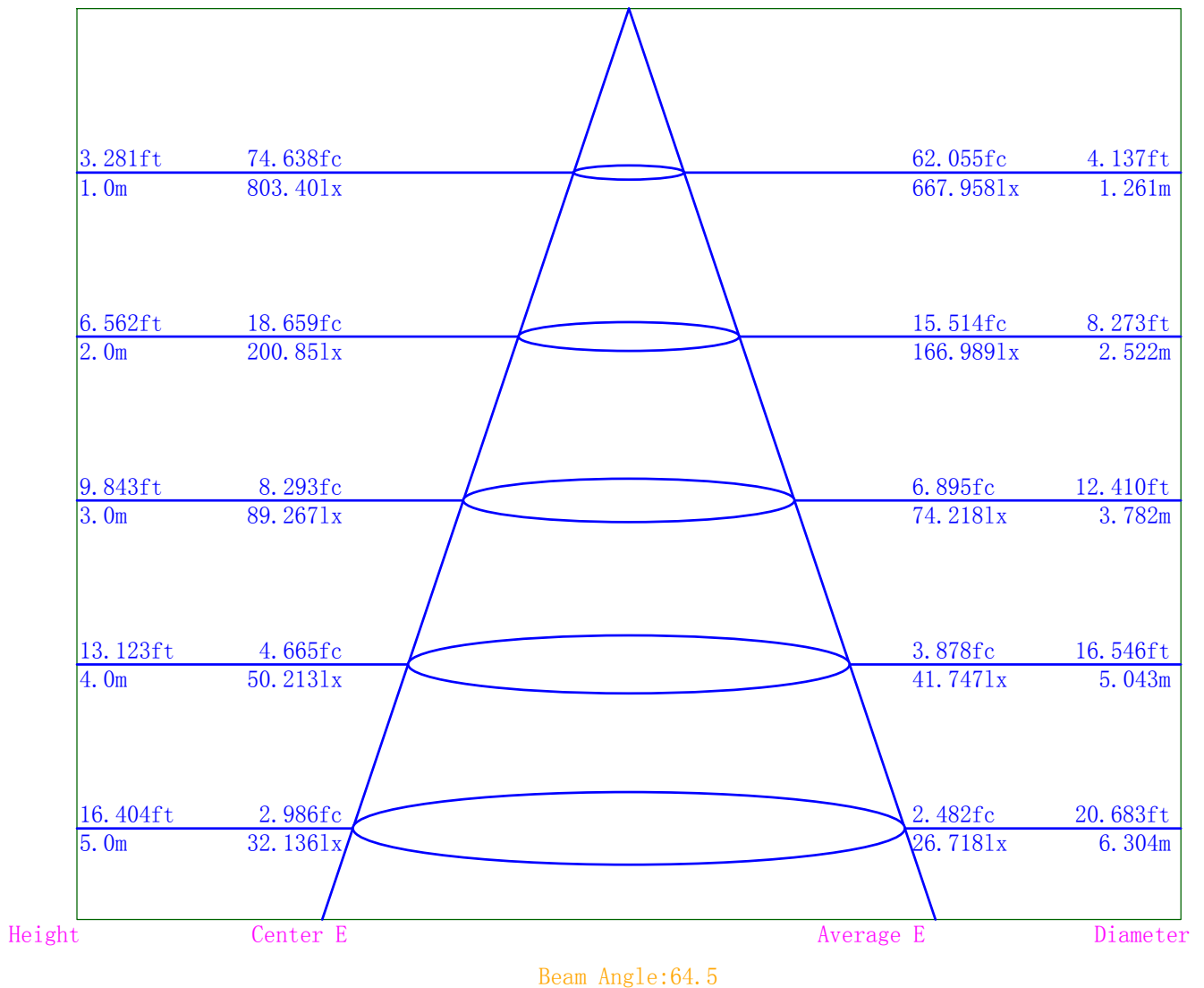


Space Plane Maximum Illuminance and @Angle:804.59lx,1.0deg  
 Plane Maximum Lighting Intensity and @Angle:804.959cd,0deg

**Illuminance-Distance Diagram**

Lum. Name: CL2-13WD 1800K-3000K RA95 Reflector 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture:	Test Machine:GON-2000	Test Date: 2018/11/27

**Illuminance-Distance Curve**



**Indoor Luminance Limiting Curves**

Lum. Name: CL2-13WD 1800K-3000K RA95 Reflector 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture:	Test Machine:GON-2000	Test Date: 2018/11/27

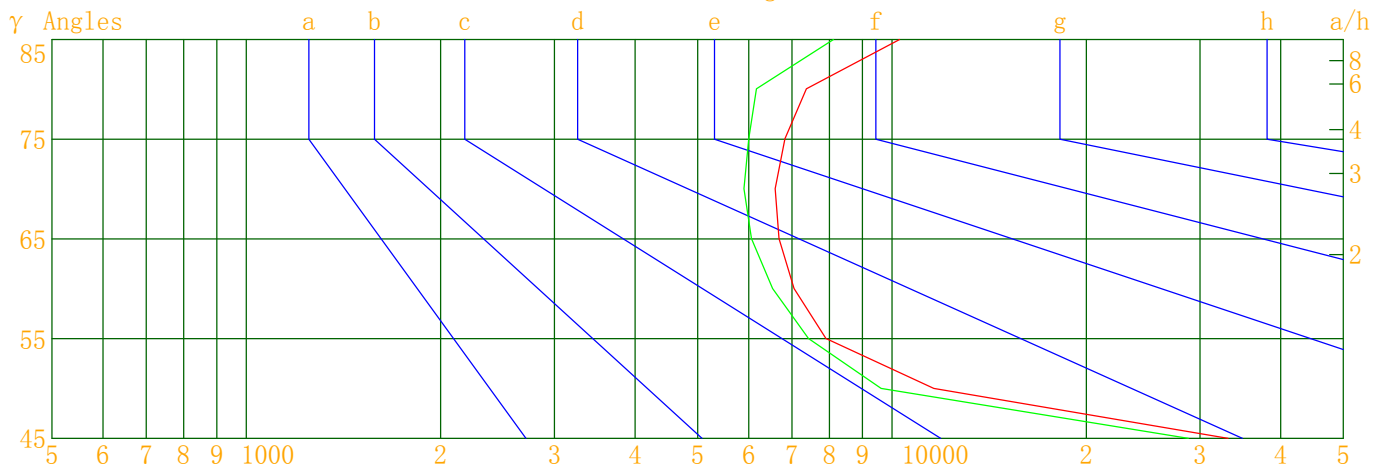
Glare Grade Table

GI	Quality	Using Illuminance							
		a	b	c	d	e	f	g	h
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	a				2000	1000	500	<=300
			b	c	d	e	f	g	h

Luminance Table

Gama (deg)	45	50	55	60	65	70	75	80	85
C0	33140	11612	7900	7054	6683	6594	6828	7371	10276
C90	28773	9623	7424	6532	6060	5900	6001	6168	8117

Luminance Limiting Curve



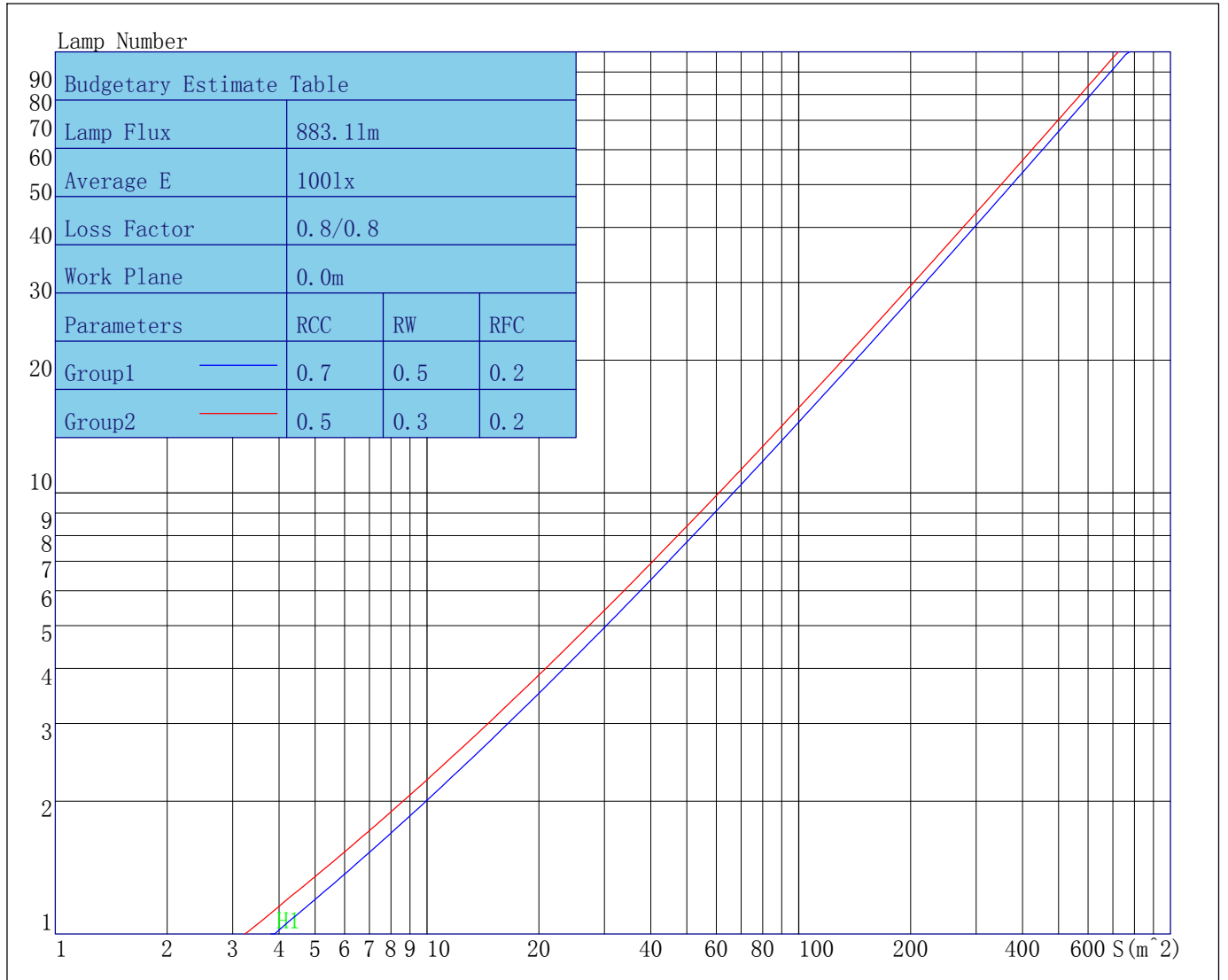
Luminous Size: Length(m)=0.050 Width(m)=0.050 Height(m)=0.068 Area(m^2)=0.005900  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: ——— C90-C270 Color: ———

**IES Indoor Report**

**Photometric Filename:CL2-13WD 1800K-3000K RA95 Reflector 60D.IES**

**Indoor Budgetary Estimate Table**

Lum. Name: CL2-13WD 1800K-3000K RA95 Reflector 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture:	Test Machine:GON-2000	Test Date: 2018/11/27



Parameters1: Rhocc = 0.7 Rhow = 0.5 Rhofc = 0.2 LLF = 0.8  
 Parameters2: Rhocc = 0.5 Rhow = 0.3 Rhofc = 0.2 LLF = 0.8  
 Average Illuminance(lx): 100 Cavity Height: H1(m) = 2

**Indoor Coefficient of Utilization Table**

Lum. Name: CL2-13WD 1800K-3000K RA95 Reflector 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture:	Test Machine:GON-2000	Test Date: 2018/11/27

Coefficients of Utilization - Zonal Cavity Method																		
Coef.	Effective Floor Cavity Reflectance RFC=0.20																	
RhoCC (%)	80				70				50			30			10			0
RhoW (%)	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	Coefficient of Utilization (%)																	
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	112	109	106	104	109	107	104	102	102	100	98	98	96	95	94	93	92	90
2	106	100	96	92	103	98	94	91	95	91	88	91	88	86	88	86	84	82
3	100	92	87	82	97	91	86	82	88	83	80	85	81	78	82	79	77	75
4	94	85	79	75	92	84	78	74	82	77	73	79	75	72	77	74	71	69
5	89	79	73	68	87	78	72	68	76	71	67	74	70	66	72	68	65	64
6	84	74	67	62	82	73	67	62	71	66	62	69	65	61	68	64	60	59
7	79	69	62	58	77	68	62	57	67	61	57	65	60	56	64	59	56	54
8	75	64	58	53	73	64	58	53	62	57	53	61	56	52	60	55	52	51
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	47
10	67	57	51	46	66	56	50	46	55	50	46	54	49	46	53	49	46	44

# IES Indoor Report

**Photometric Filename:CL2-13WD 1800K-3000K RA95 Reflector 60D.IES**

## Unified Glare Rating Table

Lum. Name: CL2-13WD 1800K-3000K RA95 Reflector 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture:	Test Machine:GON-2000	Test Date: 2018/11/27

## Unified Glare Rating Table

Ceiling RCC	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
Wall RW	0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
Floor RFC	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room Size	Viewed crosswise					Viewed endwise				
X=2H Y=2H	20.8	21.8	21.2	22.2	22.6	20.2	21.3	20.6	21.6	22.0
Y=3H	20.8	21.8	21.3	22.2	22.6	20.3	21.2	20.7	21.6	22.0
Y=4H	20.9	21.8	21.4	22.2	22.6	20.3	21.2	20.8	21.6	22.1
Y=6H	21.0	21.8	21.5	22.2	22.7	20.4	21.2	20.9	21.6	22.1
Y=8H	21.1	21.8	21.5	22.3	22.7	20.4	21.2	20.9	21.6	22.1
Y=12H	21.1	21.9	21.6	22.3	22.8	20.5	21.2	21.0	21.6	22.1
X=4H Y=2H	20.6	21.5	21.0	21.9	22.3	20.0	20.9	20.5	21.3	21.8
Y=3H	20.8	21.5	21.2	21.9	22.4	20.2	20.9	20.7	21.4	21.8
Y=4H	20.9	21.6	21.4	22.0	22.5	20.3	21.0	20.8	21.5	22.0
Y=6H	21.1	21.7	21.6	22.2	22.7	20.5	21.1	21.0	21.6	22.1
Y=8H	21.2	21.8	21.7	22.3	22.8	20.6	21.1	21.1	21.6	22.1
Y=12H	21.4	21.8	21.9	22.4	22.9	20.7	21.2	21.2	21.7	22.2
X=8H Y=4H	20.9	21.4	21.4	21.9	22.4	20.3	20.9	20.8	21.3	21.9
Y=6H	21.2	21.6	21.7	22.2	22.7	20.6	21.0	21.1	21.6	22.1
Y=8H	21.4	21.8	21.9	22.3	22.9	20.7	21.1	21.3	21.7	22.2
Y=12H	21.6	22.0	22.2	22.5	23.1	20.9	21.3	21.5	21.8	22.4
X=12H Y=4H	20.9	21.3	21.4	21.8	22.4	20.3	20.8	20.8	21.3	21.8
Y=6H	21.2	21.6	21.8	22.1	22.7	20.6	21.0	21.2	21.5	22.1
Y=8H	21.4	21.8	22.0	22.3	22.9	20.8	21.1	21.3	21.7	22.3
Variations with the observer position at spacings										
S=1.0H	0.2/-0.2					0.3/-0.3				
S=1.5H	0.5/-0.5					0.5/-0.6				
S=2.0H	0.5/-0.6					0.6/-0.7				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	1.0					1.0				

to the CIE Pub.117, data has been corrected, refers to the lamp's lumens 8.2flm.

# IES Indoor Report

Photometric Filename:CL2-13WD 1800K-3000K RA95 Reflector 60D.IES

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## Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
γ 0.0	803.40	803.40	803.40	803.40
γ 1.0	804.96	801.87	801.13	799.57
γ 2.0	804.88	800.62	798.08	797.15
γ 3.0	803.20	797.89	792.97	795.47
γ 4.0	800.24	795.54	789.75	792.51
γ 5.0	797.30	790.87	784.08	789.48
γ 6.0	794.29	786.59	778.21	784.75
γ 7.0	789.86	780.98	770.05	777.15
γ 8.0	786.04	774.13	760.63	769.33
γ 9.0	779.61	765.70	751.63	758.97
γ 10.0	771.81	756.99	744.06	751.16
γ 11.0	763.19	746.81	733.79	743.44
γ 12.0	754.73	737.34	723.65	734.60
γ 13.0	746.87	728.10	711.86	725.83
γ 14.0	738.68	718.71	699.57	714.57
γ 15.0	728.24	707.93	686.93	702.46
γ 16.0	717.07	697.15	673.27	690.18
γ 17.0	705.93	685.76	657.30	675.18
γ 18.0	695.60	673.93	640.85	660.14
γ 19.0	683.51	659.99	623.52	643.42
γ 20.0	670.21	645.24	604.49	625.27
γ 21.0	654.93	628.89	585.20	604.49
γ 22.0	639.13	610.63	566.99	583.86
γ 23.0	621.40	590.01	548.51	565.86
γ 24.0	601.57	569.01	528.42	547.40
γ 25.0	580.73	550.10	508.36	525.94
γ 26.0	560.72	531.28	492.04	506.79
γ 27.0	540.89	509.85	473.45	488.97
γ 28.0	518.97	491.60	452.42	467.69
γ 29.0	499.01	474.41	432.47	447.32
γ 30.0	479.97	454.50	414.99	429.90
γ 31.0	458.70	433.42	396.67	413.76
γ 32.0	436.45	415.06	374.07	394.54
γ 33.0	417.07	398.27	353.97	375.35
γ 34.0	398.19	377.80	331.72	356.37
γ 35.0	377.76	357.17	306.82	334.91
γ 36.0	356.82	337.93	280.22	308.88
γ 37.0	337.92	316.20	253.15	280.08
γ 38.0	317.91	292.13	226.42	249.93
γ 39.0	294.70	265.78	199.85	220.99
γ 40.0	269.91	238.28	173.22	194.69
γ 41.0	243.93	209.16	147.08	170.99
γ 42.0	217.10	181.99	121.73	150.19
γ 43.0	190.50	159.44	97.98	129.27
γ 44.0	164.18	140.54	77.21	105.15
γ 45.0	138.26	120.04	60.02	81.60
γ 46.0	113.78	96.88	47.08	61.91

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## IES Indoor Report

Photometric Filename:CL2-13WD 1800K-3000K RA95 Reflector 60D.IES

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### Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	91.27	75.48	38.61	47.63
γ 48.0	71.49	57.77	35.12	39.33
γ 49.0	55.71	44.32	32.52	35.57
γ 50.0	44.04	36.49	30.08	32.29
γ 51.0	36.47	33.23	28.14	29.26
γ 52.0	33.11	30.53	26.47	27.43
γ 53.0	30.68	28.32	24.88	25.80
γ 54.0	28.37	26.64	23.43	24.16
γ 55.0	26.73	25.12	22.15	22.79
γ 56.0	25.36	23.70	21.03	21.63
γ 57.0	23.95	22.37	19.99	20.61
γ 58.0	22.82	21.27	18.97	19.77
γ 59.0	21.76	20.20	17.97	18.84
γ 60.0	20.81	19.27	16.96	17.85
γ 61.0	19.85	18.31	16.17	17.10
γ 62.0	18.97	17.33	15.54	16.36
γ 63.0	18.00	16.51	14.98	15.78
γ 64.0	17.26	15.75	14.40	15.20
γ 65.0	16.66	15.11	13.76	14.61
γ 66.0	16.01	14.58	13.14	13.91
γ 67.0	15.31	13.86	12.60	13.31
γ 68.0	14.63	13.12	12.08	12.85
γ 69.0	13.97	12.47	11.60	12.39
γ 70.0	13.31	11.90	11.05	11.95
γ 71.0	12.79	11.35	10.45	11.42
γ 72.0	12.31	10.92	9.80	10.81
γ 73.0	11.72	10.32	9.25	10.30
γ 74.0	11.09	9.74	8.82	9.80
γ 75.0	10.43	9.16	8.34	9.29
γ 76.0	9.92	8.63	7.71	8.69
γ 77.0	9.30	8.04	7.11	8.09
γ 78.0	8.78	7.47	6.58	7.60
γ 79.0	8.10	6.79	6.08	7.12
γ 80.0	7.55	6.32	5.63	6.72
γ 81.0	7.04	5.89	5.15	6.21
γ 82.0	6.55	5.45	4.75	5.75
γ 83.0	6.10	4.96	4.39	5.36
γ 84.0	5.64	4.52	4.10	5.05
γ 85.0	5.28	4.17	3.78	4.68
γ 86.0	4.99	3.90	3.51	4.33
γ 87.0	4.60	3.61	3.17	4.08
γ 88.0	4.24	3.30	2.82	3.74
γ 89.0	3.97	3.00	2.66	3.41
γ 90.0	3.67	2.66	2.58	3.28
γ 91.0	3.33	2.48	2.50	3.17
γ 92.0	3.18	2.40	2.43	3.09
γ 93.0	3.09	2.33	2.36	2.99

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## IES Indoor Report

Photometric Filename:CL2-13WD 1800K-3000K RA95 Reflector 60D.IES

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### Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	2.99	2.26	2.30	2.90
γ 95.0	2.91	2.20	2.23	2.83
γ 96.0	2.83	2.14	2.18	2.75
γ 97.0	2.75	2.07	2.13	2.68
γ 98.0	2.67	2.02	2.08	2.62
γ 99.0	2.60	1.97	2.05	2.57
γ 100.0	2.53	1.92	2.01	2.51
γ 101.0	2.48	1.87	1.98	2.46
γ 102.0	2.42	1.85	1.95	2.42
γ 103.0	2.37	1.81	1.93	2.38
γ 104.0	2.32	1.78	1.93	2.36
γ 105.0	2.28	1.75	1.91	2.31
γ 106.0	2.24	1.74	1.91	2.31
γ 107.0	2.20	1.71	1.90	2.28
γ 108.0	2.18	1.72	1.91	2.27
γ 109.0	2.16	1.71	1.93	2.26
γ 110.0	2.15	1.71	1.93	2.26
γ 111.0	2.14	1.72	1.96	2.27
γ 112.0	2.13	1.73	1.98	2.28
γ 113.0	2.14	1.74	2.00	2.28
γ 114.0	2.14	1.76	2.04	2.31
γ 115.0	2.15	1.78	2.07	2.33
γ 116.0	2.17	1.81	2.10	2.35
γ 117.0	2.18	1.84	2.15	2.39
γ 118.0	2.20	1.87	2.20	2.42
γ 119.0	2.22	1.91	2.25	2.45
γ 120.0	2.26	1.96	2.30	2.50
γ 121.0	2.30	2.00	2.37	2.54
γ 122.0	2.33	2.05	2.42	2.59
γ 123.0	2.38	2.10	2.49	2.64
γ 124.0	2.42	2.16	2.56	2.69
γ 125.0	2.46	2.23	2.61	2.75
γ 126.0	2.52	2.29	2.69	2.81
γ 127.0	2.57	2.35	2.77	2.87
γ 128.0	2.64	2.42	2.84	2.92
γ 129.0	2.70	2.48	2.91	3.01
γ 130.0	2.76	2.57	3.00	3.07
γ 131.0	2.82	2.64	3.08	3.15
γ 132.0	2.89	2.71	3.17	3.22
γ 133.0	2.96	2.79	3.26	3.29
γ 134.0	3.04	2.87	3.34	3.37
γ 135.0	3.11	2.97	3.42	3.45
γ 136.0	3.19	3.05	3.52	3.53
γ 137.0	3.28	3.13	3.61	3.61
γ 138.0	3.36	3.21	3.70	3.70
γ 139.0	3.44	3.30	3.78	3.78
γ 140.0	3.52	3.39	3.86	3.85

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## IES Indoor Report

Photometric Filename:CL2-13WD 1800K-3000K RA95 Reflector 60D.IES

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### Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	3.60	3.47	3.94	3.92
γ 142.0	3.68	3.56	4.03	4.00
γ 143.0	3.76	3.63	4.10	4.08
γ 144.0	3.84	3.72	4.18	4.14
γ 145.0	3.91	3.80	4.26	4.23
γ 146.0	3.98	3.87	4.33	4.29
γ 147.0	4.06	3.94	4.41	4.36
γ 148.0	4.15	4.02	4.48	4.43
γ 149.0	4.21	4.09	4.55	4.51
γ 150.0	4.28	4.17	4.62	4.55
γ 151.0	4.35	4.24	4.70	4.62
γ 152.0	4.43	4.31	4.78	4.69
γ 153.0	4.50	4.39	4.84	4.76
γ 154.0	4.57	4.46	4.91	4.84
γ 155.0	4.64	4.53	4.98	4.90
γ 156.0	4.72	4.61	5.06	4.96
γ 157.0	4.79	4.68	5.12	5.03
γ 158.0	4.86	4.77	5.19	5.11
γ 159.0	4.94	4.85	5.26	5.17
γ 160.0	5.02	4.93	5.34	5.24
γ 161.0	5.09	4.99	5.40	5.31
γ 162.0	5.16	5.07	5.47	5.36
γ 163.0	5.24	5.15	5.54	5.44
γ 164.0	5.31	5.21	5.60	5.51
γ 165.0	5.38	5.29	5.66	5.57
γ 166.0	5.46	5.37	5.73	5.62
γ 167.0	5.52	5.43	5.79	5.70
γ 168.0	5.60	5.51	5.86	5.75
γ 169.0	5.67	5.58	5.92	5.81
γ 170.0	5.73	5.65	5.98	5.87
γ 171.0	5.80	5.71	6.03	5.91
γ 172.0	5.86	5.78	6.08	5.95
γ 173.0	5.92	5.83	6.13	6.01
γ 174.0	5.99	5.89	6.16	6.04
γ 175.0	6.05	5.94	6.19	6.07
γ 176.0	6.10	6.00	6.23	6.11
γ 177.0	6.14	6.02	6.26	6.13
γ 178.0	6.18	6.06	6.26	6.16
γ 179.0	6.22	6.09	6.26	6.17
γ 180.0	6.21	6.21	6.21	6.21

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