

IES Indoor Report

Photometric Filename:AD10104-20W-3000K-RA90-45D-WH-IES.IES

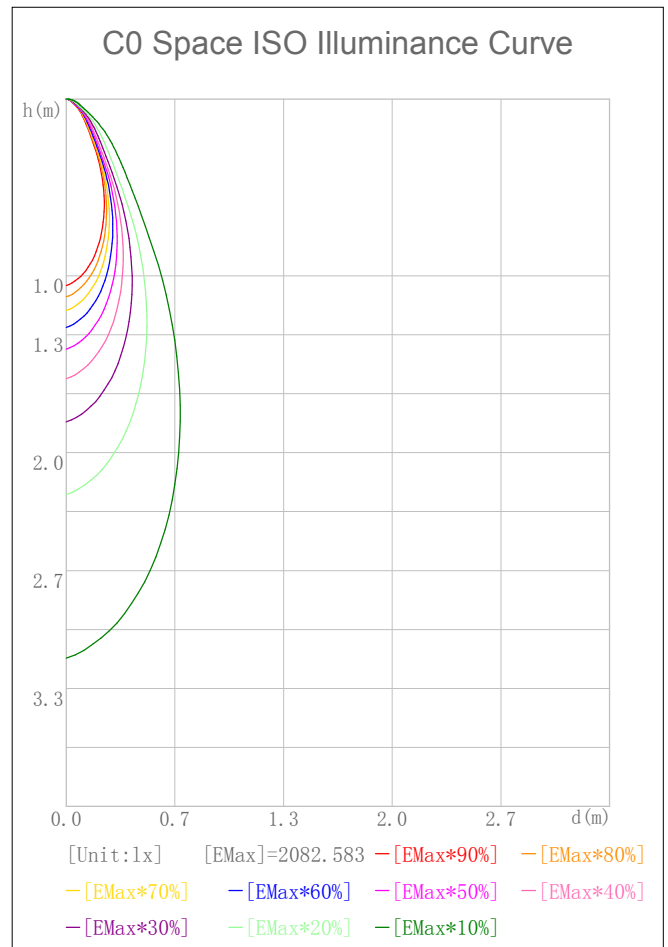
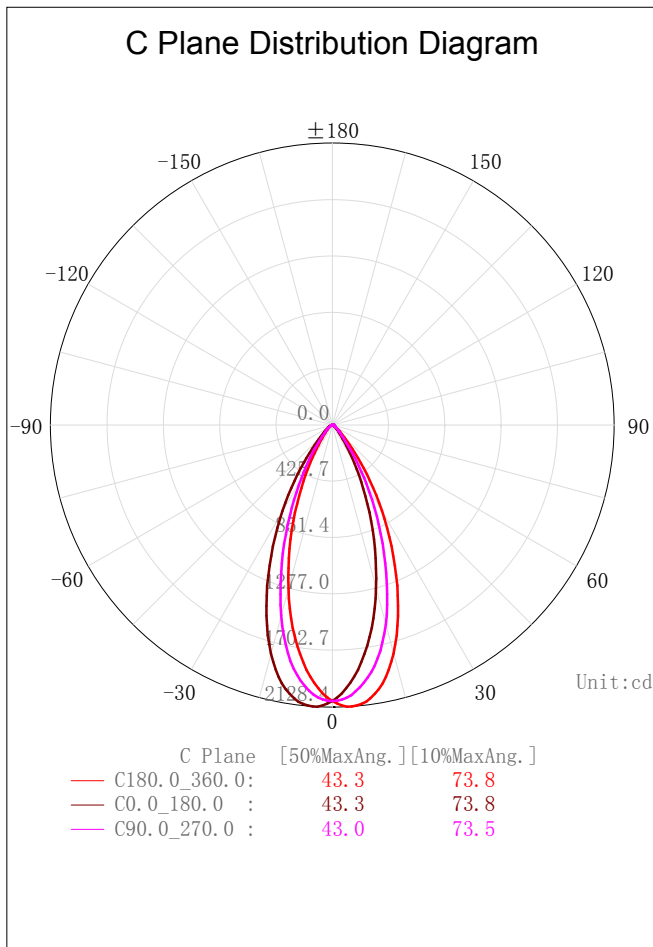
Indoor Luminaire Photometric Data

Description Information

Luminary Name: AD10104-20W-3000K-RA90-45D-WH-IES		Lum. Catalog:	Test ID:
Lamp Name: CLM-930-90-36-AA40-F5-3B		Lamp Catalog: COB	Test Date: 2022/10/31
Manufacture:		Shld. Ang(°):45	Test Machine:GON-2000
Test Lab: Test		Frequency(Hz):50	Lamp CCT(K): 3000 Ra: 90
Lum. Size(W*L*H):0.064m*0.065m*0.000m		Lum. Area(m2):0.003	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): 1350.000	Luminary Flux(lm): 1269.026	Field Angle(10%Imax): 73.8(°)	
Rated Power(W): 20	Luminary Efficiency: 94.00%	Down Lumens&Percent: 1267.748lm 99.90%	
Rated Voltage(V): 220	Luminary EER(lm/W): 62.025	Up Lumens&Percent: 1.278lm 0.10%	
Tested Power(W): 20.460	Max. Candela(cd): 2128.400	S/MH: C0_a180=0.698 C90_270=0.686	
Lamps' Inside: 1	Max Cand@Ang.(°): C=180.0 γ=4.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):219.2, 0.096, 0.968		Beam Angle(50%Imax): 43.3(°)	ErP Φ use(90°): 1262.814lm
Lamp Size(W*L*H):0.064m*0.065m*0.000m	Left=-17.9°, Right=25.4°	IRF(%): 399.956	



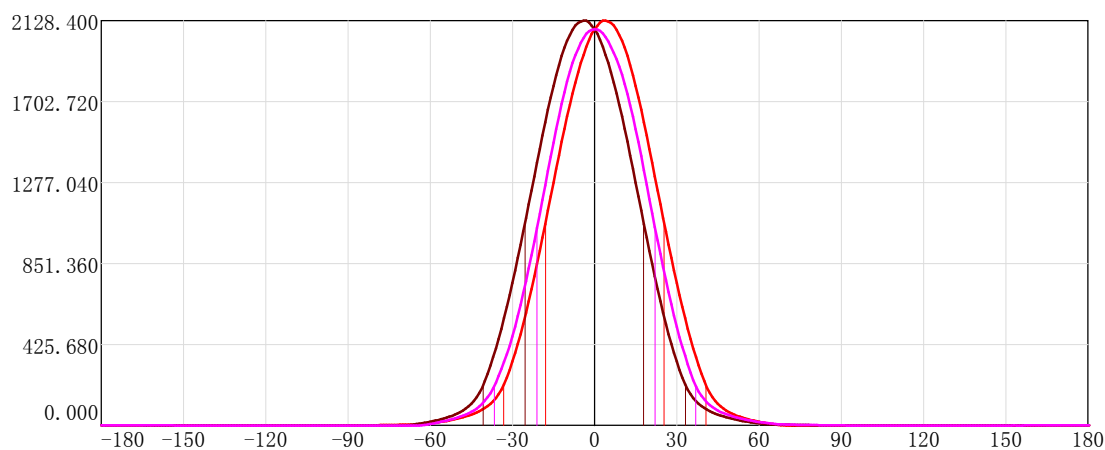
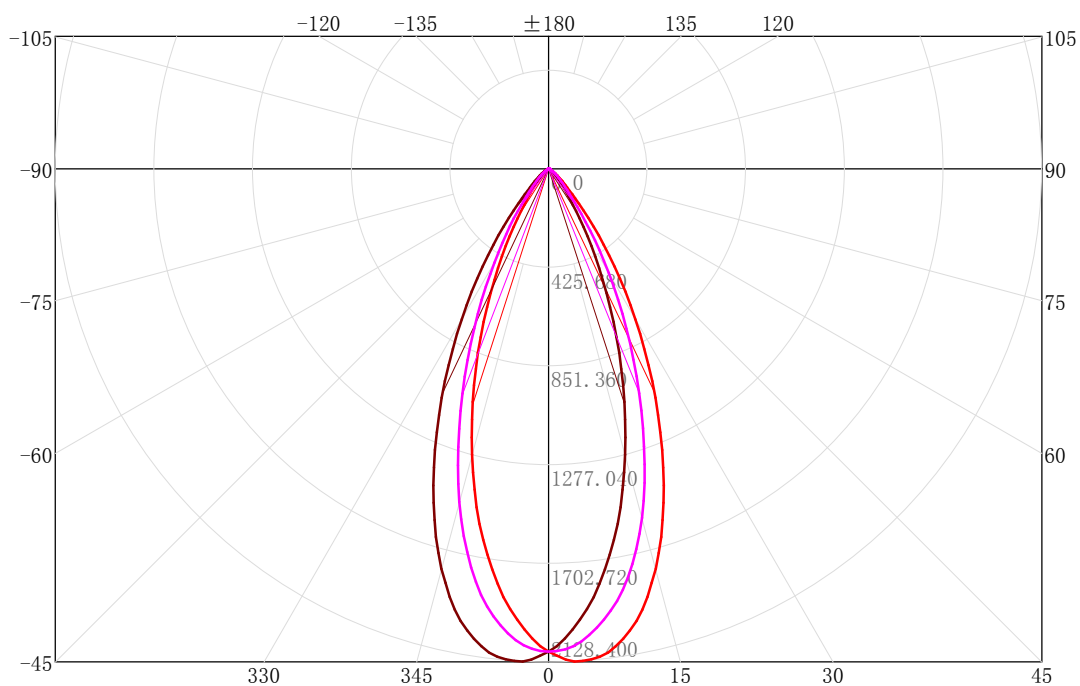
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2D Plane Light Intensity Distribution Curve

Lum. Name: AD10104-20W-3000K-RA90-45D-WH-IES	Lum. Catalog:	Test ID:
Lamp Name: CLM-930-90-36-AA40-F5-3B	Lamp Catalog: COB	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2022/10/31

C Plane Distribution Diagram



	C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
—	C180.0_360.0:	43.3	73.8	
—	C0.0_180.0 :	43.3	73.8	
—	C90.0_270.0 :	43.0	73.5	

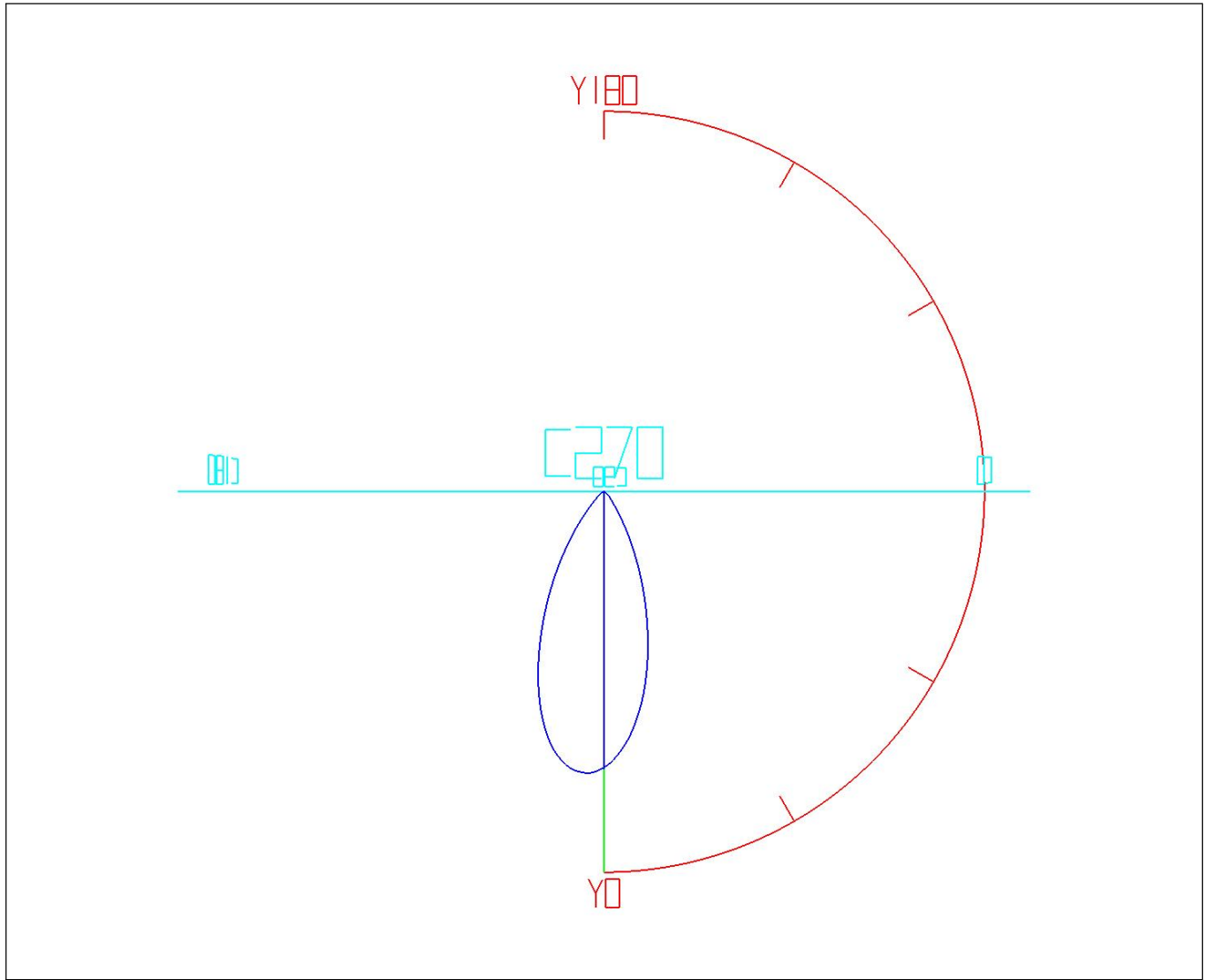
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3D Light Intensity Distribution Modal

Lum. Name: AD10104-20W-3000K-RA90-45D-WH-IES	Lum. Catalog:	Test ID:
Lamp Name: CLM-930-90-36-AA40-F5-3B	Lamp Catalog: COB	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2022/10/31

3D Light Intensity Distribution Modal



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

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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	1.99	1.99	0.15	0.15	47.0-48.0	5.02	1223.16	0.37	90.60
1.0-2.0	5.96	7.95	0.44	0.59	48.0-49.0	4.60	1227.76	0.34	90.95
2.0-3.0	9.88	17.84	0.73	1.32	49.0-50.0	4.23	1231.99	0.31	91.26
3.0-4.0	13.72	31.56	1.02	2.34	50.0-51.0	3.88	1235.87	0.29	91.55
4.0-5.0	17.44	49.00	1.29	3.63	51.0-52.0	3.56	1239.43	0.26	91.81
5.0-6.0	21.03	70.03	1.56	5.19	52.0-53.0	3.26	1242.69	0.24	92.05
6.0-7.0	24.45	94.48	1.81	7.00	53.0-54.0	2.96	1245.65	0.22	92.27
7.0-8.0	27.67	122.15	2.05	9.05	54.0-55.0	2.68	1248.33	0.20	92.47
8.0-9.0	30.68	152.83	2.27	11.32	55.0-56.0	2.43	1250.76	0.18	92.65
9.0-10.0	33.46	186.29	2.48	13.80	56.0-57.0	2.18	1252.94	0.16	92.81
10.0-11.0	35.96	222.25	2.66	16.46	57.0-58.0	1.93	1254.87	0.14	92.95
11.0-12.0	38.16	260.41	2.83	19.29	58.0-59.0	1.71	1256.58	0.13	93.08
12.0-13.0	40.03	300.45	2.97	22.26	59.0-60.0	1.50	1258.08	0.11	93.19
13.0-14.0	41.59	342.04	3.08	25.34	60.0-61.0	1.29	1259.37	0.10	93.29
14.0-15.0	42.83	384.87	3.17	28.51	61.0-62.0	1.10	1260.47	0.08	93.37
15.0-16.0	43.74	428.61	3.24	31.75	62.0-63.0	0.93	1261.40	0.07	93.44
16.0-17.0	44.30	472.91	3.28	35.03	63.0-64.0	0.77	1262.17	0.06	93.49
17.0-18.0	44.51	517.43	3.30	38.33	64.0-65.0	0.64	1262.81	0.05	93.54
18.0-19.0	44.44	561.86	3.29	41.62	65.0-66.0	0.54	1263.34	0.04	93.58
19.0-20.0	44.09	605.95	3.27	44.89	66.0-67.0	0.45	1263.79	0.03	93.61
20.0-21.0	43.49	649.44	3.22	48.11	67.0-68.0	0.37	1264.17	0.03	93.64
21.0-22.0	42.65	692.09	3.16	51.27	68.0-69.0	0.32	1264.49	0.02	93.67
22.0-23.0	41.56	733.65	3.08	54.34	69.0-70.0	0.28	1264.76	0.02	93.69
23.0-24.0	40.25	773.90	2.98	57.33	70.0-71.0	0.25	1265.01	0.02	93.70
24.0-25.0	38.75	812.64	2.87	60.20	71.0-72.0	0.23	1265.25	0.02	93.72
25.0-26.0	37.11	849.76	2.75	62.94	72.0-73.0	0.22	1265.47	0.02	93.74
26.0-27.0	35.36	885.12	2.62	65.56	73.0-74.0	0.21	1265.67	0.02	93.75
27.0-28.0	33.49	918.60	2.48	68.04	74.0-75.0	0.20	1265.87	0.01	93.77
28.0-29.0	31.50	950.11	2.33	70.38	75.0-76.0	0.18	1266.06	0.01	93.78
29.0-30.0	29.46	979.57	2.18	72.56	76.0-77.0	0.18	1266.23	0.01	93.79
30.0-31.0	27.37	1006.93	2.03	74.59	77.0-78.0	0.17	1266.40	0.01	93.81
31.0-32.0	25.27	1032.20	1.87	76.46	78.0-79.0	0.16	1266.56	0.01	93.82
32.0-33.0	23.22	1055.42	1.72	78.18	79.0-80.0	0.15	1266.71	0.01	93.83
33.0-34.0	21.21	1076.63	1.57	79.75	80.0-81.0	0.14	1266.85	0.01	93.84
34.0-35.0	19.23	1095.86	1.42	81.17	81.0-82.0	0.14	1266.98	0.01	93.85
35.0-36.0	17.31	1113.16	1.28	82.46	82.0-83.0	0.12	1267.11	0.01	93.86
36.0-37.0	15.53	1128.70	1.15	83.61	83.0-84.0	0.11	1267.22	0.01	93.87
37.0-38.0	13.94	1142.64	1.03	84.64	84.0-85.0	0.11	1267.33	0.01	93.88
38.0-39.0	12.46	1155.10	0.92	85.56	85.0-86.0	0.10	1267.43	0.01	93.88
39.0-40.0	11.11	1166.21	0.82	86.39	86.0-87.0	0.09	1267.52	0.01	93.89
40.0-41.0	9.90	1176.12	0.73	87.12	87.0-88.0	0.09	1267.61	0.01	93.90
41.0-42.0	8.86	1184.97	0.66	87.78	88.0-89.0	0.08	1267.69	0.01	93.90
42.0-43.0	7.97	1192.95	0.59	88.37	89.0-90.0	0.06	1267.75	0.00	93.91
43.0-44.0	7.21	1200.16	0.53	88.90	90.0-91.0	0.05	1267.80	0.00	93.91
44.0-45.0	6.55	1206.71	0.49	89.39	91.0-92.0	0.05	1267.84	0.00	93.91
45.0-46.0	5.97	1212.68	0.44	89.83	92.0-93.0	0.03	1267.88	0.00	93.92
46.0-47.0	5.46	1218.14	0.40	90.23	93.0-94.0	0.03	1267.91	0.00	93.92

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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	0.03	1267.94	0.00	93.92	141.0-142.0	0.00	1268.00	0.00	93.93
95.0-96.0	0.02	1267.96	0.00	93.92	142.0-143.0	0.00	1268.00	0.00	93.93
96.0-97.0	0.02	1267.98	0.00	93.92	143.0-144.0	0.00	1268.01	0.00	93.93
97.0-98.0	0.01	1267.99	0.00	93.93	144.0-145.0	0.01	1268.01	0.00	93.93
98.0-99.0	0.01	1268.00	0.00	93.93	145.0-146.0	0.01	1268.02	0.00	93.93
99.0-100.0	0.00	1268.00	0.00	93.93	146.0-147.0	0.01	1268.03	0.00	93.93
100.0-101.0	0.00	1268.00	0.00	93.93	147.0-148.0	0.01	1268.04	0.00	93.93
101.0-102.0	0.00	1268.00	0.00	93.93	148.0-149.0	0.02	1268.06	0.00	93.93
102.0-103.0	0.00	1268.00	0.00	93.93	149.0-150.0	0.02	1268.09	0.00	93.93
103.0-104.0	0.00	1268.00	0.00	93.93	150.0-151.0	0.02	1268.11	0.00	93.93
104.0-105.0	0.00	1268.00	0.00	93.93	151.0-152.0	0.03	1268.14	0.00	93.94
105.0-106.0	0.00	1268.00	0.00	93.93	152.0-153.0	0.03	1268.17	0.00	93.94
106.0-107.0	0.00	1268.00	0.00	93.93	153.0-154.0	0.03	1268.20	0.00	93.94
107.0-108.0	0.00	1268.00	0.00	93.93	154.0-155.0	0.04	1268.24	0.00	93.94
108.0-109.0	0.00	1268.00	0.00	93.93	155.0-156.0	0.04	1268.27	0.00	93.95
109.0-110.0	0.00	1268.00	0.00	93.93	156.0-157.0	0.04	1268.31	0.00	93.95
110.0-111.0	0.00	1268.00	0.00	93.93	157.0-158.0	0.04	1268.36	0.00	93.95
111.0-112.0	0.00	1268.00	0.00	93.93	158.0-159.0	0.04	1268.40	0.00	93.96
112.0-113.0	0.00	1268.00	0.00	93.93	159.0-160.0	0.04	1268.45	0.00	93.96
113.0-114.0	0.00	1268.00	0.00	93.93	160.0-161.0	0.04	1268.49	0.00	93.96
114.0-115.0	0.00	1268.00	0.00	93.93	161.0-162.0	0.04	1268.53	0.00	93.97
115.0-116.0	0.00	1268.00	0.00	93.93	162.0-163.0	0.04	1268.57	0.00	93.97
116.0-117.0	0.00	1268.00	0.00	93.93	163.0-164.0	0.04	1268.61	0.00	93.97
117.0-118.0	0.00	1268.00	0.00	93.93	164.0-165.0	0.04	1268.66	0.00	93.97
118.0-119.0	0.00	1268.00	0.00	93.93	165.0-166.0	0.04	1268.70	0.00	93.98
119.0-120.0	0.00	1268.00	0.00	93.93	166.0-167.0	0.04	1268.74	0.00	93.98
120.0-121.0	0.00	1268.00	0.00	93.93	167.0-168.0	0.04	1268.78	0.00	93.98
121.0-122.0	0.00	1268.00	0.00	93.93	168.0-169.0	0.04	1268.82	0.00	93.99
122.0-123.0	0.00	1268.00	0.00	93.93	169.0-170.0	0.03	1268.85	0.00	93.99
123.0-124.0	0.00	1268.00	0.00	93.93	170.0-171.0	0.03	1268.88	0.00	93.99
124.0-125.0	0.00	1268.00	0.00	93.93	171.0-172.0	0.03	1268.91	0.00	93.99
125.0-126.0	0.00	1268.00	0.00	93.93	172.0-173.0	0.03	1268.94	0.00	94.00
126.0-127.0	0.00	1268.00	0.00	93.93	173.0-174.0	0.02	1268.96	0.00	94.00
127.0-128.0	0.00	1268.00	0.00	93.93	174.0-175.0	0.02	1268.98	0.00	94.00
128.0-129.0	0.00	1268.00	0.00	93.93	175.0-176.0	0.02	1269.00	0.00	94.00
129.0-130.0	0.00	1268.00	0.00	93.93	176.0-177.0	0.01	1269.01	0.00	94.00
130.0-131.0	0.00	1268.00	0.00	93.93	177.0-178.0	0.01	1269.02	0.00	94.00
131.0-132.0	0.00	1268.00	0.00	93.93	178.0-179.0	0.01	1269.02	0.00	94.00
132.0-133.0	0.00	1268.00	0.00	93.93	179.0-180.0	0.00	1269.03	0.00	94.00
133.0-134.0	0.00	1268.00	0.00	93.93					
134.0-135.0	0.00	1268.00	0.00	93.93					
135.0-136.0	0.00	1268.00	0.00	93.93					
136.0-137.0	0.00	1268.00	0.00	93.93					
137.0-138.0	0.00	1268.00	0.00	93.93					
138.0-139.0	0.00	1268.00	0.00	93.93					
139.0-140.0	0.00	1268.00	0.00	93.93					
140.0-141.0	0.00	1268.00	0.00	93.93					

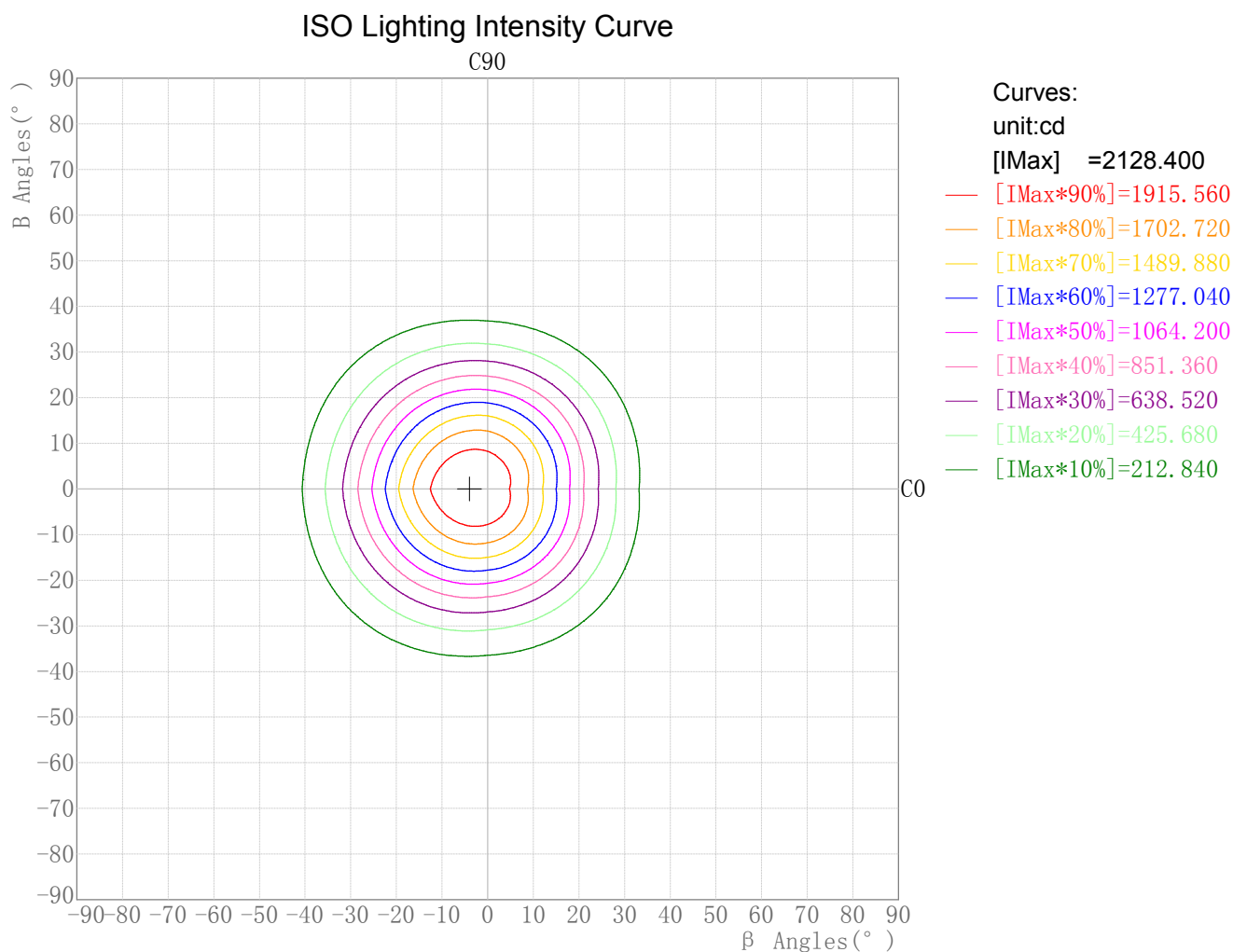
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Rectangle ISO Lighting Intensity Diagram

Lum. Name: AD10104-20W-3000K-RA90-45D-WH-IES	Lum. Catalog:	Test ID:
Lamp Name: CLM-930-90-36-AA40-F5-3B	Lamp Catalog: COB	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2022/10/31



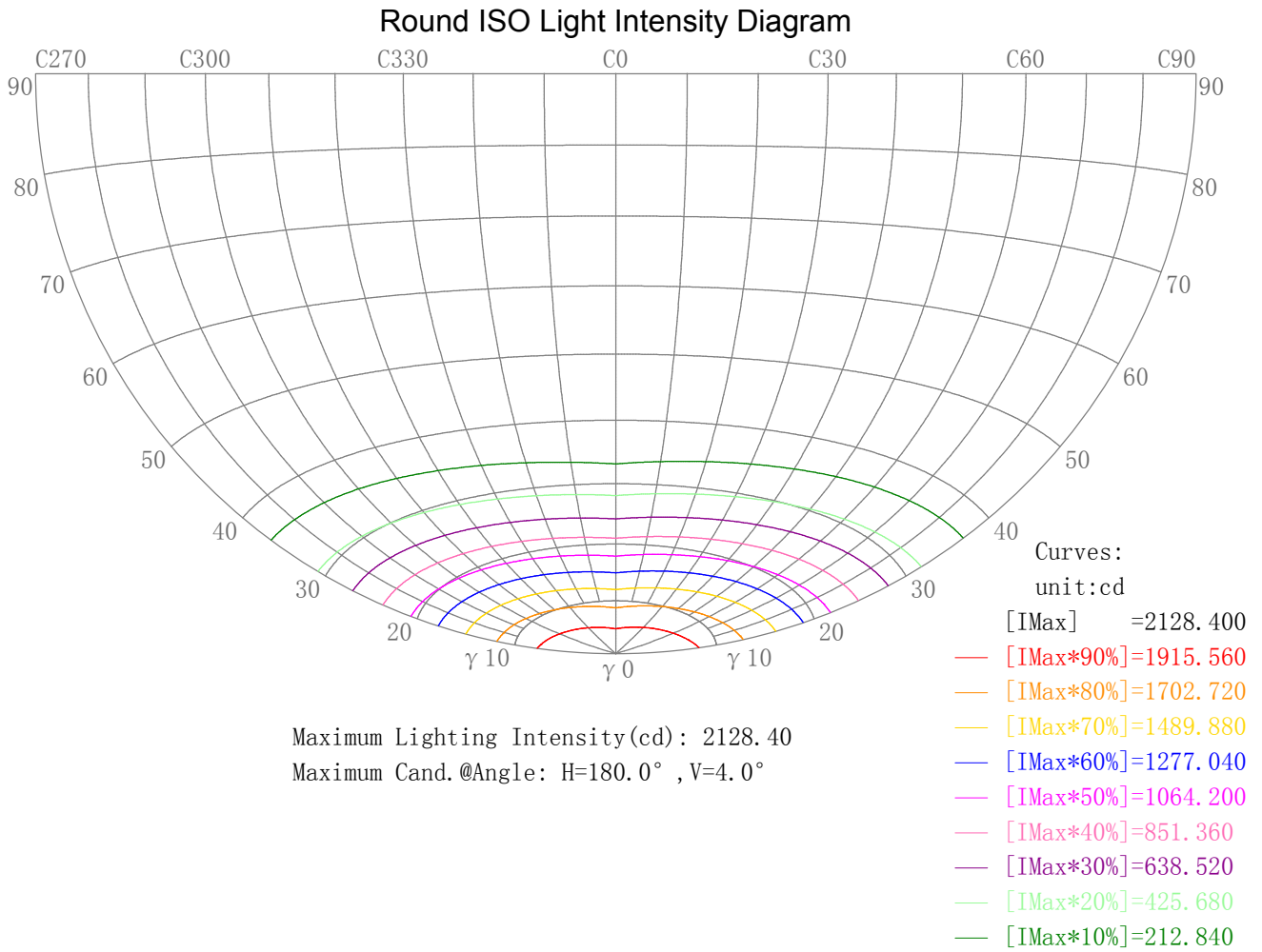
Maximum Light Intensity(cd): 2128.40
Maximum Cand.@Angle: H=-4.0°,V=0.0°

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Round ISO Lighting Intensity Diagram

Lum. Name: AD10104-20W-3000K-RA90-45D-WH-IES	Lum. Catalog:	Test ID:
Lamp Name: CLM-930-90-36-AA40-F5-3B	Lamp Catalog: COB	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2022/10/31



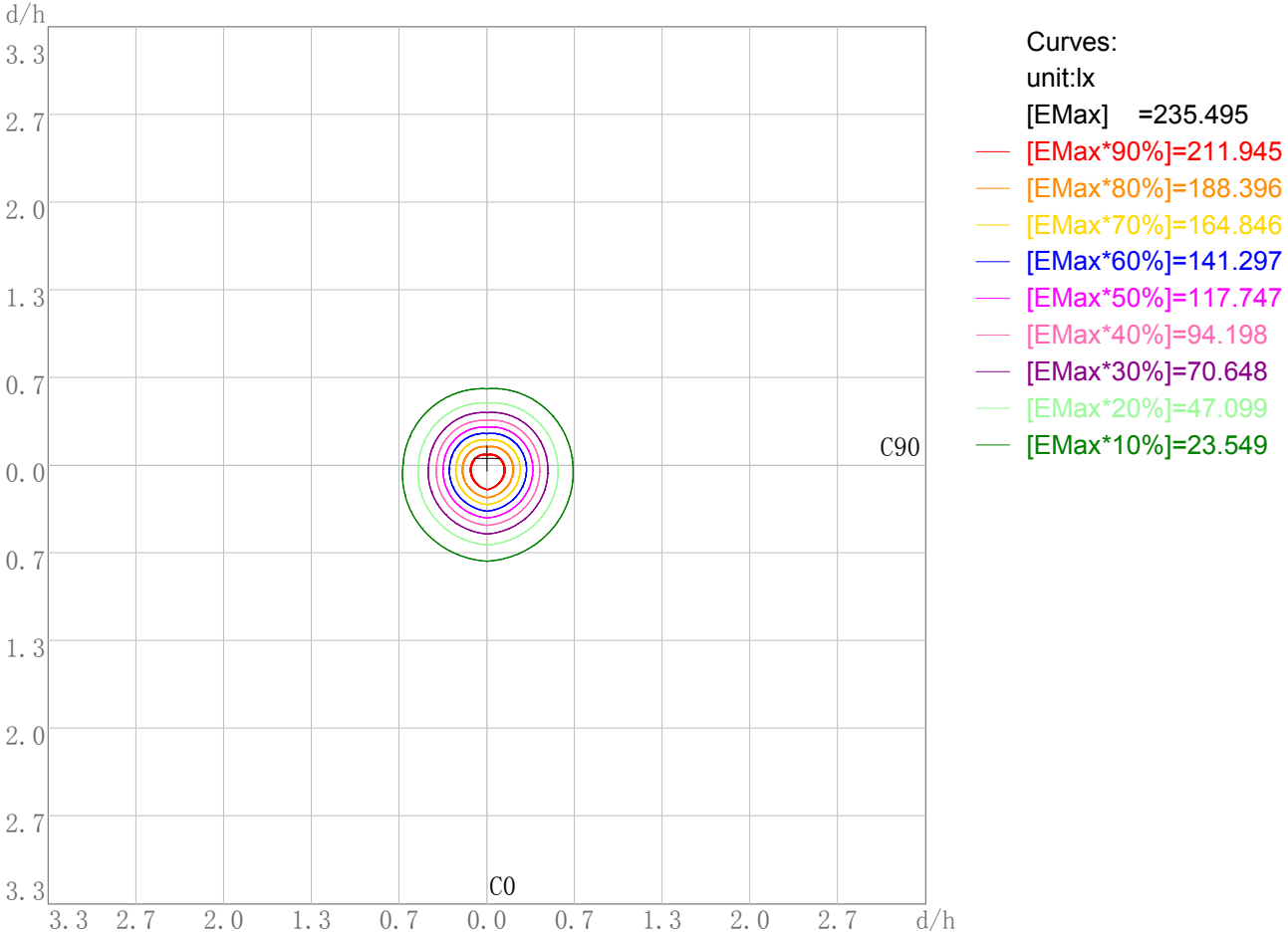
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Plane ISO-Illuminance Diagram

Lum. Name: AD10104-20W-3000K-RA90-45D-WH-IES	Lum. Catalog:	Test ID:
Lamp Name: CLM-930-90-36-AA40-F5-3B	Lamp Catalog: COB	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2022/10/31

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00
 Working Plane Maximum Illuminance(lx): 235.49
 Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.1

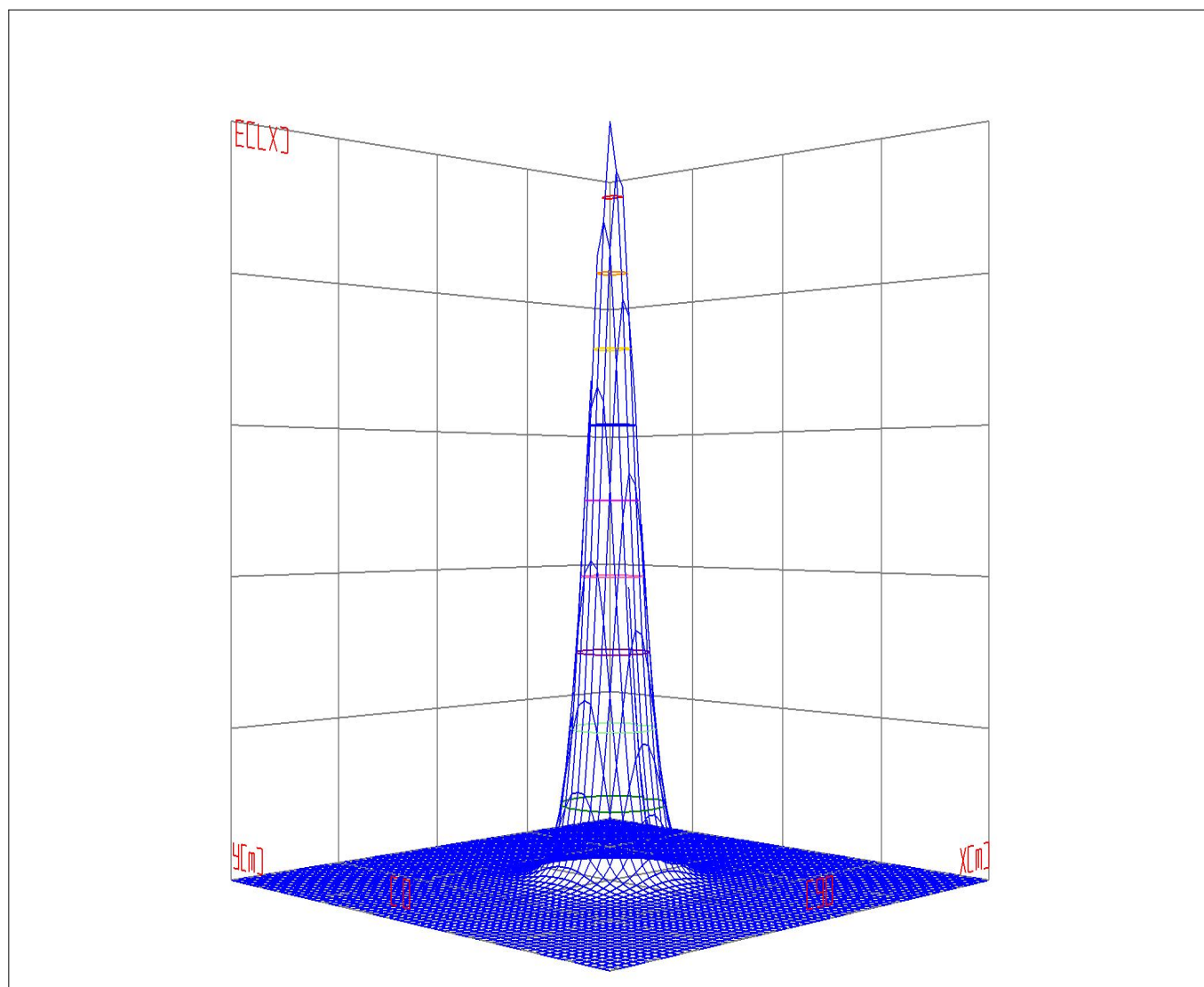
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3D Plane ISO Illuminance Diagram

Lum. Name: AD10104-20W-3000K-RA90-45D-WH-IES	Lum. Catalog:	Test ID:
Lamp Name: CLM-930-90-36-AA40-F5-3B	Lamp Catalog: COB	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2022/10/31

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

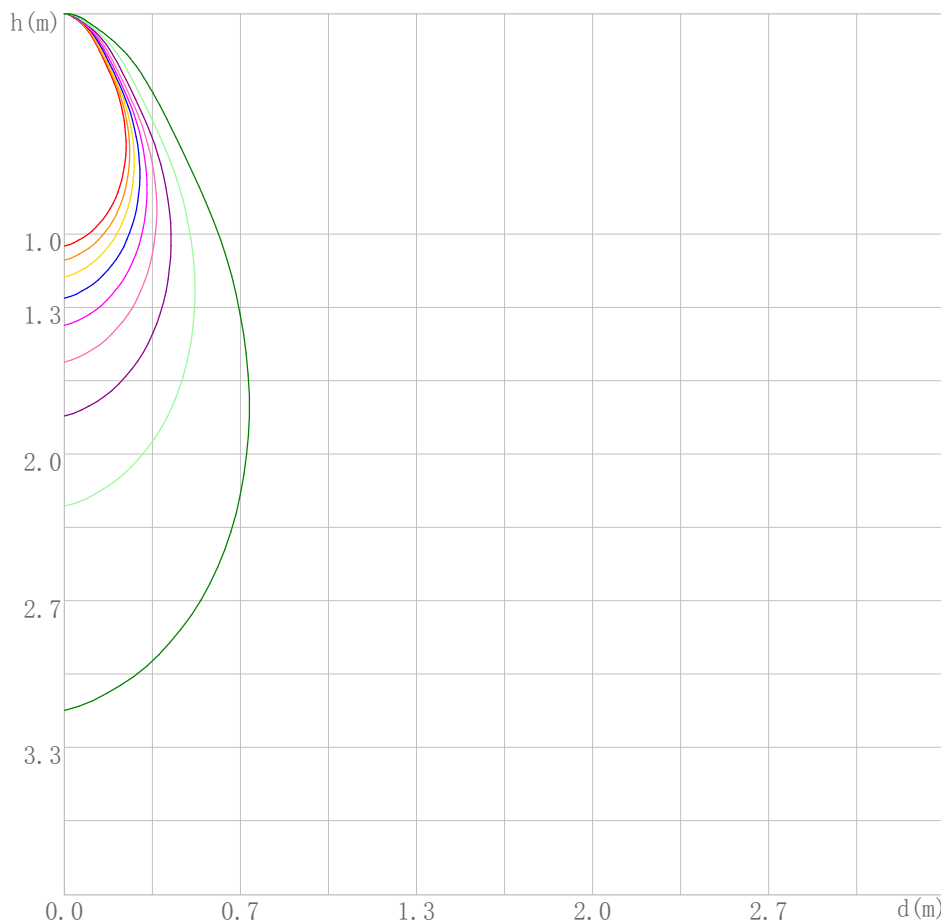
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Space ISO Illuminance Diagram

Lum. Name: AD10104-20W-3000K-RA90-45D-WH-IES	Lum. Catalog:	Test ID:
Lamp Name: CLM-930-90-36-AA40-F5-3B	Lamp Catalog: COB	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2022/10/31

Space ISO Illuminance Curve



- Curves:
[Unit: lx]
[EMax] =2082.583
- [EMax*90%]=1874.325
 - [EMax*80%]=1666.066
 - [EMax*70%]=1457.808
 - [EMax*60%]=1249.550
 - [EMax*50%]=1041.292
 - [EMax*40%]=833.033
 - [EMax*30%]=624.775
 - [EMax*20%]=416.517
 - [EMax*10%]=208.258

Space Plane Maximum Illuminance and @Angle:2082.58lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:2082.583cd,0deg

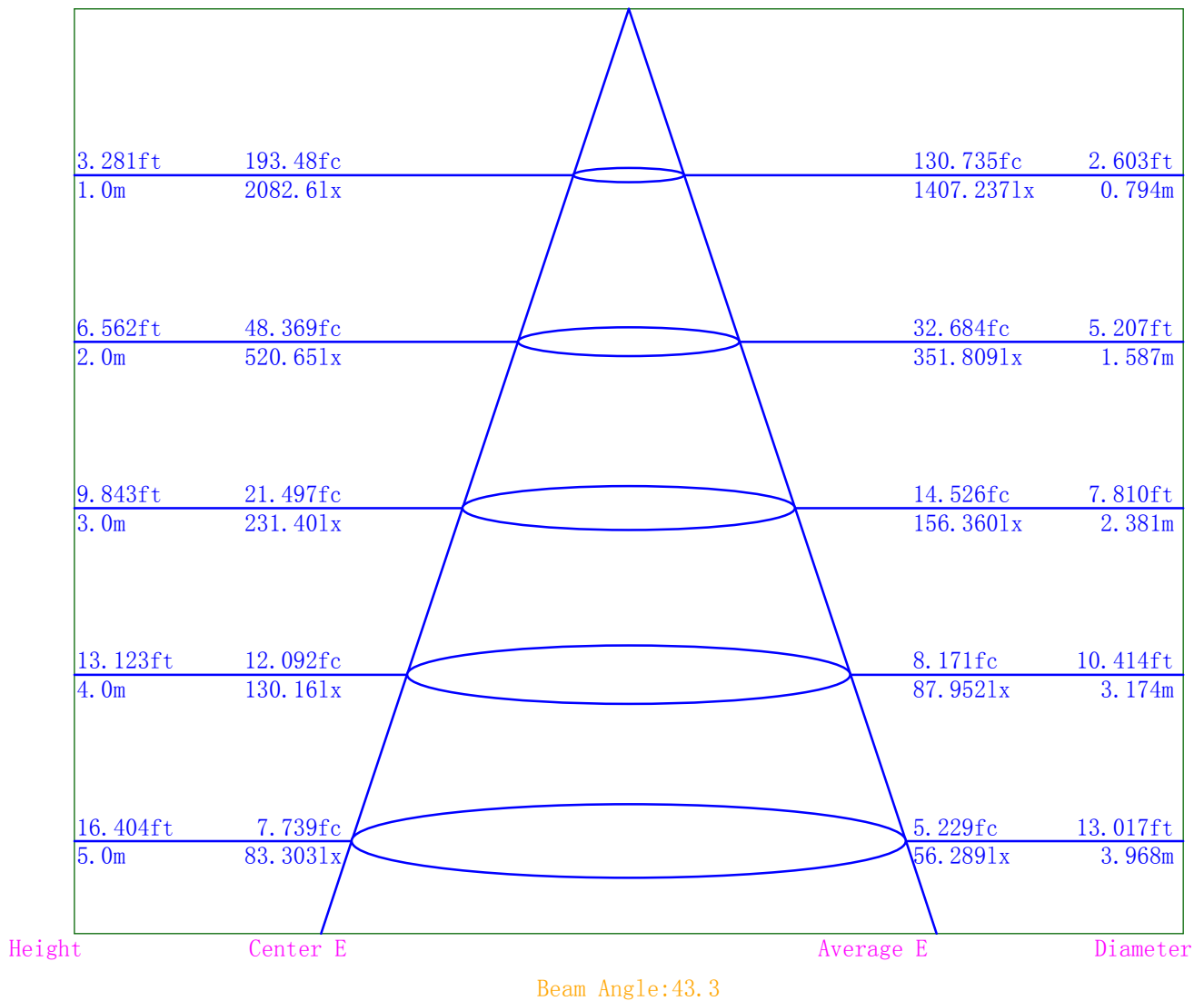
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Illuminance-Distance Diagram

Lum. Name: AD10104-20W-3000K-RA90-45D-WH-IES	Lum. Catalog:	Test ID:
Lamp Name: CLM-930-90-36-AA40-F5-3B	Lamp Catalog: COB	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2022/10/31

Illuminance-Distance Curve



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Photometric Filename:AD10104-20W-3000K-RA90-45D-WH-IES.IES

Indoor Luminance Limiting Curves

Lum. Name: AD10104-20W-3000K-RA90-45D-WH-IES	Lum. Catalog:	Test ID:
Lamp Name: CLM-930-90-36-AA40-F5-3B	Lamp Catalog: COB	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2022/10/31

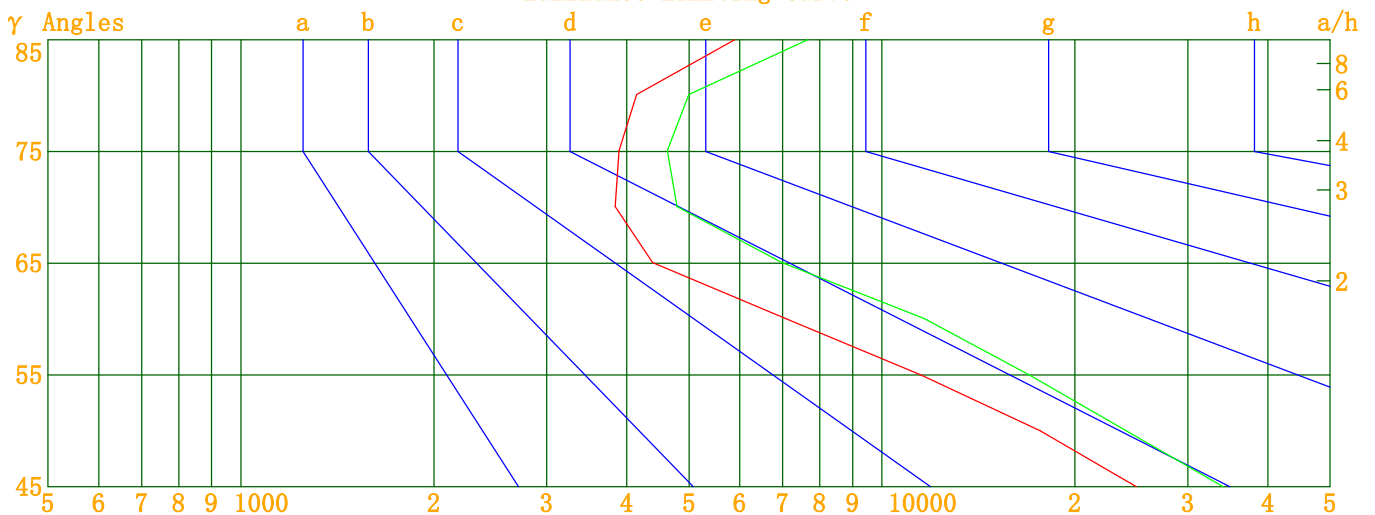
Glare Grade Table

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	24933	17648	11479	7080	4387	3834	3889	4144	5889
C90	34056	24032	16942	11654	6985	4789	4627	4997	7656

Luminance Limiting Curve



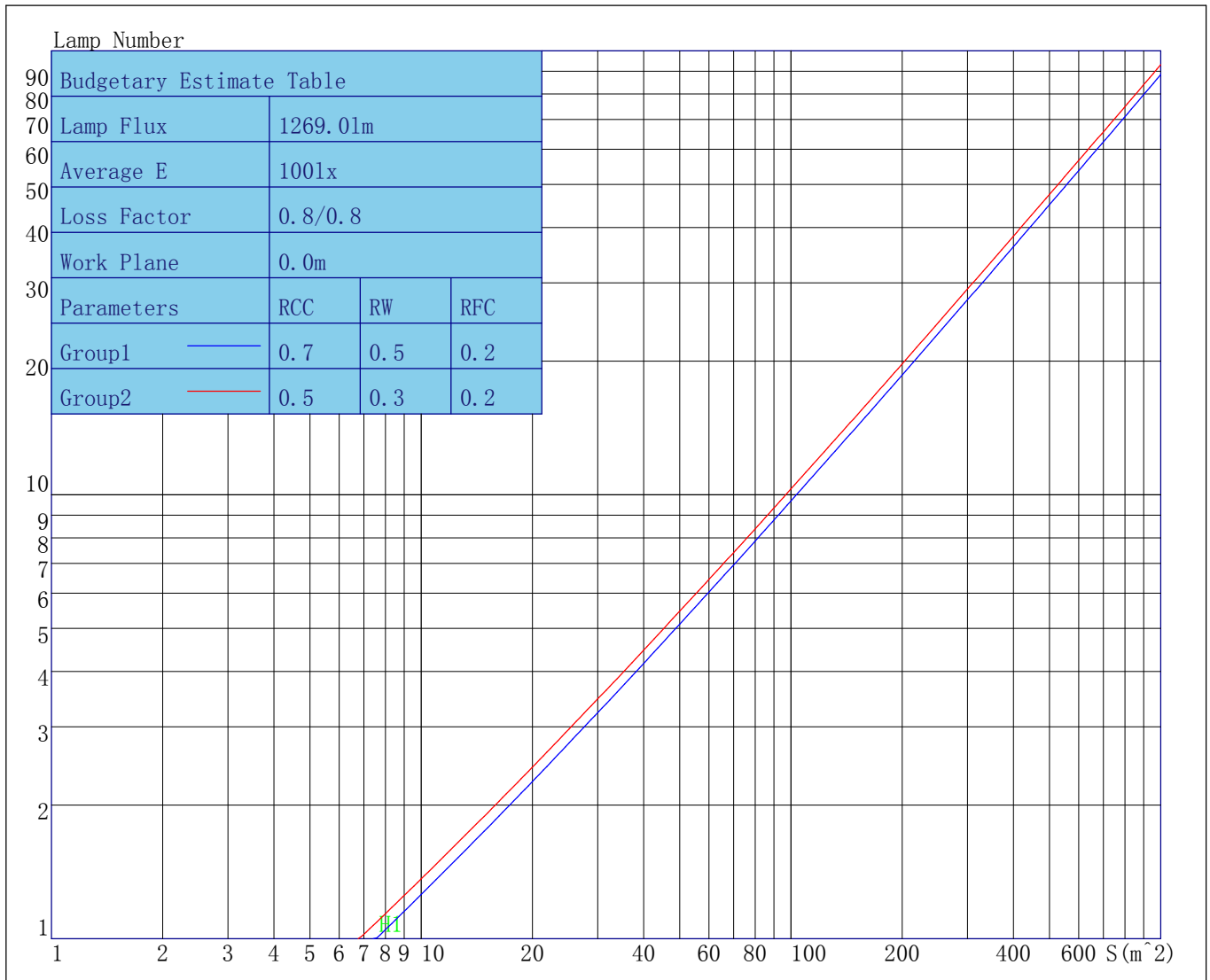
Luminous Size: Length(m)=-0.065 Width(m)=-0.064 Height(m)=0.000 Area(m^2)=0.003267
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

IES Indoor Report

Photometric Filename: AD10104-20W-3000K-RA90-45D-WH-IES.IES

Indoor Budgetary Estimate Table

Lum. Name: AD10104-20W-3000K-RA90-45D-WH-IES	Lum. Catalog:	Test ID:
Lamp Name: CLM-930-90-36-AA40-F5-3B	Lamp Catalog: COB	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2022/10/31



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

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IES Indoor Report

Photometric Filename:AD10104-20W-3000K-RA90-45D-WH-IES.IES

Indoor Coefficient of Utilization Table

Lum. Name: AD10104-20W-3000K-RA90-45D-WH-IES	Lum. Catalog:	Test ID:
Lamp Name: CLM-930-90-36-AA40-F5-3B	Lamp Catalog: COB	Test Lab: Test
Manufacture:	Test Machine:GON-2000	Test Date: 2022/10/31

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	112	112	112	112	109	109	109	109	104	104	104	100	100	100	96	96	96	94
1	107	104	102	100	105	102	100	99	99	97	95	95	94	93	92	91	90	88
2	102	98	94	91	100	96	93	90	93	90	88	90	88	86	87	86	84	83
3	97	91	87	83	95	90	86	83	88	84	81	85	82	80	83	81	79	77
4	93	86	81	77	91	85	80	77	83	79	76	81	78	75	79	76	74	73
5	88	81	76	72	87	80	75	72	78	74	71	77	73	70	75	72	70	68
6	84	76	71	67	83	76	71	67	74	70	67	73	69	66	72	68	66	64
7	80	72	67	63	79	72	67	63	70	66	63	69	65	62	68	65	62	61
8	77	69	63	60	76	68	63	60	67	62	59	66	62	59	65	62	59	58
9	74	65	60	56	73	65	60	56	64	59	56	63	59	56	62	59	56	55
10	71	62	57	54	70	62	57	53	61	56	53	60	56	53	60	56	53	52

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IES Indoor Report

Photometric Filename:AD10104-20W-3000K-RA90-45D-WH-IES.IES

Unified Glare Rating Table

Lum. Name: AD10104-20W-3000K-RA90-45D-WH-IES	Lum. Catalog:	Test ID:
Lamp Name: CLM-930-90-36-AA40-F5-3B	Lamp Catalog: COB	Test Lab: Test
Manufacture:	Test Machine:GON-2000	Test Date: 2022/10/31

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	Vewed crosswise					Vewed endwise				
X=2H Y=2H	18.0	18.8	18.4	19.1	19.4	20.6	21.4	21.0	21.7	22.0
Y=3H	17.9	18.6	18.3	18.9	19.3	20.5	21.1	20.9	21.5	21.8
Y=4H	17.9	18.5	18.3	18.8	19.2	20.4	21.0	20.8	21.4	21.7
Y=6H	17.9	18.4	18.3	18.7	19.1	20.4	20.9	20.8	21.2	21.6
Y=8H	17.9	18.3	18.3	18.7	19.1	20.3	20.8	20.8	21.2	21.6
Y=12H	17.8	18.3	18.3	18.6	19.1	20.3	20.7	20.8	21.1	21.5
X=4H Y=2H	17.9	18.4	18.3	18.8	19.2	20.4	21.0	20.8	21.3	21.7
Y=3H	17.8	18.2	18.2	18.6	19.0	20.3	20.7	20.7	21.1	21.5
Y=4H	17.8	18.1	18.2	18.5	19.0	20.3	20.6	20.7	21.0	21.5
Y=6H	17.8	18.0	18.3	18.5	19.0	20.2	20.5	20.7	20.9	21.4
Y=8H	17.8	18.0	18.3	18.5	18.9	20.2	20.4	20.7	20.9	21.3
Y=12H	17.8	17.9	18.3	18.4	18.9	20.2	20.3	20.7	20.8	21.3
X=8H Y=4H	17.7	17.8	18.1	18.3	18.8	20.1	20.3	20.6	20.8	21.2
Y=6H	17.7	17.8	18.2	18.3	18.8	20.1	20.2	20.6	20.7	21.2
Y=8H	17.8	17.8	18.3	18.3	18.8	20.1	20.2	20.7	20.7	21.2
Y=12H	17.8	17.8	18.4	18.3	18.9	20.2	20.2	20.7	20.7	21.3
X=12H Y=4H	17.6	17.7	18.1	18.2	18.7	20.0	20.2	20.5	20.7	21.2
Y=6H	17.7	17.7	18.2	18.2	18.7	20.0	20.1	20.6	20.6	21.1
Y=8H	17.7	17.7	18.3	18.2	18.9	20.1	20.1	20.6	20.6	21.2
Variations with the objerver position at spacings										
S=1.0H	0.2/-0.3					0.3/-0.3				
S=1.5H	0.5/-0.4					0.4/-0.5				
S=2.0H	0.8/-0.8					1.5/-0.7				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	0.4					0.3				

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

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IES Indoor Report

Photometric Filename:AD10104-20W-3000K-RA90-45D-WH-IES.IES

Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
γ 0.0	2082.58	2082.58	2082.58	2082.58
γ 1.0	2059.09	2080.55	2101.68	2080.42
γ 2.0	2027.92	2073.79	2118.75	2072.32
γ 3.0	1989.73	2061.66	2128.19	2058.68
γ 4.0	1948.91	2043.28	2128.40	2038.20
γ 5.0	1906.35	2018.81	2123.78	2012.20
γ 6.0	1858.27	1990.10	2116.03	1980.59
γ 7.0	1802.79	1958.63	2102.95	1945.86
γ 8.0	1744.54	1925.17	2080.19	1906.39
γ 9.0	1685.13	1887.23	2052.98	1861.23
γ 10.0	1625.43	1843.93	2022.76	1809.42
γ 11.0	1560.03	1795.36	1987.36	1752.08
γ 12.0	1491.97	1742.08	1943.74	1690.43
γ 13.0	1420.21	1684.31	1894.77	1626.13
γ 14.0	1349.86	1623.26	1840.76	1557.88
γ 15.0	1277.58	1558.40	1785.32	1486.80
γ 16.0	1204.80	1490.11	1724.68	1413.17
γ 17.0	1130.84	1417.02	1660.65	1337.52
γ 18.0	1057.95	1340.86	1593.20	1261.39
γ 19.0	986.89	1265.98	1524.26	1185.63
γ 20.0	918.05	1190.56	1453.10	1111.53
γ 21.0	850.01	1116.25	1381.00	1038.62
γ 22.0	783.23	1043.99	1308.55	966.88
γ 23.0	717.27	972.82	1235.28	895.46
γ 24.0	652.58	901.50	1162.33	825.93
γ 25.0	591.48	832.42	1090.38	759.59
γ 26.0	533.92	766.09	1019.50	695.79
γ 27.0	479.99	701.71	949.97	634.66
γ 28.0	429.01	638.51	880.99	575.53
γ 29.0	381.22	577.48	814.06	519.80
γ 30.0	336.49	518.52	749.06	467.42
γ 31.0	292.36	464.29	686.22	419.38
γ 32.0	252.03	414.12	624.49	375.43
γ 33.0	217.43	367.69	565.54	335.42
γ 34.0	188.84	321.75	508.62	297.99
γ 35.0	164.95	277.89	454.98	261.46
γ 36.0	145.15	238.83	404.96	226.04
γ 37.0	128.24	206.05	359.94	195.91
γ 38.0	114.33	179.15	316.73	170.14
γ 39.0	102.24	156.76	272.37	149.01
γ 40.0	91.98	137.63	233.79	130.49
γ 41.0	83.35	121.59	199.29	114.27
γ 42.0	75.58	108.25	171.86	100.86
γ 43.0	68.89	97.11	148.96	89.55
γ 44.0	62.92	87.26	129.87	79.90
γ 45.0	57.60	78.68	113.98	71.51
γ 46.0	52.81	71.37	100.39	64.27

IES Indoor Report

Photometric Filename:AD10104-20W-3000K-RA90-45D-WH-IES.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	48.45	65.25	89.25	57.81
γ 48.0	44.34	59.94	79.30	51.99
γ 49.0	40.51	54.80	70.85	46.63
γ 50.0	37.06	50.47	63.53	41.61
γ 51.0	33.74	46.00	57.14	37.43
γ 52.0	30.62	42.39	51.25	33.45
γ 53.0	27.33	38.63	46.29	29.75
γ 54.0	24.08	35.05	41.62	25.92
γ 55.0	21.51	31.75	37.28	22.94
γ 56.0	19.47	29.25	33.41	19.44
γ 57.0	17.12	26.50	29.38	16.08
γ 58.0	14.91	23.72	26.26	13.30
γ 59.0	13.29	20.97	23.13	10.51
γ 60.0	11.57	19.04	20.26	7.97
γ 61.0	9.87	16.84	17.02	5.68
γ 62.0	8.68	14.81	14.78	3.57
γ 63.0	7.60	12.76	12.14	2.02
γ 64.0	6.57	11.12	9.77	0.76
γ 65.0	6.06	9.65	7.72	0.09
γ 66.0	5.64	8.17	5.68	0.00
γ 67.0	5.32	7.19	3.73	0.00
γ 68.0	4.70	6.29	2.29	0.00
γ 69.0	4.68	6.00	1.17	0.00
γ 70.0	4.28	5.35	0.14	0.00
γ 71.0	4.35	5.03	0.00	0.00
γ 72.0	3.85	4.79	0.00	0.00
γ 73.0	3.83	4.31	0.00	0.00
γ 74.0	3.55	4.19	0.00	0.00
γ 75.0	3.29	3.91	0.00	0.00
γ 76.0	2.88	3.84	0.00	0.00
γ 77.0	3.03	3.46	0.00	0.00
γ 78.0	2.89	3.29	0.00	0.00
γ 79.0	2.47	3.22	0.00	0.00
γ 80.0	2.35	2.84	0.00	0.00
γ 81.0	2.41	2.77	0.00	0.00
γ 82.0	2.36	2.42	0.00	0.00
γ 83.0	1.84	2.48	0.00	0.00
γ 84.0	1.84	2.13	0.00	0.00
γ 85.0	1.68	2.18	0.00	0.00
γ 86.0	1.56	1.77	0.00	0.00
γ 87.0	1.44	1.96	0.00	0.00
γ 88.0	1.24	1.87	0.00	0.00
γ 89.0	1.26	1.39	0.00	0.00
γ 90.0	1.03	0.90	0.00	0.00
γ 91.0	0.91	0.90	0.00	0.00
γ 92.0	0.93	0.61	0.00	0.00
γ 93.0	0.42	0.49	0.00	0.00

IES Indoor Report

Photometric Filename:AD10104-20W-3000K-RA90-45D-WH-IES.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	0.58	0.70	0.00	0.00
γ 95.0	0.45	0.47	0.00	0.00
γ 96.0	0.39	0.26	0.00	0.00
γ 97.0	0.34	0.18	0.00	0.00
γ 98.0	0.26	0.13	0.00	0.00
γ 99.0	0.15	0.00	0.00	0.00
γ 100.0	0.06	0.00	0.00	0.00
γ 101.0	0.08	0.09	0.00	0.00
γ 102.0	0.00	0.00	0.00	0.00
γ 103.0	0.00	0.00	0.00	0.00
γ 104.0	0.00	0.00	0.00	0.00
γ 105.0	0.00	0.00	0.00	0.00
γ 106.0	0.00	0.00	0.00	0.00
γ 107.0	0.00	0.00	0.00	0.00
γ 108.0	0.00	0.00	0.00	0.00
γ 109.0	0.00	0.00	0.00	0.00
γ 110.0	0.00	0.00	0.00	0.00
γ 111.0	0.00	0.00	0.00	0.00
γ 112.0	0.00	0.00	0.00	0.00
γ 113.0	0.00	0.00	0.00	0.00
γ 114.0	0.00	0.00	0.00	0.00
γ 115.0	0.00	0.00	0.00	0.00
γ 116.0	0.00	0.00	0.00	0.00
γ 117.0	0.00	0.00	0.00	0.00
γ 118.0	0.00	0.00	0.00	0.00
γ 119.0	0.00	0.00	0.00	0.00
γ 120.0	0.00	0.00	0.00	0.00
γ 121.0	0.00	0.00	0.00	0.00
γ 122.0	0.00	0.00	0.00	0.00
γ 123.0	0.00	0.00	0.00	0.00
γ 124.0	0.00	0.00	0.00	0.00
γ 125.0	0.00	0.00	0.00	0.00
γ 126.0	0.00	0.00	0.00	0.00
γ 127.0	0.00	0.00	0.00	0.00
γ 128.0	0.00	0.00	0.00	0.00
γ 129.0	0.00	0.00	0.00	0.00
γ 130.0	0.00	0.00	0.00	0.00
γ 131.0	0.00	0.00	0.00	0.00
γ 132.0	0.00	0.00	0.00	0.00
γ 133.0	0.00	0.00	0.00	0.00
γ 134.0	0.00	0.00	0.00	0.00
γ 135.0	0.00	0.00	0.00	0.00
γ 136.0	0.00	0.00	0.00	0.00
γ 137.0	0.00	0.00	0.00	0.00
γ 138.0	0.00	0.00	0.00	0.00
γ 139.0	0.00	0.00	0.00	0.00
γ 140.0	0.00	0.00	0.00	0.00

IES Indoor Report

Photometric Filename:AD10104-20W-3000K-RA90-45D-WH-IES.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	0.00	0.00	0.00	0.00
γ 142.0	0.04	0.00	0.00	0.00
γ 143.0	0.00	0.00	0.00	0.00
γ 144.0	0.36	0.00	0.00	0.00
γ 145.0	0.28	0.00	0.00	0.01
γ 146.0	0.63	0.07	0.00	0.06
γ 147.0	0.42	0.16	0.00	0.00
γ 148.0	0.80	0.31	0.00	0.14
γ 149.0	0.90	0.24	0.00	0.47
γ 150.0	0.99	0.36	0.00	0.28
γ 151.0	0.90	0.44	0.00	0.48
γ 152.0	1.17	0.50	0.00	0.49
γ 153.0	1.17	0.84	0.07	0.72
γ 154.0	1.02	0.46	0.12	0.90
γ 155.0	1.15	0.74	0.56	1.05
γ 156.0	1.35	0.64	0.31	0.94
γ 157.0	1.46	1.00	0.54	1.06
γ 158.0	1.41	1.27	0.33	1.27
γ 159.0	1.50	1.25	0.67	1.07
γ 160.0	1.71	1.08	0.80	1.18
γ 161.0	1.32	1.11	0.64	1.34
γ 162.0	1.46	1.47	0.89	1.13
γ 163.0	1.54	1.40	0.80	1.20
γ 164.0	1.70	1.54	0.81	1.78
γ 165.0	1.65	1.54	1.28	1.50
γ 166.0	1.88	1.68	1.48	1.46
γ 167.0	1.97	1.59	1.13	1.48
γ 168.0	2.17	1.69	1.42	1.73
γ 169.0	1.92	1.84	1.35	1.63
γ 170.0	1.97	1.70	1.67	1.87
γ 171.0	1.74	1.78	1.64	1.92
γ 172.0	1.94	2.00	1.48	1.93
γ 173.0	1.97	1.72	1.56	2.21
γ 174.0	1.82	1.72	1.57	2.02
γ 175.0	2.00	1.78	1.57	2.16
γ 176.0	1.96	2.11	1.70	1.93
γ 177.0	1.94	1.76	2.06	2.15
γ 178.0	1.86	1.93	1.54	2.02
γ 179.0	2.00	2.12	1.88	1.92
γ 180.0	2.01	2.01	2.01	2.01