

IES Indoor Report

Photometric Filename:MD05-06-2700K RA90 15D.IES

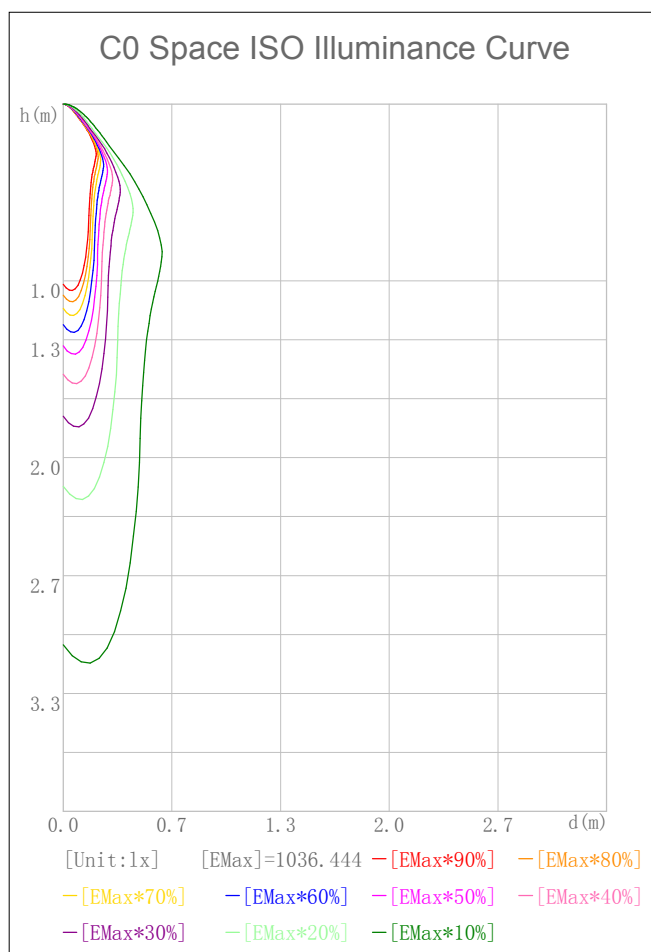
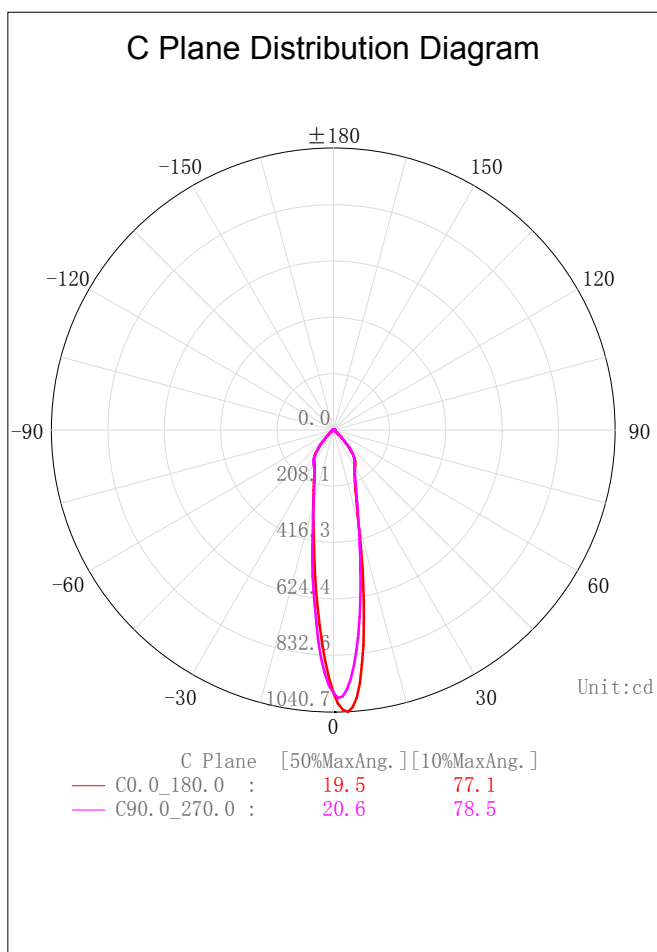
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD05-06-2700K RA90 15D		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2018/01/09
Manufacture: SHENZHEN NORMING LIGHTING CO.,LTD		Shld. Ang(°):	Test Machine:GON-2000
Test Lab: Quality Department		Frequency(Hz):	Lamp CCT(K): Ra:
Lum. Size(W*L*H):0.050m*0.000m*0.000m		Lum. Area(m2):0.002	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): 333.000	Luminary Flux(lm): 369.802	Field Angle(10%Imax): 77.1(°)	
Rated Power(W):	Luminary Efficiency: 111.05%	Down Lumens&Percent: 369.397lm 99.89%	
Rated Voltage(V):	Luminary EER(lm/W): 64.392	Up Lumens&Percent: 0.405lm 0.11%	
Tested Power(W): 5.743	Max. Candela(cd): 1040.717	S/MH: C0_a180=0.353 C90_270=0.354	
Lamps' Inside: 1	Max Cand@Ang.(°): C=0.0 γ=3.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):240.2, 0.028, 0.837		Beam Angle(50%Imax): 19.5(°)	ErP Φ use(90°): 344.583lm
Lamp Size(W*L*H):0.050m*0.000m*0.000m	Left=-7.5°, Right=12.0°		IRF(%): 565.975



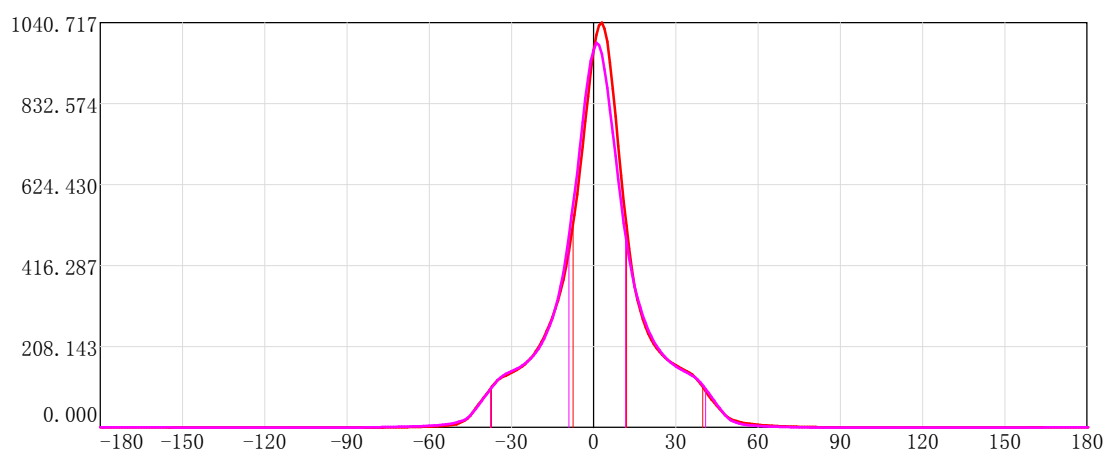
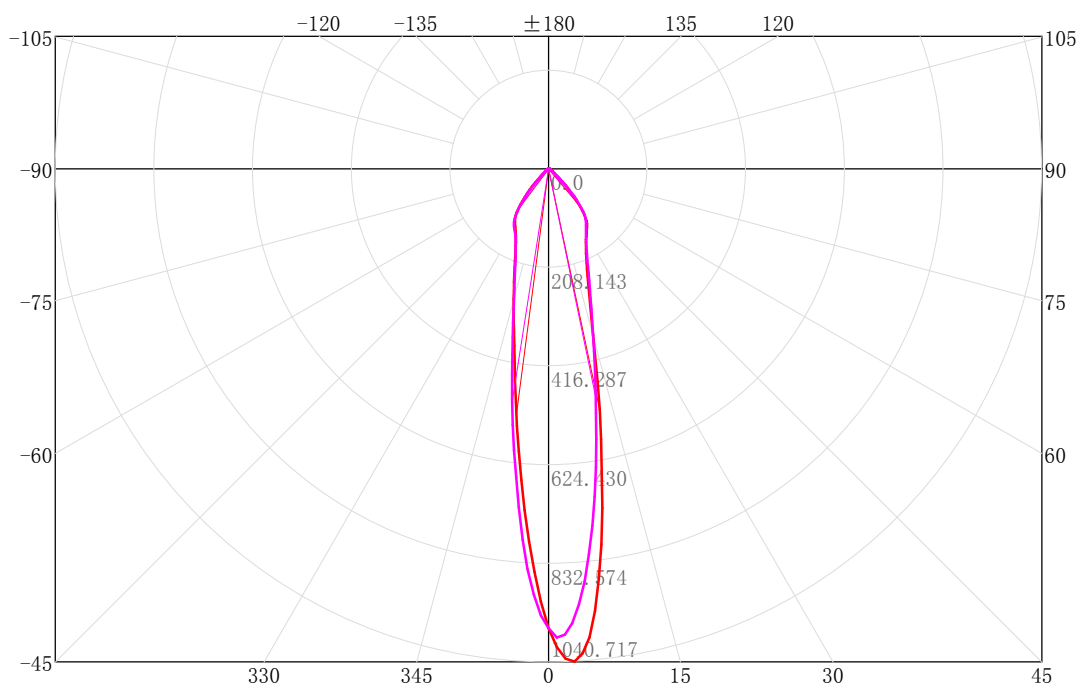
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2D Plane Light Intensity Distribution Curve

Lum. Name: MD05-06-2700K RA90 15D	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab: Quality Department
Manufacture: SHENZHEN NORMING LIGHTING CO.,LTD	Test Machine:GON-2000	Test Date: 2018/01/09

C Plane Distribution Diagram



	C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
—	C0.0_180.0 :	19.5	77.1	
—	C90.0_270.0 :	20.6	78.5	

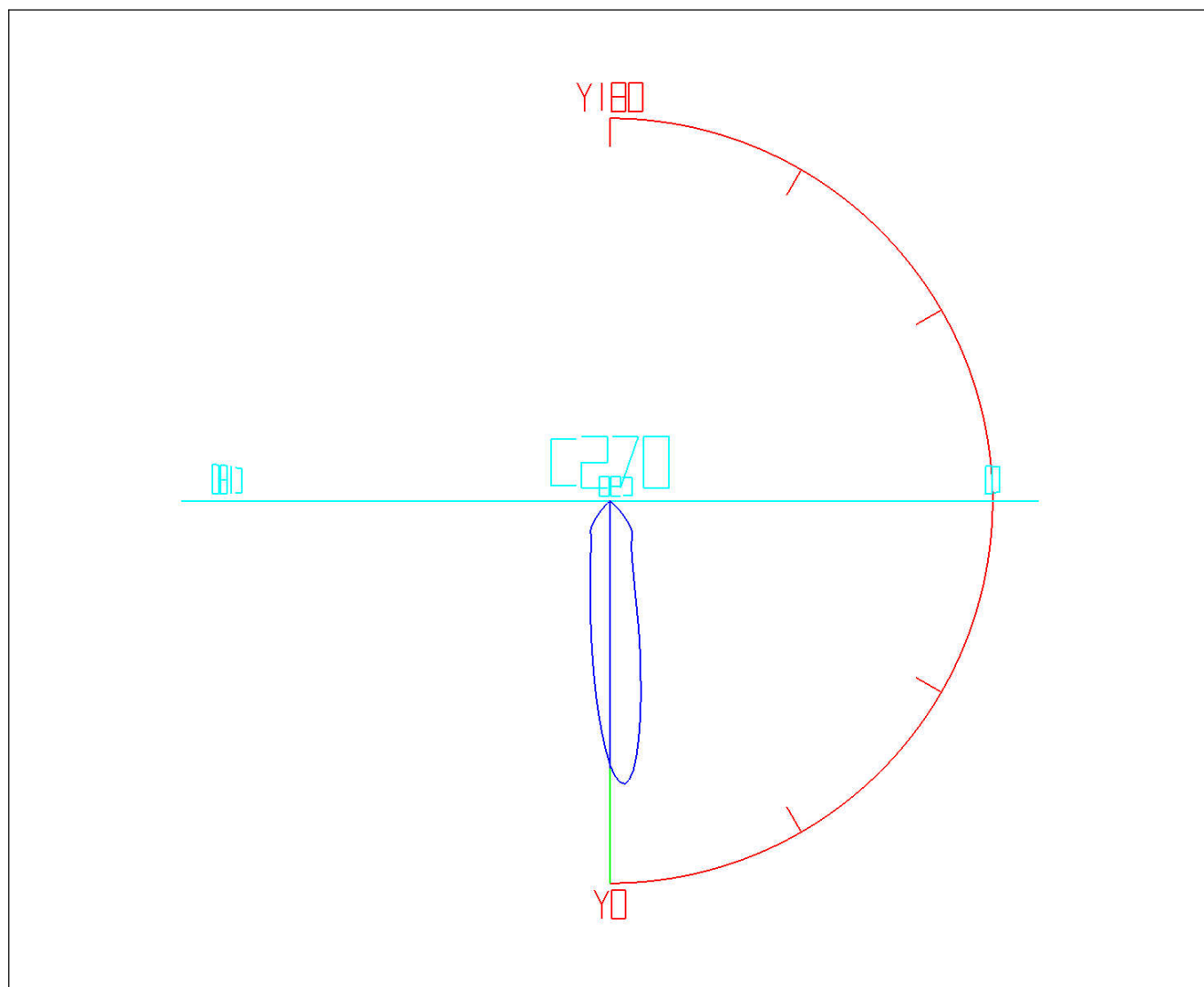
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3D Light Intensity Distribution Modal

Lum. Name: MD05-06-2700K RA90 15D	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab: Quality Department
Manufacture: SHENZHEN NORMING LIGHTING CO.,LTD	Test Machine:GON-2000	Test Date: 2018/01/09

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	0.92	0.92	0.28	0.28	47.0-48.0	2.17	353.72	0.65	106.22
1.0-2.0	2.73	3.66	0.82	1.10	48.0-49.0	1.79	355.51	0.54	106.76
2.0-3.0	4.42	8.08	1.33	2.43	49.0-50.0	1.47	356.98	0.44	107.20
3.0-4.0	5.93	14.01	1.78	4.21	50.0-51.0	1.23	358.21	0.37	107.57
4.0-5.0	7.20	21.21	2.16	6.37	51.0-52.0	1.07	359.29	0.32	107.89
5.0-6.0	8.21	29.42	2.47	8.83	52.0-53.0	0.95	360.24	0.29	108.18
6.0-7.0	8.97	38.39	2.69	11.53	53.0-54.0	0.84	361.08	0.25	108.43
7.0-8.0	9.50	47.89	2.85	14.38	54.0-55.0	0.75	361.83	0.22	108.66
8.0-9.0	9.82	57.71	2.95	17.33	55.0-56.0	0.68	362.50	0.20	108.86
9.0-10.0	9.93	67.64	2.98	20.31	56.0-57.0	0.61	363.12	0.18	109.04
10.0-11.0	9.91	77.55	2.98	23.29	57.0-58.0	0.56	363.68	0.17	109.21
11.0-12.0	9.83	87.38	2.95	26.24	58.0-59.0	0.51	364.19	0.15	109.37
12.0-13.0	9.69	97.06	2.91	29.15	59.0-60.0	0.47	364.66	0.14	109.51
13.0-14.0	9.49	106.55	2.85	32.00	60.0-61.0	0.43	365.09	0.13	109.64
14.0-15.0	9.28	115.83	2.79	34.78	61.0-62.0	0.40	365.48	0.12	109.75
15.0-16.0	9.09	124.92	2.73	37.51	62.0-63.0	0.36	365.85	0.11	109.86
16.0-17.0	8.93	133.85	2.68	40.20	63.0-64.0	0.34	366.18	0.10	109.97
17.0-18.0	8.78	142.64	2.64	42.83	64.0-65.0	0.31	366.50	0.09	110.06
18.0-19.0	8.65	151.28	2.60	45.43	65.0-66.0	0.29	366.78	0.09	110.14
19.0-20.0	8.52	159.80	2.56	47.99	66.0-67.0	0.26	367.05	0.08	110.22
20.0-21.0	8.41	168.22	2.53	50.52	67.0-68.0	0.24	367.29	0.07	110.30
21.0-22.0	8.33	176.55	2.50	53.02	68.0-69.0	0.23	367.52	0.07	110.37
22.0-23.0	8.26	184.81	2.48	55.50	69.0-70.0	0.21	367.73	0.06	110.43
23.0-24.0	8.21	193.03	2.47	57.97	70.0-71.0	0.19	367.92	0.06	110.49
24.0-25.0	8.18	201.20	2.46	60.42	71.0-72.0	0.18	368.10	0.05	110.54
25.0-26.0	8.17	209.37	2.45	62.87	72.0-73.0	0.17	368.27	0.05	110.59
26.0-27.0	8.17	217.54	2.45	65.33	73.0-74.0	0.15	368.42	0.05	110.64
27.0-28.0	8.18	225.72	2.46	67.78	74.0-75.0	0.14	368.56	0.04	110.68
28.0-29.0	8.21	233.93	2.47	70.25	75.0-76.0	0.13	368.68	0.04	110.72
29.0-30.0	8.26	242.19	2.48	72.73	76.0-77.0	0.11	368.80	0.03	110.75
30.0-31.0	8.29	250.48	2.49	75.22	77.0-78.0	0.10	368.90	0.03	110.78
31.0-32.0	8.32	258.80	2.50	77.72	78.0-79.0	0.09	368.98	0.03	110.81
32.0-33.0	8.32	267.12	2.50	80.22	79.0-80.0	0.08	369.06	0.02	110.83
33.0-34.0	8.31	275.43	2.50	82.71	80.0-81.0	0.07	369.13	0.02	110.85
34.0-35.0	8.25	283.68	2.48	85.19	81.0-82.0	0.06	369.18	0.02	110.87
35.0-36.0	8.11	291.79	2.43	87.62	82.0-83.0	0.05	369.23	0.01	110.88
36.0-37.0	7.88	299.67	2.37	89.99	83.0-84.0	0.04	369.27	0.01	110.89
37.0-38.0	7.56	307.23	2.27	92.26	84.0-85.0	0.03	369.30	0.01	110.90
38.0-39.0	7.15	314.37	2.15	94.41	85.0-86.0	0.03	369.33	0.01	110.91
39.0-40.0	6.66	321.04	2.00	96.41	86.0-87.0	0.02	369.35	0.01	110.92
40.0-41.0	6.13	327.17	1.84	98.25	87.0-88.0	0.02	369.37	0.01	110.92
41.0-42.0	5.56	332.72	1.67	99.92	88.0-89.0	0.01	369.39	0.00	110.93
42.0-43.0	4.96	337.69	1.49	101.41	89.0-90.0	0.01	369.40	0.00	110.93
43.0-44.0	4.36	342.04	1.31	102.72	90.0-91.0	0.00	369.40	0.00	110.93
44.0-45.0	3.74	345.78	1.12	103.84	91.0-92.0	0.00	369.40	0.00	110.93
45.0-46.0	3.15	348.93	0.95	104.78	92.0-93.0	0.00	369.40	0.00	110.93
46.0-47.0	2.62	351.55	0.79	105.57	93.0-94.0	0.00	369.40	0.00	110.93

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Zonal Flux Tabulation - (Cont.)

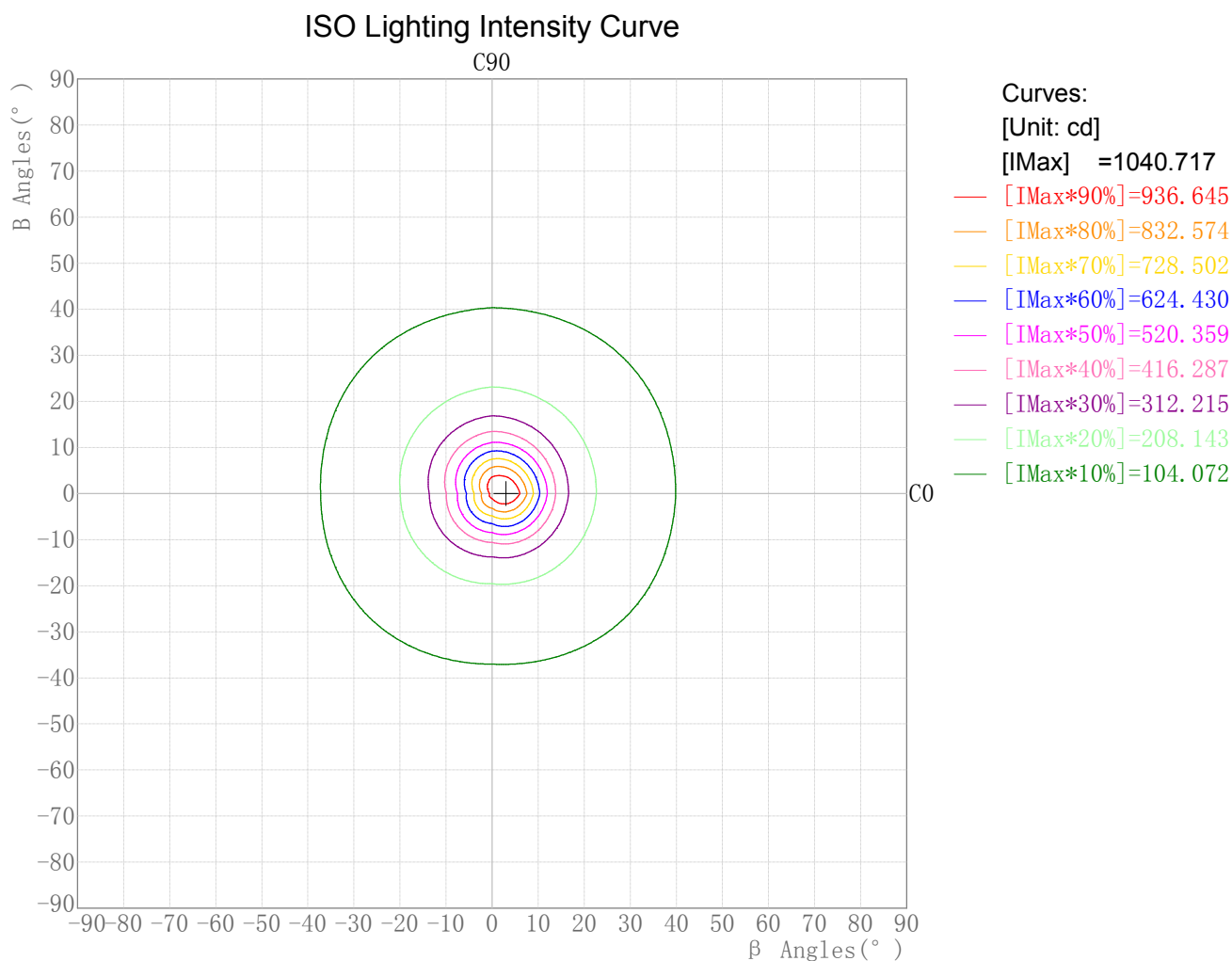
Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	0.00	369.40	0.00	110.93	141.0-142.0	0.00	369.40	0.00	110.93
95.0-96.0	0.00	369.40	0.00	110.93	142.0-143.0	0.00	369.40	0.00	110.93
96.0-97.0	0.00	369.40	0.00	110.93	143.0-144.0	0.00	369.40	0.00	110.93
97.0-98.0	0.00	369.40	0.00	110.93	144.0-145.0	0.00	369.40	0.00	110.93
98.0-99.0	0.00	369.40	0.00	110.93	145.0-146.0	0.00	369.41	0.00	110.93
99.0-100.0	0.00	369.40	0.00	110.93	146.0-147.0	0.00	369.41	0.00	110.93
100.0-101.0	0.00	369.40	0.00	110.93	147.0-148.0	0.01	369.42	0.00	110.94
101.0-102.0	0.00	369.40	0.00	110.93	148.0-149.0	0.01	369.42	0.00	110.94
102.0-103.0	0.00	369.40	0.00	110.93	149.0-150.0	0.01	369.43	0.00	110.94
103.0-104.0	0.00	369.40	0.00	110.93	150.0-151.0	0.01	369.44	0.00	110.94
104.0-105.0	0.00	369.40	0.00	110.93	151.0-152.0	0.01	369.45	0.00	110.95
105.0-106.0	0.00	369.40	0.00	110.93	152.0-153.0	0.01	369.46	0.00	110.95
106.0-107.0	0.00	369.40	0.00	110.93	153.0-154.0	0.01	369.48	0.00	110.95
107.0-108.0	0.00	369.40	0.00	110.93	154.0-155.0	0.01	369.49	0.00	110.96
108.0-109.0	0.00	369.40	0.00	110.93	155.0-156.0	0.02	369.51	0.00	110.96
109.0-110.0	0.00	369.40	0.00	110.93	156.0-157.0	0.02	369.52	0.00	110.97
110.0-111.0	0.00	369.40	0.00	110.93	157.0-158.0	0.02	369.54	0.00	110.97
111.0-112.0	0.00	369.40	0.00	110.93	158.0-159.0	0.02	369.55	0.01	110.98
112.0-113.0	0.00	369.40	0.00	110.93	159.0-160.0	0.02	369.57	0.01	110.98
113.0-114.0	0.00	369.40	0.00	110.93	160.0-161.0	0.02	369.59	0.01	110.99
114.0-115.0	0.00	369.40	0.00	110.93	161.0-162.0	0.02	369.61	0.01	110.99
115.0-116.0	0.00	369.40	0.00	110.93	162.0-163.0	0.02	369.62	0.01	111.00
116.0-117.0	0.00	369.40	0.00	110.93	163.0-164.0	0.02	369.64	0.01	111.00
117.0-118.0	0.00	369.40	0.00	110.93	164.0-165.0	0.02	369.66	0.01	111.01
118.0-119.0	0.00	369.40	0.00	110.93	165.0-166.0	0.02	369.67	0.00	111.01
119.0-120.0	0.00	369.40	0.00	110.93	166.0-167.0	0.02	369.69	0.00	111.02
120.0-121.0	0.00	369.40	0.00	110.93	167.0-168.0	0.02	369.71	0.00	111.02
121.0-122.0	0.00	369.40	0.00	110.93	168.0-169.0	0.01	369.72	0.00	111.03
122.0-123.0	0.00	369.40	0.00	110.93	169.0-170.0	0.01	369.73	0.00	111.03
123.0-124.0	0.00	369.40	0.00	110.93	170.0-171.0	0.01	369.75	0.00	111.03
124.0-125.0	0.00	369.40	0.00	110.93	171.0-172.0	0.01	369.76	0.00	111.04
125.0-126.0	0.00	369.40	0.00	110.93	172.0-173.0	0.01	369.77	0.00	111.04
126.0-127.0	0.00	369.40	0.00	110.93	173.0-174.0	0.01	369.78	0.00	111.04
127.0-128.0	0.00	369.40	0.00	110.93	174.0-175.0	0.01	369.78	0.00	111.05
128.0-129.0	0.00	369.40	0.00	110.93	175.0-176.0	0.01	369.79	0.00	111.05
129.0-130.0	0.00	369.40	0.00	110.93	176.0-177.0	0.00	369.80	0.00	111.05
130.0-131.0	0.00	369.40	0.00	110.93	177.0-178.0	0.00	369.80	0.00	111.05
131.0-132.0	0.00	369.40	0.00	110.93	178.0-179.0	0.00	369.80	0.00	111.05
132.0-133.0	0.00	369.40	0.00	110.93	179.0-180.0	0.00	369.80	0.00	111.05
133.0-134.0	0.00	369.40	0.00	110.93					
134.0-135.0	0.00	369.40	0.00	110.93					
135.0-136.0	0.00	369.40	0.00	110.93					
136.0-137.0	0.00	369.40	0.00	110.93					
137.0-138.0	0.00	369.40	0.00	110.93					
138.0-139.0	0.00	369.40	0.00	110.93					
139.0-140.0	0.00	369.40	0.00	110.93					
140.0-141.0	0.00	369.40	0.00	110.93					

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Rectangle ISO Lighting Intensity Diagram

Lum. Name: MD05-06-2700K RA90 15D	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab: Quality Department
Manufacture: SHENZHEN NORMING LIGHTING CO.,LTD	Test Machine:GON-2000	Test Date: 2018/01/09



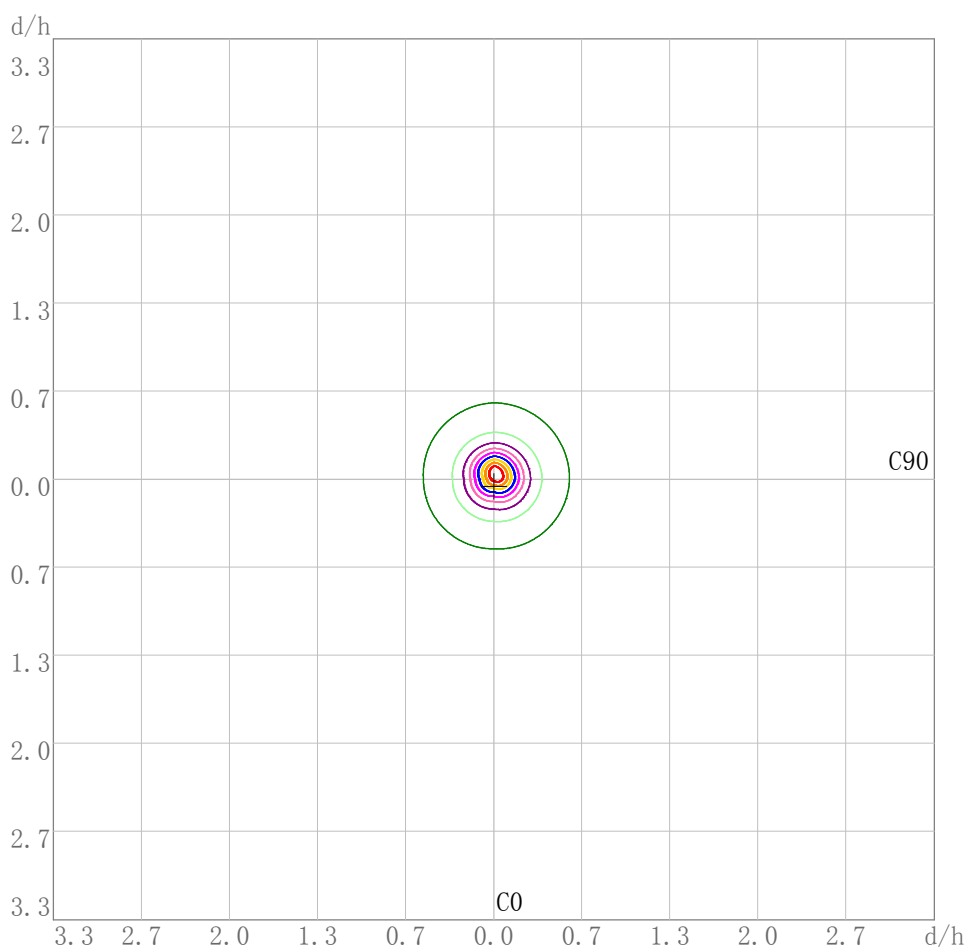
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Plane ISO-Illuminance Diagram

Lum. Name: MD05-06-2700K RA90 15D	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab: Quality Department
Manufacture: SHENZHEN NORMING LIGHTING CO.,LTD	Test Machine:GON-2000	Test Date: 2018/01/09

Plane ISO-Illuminance Curve



- Curves:
unit:lx
[EMax] =115.160
- [EMax*90%]=103.644
 - [EMax*80%]=92.128
 - [EMax*70%]=80.612
 - [EMax*60%]=69.096
 - [EMax*50%]=57.580
 - [EMax*40%]=46.064
 - [EMax*30%]=34.548
 - [EMax*20%]=23.032
 - [EMax*10%]=11.516

Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 115.16
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.1

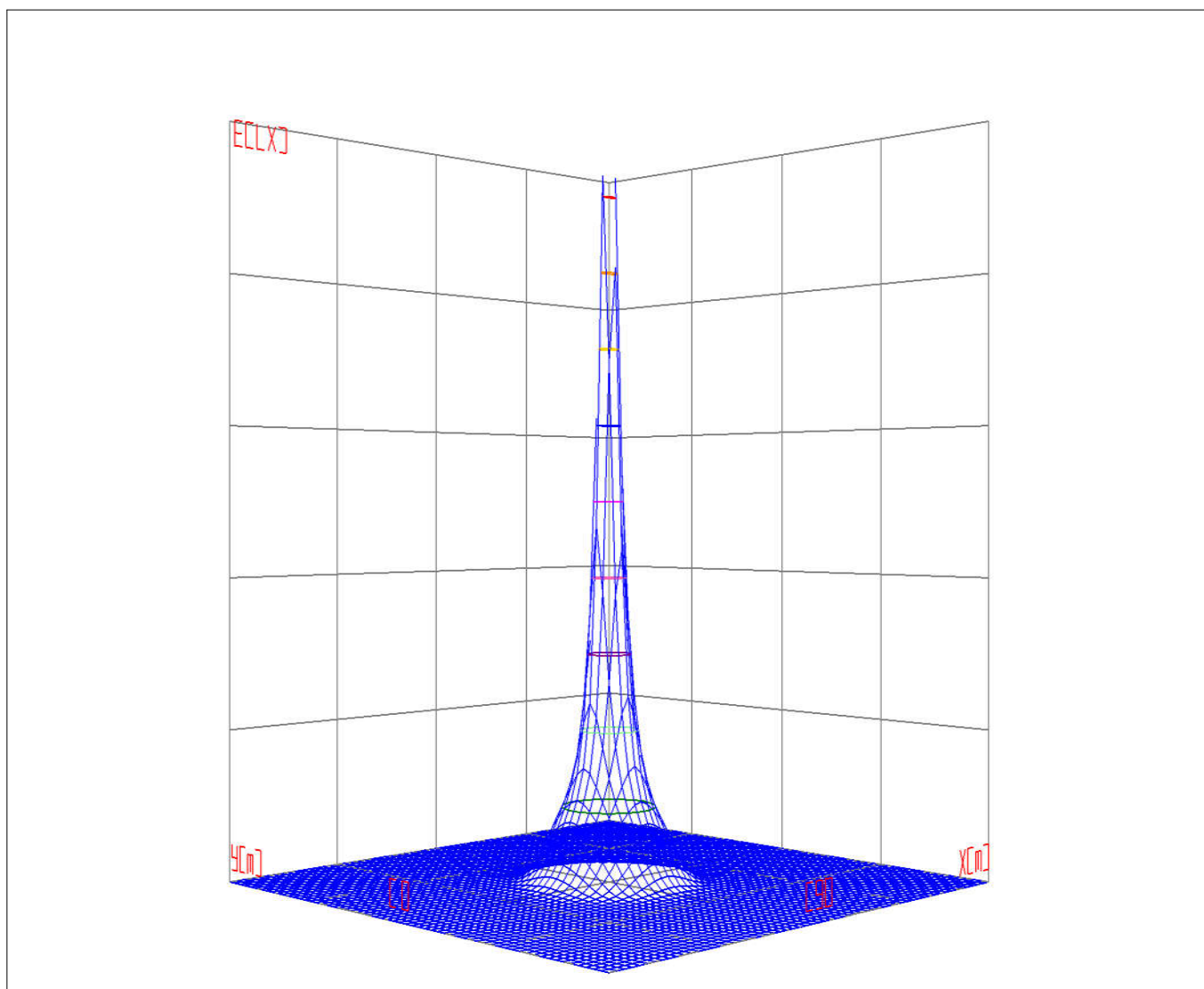
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3D Plane ISO Illuminance Diagram

Lum. Name: MD05-06-2700K RA90 15D	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab: Quality Department
Manufacture: SHENZHEN NORMING LIGHTING CO.,LTD	Test Machine:GON-2000	Test Date: 2018/01/09

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

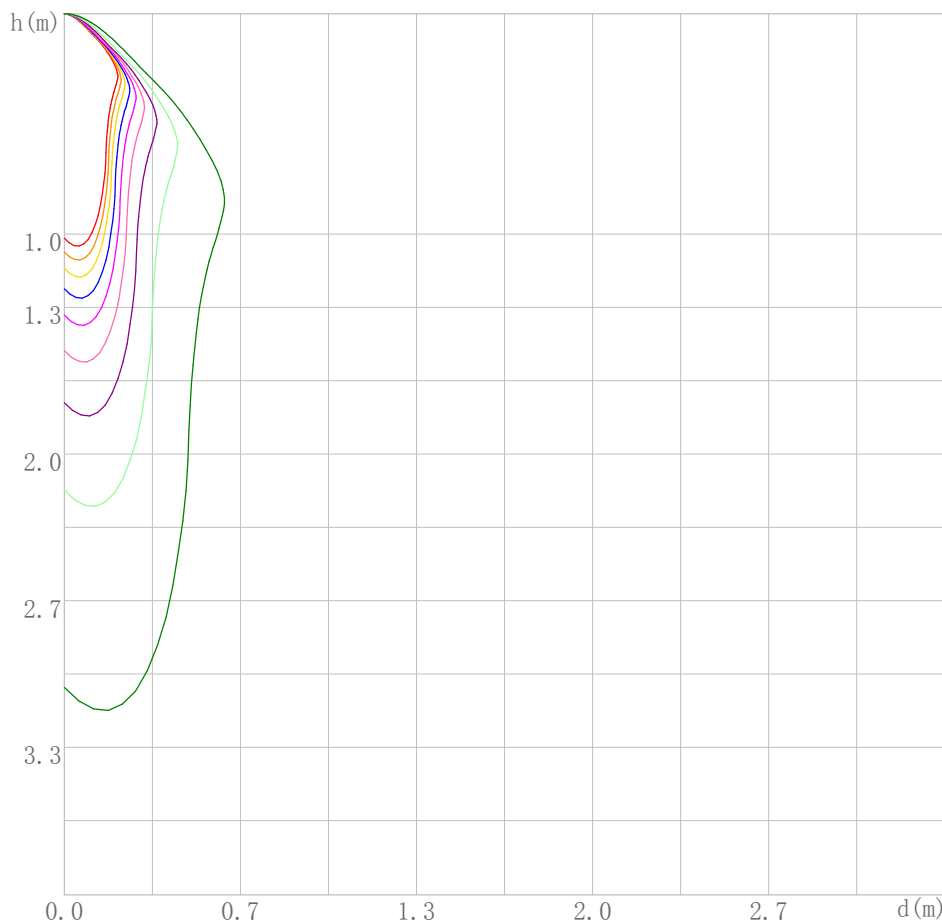
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Space ISO Illuminance Diagram

Lum. Name: MD05-06-2700K RA90 15D	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab: Quality Department
Manufacture: SHENZHEN NORMING LIGHTING CO., LTD	Test Machine: GON-2000	Test Date: 2018/01/09

Space ISO Illuminance Curve



- Curves:
[Unit: lx]
[EMax] =1036.444
- [EMax*90%]=932.800
 - [EMax*80%]=829.155
 - [EMax*70%]=725.511
 - [EMax*60%]=621.866
 - [EMax*50%]=518.222
 - [EMax*40%]=414.578
 - [EMax*30%]=310.933
 - [EMax*20%]=207.289
 - [EMax*10%]=103.644

Space Plane Maximum Illuminance and @Angle:1036.44lx,3.0deg
Plane Maximum Lighting Intensity and @Angle:1040.717cd,0deg

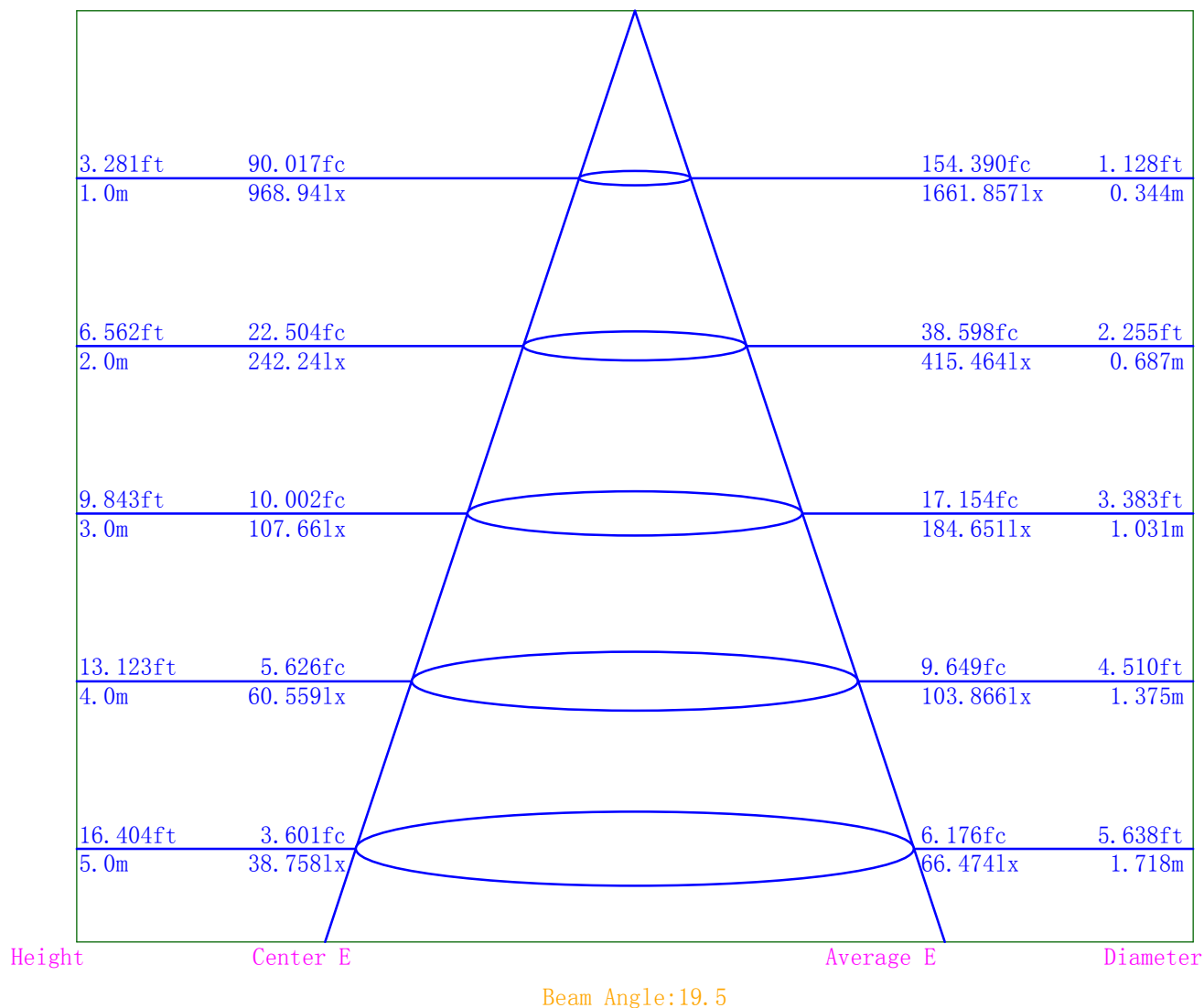
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Illuminance-Distance Diagram

Lum. Name: MD05-06-2700K RA90 15D	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab: Quality Department
Manufacture: SHENZHEN NORMING LIGHTING CO.,LTD	Test Machine:GON-2000	Test Date: 2018/01/09

Illuminance-Distance Curve



Indoor Luminance Limiting Curves

Lum. Name: MD05-06-2700K RA90 15D	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab: Quality Department
Manufacture: SHENZHEN NORMING LIGHTING CO.,LTD	Test Machine:GON-2000	Test Date: 2018/01/09

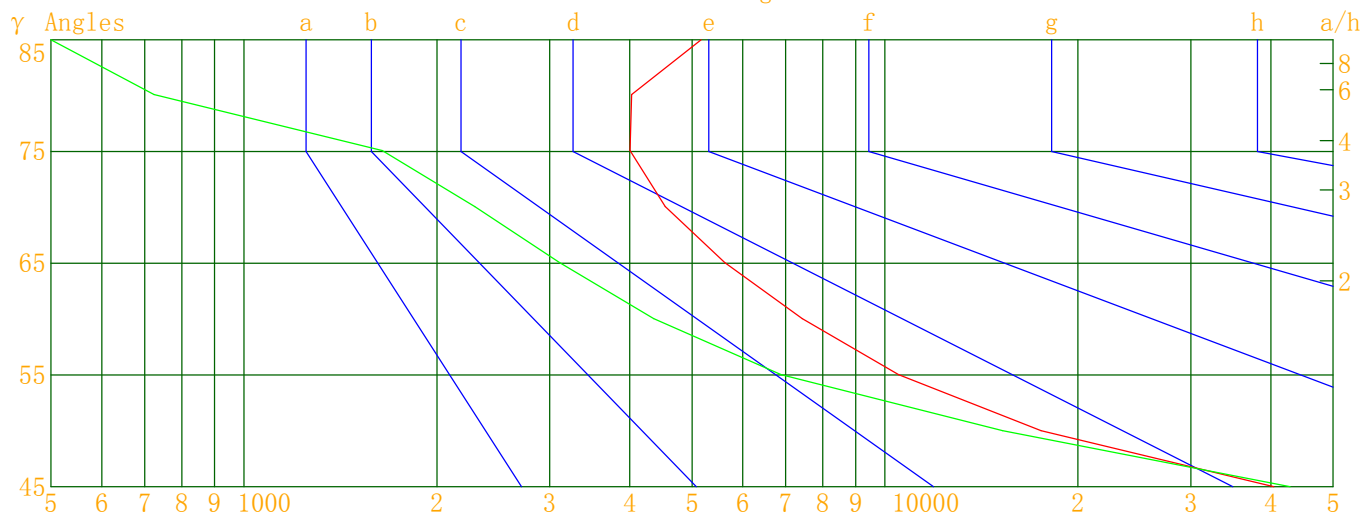
Glare Grade Table

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	40399	17525	10503	7427	5627	4545	4000	4024	5166
C90	42869	15255	6890	4357	3108	2292	1643	724	0

Luminance Limiting Curve



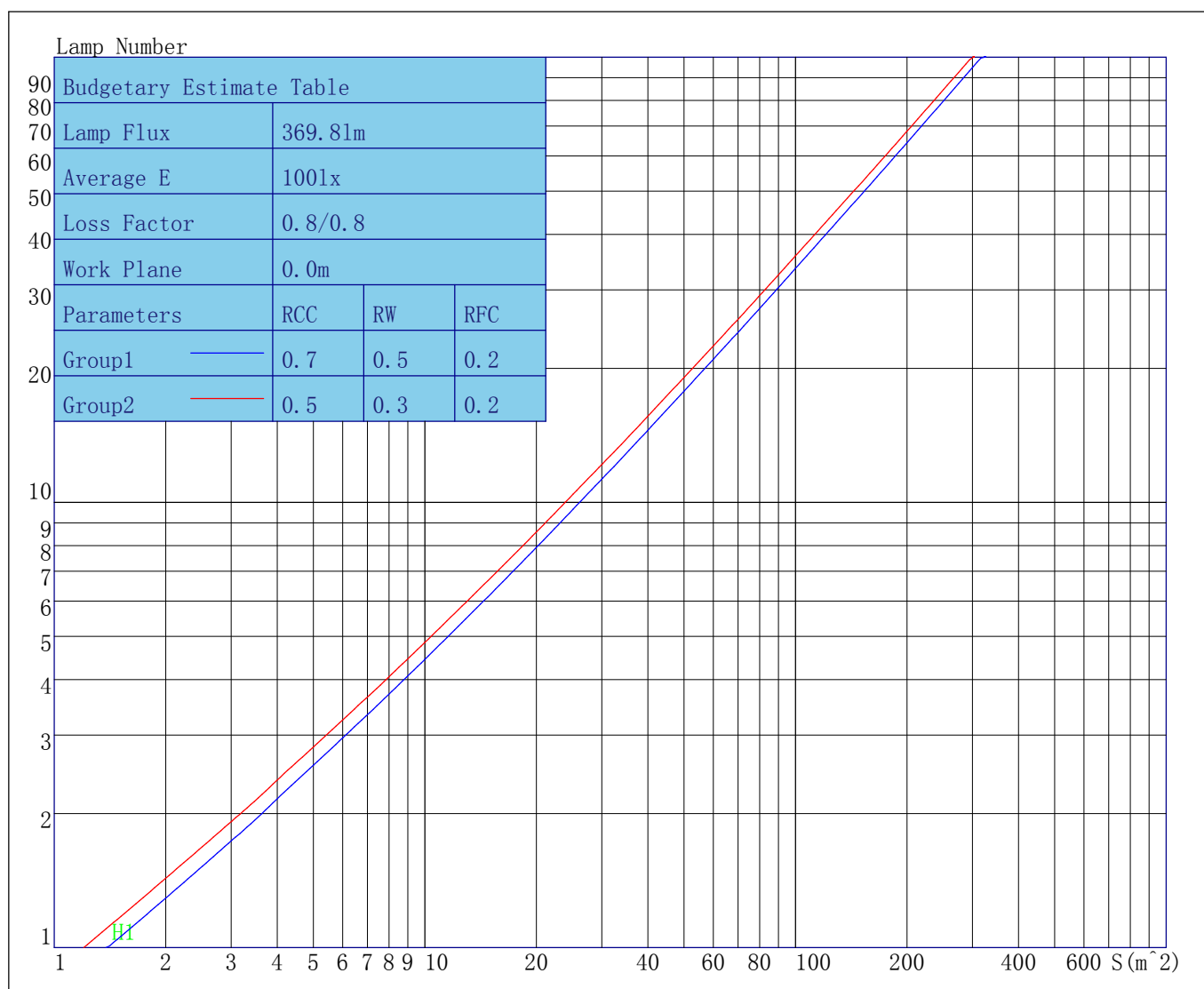
Luminous Size: Length(m)=0.000 Width(m)=-0.050 Height(m)=0.000 Area(m²)=0.001963
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: ——— C90-C270 Color: ———

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Indoor Budgetary Estimate Table

Lum. Name: MD05-06-2700K RA90 15D	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab: Quality Department
Manufacture: SHENZHEN NORMING LIGHTING CO.,LTD	Test Machine:GON-2000	Test Date: 2018/01/09



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

IES Indoor Report

Photometric Filename:MD05-06-2700K RA90 15D.IES

Indoor Coefficient of Utilization Table

Lum. Name: MD05-06-2700K RA90 15D	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab: Quality Department
Manufacture: SHENZHEN NORMING LIGHTING CO.,LTD	Test Machine:GON-2000	Test Date: 2018/01/09

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	132	132	132	132	129	129	129	129	123	123	123	118	118	118	113	113	113	111
1	126	123	120	118	123	120	118	116	116	114	112	112	110	109	108	107	106	104
2	120	114	110	106	117	112	108	105	109	105	102	105	103	100	102	100	98	96
3	114	106	101	97	111	105	100	96	102	98	94	99	96	93	97	94	91	90
4	108	100	93	89	106	98	93	88	96	91	87	94	89	86	92	88	85	83
5	103	93	87	82	101	92	86	82	90	85	81	88	84	80	87	83	80	78
6	98	88	81	77	96	87	81	76	85	80	76	84	79	75	82	78	75	73
7	93	83	76	72	92	82	76	71	81	75	71	79	74	71	78	74	70	69
8	89	78	72	67	87	78	72	67	77	71	67	75	70	67	74	70	66	65
9	85	74	68	64	84	74	68	63	73	67	63	72	67	63	71	66	63	61
10	81	71	64	60	80	70	64	60	69	64	60	68	63	60	68	63	60	58

IES Indoor Report

Photometric Filename:MD05-06-2700K RA90 15D.IES

Unified Glare Rating Table

Lum. Name: MD05-06-2700K RA90 15D	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab: Quality Department
Manufacture: SHENZHEN NORMING LIGHTING CO.,LTD	Test Machine:GON-2000	Test Date: 2018/01/09

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	20.5	21.8	20.9	22.1	22.4	20.5	21.7	20.8	22.0	22.3
	Y=3H	20.5	21.6	20.8	21.9	22.3	20.3	21.4	20.7	21.7	22.1
	Y=4H	20.4	21.4	20.8	21.8	22.2	20.2	21.3	20.6	21.6	22.0
	Y=6H	20.3	21.3	20.8	21.7	22.1	20.1	21.1	20.5	21.5	21.9
	Y=8H	20.3	21.2	20.7	21.6	22.0	20.1	21.0	20.5	21.4	21.8
	Y=12H	20.3	21.2	20.7	21.6	22.0	20.0	20.9	20.4	21.3	21.7
X=4H	Y=2H	20.3	21.3	20.7	21.7	22.1	20.2	21.3	20.6	21.6	22.0
	Y=3H	20.2	21.1	20.7	21.5	21.9	20.1	20.9	20.5	21.3	21.8
	Y=4H	20.2	21.0	20.6	21.4	21.9	20.0	20.8	20.4	21.2	21.6
	Y=6H	20.1	20.9	20.6	21.3	21.8	19.8	20.6	20.3	21.0	21.5
	Y=8H	20.1	20.8	20.6	21.3	21.7	19.8	20.5	20.2	20.9	21.4
	Y=12H	20.1	20.7	20.6	21.2	21.7	19.7	20.4	20.2	20.8	21.3
X=8H	Y=4H	20.0	20.7	20.5	21.2	21.7	19.8	20.5	20.3	20.9	21.4
	Y=6H	20.0	20.6	20.5	21.1	21.7	19.7	20.3	20.2	20.8	21.3
	Y=8H	20.0	20.6	20.5	21.1	21.6	19.6	20.2	20.1	20.7	21.2
	Y=12H	20.0	20.5	20.5	21.0	21.6	19.5	20.1	20.0	20.5	21.1
X=12H	Y=4H	20.0	20.6	20.5	21.1	21.6	19.7	20.4	20.2	20.8	21.3
	Y=6H	19.9	20.5	20.5	21.0	21.5	19.6	20.2	20.1	20.6	21.2
	Y=8H	19.9	20.5	20.4	21.0	21.5	19.5	20.1	20.0	20.6	21.1
Variations with the objerver position at spacings											
S=1.0H	0.3/-0.3					1.2/-1.6					
S=1.5H	0.7/-0.7					1.7/-2.3					
S=2.0H	1.3/-1.1					2.5/-3.0					
Reduced UGR Table:											
Nordic Standard Table:	BKO					BKO					
Correction Value	0.3					0.1					

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

IES Indoor Report

Photometric Filename:MD05-06-2700K RA90 15D.IES

Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
γ 0.0	968.94	968.94	968.94	968.94
γ 1.0	1009.30	988.66	913.34	942.30
γ 2.0	1033.59	983.33	850.94	898.75
γ 3.0	1040.72	959.88	787.44	845.47
γ 4.0	1025.26	920.88	721.94	783.71
γ 5.0	991.88	872.65	658.97	717.18
γ 6.0	937.76	816.65	598.85	654.34
γ 7.0	870.72	757.76	546.05	598.21
γ 8.0	800.01	697.37	496.52	544.97
γ 9.0	724.21	637.23	452.78	492.18
γ 10.0	647.18	578.98	413.17	441.93
γ 11.0	581.17	525.13	380.23	399.02
γ 12.0	519.24	477.45	351.50	363.36
γ 13.0	460.47	435.07	326.52	332.01
γ 14.0	405.34	396.39	304.15	305.30
γ 15.0	363.17	362.95	284.31	281.74
γ 16.0	328.45	333.90	265.79	261.66
γ 17.0	301.04	309.02	249.32	244.02
γ 18.0	277.81	287.15	233.88	228.84
γ 19.0	257.82	267.90	219.77	215.03
γ 20.0	240.71	250.50	207.24	203.25
γ 21.0	226.23	235.20	196.48	193.30
γ 22.0	214.42	221.32	186.34	184.85
γ 23.0	204.19	209.57	177.57	177.18
γ 24.0	194.80	198.70	169.90	170.51
γ 25.0	187.18	189.68	163.23	164.67
γ 26.0	180.25	181.80	157.50	159.44
γ 27.0	174.31	174.49	152.78	154.86
γ 28.0	169.00	168.06	148.16	151.05
γ 29.0	164.74	162.59	144.42	147.79
γ 30.0	160.21	157.55	141.05	144.75
γ 31.0	156.20	153.10	137.49	141.56
γ 32.0	152.13	148.85	133.63	138.09
γ 33.0	148.27	145.09	130.65	133.48
γ 34.0	144.68	141.44	126.49	128.31
γ 35.0	140.97	137.54	121.50	121.41
γ 36.0	136.24	132.98	114.76	113.08
γ 37.0	129.44	129.18	106.40	104.29
γ 38.0	121.50	123.54	96.24	95.25
γ 39.0	112.71	115.96	86.66	85.69
γ 40.0	102.53	107.21	77.52	76.11
γ 41.0	91.96	98.06	68.54	66.48
γ 42.0	81.74	88.59	59.45	56.92
γ 43.0	72.72	78.83	50.10	47.74
γ 44.0	64.32	69.01	39.70	39.17
γ 45.0	56.09	59.52	30.10	31.26
γ 46.0	47.93	50.02	22.77	24.61

IES Indoor Report

Photometric Filename:MD05-06-2700K RA90 15D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	39.70	40.52	17.79	20.07
γ 48.0	32.29	31.98	14.92	17.32
γ 49.0	26.42	24.80	11.29	15.37
γ 50.0	22.12	19.25	8.47	13.28
γ 51.0	19.10	15.63	7.28	11.44
γ 52.0	17.02	13.15	6.32	10.11
γ 53.0	15.12	11.09	5.55	9.13
γ 54.0	13.40	8.91	4.92	8.31
γ 55.0	11.83	7.76	4.40	7.54
γ 56.0	10.72	6.84	3.94	6.81
γ 57.0	9.74	6.06	3.54	6.15
γ 58.0	8.84	5.37	3.17	5.56
γ 59.0	8.04	4.79	2.87	5.07
γ 60.0	7.29	4.28	2.61	4.66
γ 61.0	6.67	3.87	2.38	4.30
γ 62.0	6.08	3.49	2.15	3.96
γ 63.0	5.57	3.15	1.95	3.65
γ 64.0	5.10	2.86	1.77	3.38
γ 65.0	4.67	2.58	1.61	3.13
γ 66.0	4.27	2.33	1.47	2.92
γ 67.0	3.91	2.12	1.34	2.72
γ 68.0	3.59	1.89	1.23	2.54
γ 69.0	3.30	1.72	1.12	2.38
γ 70.0	3.05	1.54	1.02	2.22
γ 71.0	2.82	1.39	0.92	2.08
γ 72.0	2.60	1.23	0.83	1.95
γ 73.0	2.40	1.09	0.74	1.81
γ 74.0	2.21	0.96	0.64	1.69
γ 75.0	2.03	0.83	0.55	1.56
γ 76.0	1.89	0.71	0.45	1.42
γ 77.0	1.75	0.60	0.35	1.28
γ 78.0	1.62	0.48	0.27	1.15
γ 79.0	1.49	0.36	0.17	1.03
γ 80.0	1.37	0.25	0.09	0.92
γ 81.0	1.24	0.15	0.00	0.83
γ 82.0	1.14	0.05	0.00	0.74
γ 83.0	1.04	0.00	0.00	0.62
γ 84.0	0.95	0.00	0.00	0.35
γ 85.0	0.88	0.00	0.00	0.18
γ 86.0	0.81	0.00	0.00	0.11
γ 87.0	0.72	0.00	0.00	0.00
γ 88.0	0.60	0.00	0.00	0.00
γ 89.0	0.46	0.00	0.00	0.00
γ 90.0	0.33	0.00	0.00	0.00
γ 91.0	0.00	0.00	0.00	0.00
γ 92.0	0.00	0.00	0.00	0.00
γ 93.0	0.00	0.00	0.00	0.00

IES Indoor Report

Photometric Filename:MD05-06-2700K RA90 15D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	0.00	0.00	0.00	0.00
γ 95.0	0.00	0.00	0.00	0.00
γ 96.0	0.00	0.00	0.00	0.00
γ 97.0	0.00	0.00	0.00	0.00
γ 98.0	0.00	0.00	0.00	0.00
γ 99.0	0.00	0.00	0.00	0.00
γ 100.0	0.00	0.00	0.00	0.00
γ 101.0	0.00	0.00	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:MD05-06-2700K RA90 15D.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	0.00	0.00	0.00	0.00
γ 143.0	0.00	0.00	0.00	0.04
γ 144.0	0.00	0.00	0.00	0.09
γ 145.0	0.00	0.00	0.03	0.13
γ 146.0	0.00	0.00	0.08	0.17
γ 147.0	0.00	0.00	0.13	0.21
γ 148.0	0.00	0.00	0.16	0.24
γ 149.0	0.05	0.00	0.20	0.27
γ 150.0	0.09	0.00	0.23	0.31
γ 151.0	0.13	0.00	0.28	0.33
γ 152.0	0.17	0.00	0.31	0.37
γ 153.0	0.21	0.03	0.34	0.40
γ 154.0	0.25	0.07	0.37	0.42
γ 155.0	0.30	0.10	0.40	0.46
γ 156.0	0.34	0.14	0.44	0.48
γ 157.0	0.37	0.18	0.47	0.49
γ 158.0	0.40	0.21	0.49	0.52
γ 159.0	0.43	0.24	0.52	0.54
γ 160.0	0.46	0.27	0.55	0.57
γ 161.0	0.49	0.32	0.58	0.59
γ 162.0	0.53	0.34	0.60	0.60
γ 163.0	0.55	0.37	0.62	0.63
γ 164.0	0.58	0.39	0.64	0.64
γ 165.0	0.61	0.43	0.67	0.66
γ 166.0	0.63	0.46	0.69	0.67
γ 167.0	0.64	0.49	0.70	0.68
γ 168.0	0.68	0.51	0.71	0.70
γ 169.0	0.70	0.54	0.72	0.70
γ 170.0	0.73	0.57	0.74	0.71
γ 171.0	0.75	0.57	0.75	0.72
γ 172.0	0.76	0.60	0.75	0.73
γ 173.0	0.77	0.60	0.75	0.73
γ 174.0	0.79	0.62	0.76	0.73
γ 175.0	0.80	0.63	0.77	0.74
γ 176.0	0.80	0.64	0.77	0.74
γ 177.0	0.81	0.64	0.78	0.74
γ 178.0	0.81	0.65	0.79	0.75
γ 179.0	0.81	0.65	0.80	0.75
γ 180.0	0.77	0.77	0.77	0.77