

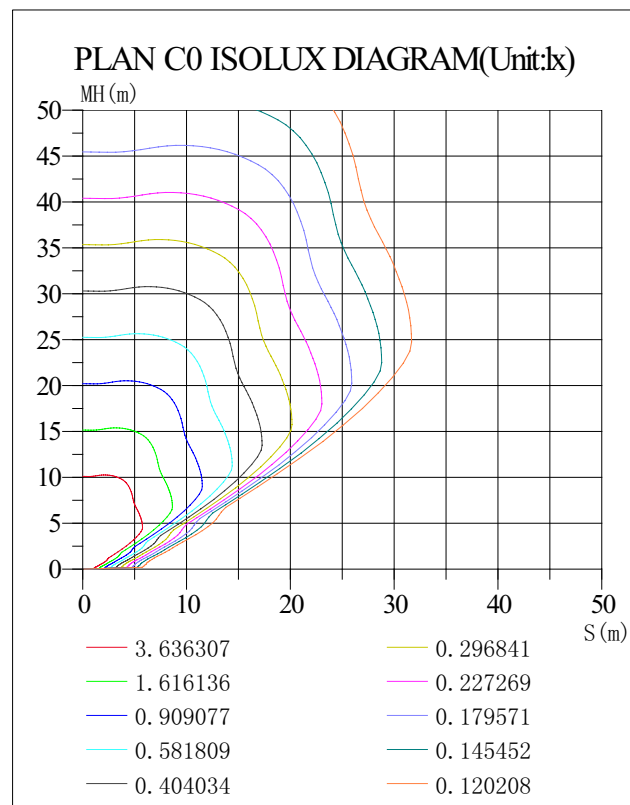
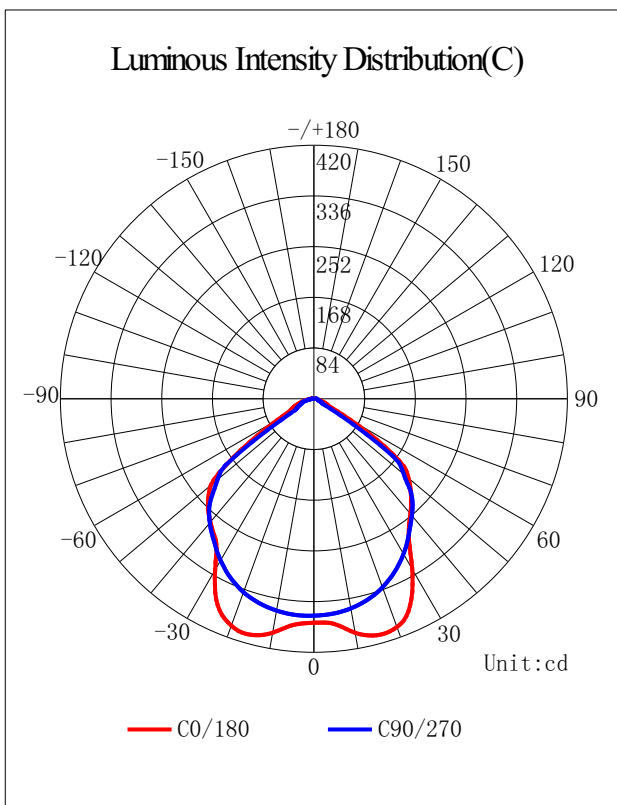


**SSP6316-D50: Lamp Space Intensity Distribution**

**Photometric Data of Luminaire**

Lamp Description					
Lamp Name:	10W	Lamp Des:		Lamp Weight:	Kg
Manufac:		Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:110.000V I:0.154A P:9.800W Pf:0.5780		LuminareFlux:	1*25.00 lm	

Lamp Test Data			
Lamp Flux:	880.70 lm	Center Cd.:	363.6 cd
Max(C, $\psi$ ):	(0, 17.0)	Maximum Cd.:	406.1 cd
BeamAngle(50%):	105.0 Deg	BeamAngle(10%):	132.0 Deg
Flux(0-90):	880.60 lm(100.0%)	Flux(90-180):	0.1 lm(0.0%)
LuminousEfficacy:	89.87 lm/W	S/MH(C0/180)	1.26
		S/MH(C90/270)	1.23



C Angle Range: 0-360Deg       $\psi$  Range: 0-90Deg      Test No.: cs-001  
 C Precious: 10 Deg       $\psi$  Precious: 1 Deg      Tester: maze  
 Distance: 5.000 m      Date: 2014-05-05      Time: 16:48:47  
 Other:

## SSP6316-D50: Lamp Space Intensity Distribution

### Zonal Flux Diagram

Zonal Flux Diagram:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	Fzone	Ftotal	%lamp	%lum
10	393.6	373.7	352.6	369.9	393.5	376.3	356.2	366.1	0-10	35.05	35.05	3.98	140.21
20	402.3	380.6	332.4	364.5	399.9	380.4	341.0	378.9	10-20	105.99	141.04	16.02	564.17
30	325.9	349.4	296.9	324.4	327.2	350.5	309.2	358.5	20-30	163.51	304.55	34.59	1218.22
40	248.7	285.9	252.5	254.3	266.9	283.4	268.2	301.5	30-40	187.31	491.86	55.85	1967.44
50	204.6	214.6	194.7	195.3	222.8	220.8	208.6	229.9	40-50	188.49	680.35	77.26	2721.40
60	69.8	146.1	21.3	116.5	68.5	138.5	33.4	156.9	50-60	140.72	821.07	93.23	3284.27
70	18.1	10.6	9.3	9.6	31.3	23.6	21.7	25.1	60-70	38.87	859.94	97.65	3439.76
80	5.9	5.1	5.6	4.9	12.5	13.6	8.7	14.1	70-80	14.32	874.26	99.27	3497.06
90	0.0	1.7	3.6	1.5	4.0	2.2	0.0	2.8	80-90	6.34	880.60	99.99	3522.40
DEG	LUMINOUS INTENSITY:cd									UNIT:lm			

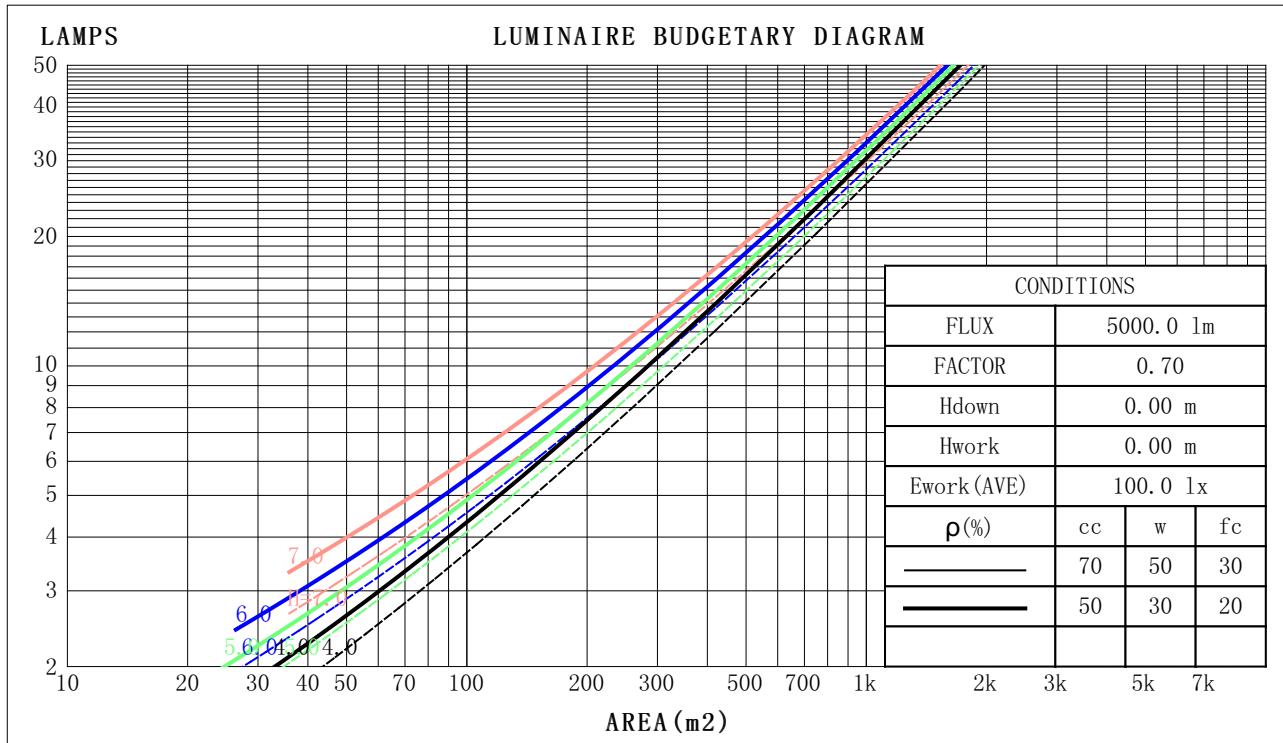
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C Angle Range:	0-360Deg	$\gamma$ Range:	0-90Deg	Test No.:	cs-001
C Precious:	10 Deg	$\gamma$ Precious:	1 Deg	Tester:	maze
Distance:	5.000 m	Date:	2014-05-05	Time:	16:48:47
Other:					

### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

<b>Lamp Description</b>					
Lamp Name:	10W	Lamp Des:		Lamp Weight:	10.000Kg
Manufac:	SLT	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:110.000V I:0.154A P:9.800W Pf:0.5780			LuminareFlux:	1*25.00 lm

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.07	1.04	1.00	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.96	.90	.85	.94	.89	.84	.90	.86	.82	.87	.84	.80	.84	.81	.79	.77
3.0	.86	.79	.73	.84	.78	.72	.81	.76	.71	.79	.74	.70	.76	.72	.69	.67
4.0	.77	.69	.63	.76	.68	.63	.73	.67	.62	.71	.65	.61	.69	.64	.60	.58
5.0	.69	.61	.55	.68	.61	.55	.66	.59	.54	.64	.58	.54	.62	.57	.53	.51
6.0	.63	.55	.49	.62	.54	.49	.60	.53	.48	.58	.52	.48	.57	.52	.47	.45
7.0	.57	.49	.43	.56	.49	.43	.55	.48	.43	.53	.47	.43	.52	.47	.42	.41
8.0	.52	.44	.39	.52	.44	.39	.50	.43	.39	.49	.43	.38	.48	.42	.38	.36
9.0	.48	.40	.35	.47	.40	.35	.46	.40	.35	.45	.39	.35	.44	.39	.35	.33
10.0	.44	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.32	.41	.36	.31	.30



C Angle Range:	0-360Deg	$\gamma$ Range:	0-90Deg	Test No.:	cs-001
C Precious:	10 Deg	$\gamma$ Precious:	1 Deg	Tester:	maze
Distance:	5.000 m	Date:	2014-05-05	Time:	16:48:47
Other:					

# SSP6316-D50: Lamp Space Intensity Distribution

## WEC AND CCEC

Lamp Description					
Lamp Name:	10W	Lamp Des:		Lamp Weight:	10.000Kg
Manufac:	SLT	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:110.000V I:0.154A P:9.800W Pf:0.5780			LuminareFlux:	1*25.00 lm

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Wall Exitance Coefficients(WEC)												
0.0																
1.0	.249	.142	.045	.242	.138	.044	.229	.132	.042	.217	.125	.040	.207	.120	.039	
2.0	.242	.133	.041	.236	.130	.040	.225	.125	.039	.214	.120	.038	.205	.116	.037	
3.0	.230	.123	.037	.225	.121	.036	.215	.117	.035	.206	.113	.035	.198	.109	.034	
4.0	.218	.113	.033	.213	.112	.033	.204	.108	.032	.196	.105	.032	.189	.103	.031	
5.0	.205	.105	.030	.201	.103	.030	.193	.101	.030	.186	.098	.029	.180	.096	.029	
6.0	.193	.097	.028	.190	.096	.028	.183	.094	.027	.176	.092	.027	.170	.090	.027	
7.0	.182	.090	.026	.179	.089	.025	.173	.087	.025	.167	.086	.025	.162	.084	.025	
8.0	.172	.084	.024	.169	.083	.024	.164	.082	.023	.158	.080	.023	.154	.079	.023	
9.0	.163	.079	.022	.160	.078	.022	.155	.077	.022	.150	.075	.022	.146	.074	.021	
10.0	.154	.074	.021	.152	.073	.020	.147	.072	.020	.143	.071	.020	.139	.070	.020	

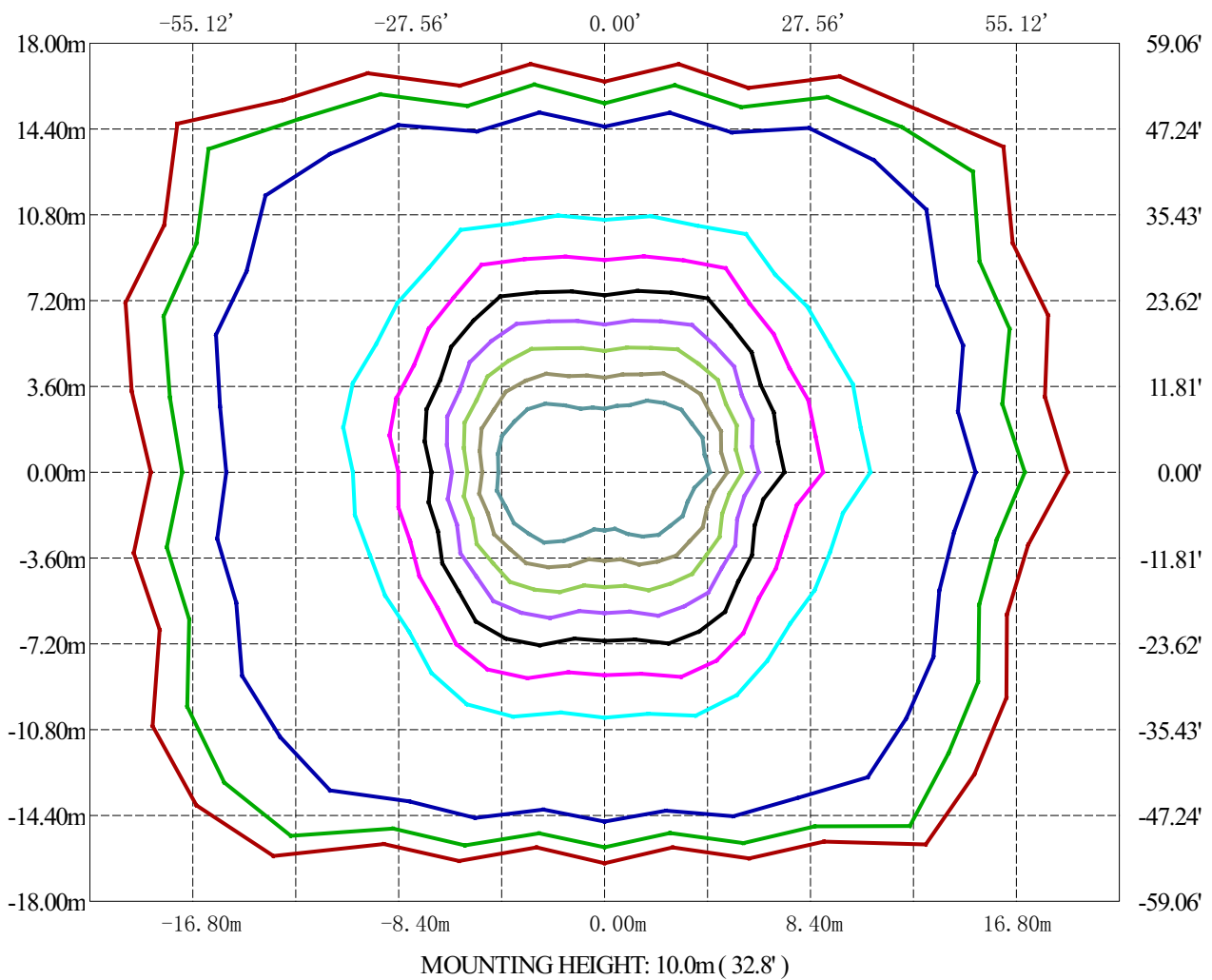
$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.176	.157	.139	.151	.134	.120	.103	.093	.083	.059	.054	.048	.019	.017	.016	
2.0	.166	.132	.104	.142	.114	.090	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.157	.114	.080	.134	.098	.069	.092	.068	.049	.053	.040	.029	.017	.013	.009	
4.0	.149	.100	.063	.128	.087	.055	.088	.060	.039	.051	.035	.023	.016	.012	.007	
5.0	.142	.090	.051	.122	.078	.044	.084	.054	.031	.049	.032	.019	.016	.010	.006	
6.0	.135	.081	.042	.116	.070	.037	.080	.049	.026	.047	.029	.015	.015	.009	.005	
7.0	.129	.074	.035	.111	.064	.031	.077	.045	.022	.045	.027	.013	.014	.009	.004	
8.0	.123	.068	.030	.106	.059	.027	.073	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.118	.063	.027	.102	.055	.023	.070	.039	.016	.041	.023	.010	.013	.007	.003	
10.0	.113	.059	.023	.097	.051	.020	.067	.036	.015	.039	.021	.009	.013	.007	.003	

C Angle Range: 0-360Deg       $\gamma$  Range: 0-90Deg      Test No. : cs-001  
 C Precious: 10 Deg       $\gamma$  Precious: 1 Deg      Tester: maze  
 Distance: 5.000 m      Date: 2014-05-05      Time: 16:48:47  
 Other:

# SSP6316-D50: Lamp Space Intensity Distribution

## ISOLUX Diagram

Lamp Description					
Lamp Name:	10W	Lamp Des:		Lamp Weight:	10.000Kg
Manufac:	SLT	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:110.000V I:0.154A P:9.800W Pf:0.5780			LuminareFlux:	1*25.00 lm

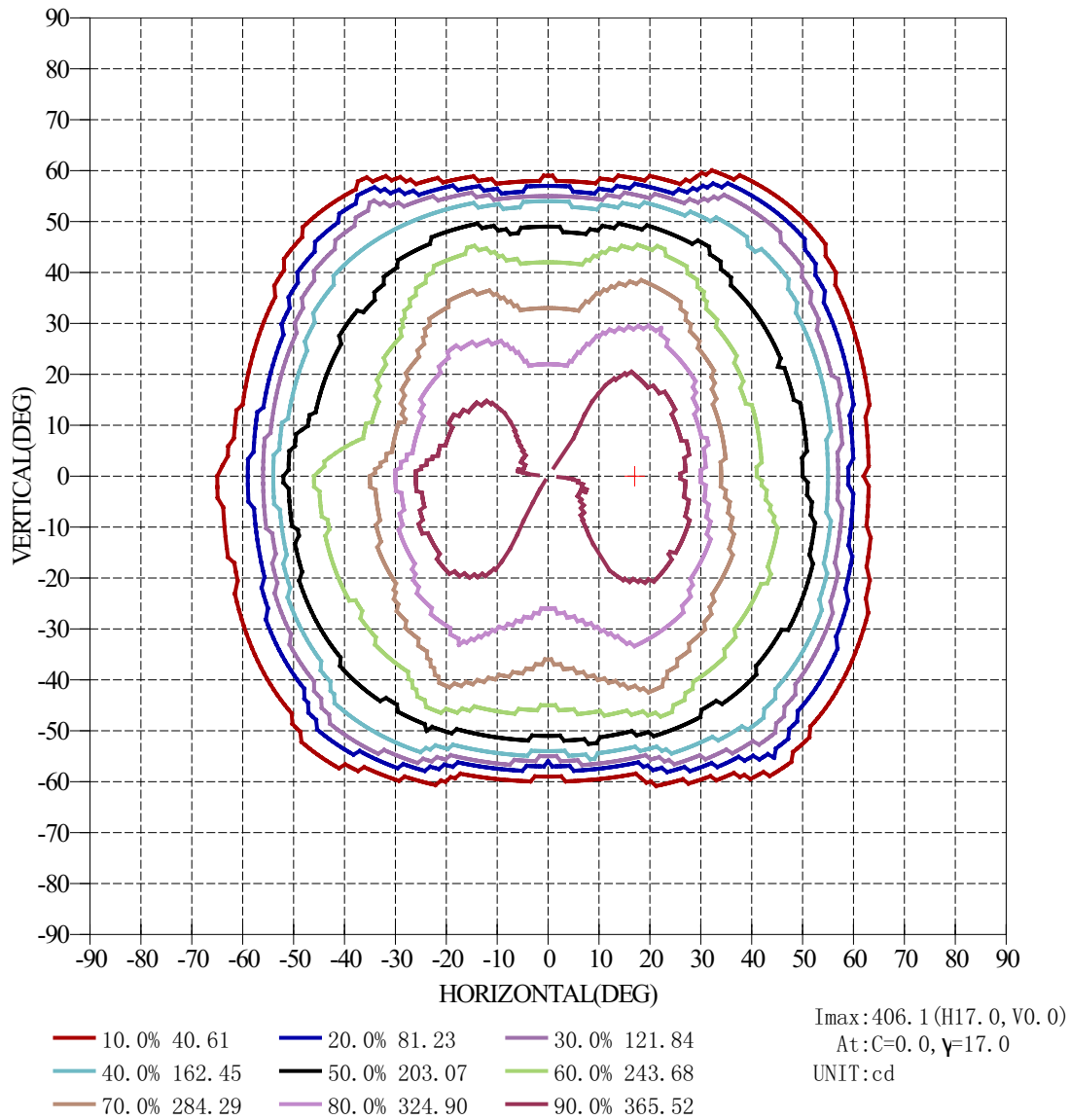


- |                         |                         |                         |
|-------------------------|-------------------------|-------------------------|
| 3.0% 0.1091lx 0.0101fc  | 5.0% 0.1818lx 0.0169fc  | 10.0% 0.3636lx 0.0338fc |
| 30.0% 1.0909lx 0.1013fc | 40.0% 1.4545lx 0.1351fc | 50.0% 1.8182lx 0.1689fc |
| 60.0% 2.1818lx 0.2027fc | 70.0% 2.5454lx 0.2365fc | 80.0% 2.9090lx 0.2703fc |
| 90.0% 3.2727lx 0.3040fc |                         |                         |

C Angle Range:	0-360Deg	γ Range:	0-90Deg	Test No.:	cs-001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	maze
Distance:	5.000 m	Date:	2014-05-05	Time:	16:48:47
Other:					

## ISOCANDELA Diagram

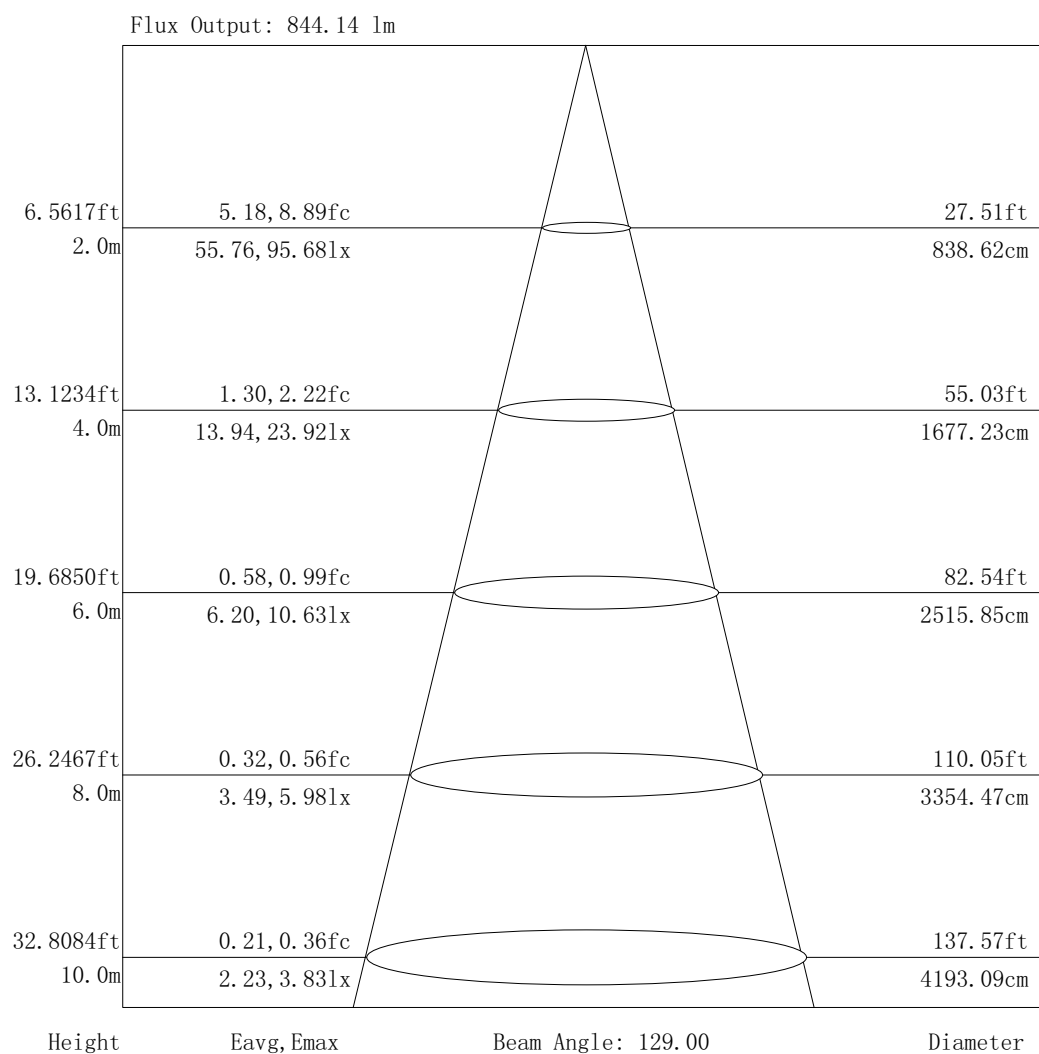
Lamp Description					
Lamp Name:	10W	Lamp Des:		Lamp Weight:	10.000Kg
Manufac:	SLT	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:110.000V I:0.154A P:9.800W Pf:0.5780			LuminareFlux:	1*25.00 lm



C Angle Range:	0-360Deg	γ Range:	0-90Deg	Test No.:	cs-001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	maze
Distance:	5.000 m	Date:	2014-05-05	Time:	16:48:47
Other:					

## Effective Average Illuminance Diagram

<b>Lamp Description</b>					
Lamp Name:	10W	Lamp Des:		Lamp Weight:	10.000Kg
Manufac:	SLT	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:110.000V I:0.154A P:9.800W Pf:0.5780			LuminareFlux:	1*25.00 lm



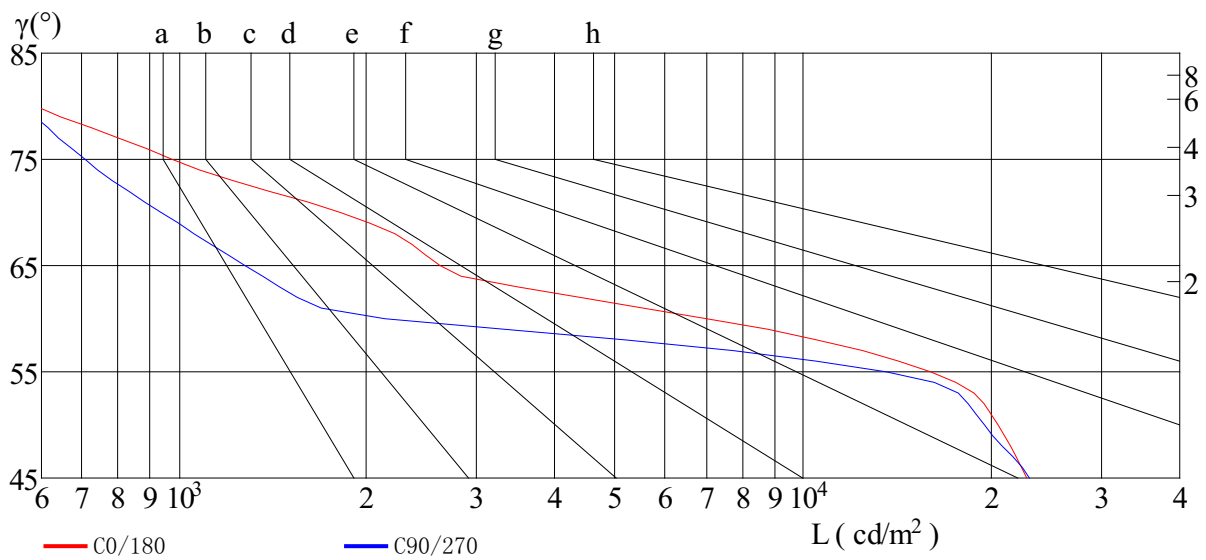
Note: The Curve indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Angle Range:	0-360Deg	γ Range:	0-90Deg	Test No.:	cs-001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	maze
Distance:	5.000 m	Date:	2014-05-05	Time:	16:48:47
Other:					

## Luminance Limitation Curves

Lamp Description					
Lamp Name:	10W	Lamp Des:		Lamp Weight:	10.000Kg
Manufac:	SLT	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:110.000V I:0.154A P:9.800W Pf:0.5780			LuminareFlux:	1*25.00 lm

GLARE	CLASS	ILLUMINANCE (lx)							
		a	b	c	d	e	f	g	h
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



C/Gama	85	80	75	70	65	60	55	50	45	Unit
C0	451	588	972	1807	2612	6978	15950	20464	22750	cd/m2
C90	456	561	705	933	1271	2129	13542	19465	22972	

C Angle Range: 0-360Deg      γ Range: 0-90Deg      Test No. : cs-001  
 C Precious: 10 Deg      γ Precious: 1 Deg      Tester: maze  
 Distance: 5.000 m      Date: 2014-05-05      Time: 16:48:47  
 Other:



**Tester**

## UTILIZATION FACTORS TABLE

<b>Lamp Description</b>					
Lamp Name:	10W	Lamp Des:		Lamp Weight:	10.000Kg
Manufac:	SLT	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:110.000V I:0.154A P:9.800W Pf:0.5780			LuminareFlux:	1*25.00 lm

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERFECT) $k(RI) \times RCR = 5$									
k = 0.60	63	52	45	62	52	45	61	51	45	39
0.80	74	64	57	73	63	57	71	62	56	50
1.00	83	74	67	82	73	67	80	72	66	60
1.25	90	81	75	89	81	75	86	79	74	67
1.50	95	87	81	93	86	80	90	84	79	72
2.00	101	94	89	99	93	88	96	90	86	79
2.50	104	98	93	102	96	92	98	93	90	82
3.00	106	101	97	104	99	95	100	96	93	85
4.00	109	105	101	107	103	100	103	100	97	88
5.00	111	107	104	109	105	102	104	101	99	90
ROOM INDEX	UF (total)									Direct
According to BS EN 13032-2004			Suspended				SHRNOM=1.25			

C Angle Range:	0-360Deg	γ Range:	0-90Deg	Test No.:	cs-001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	maze
Distance:	5.000 m	Date:	2014-05-05	Time:	16:48:47
Other:					