

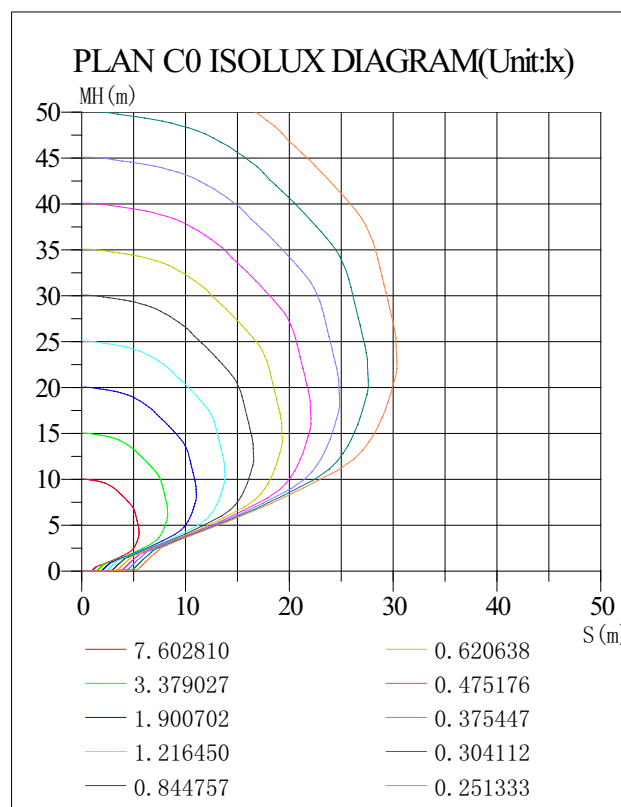
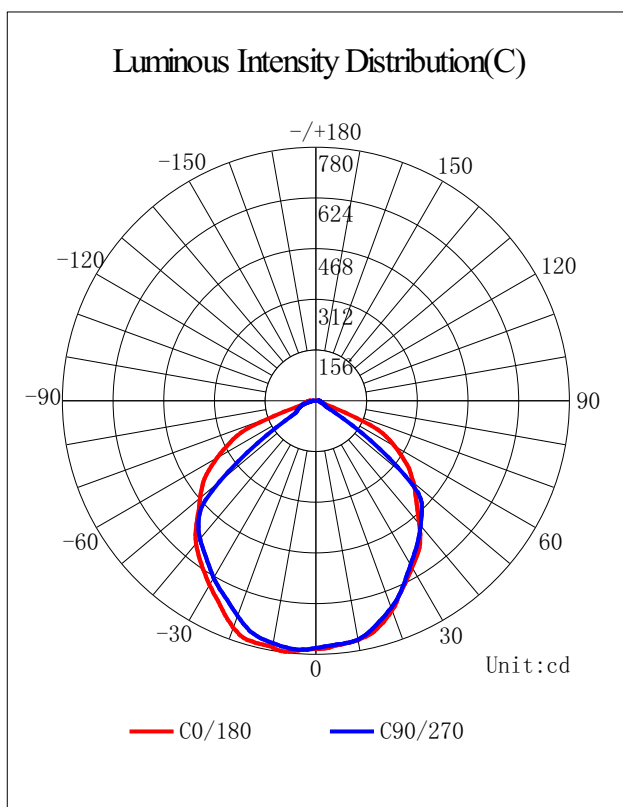


SSP6316-D50: Lamp Space Intensity Distribution

Photometric Data of Luminaire

Lamp Description					
Lamp Name:	20W	Lamp Des:		Lamp Weight:	Kg
Manufac:		Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:120.400V I:0.158A P:18.800W Pf:0.9860			LuminareFlux:	1*25.00 lm

Lamp Test Data			
Lamp Flux:	1782.96 lm	Center Cd.:	760.3 cd
Max(C, ψ):	(220, 9.0)	Maximum Cd.:	782.5 cd
BeamAngle(50%):	107.0 Deg	BeamAngle(10%):	141.0 Deg
Flux(0-90):	1782.61 lm(100.0%)	Flux(90-180):	0.3 lm(0.0%)
LuminousEfficacy:	94.84 lm/W	S/MH(C0/180)	1.18
		S/MH(C90/270)	1.15



C Angle Range: 0-360Deg ψ Range: 0-90Deg Test No.: cs-001
 C Precious: 10 Deg ψ Precious: 1 Deg Tester: maze
 Distance: 5.000 m Date: 2014-04-24 Time: 16:19:07
 Other:

Zonal Flux Diagram

Zonal Flux Diagram:

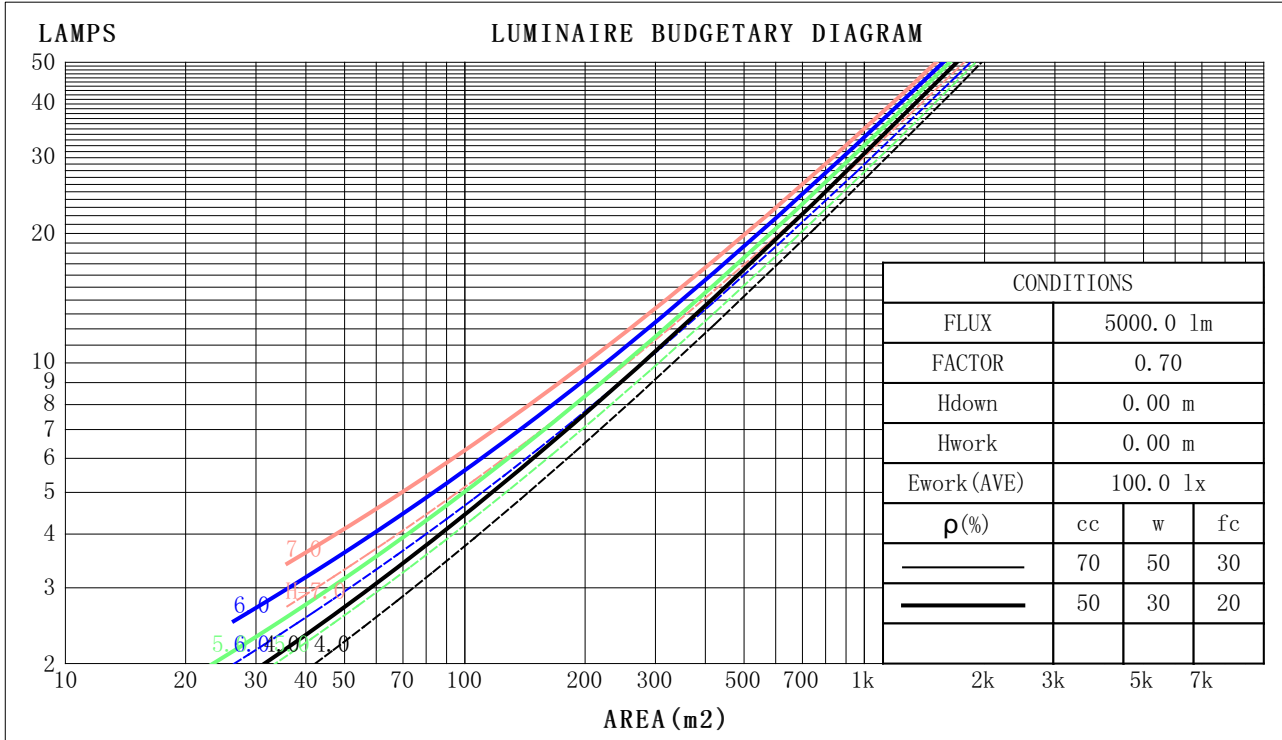
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Fzone	Ftotal	%lamp	%lum
10	747.4	745.1	746.3	752.1	769.4	780.3	757.3	762.4	0-10	72.54	72.54	4.07	290.18
20	685.4	693.8	677.9	701.4	743.4	741.4	704.4	724.7	10-20	208.39	280.93	15.76	1123.73
30	591.9	595.3	582.5	604.8	654.6	653.1	629.4	637.5	20-30	306.39	587.32	32.95	2349.29
40	495.1	495.7	501.5	506.0	573.6	556.1	553.9	544.2	30-40	358.61	945.93	53.06	3783.71
50	392.5	401.0	358.7	413.6	464.6	467.7	386.8	447.4	40-50	369.17	1315.10	73.76	5260.41
60	280.3	239.4	38.8	255.6	351.1	284.4	70.2	275.3	50-60	283.55	1598.65	89.67	6394.60
70	27.4	17.2	22.4	23.5	136.8	53.7	48.7	48.2	60-70	134.95	1733.60	97.24	6934.41
80	10.1	10.8	14.6	14.8	33.1	32.9	19.5	28.5	70-80	32.98	1766.58	99.09	7066.33
90	0.0	3.7	10.2	5.1	17.9	6.8	0.0	6.6	80-90	16.03	1782.61	99.99	7130.46
DEG	LUMINOUS INTENSITY:cd									UNIT: 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:	2014-04-24	Time:	16:19:07
Other:					

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Lamp Description					
Lamp Name:	20W	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:120.400V I:0.158A P:18.800W Pf:0.9860			LuminareFlux:	1*25.00 lm

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	1.06	1.03	1.00	1.04	1.01	.98	1.00	.97	.95	.96	.94	.92	.93	.91	.89	.87
2.0	.95	.89	.84	.93	.87	.83	.89	.85	.81	.86	.82	.79	.83	.80	.77	.75
3.0	.84	.77	.71	.83	.76	.71	.80	.74	.69	.77	.72	.68	.75	.71	.67	.65
4.0	.75	.67	.61	.74	.67	.61	.72	.65	.60	.69	.64	.59	.67	.63	.59	.57
5.0	.68	.60	.53	.67	.59	.53	.65	.58	.53	.63	.57	.52	.61	.56	.52	.50
6.0	.61	.53	.47	.60	.53	.47	.59	.52	.46	.57	.51	.46	.56	.50	.46	.44
7.0	.56	.48	.42	.55	.47	.42	.54	.47	.41	.52	.46	.41	.51	.45	.41	.39
8.0	.51	.43	.37	.50	.43	.37	.49	.42	.37	.48	.42	.37	.47	.41	.37	.35
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.34	.44	.38	.33	.43	.37	.33	.32
10.0	.43	.36	.31	.43	.36	.31	.42	.35	.31	.41	.35	.30	.40	.34	.30	.29



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:	2014-04-24	Time:	16:19:07
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

WEC AND CCEC

Lamp Description					
Lamp Name:	20W	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:120.400V I:0.158A P:18.800W Pf:0.9860			LuminareFlux:	1*25.00 lm

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Wall Exitance Coefficients(WEC)												
0.0																
1.0	.260	.148	.047	.253	.144	.046	.240	.138	.044	.228	.131	.042	.217	.126	.041	
2.0	.252	.138	.042	.245	.135	.042	.234	.130	.040	.224	.125	.039	.214	.121	.038	
3.0	.238	.127	.038	.233	.125	.038	.223	.121	.037	.214	.117	.036	.205	.114	.035	
4.0	.224	.117	.034	.220	.115	.034	.211	.112	.033	.203	.109	.033	.195	.106	.032	
5.0	.211	.107	.031	.207	.106	.031	.199	.103	.030	.191	.101	.030	.185	.099	.030	
6.0	.198	.099	.028	.194	.098	.028	.187	.096	.028	.181	.094	.028	.175	.092	.027	
7.0	.186	.092	.026	.183	.091	.026	.176	.089	.026	.171	.087	.025	.165	.086	.025	
8.0	.175	.086	.024	.172	.085	.024	.166	.083	.024	.161	.082	.024	.156	.080	.023	
9.0	.165	.080	.022	.162	.079	.022	.157	.078	.022	.153	.077	.022	.148	.075	.022	
10.0	.156	.075	.021	.154	.074	.021	.149	.073	.021	.145	.072	.020	.141	.071	.020	

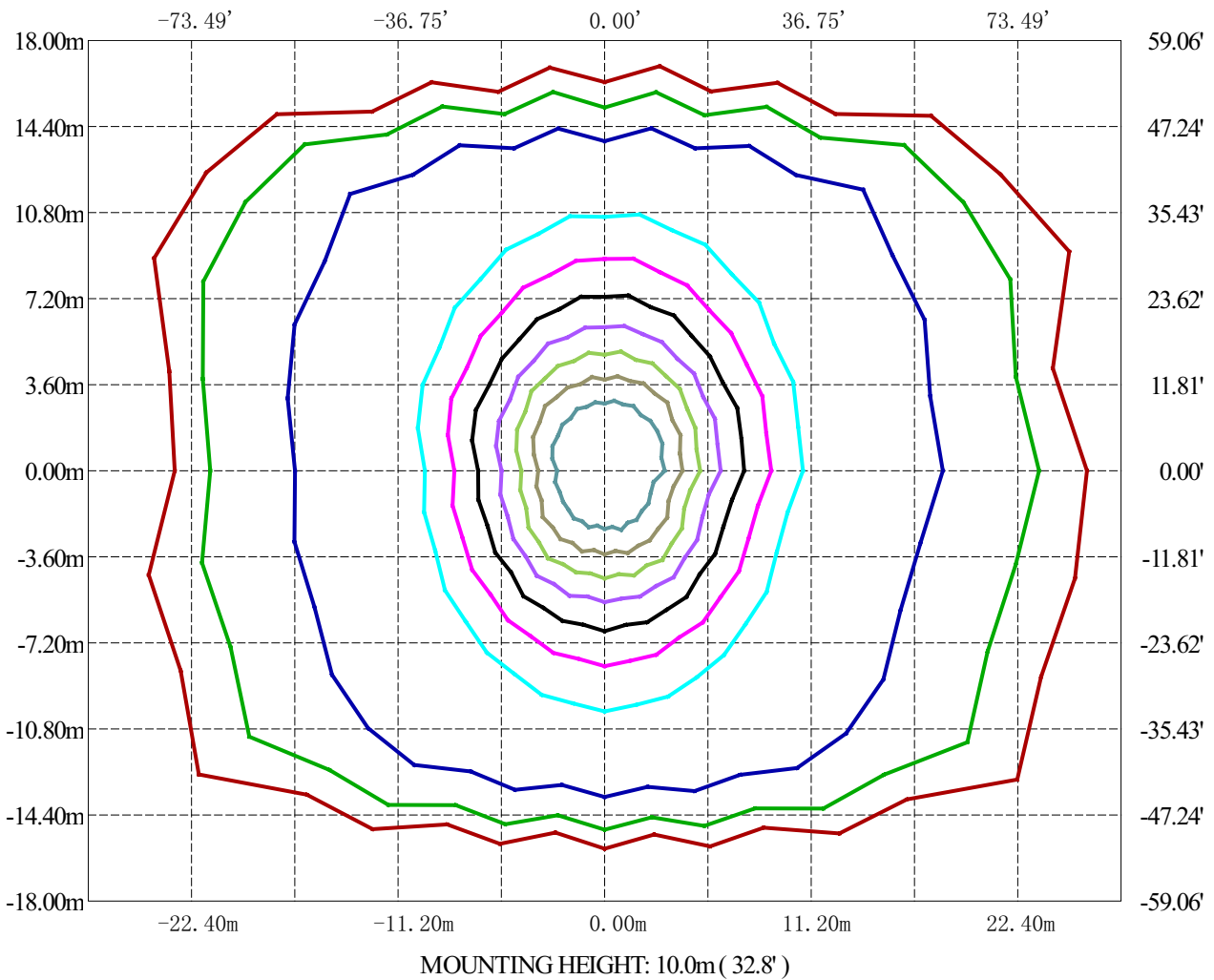
ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.177	.157	.138	.151	.134	.119	.104	.092	.082	.060	.053	.048	.019	.017	.015	
2.0	.167	.132	.103	.143	.114	.089	.098	.079	.062	.056	.046	.036	.018	.015	.012	
3.0	.158	.114	.079	.136	.098	.068	.093	.068	.048	.054	.040	.028	.017	.013	.009	
4.0	.151	.100	.062	.129	.087	.054	.089	.060	.038	.051	.035	.022	.017	.012	.007	
5.0	.144	.090	.050	.123	.078	.044	.085	.054	.031	.049	.032	.018	.016	.010	.006	
6.0	.137	.081	.041	.118	.070	.036	.081	.049	.026	.047	.029	.015	.015	.009	.005	
7.0	.131	.074	.035	.112	.064	.030	.078	.045	.022	.045	.027	.013	.015	.009	.004	
8.0	.125	.069	.030	.107	.059	.026	.074	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.119	.064	.026	.102	.055	.023	.071	.039	.016	.041	.023	.010	.013	.008	.003	
10.0	.114	.059	.023	.098	.052	.020	.068	.036	.014	.040	.021	.009	.013	.007	.003	

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: 2014-04-24 Time: 16:19:07
 Other:

SSP6316-D50: Lamp Space Intensity Distribution

ISOLUX Diagram

Lamp Description					
Lamp Name:	20W	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:120.400V I:0.158A P:18.800W Pf:0.9860			LuminareFlux:	1*25.00 lm

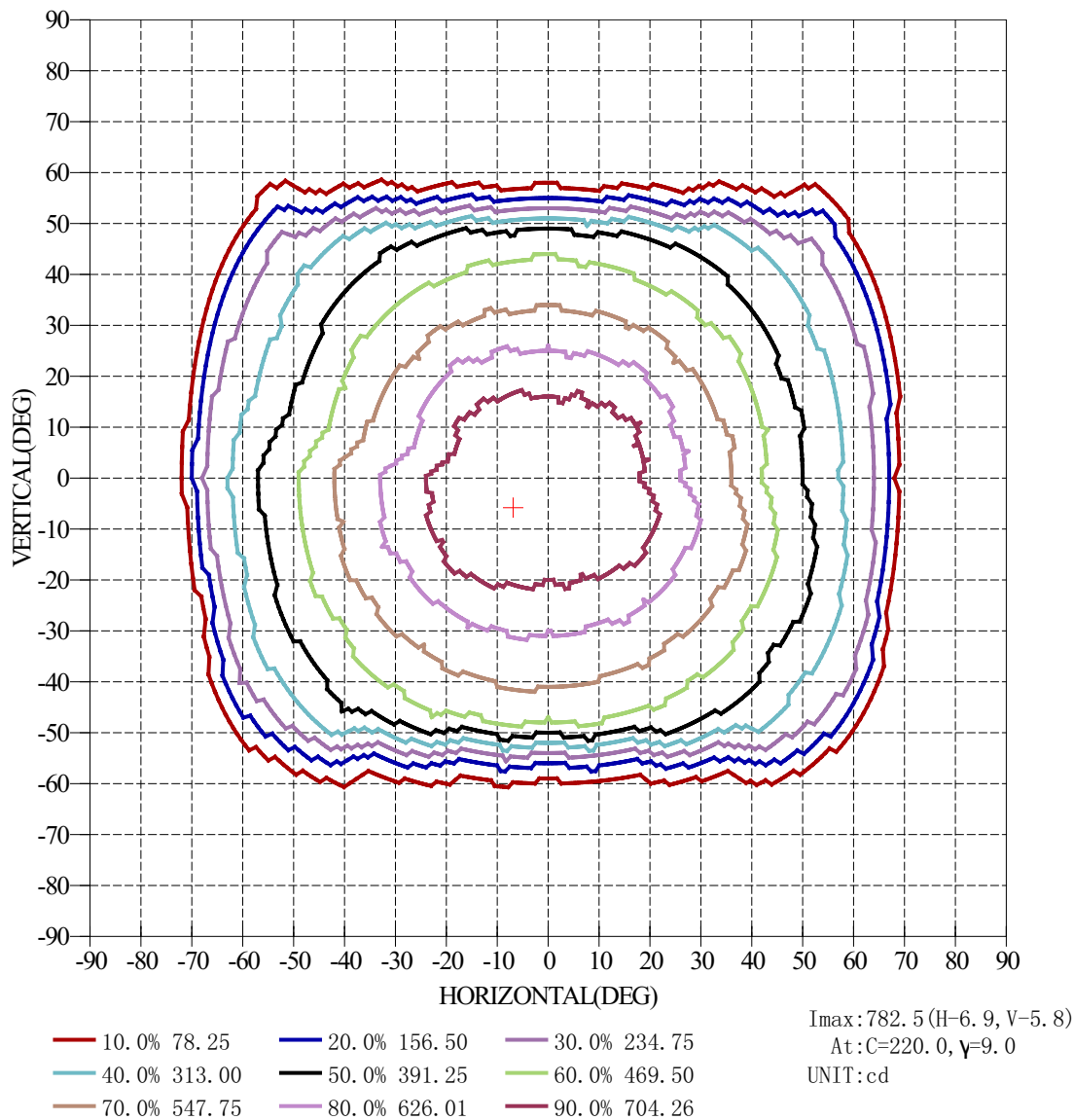


- | | | |
|-------------------------|-------------------------|-------------------------|
| 3.0% 0.2281lx 0.0212fc | 5.0% 0.3801lx 0.0353fc | 10.0% 0.7603lx 0.0706fc |
| 30.0% 2.2808lx 0.2119fc | 40.0% 3.0411lx 0.2825fc | 50.0% 3.8014lx 0.3532fc |
| 60.0% 4.5617lx 0.4238fc | 70.0% 5.3220lx 0.4944fc | 80.0% 6.0822lx 0.5650fc |
| 90.0% 6.8425lx 0.6357fc | | |

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:	2014-04-24	Time:	16:19:07
Other:					

ISOCANDELA Diagram

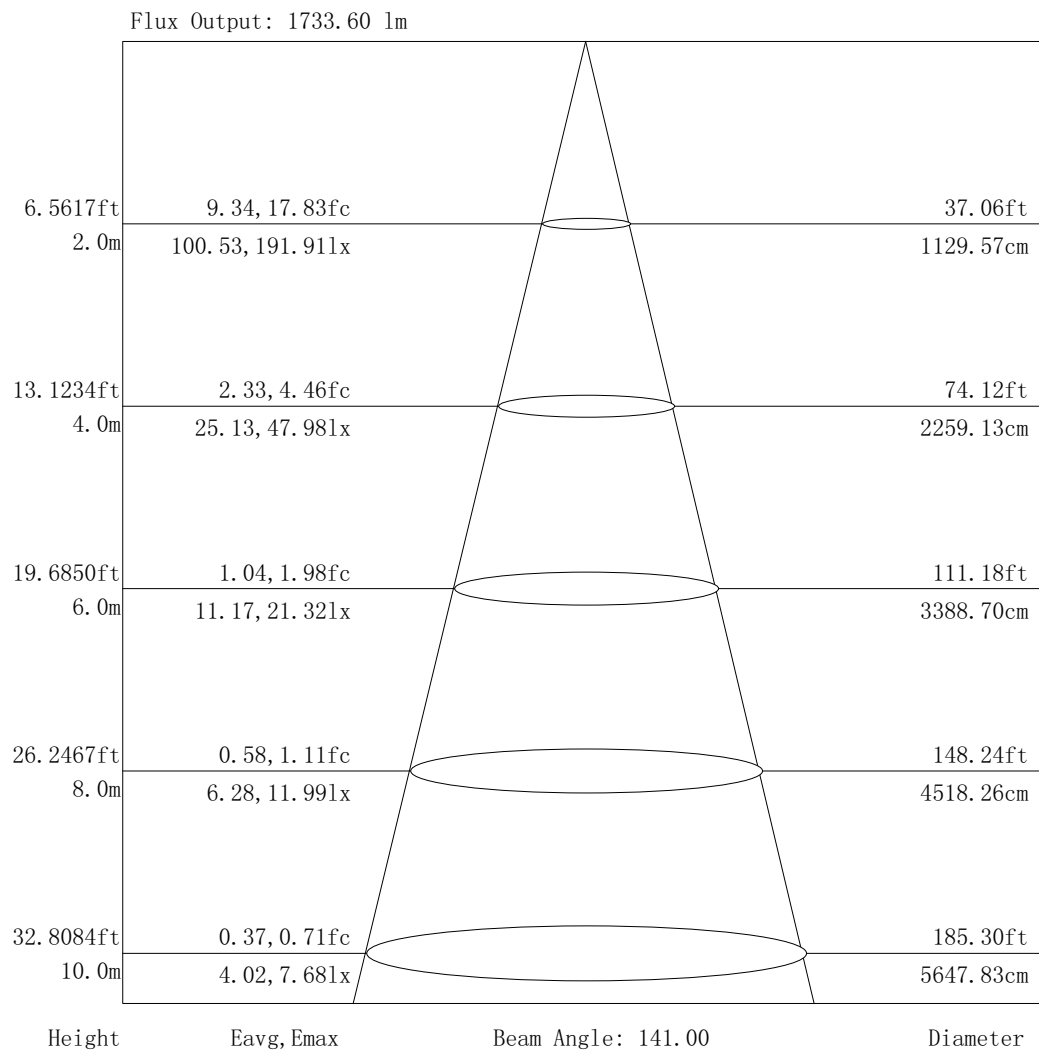
Lamp Description					
Lamp Name:	20W	Lamp Des:		Lamp Weight:	10.000Kg
Manufac:	SLT	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:120.400V I:0.158A P:18.800W Pf:0.9860			LuminareFlux:	1*25.00 lm



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:	2014-04-24	Time:	16:19:07
Other:					

Effective Average Illuminance Diagram

Lamp Description					
Lamp Name:	20W	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:120.400V I:0.158A P:18.800W Pf:0.9860			LuminareFlux:	1*25.00 lm



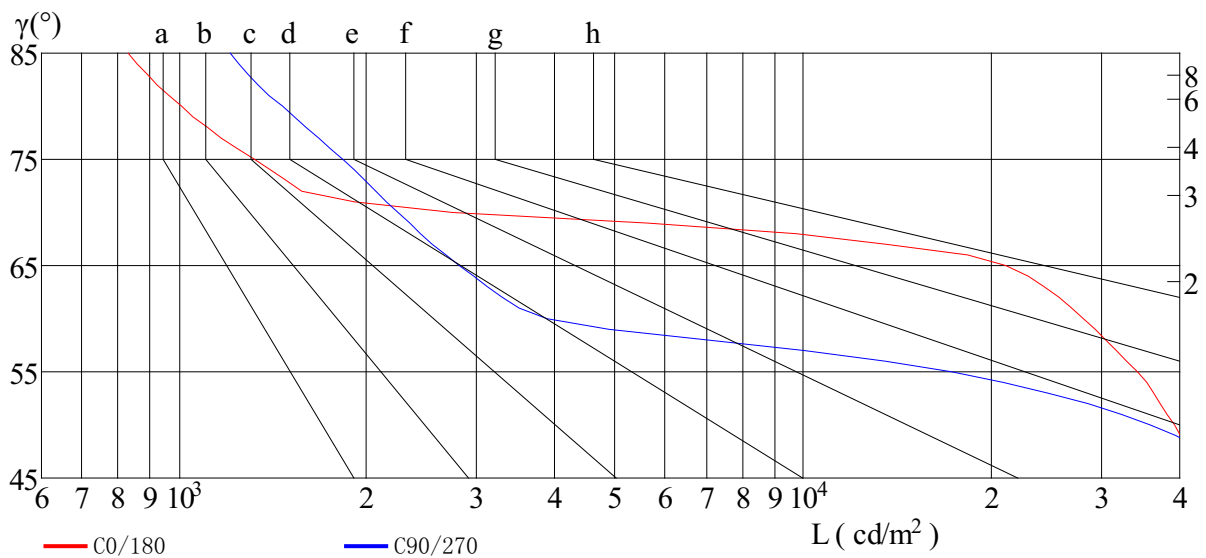
Note: The Curve indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:	2014-04-24	Time:	16:19:07
Other:					

Luminance Limitation Curves

Lamp Description					
Lamp Name:	20W	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:120.400V I:0.158A P:18.800W Pf:0.9860			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	826	1007	1317	2736	21063	28032	34230	39246	43747	cd/m ²
C90	1204	1461	1824	2236	2803	3876	17250	35867	46080	

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: 2014-04-24 Time: 16:19:07
 Other:

Tester

UTILIZATION FACTORS TABLE

Lamp Description					
Lamp Name:	20W	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:120.400V I:0.158A P:18.800W Pf:0.9860			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	62	51	44	61	50	44	60	50	43	37
0.80	73	62	55	72	61	55	70	60	54	47
1.00	82	72	65	80	71	64	78	70	64	57
1.25	89	79	73	87	79	73	84	77	72	65
1.50	93	85	79	92	84	78	89	82	77	70
2.00	100	92	87	98	91	86	94	89	84	77
2.50	103	96	91	101	95	90	97	92	88	80
3.00	106	100	95	103	98	94	100	95	92	84
4.00	109	104	100	107	102	99	102	99	96	87
5.00	111	107	103	108	105	102	104	101	99	89
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:	2014-04-24	Time:	16:19:07
Other:					