

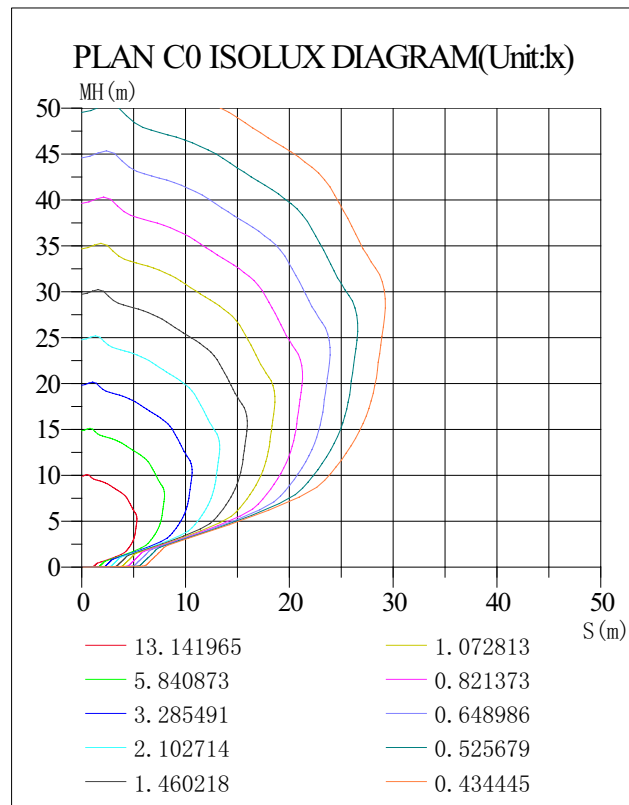
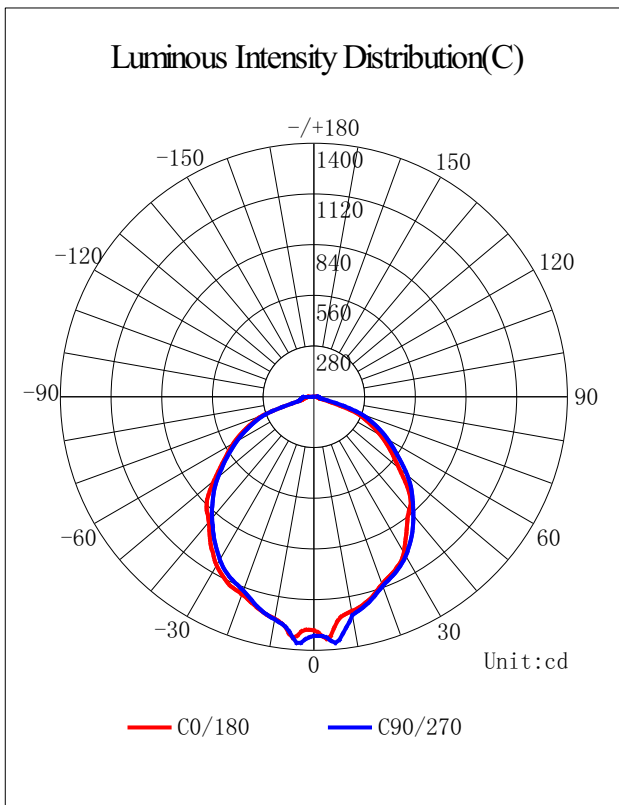


SSP6316-D50: Lamp Space Intensity Distribution

Photometric Data of Luminaire

Lamp Description					
Lamp Name:	30W	Lamp Des:		Lamp Weight:	Kg
Manufac:		Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:121.400V I:0.246A P:29.500W Pf:0.9860			LuminareFlux:	1*25.00 lm

Lamp Test Data			
Lamp Flux:	3213.92 lm	Center Cd.:	1314.2 cd
Max(C, ψ):	(200, 5.0)	Maximum Cd.:	1397.9 cd
BeamAngle(50%):	100.0 Deg	BeamAngle(10%):	147.0 Deg
Flux(0-90):	3213.19 lm(100.0%)	Flux(90-180):	0.7 lm(0.0%)
LuminousEfficacy:	108.95 lm/W	S/MH(C0/180)	1.14
		S/MH(C90/270)	1.17



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: 16:48:57
 Other:

SSP6316-D50: Lamp Space Intensity Distribution

Zonal Flux Diagram

Zonal Flux Diagram:

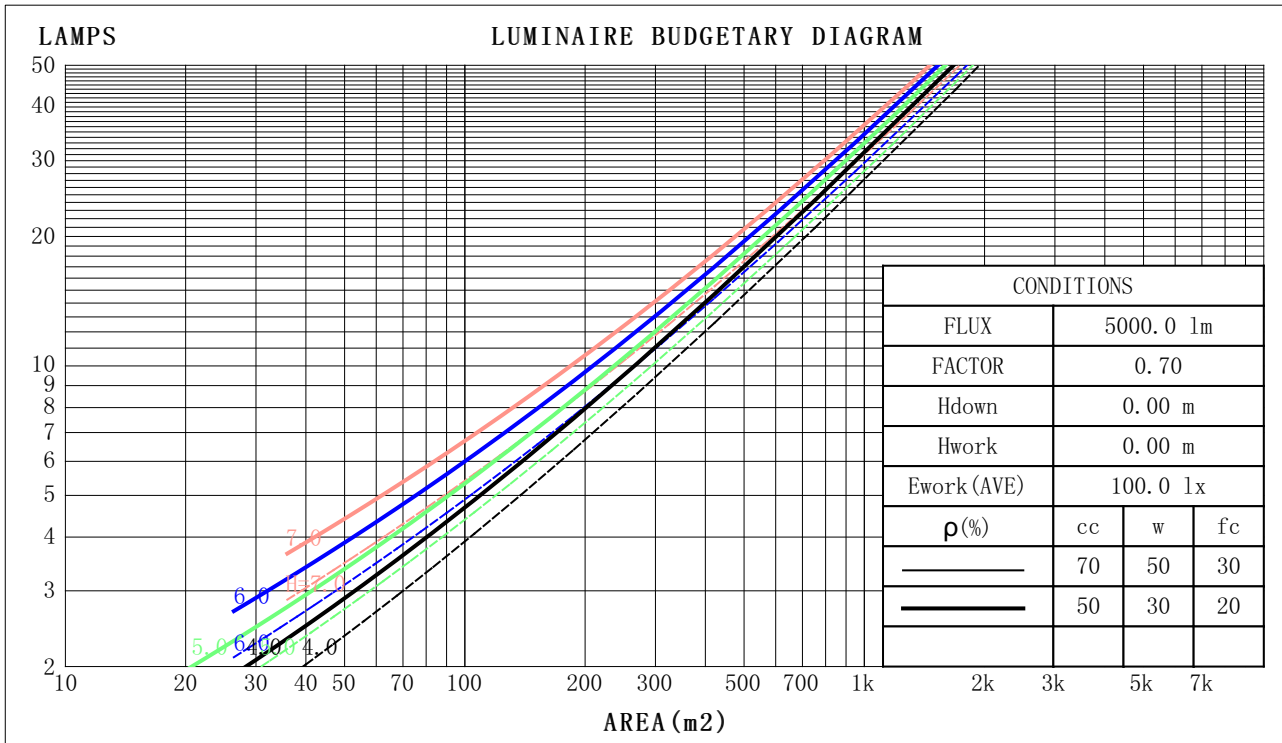
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Fzone	Ftotal	%lamp	%lum
10	1201.6	1214.9	1224.8	1234.8	1244.8	1270.8	1247.7	1224.7	0-10	123.58	123.58	3.85	494.32
20	1102.1	1087.0	1112.1	1137.2	1162.4	1157.7	1139.2	1120.6	10-20	334.58	458.16	14.26	1832.63
30	994.1	984.5	1014.5	1044.4	1074.4	1060.6	1038.5	1016.3	20-30	500.45	958.61	29.83	3834.43
40	817.8	830.3	854.4	878.6	902.7	903.1	874.7	846.3	30-40	593.59	1552.19	48.30	6208.78
50	614.3	649.9	673.3	696.6	720.0	729.4	691.0	652.7	40-50	600.08	2152.28	66.97	8609.11
60	425.6	451.2	471.4	491.6	511.8	525.2	492.0	458.8	50-60	515.52	2667.80	83.01	10671.20
70	215.8	268.6	278.4	288.2	298.0	315.8	282.5	249.2	60-70	379.68	3047.48	94.83	12189.91
80	23.1	24.8	34.6	44.3	54.0	97.4	72.6	47.8	70-80	119.97	3167.45	98.56	12669.79
90	0.0	16.1	20.3	24.5	28.8	0.0	0.0	0.0	80-90	45.74	3213.19	99.98	12852.75
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:	16:48:57
Other:					

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Lamp Description					
Lamp Name:	30W	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:121.400V I:0.246A P:29.500W 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	1.05	1.01	.98	1.03	.99	.96	.99	.96	.93	.95	.92	.90	.91	.89	.87	.85
2.0	.92	.86	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.77	.74	.72
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.74	.69	.65	.72	.67	.64	.61
4.0	.73	.64	.58	.71	.63	.57	.69	.62	.56	.66	.60	.56	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.50	.62	.55	.49	.60	.53	.48	.58	.52	.48	.46
6.0	.59	.50	.44	.58	.49	.43	.56	.49	.43	.54	.48	.43	.53	.47	.42	.40
7.0	.53	.45	.39	.52	.44	.38	.51	.44	.38	.49	.43	.38	.48	.42	.38	.36
8.0	.49	.40	.35	.48	.40	.34	.47	.39	.34	.45	.39	.34	.44	.38	.34	.32
9.0	.45	.37	.31	.44	.36	.31	.43	.36	.31	.42	.35	.31	.41	.35	.31	.29
10.0	.41	.33	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.26



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:	16:48:57
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

WEC AND CCEC

Lamp Description					
Lamp Name:	30W	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:121.400V I:0.246A P:29.500W Pf:0.9860			LuminareFlux:	1*25.00 lm

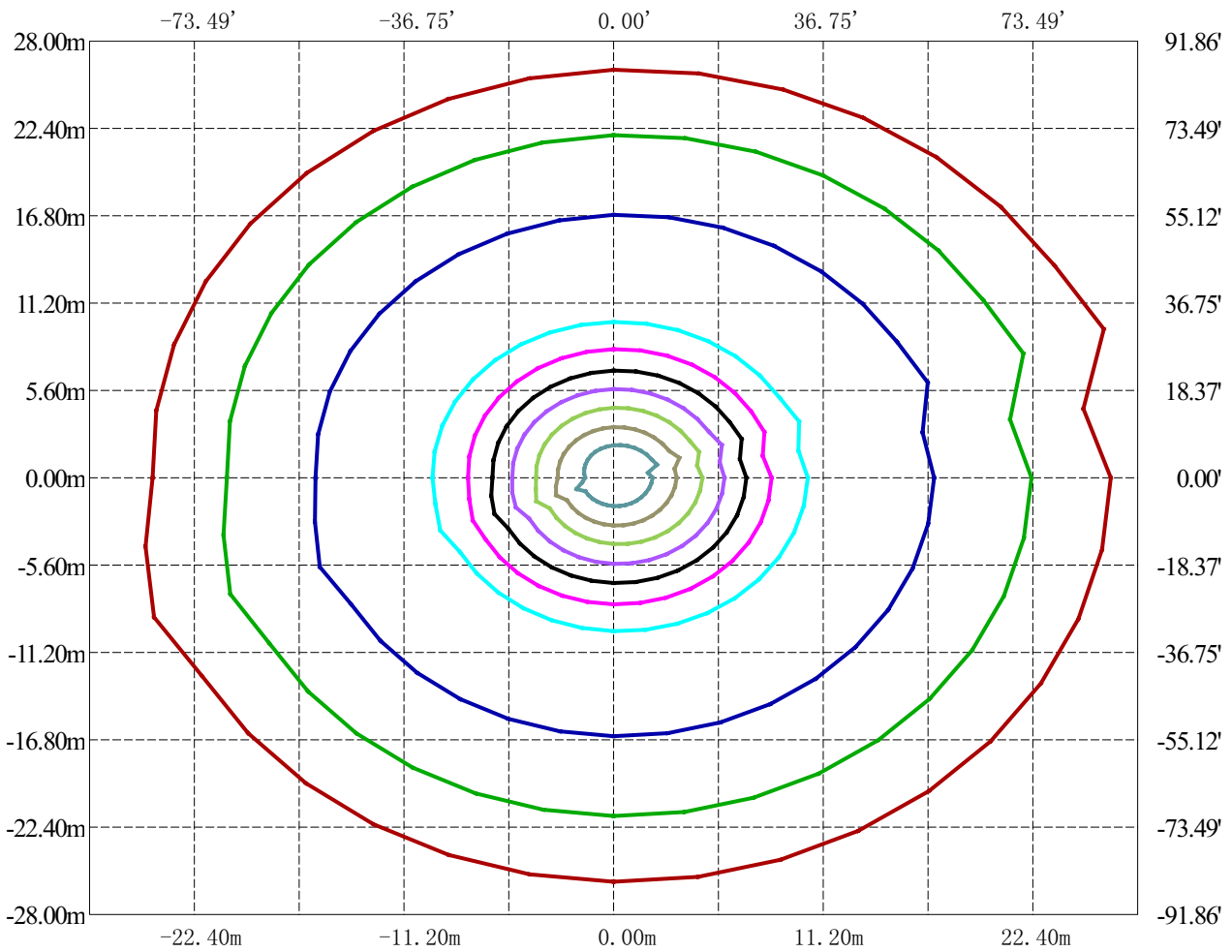
ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Wall Exitance Coefficients(WEC)												
0.0																
1.0	.286	.163	.051	.279	.159	.051	.266	.152	.049	.254	.146	.047	.242	.141	.045	
2.0	.273	.150	.046	.267	.147	.045	.255	.142	.044	.245	.137	.043	.235	.133	.042	
3.0	.256	.136	.041	.250	.134	.040	.240	.130	.040	.231	.126	.039	.222	.123	.038	
4.0	.238	.124	.036	.233	.122	.036	.224	.119	.036	.216	.116	.035	.208	.113	.034	
5.0	.222	.113	.033	.218	.112	.033	.210	.109	.032	.202	.107	.032	.195	.104	.031	
6.0	.207	.104	.030	.203	.103	.030	.196	.100	.029	.189	.098	.029	.183	.096	.029	
7.0	.193	.096	.027	.190	.095	.027	.183	.093	.027	.178	.091	.026	.172	.089	.026	
8.0	.181	.088	.025	.178	.088	.025	.172	.086	.025	.167	.085	.024	.162	.083	.024	
9.0	.170	.082	.023	.167	.082	.023	.162	.080	.023	.157	.079	.023	.153	.078	.022	
10.0	.160	.077	.021	.158	.076	.021	.153	.075	.021	.149	.074	.021	.145	.073	.021	

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	.179	.156	.136	.153	.134	.117	.105	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.170	.132	.100	.145	.114	.087	.100	.079	.060	.057	.046	.035	.018	.015	.012	
3.0	.162	.114	.076	.139	.099	.066	.095	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.154	.101	.060	.132	.087	.052	.091	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.147	.090	.048	.126	.078	.042	.087	.055	.030	.050	.032	.018	.016	.010	.006	
6.0	.140	.082	.040	.120	.071	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.133	.075	.034	.115	.065	.030	.079	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.127	.069	.029	.109	.060	.026	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.121	.064	.026	.104	.056	.022	.072	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.069	.037	.014	.040	.022	.008	.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: 16:48:57
 Other:

ISOLUX Diagram

Lamp Description					
Lamp Name:	30W	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:121.400V I:0.246A P:29.500W Pf:0.9860			LuminareFlux:	1*25.00 lm



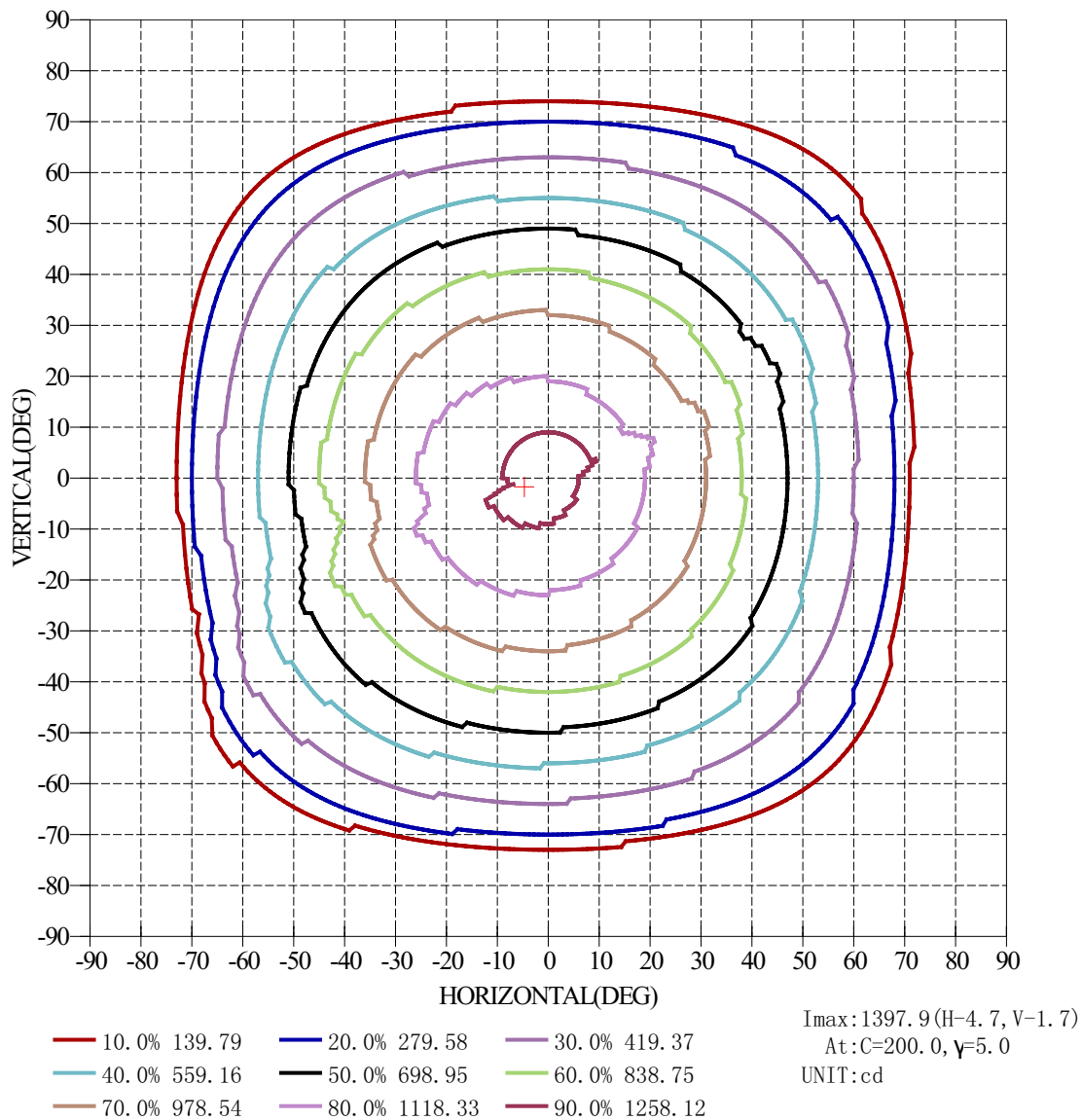
MOUNTING HEIGHT: 10.0m (32.8')

— 3.0% 0.3943lx 0.0366fc	— 5.0% 0.6571lx 0.0610fc	— 10.0% 1.3142lx 0.1221fc
— 30.0% 3.9426lx 0.3663fc	— 40.0% 5.2568lx 0.4884fc	— 50.0% 6.5710lx 0.6104fc
— 60.0% 7.8852lx 0.7325fc	— 70.0% 9.1994lx 0.8546fc	— 80.0% 10.514lx 0.9767fc
— 90.0% 11.828lx 1.0988fc		

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:	16:48:57
Other:					

ISOCANDELA Diagram

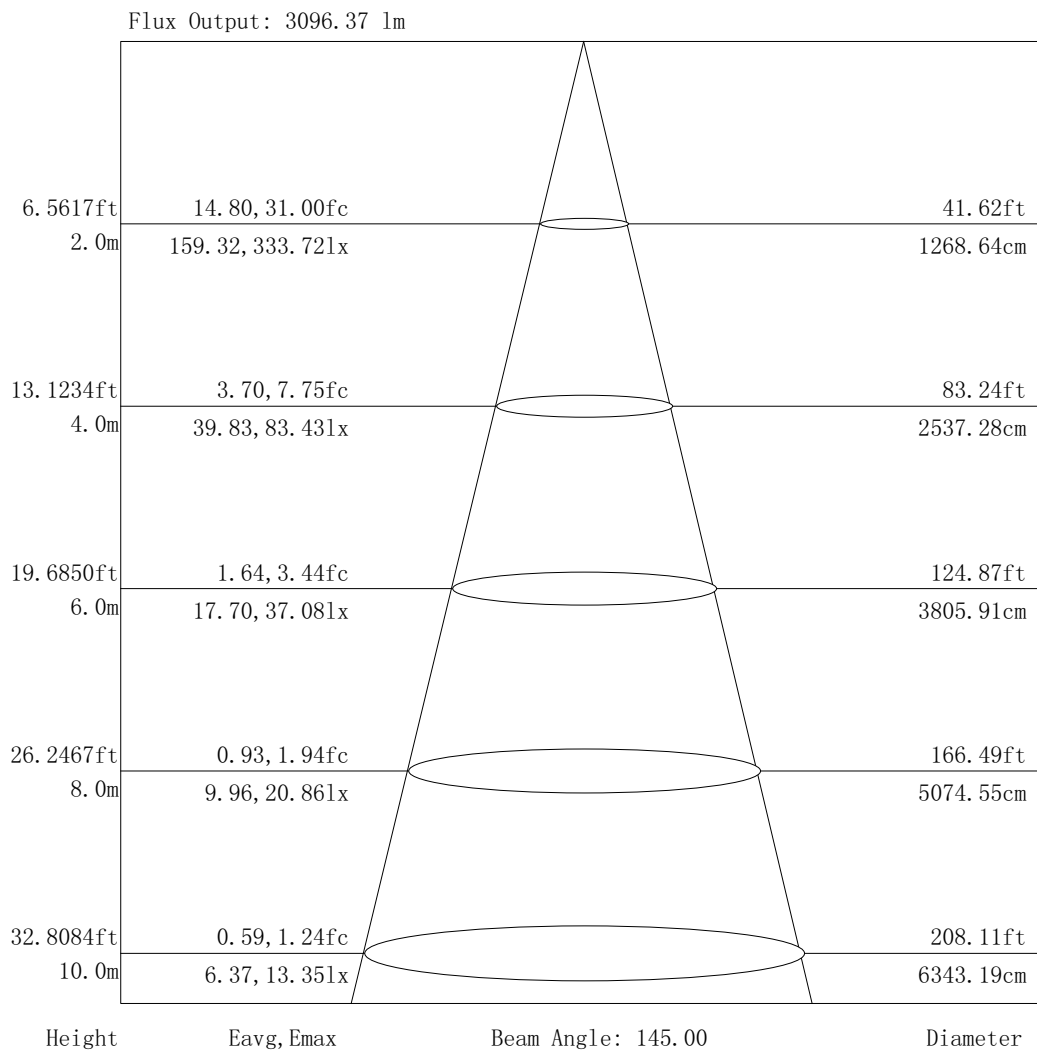
Lamp Description					
Lamp Name:	30W	Lamp Des:		Lamp Weight:	10.000Kg
Manufac:	SLT	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:121.400V I:0.246A P:29.500W Pf:0.9860			LuminareFlux:	1*25.00 lm



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:	16:48:57
Other:					

Effective Average Illuminance Diagram

Lamp Description					
Lamp Name:	30W	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:121.400V I:0.246A P:29.500W Pf:0.9860			LuminareFlux:	1*25.00 lm



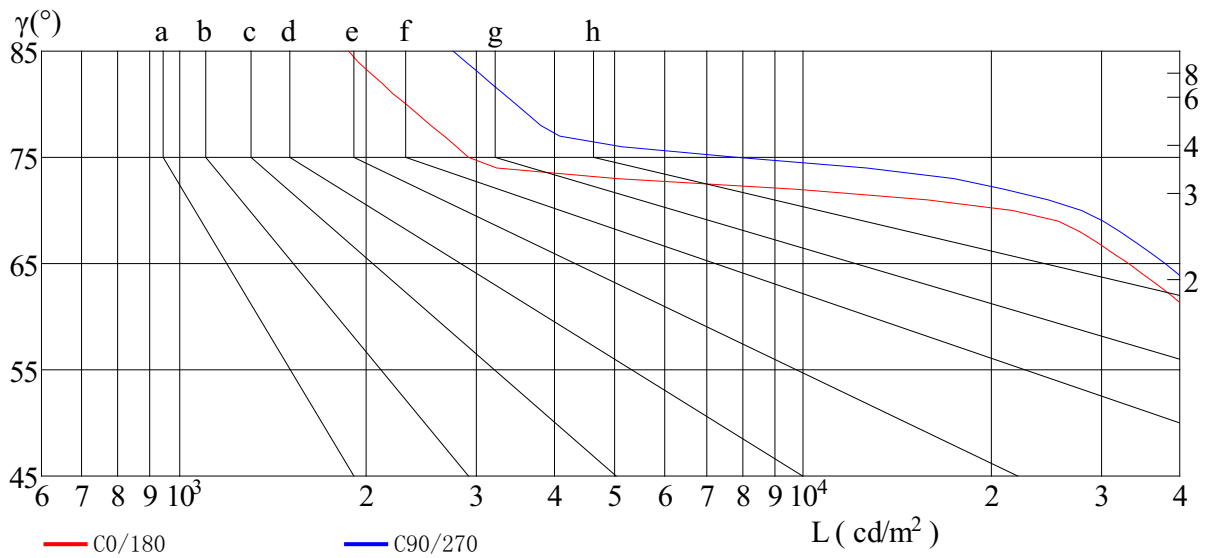
Note: The Curve indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:	16:48:57
Other:					

Luminance Limitation Curves

Lamp Description					
Lamp Name:	30W	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:121.400V I:0.246A P:29.500W 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	1864	2305	2900	21583	33144	42563	51575	61435	74279	cd/m ²
C90	2741	3455	7814	27837	37918	47143	56376	67325	76759	

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:	16:48:57
Other:					

SSP6316-D50: Lamp Space Intensity Distribution Tester

UTILIZATION FACTORS TABLE

Lamp Description					
Lamp Name:	30W	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:121.400V I:0.246A P:29.500W 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	60	48	41	59	48	41	57	47	41	34
0.80	70	59	51	69	58	51	67	57	51	44
1.00	79	68	61	77	67	60	75	66	60	53
1.25	86	76	69	84	75	68	81	73	67	60
1.50	91	81	75	89	80	74	86	78	73	65
2.00	98	90	83	96	88	83	92	86	81	73
2.50	101	94	88	99	93	87	95	90	85	77
3.00	104	98	93	102	96	92	98	93	89	81
4.00	108	103	99	106	101	97	101	98	94	85
5.00	110	106	102	108	104	101	103	100	98	88
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: 16:48:57
 Other: