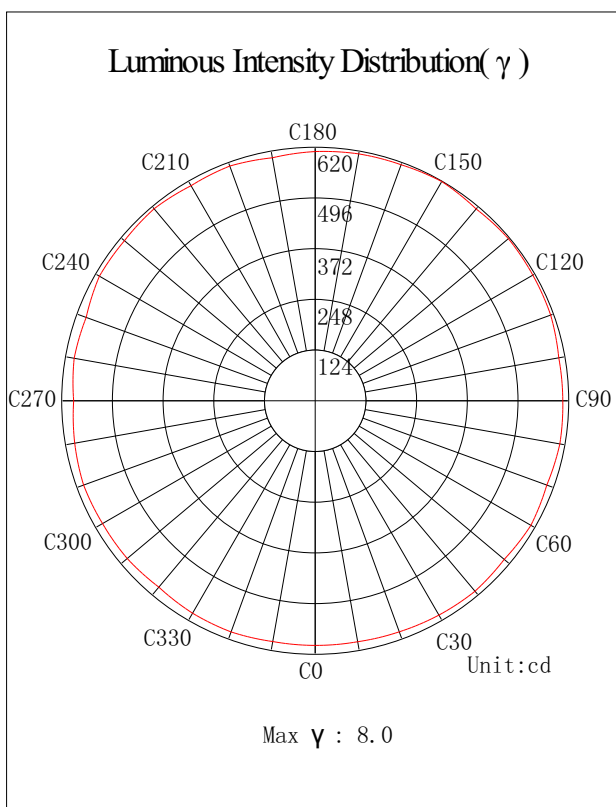
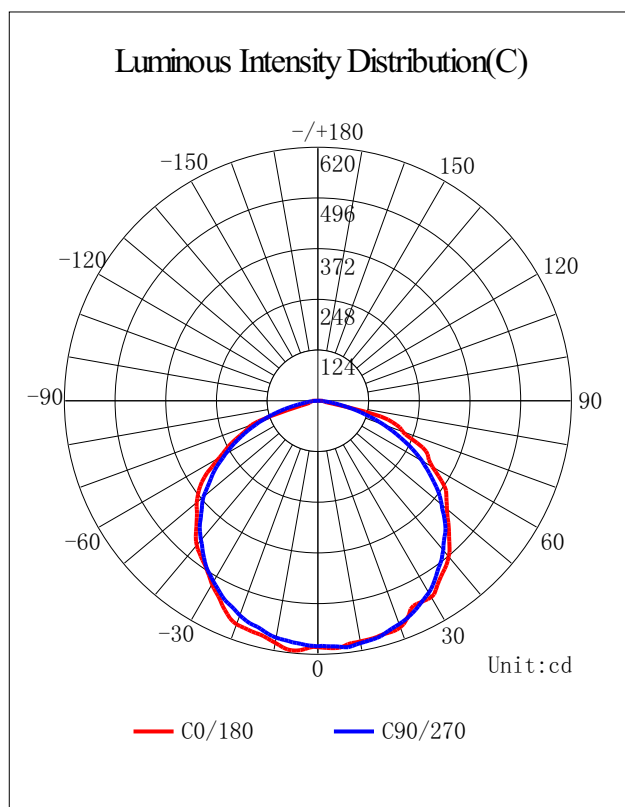


SSP6316-D50: Lamp Space Intensity Distribution

Photometric Data of Luminaire

Lamp Description					
Lamp Name:	T8-18W	Lamp Des:		Lamp Weight:	0.000Kg
Manufac:	Benory	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:229.800V I:0.078A P:17.300W Pf:0.9630			LuminareFlux:	1*0.00 lm

Lamp Test Data			
Lamp Flux:	1840.35 lm	Center Cd.:	603.3 cd
Max(C, γ):	(150, 8.0)	Maximum Cd.:	619.0 cd
BeamAngle(50%):	120.0 Deg	BeamAngle(10%):	162.0 Deg
Flux(0-90):	1840.10 lm(100.0%)	Flux(90-180):	0.2 lm(0.0%)
LuminousEfficacy:	106.38 lm/W		



C Angle Range:	0-360Deg	γ Range:	0-90Deg	Test No.:	NO
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	peng
Distance:	5.000 m	Date:	2014-08-06	Time:	17:08:27
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	597.5	601.0	601.6	614.8	601.0	605.7	588.1	593.8	0-10	57.76	57.76	3.14	3.14
20	589.4	586.9	581.3	577.6	581.8	567.2	558.4	574.5	10-20	167.11	224.87	12.22	12.22
30	554.5	549.4	542.3	545.0	518.3	528.2	510.8	535.9	20-30	257.98	482.85	26.24	26.24
40	497.3	500.2	477.3	466.1	460.9	445.6	445.0	479.4	30-40	317.15	799.99	43.47	43.47
50	411.7	425.3	395.5	387.4	386.9	372.1	365.8	406.1	40-50	336.47	1136.46	61.76	61.76
60	323.5	325.9	294.5	298.5	277.9	283.6	261.8	302.1	50-60	311.61	1448.08	78.69	78.69
70	220.8	228.1	172.1	179.8	172.7	157.9	153.1	206.2	60-70	241.80	1689.88	91.83	91.83
80	21.8	107.5	52.8	30.5	17.7	20.0	42.0	97.0	70-80	126.54	1816.41	98.70	98.70
90	0.0	5.5	5.8	4.6	10.1	5.3	0.0	4.8	80-90	23.69	1840.10	99.99	99.99
DEG	LUMINOUS INTENSITY:cd									UNIT:lm			

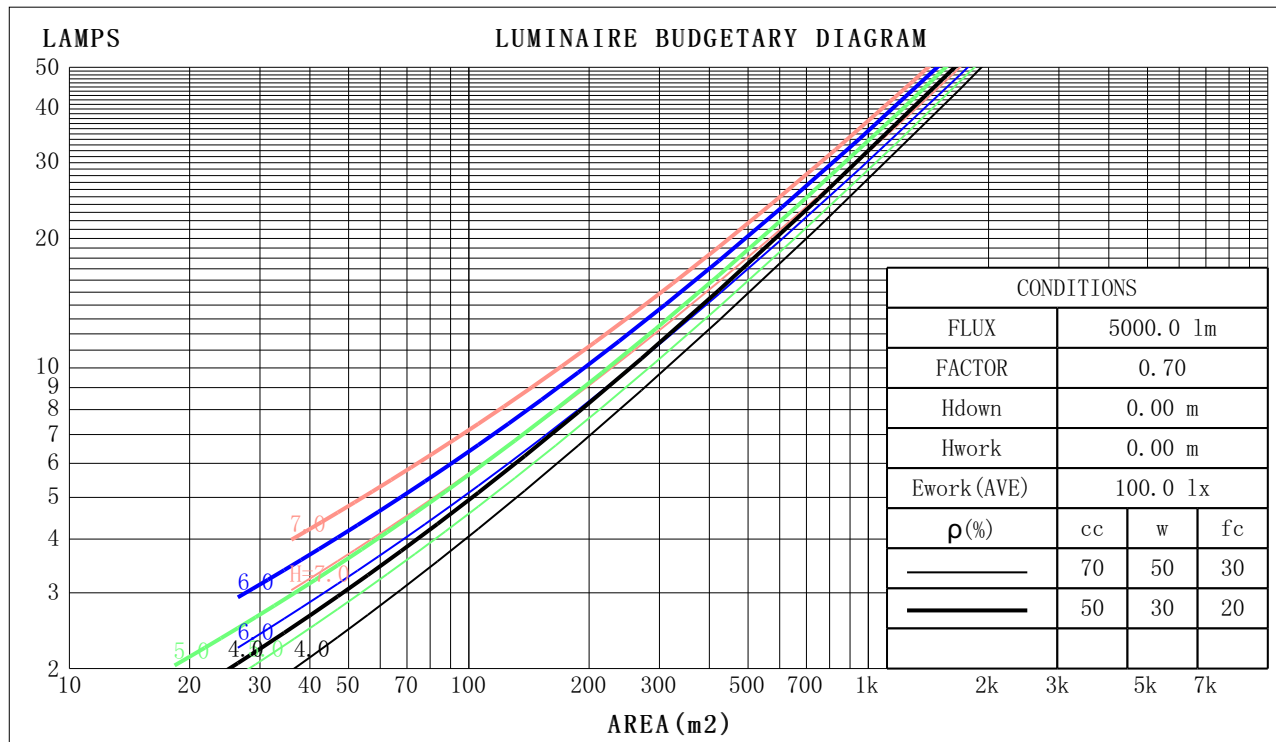
C Angle Range:	0-360Deg	γ Range:	0-90Deg	Test No. :	NO
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	peng
Distance:	5.000 m	Date:	2014-08-06	Time:	17:08:27
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Lamp Description					
Lamp Name:	T8-18W	Lamp Des:		Lamp Weight:	0.000Kg
Manufac:		Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:229.800V I:0.078A P:17.300W Pf:0.9630			LuminareFlux:	1*0.00 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	1.04	1.00	.96	1.02	.98	.94	.98	.94	.91	.94	.91	.89	.90	.88	.86	.84
2.0	.90	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.70
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.62	.56	.52	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.50	.45	.55	.49	.45	.43
6.0	.56	.47	.40	.55	.46	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.25	.37	.30	.25	.36	.30	.25	.23



C Angle Range: 0-360Deg γ Range: 0-90Deg Test No.: NO
 C Precious: 10 Deg γ Precious: 1 Deg Tester: peng
 Distance: 5.000 m Date: 2014-08-06 Time: 17:08:27
 Other:



SSP6316-D50: Lamp Space Intensity Distribution

WEC AND CCEC

Lamp Description					
Lamp Name:	T8-18W	Lamp Des:		Lamp Weight:	0.000Kg
Manufac:		Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:229.800V I:0.078A P:17.300W Pf:0.9630			LuminareFlux:	1*0.00 lm

p _{cc}	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)															
0.0																
1.0	.306	.174	.055	.299	.171	.054	.286	.164	.052	.274	.158	.051	.263	.152	.049	
2.0	.292	.160	.049	.285	.157	.048	.274	.152	.047	.263	.147	.046	.253	.143	.045	
3.0	.271	.144	.043	.266	.142	.043	.255	.138	.042	.246	.135	.041	.237	.131	.041	
4.0	.251	.130	.038	.246	.129	.038	.237	.125	.037	.228	.122	.037	.220	.120	.036	
5.0	.232	.118	.034	.228	.117	.034	.219	.114	.034	.212	.112	.033	.205	.109	.033	
6.0	.215	.108	.031	.211	.107	.031	.204	.105	.030	.197	.102	.030	.191	.100	.030	
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.093	.027	
8.0	.187	.091	.026	.184	.091	.026	.178	.089	.025	.173	.087	.025	.167	.086	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.158	.080	.023	
10.0	.165	.079	.022	.162	.078	.022	.158	.077	.022	.153	.076	.022	.149	.075	.021	

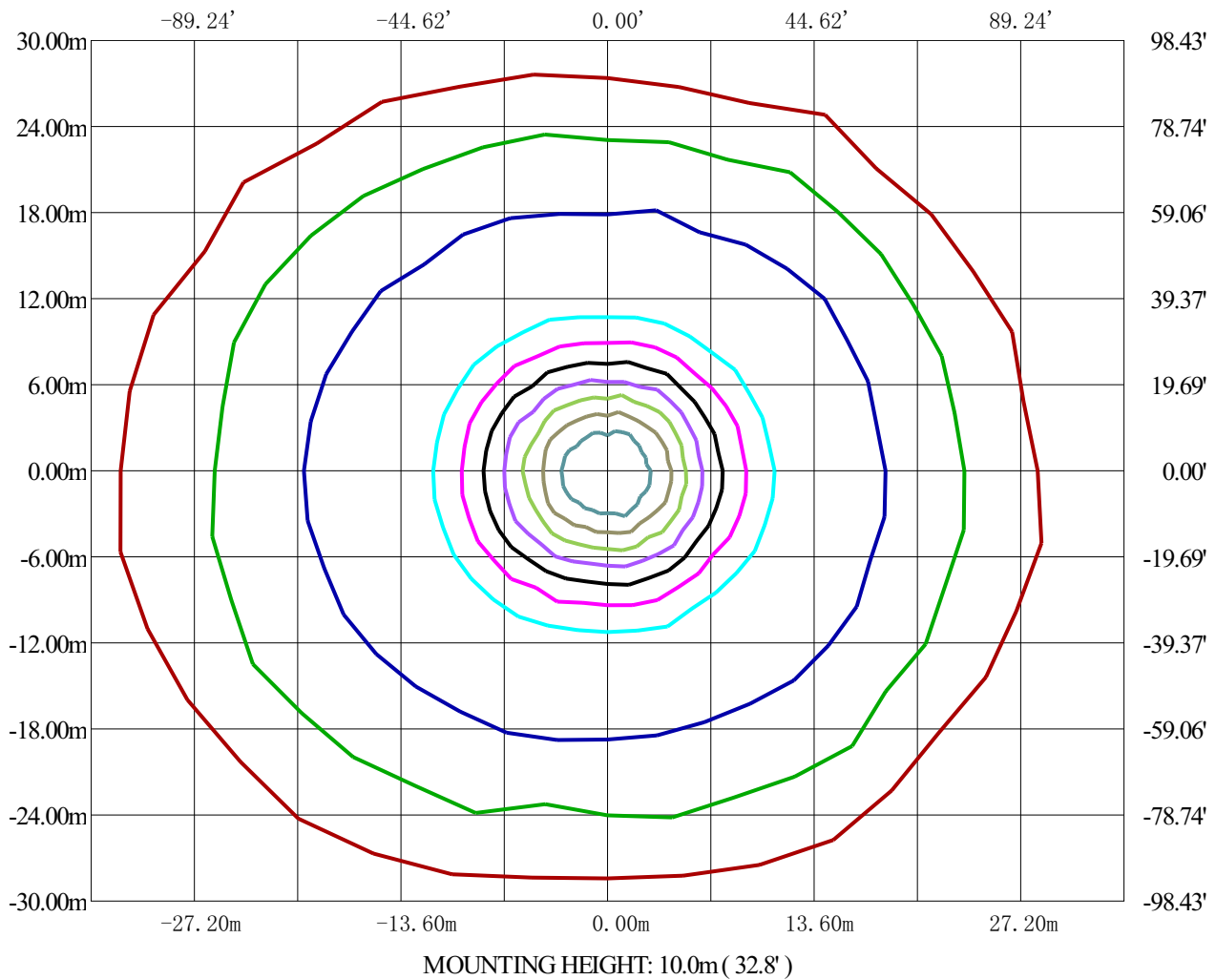
ρ _{cc}	80%			70%			50%			30%			10%			0
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.156	.135	.154	.134	.116	.105	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.172	.132	.098	.148	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.165	.114	.074	.141	.099	.064	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.050	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.051	.032	.017	.017	.010	.006	
6.0	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.015	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.074	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.118	.060	.022	.101	.052	.019	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Angle Range: 0-360Deg γ Range: 0-90Deg Test No.: NO
 C Precious: 10 Deg γ Precious: 1 Deg Tester: peng
 Distance: 5.000 m Date: 2014-08-06 Time: 17:08:27
 Other:

SSP6316-D50: Lamp Space Intensity Distribution

ISOLUX Diagram

Lamp Description					
Lamp Name:	T8-18W	Lamp Des:		Lamp Weight:	0.000Kg
Manufac:		Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:229.800V I:0.078A P:17.300W Pf:0.9630			LuminareFlux:	1*0.00 lm



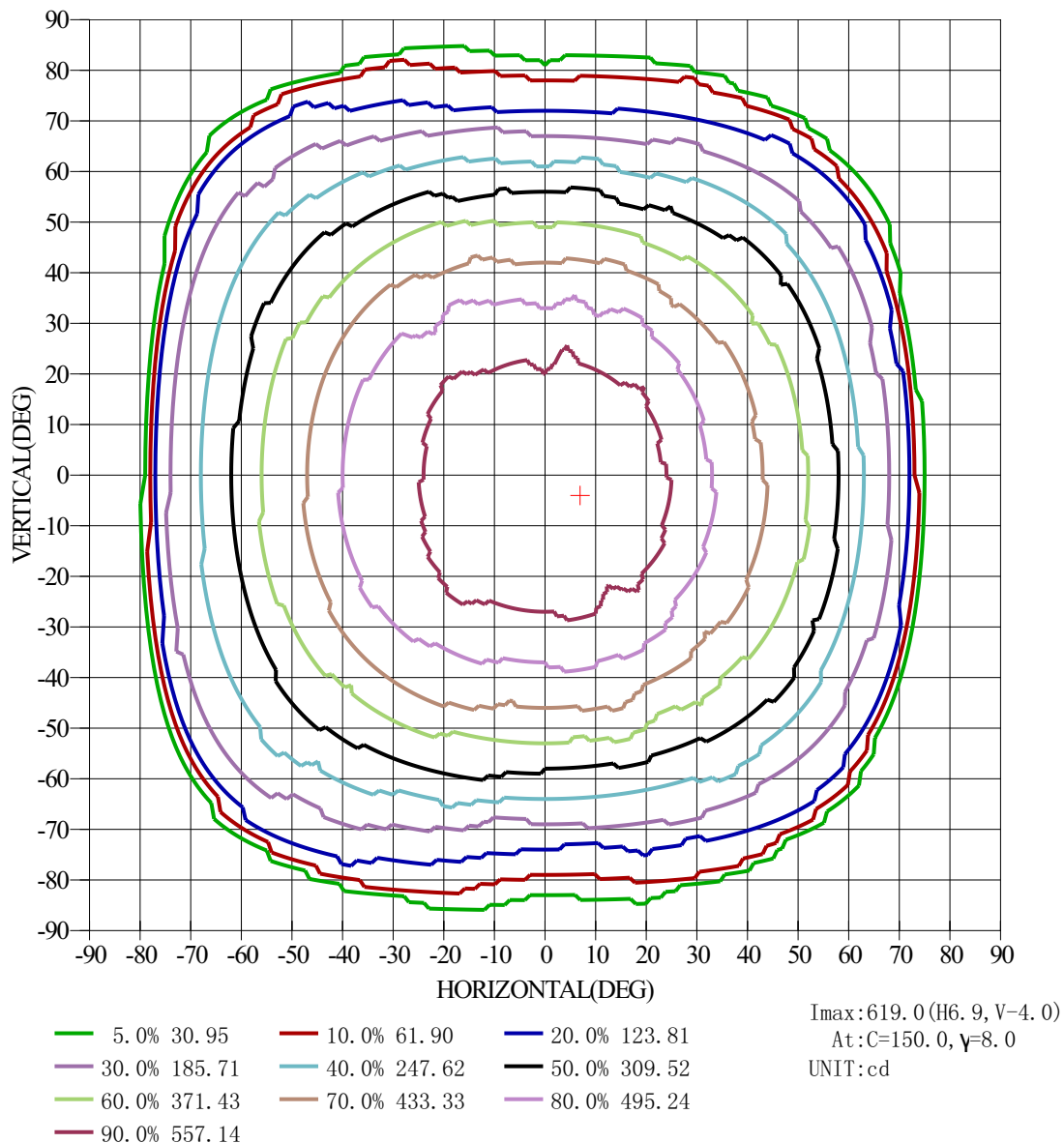
3.0% 0.1810lx 0.0168fc	5.0% 0.3017lx 0.0280fc	10.0% 0.6033lx 0.0560fc
30.0% 1.8099lx 0.1681fc	40.0% 2.4132lx 0.2242fc	50.0% 3.0165lx 0.2802fc
60.0% 3.6198lx 0.3363fc	70.0% 4.2231lx 0.3923fc	80.0% 4.8264lx 0.4484fc
90.0% 5.4298lx 0.5044fc		

C Angle Range:	0-360Deg	γ Range:	0-90Deg	Test No. :	NO
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	peng
Distance:	5.000 m	Date:	2014-08-06	Time:	17:08:27
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

ISOCANDELA Diagram

Lamp Description					
Lamp Name:	T8-18W	Lamp Des:		Lamp Weight:	0.000Kg
Manufac:		Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:229.800V I:0.078A P:17.300W Pf:0.9630			LuminareFlux:	1*0.00 lm

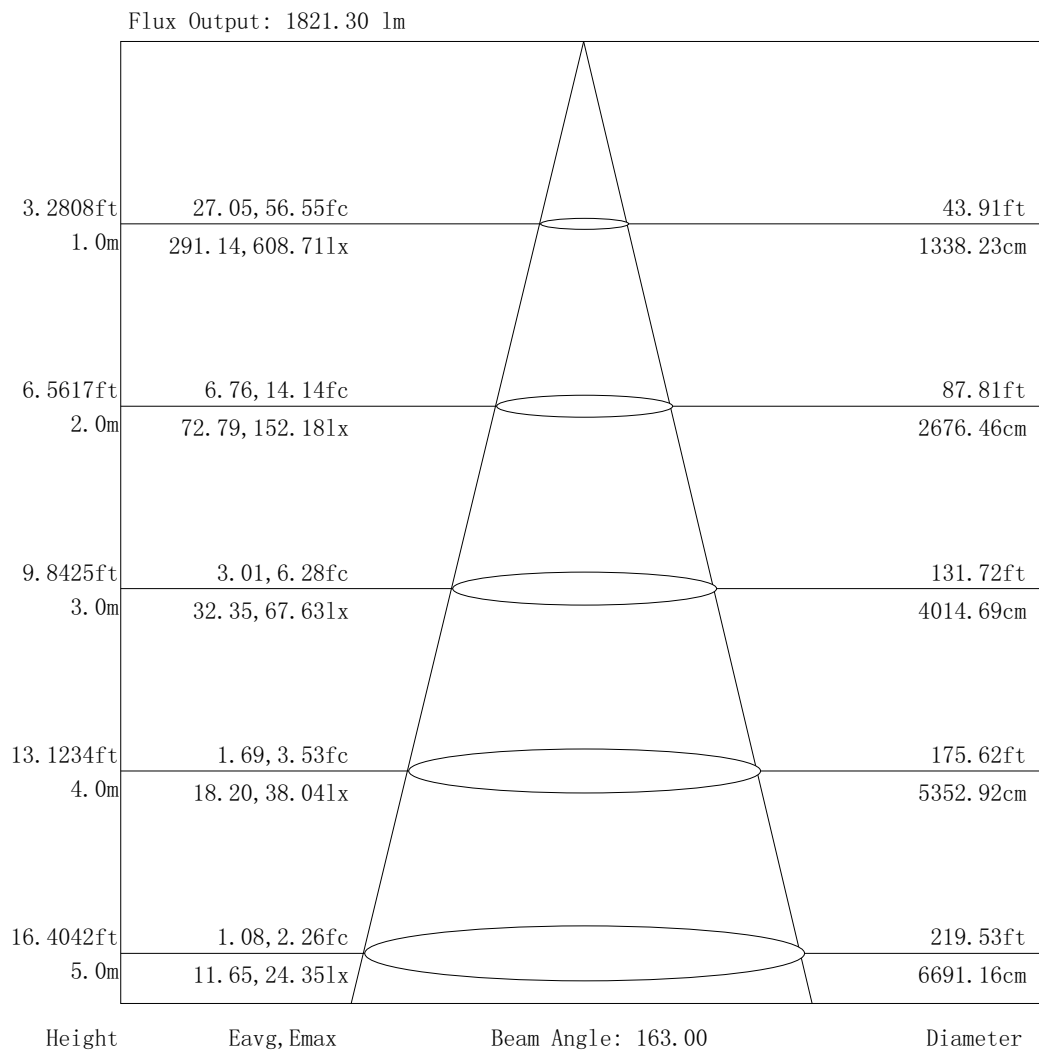


C Angle Range:	0-360Deg	γ Range:	0-90Deg	Test No.:	NO
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	peng
Distance:	5.000 m	Date:	2014-08-06	Time:	17:08:27
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Effective Average Illuminance Diagram

Lamp Description					
Lamp Name:	T8-18W	Lamp Des:		Lamp Weight:	0.000Kg
Manufac:		Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:229.800V I:0.078A P:17.300W Pf:0.9630			LuminareFlux:	1*0.00 lm



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

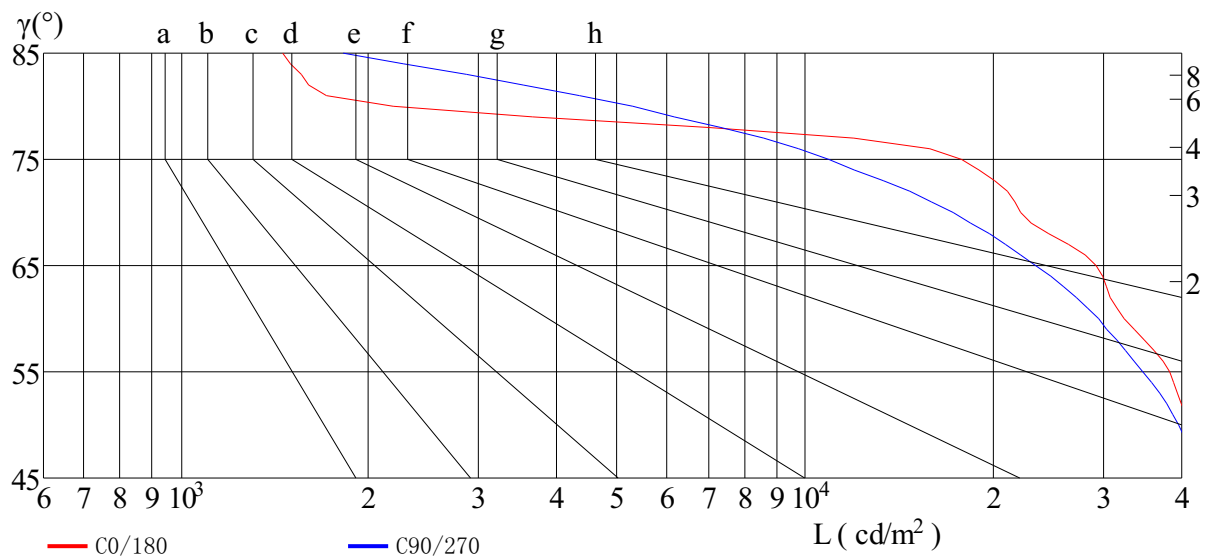
C Angle Range:	0-360Deg	γ Range:	0-90Deg	Test No. :	NO
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	peng
Distance:	5.000 m	Date:	2014-08-06	Time:	17:08:27
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Luminance Limitation Curves

Lamp Description					
Lamp Name:	T8-18W	Lamp Des:		Lamp Weight:	0.000Kg
Manufac:		Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:229.800V I:0.078A P:17.300W Pf:0.9630			LuminareFlux:	1*0.00 lm

GLARE	CLASS	ILLUMINANCE (lx)							
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	1450	2180	17746	22079	29166	32346	38264	41171	45353	cd/m2
C90	1813	5278	10873	17210	23330	29446	34645	39545	44158	

C Angle Range: 0-360Deg γ Range: 0-90Deg Test No.: NO
 C Precious: 10 Deg γ Precious: 1 Deg Tester: peng
 Distance: 5.000 m Date: 2014-08-06 Time: 17:08:27
 Other:

SSP6316-D50: Lamp Space Intensity Distribution Tester

UTILIZATION FACTORS TABLE

Lamp Description					
Lamp Name:	T8-18W	Lamp Des:		Lamp Weight:	0.000Kg
Manufac:		Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:229.800V I:0.078A P:17.300W Pf:0.9630			LuminareFlux:	1*0.00 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) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	37	31
0.80	68	55	48	66	55	47	64	54	47	40
1.00	76	65	57	75	64	57	72	63	56	48
1.25	83	73	65	82	72	65	79	70	64	56
1.50	89	78	71	87	77	71	83	75	69	61
2.00	96	87	80	94	86	80	90	83	78	70
2.50	100	92	86	97	90	85	93	87	83	74
3.00	103	96	91	101	95	90	96	91	87	78
4.00	107	101	97	104	100	95	100	96	93	83
5.00	109	105	101	107	103	99	102	99	96	86
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.:	NO
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	peng
Distance:	5.000 m	Date:	2014-08-06	Time:	17:08:27
Other:					