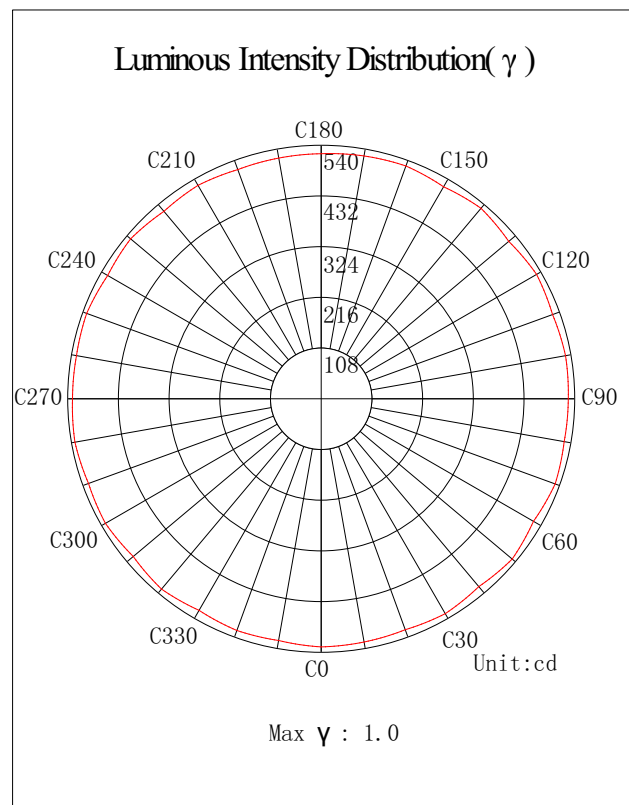
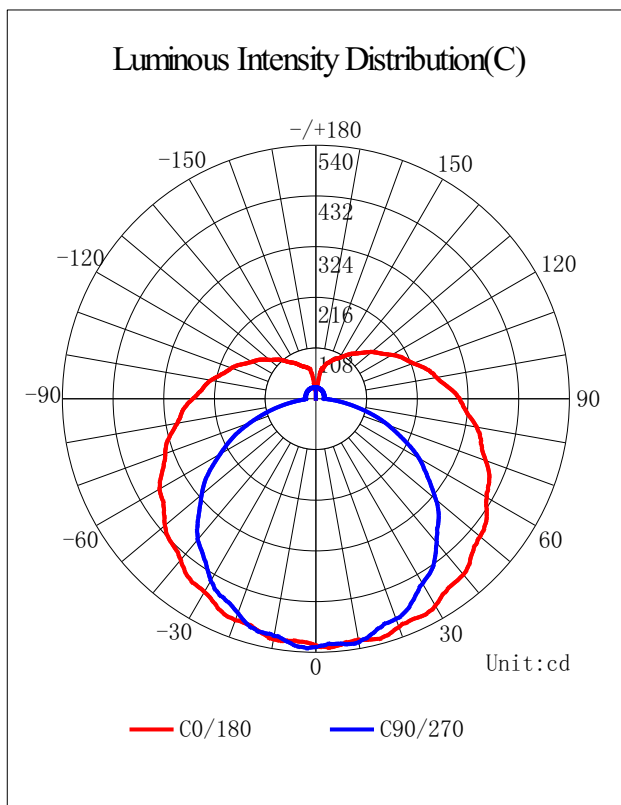


SSP6316-D50: Lamp Space Intensity Distribution

Photometric Data of Luminaire

Lamp Description					
Lamp Name:	SLT822P450-S	Lamp Des:	Test	Lamp Weight:	0.010Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:278.100V I:0.084A P:21.800W			LuminareFlux:	1*2850.00 lm

Lamp Test Data			
Lamp Flux:	2806.37 lm	Center Cd.:	525.7 cd
Max(C, γ):	(280, 1.0)	Maximum Cd.:	532.7 cd
BeamAngle(50%):	187.0 Deg	BeamAngle(10%):	342.0 Deg
Flux(0-90):	2122.31 lm(75.6%)	Flux(90-180):	684.1 lm(24.4%)
LuminousEfficacy:	128.73 lm/W		



C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	3.000 m	Date:	2016-05-31	Time:	20:14:24
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	521.3	523.5	526.4	518.1	520.1	516.4	512.7	520.8	0-10	49.92	49.92	1.78	1.76
20	517.5	508.8	498.9	498.8	501.7	495.5	485.6	504.1	10-20	144.79	194.71	6.94	6.84
30	508.8	482.3	454.4	468.2	475.1	463.6	447.7	476.3	20-30	225.47	420.18	14.98	14.75
40	488.8	445.1	400.3	428.6	447.9	423.5	391.7	437.7	30-40	284.33	704.51	25.11	24.72
50	456.5	401.2	333.4	381.3	419.7	378.5	317.5	393.3	40-50	316.71	1021.22	36.39	35.84
60	420.3	352.5	253.8	330.9	384.5	329.3	235.2	345.0	50-60	321.53	1342.74	47.85	47.12
70	384.8	303.4	163.9	280.2	341.5	279.8	148.9	295.2	60-70	301.71	1644.46	58.60	57.71
80	348.0	255.3	76.3	233.1	299.6	232.3	63.8	245.6	70-80	263.84	1908.29	68.00	66.96
90	306.3	198.4	18.6	179.7	262.2	182.6	21.2	190.4	80-90	214.01	2122.31	75.63	74.47
100	261.1	165.8	18.0	147.0	227.0	150.5	21.7	159.8	90-100	170.39	2292.70	81.70	80.45
110	220.8	139.6	18.7	121.2	191.2	126.1	22.4	137.4	100-110	142.24	2434.93	86.77	85.44
120	186.8	122.9	19.5	105.4	157.2	108.9	23.2	121.4	110-120	116.36	2551.29	90.92	89.52
130	155.3	106.5	20.2	90.8	129.0	93.5	23.8	106.6	120-130	91.51	2642.80	94.18	92.73
140	125.4	92.5	21.4	77.6	105.9	78.8	24.1	93.8	130-140	68.64	2711.44	96.62	95.14
150	100.8	81.8	22.4	62.4	87.1	61.9	24.2	83.7	140-150	47.61	2759.05	98.32	96.81
160	82.7	74.0	23.0	51.7	72.5	50.7	24.3	74.7	150-160	29.57	2788.61	99.37	97.85
170	60.7	50.7	23.3	41.9	56.9	41.5	24.4	50.4	160-170	14.79	2803.40	99.90	98.37
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170-180	2.97	2806.37	100.00	98.47
DEG	LUMINOUS INTENSITY:cd									UNIT:lm			

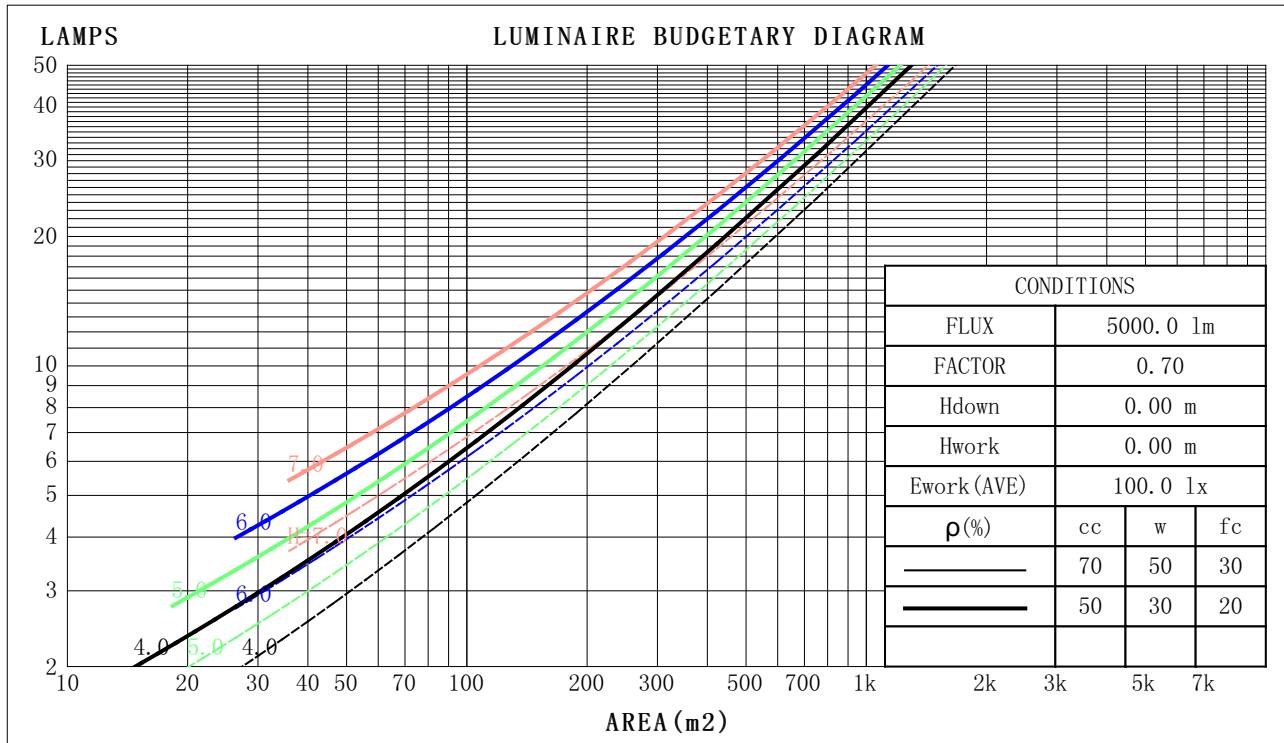
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No. :	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	3.000 m	Date:	2016-05-31	Time:	20:14:24
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Lamp Description					
Lamp Name:	SLT822P450-S	Lamp Des:	Test	Lamp Weight:	0.010Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:278.100V I:0.084A P:21.800W			LuminareFlux:	1*2850.00 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	1.13	1.13	1.13	1.08	1.08	1.08	.98	.98	.98	.88	.88	.88	.80	.80	.80	.76
1.0	.94	.89	.84	.89	.84	.80	.80	.77	.73	.72	.69	.67	.65	.63	.60	.56
2.0	.80	.72	.66	.76	.69	.63	.69	.63	.58	.62	.57	.53	.55	.51	.48	.45
3.0	.69	.60	.53	.66	.58	.51	.59	.53	.47	.53	.48	.43	.48	.43	.40	.36
4.0	.61	.51	.44	.58	.49	.43	.52	.45	.39	.47	.41	.36	.42	.37	.33	.30
5.0	.54	.44	.37	.51	.43	.36	.46	.39	.34	.42	.36	.31	.38	.33	.28	.26
6.0	.48	.39	.32	.46	.37	.31	.42	.34	.29	.38	.32	.27	.34	.29	.25	.22
7.0	.43	.34	.28	.41	.33	.27	.38	.31	.25	.34	.28	.23	.31	.26	.22	.19
8.0	.39	.31	.25	.38	.30	.24	.34	.27	.22	.31	.25	.21	.28	.23	.19	.17
9.0	.36	.28	.22	.34	.27	.21	.31	.25	.20	.29	.23	.19	.26	.21	.17	.15
10.0	.33	.25	.20	.32	.24	.19	.29	.22	.18	.27	.21	.17	.24	.19	.16	.14



C Angle Range: 0-360Deg γ Range: 0-180Deg Test No.: 001
 C Precious: 10 Deg γ Precious: 1 Deg Tester: QA Shan
 Distance: 3.000 m Date: 2016-05-31 Time: 20:14:24
 Other:



SSP6316-D50: Lamp Space Intensity Distribution

WEC AND CCEC

Lamp Description					
Lamp Name:	SLT822P450-S	Lamp Des:	Test	Lamp Weight:	0.010Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:278.100V I:0.084A P:21.800W			LuminareFlux:	1*2850.00 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	.387	.220	.070	.373	.212	.067	.345	.198	.063	.320	.184	.059	.297	.172	.055	
2.0	.333	.183	.056	.320	.176	.054	.295	.164	.051	.272	.153	.048	.251	.142	.045	
3.0	.296	.157	.047	.284	.152	.046	.261	.141	.043	.240	.132	.040	.221	.122	.038	
4.0	.266	.138	.041	.255	.133	.039	.234	.124	.037	.215	.116	.035	.197	.107	.033	
5.0	.241	.123	.036	.231	.119	.035	.213	.111	.033	.195	.103	.031	.179	.096	.029	
6.0	.221	.111	.032	.212	.107	.031	.195	.100	.029	.179	.093	.027	.164	.086	.026	
7.0	.204	.101	.029	.195	.097	.028	.180	.091	.026	.165	.084	.025	.151	.078	.023	
8.0	.189	.092	.026	.181	.089	.025	.167	.083	.024	.153	.077	.022	.140	.072	.021	
9.0	.176	.085	.024	.169	.082	.023	.155	.077	.022	.143	.072	.020	.131	.066	.019	
10.0	.164	.079	.022	.158	.076	.021	.146	.071	.020	.134	.066	.019	.123	.062	.018	

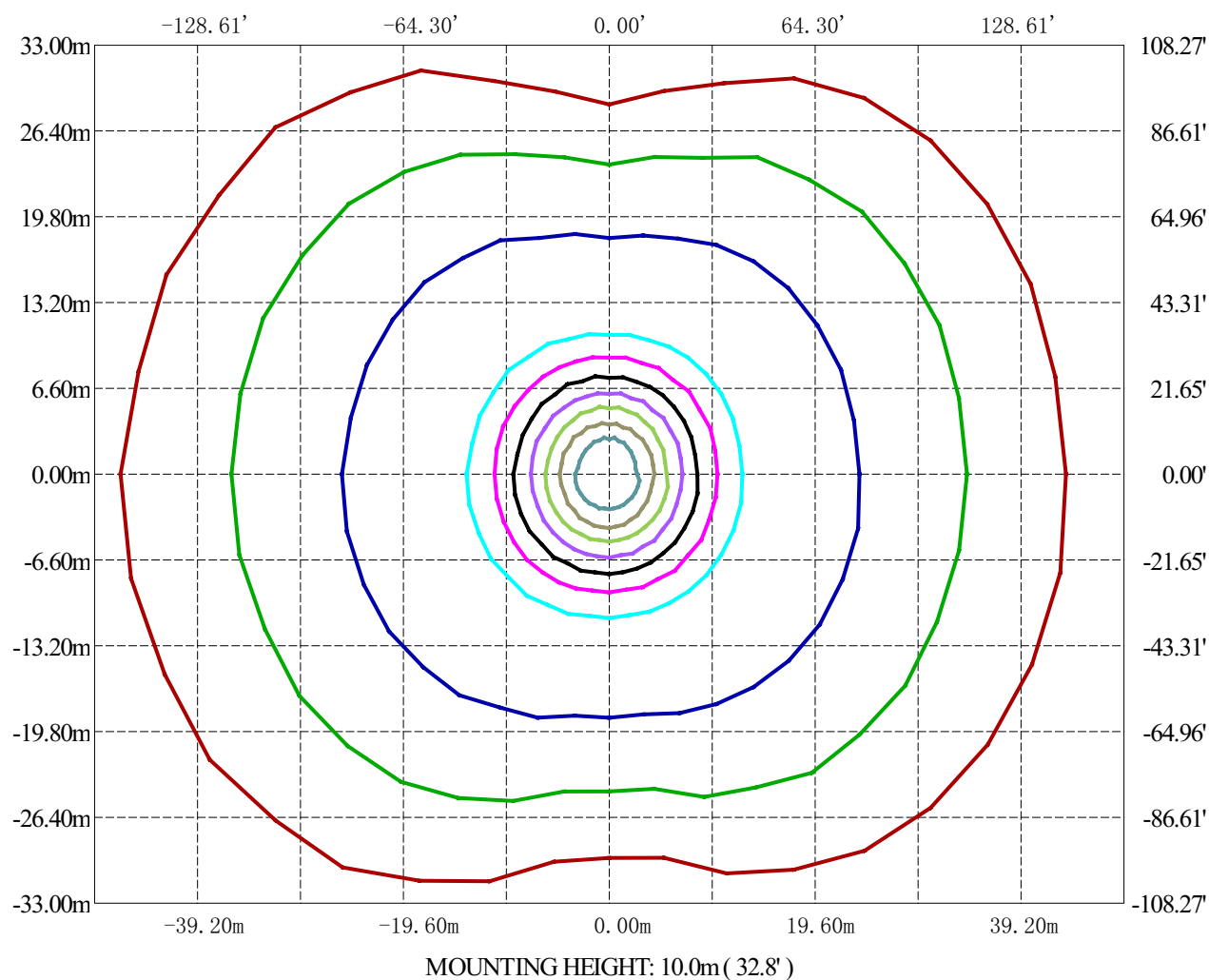
p _{cc}	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.376	.376	.376	.322	.322	.322	.219	.219	.219	.126	.126	.126	.040	.040	.040	
1.0	.373	.343	.316	.319	.294	.272	.218	.202	.188	.126	.117	.109	.040	.038	.035	
2.0	.366	.320	.281	.314	.276	.243	.215	.191	.170	.124	.111	.099	.040	.036	.032	
3.0	.359	.304	.260	.308	.262	.226	.211	.182	.158	.122	.106	.093	.039	.035	.031	
4.0	.351	.292	.246	.301	.252	.214	.207	.176	.151	.120	.103	.089	.039	.034	.029	
5.0	.344	.282	.237	.295	.244	.206	.203	.170	.145	.118	.100	.086	.038	.033	.028	
6.0	.336	.274	.230	.289	.237	.200	.199	.166	.142	.116	.098	.084	.037	.032	.028	
7.0	.329	.268	.225	.283	.232	.196	.196	.163	.139	.114	.096	.083	.037	.031	.027	
8.0	.323	.262	.221	.278	.227	.192	.192	.160	.137	.112	.094	.081	.036	.031	.027	
9.0	.316	.258	.218	.273	.224	.190	.189	.157	.135	.110	.093	.080	.036	.030	.027	
10.0	.311	.253	.215	.268	.220	.188	.186	.155	.134	.108	.092	.080	.035	.030	.026	

C Angle Range: 0-360Deg γ Range: 0-180Deg Test No.: 001
 C Precious: 10 Deg γ Precious: 1 Deg Tester: QA Shan
 Distance: 3.000 m Date: 2016-05-31 Time: 20:14:24
 Other:

SSP6316-D50: Lamp Space Intensity Distribution

ISOLUX Diagram

Lamp Description					
Lamp Name:	SLT822P450-S	Lamp Des:	Test	Lamp Weight:	0.010Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:278.100V I:0.084A P:21.800W			LuminareFlux:	1*2850.00 lm



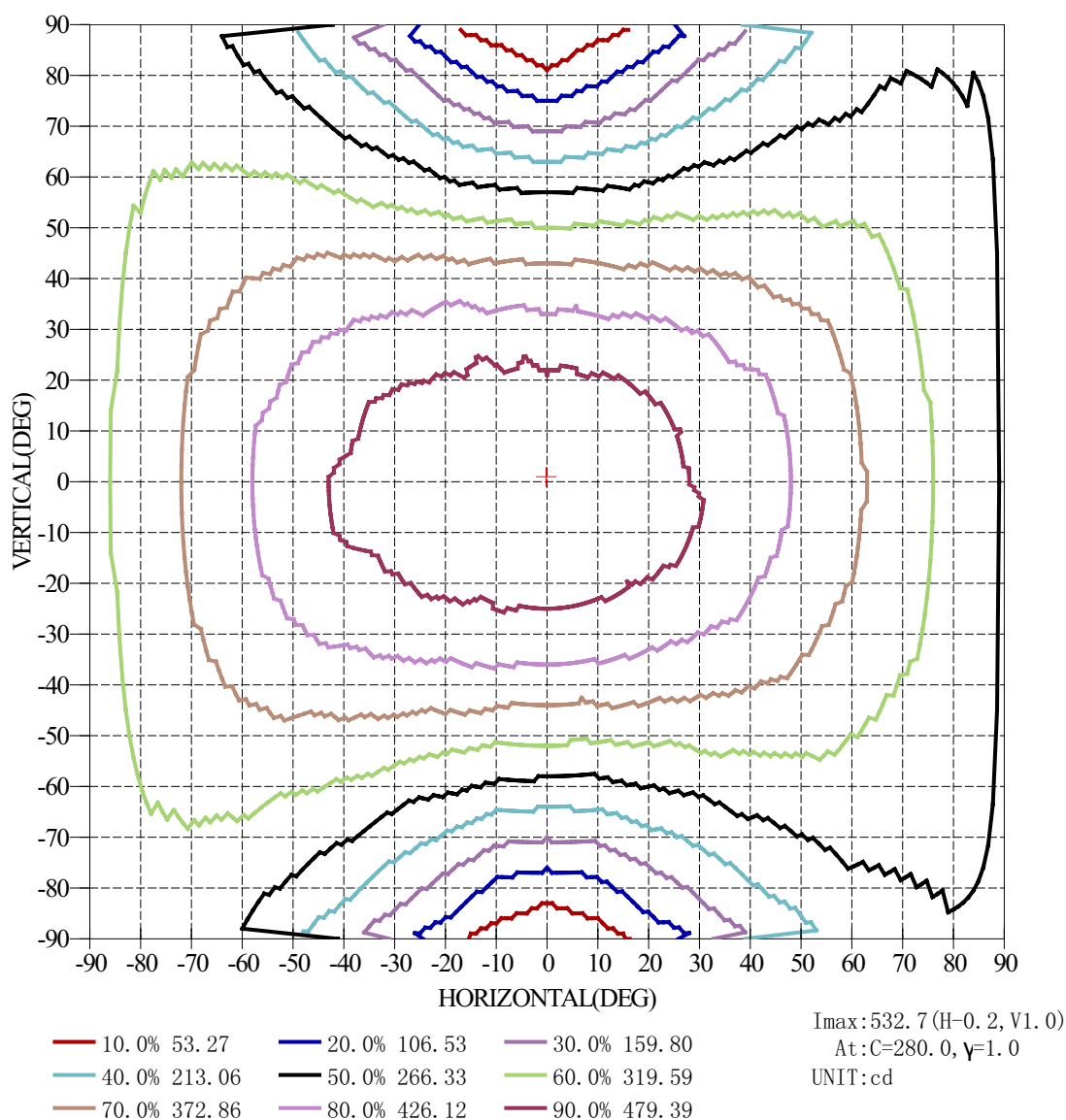
3.0% 0.1577lx 0.0147fc	5.0% 0.2628lx 0.0244fc	10.0% 0.5257lx 0.0488fc
30.0% 1.5771lx 0.1465fc	40.0% 2.1027lx 0.1953fc	50.0% 2.6284lx 0.2442fc
60.0% 3.1541lx 0.2930fc	70.0% 3.6798lx 0.3419fc	80.0% 4.2055lx 0.3907fc
90.0% 4.7312lx 0.4395fc		

C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No. :	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	3.000 m	Date:	2016-05-31	Time:	20:14:24
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

ISOCANDELA Diagram

Lamp Description					
Lamp Name:	SLT822P450-S	Lamp Des:	Test	Lamp Weight:	0.010Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:278.100V I:0.084A P:21.800W			LuminareFlux:	1*2850.00 lm

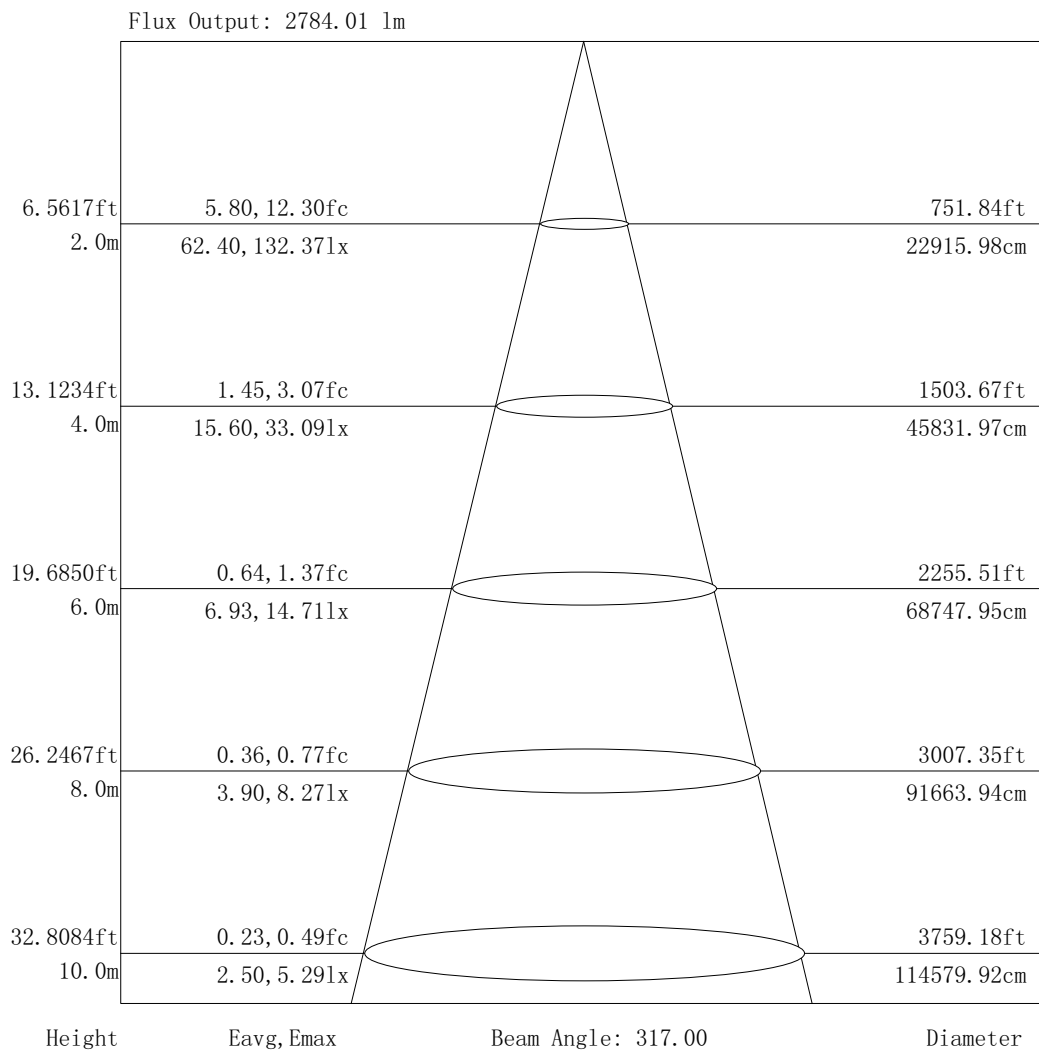


C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	3.000 m	Date:	2016-05-31	Time:	20:14:24
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Effective Average Illuminance Diagram

Lamp Description					
Lamp Name:	SLT822P450-S	Lamp Des:	Test	Lamp Weight:	0.010Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:278.100V I:0.084A P:21.800W			LuminareFlux:	1*2850.00 lm



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

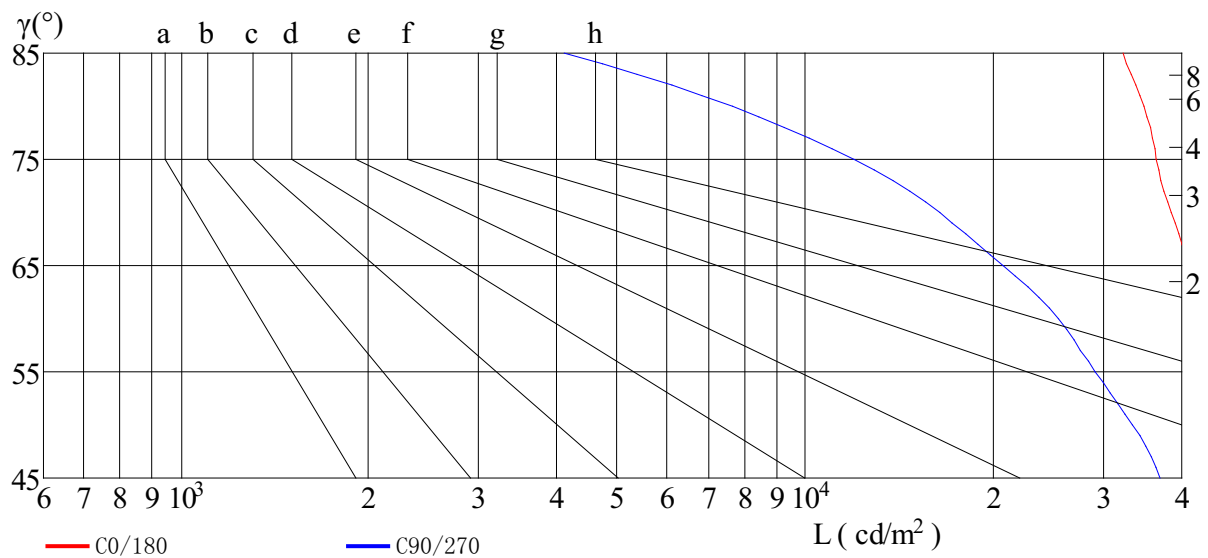
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	3.000 m	Date:	2016-05-31	Time:	20:14:24
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Luminance Limitation Curves

Lamp Description					
Lamp Name:	SLT822P450-S	Lamp Des:	Test	Lamp Weight:	0.010Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:278.100V I:0.084A P:21.800W			LuminareFlux:	1*2850.00 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	32221	34800	36393	38483	40733	42028	44409	45650	46934	cd/m2
C90	4099	7627	11937	16386	20691	25378	29052	33343	36917	

C Angle Range: 0-360Deg γ Range: 0-180Deg Test No.: 001
 C Precious: 10 Deg γ Precious: 1 Deg Tester: QA Shan
 Distance: 3.000 m Date: 2016-05-31 Time: 20:14:24
 Other:



SSP6316-D50: Lamp Space Intensity Distribution Tester

UTILIZATION FACTORS TABLE

Lamp Description					
Lamp Name:	SLT822P450-S	Lamp Des:	Test	Lamp Weight:	0.010Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:278.100V I:0.084A P:21.800W			LuminareFlux:	1*2850.00 lm

REFLECTANCE									
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
ROOM INDEX	UTILIZATION FACTORS(PERFECT) $k(RI) \times RCR = 5$								
$k = 0.60$	47	34	26	45	33	26	42	32	25
0.80	56	42	34	54	41	33	50	39	32
1.00	64	50	41	61	49	40	56	46	39
1.25	70	57	48	67	56	47	62	52	45
1.50	75	63	54	72	61	52	66	57	50
2.00	83	71	63	79	69	61	72	64	57
2.50	87	77	68	83	74	66	76	68	62
3.00	91	81	74	86	78	71	79	72	66
4.00	95	87	80	91	84	77	82	77	72
5.00	98	91	85	94	87	82	85	80	75
ROOM INDEX	UF(total)								
According to BS EN 13032-2004			Suspended				SHRNOM=1.25		

C Angle Range: 0-360Deg γ Range: 0-180Deg Test No.: 001
 C Precious: 10 Deg γ Precious: 1 Deg Tester: QA Shan
 Distance: 3.000 m Date: 2016-05-31 Time: 20:14:24
 Other: