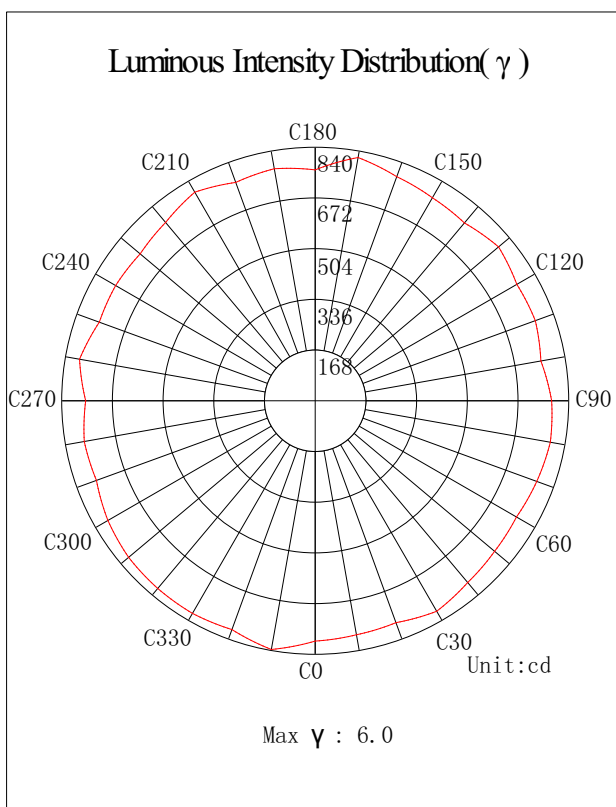
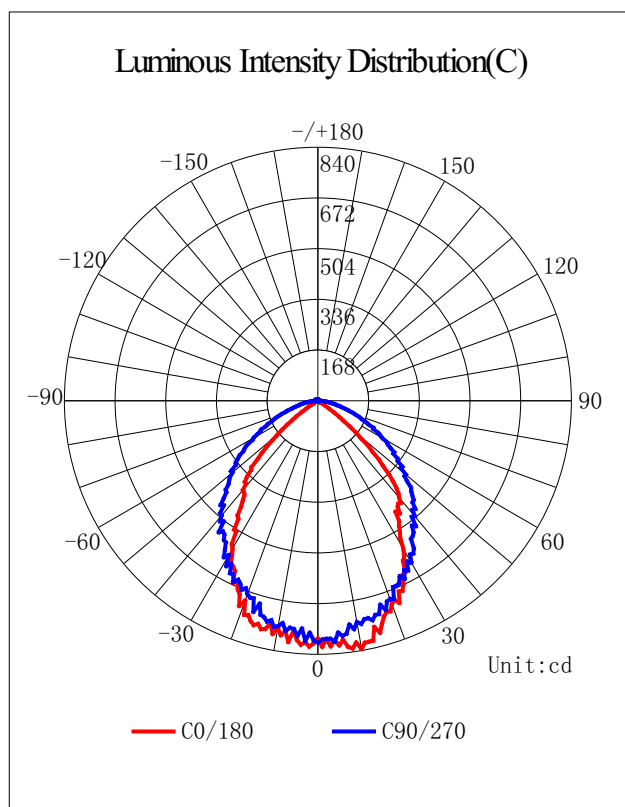


## SSP6316-D50: Lamp Space Intensity Distribution

### Photometric Data of Luminaire

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	SLT813P440-S	Lamp Weight:	2.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.5*30.0*7.5	Light Area(cm):	0.0*0.0
Electrical:	U:276.900V I:0.052A P:13.400W			LuminareFlux:	1*1512.88 lm

Lamp Test Data			
Lamp Flux:	1512.88 lm	Center Cd.:	792.5 cd
Max(C, γ):	(350, 6.0)	Maximum Cd.:	836.7 cd
BeamAngle(50%):	93.0 Deg	BeamAngle(10%):	148.0 Deg
Flux(0-90):	1490.55 lm(98.5%)	Flux(90-180):	22.3 lm(1.5%)
LuminousEfficacy:	112.90 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:	5.000 m	Date:	2017-02-18	Time:	10:12:53
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	834.5	778.5	744.9	769.6	764.4	763.3	757.5	783.5	0-10	74.99	74.99	4.96	4.96
20	717.2	732.0	699.4	712.0	704.8	695.8	682.0	729.1	10-20	211.63	286.62	18.95	18.95
30	565.8	607.7	619.4	594.3	565.9	588.8	590.8	619.7	20-30	303.08	589.70	38.98	38.98
40	419.2	443.7	498.9	434.3	386.4	411.4	496.6	431.3	30-40	321.89	911.59	60.26	60.26
50	166.0	294.1	380.5	262.5	176.5	264.4	368.8	296.1	40-50	281.21	1192.80	78.85	78.85
60	7.2	124.9	246.2	110.2	16.6	99.8	245.9	114.1	50-60	173.25	1366.05	90.30	90.30
70	4.4	22.1	131.0	17.5	12.6	21.2	127.3	28.4	60-70	79.31	1445.36	95.54	95.54
80	3.0	8.3	48.0	6.8	10.6	12.4	48.3	14.4	70-80	33.39	1478.76	97.75	97.75
90	2.2	2.7	4.6	1.9	8.9	8.3	8.0	8.8	80-90	11.80	1490.55	98.53	98.53
100	2.1	2.2	1.6	1.7	8.0	7.7	7.1	7.1	90-100	5.41	1495.97	98.89	98.89
110	2.0	2.0	1.4	1.7	6.6	7.0	6.0	6.0	100-110	4.60	1500.57	99.19	99.19
120	2.0	1.9	1.5	1.6	5.5	6.2	4.9	4.9	110-120	3.80	1504.37	99.44	99.44
130	1.9	1.9	1.5	1.7	4.5	5.0	4.1	4.0	120-130	2.99	1507.36	99.64	99.64
140	1.9	1.8	1.6	1.6	3.4	4.2	3.3	3.3	130-140	2.22	1509.58	99.79	99.79
150	1.8	1.8	1.6	1.6	2.7	3.3	2.8	2.7	140-150	1.55	1511.13	99.89	99.89
160	1.7	1.8	1.7	1.6	2.1	2.6	2.3	2.4	150-160	1.01	1512.13	99.96	99.96
170	1.8	1.8	1.7	1.8	1.8	2.2	2.2	2.1	160-170	0.56	1512.70	99.99	99.99
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170-180	0.18	1512.88	100.00	100.00
DEG	LUMINOUS INTENSITY:cd									UNIT:lm			

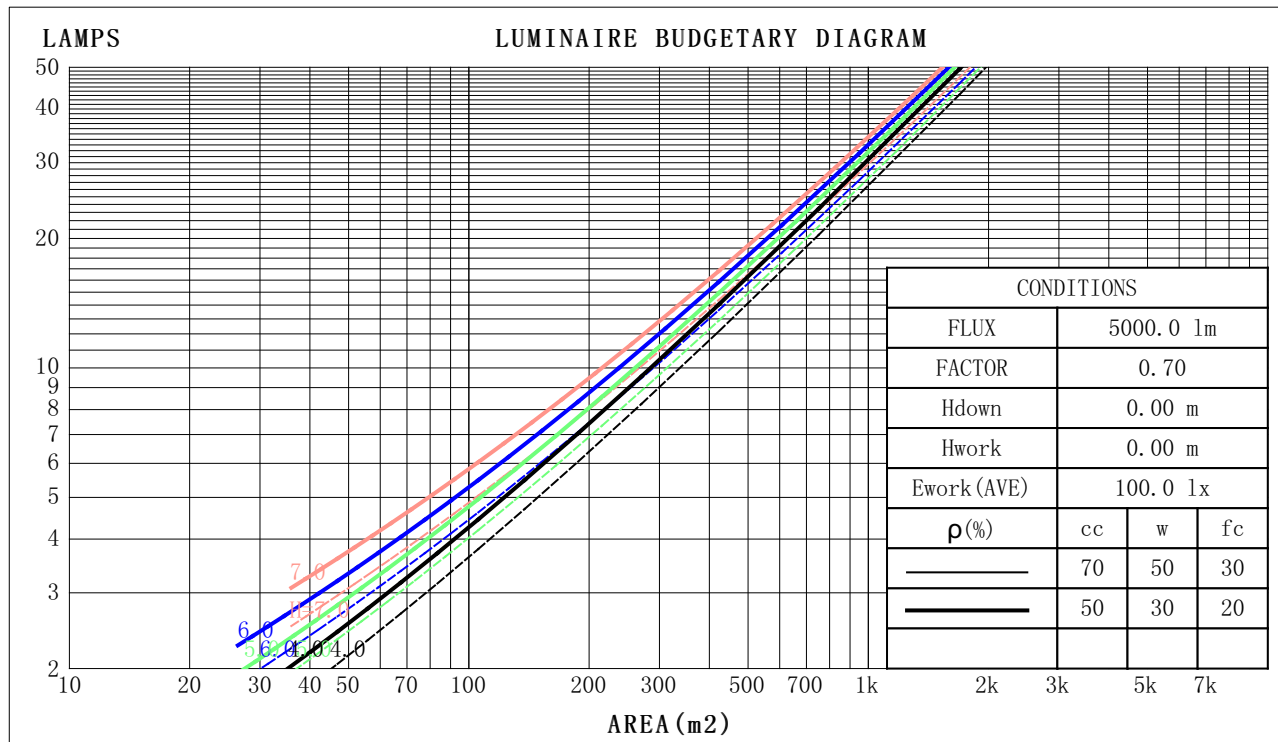
C Angle Range:	0-360Deg	$\gamma$ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	$\gamma$ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2017-02-18	Time:	10:12:53
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	SLT813P440-S	Lamp Weight:	2.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.5*30.0*7.5	Light Area(cm):	0.0*0.0
Electrical:	U:276.900V I:0.052A P:13.400W			LuminareFlux:	1*1512.88 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	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.07	1.03	1.00	1.04	1.01	.99	1.00	.98	.95	.96	.94	.92	.92	.91	.89	.87
2.0	.96	.90	.86	.94	.89	.84	.90	.86	.82	.87	.83	.80	.84	.81	.78	.76
3.0	.86	.79	.74	.85	.78	.73	.82	.76	.72	.79	.74	.70	.76	.72	.69	.67
4.0	.78	.70	.65	.76	.69	.64	.74	.68	.63	.72	.66	.62	.69	.65	.61	.59
5.0	.71	.63	.57	.69	.62	.57	.67	.61	.56	.65	.60	.55	.63	.59	.55	.53
6.0	.64	.57	.51	.63	.56	.51	.62	.55	.50	.60	.54	.50	.58	.53	.49	.47
7.0	.59	.51	.46	.58	.51	.46	.57	.50	.45	.55	.49	.45	.54	.48	.44	.43
8.0	.54	.47	.41	.54	.46	.41	.52	.46	.41	.51	.45	.41	.50	.44	.40	.39
9.0	.50	.43	.38	.50	.42	.38	.48	.42	.37	.47	.41	.37	.46	.41	.37	.35
10.0	.47	.39	.35	.46	.39	.34	.45	.39	.34	.44	.38	.34	.43	.38	.34	.32



C Angle Range: 0-360Deg       $\gamma$  Range: 0-180Deg      Test No.: 001  
 C Precious: 10 Deg       $\gamma$  Precious: 1 Deg      Tester: QA Shan  
 Distance: 5.000 m      Date: 2017-02-18      Time: 10:12:53  
 Other:



## SSP6316-D50: Lamp Space Intensity Distribution

### WEC AND CCEC

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	SLT813P440-S	Lamp Weight:	2.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.5*30.0*7.5	Light Area(cm):	0.0*0.0
Electrical:	U:276.900V I:0.052A P:13.400W			LuminareFlux:	1*1512.88 lm

p <sub>cc</sub>	80%			70%			50%			30%			10%			0
p <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio                      Wall Exitance Coefficients(WEC)															
0.0																
1.0	.246	.140	.044	.239	.136	.043	.225	.129	.041	.212	.123	.039	.201	.116	.038	
2.0	.237	.130	.040	.230	.127	.039	.218	.121	.038	.207	.116	.036	.197	.112	.035	
3.0	.224	.119	.036	.219	.117	.035	.208	.113	.034	.198	.109	.033	.189	.105	.032	
4.0	.211	.110	.032	.206	.108	.032	.197	.104	.031	.188	.101	.030	.180	.098	.030	
5.0	.199	.101	.029	.194	.100	.029	.186	.097	.028	.178	.094	.028	.171	.091	.027	
6.0	.187	.094	.027	.183	.092	.027	.176	.090	.026	.169	.088	.026	.162	.085	.025	
7.0	.176	.087	.025	.173	.086	.025	.166	.084	.024	.160	.082	.024	.154	.080	.024	
8.0	.166	.081	.023	.163	.080	.023	.157	.079	.022	.152	.077	.022	.146	.075	.022	
9.0	.157	.076	.021	.155	.075	.021	.149	.074	.021	.144	.072	.021	.139	.071	.020	
10.0	.149	.072	.020	.147	.071	.020	.142	.069	.020	.137	.068	.019	.133	.067	.019	

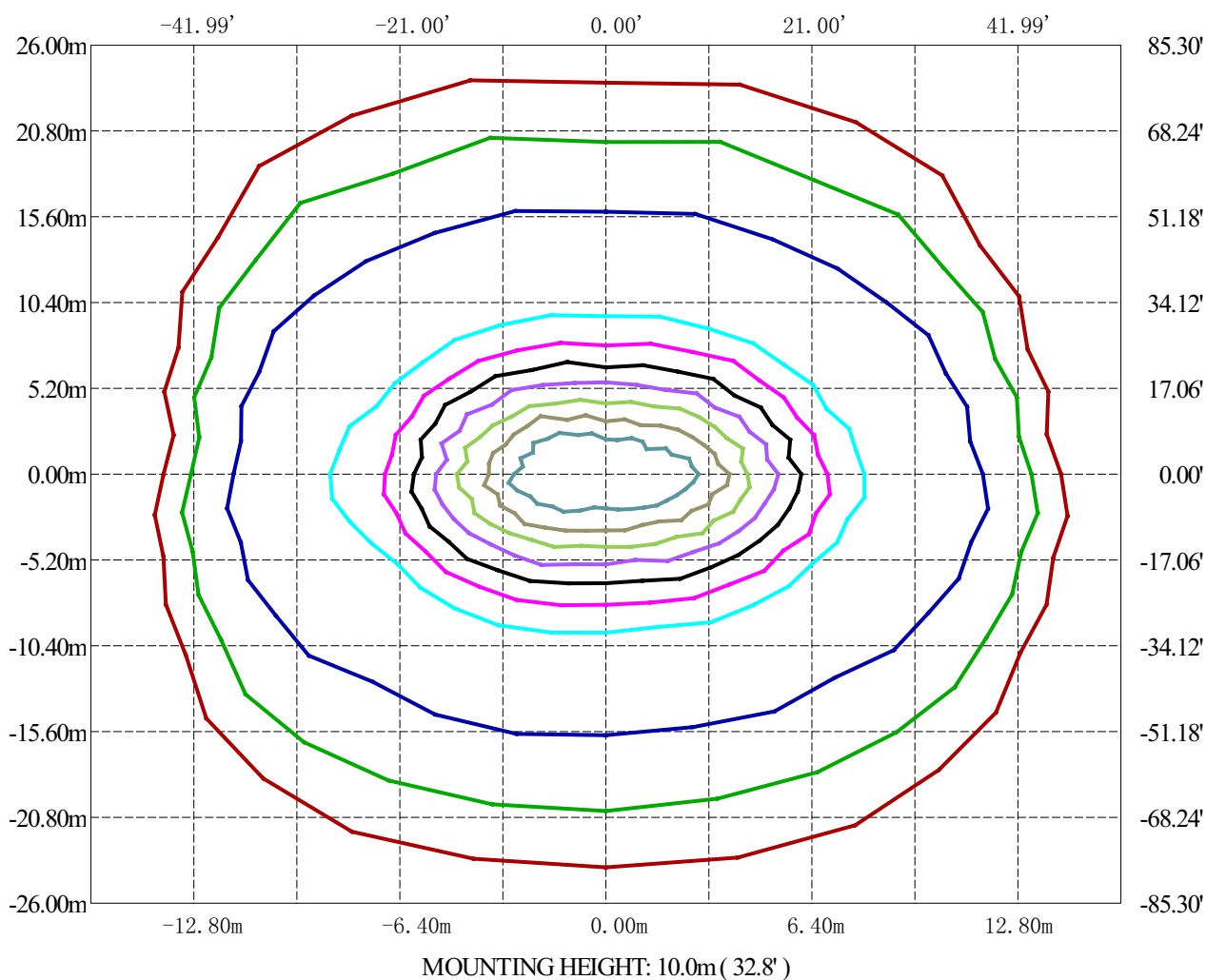
p <sub>cc</sub>	80%			70%			50%			30%			10%			0
p <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio                      Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.202	.202	.202	.172	.172	.172	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.187	.168	.151	.160	.144	.130	.110	.099	.090	.063	.057	.052	.020	.018	.017	
2.0	.176	.144	.116	.151	.124	.100	.103	.086	.070	.060	.050	.041	.019	.016	.013	
3.0	.167	.125	.092	.143	.108	.080	.098	.075	.056	.057	.044	.033	.018	.014	.011	
4.0	.159	.112	.076	.136	.096	.066	.094	.067	.046	.054	.039	.027	.017	.013	.009	
5.0	.152	.101	.063	.130	.087	.055	.090	.061	.039	.052	.036	.023	.017	.012	.008	
6.0	.145	.092	.055	.124	.080	.048	.086	.056	.034	.050	.033	.020	.016	.011	.007	
7.0	.138	.085	.048	.119	.074	.042	.082	.052	.030	.048	.031	.018	.015	.010	.006	
8.0	.133	.079	.043	.114	.069	.037	.079	.048	.026	.046	.029	.016	.015	.009	.005	
9.0	.127	.074	.039	.110	.065	.034	.076	.045	.024	.044	.027	.014	.014	.009	.005	
10.0	.122	.070	.036	.105	.061	.031	.073	.043	.022	.043	.025	.013	.014	.008	.004	

C Angle Range: 0-360Deg      γ Range: 0-180Deg      Test No.: 001  
 C Precious: 10 Deg      γ Precious: 1 Deg      Tester: QA Shan  
 Distance: 5.000 m      Date: 2017-02-18      Time: 10:12:53  
 Other:

## SSP6316-D50: Lamp Space Intensity Distribution

### ISOLUX Diagram

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	SLT813P440-S	Lamp Weight:	2.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.5*30.0*7.5	Light Area(cm):	0.0*0.0
Electrical:	U:276.900V I:0.052A P:13.400W			LuminareFlux:	1*1512.88 lm

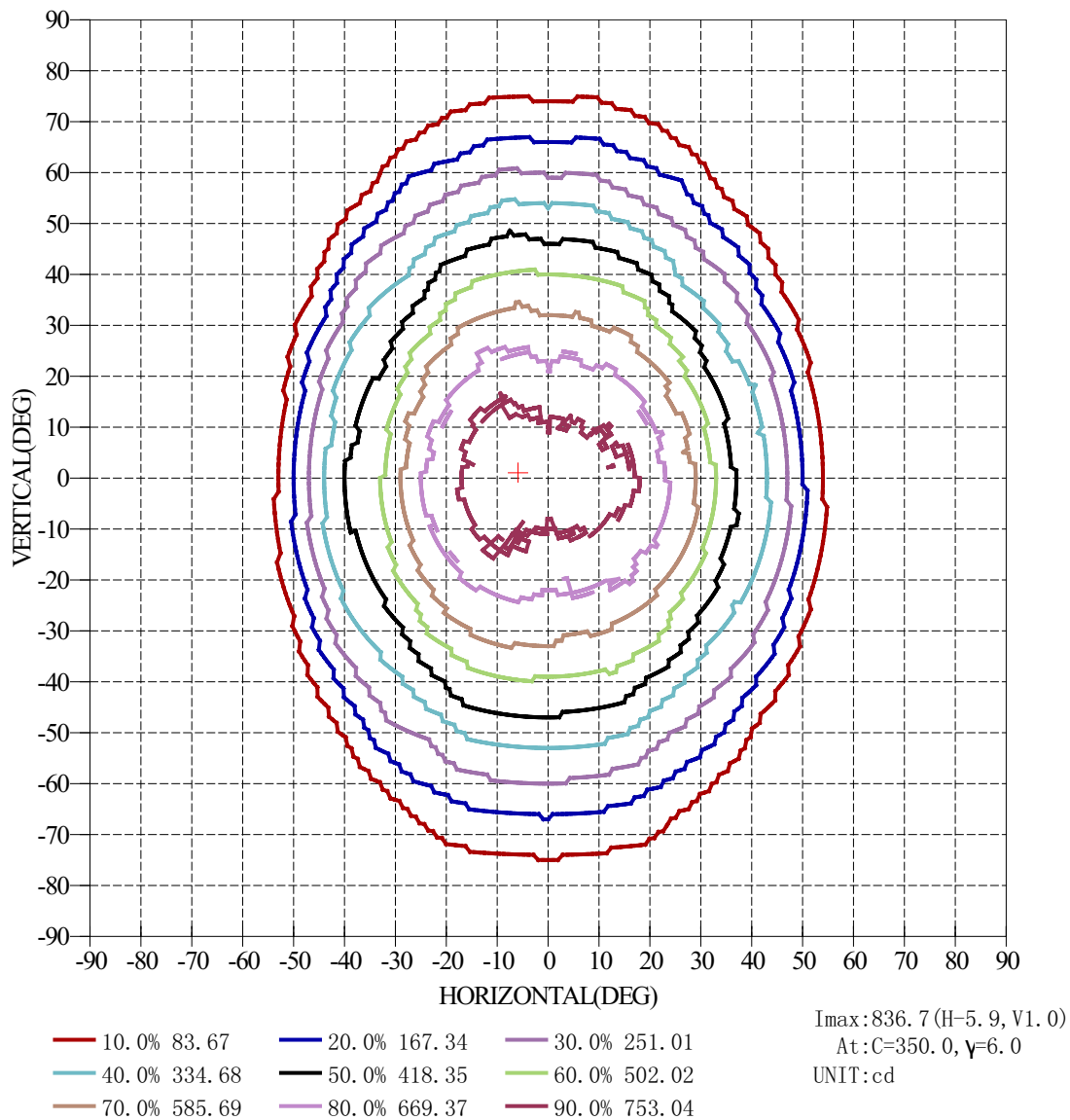


C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No. :	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2017-02-18	Time:	10:12:53
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### ISOCANDELA Diagram

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	SLT813P440-S	Lamp Weight:	2.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.5*30.0*7.5	Light Area(cm):	0.0*0.0
Electrical:	U:276.900V I:0.052A P:13.400W			LuminareFlux:	1*1512.88 lm

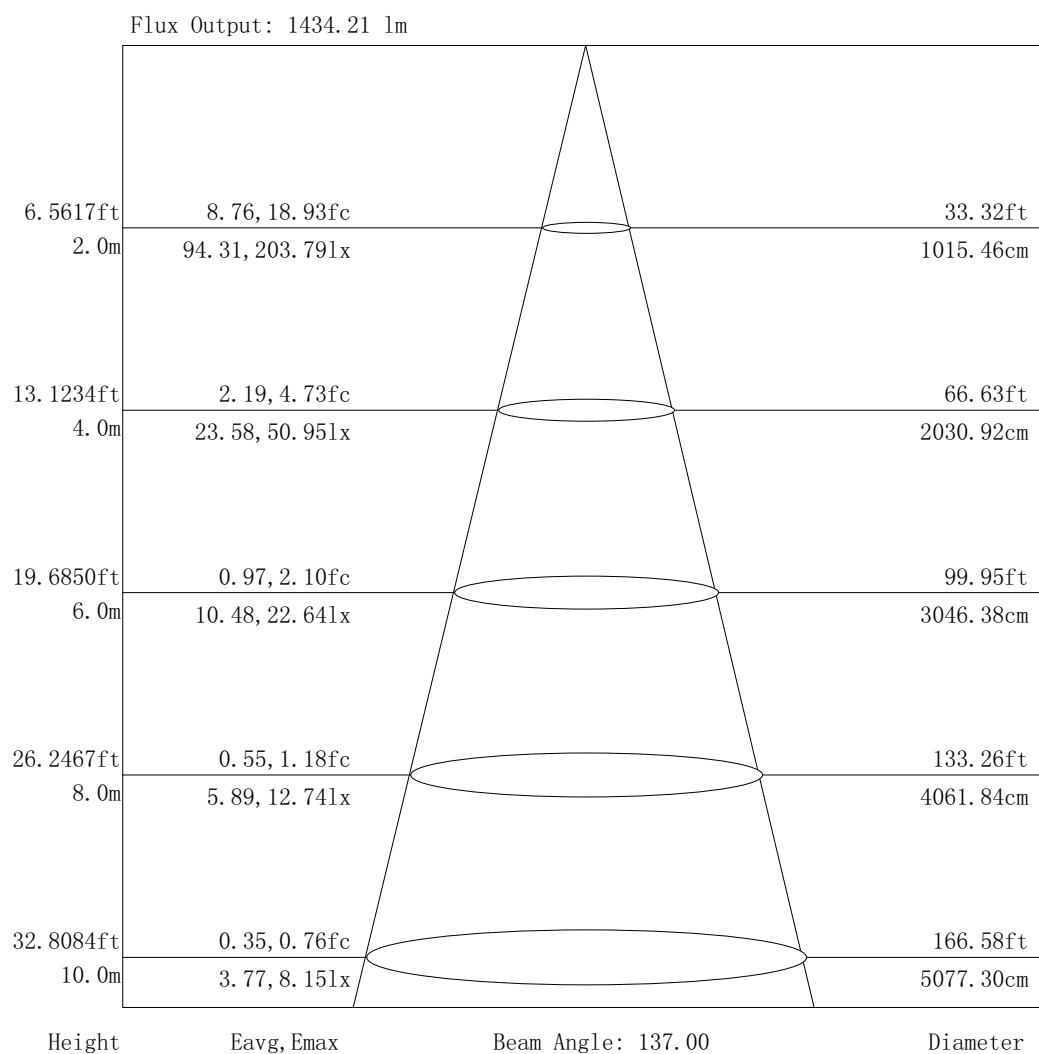


C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2017-02-18	Time:	10:12:53
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### Effective Average Illuminance Diagram

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	SLT813P440-S	Lamp Weight:	2.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.5*30.0*7.5	Light Area(cm):	0.0*0.0
Electrical:	U:276.900V I:0.052A P:13.400W			LuminareFlux:	1*1512.88 lm



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

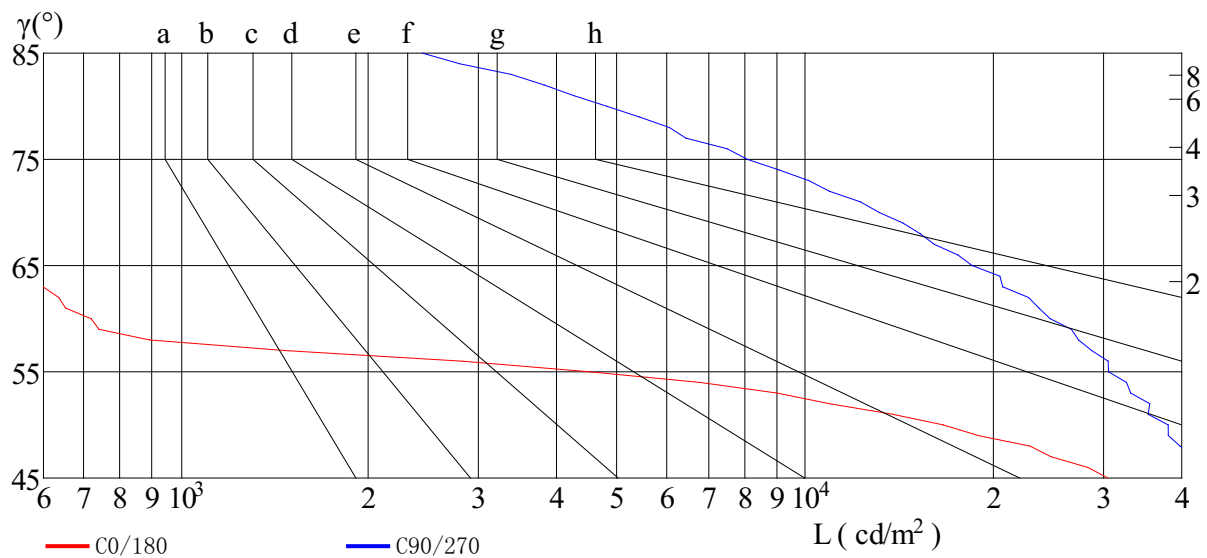
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2017-02-18	Time:	10:12:53
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### Luminance Limitation Curves

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	SLT813P440-S	Lamp Weight:	2.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.5*30.0*7.5	Light Area(cm):	0.0*0.0
Electrical:	U:276.900V I:0.052A P:13.400W			LuminareFlux:	1*1512.88 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	248	299	340	441	561	715	4502	16597	30478	cd/m2
C90	2429	4796	8056	13100	18466	24616	30540	38048	44233	

C Angle Range: 0-360Deg       $\gamma$  Range: 0-180Deg      Test No.: 001  
 C Precious: 10 Deg       $\gamma$  Precious: 1 Deg      Tester: QA Shan  
 Distance: 5.000 m      Date: 2017-02-18      Time: 10:12:53  
 Other:





## SSP6316-D50: Lamp Space Intensity Distribution Tester

### UTILIZATION FACTORS TABLE

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	SLT813P440-S	Lamp Weight:	2.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.5*30.0*7.5	Light Area(cm):	0.0*0.0
Electrical:	U:276.900V I:0.052A P:13.400W			LuminareFlux:	1*1512.88 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) $k(RI) \times RCR = 5$								
$k = 0.60$	67	56	50	66	56	50	65	55	50
0.80	77	67	60	76	66	60	74	65	60
1.00	85	76	69	84	75	69	81	74	68
1.25	91	83	77	90	82	76	87	80	75
1.50	96	88	82	94	87	81	91	85	80
2.00	101	94	89	99	93	88	96	91	86
2.50	104	98	93	102	96	92	98	93	90
3.00	107	101	97	104	99	96	100	96	93
4.00	109	105	101	107	103	100	103	99	97
5.00	111	107	104	109	105	103	104	101	99
ROOM INDEX	UF(total)								
According to BS EN 13032-2004			Suspended				SHRNOM=1.25		

C Angle Range: 0-360Deg       $\gamma$  Range: 0-180Deg      Test No.: 001  
 C Precious: 10 Deg       $\gamma$  Precious: 1 Deg      Tester: QA Shan  
 Distance: 5.000 m      Date: 2017-02-18      Time: 10:12:53  
 Other: