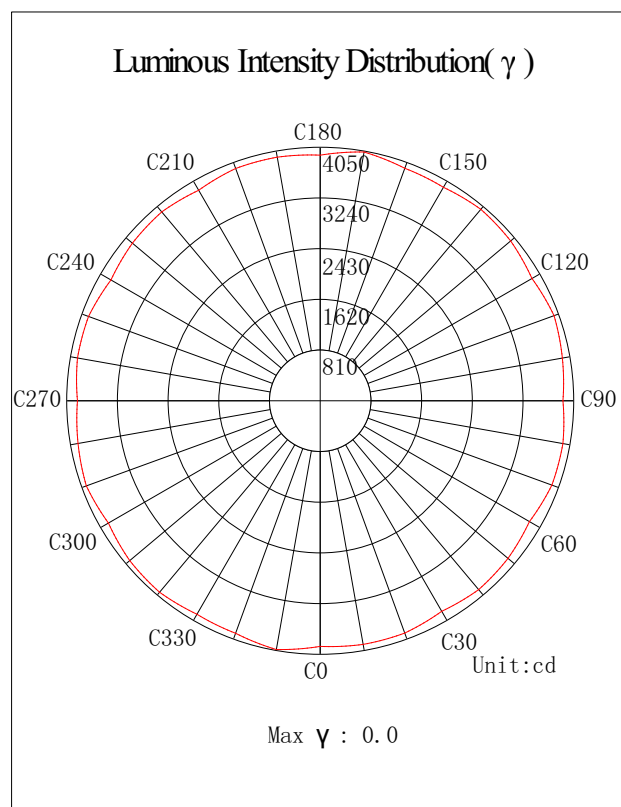
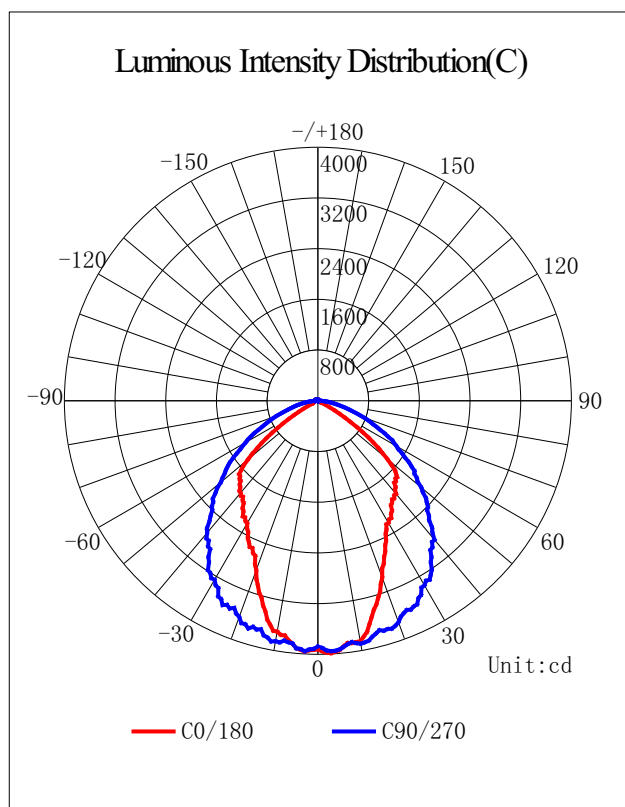


## SSP6316-D50: Lamp Space Intensity Distribution

### Photometric Data of Luminaire

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	4PCS SLT815P440-S	Lamp Weight:	5.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.0*60.0*7.8	Light Area(cm):	0.0*0.0
Electrical:	U:277.200V I:0.257A P:64.400W			LuminareFlux:	1*7444.08 lm

Lamp Test Data			
Lamp Flux:	7444.08 lm	Center Cd.:	3937.5 cd
Max(C, γ):	(170, 0.0)	Maximum Cd.:	4035.1 cd
BeamAngle(50%):	100.0 Deg	BeamAngle(10%):	151.0 Deg
Flux(0-90):	7330.99 lm(98.5%)	Flux(90-180):	113.1 lm(1.5%)
LuminousEfficacy:	115.59 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:	2017-02-21	Time:	10:44:17
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	3852.3	3853.6	3890.2	3715.2	3700.1	3678.6	3853.4	3839.8	0-10	368.85	368.85	4.96	4.96
20	2967.7	3373.4	3717.9	3190.6	2843.7	3172.0	3630.3	3267.8	10-20	1000.91	1369.76	18.41	18.41
30	2225.1	2521.2	3361.8	2382.0	2230.8	2321.3	3260.6	2390.1	20-30	1342.32	2712.08	36.44	36.44
40	1918.8	1833.4	2861.9	1829.7	1897.4	1808.0	2718.0	1790.0	30-40	1442.85	4154.93	55.82	55.82
50	1430.6	1389.6	2130.6	1420.1	1437.3	1412.0	1997.7	1390.3	40-50	1381.30	5536.23	74.38	74.38
60	309.9	928.5	1433.0	868.3	346.6	868.8	1314.6	838.6	50-60	1041.79	6578.02	88.37	88.37
70	29.1	232.5	770.4	177.5	73.2	181.9	685.4	172.0	60-70	492.94	7070.96	94.99	94.99
80	17.3	60.6	272.1	44.9	55.9	75.8	259.3	80.2	70-80	194.06	7265.02	97.60	97.60
90	12.3	16.0	28.4	11.9	43.4	40.1	42.0	42.8	80-90	65.97	7330.99	98.49	98.49
100	11.1	11.7	9.8	9.8	38.4	37.1	36.7	35.1	90-100	27.51	7358.51	98.86	98.86
110	10.4	10.8	8.9	9.4	32.9	34.2	31.0	30.3	100-110	23.51	7382.01	99.17	99.17
120	10.1	9.9	8.5	8.8	28.2	29.8	26.3	25.0	110-120	19.48	7401.49	99.43	99.43
130	9.5	9.1	7.8	8.4	22.8	26.3	21.5	20.5	120-130	15.23	7416.72	99.64	99.64
140	9.0	8.8	7.4	8.0	17.7	21.5	17.4	16.7	130-140	11.22	7427.94	99.79	99.79
150	8.8	8.2	7.4	7.7	14.1	17.2	14.6	13.2	140-150	7.73	7435.67	99.89	99.89
160	8.1	7.9	7.5	7.8	10.9	13.7	11.8	11.1	150-160	4.90	7440.58	99.96	99.96
170	7.9	8.1	8.0	8.0	9.1	10.6	10.3	9.8	160-170	2.67	7443.24	99.99	99.99
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170-180	0.84	7444.08	100.00	100.00
DEG	LUMINOUS INTENSITY:cd									UNIT:lm			

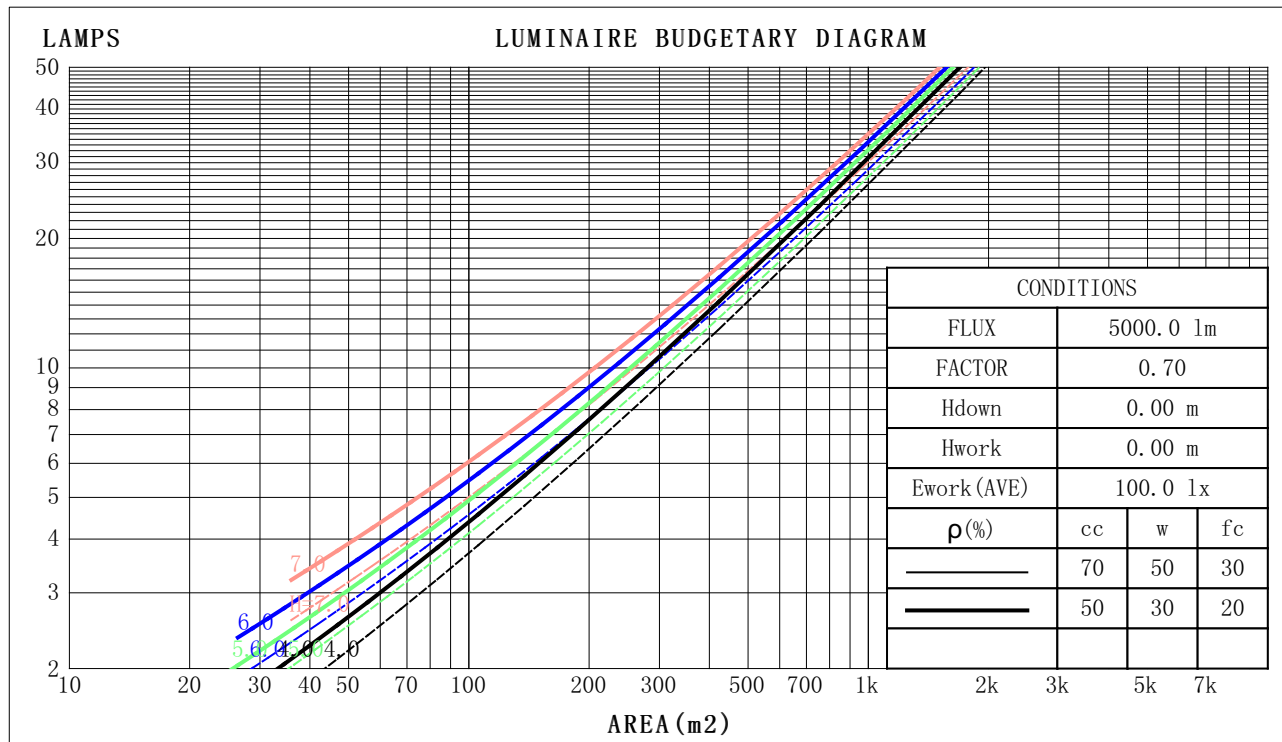
C Angle Range:	0-360Deg	$\gamma$ Range:	0-180Deg	Test No. :	001
C Precious:	10 Deg	$\gamma$ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2017-02-21	Time:	10:44:17
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	4PCS SLT815P440-S	Lamp Weight:	5.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.0*60.0*7.8	Light Area(cm):	0.0*0.0
Electrical:	U:277.200V I:0.257A P:64.400W			LuminareFlux:	1*7444.08 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	.98
1.0	1.06	1.03	1.00	1.04	1.01	.98	.99	.97	.94	.95	.93	.91	.92	.90	.88	.86
2.0	.95	.89	.84	.93	.88	.83	.89	.85	.81	.86	.82	.79	.83	.80	.77	.75
3.0	.85	.78	.72	.83	.77	.71	.80	.75	.70	.77	.73	.69	.75	.71	.67	.65
4.0	.76	.69	.63	.75	.68	.62	.72	.66	.61	.70	.65	.60	.68	.63	.59	.57
5.0	.69	.61	.55	.68	.60	.55	.66	.59	.54	.64	.58	.53	.62	.57	.53	.51
6.0	.63	.55	.49	.62	.54	.49	.60	.53	.48	.58	.52	.48	.56	.51	.47	.45
7.0	.57	.49	.44	.57	.49	.44	.55	.48	.43	.53	.47	.43	.52	.47	.42	.41
8.0	.53	.45	.40	.52	.45	.39	.51	.44	.39	.49	.43	.39	.48	.43	.38	.37
9.0	.49	.41	.36	.48	.41	.36	.47	.40	.36	.46	.40	.35	.45	.39	.35	.33
10.0	.45	.38	.33	.45	.38	.33	.44	.37	.33	.43	.37	.32	.42	.36	.32	.31



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: 2017-02-21      Time: 10:44:17  
 Other:



## SSP6316-D50: Lamp Space Intensity Distribution

### WEC AND CCEC

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	4PCS SLT815P440-S	Lamp Weight:	5.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.0*60.0*7.8	Light Area(cm):	0.0*0.0
Electrical:	U:277.200V I:0.257A P:64.400W			LuminareFlux:	1*7444.08 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	.256	.146	.046	.249	.142	.045	.235	.135	.043	.222	.128	.041	.211	.122	.039	
2.0	.246	.135	.041	.240	.132	.041	.228	.127	.039	.217	.122	.038	.206	.117	.037	
3.0	.233	.124	.037	.227	.122	.037	.216	.117	.036	.207	.113	.035	.197	.109	.034	
4.0	.218	.114	.033	.213	.112	.033	.204	.108	.032	.195	.105	.032	.187	.102	.031	
5.0	.205	.104	.030	.200	.103	.030	.192	.100	.029	.184	.097	.029	.177	.095	.028	
6.0	.192	.096	.028	.188	.095	.027	.181	.093	.027	.174	.090	.027	.167	.088	.026	
7.0	.181	.089	.025	.177	.088	.025	.170	.086	.025	.164	.084	.024	.158	.082	.024	
8.0	.170	.083	.023	.167	.082	.023	.161	.080	.023	.155	.079	.023	.150	.077	.022	
9.0	.161	.078	.022	.158	.077	.022	.152	.075	.021	.147	.074	.021	.142	.072	.021	
10.0	.152	.073	.020	.149	.072	.020	.144	.071	.020	.140	.069	.020	.135	.068	.020	

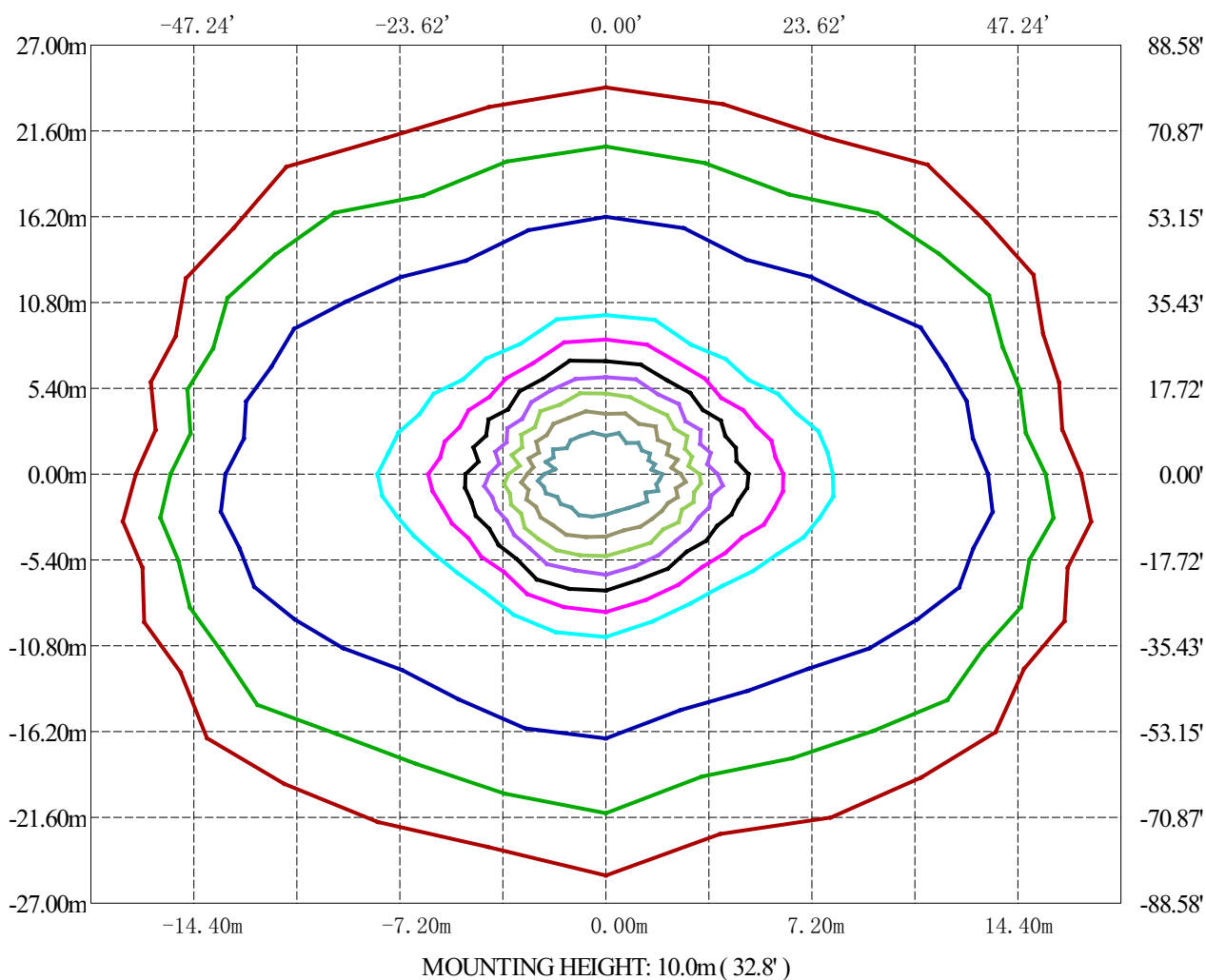
p <sub>cc</sub>	80%			70%			50%			30%			10%			0
p <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio                      Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.202	.202	.202	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.188	.168	.150	.161	.144	.129	.110	.099	.089	.063	.057	.052	.020	.019	.017	
2.0	.178	.144	.115	.152	.124	.100	.104	.086	.069	.060	.050	.041	.019	.016	.013	
3.0	.169	.126	.091	.145	.109	.079	.100	.075	.056	.057	.044	.033	.018	.014	.011	
4.0	.161	.112	.075	.138	.097	.065	.095	.068	.046	.055	.040	.027	.018	.013	.009	
5.0	.154	.101	.063	.132	.088	.055	.091	.061	.039	.053	.036	.023	.017	.012	.008	
6.0	.147	.093	.054	.126	.080	.047	.087	.056	.033	.051	.033	.020	.016	.011	.007	
7.0	.141	.086	.048	.121	.074	.042	.084	.052	.029	.049	.031	.018	.016	.010	.006	
8.0	.135	.080	.043	.116	.069	.037	.080	.049	.026	.047	.029	.016	.015	.009	.005	
9.0	.129	.075	.039	.111	.065	.034	.077	.046	.024	.045	.027	.014	.015	.009	.005	
10.0	.124	.071	.036	.107	.062	.031	.074	.043	.022	.043	.026	.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: 2017-02-21      Time: 10:44:17  
 Other:

## SSP6316-D50: Lamp Space Intensity Distribution

### ISOLUX Diagram

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	4PCS SLT815P440-S	Lamp Weight:	5.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.0*60.0*7.8	Light Area(cm):	0.0*0.0
Electrical:	U:277.200V I:0.257A P:64.400W			LuminareFlux:	1*7444.08 lm



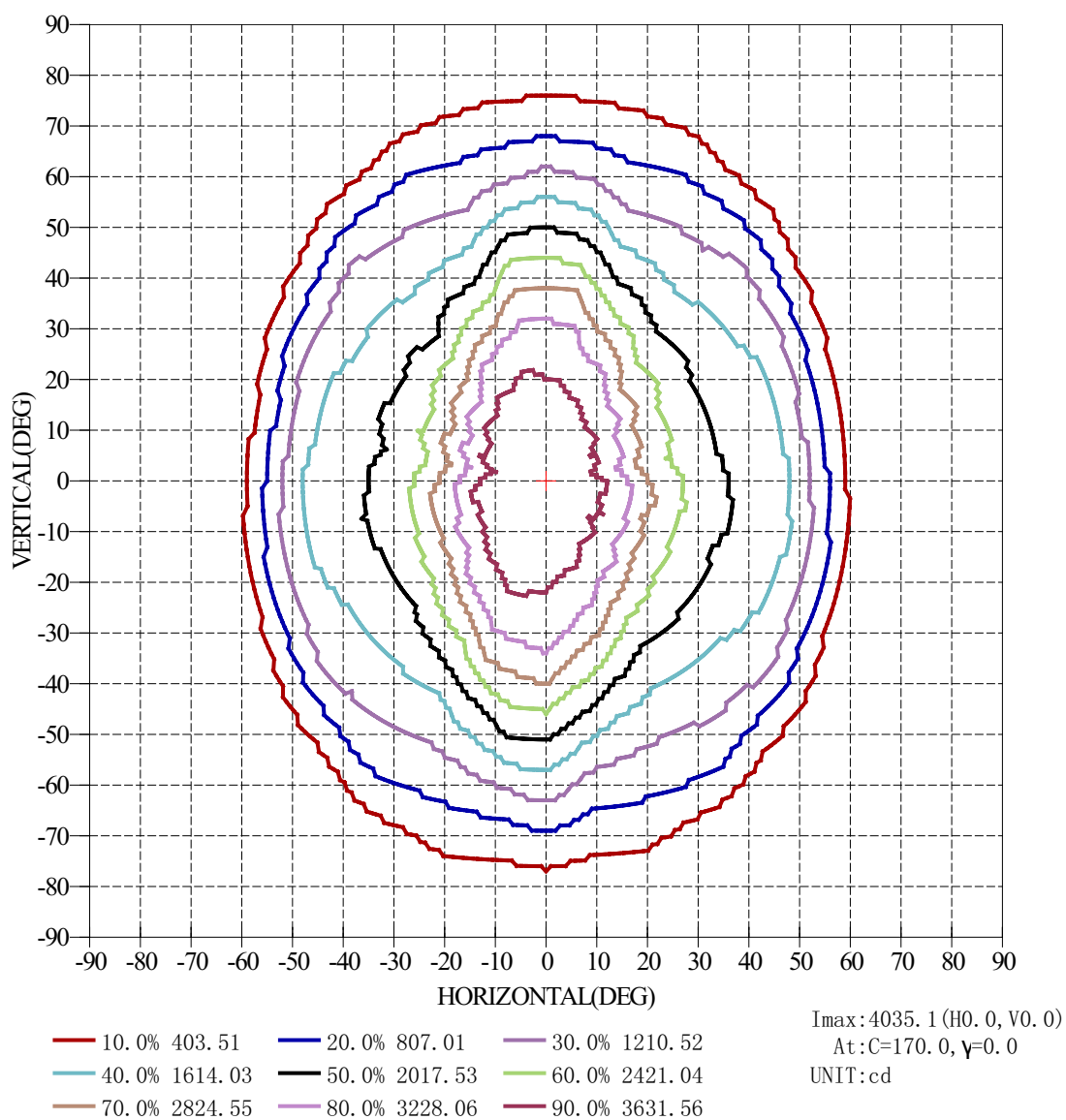
3.0% 1.1812lx 0.1097fc	5.0% 1.9687lx 0.1829fc	10.0% 3.9375lx 0.3658fc
30.0% 11.812lx 1.0974fc	40.0% 15.750lx 1.4632fc	50.0% 19.687lx 1.8290fc
60.0% 23.625lx 2.1947fc	70.0% 27.562lx 2.5605fc	80.0% 31.500lx 2.9263fc
90.0% 35.437lx 3.2921fc		

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:	2017-02-21	Time:	10:44:17
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### ISOCANDELA Diagram

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	4PCS SLT815P440-S	Lamp Weight:	5.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.0*60.0*7.8	Light Area(cm):	0.0*0.0
Electrical:	U:277.200V I:0.257A P:64.400W			LuminareFlux:	1*7444.08 lm

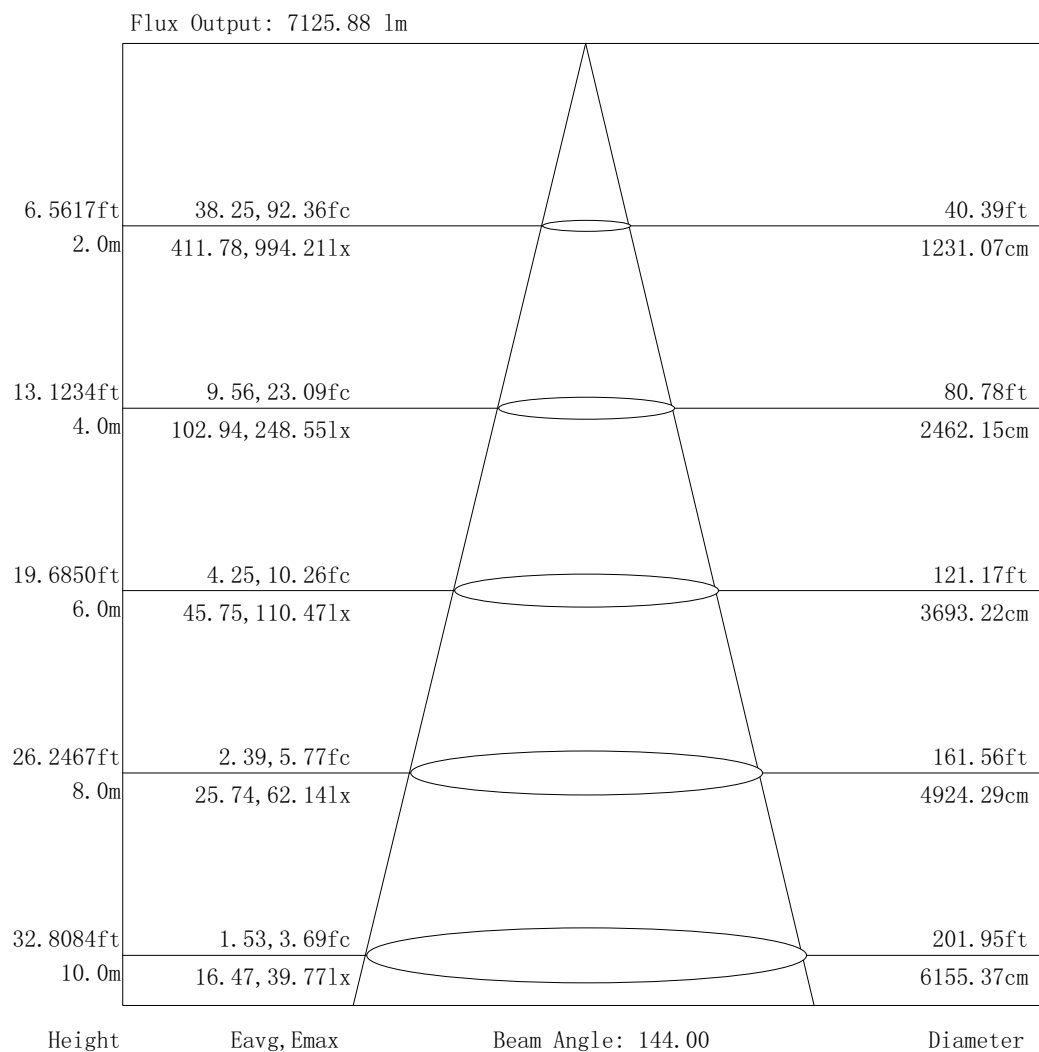


C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2017-02-21	Time:	10:44:17
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### Effective Average Illuminance Diagram

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	4PCS SLT815P440-S	Lamp Weight:	5.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.0*60.0*7.8	Light Area(cm):	0.0*0.0
Electrical:	U:277.200V I:0.257A P:64.400W			LuminareFlux:	1*7444.08 lm



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

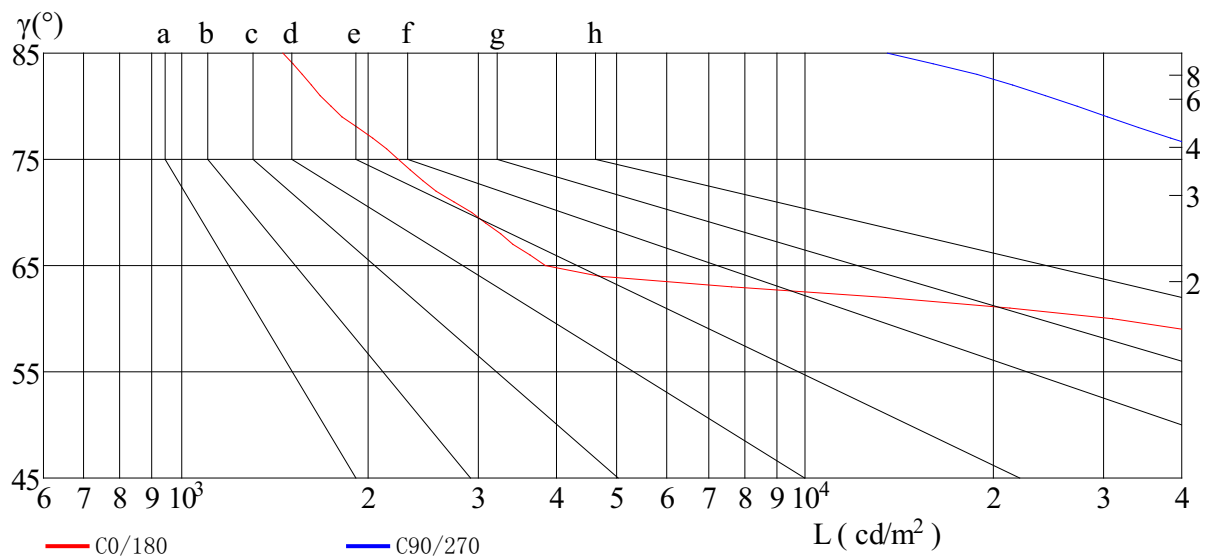
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2017-02-21	Time:	10:44:17
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### Luminance Limitation Curves

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	4PCS SLT815P440-S	Lamp Weight:	5.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.0*60.0*7.8	Light Area(cm):	0.0*0.0
Electrical:	U:277.200V I:0.257A P:64.400W			LuminareFlux:	1*7444.08 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	1451	1734	2222	2913	3824	30988	85966	143061	173459	cd/m2
C90	13504	27206	47806	77039	108242	143296	180164	213061	243905	

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: 2017-02-21      Time: 10:44:17  
 Other:





## SSP6316-D50: Lamp Space Intensity Distribution Tester

### UTILIZATION FACTORS TABLE

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	4PCS SLT815P440-S	Lamp Weight:	5.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.0*60.0*7.8	Light Area(cm):	0.0*0.0
Electrical:	U:277.200V I:0.257A P:64.400W			LuminareFlux:	1*7444.08 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) $k(RI) \times RCR = 5$								
$k = 0.60$	64	53	46	63	53	46	62	52	46
0.80	74	64	57	73	63	57	71	62	56
1.00	83	73	66	81	72	66	79	71	65
1.25	89	80	74	88	79	74	85	78	72
1.50	94	86	79	92	84	79	89	82	78
2.00	100	93	87	98	91	86	94	89	84
2.50	103	97	91	101	95	90	97	92	88
3.00	106	100	95	103	98	94	99	95	92
4.00	109	104	100	106	102	99	102	99	96
5.00	111	107	103	108	105	102	103	101	98
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: 5.000 m      Date: 2017-02-21      Time: 10:44:17  
 Other: