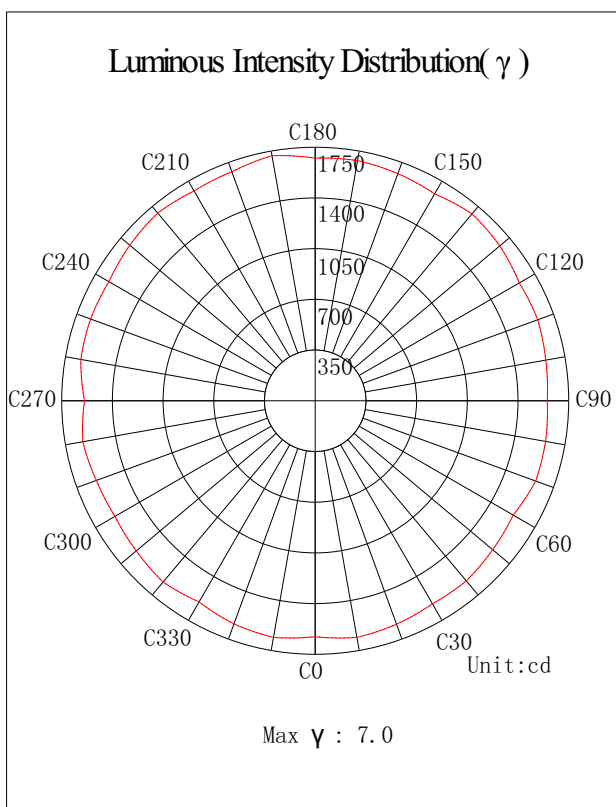
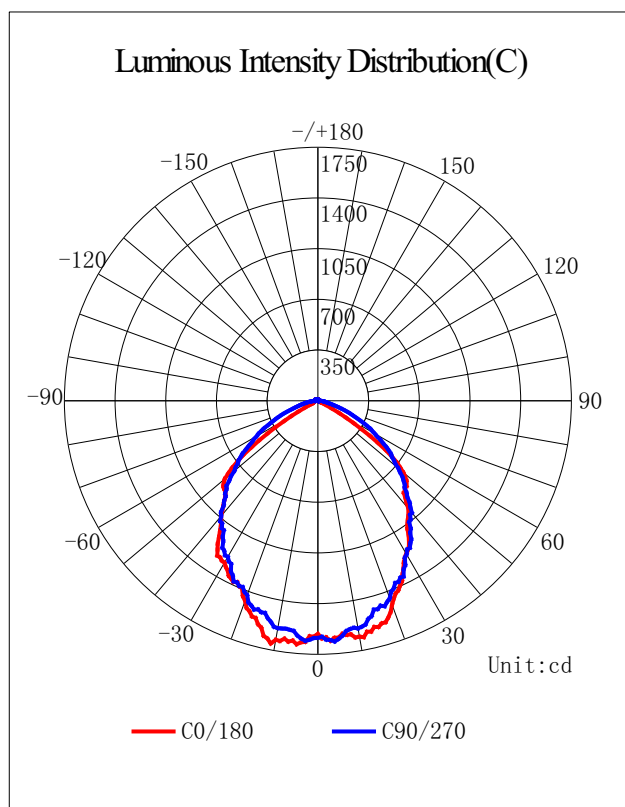


## SSP6316-D50: Lamp Space Intensity Distribution

### Photometric Data of Luminaire

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	2PCS SLT815P440-S	Lamp Weight:	3.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	119.5*39.5*8.5	Light Area(cm):	0.0*0.0
Electrical:	U:277.200V I:0.125A P:31.100W			LuminareFlux:	1*3086.44 lm

Lamp Test Data			
Lamp Flux:	3497.63 lm	Center Cd.:	1646.4 cd
Max(C, $\gamma$ ):	(190, 7.0)	Maximum Cd.:	1717.8 cd
BeamAngle(50%):	93.0 Deg	BeamAngle(10%):	144.0 Deg
Flux(0-90):	3442.19 lm(98.4%)	Flux(90-180):	55.4 lm(1.6%)
LuminousEfficacy:	112.46 lm/W		



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:	13:47:02
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	1653.9	1587.8	1595.1	1640.4	1675.3	1640.8	1593.6	1613.0	0-10	156.29	156.29	4.47	5.07
20	1497.9	1472.9	1450.0	1505.3	1469.8	1492.2	1428.0	1512.2	10-20	441.48	597.77	17.10	19.37
30	1219.6	1255.9	1224.8	1220.3	1290.1	1223.4	1243.7	1279.9	20-30	629.89	1227.66	35.10	39.78
40	971.3	942.9	1009.5	996.7	1039.1	1036.1	1038.5	967.5	30-40	706.83	1934.50	55.31	62.68
50	770.5	664.2	724.5	715.2	839.0	740.4	751.5	698.9	40-50	667.55	2602.05	74.40	84.31
60	170.9	438.3	452.7	446.4	212.4	472.2	486.9	465.3	50-60	512.57	3114.62	89.05	100.92
70	15.7	94.9	204.4	88.5	33.4	90.9	238.4	100.2	60-70	221.36	3335.98	95.38	108.09
80	9.8	36.0	60.3	33.6	26.3	47.9	86.8	50.9	70-80	77.00	3412.98	97.58	110.58
90	5.5	6.6	10.1	6.6	20.2	19.3	19.7	20.3	80-90	29.22	3442.19	98.42	111.53
100	5.3	5.5	4.9	5.2	17.9	18.0	17.4	17.4	90-100	13.04	3455.23	98.79	111.95
110	5.0	4.9	4.4	4.7	16.5	16.0	14.9	15.0	100-110	11.56	3466.79	99.12	112.33
120	4.8	4.7	4.3	4.5	13.6	13.8	13.0	12.5	110-120	9.44	3476.23	99.39	112.63
130	4.5	4.6	4.2	4.4	11.5	12.1	10.7	10.2	120-130	7.47	3483.71	99.61	112.88
140	4.4	4.5	4.0	4.2	9.1	9.9	8.8	8.6	130-140	5.62	3489.32	99.77	113.06
150	4.3	4.3	4.1	4.1	7.5	8.0	7.2	6.8	140-150	3.92	3493.25	99.88	113.19
160	4.1	4.1	4.1	4.2	6.1	6.6	6.0	5.9	150-160	2.53	3495.78	99.95	113.27
170	4.2	4.2	4.3	4.5	5.1	5.4	5.2	5.1	160-170	1.41	3497.19	99.99	113.31
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170-180	0.44	3497.63	100.00	113.33
DEG	LUMINOUS INTENSITY:cd									UNIT:lm			

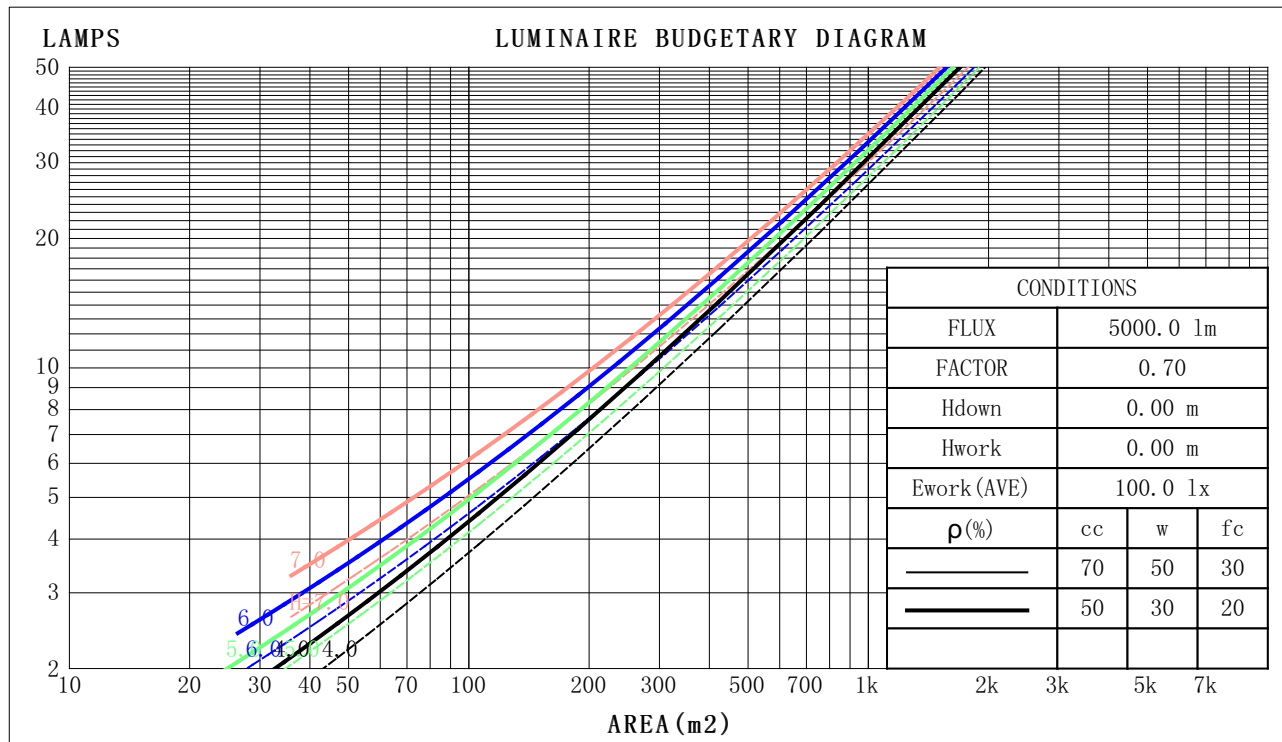
C Angle Range:	0-360Deg	$\gamma$ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	$\gamma$ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2017-02-18	Time:	13:47:02
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	2PCS SLT815P440-S	Lamp Weight:	3.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	119.5*39.5*8.5	Light Area(cm):	0.0*0.0
Electrical:	U:277.200V I:0.125A P:31.100W			LuminareFlux:	1*3086.44 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	.74	.70	.77	.72	.68	.74	.71	.67	.65
4.0	.76	.68	.62	.75	.67	.62	.72	.66	.61	.70	.64	.60	.67	.63	.59	.57
5.0	.69	.61	.55	.68	.60	.54	.65	.59	.54	.63	.57	.53	.61	.56	.52	.50
6.0	.62	.54	.48	.61	.54	.48	.59	.53	.48	.58	.52	.47	.56	.51	.47	.45
7.0	.57	.49	.43	.56	.48	.43	.54	.48	.43	.53	.47	.42	.51	.46	.42	.40
8.0	.52	.44	.39	.51	.44	.39	.50	.43	.38	.49	.43	.38	.48	.42	.38	.36
9.0	.48	.40	.35	.47	.40	.35	.46	.40	.35	.45	.39	.35	.44	.38	.34	.33
10.0	.45	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.32	.41	.35	.31	.30



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:	13:47:02
Other:					



## SSP6316-D50: Lamp Space Intensity Distribution

### WEC AND CCEC

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	2PCS SLT815P440-S	Lamp Weight:	3.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	119.5*39.5*8.5	Light Area(cm):	0.0*0.0
Electrical:	U:277.200V I:0.125A P:31.100W			LuminareFlux:	1*3086.44 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	.255	.145	.046	.248	.141	.045	.234	.134	.043	.221	.128	.041	.209	.121	.039	
2.0	.246	.135	.041	.240	.132	.041	.228	.127	.039	.216	.121	.038	.206	.117	.037	
3.0	.233	.124	.037	.227	.122	.037	.217	.117	.036	.207	.113	.035	.198	.109	.034	
4.0	.219	.114	.033	.214	.112	.033	.205	.109	.032	.196	.105	.032	.188	.102	.031	
5.0	.206	.105	.030	.201	.103	.030	.193	.100	.030	.185	.098	.029	.178	.095	.029	
6.0	.193	.097	.028	.189	.096	.028	.182	.093	.027	.175	.091	.027	.168	.089	.026	
7.0	.182	.090	.025	.178	.089	.025	.172	.087	.025	.165	.085	.025	.159	.083	.024	
8.0	.171	.084	.024	.168	.083	.023	.162	.081	.023	.156	.079	.023	.151	.078	.023	
9.0	.162	.078	.022	.159	.077	.022	.153	.076	.022	.148	.074	.021	.143	.073	.021	
10.0	.153	.073	.020	.150	.073	.020	.145	.071	.020	.141	.070	.020	.136	.069	.020	

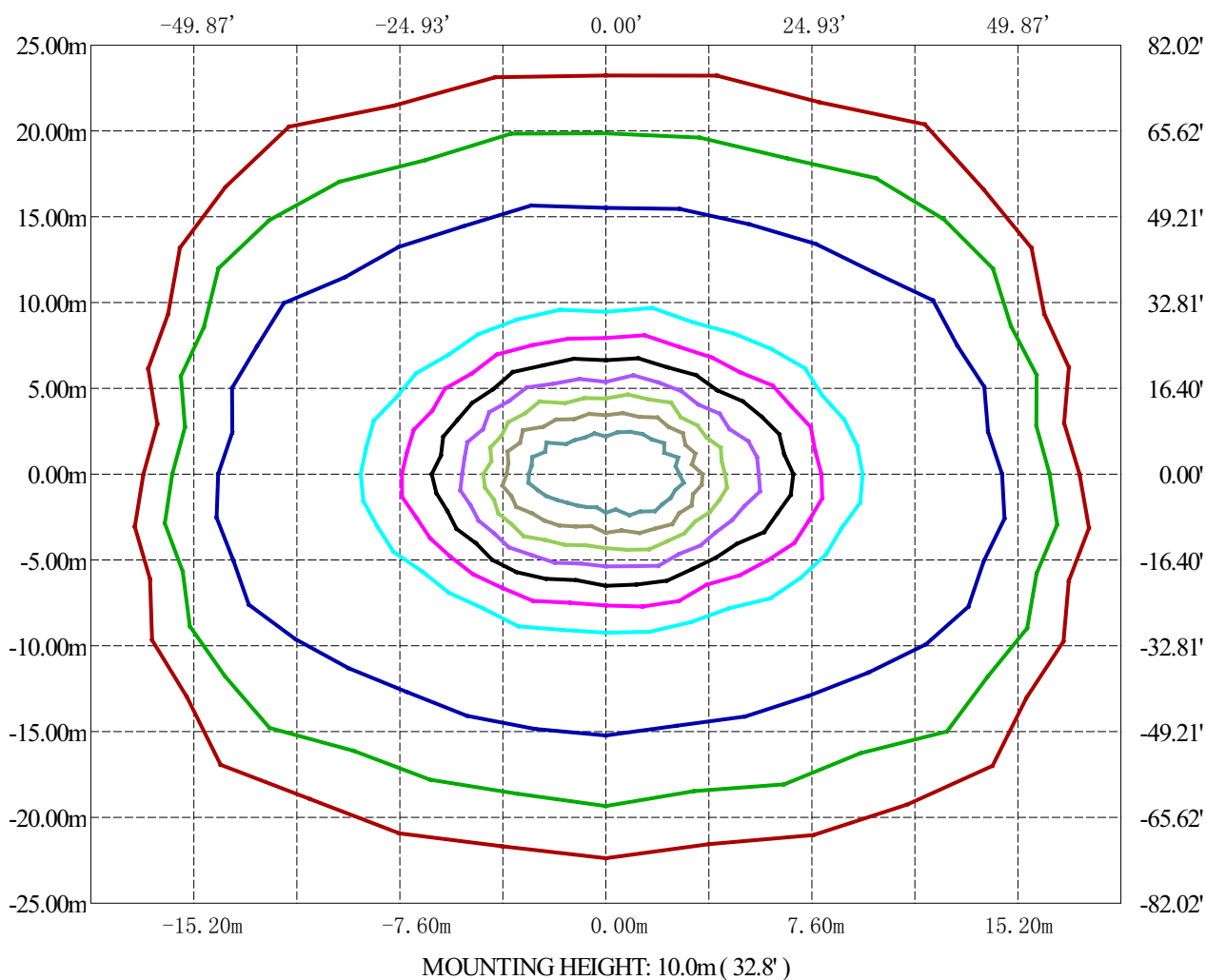
p <sub>cc</sub>	80%			70%			50%			30%			10%			0
p <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio                      Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.203	.203	.203	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.189	.169	.151	.161	.145	.130	.110	.100	.090	.064	.058	.052	.020	.019	.017	
2.0	.178	.144	.116	.153	.124	.100	.105	.086	.070	.060	.050	.041	.019	.016	.013	
3.0	.170	.126	.092	.145	.109	.080	.100	.076	.056	.058	.044	.033	.019	.014	.011	
4.0	.162	.113	.075	.139	.097	.065	.096	.068	.046	.055	.040	.027	.018	.013	.009	
5.0	.155	.102	.063	.133	.088	.055	.091	.062	.039	.053	.036	.023	.017	.012	.008	
6.0	.148	.094	.055	.127	.081	.047	.088	.057	.034	.051	.033	.020	.016	.011	.007	
7.0	.142	.087	.048	.122	.075	.042	.084	.053	.030	.049	.031	.018	.016	.010	.006	
8.0	.136	.081	.043	.117	.070	.038	.081	.049	.027	.047	.029	.016	.015	.010	.005	
9.0	.130	.076	.039	.112	.066	.034	.078	.046	.024	.045	.027	.014	.015	.009	.005	
10.0	.125	.072	.036	.108	.062	.032	.075	.044	.022	.044	.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: 2017-02-18      Time: 13:47:02  
 Other:

## SSP6316-D50: Lamp Space Intensity Distribution

### ISOLUX Diagram

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	2PCS SLT815P440-S	Lamp Weight:	3.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	119.5*39.5*8.5	Light Area(cm):	0.0*0.0
Electrical:	U:277.200V I:0.125A P:31.100W			LuminareFlux:	1*3086.44 lm



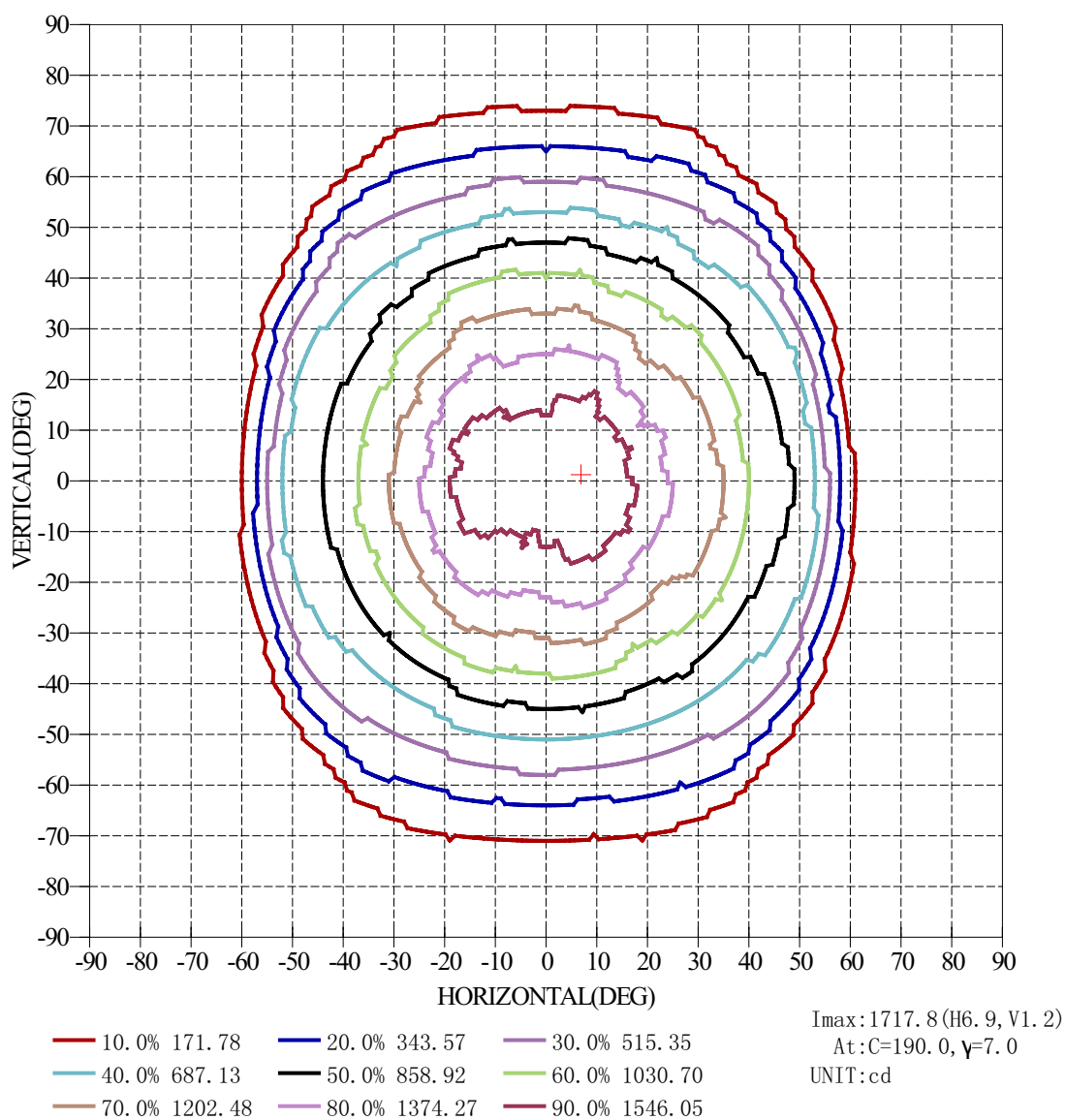
3.0% 0.4939lx 0.0459fc	5.0% 0.8232lx 0.0765fc	10.0% 1.6464lx 0.1530fc
30.0% 4.9392lx 0.4589fc	40.0% 6.5856lx 0.6118fc	50.0% 8.2320lx 0.7648fc
60.0% 9.8784lx 0.9177fc	70.0% 11.5251lx 1.0707fc	80.0% 13.1711lx 1.2236fc
90.0% 14.8181lx 1.3766fc		

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:	13:47:02
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### ISOCANDELA Diagram

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	2PCS SLT815P440-S	Lamp Weight:	3.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	119.5*39.5*8.5	Light Area(cm):	0.0*0.0
Electrical:	U:277. 200V I:0.125A P:31.100W			LuminareFlux:	1*3086.44 lm

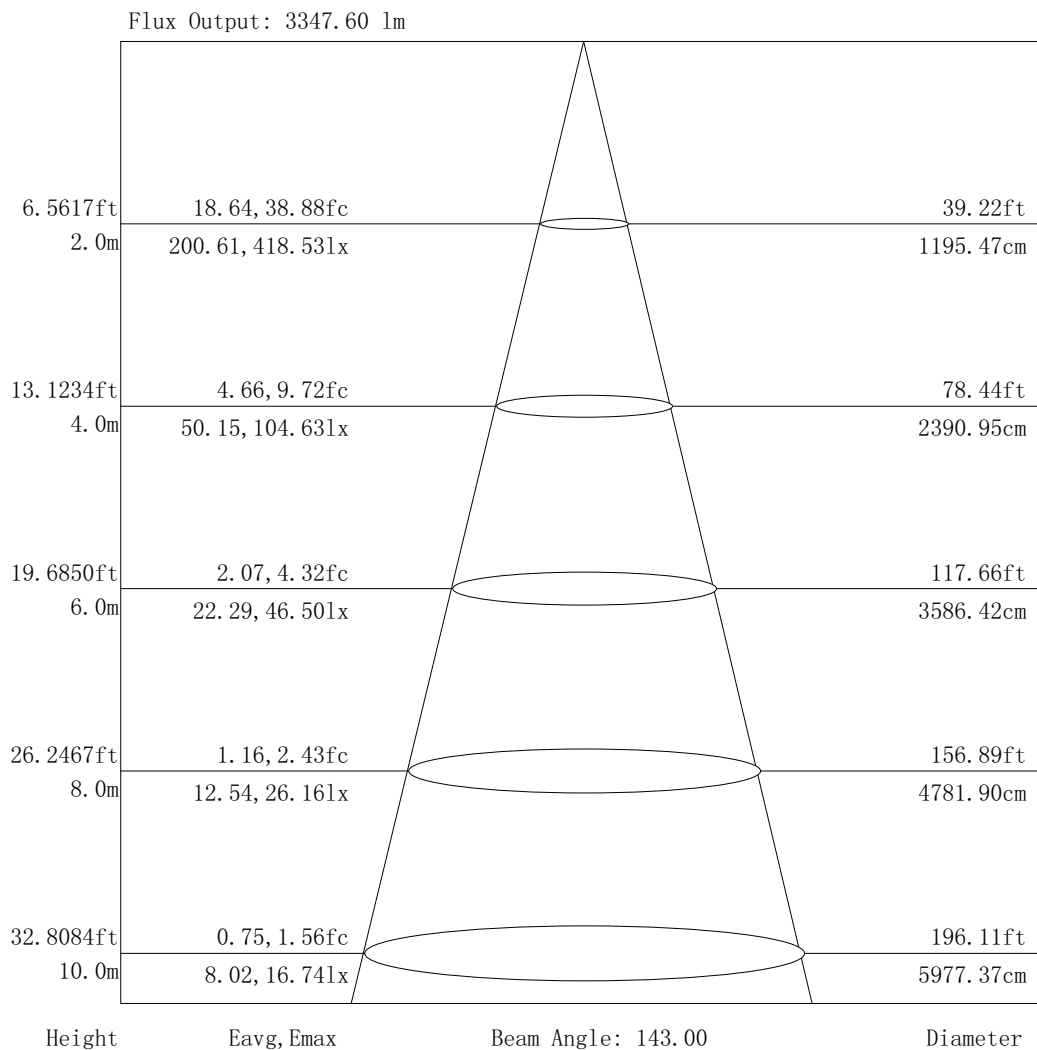


C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2017-02-18	Time:	13:47:02
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### Effective Average Illuminance Diagram

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	2PCS SLT815P440-S	Lamp Weight:	3.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	119.5*39.5*8.5	Light Area(cm):	0.0*0.0
Electrical:	U:277.200V I:0.125A P:31.100W			LuminareFlux:	1*3086.44 lm



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

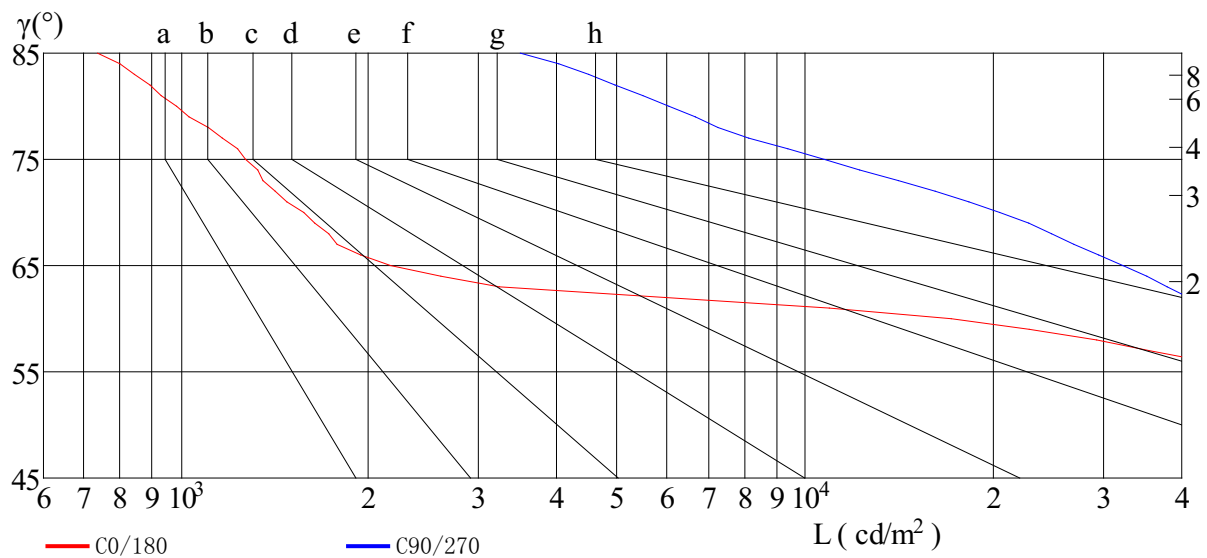
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2017-02-18	Time:	13:47:02
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### Luminance Limitation Curves

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	2PCS SLT815P440-S	Lamp Weight:	3.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	119.5*39.5*8.5	Light Area(cm):	0.0*0.0
Electrical:	U:277.200V I:0.125A P:31.100W			LuminareFlux:	1*3086.44 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	732	981	1265	1568	2161	17088	50416	77049	85016	cd/m2
C90	3486	6030	10696	20436	32204	45273	59763	72449	84721	

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: 13:47:02  
 Other:



## SSP6316-D50: Lamp Space Intensity Distribution Tester

### UTILIZATION FACTORS TABLE

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	2PCS SLT815P440-S	Lamp Weight:	3.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	119.5*39.5*8.5	Light Area(cm):	0.0*0.0
Electrical:	U:277.200V I:0.125A P:31.100W			LuminareFlux:	1*3086.44 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) $k(RI) \times RCR = 5$								
$k = 0.60$	63	52	46	63	52	46	61	51	45
0.80	74	63	57	73	63	56	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	85
2.50	103	97	92	101	95	90	97	92	88
3.00	106	100	96	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:	2017-02-18	Time:	13:47:02
Other:					