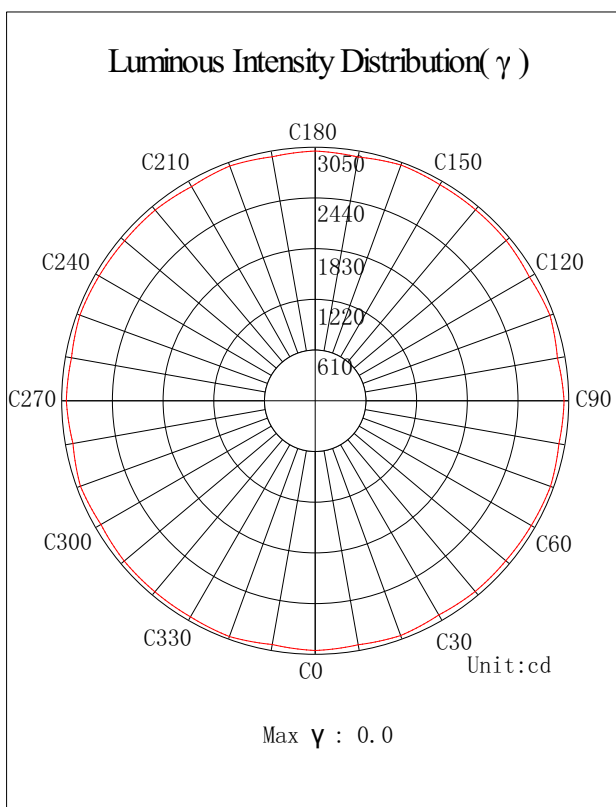
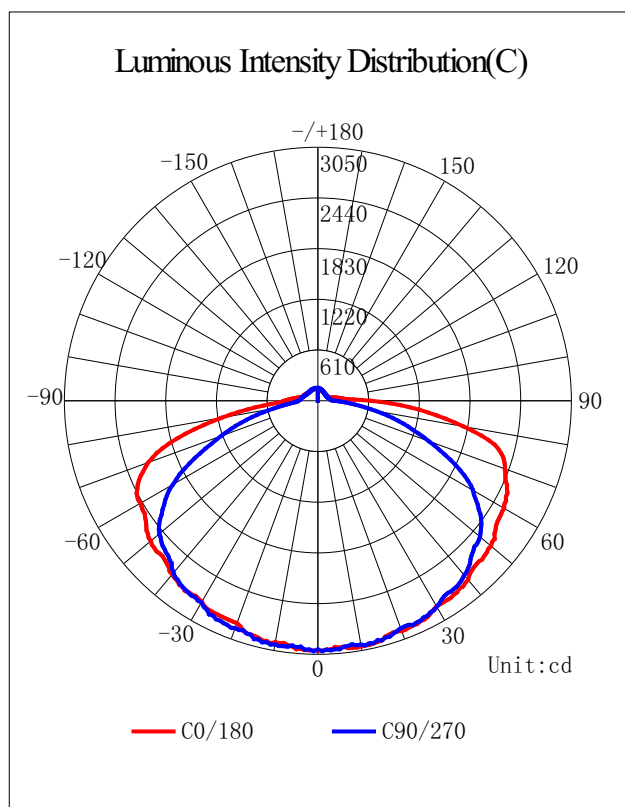


## SSP6316-D50: Lamp Space Intensity Distribution

### Photometric Data of Luminaire

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT828P450	Lamp Des:		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:278.200V I:0.663A P:178.000W			LuminareFlux:	1*0.00 lm

Lamp Test Data			
Lamp Flux:	14051.84 lm	Center Cd.:	2993.1 cd
Max(C, $\gamma$ ):	(160, 0.0)	Maximum Cd.:	3018.2 cd
BeamAngle(50%):	159.0 Deg	BeamAngle(10%):	190.0 Deg
Flux(0-90):	13023.93 lm(92.7%)	Flux(90-180):	1027.9 lm(7.3%)
LuminousEfficacy:	78.94 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:	2016-06-04	Time:	17:00:21
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	3001.7	2971.4	2979.4	2986.1	2948.5	2980.5	2978.1	2943.8	0-10	284.85	284.85	2.03	2.03
20	2946.1	2931.2	2913.3	2945.9	2848.3	2918.3	2911.9	2879.8	10-20	835.78	1120.62	7.98	7.98
30	2857.0	2870.9	2860.5	2834.2	2793.1	2806.2	2802.9	2813.1	20-30	1333.18	2453.80	17.47	17.47
40	2810.8	2755.8	2739.6	2730.1	2728.6	2683.7	2700.6	2686.6	30-40	1747.36	4201.16	29.90	29.90
50	2717.5	2568.2	2544.7	2599.3	2624.5	2553.6	2489.1	2495.4	40-50	2046.80	6247.97	44.47	44.47
60	2584.7	2328.9	2154.0	2403.5	2465.6	2355.6	2013.4	2212.7	50-60	2190.82	8438.79	60.06	60.06
70	2393.6	1994.7	1418.2	2080.6	2172.7	1993.9	1239.7	1777.0	60-70	2086.80	10525.59	74.91	74.91
80	1779.5	1371.5	712.3	1619.6	1174.7	1329.8	545.0	845.5	70-80	1646.19	12171.78	86.63	86.63
90	639.3	316.4	207.1	773.0	401.7	363.5	236.0	259.3	80-90	852.15	13023.93	92.69	92.69
100	218.5	134.7	141.3	209.9	225.3	203.5	197.9	181.8	90-100	293.11	13317.05	94.78	94.78
110	130.6	117.2	123.5	125.3	180.4	177.3	172.4	157.2	100-110	174.11	13491.16	96.01	96.01
120	121.5	111.4	117.0	116.4	160.3	159.8	154.2	143.1	110-120	139.86	13631.02	97.01	97.01
130	118.7	110.0	117.5	115.8	151.4	151.2	149.2	138.1	120-130	119.05	13750.07	97.86	97.86
140	120.6	112.5	121.2	120.5	149.8	150.3	149.3	136.0	130-140	101.17	13851.24	98.58	98.58
150	124.6	118.8	126.8	126.5	149.2	152.6	150.7	136.0	140-150	83.31	13934.55	99.17	99.17
160	131.9	128.8	135.6	132.5	148.2	153.2	151.5	138.6	150-160	63.45	13998.00	99.62	99.62
170	140.2	139.8	144.5	137.4	146.7	150.8	151.5	142.3	160-170	40.15	14038.14	99.91	99.91
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170-180	13.70	14051.84	100.00	100.00
DEG	LUMINOUS INTENSITY:cd									UNIT:lm			

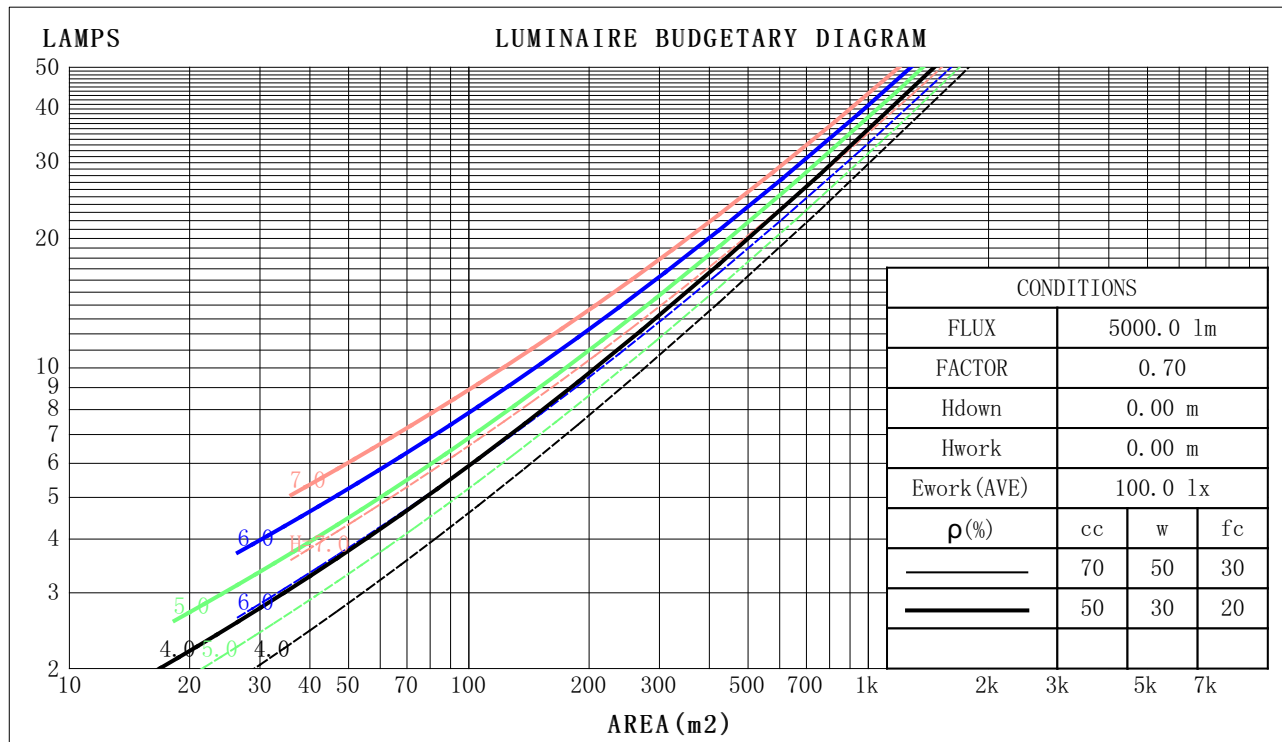
C Angle Range:	0-360Deg	$\gamma$ Range:	0-180Deg	Test No. :	001
C Precious:	10 Deg	$\gamma$ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2016-06-04	Time:	17:00:21
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT828P450	Lamp Des:		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:278.200V I:0.663A P:178.000W			LuminareFlux:	1*0.00 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	1.17	1.17	1.17	1.14	1.14	1.14	1.07	1.07	1.07	1.01	1.01	1.01	.95	.95	.95	.93
1.0	.98	.93	.88	.95	.90	.86	.89	.85	.81	.84	.81	.78	.79	.76	.74	.71
2.0	.83	.75	.68	.81	.73	.67	.76	.69	.64	.71	.66	.61	.67	.63	.59	.56
3.0	.72	.62	.55	.69	.61	.54	.65	.58	.52	.61	.55	.50	.58	.53	.48	.45
4.0	.62	.53	.45	.61	.51	.44	.57	.49	.43	.54	.47	.41	.51	.45	.40	.37
5.0	.55	.45	.38	.54	.44	.37	.50	.42	.36	.48	.41	.35	.45	.39	.34	.31
6.0	.49	.39	.32	.48	.39	.32	.45	.37	.31	.43	.36	.30	.40	.34	.29	.27
7.0	.44	.35	.28	.43	.34	.28	.41	.33	.27	.39	.32	.26	.37	.30	.26	.23
8.0	.40	.31	.25	.39	.30	.24	.37	.29	.24	.35	.28	.23	.33	.27	.23	.21
9.0	.37	.28	.22	.36	.27	.22	.34	.26	.21	.32	.26	.21	.31	.25	.20	.18
10.0	.34	.25	.20	.33	.25	.20	.31	.24	.19	.30	.23	.19	.28	.23	.18	.16



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:	2016-06-04	Time:	17:00:21
Other:					



## SSP6316-D50: Lamp Space Intensity Distribution

### WEC AND CCEC

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT828P450	Lamp Des:		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:278.200V I:0.663A P:178.000W			LuminareFlux:	1*0.00 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	.390	.222	.070	.380	.217	.069	.362	.208	.066	.346	.200	.064	.331	.192	.062	
2.0	.345	.189	.058	.337	.185	.057	.321	.178	.055	.306	.172	.054	.292	.165	.052	
3.0	.309	.164	.049	.301	.161	.049	.287	.155	.047	.273	.150	.046	.261	.144	.045	
4.0	.278	.145	.043	.271	.142	.042	.258	.137	.041	.246	.132	.040	.235	.128	.039	
5.0	.253	.129	.037	.247	.127	.037	.235	.122	.036	.224	.118	.035	.214	.114	.034	
6.0	.231	.116	.033	.226	.114	.033	.215	.110	.032	.205	.107	.031	.196	.103	.031	
7.0	.213	.105	.030	.208	.104	.030	.199	.100	.029	.190	.097	.028	.181	.094	.028	
8.0	.197	.096	.027	.193	.095	.027	.184	.092	.026	.176	.089	.026	.168	.086	.025	
9.0	.184	.089	.025	.179	.087	.025	.172	.085	.024	.164	.082	.024	.157	.080	.023	
10.0	.172	.082	.023	.168	.081	.023	.161	.079	.022	.154	.076	.022	.147	.074	.021	

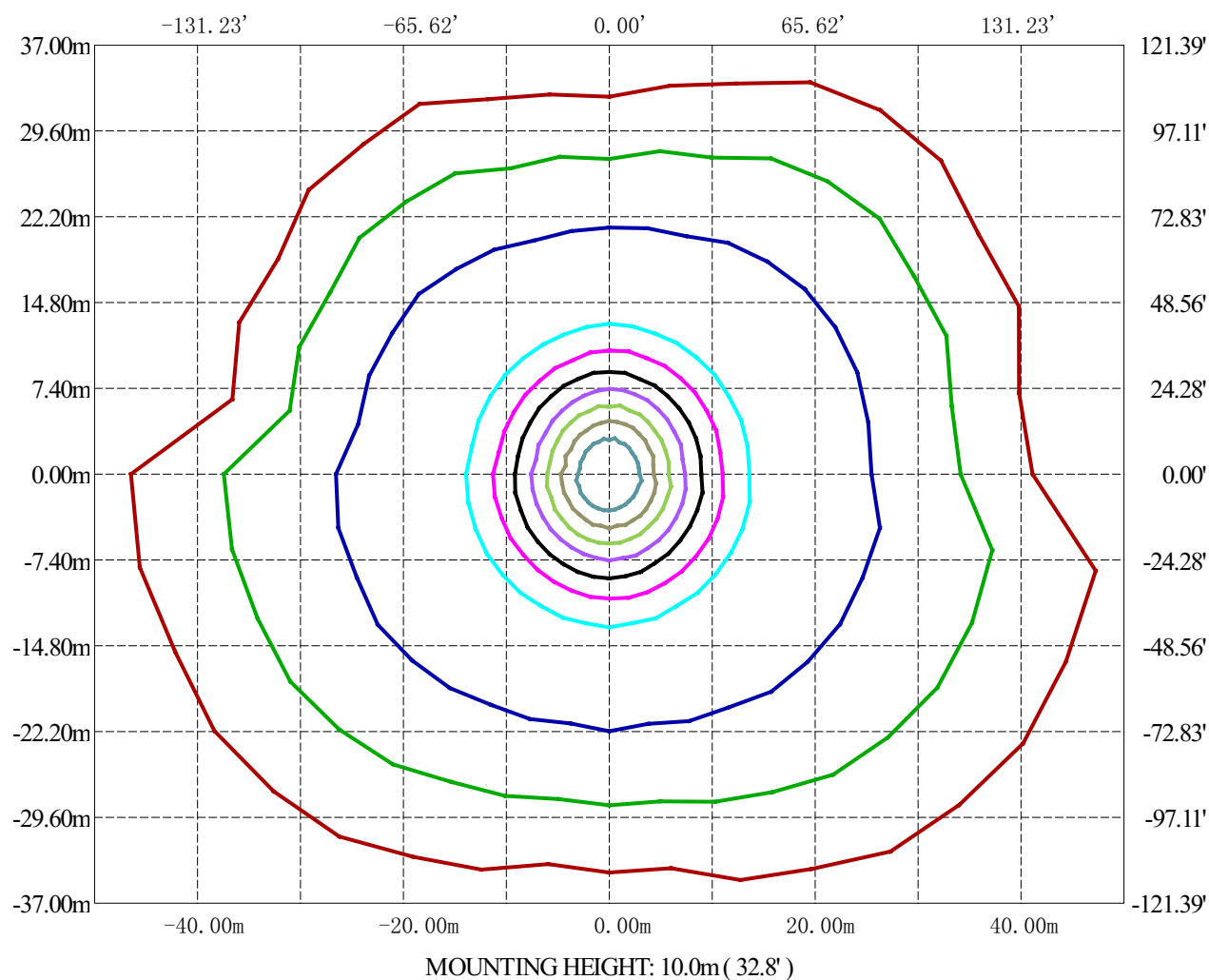
p <sub>cc</sub>	80%			70%			50%			30%			10%			0
p <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.246	.246	.246	.210	.210	.210	.144	.144	.144	.082	.082	.082	.026	.026	.026	
1.0	.242	.212	.184	.207	.182	.159	.142	.125	.110	.082	.072	.064	.026	.023	.021	
2.0	.236	.188	.148	.202	.162	.128	.138	.112	.089	.080	.065	.052	.026	.021	.017	
3.0	.229	.171	.126	.196	.148	.109	.135	.103	.076	.078	.060	.045	.025	.019	.015	
4.0	.221	.159	.111	.190	.137	.097	.130	.096	.068	.075	.056	.040	.024	.018	.013	
5.0	.213	.149	.101	.183	.129	.088	.126	.090	.062	.073	.053	.037	.024	.017	.012	
6.0	.206	.141	.094	.177	.122	.082	.122	.085	.058	.071	.050	.034	.023	.016	.011	
7.0	.198	.134	.089	.171	.116	.077	.118	.081	.055	.069	.048	.033	.022	.016	.011	
8.0	.191	.128	.085	.165	.111	.074	.114	.078	.053	.066	.046	.031	.021	.015	.010	
9.0	.185	.123	.082	.159	.107	.071	.110	.075	.051	.064	.044	.030	.021	.015	.010	
10.0	.179	.119	.079	.154	.104	.069	.107	.073	.049	.062	.043	.029	.020	.014	.010	

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: 2016-06-04      Time: 17:00:21  
 Other:

## SSP6316-D50: Lamp Space Intensity Distribution

### ISOLUX Diagram

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT828P450	Lamp Des:		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:278.200V I:0.663A P:178.000W			LuminareFlux:	1*0.00 lm



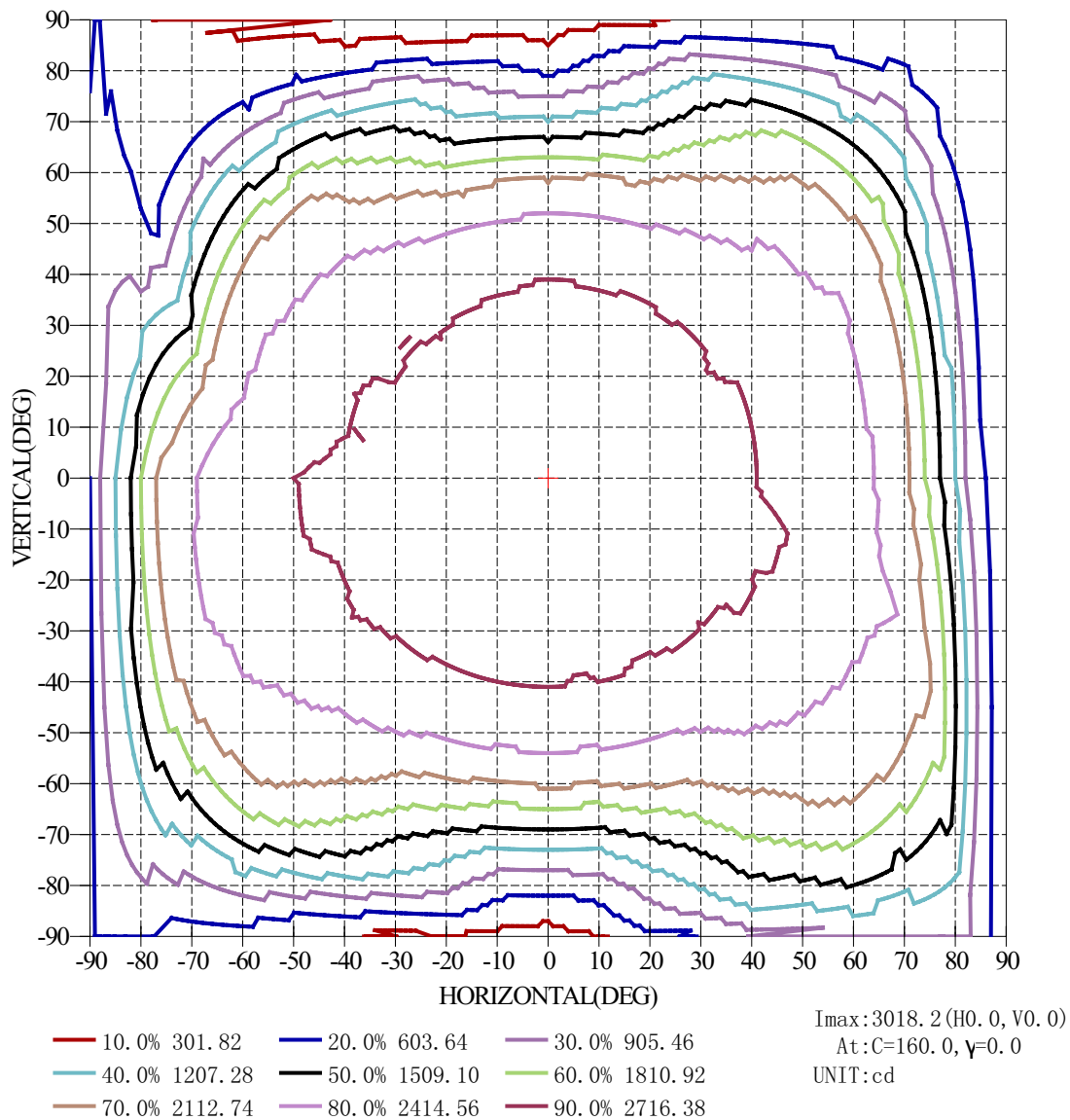
3.0% 0.8979lx 0.0834fc	5.0% 1.4966lx 0.1390fc	10.0% 2.9931lx 0.2781fc
30.0% 8.9794lx 0.8342fc	40.0% 11.9731lx 1.1122fc	50.0% 14.9661lx 1.3903fc
60.0% 17.9591lx 1.6684fc	70.0% 20.9521lx 1.9464fc	80.0% 23.9451lx 2.2245fc
90.0% 26.9381lx 2.5026fc		

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:	2016-06-04	Time:	17:00:21
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### ISOCANDELA Diagram

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT828P450	Lamp Des:		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:278.200V I:0.663A P:178.000W			LuminareFlux:	1*0.00 lm

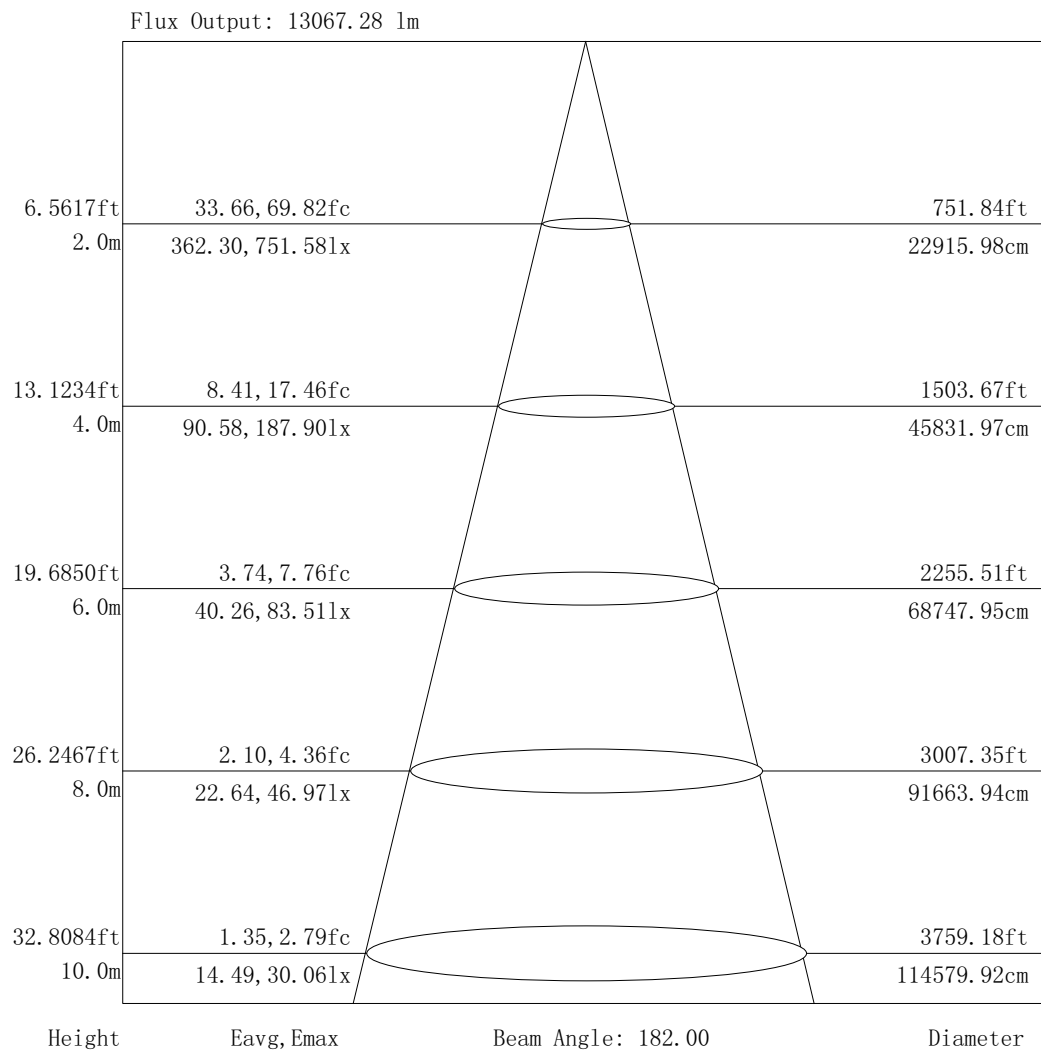


C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2016-06-04	Time:	17:00:21
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### Effective Average Illuminance Diagram

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT828P450	Lamp Des:		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:278.200V I:0.663A P:178.000W			LuminareFlux:	1*0.00 lm



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

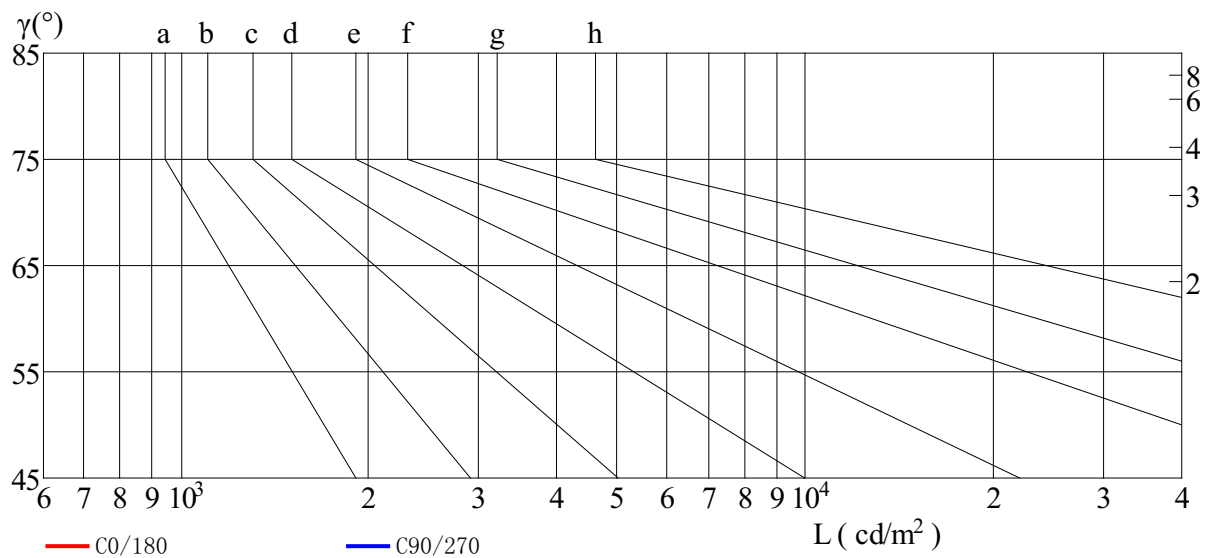
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2016-06-04	Time:	17:00:21
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### Luminance Limitation Curves

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT828P450	Lamp Des:		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:278.200V I:0.663A P:178.000W			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	122220	177953	224987	239357	251076	258473	261855	271752	273739	cd/m2
C90	40394	71233	106563	141819	182799	215401	238805	254472	261935	

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: 2016-06-04      Time: 17:00:21  
 Other:





## SSP6316-D50: Lamp Space Intensity Distribution Tester

### UTILIZATION FACTORS TABLE

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT828P450	Lamp Des:		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:278.200V I:0.663A P:178.000W			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
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) $k(RI) \times RCR = 5$								
$k = 0.60$	50	37	29	49	36	28	47	35	28
0.80	59	46	37	58	45	37	55	44	36
1.00	68	54	45	66	53	45	62	52	44
1.25	75	62	53	73	61	52	69	59	51
1.50	80	68	59	78	66	58	73	64	57
2.00	88	77	69	85	75	67	80	72	65
2.50	92	82	75	89	80	73	84	76	70
3.00	96	87	80	93	85	78	87	81	75
4.00	101	93	87	97	91	85	92	86	81
5.00	104	97	92	100	95	90	94	90	85
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:	2016-06-04	Time:	17:00:21
Other:					