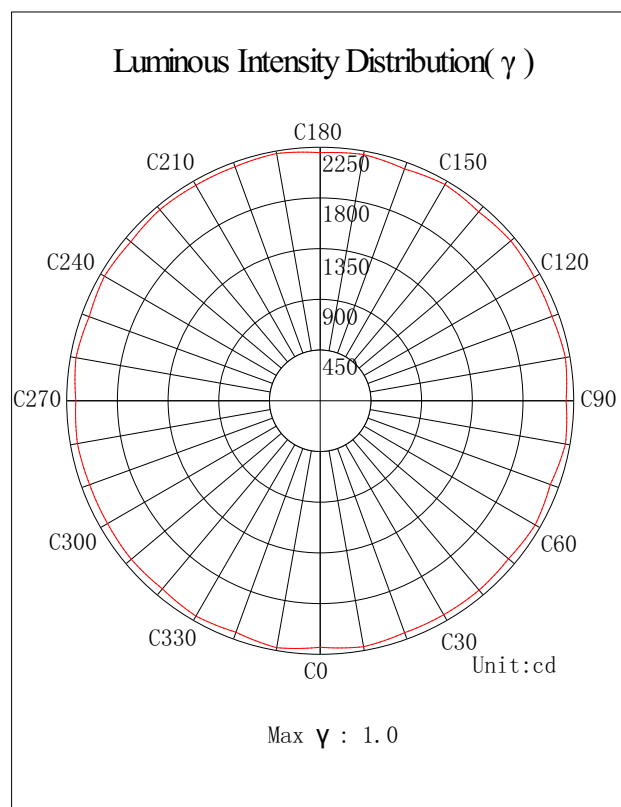
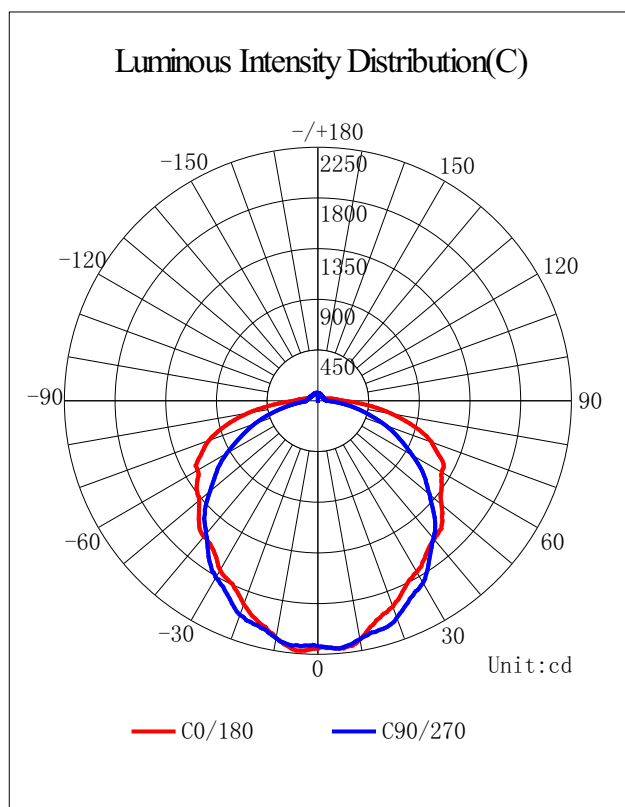


## SSP6316-D50: Lamp Space Intensity Distribution

### Photometric Data of Luminaire

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT818P450-S	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:0.274A P:71.100W			LuminareFlux:	1*0.00 lm

Lamp Test Data			
Lamp Flux:	7362.74 lm	Center Cd.:	2198.1 cd
Max(C, γ):	(190, 1.0)	Maximum Cd.:	2228.3 cd
BeamAngle(50%):	134.0 Deg	BeamAngle(10%):	181.0 Deg
Flux(0-90):	6896.42 lm(93.7%)	Flux(90-180):	466.3 lm(6.3%)
LuminousEfficacy:	103.55 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:	2016-06-04	Time:	13:39:18
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	2151.4	2173.5	2148.9	2152.5	2135.4	2130.2	2139.7	2148.8	0-10	207.68	207.68	2.83	2.83
20	1944.7	1987.6	2048.7	1994.6	1921.8	1934.8	2021.9	1943.7	10-20	583.28	790.95	10.75	10.75
30	1755.1	1737.1	1865.5	1755.8	1734.1	1714.3	1811.5	1707.5	20-30	861.40	1652.35	22.45	22.45
40	1604.0	1505.1	1596.1	1503.9	1573.7	1484.3	1544.2	1476.2	30-40	1031.17	2683.52	36.45	36.45
50	1431.9	1302.9	1294.4	1268.3	1376.7	1273.3	1248.9	1297.6	40-50	1099.48	3783.00	51.39	51.39
60	1271.3	1077.2	968.8	1043.3	1232.9	1049.7	934.7	1065.3	50-60	1057.82	4840.82	65.75	65.75
70	1074.5	873.0	641.3	865.2	1028.8	875.5	596.0	880.2	60-70	947.69	5788.51	78.62	78.62
80	664.5	585.2	314.9	615.8	631.0	575.3	269.5	539.9	70-80	731.13	6519.63	88.55	88.55
90	232.0	181.0	85.7	205.8	213.7	171.9	105.4	182.3	80-90	376.78	6896.42	93.67	93.67
100	105.9	69.8	62.4	66.0	105.3	88.1	89.4	93.6	90-100	133.15	7029.56	95.48	95.48
110	58.0	53.8	56.5	54.8	82.6	77.5	79.3	78.5	100-110	77.85	7107.41	96.54	96.54
120	54.9	49.7	53.8	53.4	74.8	71.8	71.2	69.1	110-120	63.98	7171.39	97.41	97.41
130	53.6	48.6	52.9	54.0	69.3	68.6	67.0	64.1	120-130	54.34	7225.74	98.14	98.14
140	54.3	50.3	54.0	55.5	66.3	67.2	66.3	62.7	130-140	46.07	7271.81	98.77	98.77
150	57.1	53.6	57.5	58.3	66.1	67.0	67.4	63.3	140-150	37.87	7309.68	99.28	99.28
160	60.3	57.4	61.8	62.0	67.0	67.9	68.6	64.1	150-160	28.77	7338.44	99.67	99.67
170	62.3	61.2	65.1	64.7	66.5	68.0	68.2	64.7	160-170	18.13	7356.57	99.92	99.92
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170-180	6.17	7362.74	100.00	100.00
DEG	LUMINOUS INTENSITY:cd									UNIT:lm			

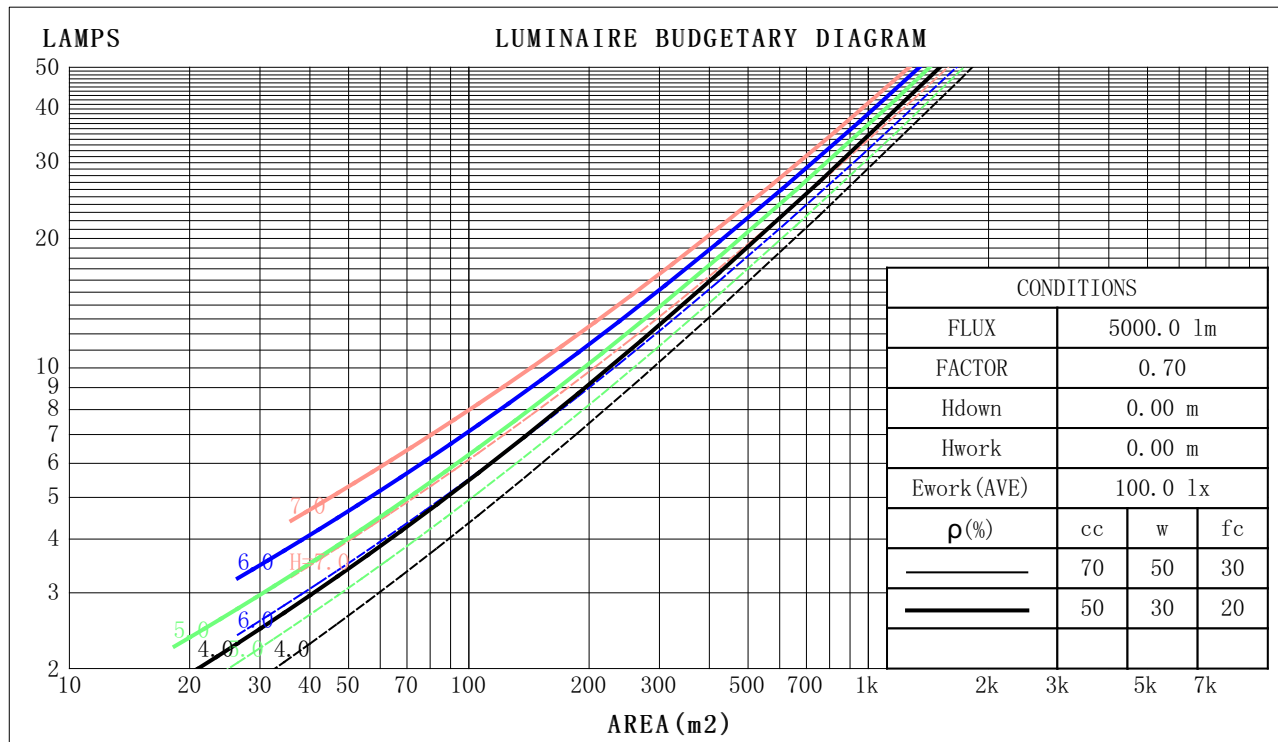
C Angle Range:	0-360Deg	$\gamma$ Range:	0-180Deg	Test No. :	001
C Precious:	10 Deg	$\gamma$ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2016-06-04	Time:	13:39:18
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT818P450-S	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:0.274A P:71.100W			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	1.18	1.18	1.18	1.14	1.14	1.14	1.08	1.08	1.08	1.02	1.02	1.02	.96	.96	.96	.94
1.0	1.00	.95	.90	.97	.92	.88	.91	.87	.84	.86	.83	.80	.82	.79	.77	.74
2.0	.86	.78	.72	.83	.76	.70	.78	.73	.68	.74	.69	.65	.70	.66	.63	.60
3.0	.75	.66	.59	.72	.64	.58	.68	.62	.56	.65	.59	.54	.61	.56	.52	.50
4.0	.66	.56	.49	.64	.55	.48	.60	.53	.47	.57	.51	.46	.54	.49	.44	.42
5.0	.58	.49	.42	.57	.48	.41	.54	.46	.40	.51	.45	.39	.49	.43	.38	.36
6.0	.52	.43	.36	.51	.42	.36	.49	.41	.35	.46	.40	.34	.44	.38	.34	.31
7.0	.47	.38	.32	.46	.38	.32	.44	.37	.31	.42	.35	.30	.40	.34	.30	.28
8.0	.43	.34	.28	.42	.34	.28	.40	.33	.28	.39	.32	.27	.37	.31	.27	.24
9.0	.40	.31	.26	.39	.31	.25	.37	.30	.25	.36	.29	.24	.34	.28	.24	.22
10.0	.37	.28	.23	.36	.28	.23	.34	.27	.23	.33	.27	.22	.32	.26	.22	.20



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: 13:39:18  
 Other:



## SSP6316-D50: Lamp Space Intensity Distribution

### WEC AND CCEC

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT818P450-S	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:0.274A P:71.100W			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	.362	.206	.065	.352	.201	.064	.335	.192	.061	.320	.184	.059	.305	.177	.057	
2.0	.323	.177	.054	.315	.174	.053	.300	.167	.052	.286	.160	.050	.273	.154	.049	
3.0	.291	.155	.046	.284	.152	.046	.270	.146	.044	.257	.141	.043	.246	.136	.042	
4.0	.264	.137	.040	.257	.135	.040	.245	.130	.039	.234	.126	.038	.223	.121	.037	
5.0	.241	.123	.036	.235	.121	.035	.224	.117	.034	.214	.113	.034	.204	.109	.033	
6.0	.222	.111	.032	.216	.109	.031	.206	.106	.031	.197	.102	.030	.188	.099	.029	
7.0	.205	.101	.029	.200	.100	.028	.191	.097	.028	.183	.094	.027	.175	.091	.027	
8.0	.190	.093	.026	.186	.092	.026	.178	.089	.025	.170	.086	.025	.163	.084	.024	
9.0	.178	.086	.024	.174	.085	.024	.166	.082	.023	.159	.080	.023	.153	.078	.022	
10.0	.166	.080	.022	.163	.079	.022	.156	.076	.022	.150	.074	.021	.144	.072	.021	

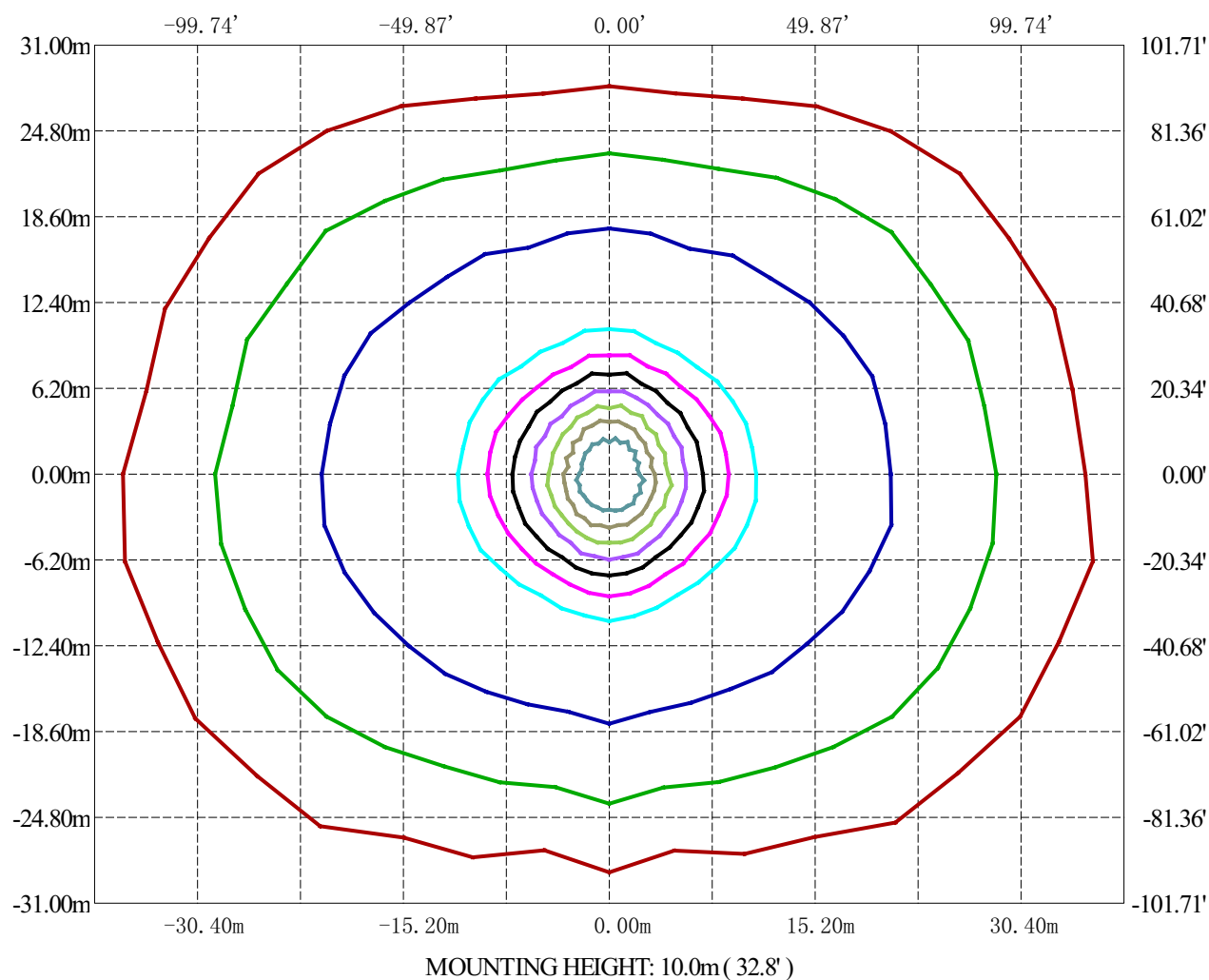
p <sub>cc</sub>	80%			70%			50%			30%			10%			0
p <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.239	.239	.239	.204	.204	.204	.139	.139	.139	.080	.080	.080	.026	.026	.026	
1.0	.233	.204	.179	.199	.175	.154	.136	.121	.107	.078	.070	.062	.025	.022	.020	
2.0	.225	.181	.143	.193	.156	.124	.132	.108	.086	.076	.063	.051	.024	.020	.016	
3.0	.218	.164	.121	.187	.141	.105	.128	.098	.073	.074	.057	.043	.024	.019	.014	
4.0	.210	.151	.106	.180	.130	.092	.124	.091	.065	.072	.053	.038	.023	.017	.013	
5.0	.202	.141	.095	.174	.122	.083	.120	.085	.058	.069	.050	.035	.022	.016	.011	
6.0	.195	.132	.088	.167	.115	.076	.115	.080	.054	.067	.047	.032	.022	.015	.011	
7.0	.188	.126	.082	.161	.109	.072	.111	.076	.051	.065	.045	.030	.021	.015	.010	
8.0	.181	.120	.078	.156	.104	.068	.108	.073	.048	.063	.043	.029	.020	.014	.010	
9.0	.175	.115	.075	.150	.100	.065	.104	.070	.046	.061	.041	.028	.020	.014	.009	
10.0	.169	.111	.072	.145	.096	.063	.101	.068	.045	.059	.040	.027	.019	.013	.009	

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: 13:39:18  
 Other:

## SSP6316-D50: Lamp Space Intensity Distribution

### ISOLUX Diagram

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT818P450-S	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:0.274A P:71.100W			LuminareFlux:	1*0.00 lm



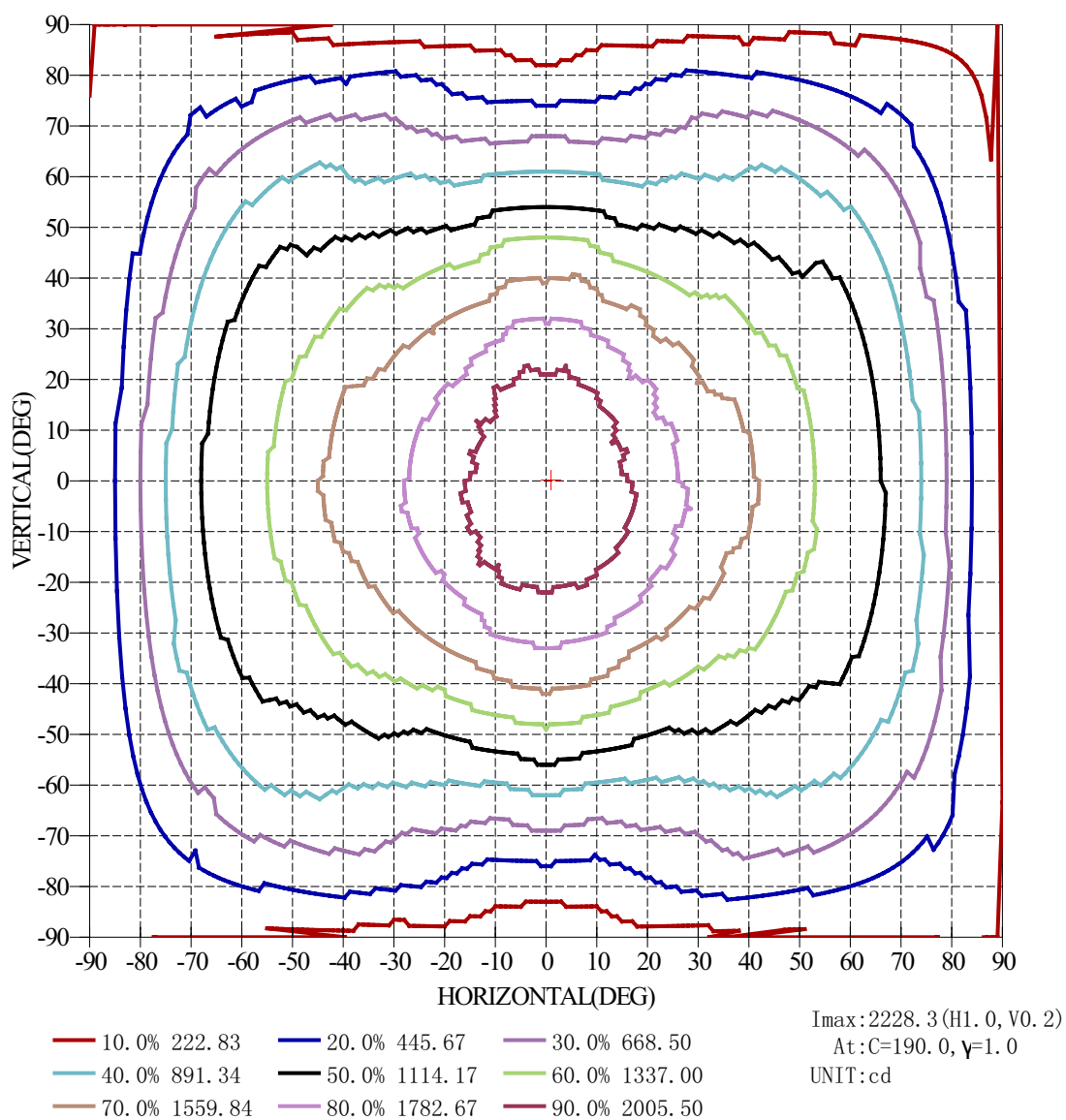
3.0% 0.6594lx 0.0613fc	5.0% 1.0991lx 0.1021fc	10.0% 2.1981lx 0.2042fc
30.0% 6.5944lx 0.6126fc	40.0% 8.7926lx 0.8168fc	50.0% 10.991lx 1.0210fc
60.0% 13.1891lx 1.2252fc	70.0% 15.3871lx 1.4295fc	80.0% 17.5851lx 1.6337fc
90.0% 19.7831lx 1.8379fc		

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:	13:39:18
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### ISOCANDELA Diagram

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT818P450-S	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:0.274A P:71.100W			LuminareFlux:	1*0.00 lm

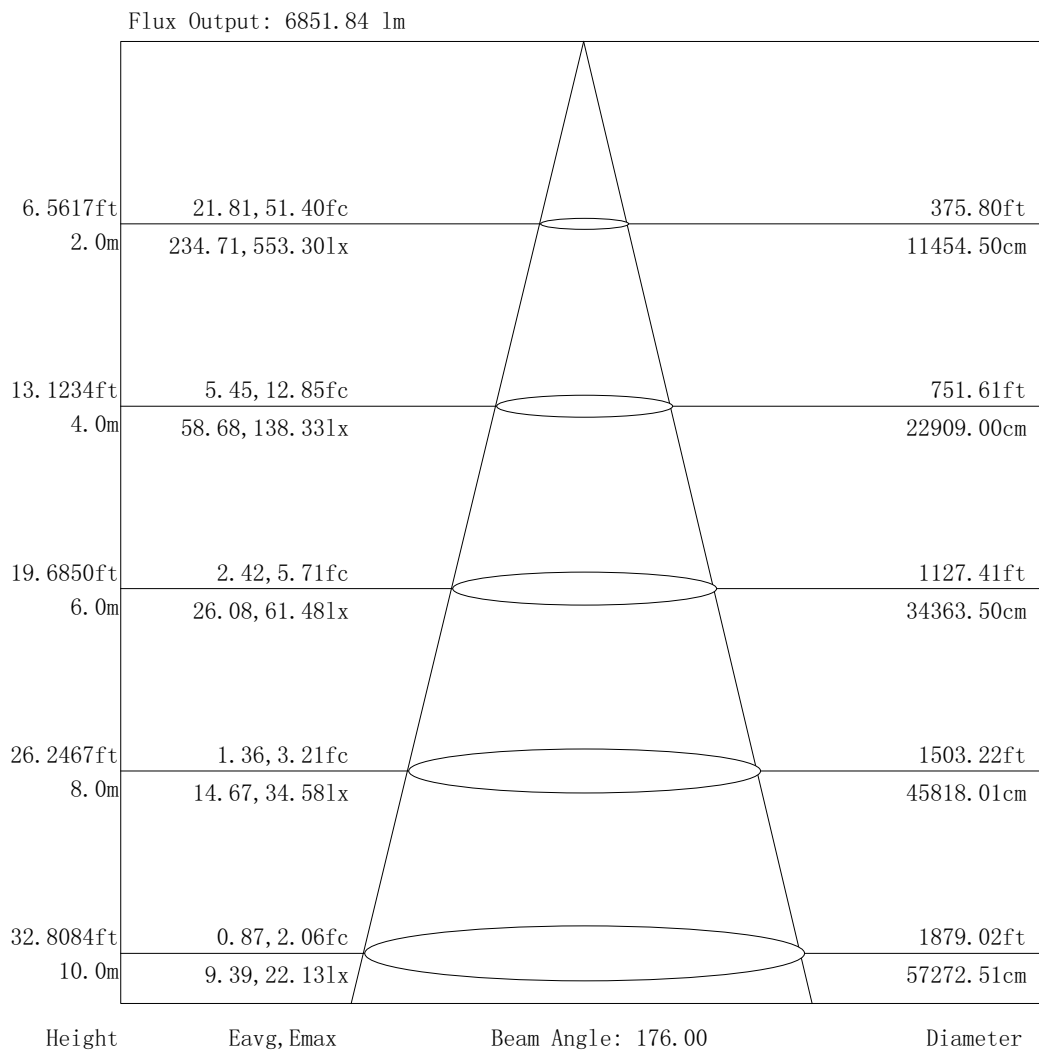


C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2016-06-04	Time:	13:39:18
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### Effective Average Illuminance Diagram

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT818P450-S	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:0.274A P:71.100W			LuminareFlux:	1*0.00 lm



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

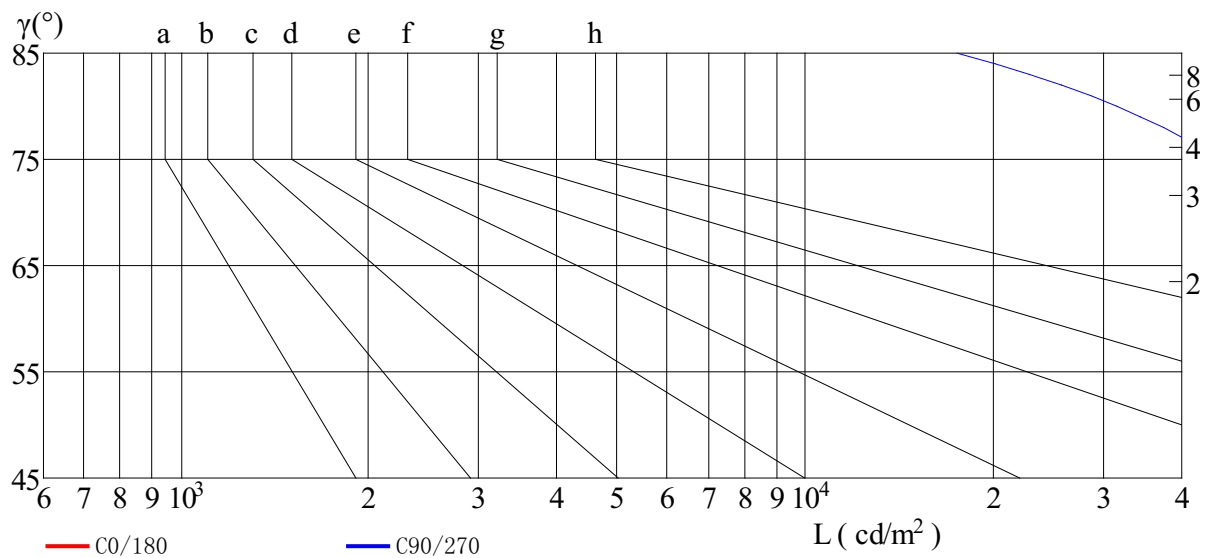
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No. :	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2016-06-04	Time:	13:39:18
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### Luminance Limitation Curves

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT818P450-S	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:0.274A P:71.100W			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	43854	66450	88824	107446	120359	127131	133984	143191	155421	cd/m2
C90	17457	31493	46512	64128	79964	96884	114762	129442	146612	

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: 13:39:18  
 Other:



## SSP6316-D50: Lamp Space Intensity Distribution Tester

### UTILIZATION FACTORS TABLE

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT818P450-S	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:0.274A P:71.100W			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) $k(RI) \times RCR = 5$								
$k = 0.60$	54	41	33	53	41	33	51	40	33
0.80	63	50	42	62	50	42	59	48	41
1.00	71	59	50	70	58	50	66	56	49
1.25	78	66	58	76	65	57	72	63	56
1.50	83	72	64	81	71	63	77	68	61
2.00	90	80	73	88	79	72	83	75	69
2.50	94	85	78	92	83	77	87	80	74
3.00	98	90	83	95	88	82	90	84	79
4.00	102	96	90	99	93	88	94	89	84
5.00	105	99	94	102	97	92	96	92	88
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:	13:39:18
Other:					