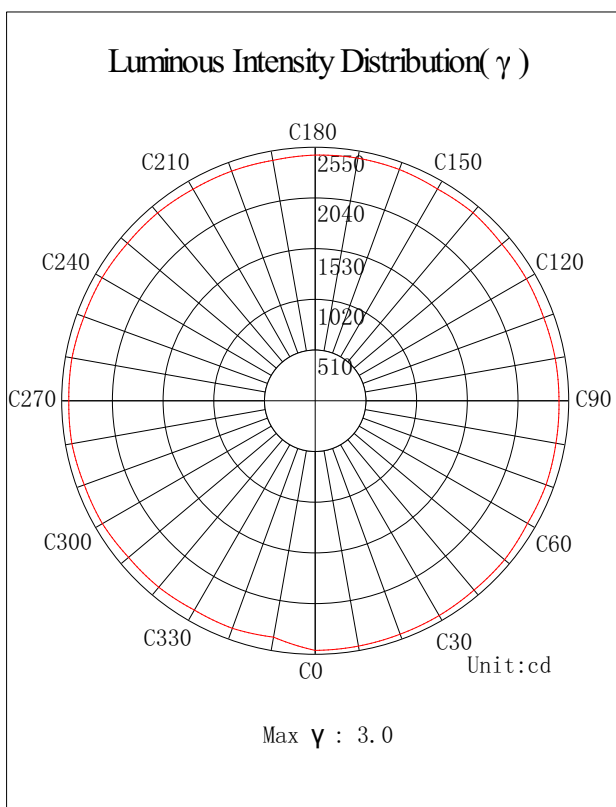
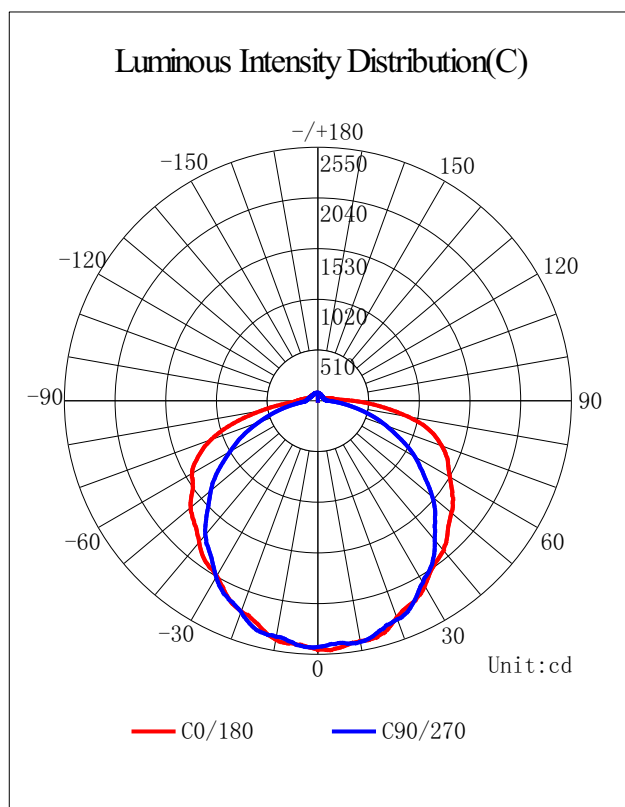


SSP6316-D50: Lamp Space Intensity Distribution

Photometric Data of Luminaire

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT813P450-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:278.500V I:0.310A P:81.100W			LuminareFlux:	1*0.00 lm

Lamp Test Data			
Lamp Flux:	8610.38 lm	Center Cd.:	2469.0 cd
Max(C, γ):	(0, 3.0)	Maximum Cd.:	2510.6 cd
BeamAngle(50%):	139.0 Deg	BeamAngle(10%):	183.0 Deg
Flux(0-90):	8074.60 lm(93.8%)	Flux(90-180):	535.8 lm(6.2%)
LuminousEfficacy:	106.17 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:	16:43:53
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Zonal Flux Diagram

Zonal Flux Diagram:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Fzone	Ftotal	%lamp	%lum
10	2454.7	2444.4	2462.3	2455.1	2439.5	2444.8	2409.4	2372.0	0-10	233.93	233.93	2.72	2.72
20	2318.8	2320.4	2338.9	2365.9	2254.2	2264.2	2259.7	2171.4	10-20	669.52	903.45	10.50	10.50
30	2150.6	2093.1	2111.8	2135.0	2034.9	2024.5	2046.2	1939.1	20-30	1007.65	1911.10	22.20	22.20
40	1967.2	1826.3	1829.1	1876.9	1857.6	1771.2	1761.5	1680.5	30-40	1217.40	3128.50	36.34	36.34
50	1752.6	1547.2	1503.3	1606.2	1669.7	1524.6	1405.9	1417.8	40-50	1297.47	4425.97	51.41	51.41
60	1533.7	1271.9	1127.8	1336.7	1460.7	1269.9	1018.6	1153.1	50-60	1254.47	5680.44	65.98	65.98
70	1326.1	1021.7	731.6	1082.5	1143.3	1019.8	632.9	904.6	60-70	1110.97	6791.41	78.88	78.88
80	923.0	723.0	358.5	836.0	580.8	645.8	282.8	450.9	70-80	847.49	7638.90	88.72	88.72
90	351.6	206.2	105.1	374.2	211.1	184.4	120.6	147.6	80-90	435.70	8074.60	93.78	93.78
100	136.8	83.1	72.8	107.6	122.0	105.9	100.7	94.5	90-100	154.82	8229.43	95.58	95.58
110	68.1	61.7	64.1	63.8	93.8	90.9	88.2	81.8	100-110	91.80	8321.23	96.65	96.65
120	64.0	57.9	59.7	59.9	83.3	82.9	80.3	73.6	110-120	72.27	8393.50	97.49	97.49
130	62.6	57.0	59.2	59.5	78.3	78.7	77.4	70.4	120-130	61.45	8454.95	98.20	98.20
140	62.8	58.2	61.6	61.3	77.1	77.9	76.3	69.5	130-140	52.18	8507.13	98.81	98.81
150	64.6	61.4	65.3	64.2	77.5	78.6	76.5	69.8	140-150	42.93	8550.06	99.30	99.30
160	68.2	66.4	69.5	67.7	77.3	79.1	77.6	71.1	150-160	32.65	8582.71	99.68	99.68
170	72.3	71.7	72.9	70.5	75.8	78.2	78.2	72.3	160-170	20.64	8603.34	99.92	99.92
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170-180	7.03	8610.38	100.00	100.00
DEG	LUMINOUS INTENSITY:cd									UNIT:lm			

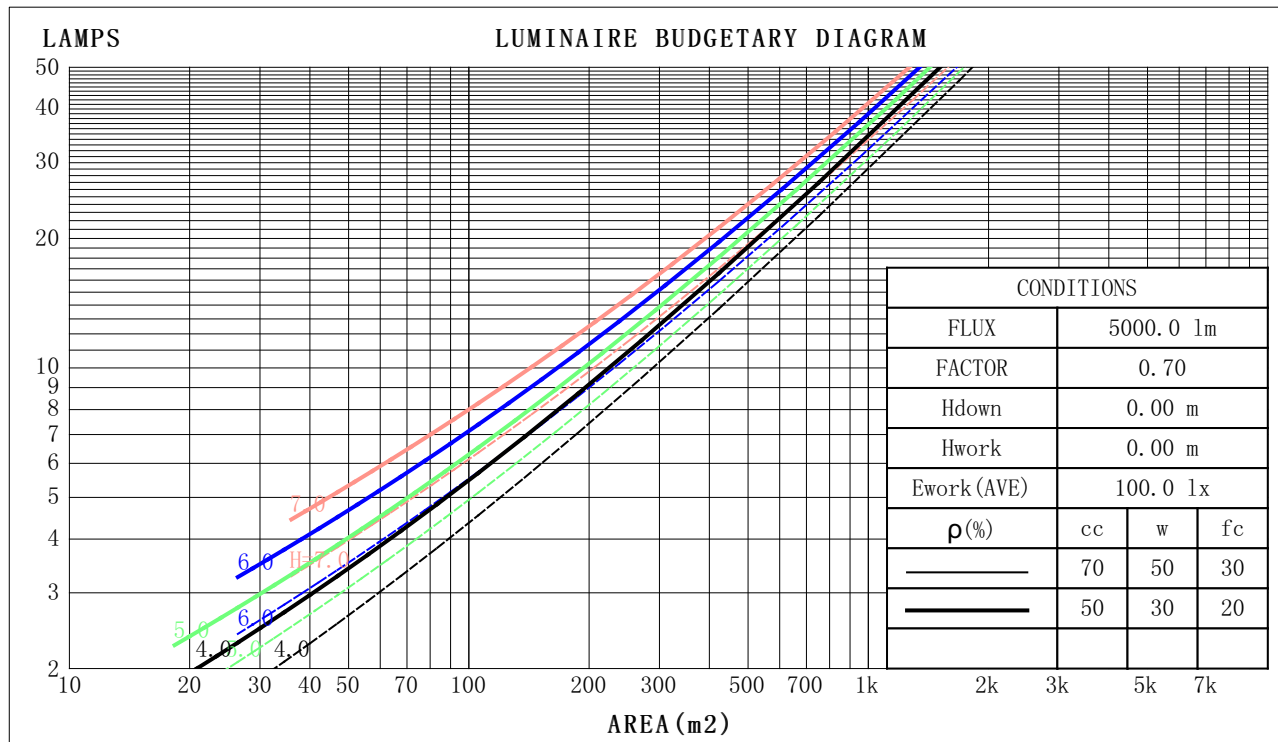
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No. :	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2016-06-04	Time:	16:43:53
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT813P450-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:278.500V I:0.310A P:81.100W			LuminareFlux:	1*0.00 lm

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	.88	.84	.86	.83	.80	.82	.79	.77	.74
2.0	.86	.78	.72	.83	.76	.70	.79	.73	.68	.74	.69	.65	.70	.66	.63	.60
3.0	.75	.66	.59	.72	.64	.58	.68	.62	.56	.65	.59	.54	.61	.57	.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	.39	.34	.44	.38	.33	.31
7.0	.47	.38	.32	.46	.38	.32	.44	.36	.31	.42	.35	.30	.40	.34	.30	.27
8.0	.43	.34	.28	.42	.34	.28	.40	.33	.28	.39	.32	.27	.37	.31	.26	.24
9.0	.40	.31	.25	.39	.31	.25	.37	.30	.25	.36	.29	.24	.34	.28	.24	.22
10.0	.36	.28	.23	.36	.28	.23	.34	.27	.22	.33	.26	.22	.32	.26	.22	.20



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: 16:43:53
 Other:



SSP6316-D50: Lamp Space Intensity Distribution

WEC AND CCEC

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT813P450-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:278.500V I:0.310A P:81.100W			LuminareFlux:	1*0.00 lm

p _{cc}	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)															
0.0																
1.0	.361	.205	.065	.352	.201	.064	.335	.192	.061	.319	.184	.059	.305	.177	.057	
2.0	.323	.177	.054	.315	.173	.053	.300	.167	.052	.286	.160	.050	.273	.154	.049	
3.0	.291	.155	.046	.284	.152	.046	.270	.146	.045	.258	.141	.043	.246	.136	.042	
4.0	.264	.137	.040	.258	.135	.040	.246	.130	.039	.234	.126	.038	.224	.121	.037	
5.0	.241	.123	.036	.236	.121	.035	.225	.117	.034	.214	.113	.034	.205	.109	.033	
6.0	.222	.111	.032	.217	.109	.031	.207	.106	.031	.198	.103	.030	.189	.099	.030	
7.0	.205	.101	.029	.200	.100	.028	.191	.097	.028	.183	.094	.027	.175	.091	.027	
8.0	.191	.093	.026	.186	.092	.026	.178	.089	.025	.171	.086	.025	.163	.084	.024	
9.0	.178	.086	.024	.174	.085	.024	.167	.082	.023	.160	.080	.023	.153	.078	.022	
10.0	.167	.080	.022	.163	.079	.022	.156	.077	.022	.150	.075	.021	.144	.072	.021	

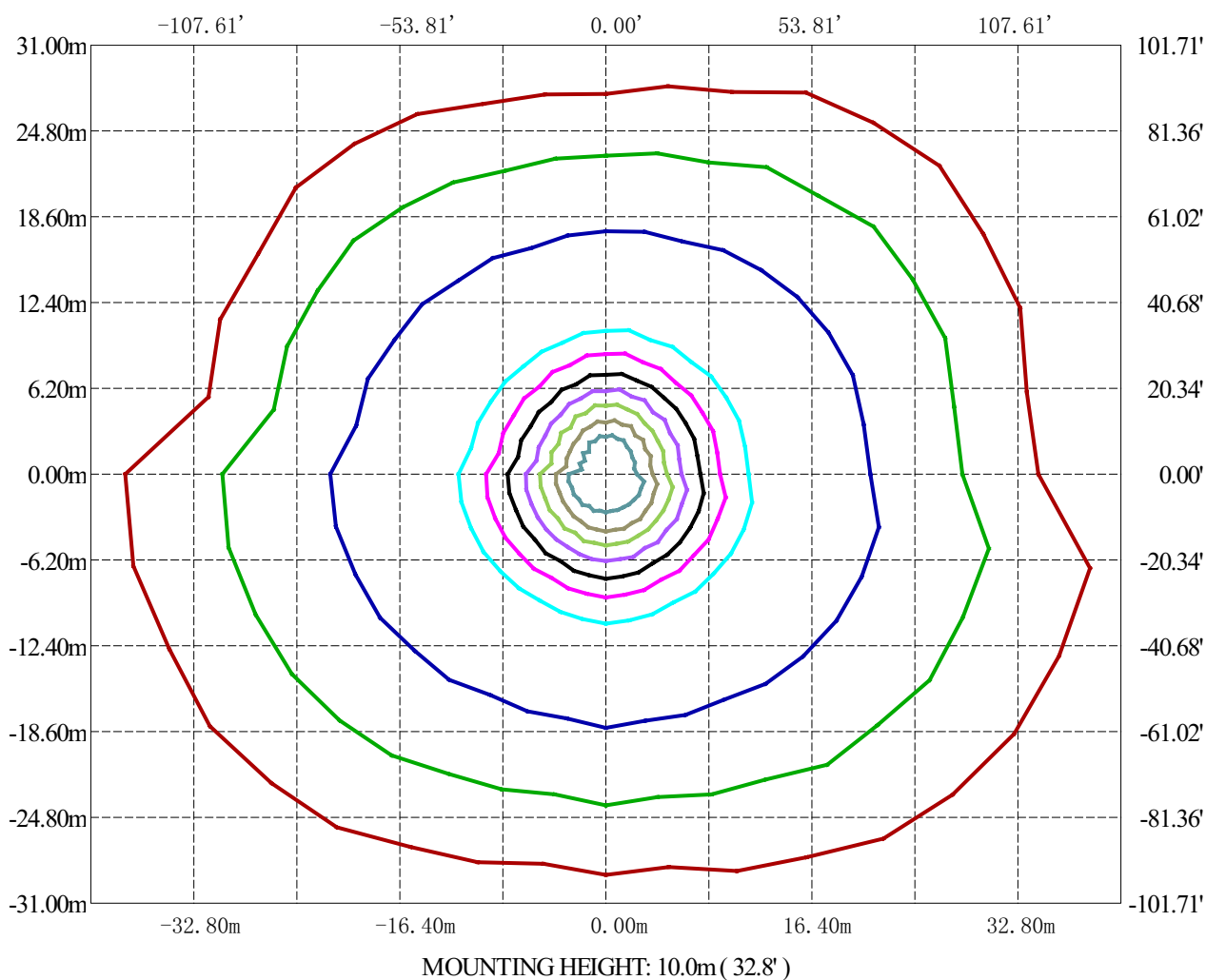
ρ _{cc}	80%			70%			50%			30%			10%			0
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.238	.238	.238	.203	.203	.203	.139	.139	.139	.080	.080	.080	.025	.025	.025	
1.0	.232	.203	.178	.198	.175	.153	.136	.120	.106	.078	.070	.062	.025	.022	.020	
2.0	.225	.180	.142	.192	.155	.123	.132	.107	.086	.076	.062	.050	.024	.020	.016	
3.0	.217	.163	.120	.186	.140	.104	.128	.098	.073	.074	.057	.043	.024	.019	.014	
4.0	.209	.150	.105	.179	.130	.091	.123	.090	.064	.071	.053	.038	.023	.017	.012	
5.0	.201	.140	.094	.173	.121	.082	.119	.084	.058	.069	.050	.034	.022	.016	.011	
6.0	.194	.132	.087	.167	.114	.076	.115	.080	.054	.067	.047	.032	.022	.015	.011	
7.0	.187	.125	.081	.161	.108	.071	.111	.076	.050	.065	.045	.030	.021	.015	.010	
8.0	.180	.119	.077	.155	.103	.067	.107	.073	.048	.062	.043	.028	.020	.014	.009	
9.0	.174	.114	.074	.150	.099	.065	.104	.070	.046	.060	.041	.027	.020	.014	.009	
10.0	.168	.110	.071	.145	.095	.062	.100	.067	.044	.059	.040	.026	.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: 16:43:53
 Other:

SSP6316-D50: Lamp Space Intensity Distribution

ISOLUX Diagram

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT813P450-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:278.500V I:0.310A P:81.100W			LuminareFlux:	1*0.00 lm



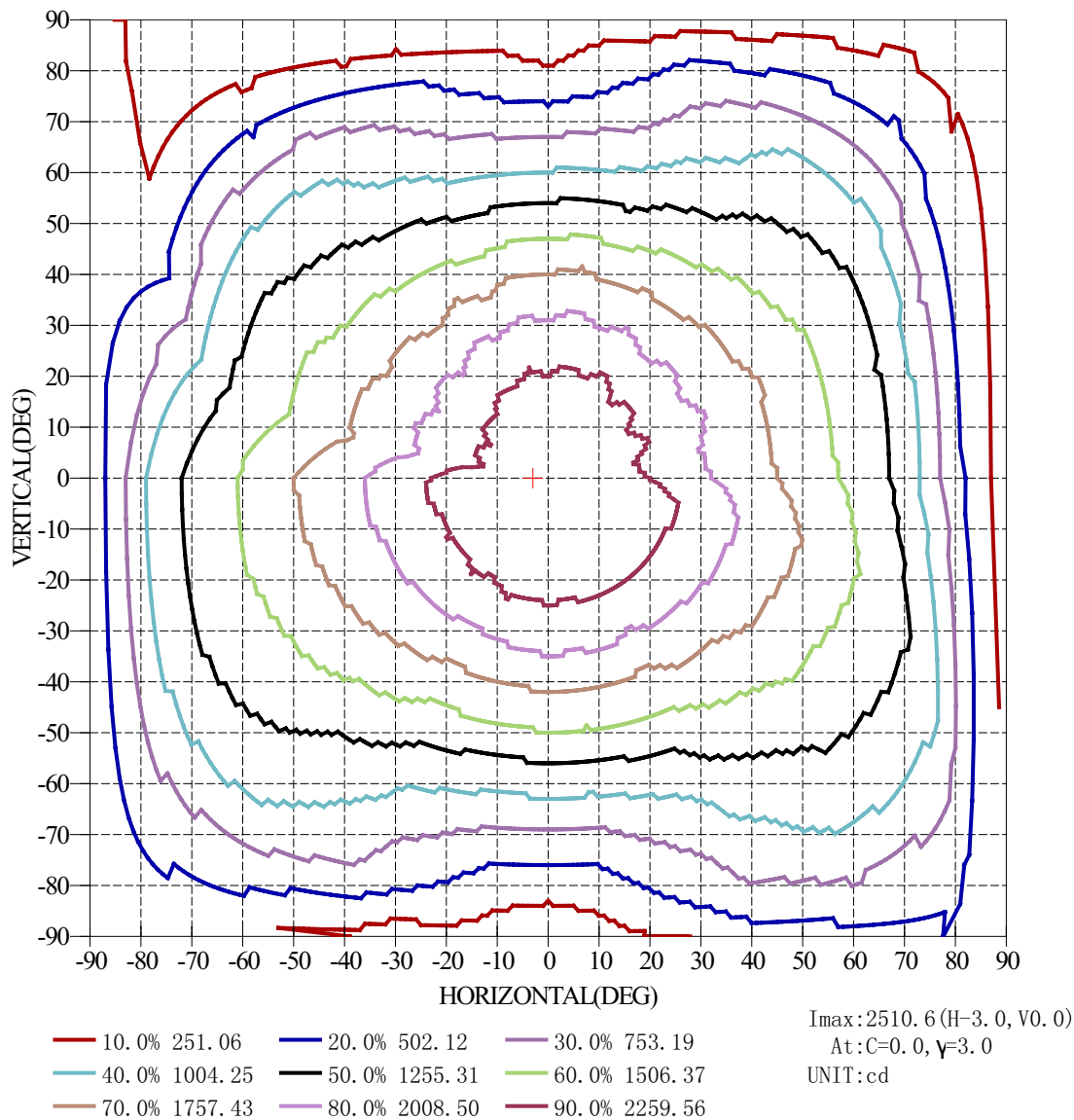
3.0% 0.7407lx 0.0688fc	5.0% 1.2345lx 0.1147fc	10.0% 2.4690lx 0.2294fc
30.0% 7.4069lx 0.6881fc	40.0% 9.8759lx 0.9175fc	50.0% 12.3451lx 1.1468fc
60.0% 14.8141lx 1.3762fc	70.0% 17.2831lx 1.6056fc	80.0% 19.7521lx 1.8349fc
90.0% 22.2211lx 2.0643fc		

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:	16:43:53
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

ISOCANDELA Diagram

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT813P450-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:278.500V I:0.310A P:81.100W			LuminareFlux:	1*0.00 lm

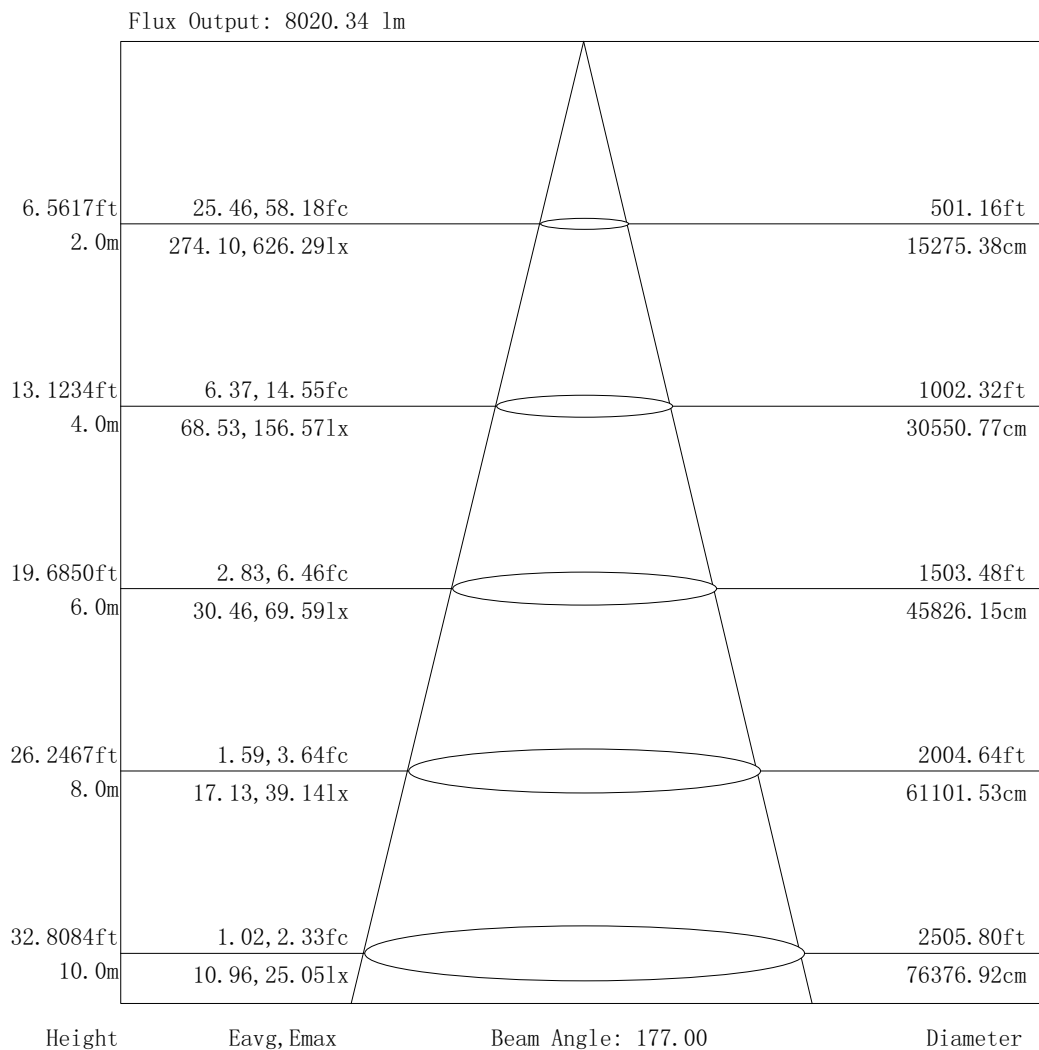


C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2016-06-04	Time:	16:43:53
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Effective Average Illuminance Diagram

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT813P450-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:278.500V I:0.310A P:81.100W			LuminareFlux:	1*0.00 lm



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

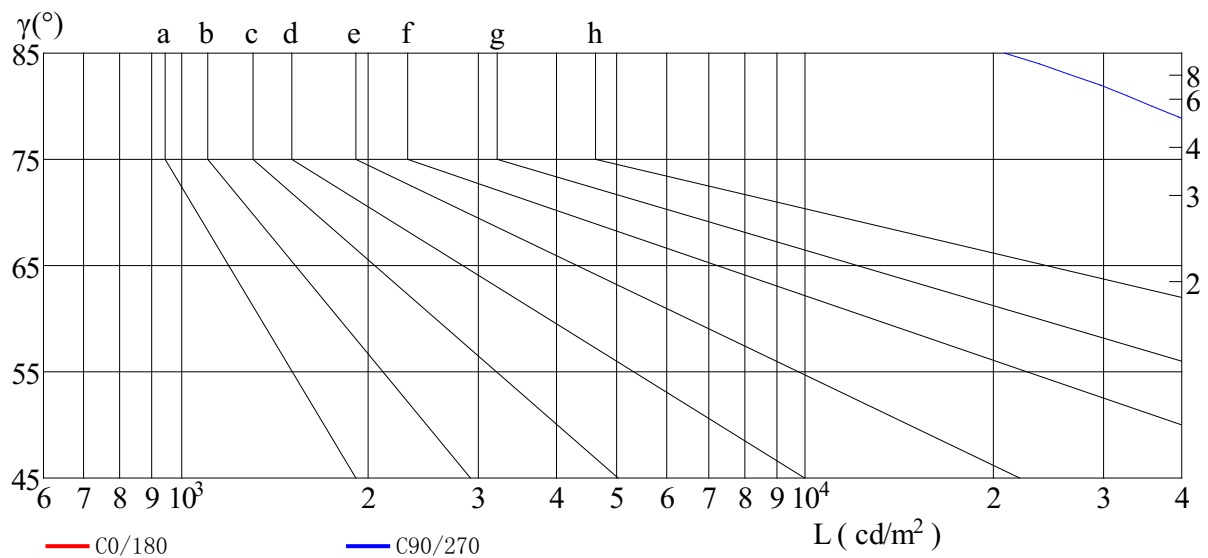
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2016-06-04	Time:	16:43:53
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Luminance Limitation Curves

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT813P450-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:278.500V I:0.310A P:81.100W			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	62205	92298	116988	132606	144289	153366	165009	175264	184834	cd/m2
C90	20805	35847	54402	73158	92521	112784	130079	150329	166553	

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: 16:43:53
 Other:

SSP6316-D50: Lamp Space Intensity Distribution Tester

UTILIZATION FACTORS TABLE

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT813P450-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:278.500V I:0.310A P:81.100W			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	52	40	33	51	40	33
0.80	63	50	42	62	50	42	59	48	41
1.00	71	59	50	69	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	95	85	78	92	84	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:	16:43:53
Other:					