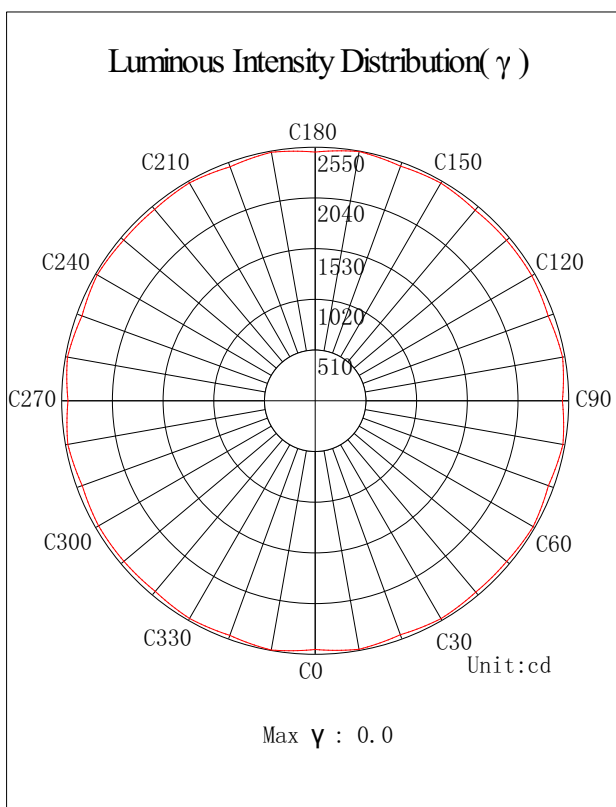
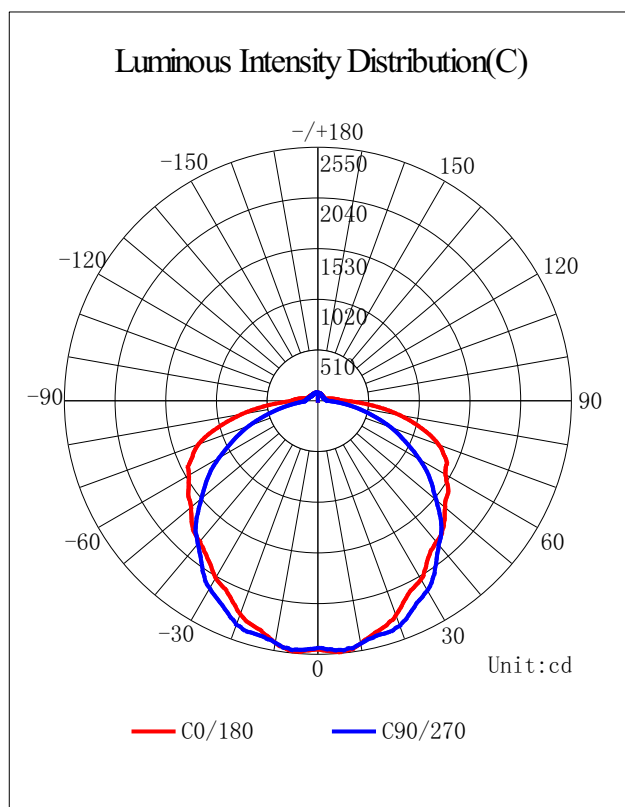


SSP6316-D50: Lamp Space Intensity Distribution

Photometric Data of Luminaire

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT822P450-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:0.344A P:90.200W			LuminareFlux:	1*0.00 lm

Lamp Test Data			
Lamp Flux:	8818.47 lm	Center Cd.:	2515.5 cd
Max(C, γ):	(170, 0.0)	Maximum Cd.:	2545.6 cd
BeamAngle(50%):	140.0 Deg	BeamAngle(10%):	181.0 Deg
Flux(0-90):	8255.52 lm(93.6%)	Flux(90-180):	562.9 lm(6.4%)
LuminousEfficacy:	97.77 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:	13:04:10
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	2480.1	2502.0	2480.7	2467.2	2470.5	2456.1	2471.6	2493.6	0-10	238.57	238.57	2.71	2.71
20	2294.4	2342.1	2408.8	2347.5	2283.5	2301.0	2396.5	2308.7	10-20	681.85	920.42	10.44	10.44
30	2074.0	2040.5	2202.8	2082.7	2057.0	2057.5	2176.1	2015.2	20-30	1020.61	1941.03	22.02	22.02
40	1854.2	1762.6	1890.6	1793.6	1846.5	1789.6	1878.8	1744.7	30-40	1223.67	3164.70	35.89	35.89
50	1670.9	1511.2	1555.6	1508.0	1665.0	1538.0	1528.9	1524.7	40-50	1306.19	4470.89	50.70	50.70
60	1481.7	1268.4	1181.2	1269.3	1499.1	1303.0	1148.8	1283.4	50-60	1270.97	5741.86	65.12	65.12
70	1292.7	1035.3	781.4	1061.9	1277.7	1092.8	735.7	1063.2	60-70	1147.82	6889.67	78.13	78.13
80	839.4	713.1	382.2	764.7	779.6	723.1	331.8	670.7	70-80	899.63	7789.30	88.33	88.33
90	277.2	211.8	102.7	251.0	267.2	219.5	126.9	213.1	80-90	466.22	8255.52	93.62	93.62
100	122.7	78.8	75.2	86.7	140.2	108.3	106.4	110.1	90-100	163.35	8418.87	95.47	95.47
110	70.3	64.9	67.7	65.6	101.4	93.7	94.3	94.0	100-110	94.00	8512.87	96.54	96.54
120	67.5	59.9	63.8	63.5	91.0	86.4	84.8	82.2	110-120	76.84	8589.71	97.41	97.41
130	65.8	58.3	62.6	64.2	83.9	82.3	79.7	75.9	120-130	65.06	8654.78	98.15	98.15
140	66.1	60.1	63.9	66.0	80.8	80.6	78.3	74.1	130-140	55.06	8709.83	98.77	98.77
150	69.2	64.1	68.2	69.1	80.8	80.6	79.6	75.0	140-150	45.24	8755.07	99.29	99.29
160	73.6	68.7	73.3	73.6	81.8	81.5	81.3	76.2	150-160	34.37	8789.44	99.68	99.68
170	76.2	73.3	77.0	77.0	80.7	81.7	81.2	76.5	160-170	21.66	8811.11	99.92	99.92
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170-180	7.36	8818.47	100.00	100.00
DEG	LUMINOUS INTENSITY:cd									UNIT:lm			

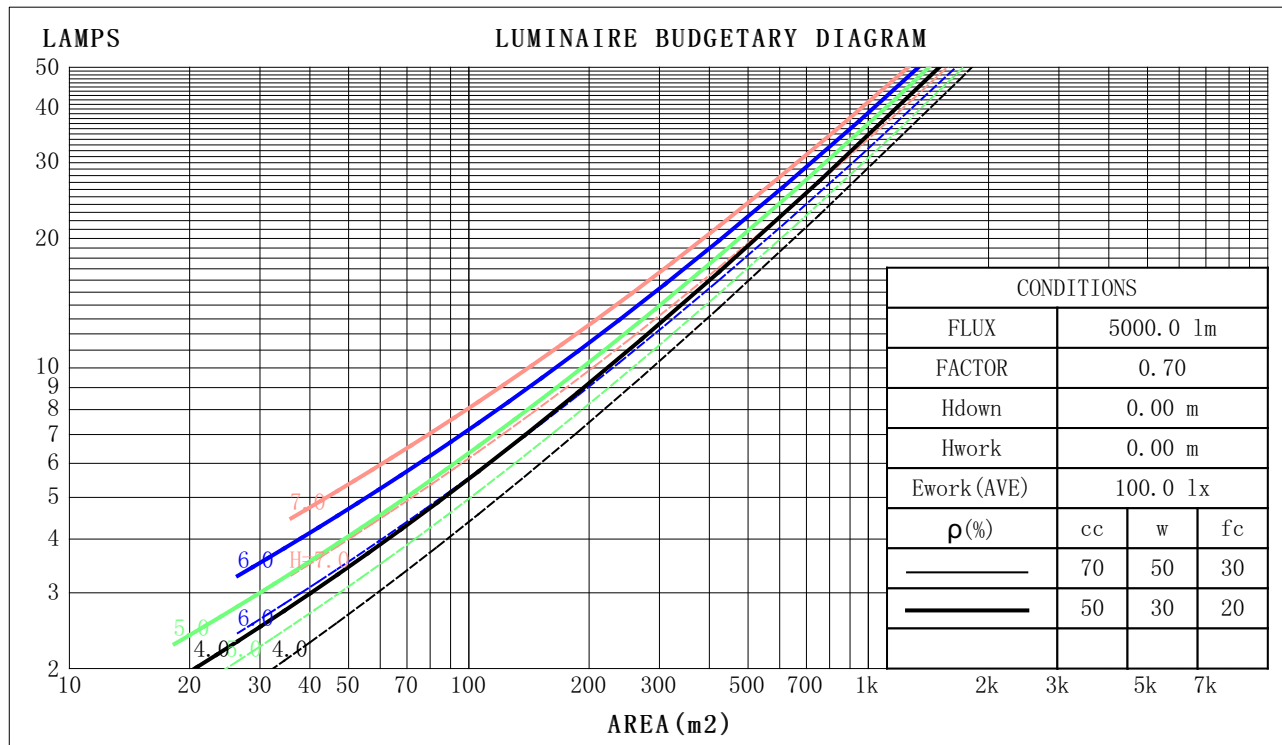
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No. :	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2016-06-04	Time:	13:04:10
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT822P450-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:0.344A P:90.200W			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	.99	.94	.90	.97	.92	.88	.91	.87	.84	.86	.83	.80	.81	.79	.77	.74
2.0	.85	.78	.71	.83	.76	.70	.78	.72	.67	.74	.69	.65	.70	.66	.62	.60
3.0	.74	.65	.58	.72	.64	.57	.68	.61	.55	.64	.59	.54	.61	.56	.52	.49
4.0	.65	.56	.49	.64	.55	.48	.60	.53	.47	.57	.50	.45	.54	.49	.44	.41
5.0	.58	.49	.42	.57	.48	.41	.54	.46	.40	.51	.44	.39	.48	.43	.38	.35
6.0	.52	.43	.36	.51	.42	.36	.48	.41	.35	.46	.39	.34	.44	.38	.33	.31
7.0	.47	.38	.32	.46	.37	.31	.44	.36	.31	.42	.35	.30	.40	.34	.29	.27
8.0	.43	.34	.28	.42	.34	.28	.40	.33	.27	.38	.32	.27	.37	.31	.26	.24
9.0	.39	.31	.25	.38	.30	.25	.37	.30	.24	.35	.29	.24	.34	.28	.24	.22
10.0	.36	.28	.23	.36	.28	.23	.34	.27	.22	.33	.26	.22	.31	.26	.21	.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:	13:04:10
Other:					



SSP6316-D50: Lamp Space Intensity Distribution

WEC AND CCEC

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT822P450-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:0.344A P:90.200W			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 Wall Exitance Coefficients(WEC)															
0.0																
1.0	.365	.208	.066	.356	.203	.065	.339	.194	.062	.323	.186	.060	.309	.179	.058	
2.0	.326	.179	.055	.318	.175	.054	.302	.168	.052	.288	.162	.051	.275	.156	.049	
3.0	.293	.156	.047	.286	.153	.046	.272	.147	.045	.259	.142	.044	.248	.137	.042	
4.0	.266	.138	.041	.259	.136	.040	.247	.131	.039	.235	.126	.038	.225	.122	.037	
5.0	.242	.123	.036	.236	.121	.035	.225	.117	.035	.215	.113	.034	.205	.110	.033	
6.0	.223	.112	.032	.217	.110	.032	.207	.106	.031	.198	.103	.030	.189	.100	.030	
7.0	.206	.102	.029	.201	.100	.029	.192	.097	.028	.183	.094	.027	.176	.091	.027	
8.0	.191	.093	.026	.187	.092	.026	.179	.089	.025	.171	.087	.025	.164	.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	.157	.077	.022	.150	.075	.021	.144	.072	.021	

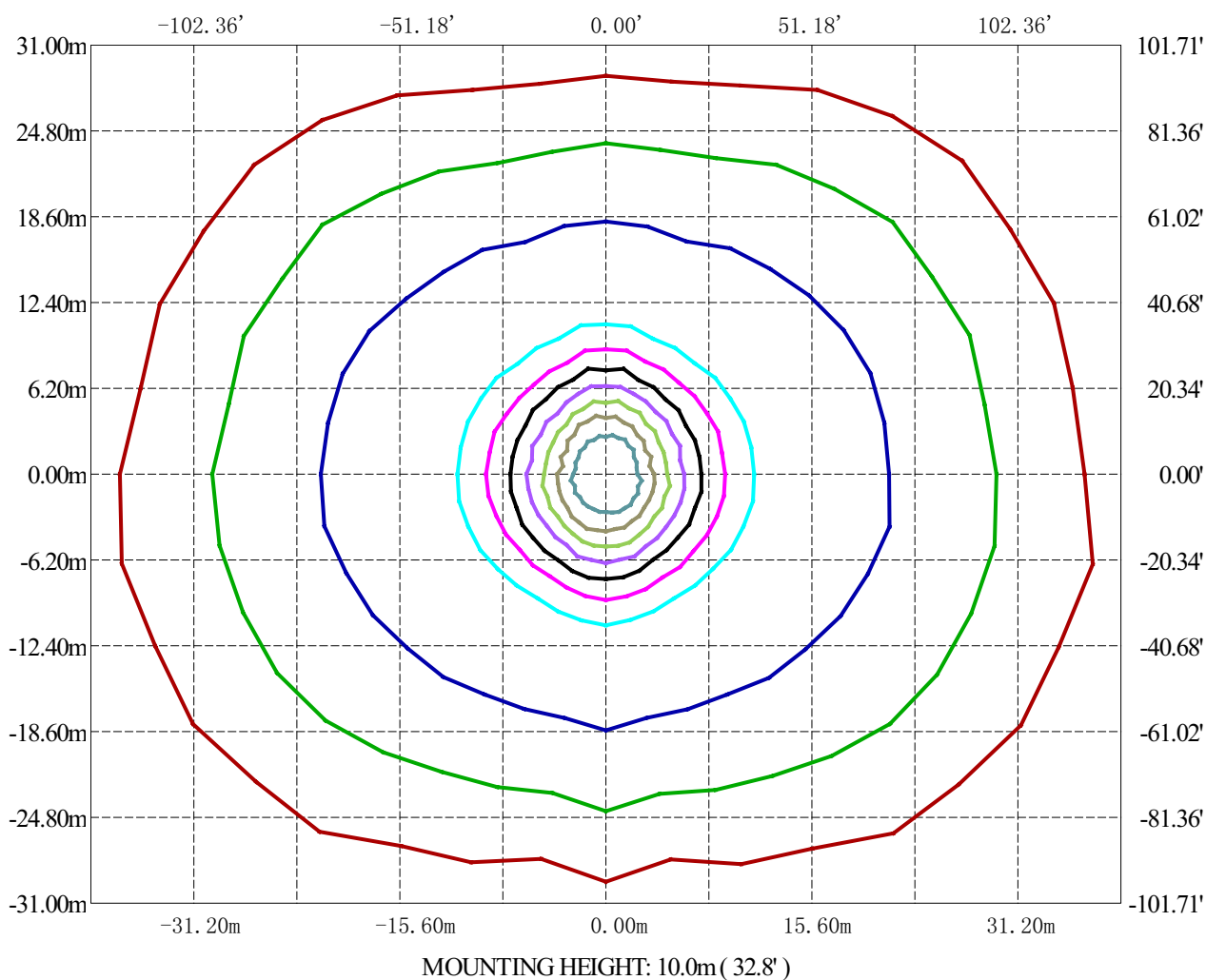
ρ _{cc}	80%			70%			50%			30%			10%			0
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.239	.239	.239	.204	.204	.204	.139	.139	.139	.080	.080	.080	.026	.026	.026	
1.0	.233	.205	.179	.200	.176	.154	.136	.121	.107	.079	.070	.062	.025	.023	.020	
2.0	.226	.181	.143	.194	.156	.124	.133	.108	.086	.077	.063	.051	.025	.020	.016	
3.0	.219	.164	.121	.187	.142	.105	.129	.098	.073	.074	.057	.043	.024	.019	.014	
4.0	.211	.151	.106	.181	.131	.092	.124	.091	.065	.072	.053	.038	.023	.017	.013	
5.0	.203	.141	.095	.174	.122	.083	.120	.085	.059	.070	.050	.035	.022	.016	.011	
6.0	.195	.133	.088	.168	.115	.077	.116	.081	.054	.067	.047	.032	.022	.015	.011	
7.0	.188	.126	.083	.162	.109	.072	.112	.077	.051	.065	.045	.030	.021	.015	.010	
8.0	.182	.120	.078	.156	.104	.068	.108	.073	.049	.063	.043	.029	.020	.014	.010	
9.0	.175	.116	.075	.151	.100	.066	.105	.070	.047	.061	.042	.028	.020	.014	.009	
10.0	.169	.111	.073	.146	.097	.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: 13:04:10
 Other:

SSP6316-D50: Lamp Space Intensity Distribution

ISOLUX Diagram

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT822P450-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:0.344A P:90.200W			LuminareFlux:	1*0.00 lm



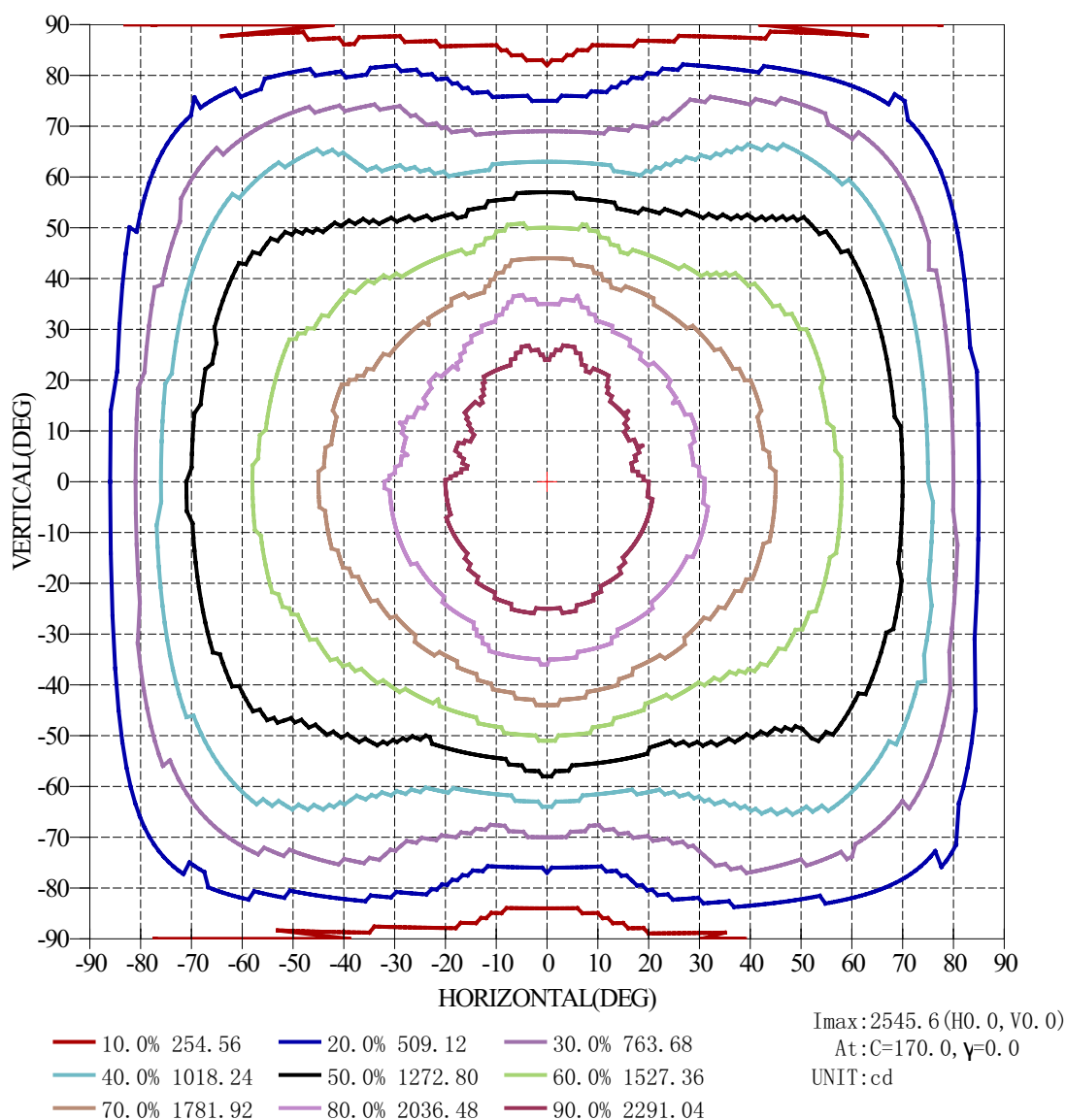
3.0% 0.7547lx 0.0701fc	5.0% 1.2578lx 0.1168fc	10.0% 2.5155lx 0.2337fc
30.0% 7.5466lx 0.7011fc	40.0% 10.0621lx 0.9348fc	50.0% 12.5781lx 1.1685fc
60.0% 15.0931lx 1.4022fc	70.0% 17.6091lx 1.6359fc	80.0% 20.1241lx 1.8696fc
90.0% 22.6401lx 2.1032fc		

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:	13:04:10
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

ISOCANDELA Diagram

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT822P450-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:0.344A P:90.200W			LuminareFlux:	1*0.00 lm

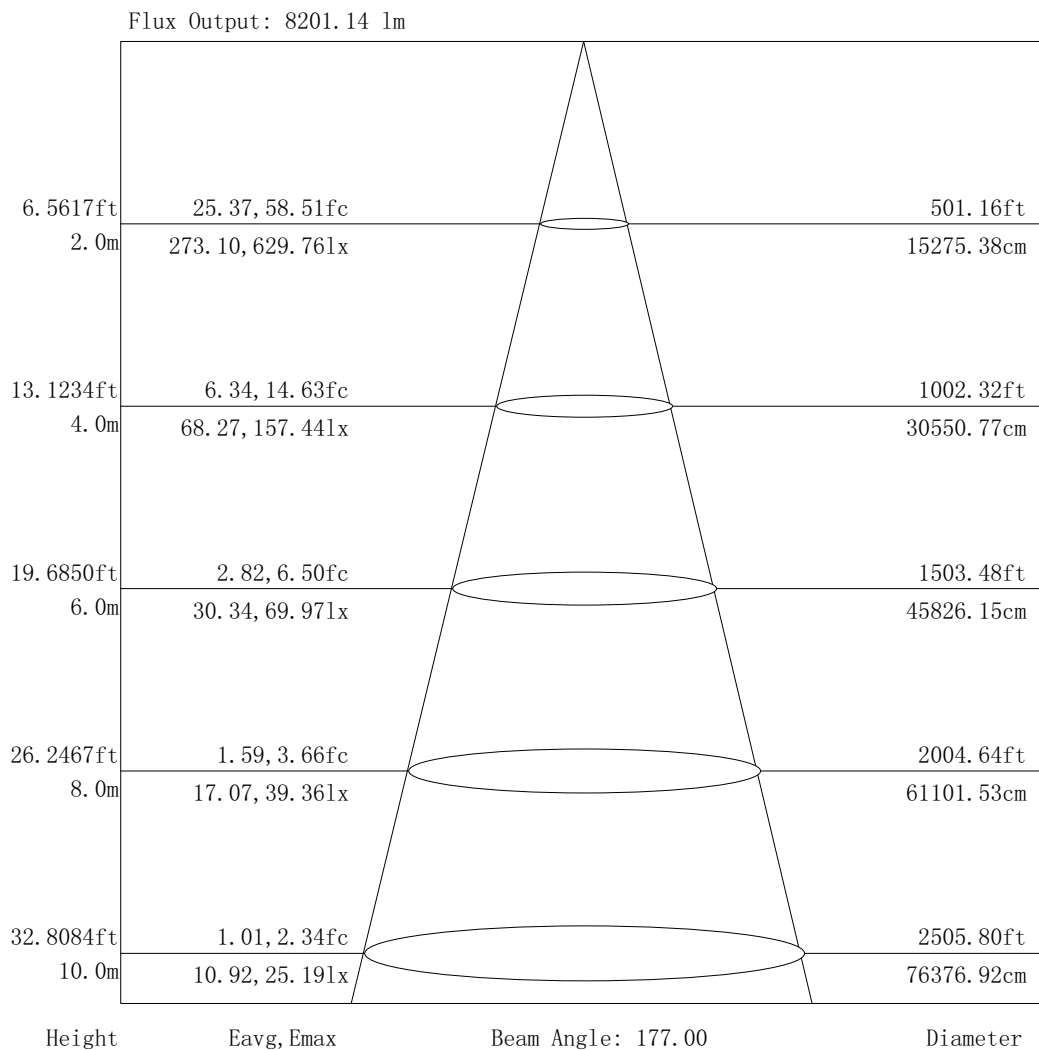


C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2016-06-04	Time:	13:04:10
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Effective Average Illuminance Diagram

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT822P450-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:0.344A P:90.200W			LuminareFlux:	1*0.00 lm



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

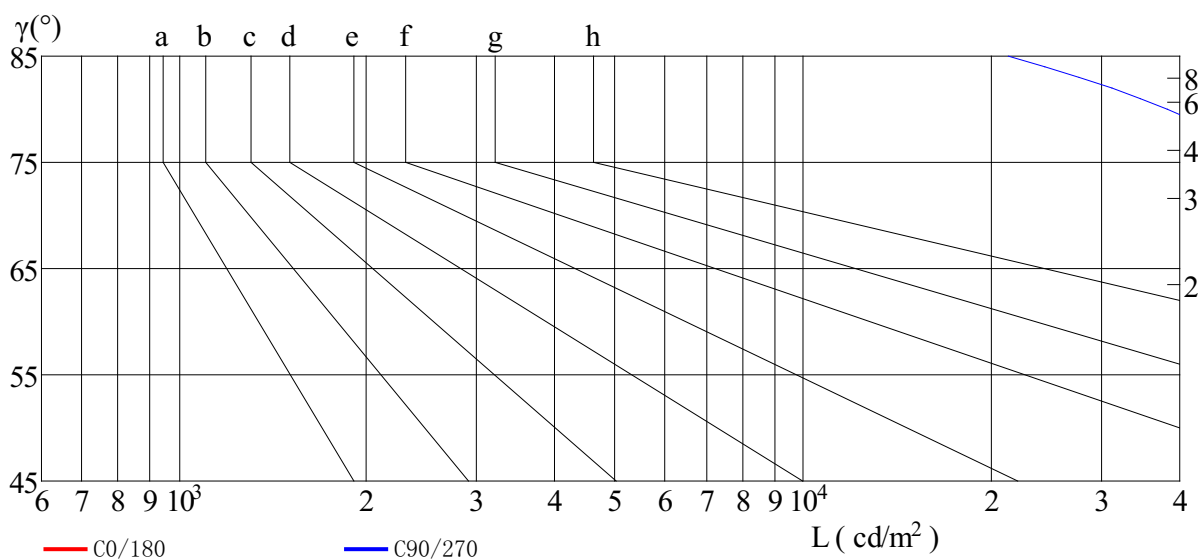
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2016-06-04	Time:	13:04:10
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Luminance Limitation Curves

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT822P450-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:0.344A P:90.200W			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	55562	83943	108617	129267	142644	148174	160075	167092	178814	cd/m2
C90	21256	38216	56833	78139	97118	118123	137854	155558	175452	

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: 13:04:10
 Other:



SSP6316-D50: Lamp Space Intensity Distribution Tester

UTILIZATION FACTORS TABLE

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT822P450-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:0.344A P:90.200W			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) $k(RI) \times RCR = 5$								
$k = 0.60$	53	41	33	52	40	33	50	39	32
0.80	63	50	42	61	49	41	59	48	41
1.00	71	58	50	69	57	49	66	56	49
1.25	78	66	58	76	65	57	72	63	56
1.50	83	72	63	81	70	62	76	68	61
2.00	90	80	72	87	78	71	83	75	69
2.50	94	85	78	91	83	76	86	79	74
3.00	98	90	83	95	87	81	89	83	78
4.00	102	95	89	99	93	88	93	88	84
5.00	105	99	94	102	96	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:	13:04:10
Other:					