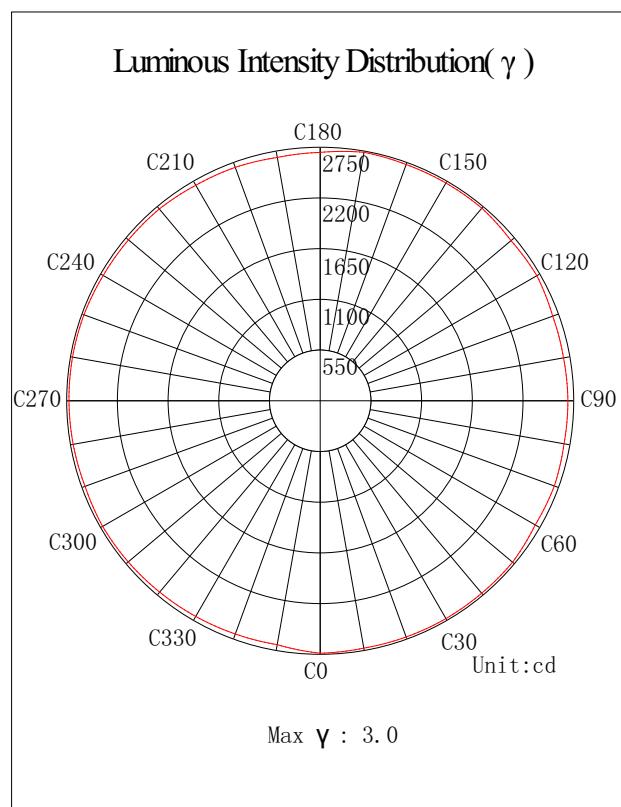
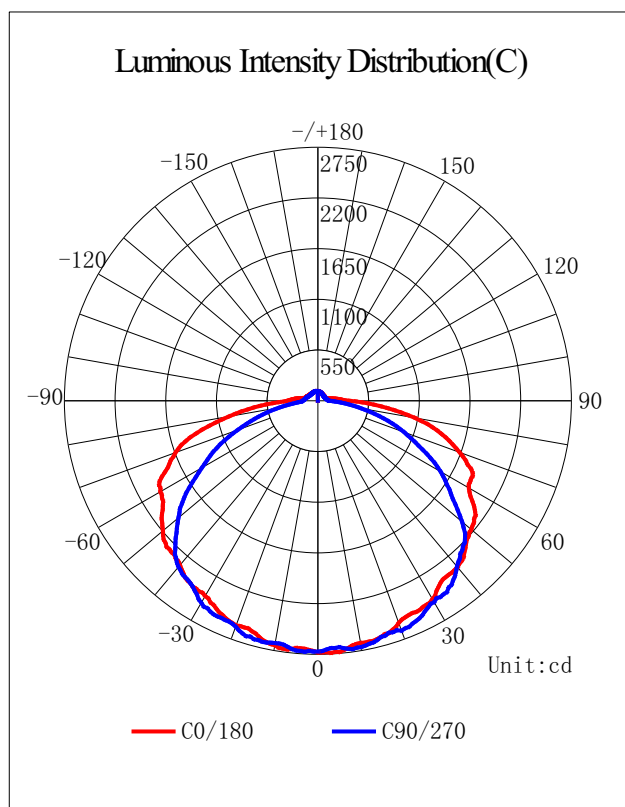


SSP6316-D50: Lamp Space Intensity Distribution

Photometric Data of Luminaire

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT28P450	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:0.447A P:120.100W			LuminareFlux:	1*0.00 lm

Lamp Test Data			
Lamp Flux:	10928.61 lm	Center Cd.:	2713.1 cd
Max(C, γ):	(0, 3.0)	Maximum Cd.:	2738.2 cd
BeamAngle(50%):	149.0 Deg	BeamAngle(10%):	185.0 Deg
Flux(0-90):	10216.28 lm(93.5%)	Flux(90-180):	712.3 lm(6.5%)
LuminousEfficacy:	91.00 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:	13:54:15
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	2667.3	2690.9	2711.9	2699.2	2693.5	2694.6	2668.6	2686.0	0-10	257.85	257.85	2.36	2.36
20	2563.9	2599.6	2653.2	2608.2	2592.5	2588.1	2607.8	2581.5	10-20	749.64	1007.49	9.22	9.22
30	2484.2	2463.7	2521.2	2472.6	2444.6	2454.5	2529.9	2431.5	20-30	1174.81	2182.30	19.97	19.97
40	2357.6	2269.3	2347.3	2277.4	2327.9	2269.4	2352.3	2242.9	30-40	1500.37	3682.68	33.70	33.70
50	2171.6	1961.7	2041.9	1980.3	2194.4	2002.5	1974.3	1967.2	40-50	1679.35	5362.03	49.07	49.07
60	1891.7	1625.5	1538.0	1656.3	1972.0	1692.9	1452.8	1633.5	50-60	1645.41	7007.44	64.13	64.13
70	1636.3	1323.9	996.3	1363.8	1643.6	1397.7	925.9	1333.7	60-70	1474.23	8481.67	77.61	77.61
80	1069.8	917.3	479.5	972.0	979.8	908.0	424.0	848.9	70-80	1147.65	9629.32	88.12	88.12
90	344.3	267.3	132.0	309.9	333.4	268.7	163.6	261.4	80-90	586.96	10216.28	93.49	93.49
100	145.9	98.3	97.8	103.9	173.4	138.7	136.2	139.6	90-100	199.83	10416.11	95.32	95.32
110	89.0	82.4	87.0	84.8	130.5	121.2	119.2	119.6	100-110	119.25	10535.36	96.41	96.41
120	86.2	77.1	80.9	81.8	115.0	110.5	109.0	105.8	110-120	98.69	10634.05	97.31	97.31
130	85.6	75.6	80.3	82.5	107.1	104.7	104.2	98.3	120-130	83.69	10717.74	98.08	98.08
140	85.6	77.2	83.6	85.6	104.6	103.6	102.1	96.1	130-140	70.89	10788.63	98.72	98.72
150	88.3	81.6	88.9	90.1	104.8	104.3	101.9	96.5	140-150	58.28	10846.91	99.26	99.26
160	93.2	88.1	94.2	95.2	104.5	104.9	103.7	98.0	150-160	44.29	10891.21	99.66	99.66
170	98.3	94.8	98.0	98.8	102.4	104.0	104.7	99.3	160-170	27.92	10919.13	99.92	99.92
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170-180	9.49	10928.61	100.00	100.00
DEG	LUMINOUS INTENSITY:cd									UNIT:lm			

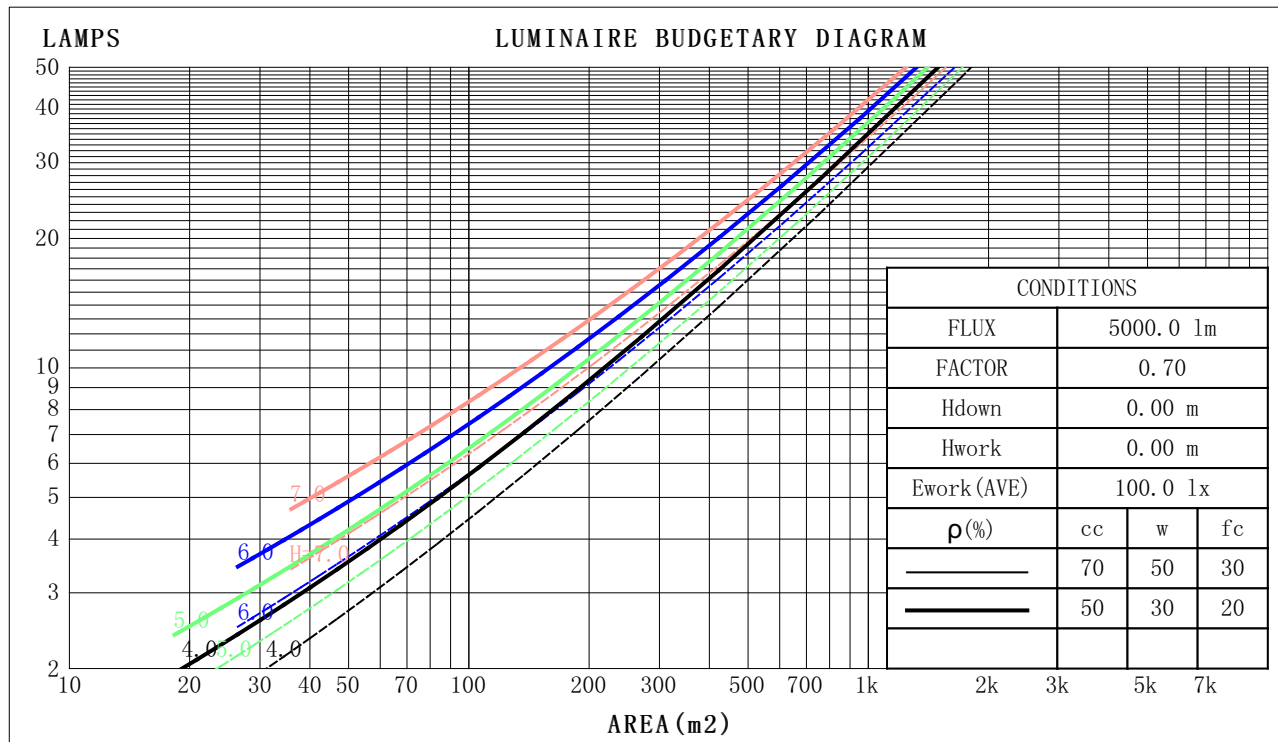
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2016-06-04	Time:	13:54:15
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT28P450	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:0.447A P:120.100W			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	1.17	1.17	1.17	1.14	1.14	1.14	1.07	1.07	1.07	1.02	1.02	1.02	.96	.96	.96	.93
1.0	.99	.94	.89	.96	.91	.87	.91	.87	.83	.86	.82	.79	.81	.78	.76	.73
2.0	.85	.77	.70	.82	.75	.69	.78	.72	.66	.73	.68	.64	.69	.65	.61	.59
3.0	.73	.64	.57	.71	.63	.56	.67	.60	.54	.64	.58	.53	.60	.55	.51	.48
4.0	.64	.55	.48	.63	.54	.47	.59	.52	.45	.56	.49	.44	.53	.47	.43	.40
5.0	.57	.47	.40	.56	.47	.40	.53	.45	.39	.50	.43	.38	.47	.41	.37	.34
6.0	.51	.42	.35	.50	.41	.34	.47	.39	.33	.45	.38	.33	.43	.37	.32	.30
7.0	.46	.37	.30	.45	.36	.30	.43	.35	.29	.41	.34	.29	.39	.33	.28	.26
8.0	.42	.33	.27	.41	.32	.27	.39	.31	.26	.37	.30	.25	.36	.29	.25	.23
9.0	.38	.30	.24	.37	.29	.24	.36	.28	.23	.34	.28	.23	.33	.27	.22	.20
10.0	.35	.27	.22	.34	.27	.21	.33	.26	.21	.32	.25	.21	.30	.24	.20	.18



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: 13:54:15
 Other:



SSP6316-D50: Lamp Space Intensity Distribution

WEC AND CCEC

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT28P450	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:0.447A P:120.100W			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	.371	.211	.067	.362	.206	.066	.345	.198	.063	.329	.190	.061	.314	.182	.059	
2.0	.331	.182	.056	.323	.178	.055	.307	.171	.053	.293	.164	.051	.280	.158	.050	
3.0	.298	.159	.047	.290	.156	.047	.277	.150	.046	.264	.145	.044	.252	.139	.043	
4.0	.270	.140	.041	.263	.138	.041	.251	.133	.040	.239	.128	.039	.228	.124	.038	
5.0	.246	.125	.036	.240	.123	.036	.229	.119	.035	.218	.115	.034	.209	.112	.034	
6.0	.226	.113	.032	.220	.111	.032	.210	.108	.031	.201	.104	.031	.192	.101	.030	
7.0	.208	.103	.029	.204	.101	.029	.195	.098	.028	.186	.095	.028	.178	.092	.027	
8.0	.193	.095	.027	.189	.093	.026	.181	.090	.026	.173	.088	.025	.166	.085	.025	
9.0	.180	.087	.024	.176	.086	.024	.169	.084	.024	.162	.081	.023	.155	.079	.023	
10.0	.169	.081	.022	.165	.080	.022	.158	.078	.022	.152	.075	.021	.146	.073	.021	

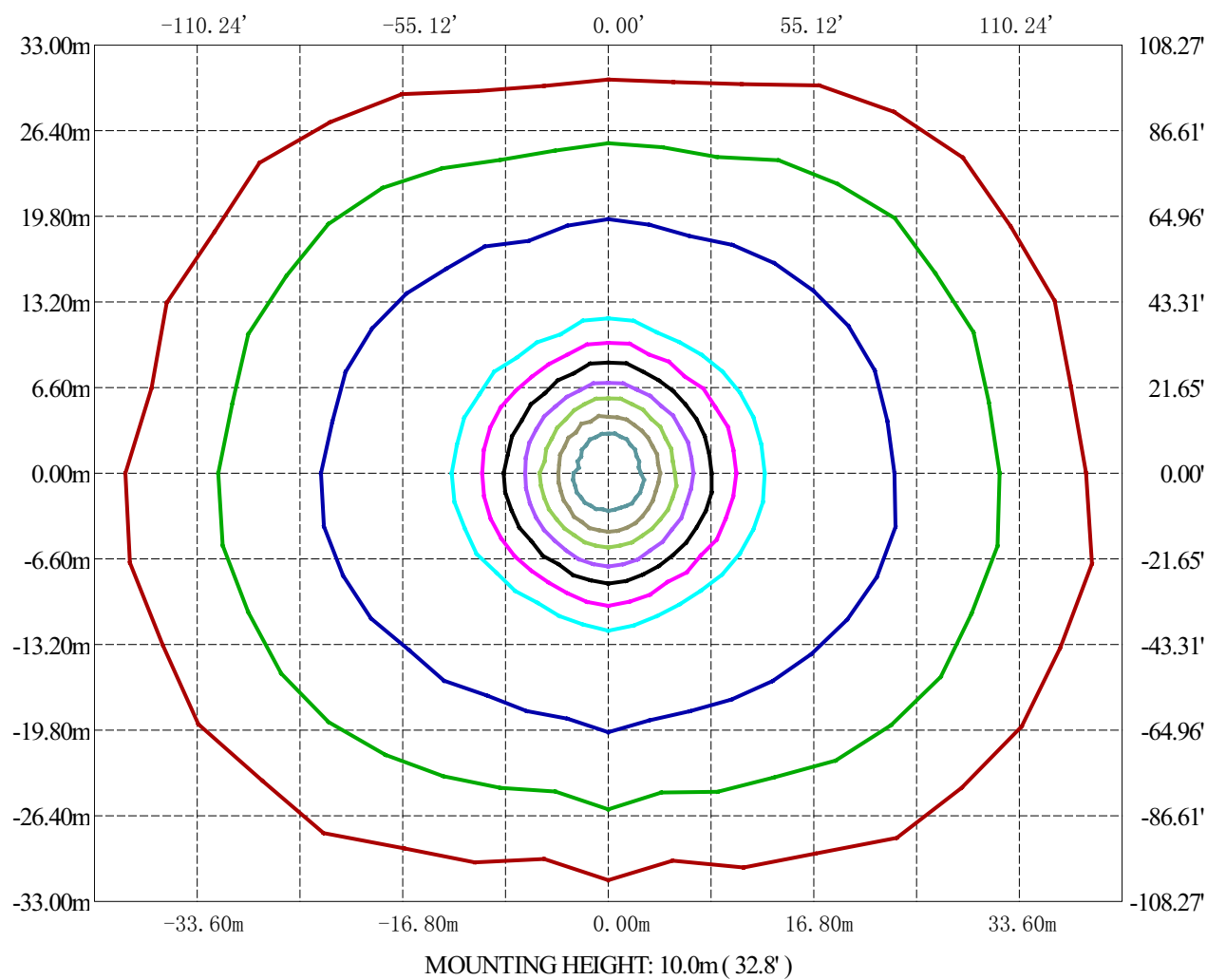
p _{cc}	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.240	.240	.240	.205	.205	.205	.140	.140	.140	.080	.080	.080	.026	.026	.026	
1.0	.235	.206	.180	.201	.177	.155	.137	.121	.107	.079	.070	.062	.025	.023	.020	
2.0	.228	.182	.144	.195	.157	.124	.134	.108	.087	.077	.063	.051	.025	.020	.017	
3.0	.221	.165	.121	.189	.142	.105	.130	.099	.074	.075	.058	.043	.024	.019	.014	
4.0	.213	.152	.106	.183	.132	.092	.126	.092	.065	.073	.054	.038	.023	.017	.013	
5.0	.205	.142	.096	.176	.123	.083	.121	.086	.059	.070	.050	.035	.023	.016	.012	
6.0	.198	.134	.089	.170	.116	.077	.117	.081	.055	.068	.048	.032	.022	.016	.011	
7.0	.190	.127	.083	.164	.110	.073	.113	.077	.051	.066	.046	.031	.021	.015	.010	
8.0	.184	.122	.079	.158	.106	.069	.109	.074	.049	.064	.044	.029	.021	.014	.010	
9.0	.177	.117	.076	.153	.101	.066	.106	.071	.047	.062	.042	.028	.020	.014	.009	
10.0	.171	.113	.073	.148	.098	.064	.102	.069	.046	.060	.041	.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: 13:54:15
 Other:

SSP6316-D50: Lamp Space Intensity Distribution

ISOLUX Diagram

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT28P450	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:0.447A P:120.100W			LuminareFlux:	1*0.00 lm



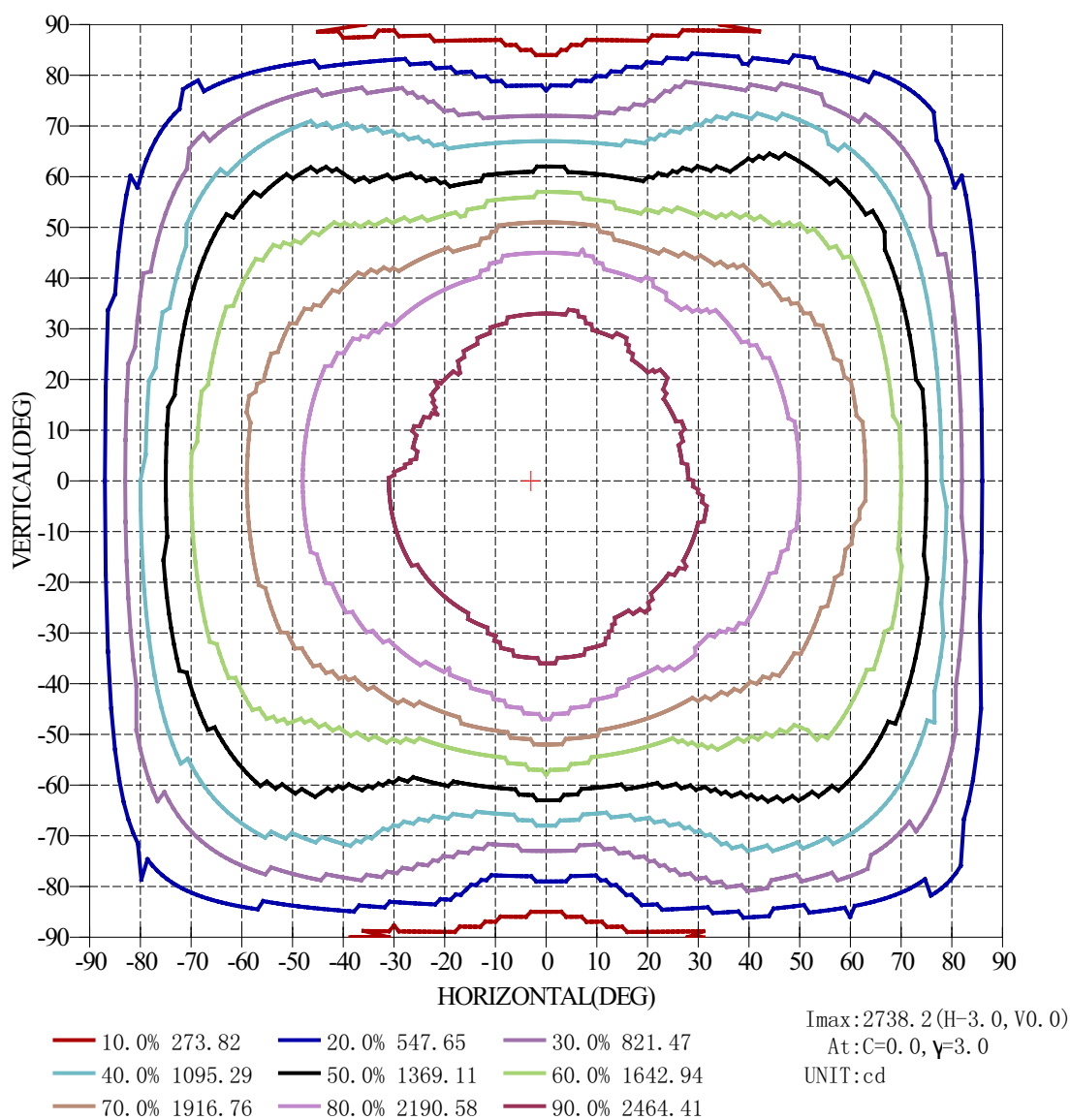
3.0% 0.8139lx 0.0756fc	5.0% 1.3565lx 0.1260fc	10.0% 2.7131lx 0.2520fc
30.0% 8.1392lx 0.7561fc	40.0% 10.8521lx 1.0082fc	50.0% 13.5651lx 1.2602fc
60.0% 16.2781lx 1.5123fc	70.0% 18.9921lx 1.7643fc	80.0% 21.7051lx 2.0164fc
90.0% 24.4181lx 2.2684fc		

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:	13:54:15
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

ISOCANDELA Diagram

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT28P450	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:0.447A P:120.100W			LuminareFlux:	1*0.00 lm

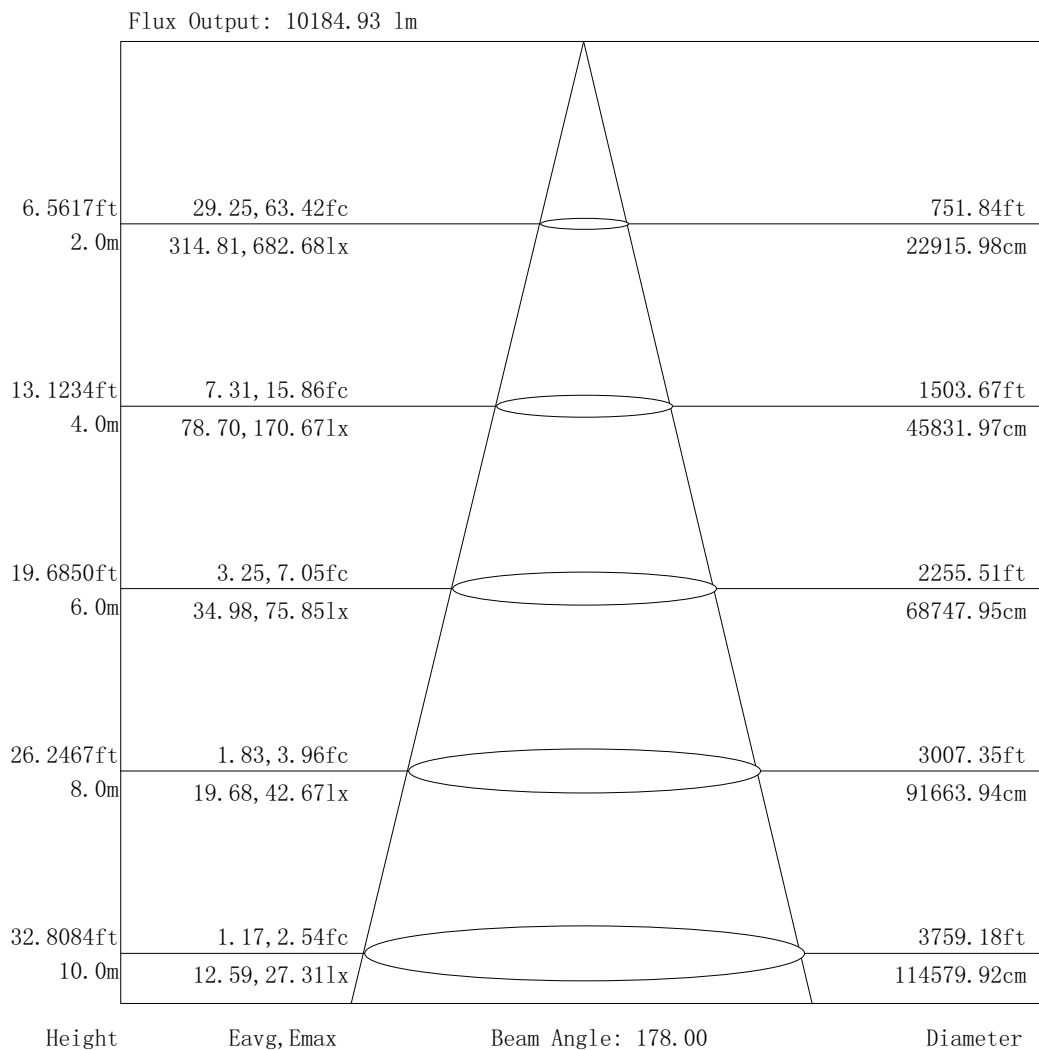


C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2016-06-04	Time:	13:54:15
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Effective Average Illuminance Diagram

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT28P450	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:0.447A P:120.100W			LuminareFlux:	1*0.00 lm



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

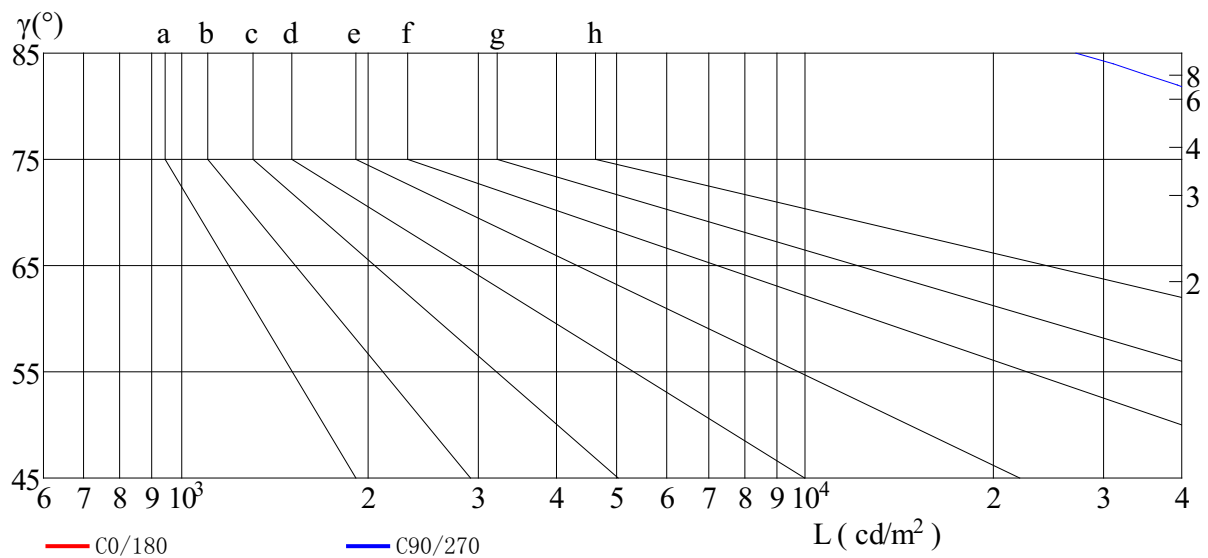
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No. :	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2016-06-04	Time:	13:54:15
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Luminance Limitation Curves

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT28P450	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:0.447A P:120.100W			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	68510	106982	138805	163631	185207	189175	208033	217160	226263	cd/m2
C90	27072	47953	73775	99631	125312	153796	176270	204193	222820	

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: 13:54:15
 Other:

SSP6316-D50: Lamp Space Intensity Distribution Tester

UTILIZATION FACTORS TABLE

Lamp Description					
Lamp Name:	POZEEN 4+4PCS SLT28P450	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:0.447A P:120.100W			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) $k(RI) \times RCR = 5$								
$k = 0.60$	52	39	31	51	39	31	49	38	31
0.80	62	48	40	60	48	40	57	46	39
1.00	70	57	49	68	56	48	65	54	47
1.25	77	65	56	75	64	56	71	61	54
1.50	82	70	62	80	69	61	75	66	60
2.00	89	79	71	87	77	70	82	74	68
2.50	94	84	77	91	82	76	86	79	73
3.00	97	89	82	94	87	81	89	83	78
4.00	102	95	89	99	92	87	93	88	83
5.00	105	99	93	101	96	91	95	91	87
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:	13:54:15
Other:					