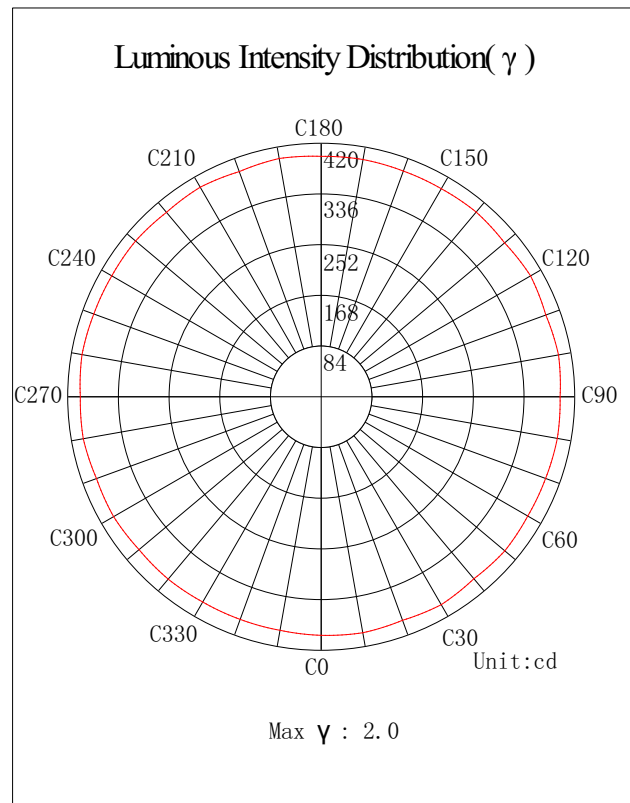
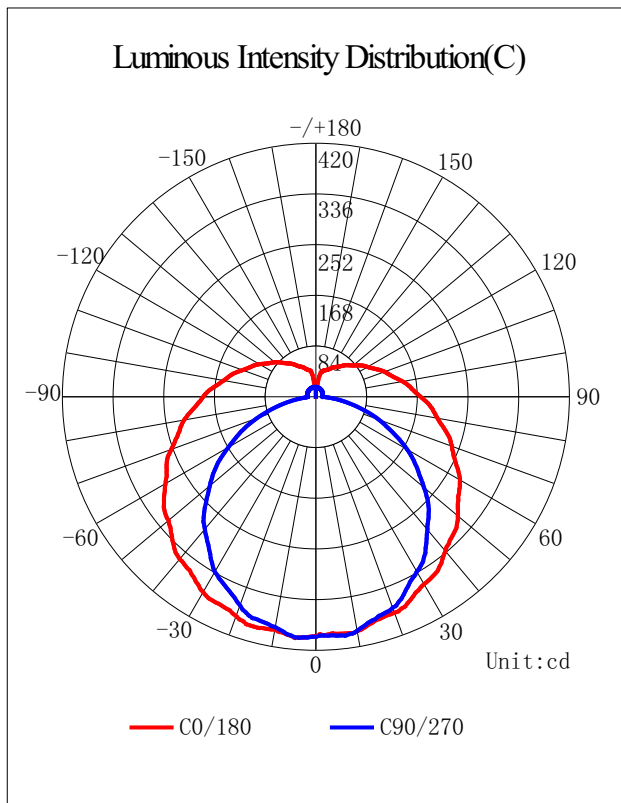


SSP6316-D50: Lamp Space Intensity Distribution

Photometric Data of Luminaire

Lamp Description					
Lamp Name:	SLT813P450-5	Lamp Des:	Test	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:278.000V I:0.054A P:13.400W			LuminareFlux:	1*0.00 lm

Lamp Test Data			
Lamp Flux:	1920.46 lm	Center Cd.:	397.4 cd
Max(C, γ):	(260, 2.0)	Maximum Cd.:	402.4 cd
BeamAngle(50%):	166.0 Deg	BeamAngle(10%):	337.0 Deg
Flux(0-90):	1502.88 lm(78.3%)	Flux(90-180):	417.6 lm(21.7%)
LuminousEfficacy:	143.32 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:	3.000 m	Date:	2016-05-31	Time:	21:38:51
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	394.3	392.5	393.8	391.5	392.0	393.2	387.6	391.2	0-10	37.69	37.69	1.97	1.97
20	380.8	373.0	372.1	378.6	386.6	380.2	367.7	373.0	10-20	108.88	146.57	7.64	7.64
30	358.5	343.1	334.5	357.0	373.7	359.9	334.8	343.1	20-30	168.08	314.65	16.39	16.39
40	333.8	307.8	287.4	323.7	350.9	328.1	286.2	307.0	30-40	209.19	523.85	27.28	27.28
50	307.0	270.0	233.7	283.4	318.7	288.6	229.4	269.0	40-50	228.96	752.81	39.20	39.20
60	275.6	229.4	174.6	241.5	287.7	247.2	167.4	229.0	50-60	227.42	980.23	51.05	51.05
70	239.9	188.0	110.9	202.5	255.0	207.8	104.2	187.2	60-70	207.87	1188.10	61.87	61.87
80	204.7	150.7	50.4	165.7	221.7	169.8	43.0	148.6	70-80	176.34	1364.44	71.05	71.05
90	173.5	112.5	11.6	124.6	186.7	128.2	13.7	111.0	80-90	138.44	1502.88	78.26	78.26
100	145.9	91.3	11.3	99.6	155.0	103.5	14.1	90.5	90-100	106.67	1609.55	83.82	83.82
110	121.2	74.5	12.0	81.8	129.2	85.8	14.7	75.7	100-110	86.98	1696.53	88.34	88.34
120	98.8	64.2	12.6	71.1	107.9	74.6	15.3	65.3	110-120	70.12	1766.65	92.00	92.00
130	80.8	55.5	13.2	61.4	88.9	64.4	15.7	56.8	120-130	54.87	1821.51	94.85	94.85
140	66.7	49.1	13.9	51.7	72.2	53.9	15.8	50.5	130-140	41.21	1862.72	97.00	97.00
150	55.6	44.8	14.6	41.1	58.9	41.7	16.0	46.4	140-150	28.73	1891.45	98.49	98.49
160	46.9	42.0	15.2	33.6	49.3	33.8	16.1	42.6	150-160	17.98	1909.43	99.43	99.43
170	36.0	29.6	15.4	28.6	39.2	28.6	16.1	28.7	160-170	9.12	1918.56	99.91	99.91
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170-180	1.90	1920.46	100.00	100.00
DEG	LUMINOUS INTENSITY:cd									UNIT:lm			

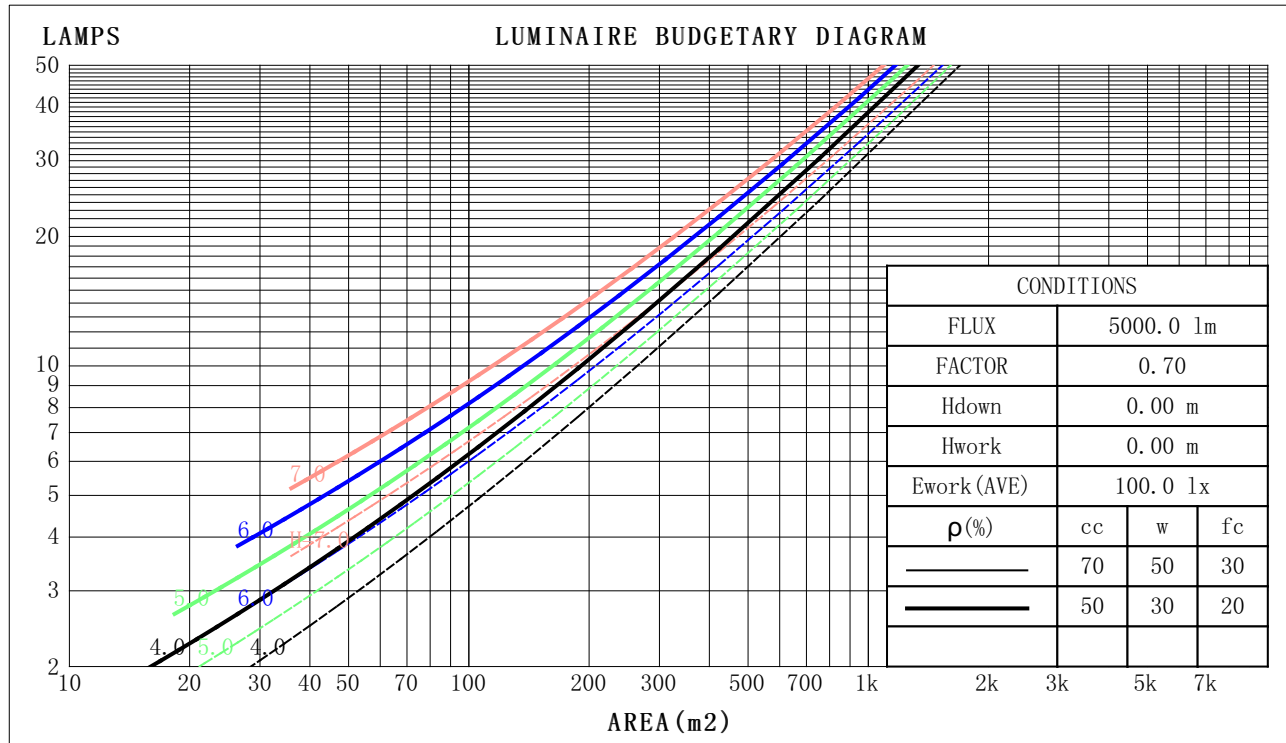
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	3.000 m	Date:	2016-05-31	Time:	21:38:51
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Lamp Description					
Lamp Name:	SLT813P450-5	Lamp Des:	Test	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:278.000V I:0.054A P:13.400W			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	1.14	1.14	1.14	1.09	1.09	1.09	.99	.99	.99	.90	.90	.90	.82	.82	.82	.78
1.0	.95	.90	.85	.91	.86	.81	.82	.78	.75	.75	.72	.69	.67	.65	.63	.59
2.0	.81	.73	.67	.77	.70	.64	.70	.65	.60	.64	.59	.55	.58	.54	.51	.47
3.0	.70	.62	.54	.67	.59	.53	.61	.54	.49	.55	.50	.45	.50	.46	.42	.39
4.0	.62	.53	.45	.59	.50	.44	.54	.47	.41	.49	.43	.38	.44	.39	.35	.32
5.0	.55	.45	.39	.52	.44	.37	.48	.41	.35	.44	.37	.33	.40	.34	.30	.27
6.0	.49	.40	.33	.47	.38	.32	.43	.36	.30	.39	.33	.28	.36	.30	.26	.24
7.0	.44	.35	.29	.42	.34	.28	.39	.32	.26	.36	.29	.25	.32	.27	.23	.21
8.0	.40	.32	.26	.39	.31	.25	.35	.28	.23	.33	.26	.22	.30	.25	.21	.18
9.0	.37	.28	.23	.35	.28	.22	.33	.26	.21	.30	.24	.20	.27	.22	.19	.16
10.0	.34	.26	.21	.32	.25	.20	.30	.23	.19	.28	.22	.18	.25	.20	.17	.15



C Angle Range: 0-360Deg γ Range: 0-180Deg Test No.: 001
 C Precious: 10 Deg γ Precious: 1 Deg Tester: QA Shan
 Distance: 3.000 m Date: 2016-05-31 Time: 21:38:51
 Other:



SSP6316-D50: Lamp Space Intensity Distribution

WEC AND CCEC

Lamp Description					
Lamp Name:	SLT813P450-5	Lamp Des:	Test	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:278.000V I:0.054A P:13.400W			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	.381	.216	.069	.367	.209	.066	.341	.196	.062	.317	.183	.059	.295	.171	.055	
2.0	.330	.181	.055	.317	.175	.054	.294	.163	.051	.272	.153	.048	.252	.143	.045	
3.0	.293	.156	.047	.282	.151	.045	.261	.141	.043	.241	.132	.040	.223	.123	.038	
4.0	.264	.137	.040	.254	.133	.039	.234	.124	.037	.216	.116	.035	.200	.109	.033	
5.0	.240	.122	.035	.231	.118	.035	.213	.111	.033	.197	.104	.031	.181	.097	.029	
6.0	.220	.110	.032	.212	.107	.031	.195	.100	.029	.180	.094	.028	.166	.088	.026	
7.0	.203	.100	.028	.195	.097	.028	.181	.091	.026	.167	.085	.025	.154	.080	.023	
8.0	.188	.092	.026	.181	.089	.025	.168	.084	.024	.155	.078	.023	.143	.073	.021	
9.0	.176	.085	.024	.169	.082	.023	.156	.077	.022	.145	.073	.021	.134	.068	.020	
10.0	.164	.079	.022	.158	.076	.021	.147	.072	.020	.136	.067	.019	.125	.063	.018	

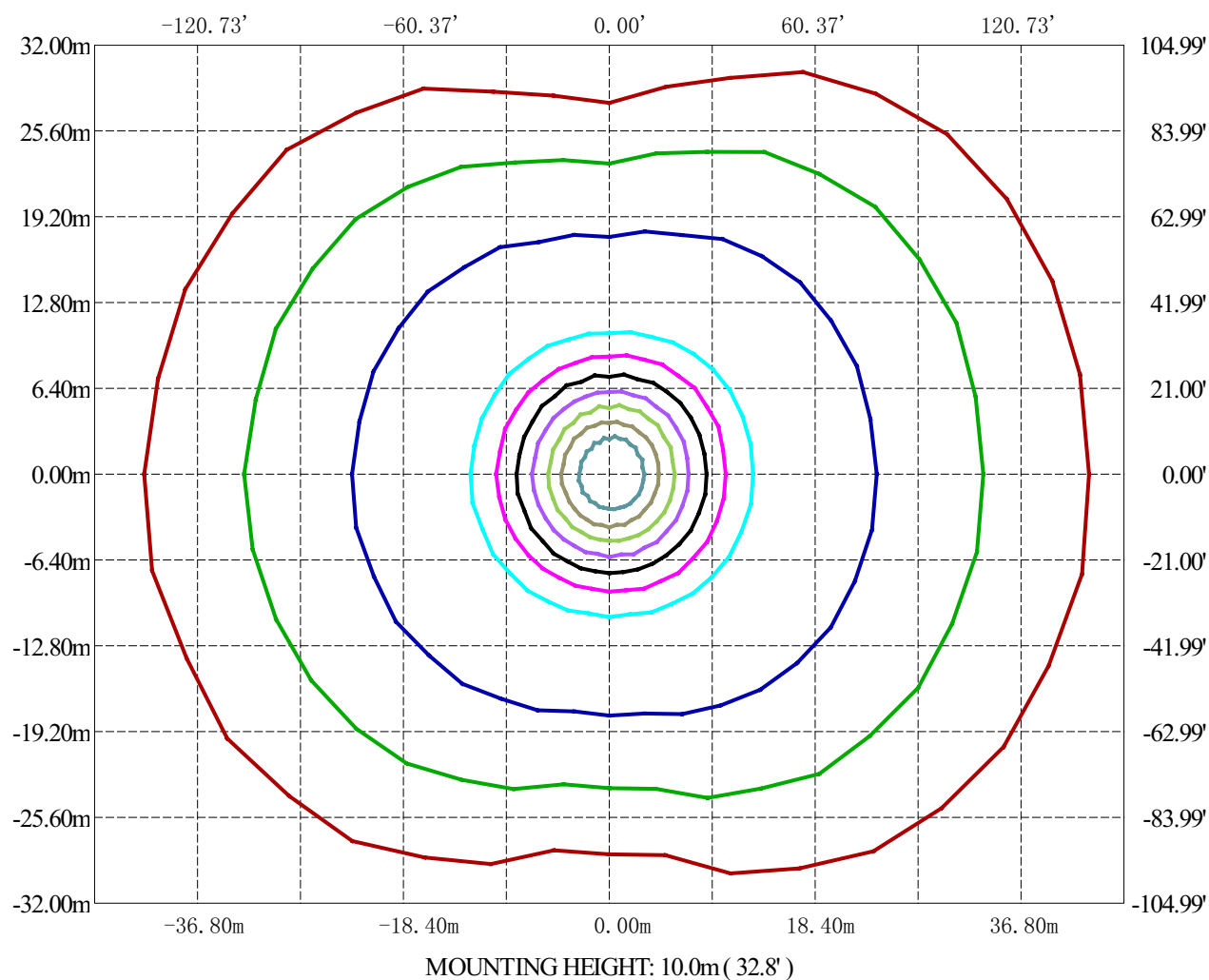
p _{cc}	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.356	.356	.356	.304	.304	.304	.208	.208	.208	.119	.119	.119	.038	.038	.038	
1.0	.352	.323	.296	.301	.277	.255	.206	.190	.176	.119	.110	.102	.038	.035	.033	
2.0	.345	.300	.262	.296	.258	.226	.203	.179	.158	.117	.104	.092	.038	.034	.030	
3.0	.338	.284	.240	.290	.245	.208	.199	.170	.146	.115	.099	.086	.037	.032	.028	
4.0	.330	.271	.226	.283	.234	.196	.195	.163	.138	.113	.096	.082	.036	.031	.027	
5.0	.323	.261	.216	.277	.226	.188	.191	.158	.133	.111	.093	.079	.036	.030	.026	
6.0	.315	.253	.209	.271	.220	.182	.187	.154	.129	.108	.090	.077	.035	.030	.025	
7.0	.308	.247	.204	.265	.214	.178	.183	.150	.126	.106	.088	.075	.034	.029	.025	
8.0	.302	.241	.200	.260	.209	.174	.180	.147	.124	.105	.087	.074	.034	.028	.024	
9.0	.296	.237	.197	.255	.205	.172	.176	.144	.122	.103	.085	.073	.033	.028	.024	
10.0	.290	.233	.195	.250	.202	.170	.173	.142	.121	.101	.084	.072	.033	.028	.024	

C Angle Range: 0-360Deg γ Range: 0-180Deg Test No.: 001
 C Precious: 10 Deg γ Precious: 1 Deg Tester: QA Shan
 Distance: 3.000 m Date: 2016-05-31 Time: 21:38:51
 Other:

SSP6316-D50: Lamp Space Intensity Distribution

ISOLUX Diagram

Lamp Description					
Lamp Name:	SLT813P450-5	Lamp Des:	Test	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:278.000V I:0.054A P:13.400W			LuminareFlux:	1*0.00 lm



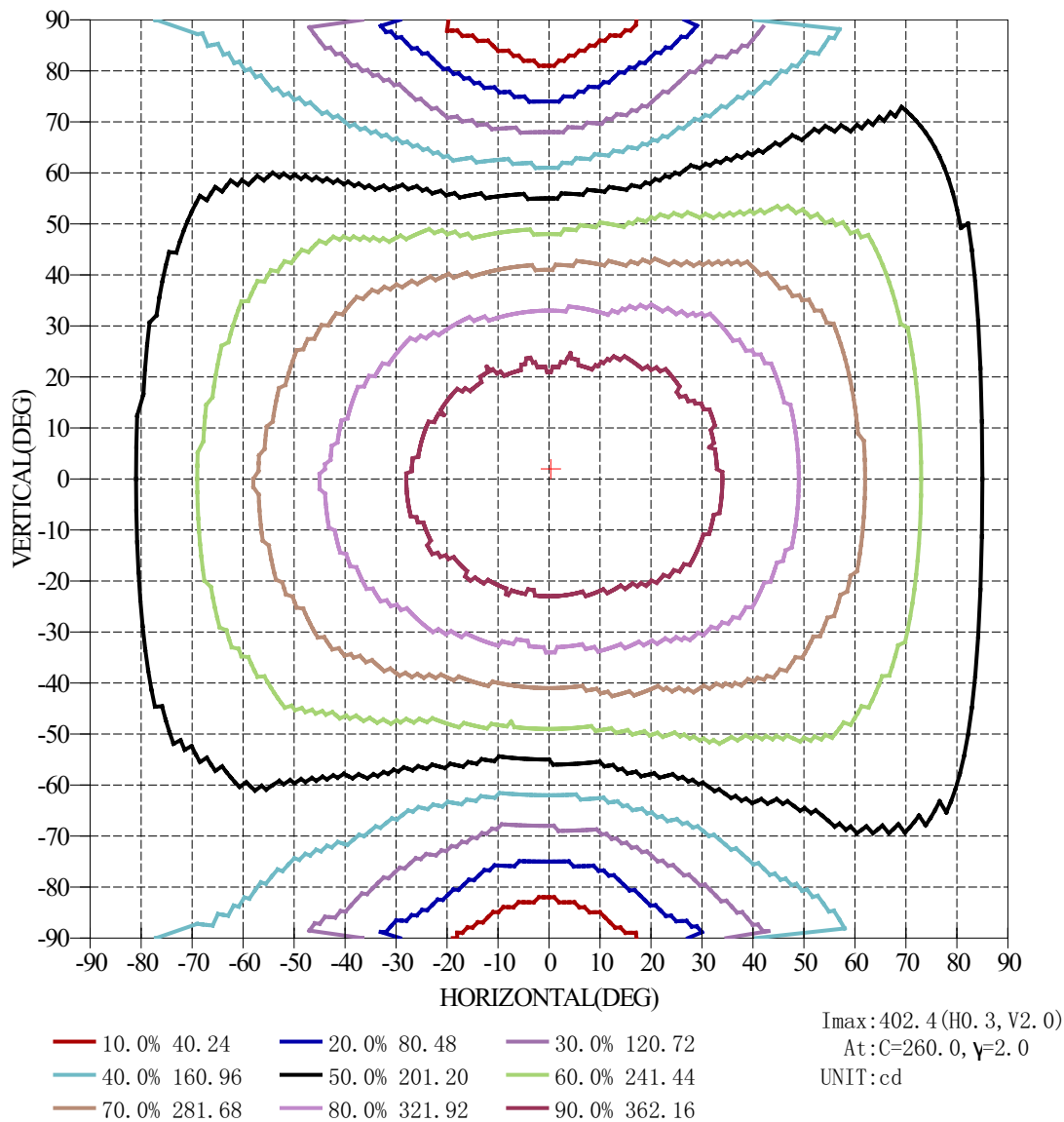
3.0% 0.1192lx 0.0111fc	5.0% 0.1987lx 0.0185fc	10.0% 0.3974lx 0.0369fc
30.0% 1.1922lx 0.1108fc	40.0% 1.5895lx 0.1477fc	50.0% 1.9869lx 0.1846fc
60.0% 2.3843lx 0.2215fc	70.0% 2.7817lx 0.2584fc	80.0% 3.1791lx 0.2953fc
90.0% 3.5765lx 0.3323fc		

C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	3.000 m	Date:	2016-05-31	Time:	21:38:51
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

ISOCANDELA Diagram

Lamp Description					
Lamp Name:	SLT813P450-5	Lamp Des:	Test	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:278.000V I:0.054A P:13.400W			LuminareFlux:	1*0.00 lm

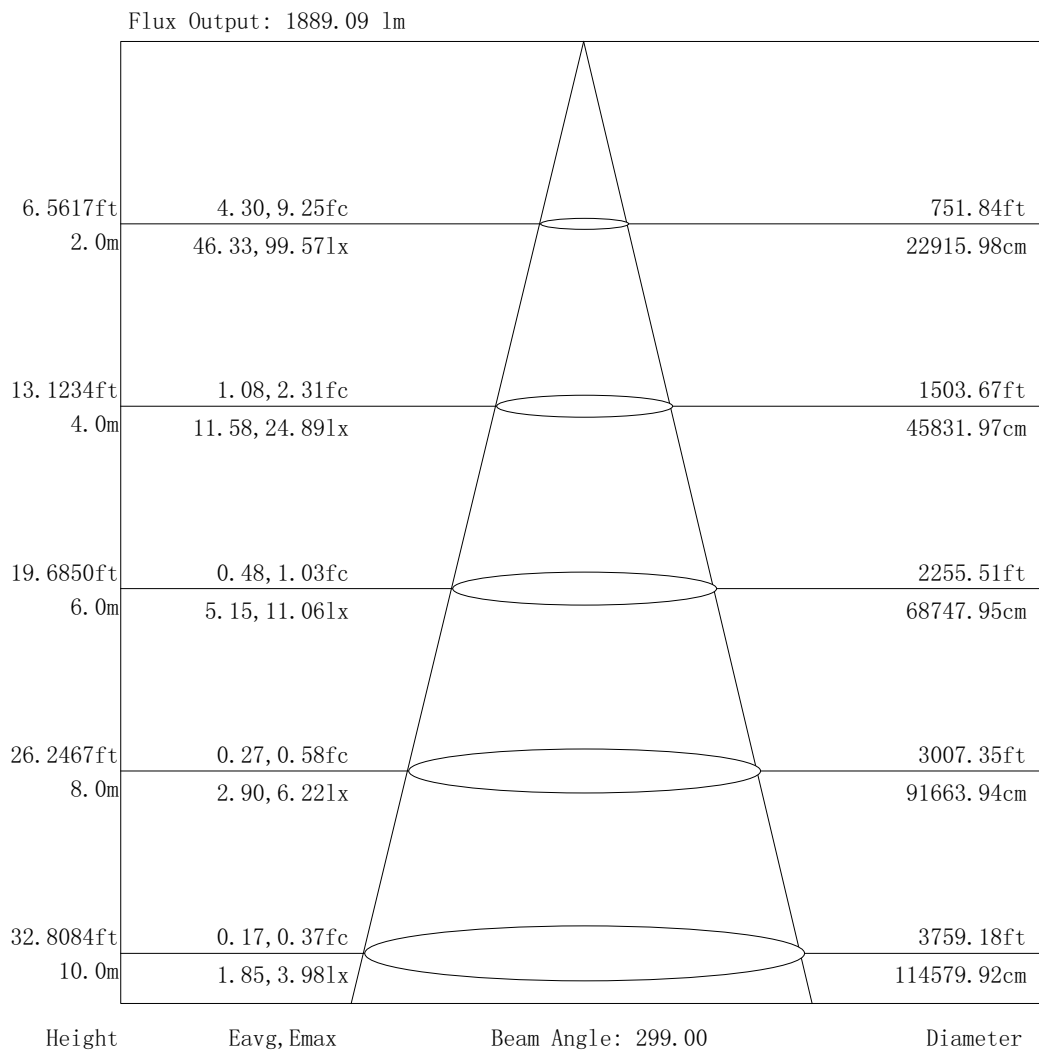


C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	3.000 m	Date:	2016-05-31	Time:	21:38:51
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Effective Average Illuminance Diagram

Lamp Description					
Lamp Name:	SLT813P450-5	Lamp Des:	Test	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:278.000V I:0.054A P:13.400W			LuminareFlux:	1*0.00 lm



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

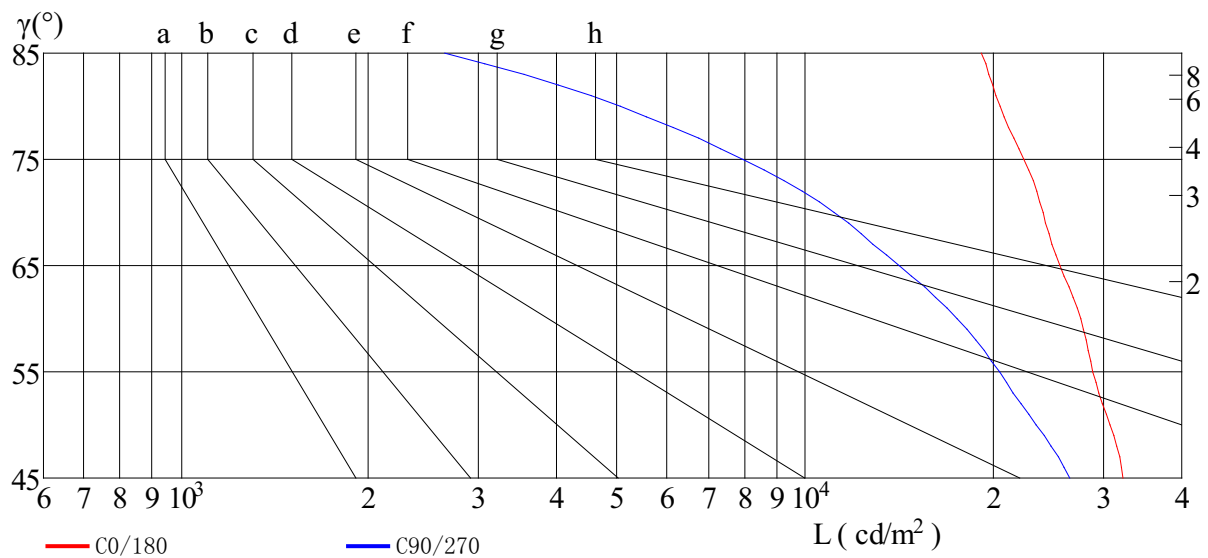
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	3.000 m	Date:	2016-05-31	Time:	21:38:51
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Luminance Limitation Curves

Lamp Description					
Lamp Name:	SLT813P450-5	Lamp Des:	Test	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:278.000V I:0.054A P:13.400W			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	19093	20469	22337	23993	25521	27564	28798	30700	32200	cd/m2
C90	2637	5041	7918	11093	14102	17461	20430	23373	26460	

C Angle Range: 0-360Deg γ Range: 0-180Deg Test No.: 001
 C Precious: 10 Deg γ Precious: 1 Deg Tester: QA Shan
 Distance: 3.000 m Date: 2016-05-31 Time: 21:38:51
 Other:



SSP6316-D50: Lamp Space Intensity Distribution Tester

UTILIZATION FACTORS TABLE

Lamp Description					
Lamp Name:	SLT813P450-5	Lamp Des:	Test	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:278.000V I:0.054A P:13.400W			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) $k(RI) \times RCR = 5$								
$k = 0.60$	48	35	27	47	34	27	44	33	26
0.80	57	44	35	55	43	35	52	41	34
1.00	65	52	43	63	50	42	58	48	40
1.25	72	59	50	69	57	49	64	54	47
1.50	77	65	56	74	62	54	68	59	52
2.00	84	73	64	80	70	63	74	66	59
2.50	88	78	70	85	75	68	77	70	64
3.00	92	83	75	88	80	73	80	74	68
4.00	97	89	82	92	85	79	84	79	74
5.00	99	93	87	95	89	83	87	82	77
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:	3.000 m	Date:	2016-05-31	Time:	21:38:51
Other:					