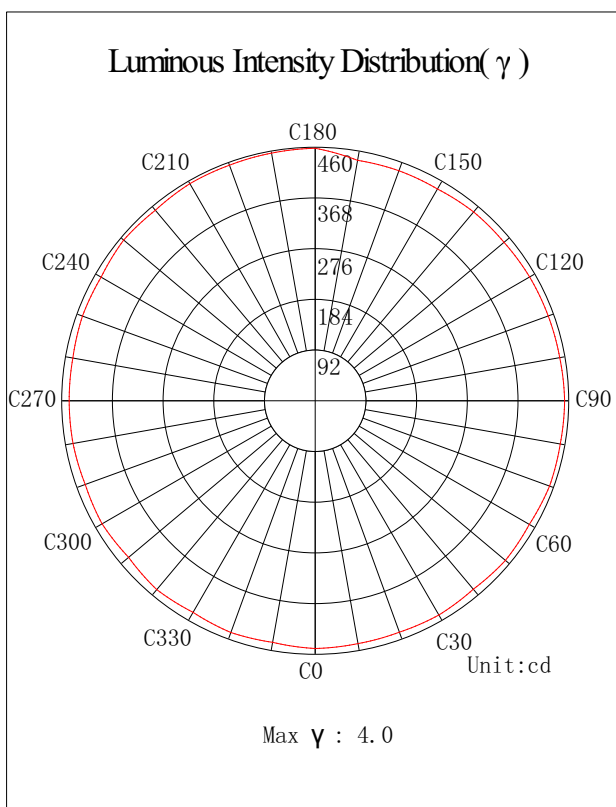
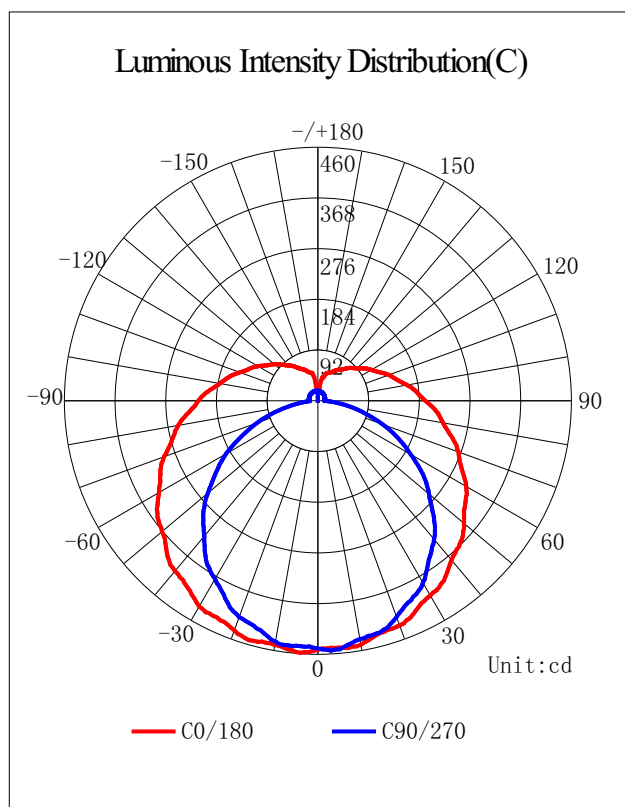


SSP6316-D50: Lamp Space Intensity Distribution

Photometric Data of Luminaire

Lamp Description					
Lamp Name:	SLT815P450-S	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:278.100V I:0.061A P:15.600W			LuminareFlux:	1*0.00 lm

Lamp Test Data			
Lamp Flux:	2175.46 lm	Center Cd.:	449.6 cd
Max(C, γ):	(180, 4.0)	Maximum Cd.:	458.2 cd
BeamAngle(50%):	166.0 Deg	BeamAngle(10%):	335.0 Deg
Flux(0-90):	1701.32 lm(78.2%)	Flux(90-180):	474.1 lm(21.8%)
LuminousEfficacy:	139.45 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:	20:45:30
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	449.3	442.4	439.3	442.9	449.8	448.1	443.6	438.4	0-10	42.63	42.63	1.96	1.96
20	433.7	420.8	417.4	428.0	443.3	433.6	417.6	417.2	10-20	123.13	165.76	7.62	7.62
30	407.9	388.7	381.3	402.0	430.8	408.9	373.2	385.2	20-30	190.09	355.86	16.36	16.36
40	377.3	349.1	328.0	365.3	403.2	373.6	320.7	345.6	30-40	236.71	592.57	27.24	27.24
50	345.9	303.5	263.3	321.7	369.1	330.4	260.4	300.0	40-50	259.09	851.66	39.15	39.15
60	310.7	256.6	194.3	275.7	332.8	285.1	192.5	253.5	50-60	257.41	1109.07	50.99	50.99
70	271.5	211.5	124.9	230.7	297.0	239.2	117.2	207.8	60-70	235.41	1344.48	61.81	61.81
80	230.7	170.5	57.0	187.3	257.4	194.7	48.2	166.0	70-80	199.84	1544.33	70.99	70.99
90	194.9	126.7	13.2	141.9	217.0	148.0	15.4	123.4	80-90	157.00	1701.32	78.21	78.21
100	164.3	102.3	12.6	114.4	180.4	120.4	16.1	99.8	90-100	121.14	1822.47	83.78	83.78
110	136.9	83.6	13.3	93.8	150.8	99.6	16.7	83.5	100-110	98.80	1921.27	88.32	88.32
120	112.1	72.5	14.2	80.7	125.5	85.6	17.1	72.8	110-120	79.64	2000.90	91.98	91.98
130	91.5	63.0	15.0	69.6	103.2	73.8	17.4	63.6	120-130	62.30	2063.21	94.85	94.85
140	75.6	55.4	15.6	58.9	83.7	62.1	17.8	56.4	130-140	46.79	2110.00	97.00	97.00
150	63.2	50.5	16.2	46.8	68.2	48.1	18.2	51.7	140-150	32.59	2142.59	98.49	98.49
160	53.7	47.4	16.9	37.9	57.1	38.5	18.2	47.7	150-160	20.39	2162.98	99.43	99.43
170	39.8	33.1	17.5	32.2	45.8	32.6	17.9	32.1	160-170	10.32	2173.30	99.91	99.91
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170-180	2.15	2175.46	100.00	100.00
DEG	LUMINOUS INTENSITY:cd									UNIT:lm			

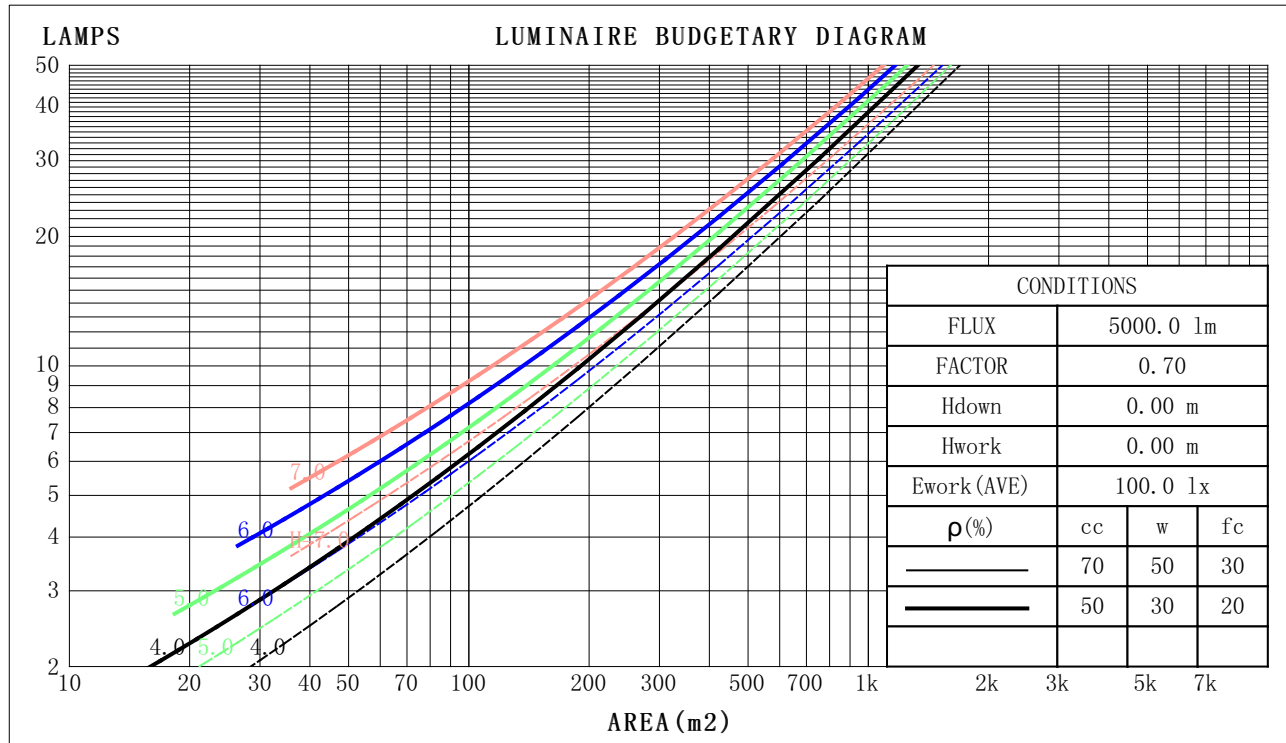
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	3.000 m	Date:	2016-05-31	Time:	20:45:30
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Lamp Description					
Lamp Name:	SLT815P450-S	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:278.100V I:0.061A P:15.600W			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	.90	.86	.81	.82	.78	.75	.74	.71	.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	.52	.61	.54	.49	.55	.50	.45	.50	.46	.42	.39
4.0	.62	.52	.45	.59	.50	.44	.54	.47	.41	.49	.43	.38	.44	.39	.35	.32
5.0	.55	.45	.38	.52	.44	.37	.48	.40	.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	.30	.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	.18	.16
10.0	.34	.26	.20	.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:	20:45:30
Other:					



SSP6316-D50: Lamp Space Intensity Distribution

WEC AND CCEC

Lamp Description					
Lamp Name:	SLT815P450-S	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:278.100V I:0.061A P:15.600W			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	.217	.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	.180	.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	.072	.021	.133	.068	.020	
10.0	.164	.079	.022	.158	.076	.021	.147	.072	.020	.136	.067	.019	.125	.063	.018	

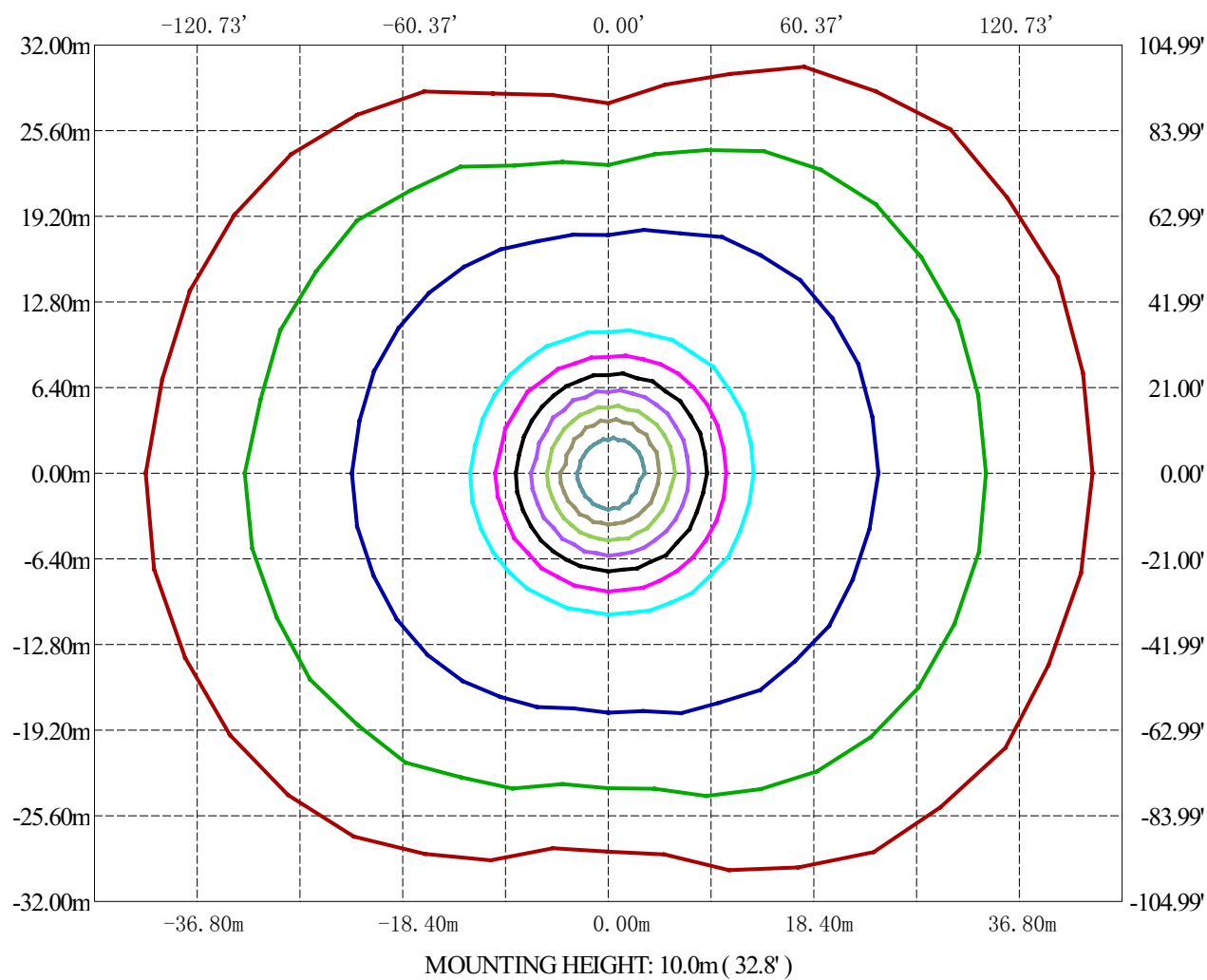
p _{cc}	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.357	.357	.357	.305	.305	.305	.208	.208	.208	.119	.119	.119	.038	.038	.038	
1.0	.353	.323	.296	.302	.277	.255	.206	.191	.176	.119	.110	.103	.038	.036	.033	
2.0	.346	.300	.262	.296	.258	.226	.203	.179	.158	.117	.104	.093	.038	.034	.030	
3.0	.338	.284	.240	.290	.245	.208	.199	.170	.146	.115	.099	.086	.037	.032	.028	
4.0	.331	.272	.226	.284	.235	.197	.195	.164	.138	.113	.096	.082	.036	.031	.027	
5.0	.323	.262	.217	.277	.226	.188	.191	.158	.133	.111	.093	.079	.036	.030	.026	
6.0	.316	.254	.210	.271	.220	.182	.187	.154	.129	.109	.091	.077	.035	.030	.025	
7.0	.309	.247	.204	.266	.214	.178	.183	.150	.126	.107	.089	.075	.034	.029	.025	
8.0	.302	.242	.200	.260	.210	.175	.180	.147	.124	.105	.087	.074	.034	.028	.024	
9.0	.296	.237	.197	.255	.206	.172	.177	.145	.122	.103	.085	.073	.033	.028	.024	
10.0	.290	.233	.195	.250	.202	.170	.174	.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: 20:45:30
 Other:

SSP6316-D50: Lamp Space Intensity Distribution

ISOLUX Diagram

Lamp Description					
Lamp Name:	SLT815P450-S	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:278.100V I:0.061A P:15.600W			LuminareFlux:	1*0.00 lm



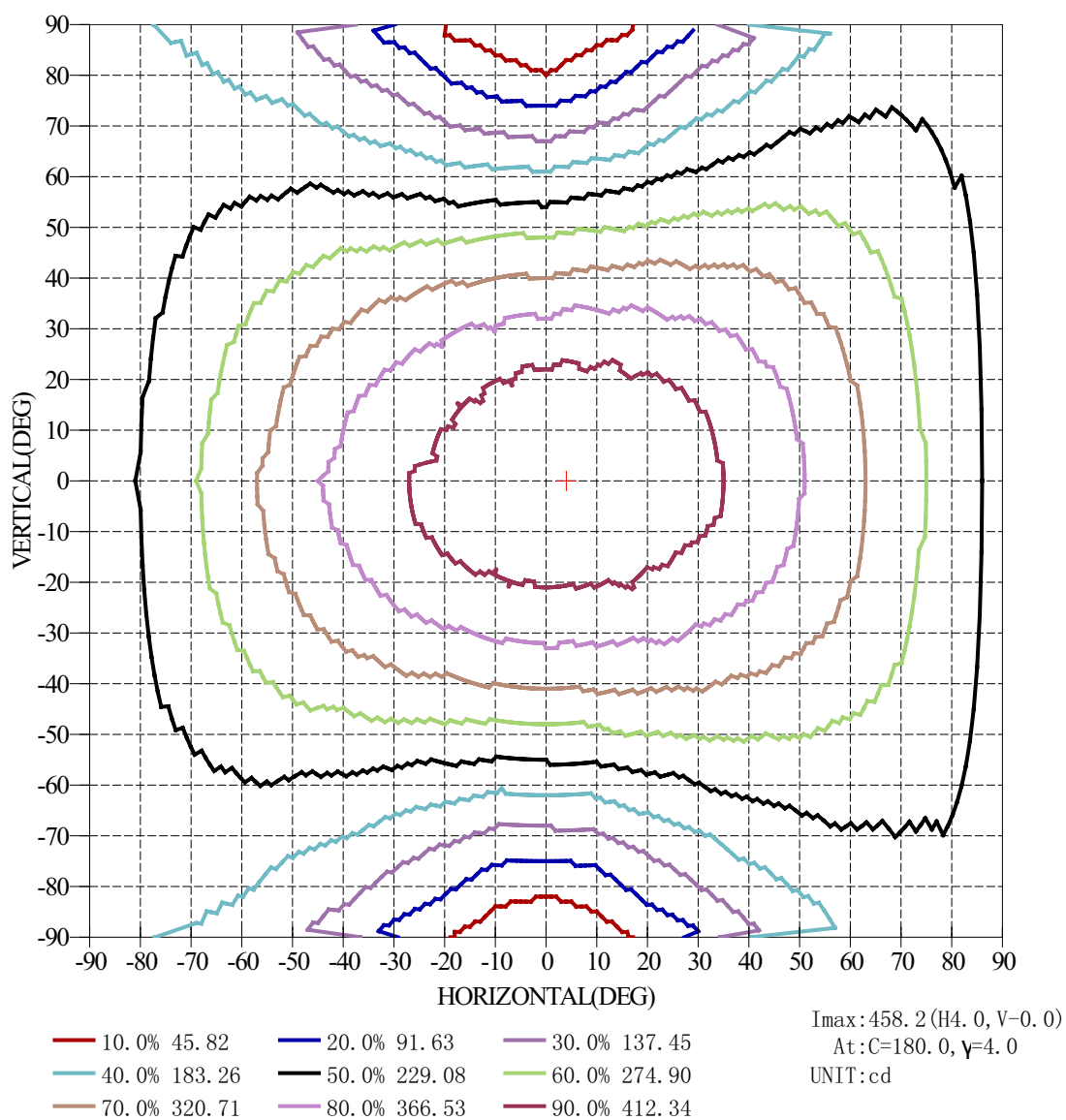
3.0% 0.1349lx 0.0125fc	5.0% 0.2248lx 0.0209fc	10.0% 0.4496lx 0.0418fc
30.0% 1.3489lx 0.1253fc	40.0% 1.7985lx 0.1671fc	50.0% 2.2481lx 0.2089fc
60.0% 2.6978lx 0.2506fc	70.0% 3.1474lx 0.2924fc	80.0% 3.5970lx 0.3342fc
90.0% 4.0466lx 0.3759fc		

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:	20:45:30
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

ISOCANDELA Diagram

Lamp Description					
Lamp Name:	SLT815P450-S	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:278.100V I:0.061A P:15.600W			LuminareFlux:	1*0.00 lm



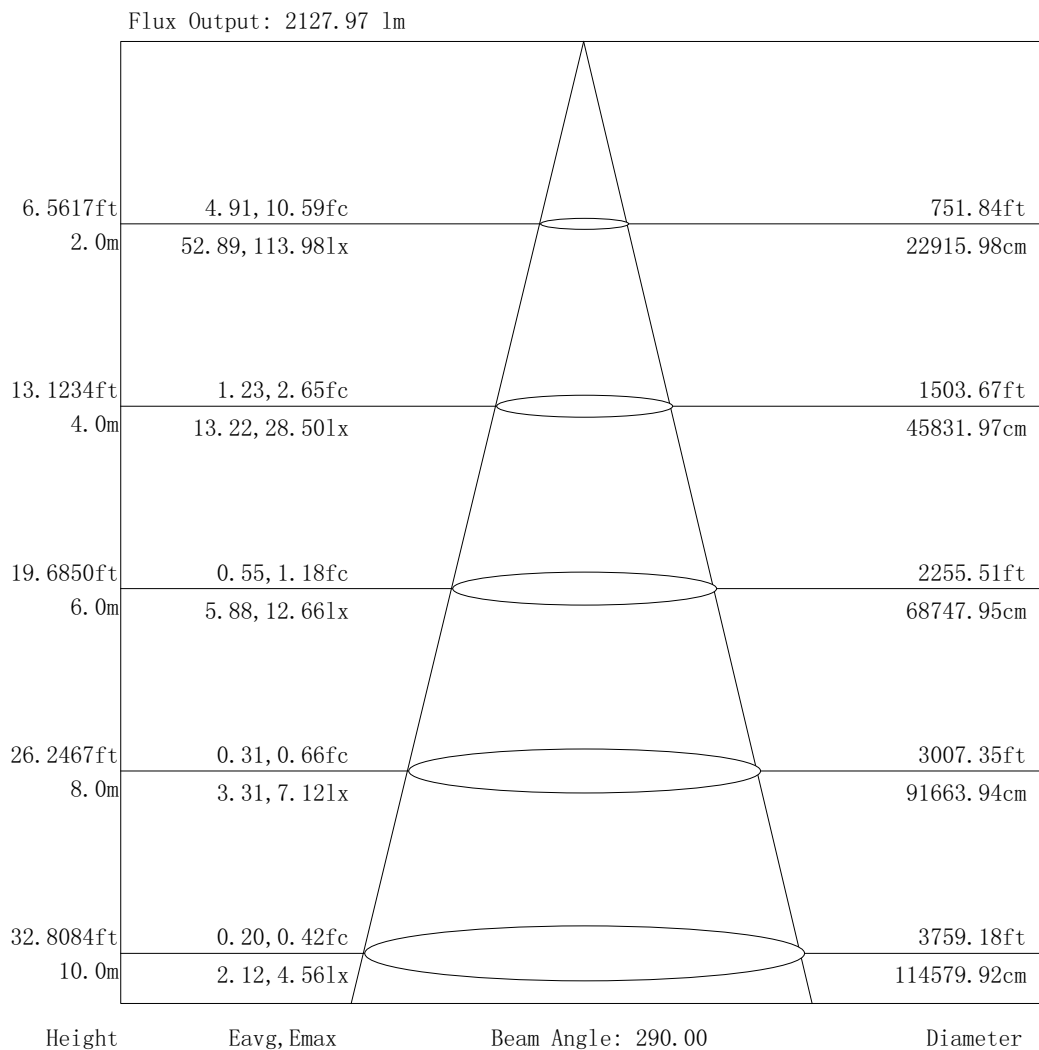
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	3.000 m	Date:	2016-05-31	Time:	20:45:30
Other:					



SSP6316-D50: Lamp Space Intensity Distribution

Effective Average Illuminance Diagram

Lamp Description					
Lamp Name:	SLT815P450-S	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:278.100V I:0.061A P:15.600W			LuminareFlux:	1*0.00 lm



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

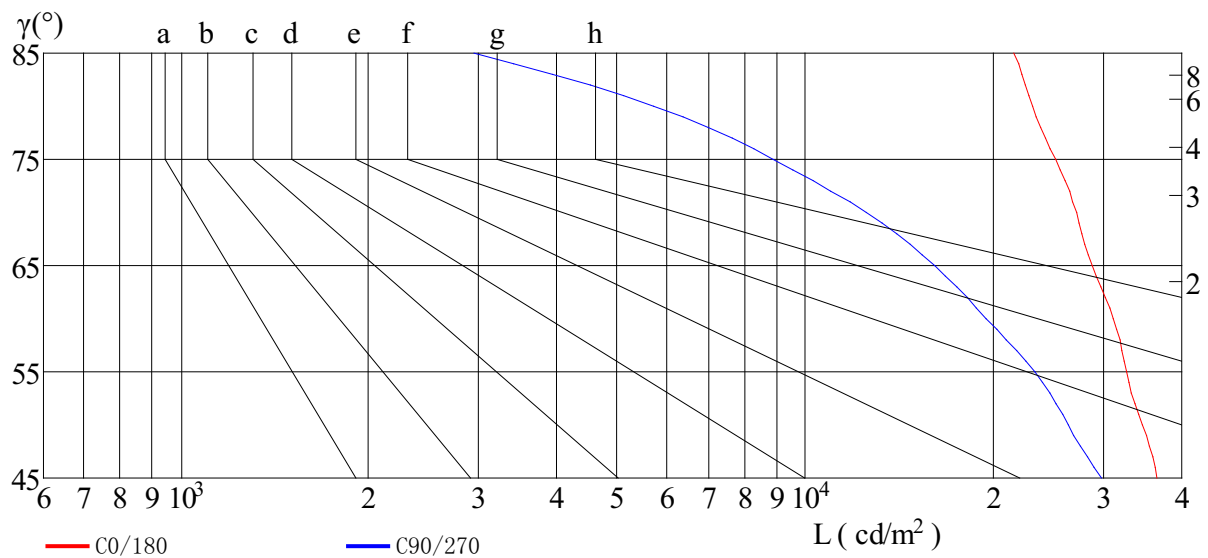
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	3.000 m	Date:	2016-05-31	Time:	20:45:30
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Luminance Limitation Curves

Lamp Description					
Lamp Name:	SLT815P450-S	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:278.100V I:0.061A P:15.600W			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	21524	23074	25129	27148	28752	31070	32641	34595	36498	cd/m2
C90	2938	5699	8854	12493	16080	19430	23270	26327	29751	

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: 20:45:30
 Other:



SSP6316-D50: Lamp Space Intensity Distribution Tester

UTILIZATION FACTORS TABLE

Lamp Description					
Lamp Name:	SLT815P450-S	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:278.100V I:0.061A P:15.600W			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	46	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	96	89	82	92	85	79	84	78	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: 20:45:30
 Other: