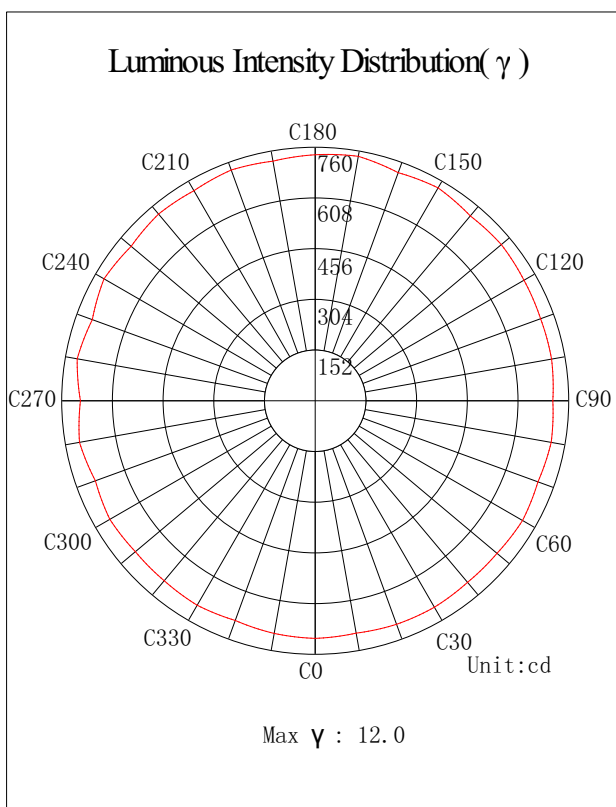
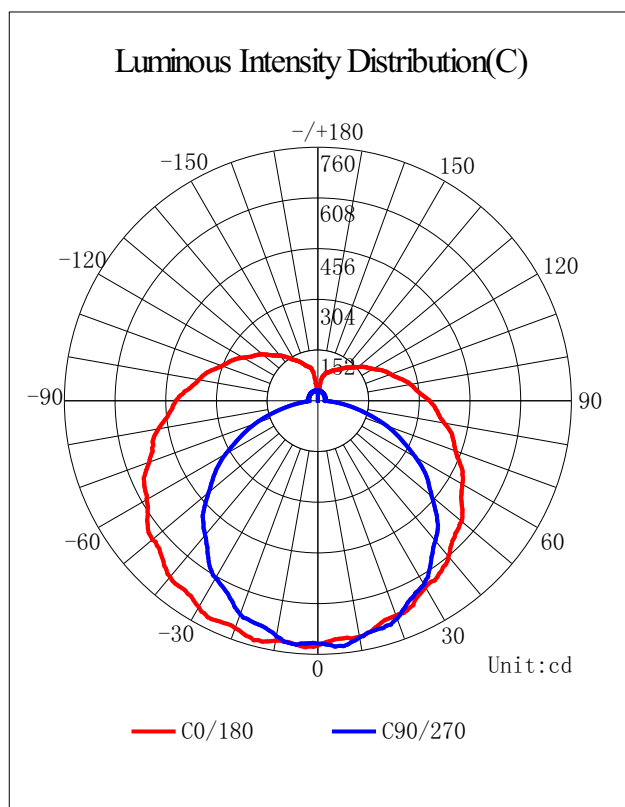


SSP6316-D50: Lamp Space Intensity Distribution

Photometric Data of Luminaire

Lamp Description					
Lamp Name:	SLT828P450	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:278.200V I:0.110A P:29.600W			LuminareFlux:	1*0.00 lm

Lamp Test Data			
Lamp Flux:	3785.28 lm	Center Cd.:	731.1 cd
Max(C, γ):	(170, 12.0)	Maximum Cd.:	744.1 cd
BeamAngle(50%):	179.0 Deg	BeamAngle(10%):	339.0 Deg
Flux(0-90):	2890.89 lm(76.4%)	Flux(90-180):	894.4 lm(23.6%)
LuminousEfficacy:	127.88 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:	22:08:05
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	718.3	720.2	720.5	725.0	730.0	725.1	716.5	714.0	0-10	69.36	69.36	1.84	1.84
20	685.1	683.3	694.5	714.1	725.3	708.2	680.9	676.8	10-20	200.86	270.22	7.14	7.14
30	645.0	627.5	636.1	685.0	714.1	681.5	612.9	618.4	20-30	311.90	582.12	15.38	15.38
40	609.3	565.1	548.1	633.2	689.3	629.7	526.0	553.8	30-40	391.56	973.68	25.73	25.73
50	562.4	502.0	445.5	563.3	647.4	564.2	427.5	488.6	40-50	433.69	1407.37	37.19	37.19
60	499.8	430.6	337.8	493.7	592.6	494.0	319.1	419.3	50-60	437.33	1844.70	48.74	48.74
70	439.1	355.3	219.9	428.4	538.0	430.3	199.9	346.1	60-70	407.40	2252.09	59.50	59.50
80	384.8	287.7	101.0	362.0	485.3	365.3	83.5	277.3	70-80	353.55	2605.64	68.84	68.84
90	335.3	218.5	23.1	283.6	425.6	288.9	26.4	211.7	80-90	285.25	2890.89	76.38	76.38
100	281.6	178.6	22.0	233.0	362.6	238.6	27.5	173.8	90-100	225.65	3116.53	82.34	82.34
110	232.5	145.5	23.2	195.8	305.5	203.1	28.7	145.2	100-110	186.99	3303.53	87.28	87.28
120	191.0	124.4	24.6	172.3	258.8	179.5	29.5	124.3	110-120	152.10	3455.63	91.30	91.30
130	157.4	106.1	25.5	148.0	216.6	155.1	29.7	106.6	120-130	118.98	3574.61	94.44	94.44
140	128.9	94.1	26.5	123.2	176.8	128.3	30.1	95.7	130-140	88.86	3663.47	96.79	96.79
150	106.5	87.2	27.6	93.7	141.2	95.6	30.7	90.1	140-150	61.34	3724.81	98.41	98.41
160	91.2	83.7	28.8	73.5	114.3	74.3	31.1	84.8	150-160	37.82	3762.63	99.41	99.41
170	68.0	54.9	29.7	63.3	89.6	64.6	30.5	54.1	160-170	18.87	3781.50	99.91	99.91
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170-180	3.78	3785.28	100.00	100.00
DEG	LUMINOUS INTENSITY:cd									UNIT:lm			

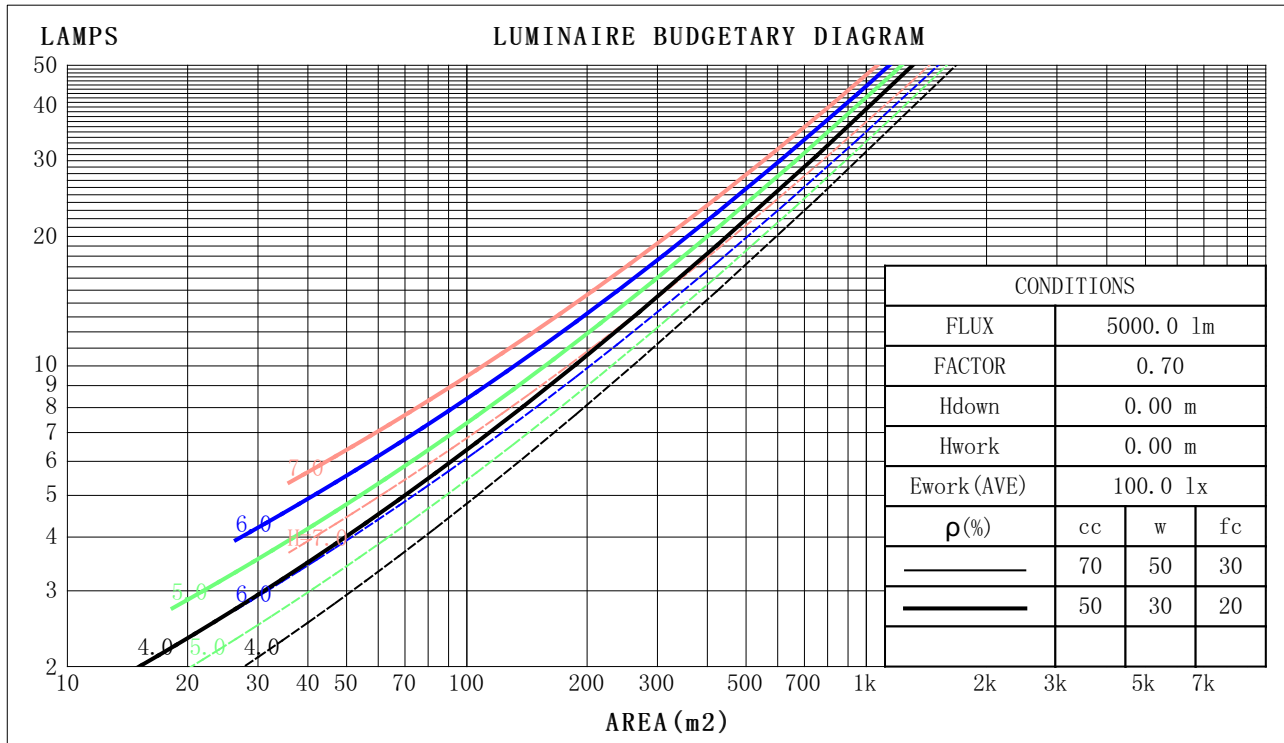
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	3.000 m	Date:	2016-05-31	Time:	22:08:05
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Lamp Description					
Lamp Name:	SLT828P450	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:278.200V I:0.110A P:29.600W			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	1.13	1.13	1.13	1.08	1.08	1.08	.98	.98	.98	.89	.89	.89	.80	.80	.80	.76
1.0	.94	.89	.84	.90	.85	.80	.81	.77	.74	.73	.70	.67	.66	.63	.61	.57
2.0	.80	.73	.66	.77	.69	.63	.69	.63	.58	.62	.58	.54	.56	.52	.49	.45
3.0	.70	.61	.54	.66	.58	.52	.60	.53	.48	.54	.48	.44	.48	.44	.40	.37
4.0	.61	.52	.45	.58	.50	.43	.53	.46	.40	.48	.42	.37	.43	.38	.34	.31
5.0	.54	.45	.38	.52	.43	.36	.47	.40	.34	.42	.36	.31	.38	.33	.29	.26
6.0	.48	.39	.33	.46	.38	.31	.42	.35	.29	.38	.32	.27	.34	.29	.25	.23
7.0	.44	.35	.28	.42	.33	.27	.38	.31	.26	.35	.28	.24	.31	.26	.22	.20
8.0	.40	.31	.25	.38	.30	.24	.35	.28	.23	.32	.26	.21	.29	.24	.20	.17
9.0	.36	.28	.22	.35	.27	.22	.32	.25	.20	.29	.23	.19	.26	.21	.18	.16
10.0	.33	.25	.20	.32	.24	.19	.29	.23	.18	.27	.21	.17	.25	.20	.16	.14



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: 22:08:05
 Other:



SSP6316-D50: Lamp Space Intensity Distribution

WEC AND CCEC

Lamp Description					
Lamp Name:	SLT828P450	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:278.200V I:0.110A P:29.600W			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	.386	.219	.069	.371	.212	.067	.344	.197	.063	.319	.184	.059	.296	.172	.055	
2.0	.333	.182	.056	.320	.176	.054	.295	.164	.051	.272	.153	.048	.252	.142	.045	
3.0	.295	.157	.047	.283	.152	.046	.261	.141	.043	.240	.132	.040	.221	.123	.038	
4.0	.265	.138	.041	.254	.133	.039	.234	.124	.037	.216	.116	.035	.198	.108	.033	
5.0	.241	.123	.036	.231	.119	.035	.213	.111	.033	.196	.103	.031	.180	.096	.029	
6.0	.221	.111	.032	.212	.107	.031	.195	.100	.029	.179	.093	.027	.164	.087	.026	
7.0	.203	.101	.029	.195	.097	.028	.180	.091	.026	.165	.085	.025	.152	.079	.023	
8.0	.189	.092	.026	.181	.089	.025	.167	.083	.024	.153	.078	.022	.141	.072	.021	
9.0	.176	.085	.024	.169	.082	.023	.156	.077	.022	.143	.072	.021	.132	.067	.019	
10.0	.164	.079	.022	.158	.076	.021	.146	.071	.020	.134	.067	.019	.123	.062	.018	

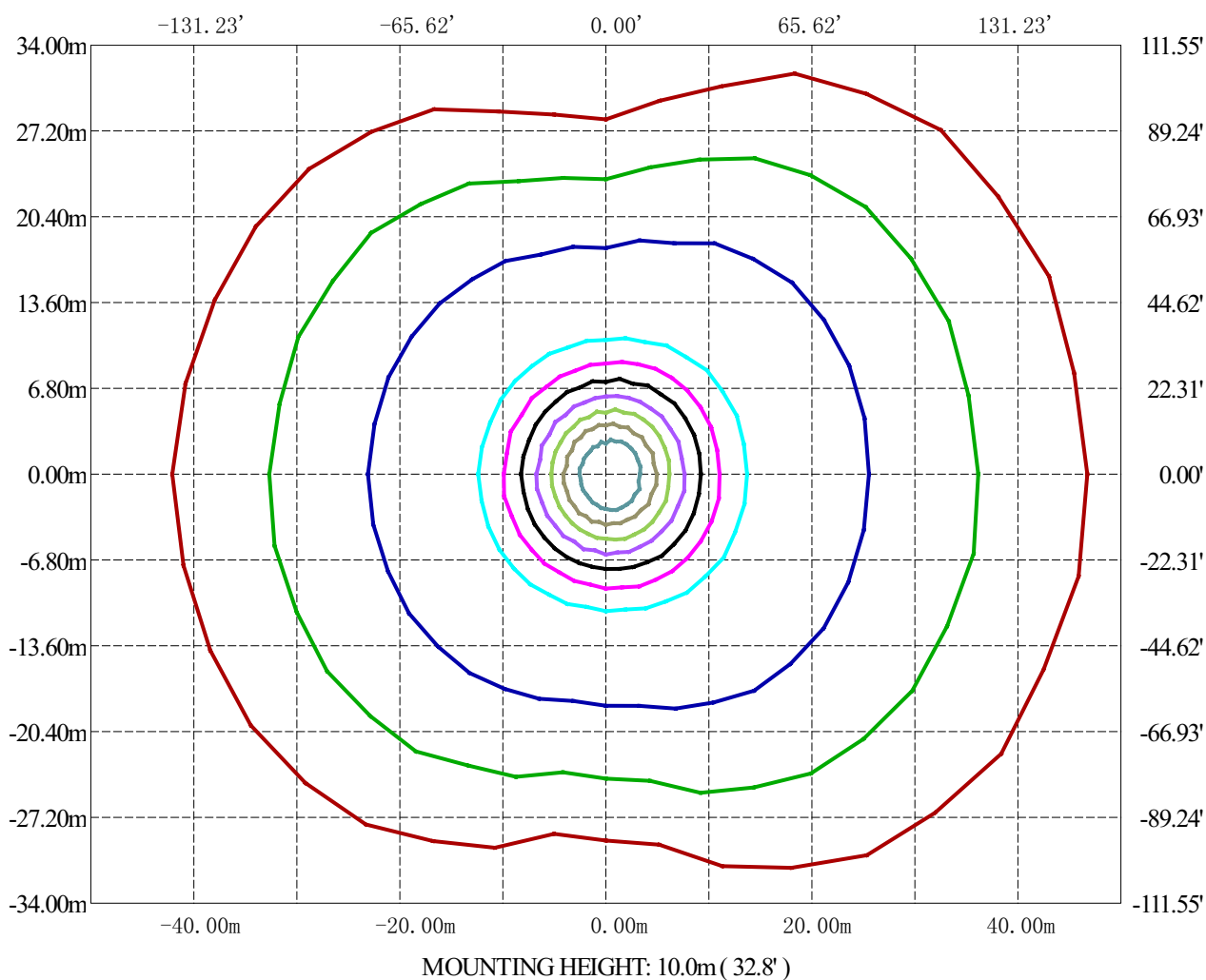
p _{cc}	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.371	.371	.371	.317	.317	.317	.216	.216	.216	.124	.124	.124	.040	.040	.040	
1.0	.367	.337	.310	.314	.289	.267	.215	.199	.184	.124	.115	.107	.040	.037	.035	
2.0	.360	.314	.276	.309	.271	.238	.212	.187	.166	.122	.109	.097	.039	.035	.032	
3.0	.353	.298	.254	.303	.257	.221	.208	.179	.155	.120	.104	.091	.039	.034	.030	
4.0	.345	.286	.240	.296	.247	.209	.204	.172	.147	.118	.101	.087	.038	.033	.029	
5.0	.338	.276	.231	.290	.239	.201	.200	.167	.142	.116	.098	.084	.037	.032	.028	
6.0	.330	.268	.224	.284	.232	.195	.196	.163	.138	.114	.096	.082	.037	.031	.027	
7.0	.323	.262	.219	.278	.227	.191	.192	.159	.135	.112	.094	.080	.036	.031	.027	
8.0	.317	.256	.215	.273	.222	.187	.189	.156	.133	.110	.092	.079	.036	.030	.026	
9.0	.310	.252	.212	.267	.218	.185	.185	.154	.131	.108	.091	.078	.035	.030	.026	
10.0	.305	.248	.209	.263	.215	.183	.182	.151	.130	.106	.089	.077	.034	.029	.026	

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: 22:08:05
 Other:

SSP6316-D50: Lamp Space Intensity Distribution

ISOLUX Diagram

Lamp Description					
Lamp Name:	SLT828P450	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:278.200V I:0.110A P:29.600W			LuminareFlux:	1*0.00 lm



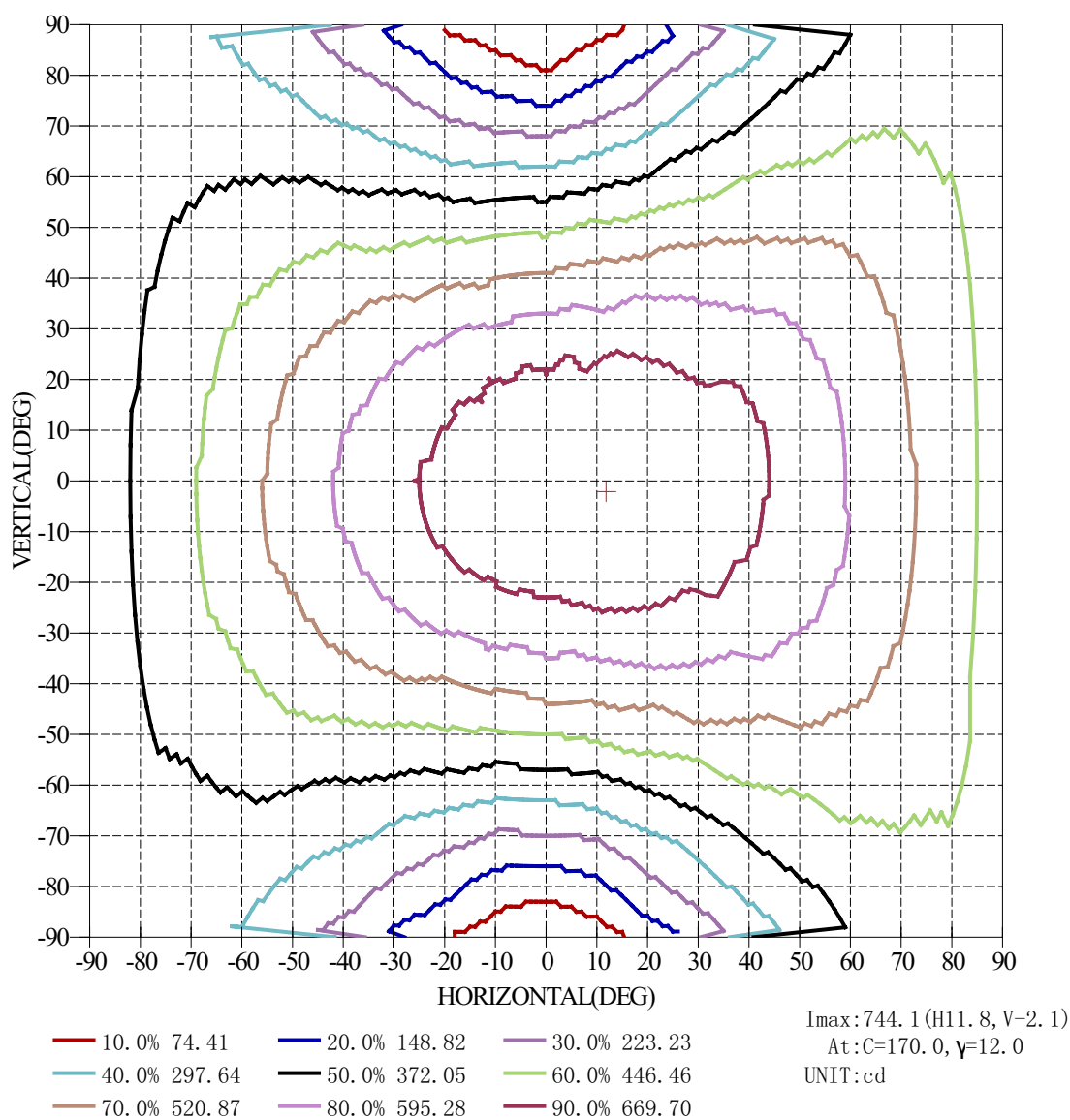
3.0% 0.2193lx 0.0204fc	5.0% 0.3656lx 0.0340fc	10.0% 0.7311lx 0.0679fc
30.0% 2.1934lx 0.2038fc	40.0% 2.9245lx 0.2717fc	50.0% 3.6556lx 0.3396fc
60.0% 4.3867lx 0.4075fc	70.0% 5.1179lx 0.4754fc	80.0% 5.8490lx 0.5434fc
90.0% 6.5801lx 0.6113fc		

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:	22:08:05
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

ISOCANDELA Diagram

Lamp Description					
Lamp Name:	SLT828P450	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:278.200V I:0.110A P:29.600W			LuminareFlux:	1*0.00 lm

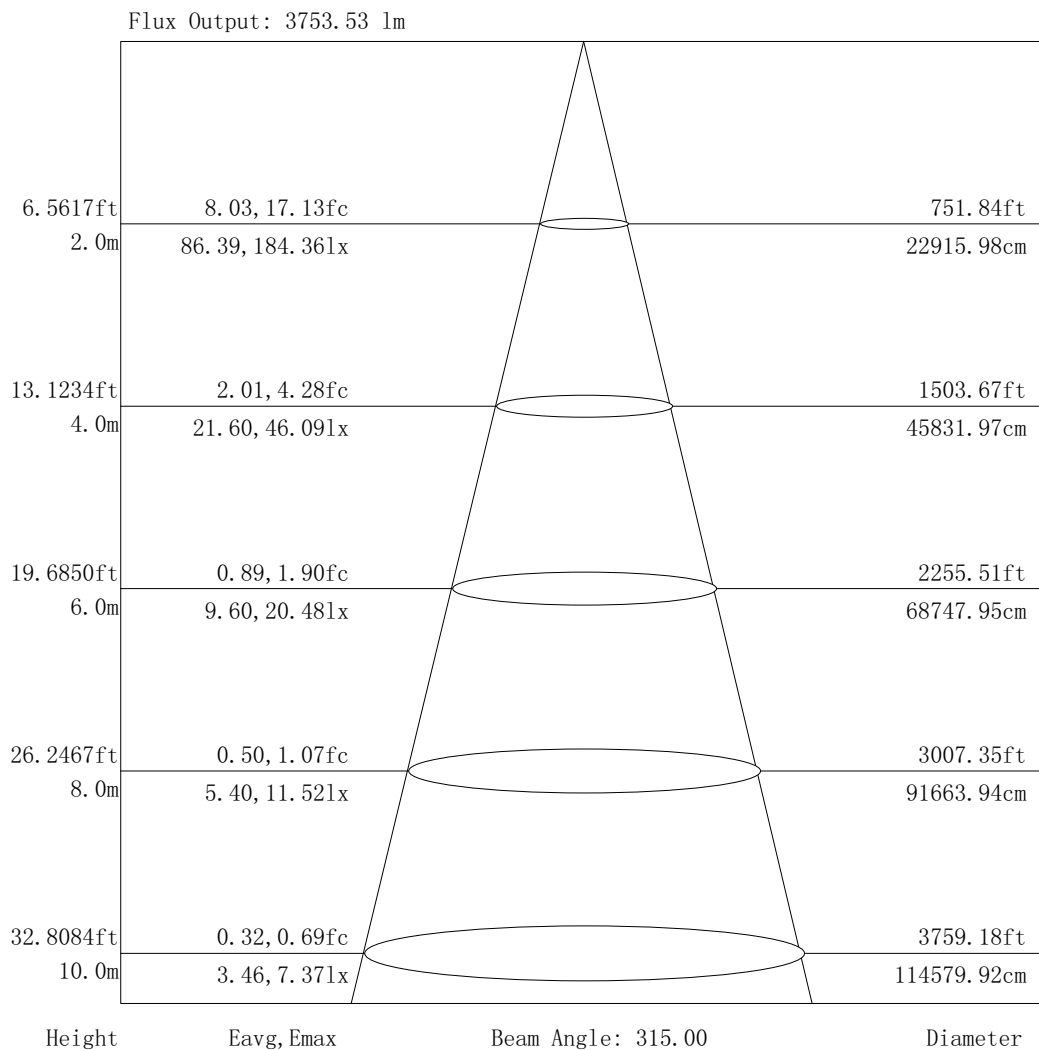


C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	3.000 m	Date:	2016-05-31	Time:	22:08:05
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Effective Average Illuminance Diagram

Lamp Description					
Lamp Name:	SLT828P450	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:278.200V I:0.110A P:29.600W			LuminareFlux:	1*0.00 lm



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

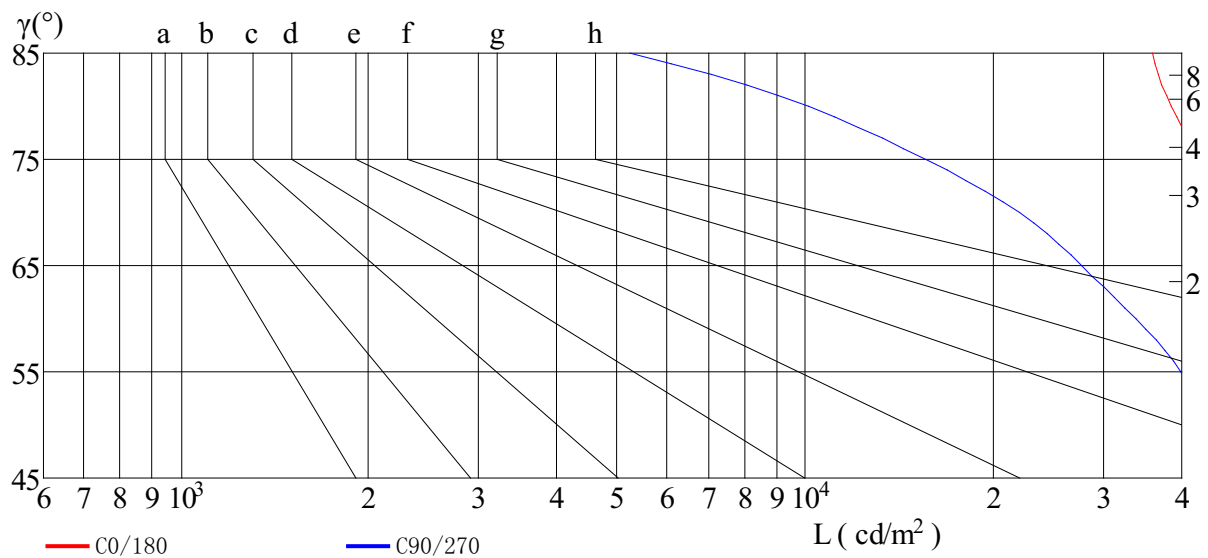
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	3.000 m	Date:	2016-05-31	Time:	22:08:05
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Luminance Limitation Curves

Lamp Description					
Lamp Name:	SLT828P450	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:278.200V I:0.110A P:29.600W			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	35913	38483	41780	43911	47562	49975	52576	56239	57891	cd/m2
C90	5223	10096	15553	21990	27647	33783	39858	44550	50600	

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: 22:08:05
 Other:

SSP6316-D50: Lamp Space Intensity Distribution Tester

UTILIZATION FACTORS TABLE

Lamp Description					
Lamp Name:	SLT828P450	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:278.200V I:0.110A P:29.600W			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) $k(RI) \times RCR = 5$								
$k = 0.60$	47	34	26	46	33	26	43	32	25
0.80	56	43	34	54	42	34	50	40	32
1.00	64	51	42	62	49	41	57	46	39
1.25	71	58	49	68	56	48	63	53	45
1.50	76	63	54	73	61	53	67	57	50
2.00	83	72	63	79	69	61	72	64	58
2.50	88	77	69	84	74	67	76	68	62
3.00	91	82	74	87	78	71	79	72	67
4.00	96	88	81	91	84	78	83	77	72
5.00	99	92	86	94	88	82	85	80	76
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:	22:08:05
Other:					