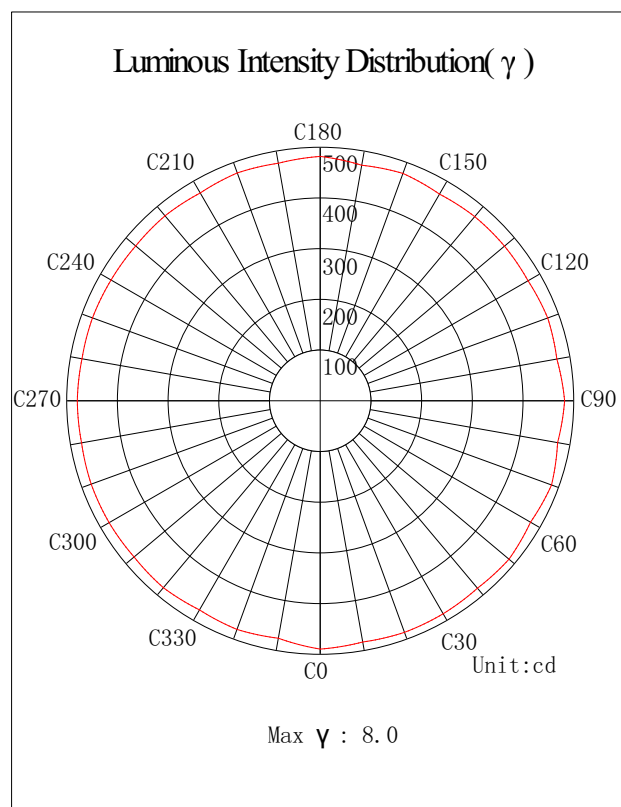
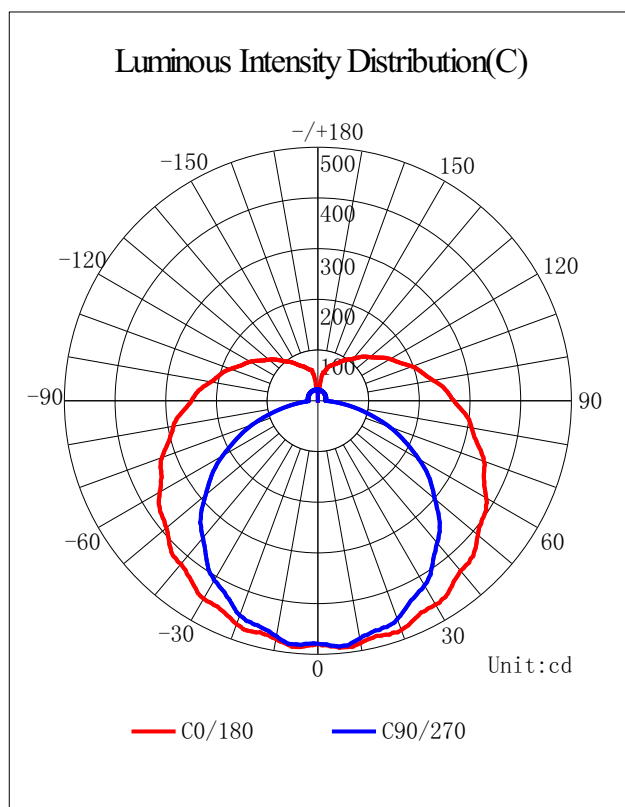


## SSP6316-D50: Lamp Space Intensity Distribution

### Photometric Data of Luminaire

Lamp Description					
Lamp Name:	SLT818P450-5	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:278.200V I:0.076A P:19.500W			LuminareFlux:	1*0.00 lm

Lamp Test Data			
Lamp Flux:	2562.02 lm	Center Cd.:	481.8 cd
Max(C, γ):	(0, 8.0)	Maximum Cd.:	489.7 cd
BeamAngle(50%):	188.0 Deg	BeamAngle(10%):	342.0 Deg
Flux(0-90):	1941.51 lm(75.8%)	Flux(90-180):	620.5 lm(24.2%)
LuminousEfficacy:	131.39 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:	21:53:13
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### Zonal Flux Diagram

Zonal Flux Diagram:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	Fzone	Ftotal	%lamp	%lum
10	485.2	484.5	476.0	470.2	477.0	472.4	471.3	477.2	0-10	45.76	45.76	1.79	1.79
20	481.1	466.6	458.1	456.5	468.8	456.3	450.3	459.9	10-20	132.69	178.45	6.97	6.97
30	464.0	436.5	420.3	433.4	450.6	433.3	408.8	429.1	20-30	206.53	384.98	15.03	15.03
40	437.8	402.5	365.9	396.6	420.3	396.8	352.6	392.1	30-40	260.40	645.38	25.20	25.20
50	412.0	364.1	300.7	350.3	390.1	351.2	288.9	353.3	40-50	289.84	935.23	36.51	36.51
60	383.3	319.7	229.4	304.9	360.2	305.4	216.8	311.3	50-60	294.09	1229.32	47.99	47.99
70	348.3	271.2	150.3	261.7	327.2	262.6	137.2	263.6	60-70	275.76	1505.08	58.75	58.75
80	307.8	225.7	69.9	220.0	289.2	220.7	57.7	216.7	70-80	240.89	1745.97	68.15	68.15
90	268.4	174.7	16.5	168.6	249.4	171.4	18.8	167.5	80-90	195.54	1941.51	75.79	75.79
100	231.0	146.4	15.9	137.9	214.3	141.1	19.6	141.1	90-100	155.10	2096.61	81.84	81.84
110	197.6	122.1	16.7	114.7	183.2	118.6	20.5	120.5	100-110	129.30	2225.91	86.89	86.89
120	164.7	105.9	17.7	100.9	154.0	104.1	21.0	104.9	110-120	105.59	2331.50	91.01	91.01
130	134.0	91.0	18.3	86.9	125.8	90.1	21.3	90.8	120-130	82.94	2414.44	94.24	94.24
140	108.1	79.7	19.0	73.3	101.6	75.4	21.5	80.1	130-140	62.06	2476.50	96.67	96.67
150	88.5	71.5	19.8	58.0	83.0	58.1	21.9	72.6	140-150	42.94	2519.43	98.34	98.34
160	73.8	65.0	20.8	47.8	69.5	46.8	22.2	65.4	150-160	26.61	2546.04	99.38	99.38
170	53.5	44.0	21.2	39.6	54.4	39.4	22.0	43.2	160-170	13.30	2559.34	99.90	99.90
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170-180	2.68	2562.02	100.00	100.00
DEG	LUMINOUS INTENSITY:cd									UNIT:lm			

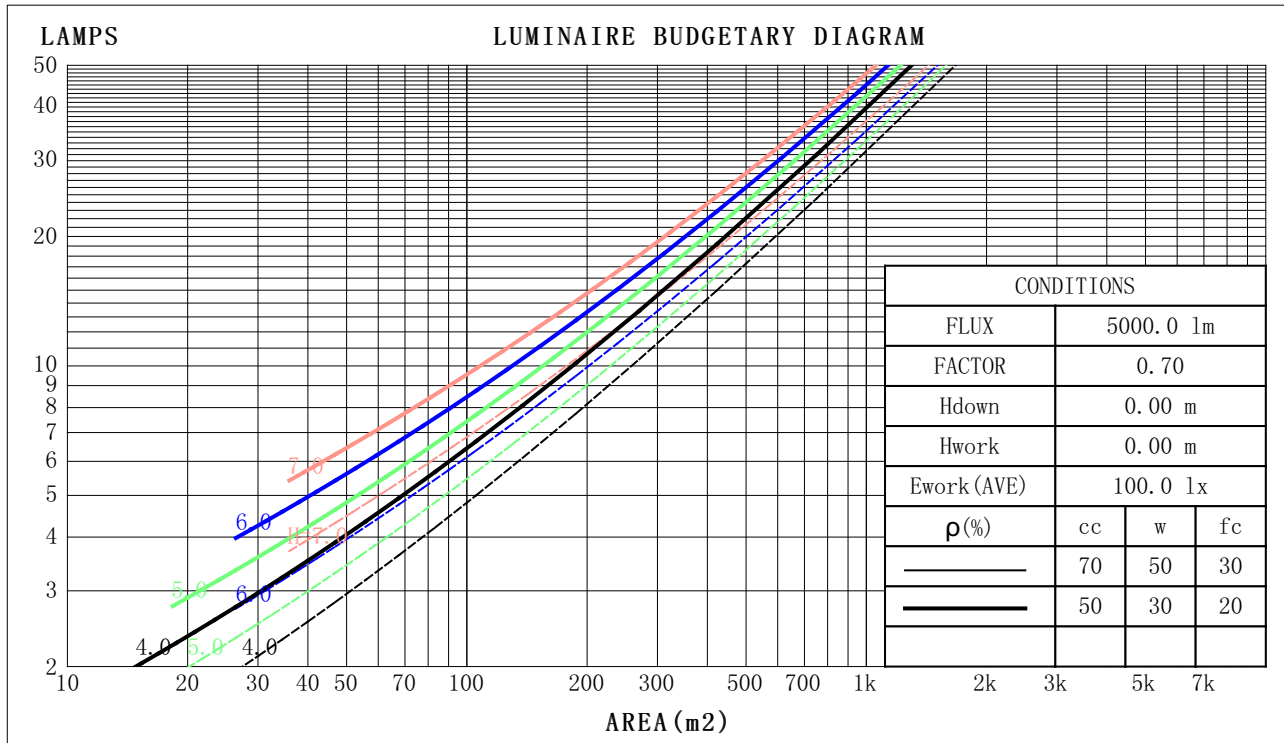
C Angle Range:	0-360Deg	$\gamma$ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	$\gamma$ Precious:	1 Deg	Tester:	QA Shan
Distance:	3.000 m	Date:	2016-05-31	Time:	21:53:13
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Lamp Description					
Lamp Name:	SLT818P450-5	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:278.200V I:0.076A P:19.500W			LuminareFlux:	1*0.00 lm

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	.88	.88	.88	.80	.80	.80	.76
1.0	.94	.89	.84	.89	.85	.80	.81	.77	.73	.72	.69	.67	.65	.63	.60	.57
2.0	.80	.72	.66	.76	.69	.63	.69	.63	.58	.62	.57	.53	.55	.52	.48	.45
3.0	.69	.60	.53	.66	.58	.51	.60	.53	.47	.53	.48	.43	.48	.43	.40	.36
4.0	.61	.51	.44	.58	.49	.43	.52	.45	.39	.47	.41	.36	.42	.37	.33	.30
5.0	.54	.45	.38	.51	.43	.36	.47	.39	.34	.42	.36	.31	.38	.33	.29	.26
6.0	.48	.39	.32	.46	.37	.31	.42	.34	.29	.38	.32	.27	.34	.29	.25	.22
7.0	.43	.34	.28	.42	.33	.27	.38	.31	.25	.34	.28	.24	.31	.26	.22	.19
8.0	.39	.31	.25	.38	.30	.24	.34	.27	.22	.31	.25	.21	.28	.23	.19	.17
9.0	.36	.28	.22	.34	.27	.21	.32	.25	.20	.29	.23	.19	.26	.21	.17	.15
10.0	.33	.25	.20	.32	.24	.19	.29	.23	.18	.27	.21	.17	.24	.19	.16	.14



C Angle Range:	0-360Deg	$\gamma$ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	$\gamma$ Precious:	1 Deg	Tester:	QA Shan
Distance:	3.000 m	Date:	2016-05-31	Time:	21:53:13
Other:					



## SSP6316-D50: Lamp Space Intensity Distribution

### WEC AND CCEC

Lamp Description					
Lamp Name:	SLT818P450-5	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:278.200V I:0.076A P:19.500W			LuminareFlux:	1*0.00 lm

p <sub>cc</sub>	80%			70%			50%			30%			10%			0
p <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio      Wall Exitance Coefficients(WEC)															
0.0																
1.0	.387	.220	.070	.373	.213	.068	.345	.198	.063	.320	.185	.059	.297	.172	.055	
2.0	.334	.183	.056	.320	.176	.054	.296	.164	.051	.273	.153	.048	.252	.142	.045	
3.0	.296	.157	.047	.284	.152	.046	.261	.141	.043	.240	.132	.040	.221	.122	.038	
4.0	.266	.138	.041	.255	.133	.039	.234	.124	.037	.215	.116	.035	.198	.107	.033	
5.0	.241	.123	.036	.231	.119	.035	.213	.111	.033	.195	.103	.031	.179	.096	.029	
6.0	.221	.111	.032	.212	.107	.031	.195	.100	.029	.179	.093	.027	.164	.086	.026	
7.0	.204	.101	.029	.195	.097	.028	.180	.091	.026	.165	.085	.025	.151	.079	.023	
8.0	.189	.092	.026	.181	.089	.025	.167	.083	.024	.153	.078	.022	.140	.072	.021	
9.0	.176	.085	.024	.169	.082	.023	.155	.077	.022	.143	.072	.020	.131	.067	.019	
10.0	.164	.079	.022	.158	.076	.021	.146	.071	.020	.134	.066	.019	.123	.062	.018	

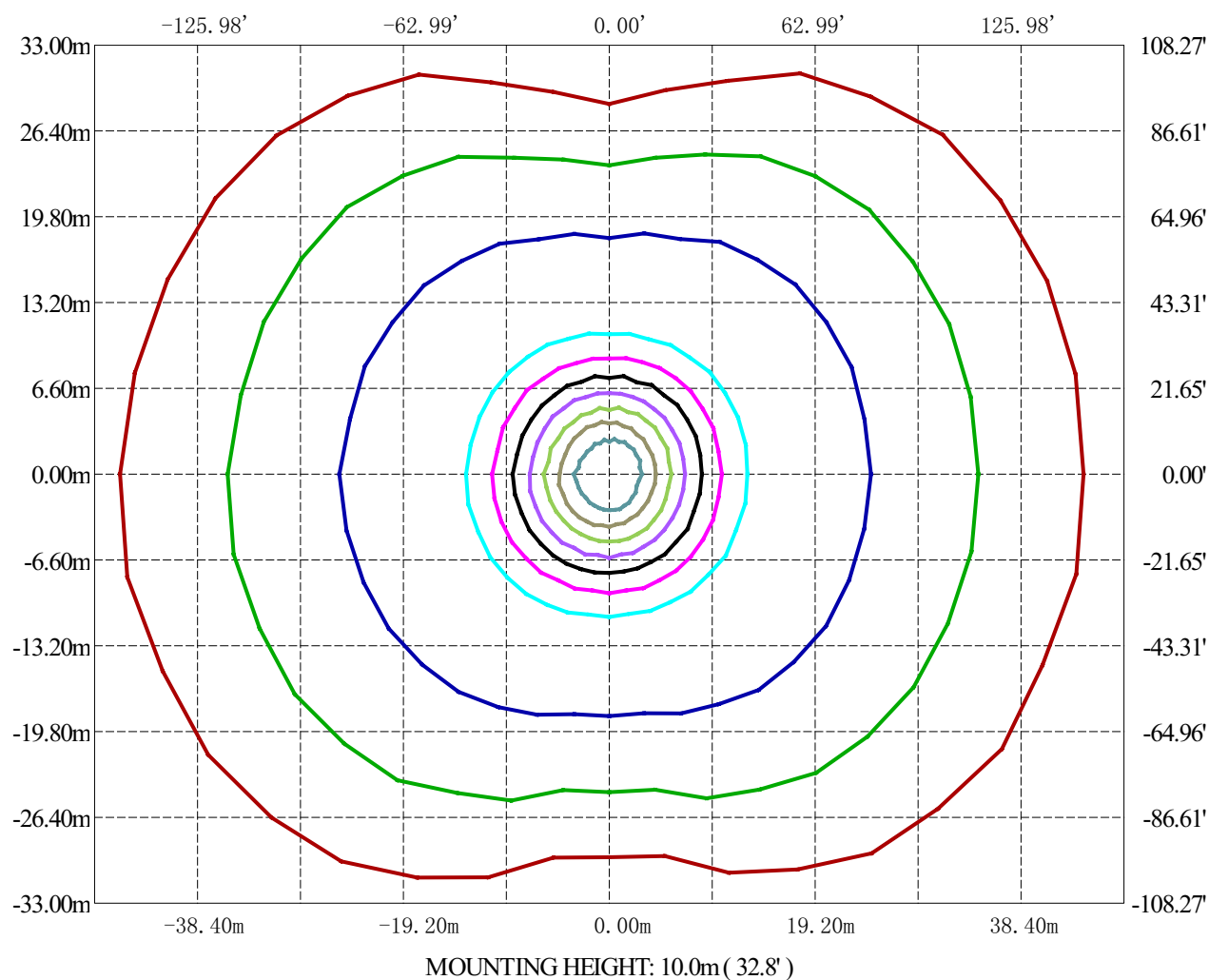
p <sub>cc</sub>	80%			70%			50%			30%			10%			0
p <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio                      Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.375	.375	.375	.321	.321	.321	.219	.219	.219	.126	.126	.126	.040	.040	.040	
1.0	.372	.342	.314	.318	.293	.271	.218	.202	.187	.125	.117	.109	.040	.038	.035	
2.0	.365	.319	.280	.313	.275	.242	.214	.190	.169	.124	.111	.099	.040	.036	.032	
3.0	.358	.303	.259	.307	.261	.225	.211	.181	.158	.122	.106	.093	.039	.034	.030	
4.0	.350	.290	.245	.300	.251	.213	.207	.175	.150	.119	.102	.089	.038	.033	.029	
5.0	.342	.281	.235	.294	.243	.205	.203	.170	.145	.117	.100	.086	.038	.033	.028	
6.0	.335	.273	.228	.288	.236	.199	.199	.166	.141	.115	.097	.084	.037	.032	.028	
7.0	.328	.267	.223	.282	.231	.195	.195	.162	.138	.113	.095	.082	.037	.031	.027	
8.0	.321	.261	.220	.277	.226	.191	.191	.159	.136	.111	.094	.081	.036	.031	.027	
9.0	.315	.256	.217	.272	.222	.189	.188	.156	.134	.110	.092	.080	.035	.030	.026	
10.0	.309	.252	.214	.267	.219	.187	.185	.154	.133	.108	.091	.079	.035	.030	.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: 21:53:13  
 Other:

## SSP6316-D50: Lamp Space Intensity Distribution

### ISOLUX Diagram

Lamp Description					
Lamp Name:	SLT818P450-5	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:278.200V I:0.076A P:19.500W			LuminareFlux:	1*0.00 lm

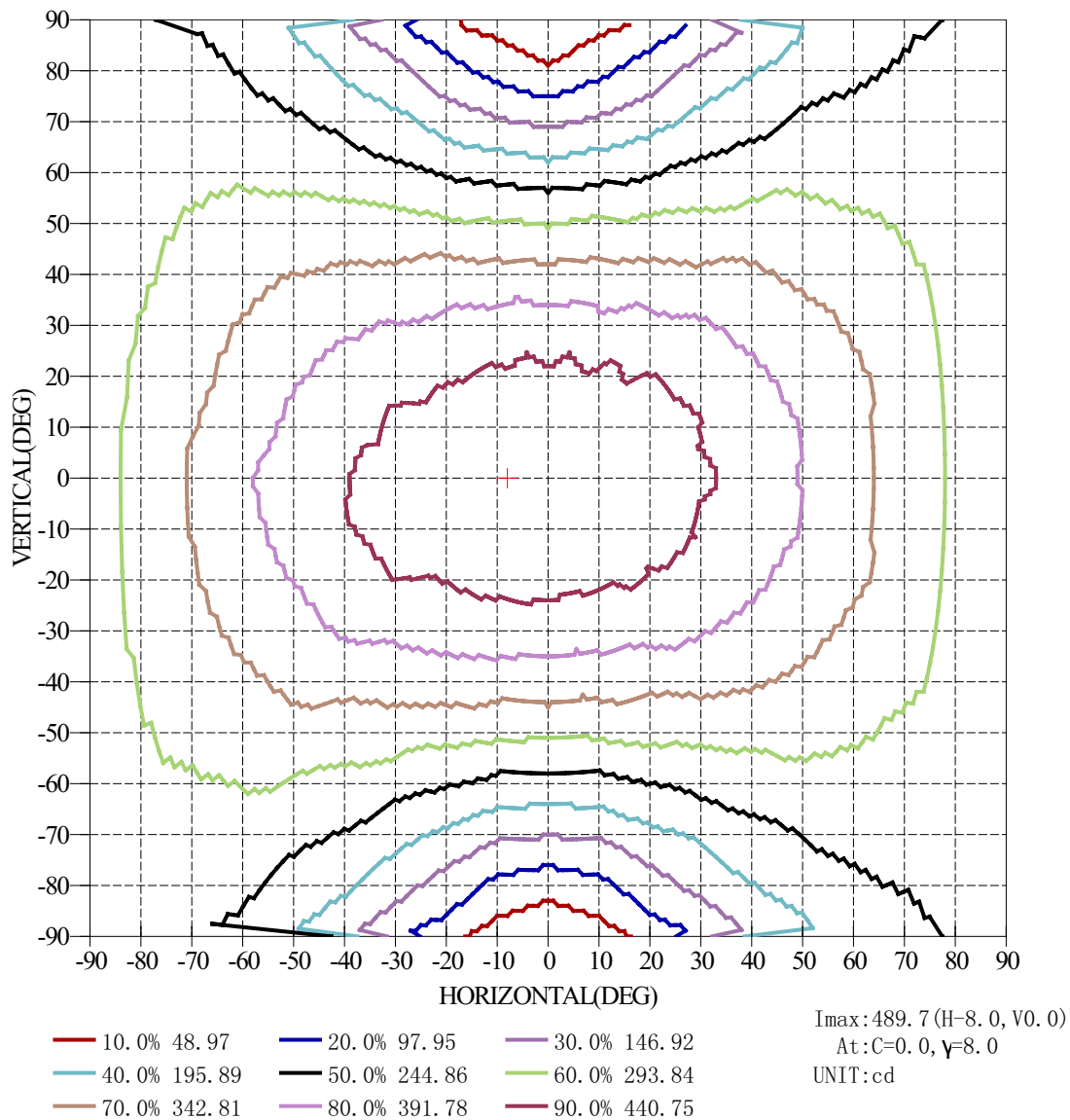


C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No. :	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	3.000 m	Date:	2016-05-31	Time:	21:53:13
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### ISOCANDELA Diagram

Lamp Description					
Lamp Name:	SLT818P450-5	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:278.200V I:0.076A P:19.500W			LuminareFlux:	1*0.00 lm

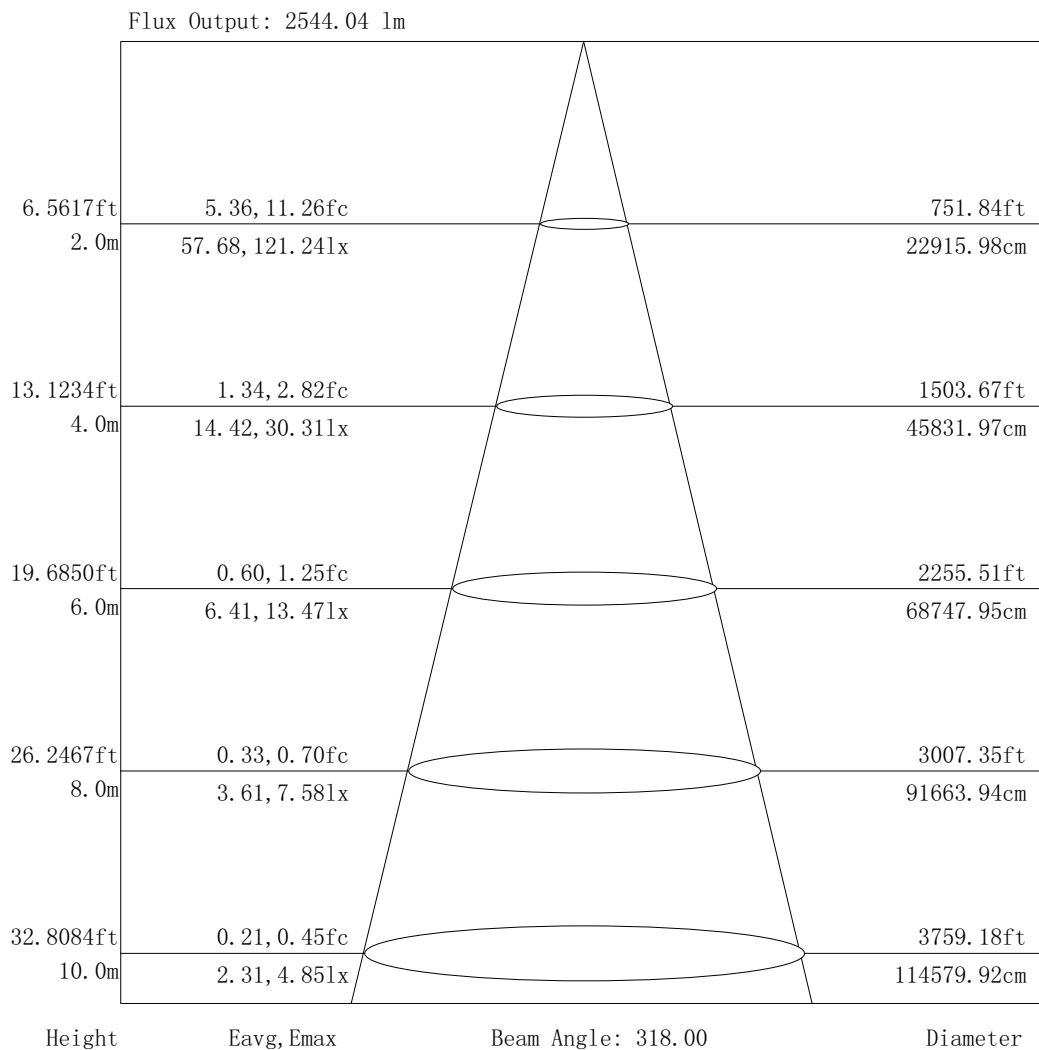


C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	3.000 m	Date:	2016-05-31	Time:	21:53:13
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### Effective Average Illuminance Diagram

Lamp Description					
Lamp Name:	SLT818P450-5	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:278.200V I:0.076A P:19.500W			LuminareFlux:	1*0.00 lm



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

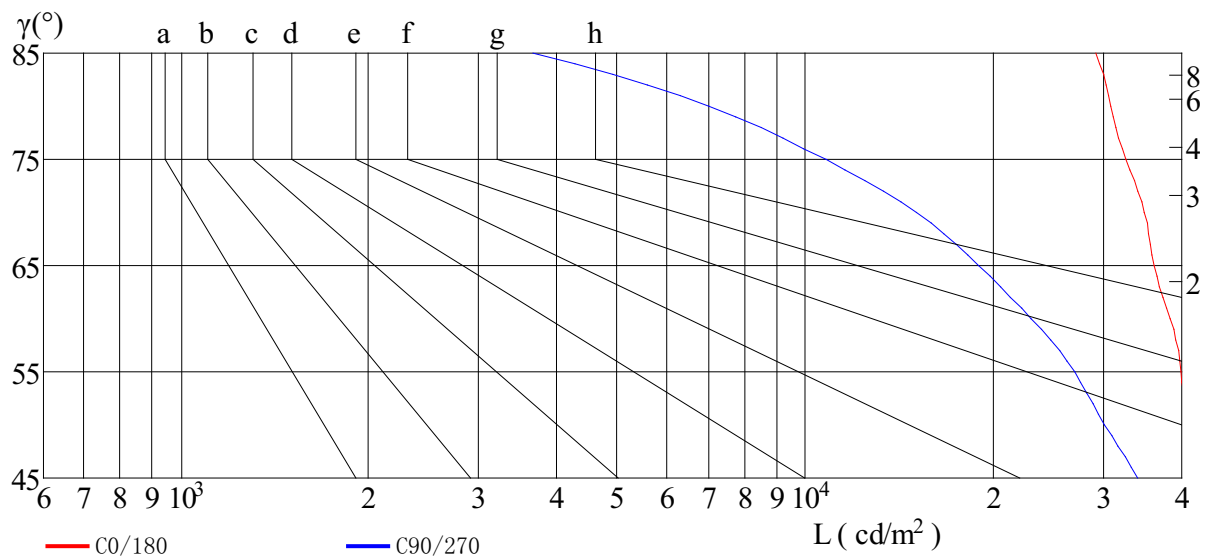
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	3.000 m	Date:	2016-05-31	Time:	21:53:13
Other:					

## SSP6316-D50: Lamp Space Intensity Distribution

### Luminance Limitation Curves

Lamp Description					
Lamp Name:	SLT818P450-5	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:278.200V I:0.076A P:19.500W			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	29134	30783	32551	34830	36125	38326	39889	41202	43293	cd/m2
C90	3652	6990	10771	15032	18902	22938	26960	30073	33993	

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: 21:53:13  
 Other:





# SSP6316-D50: Lamp Space Intensity Distribution Tester

## UTILIZATION FACTORS TABLE

Lamp Description					
Lamp Name:	SLT818P450-5	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:278.200V I:0.076A P:19.500W			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	45	33	26	42	32	25
0.80	56	42	34	54	41	33	50	39	32
1.00	64	50	41	61	49	40	57	46	39
1.25	71	57	48	68	56	47	62	52	45
1.50	76	63	54	72	61	52	66	57	50
2.00	83	71	63	79	69	61	72	64	57
2.50	87	77	68	83	74	66	76	68	62
3.00	91	81	74	87	78	71	79	72	66
4.00	95	87	81	91	84	77	82	77	72
5.00	98	91	85	94	87	82	85	80	75
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: 21:53:13  
 Other: