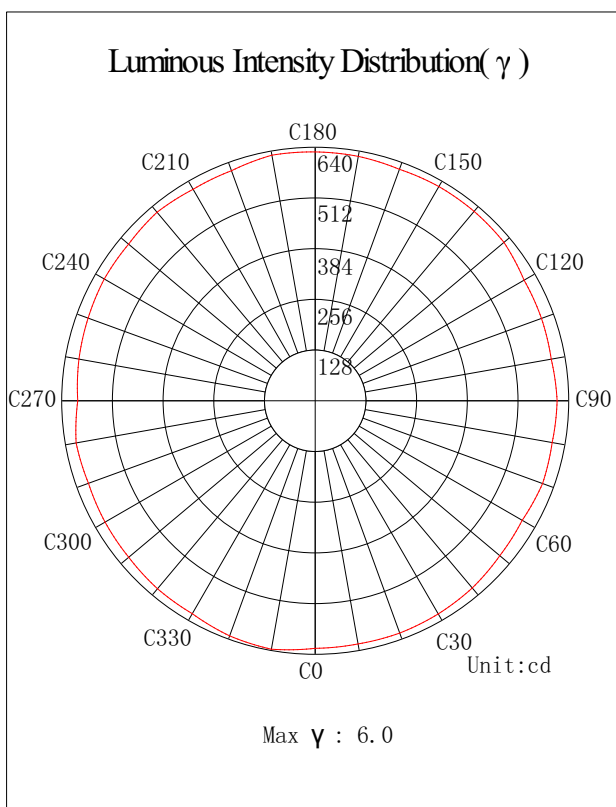
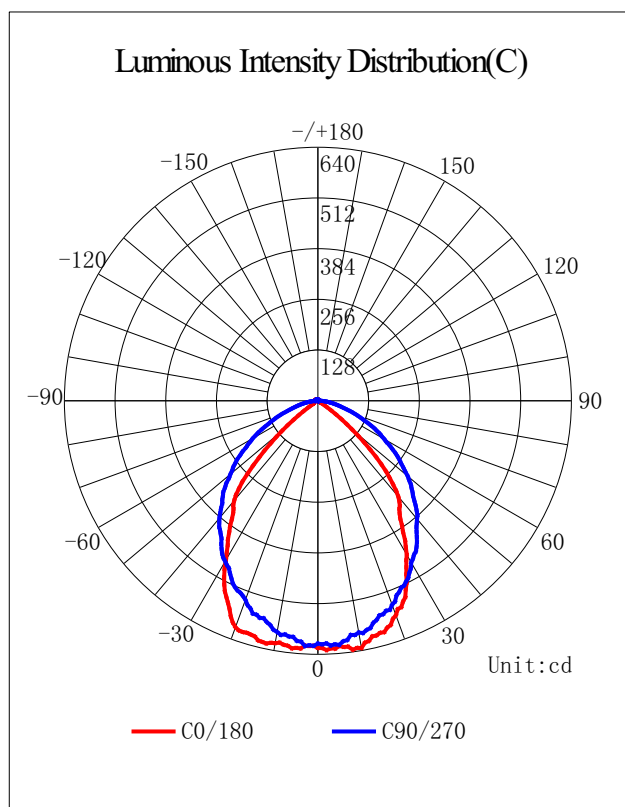


SSP6316-D50: Lamp Space Intensity Distribution

Photometric Data of Luminaire

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	IPC SLT813P440	Lamp Weight:	2.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.5*30.0*7.5	Light Area(cm):	0.0*0.0
Electrical:	U:277.100V I:0.054A P:13.700W			LuminareFlux:	1*1197.10 lm

Lamp Test Data			
Lamp Flux:	1197.10 lm	Center Cd.:	619.9 cd
Max(C, γ):	(350, 6.0)	Maximum Cd.:	636.8 cd
BeamAngle(50%):	96.0 Deg	BeamAngle(10%):	149.0 Deg
Flux(0-90):	1179.09 lm(98.5%)	Flux(90-180):	18.0 lm(1.5%)
LuminousEfficacy:	87.38 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:	2017-02-16	Time:	13:52:42
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	633.7	608.8	594.2	606.0	621.2	607.4	592.7	612.2	0-10	58.80	58.80	4.92	4.92
20	575.8	564.5	548.1	578.1	608.3	577.2	534.8	563.5	10-20	167.45	226.24	18.90	18.90
30	448.8	486.0	471.4	499.0	464.2	488.3	468.1	488.3	20-30	243.06	469.31	39.21	39.21
40	315.8	351.7	389.4	353.5	328.3	339.5	386.6	349.4	30-40	259.12	728.42	60.85	60.85
50	112.9	226.7	296.0	222.7	118.5	214.6	288.2	227.6	40-50	222.52	950.94	79.44	79.44
60	5.9	90.2	193.5	78.0	12.4	58.7	189.7	83.2	50-60	131.88	1082.82	90.46	90.46
70	3.7	17.9	103.6	12.3	10.0	15.3	95.4	22.1	60-70	61.07	1143.89	95.56	95.56
80	2.4	7.0	39.5	4.8	8.3	9.3	35.2	11.7	70-80	25.95	1169.84	97.73	97.73
90	1.9	2.3	4.2	1.5	6.9	6.6	6.3	7.0	80-90	9.25	1179.09	98.50	98.50
100	1.6	1.8	1.3	1.4	6.3	6.1	5.4	5.6	90-100	4.30	1183.38	98.86	98.86
110	1.6	1.7	1.2	1.3	5.4	5.6	4.6	4.8	100-110	3.67	1187.05	99.17	99.17
120	1.7	1.6	1.2	1.4	4.6	5.0	3.9	3.8	110-120	3.05	1190.10	99.42	99.42
130	1.6	1.6	1.3	1.3	3.7	4.3	3.2	3.2	120-130	2.43	1192.52	99.62	99.62
140	1.6	1.5	1.3	1.3	2.9	3.5	2.8	2.7	130-140	1.83	1194.35	99.78	99.78
150	1.5	1.5	1.3	1.3	2.3	2.8	2.3	2.3	140-150	1.29	1195.64	99.88	99.88
160	1.4	1.5	1.4	1.4	1.8	2.3	2.0	2.0	150-160	0.84	1196.48	99.95	99.95
170	1.5	1.5	1.4	1.4	1.6	1.8	1.8	1.8	160-170	0.47	1196.95	99.99	99.99
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170-180	0.15	1197.10	100.00	100.00
DEG	LUMINOUS INTENSITY:cd									UNIT:lm			

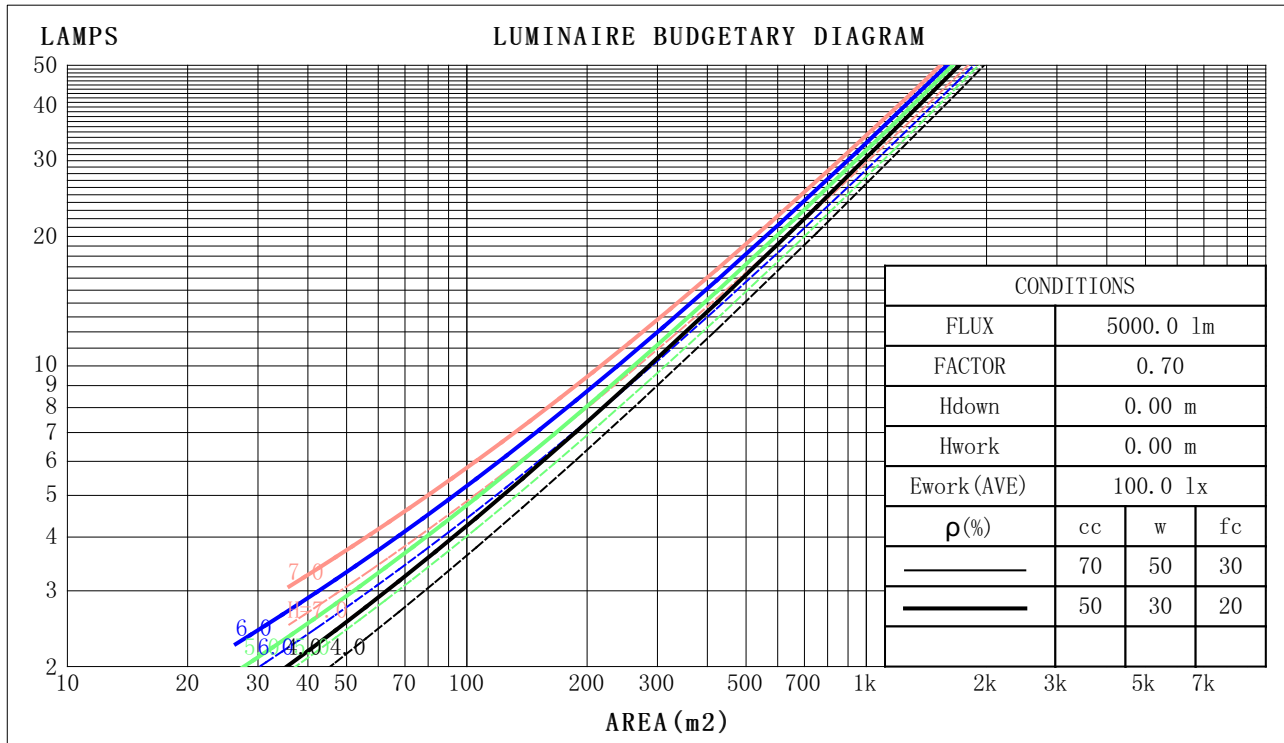
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2017-02-16	Time:	13:52:42
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	IPC SLT813P440	Lamp Weight:	2.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.5*30.0*7.5	Light Area(cm):	0.0*0.0
Electrical:	U:277.100V I:0.054A P:13.700W			LuminareFlux:	1*1197.10 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	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.98
1.0	1.07	1.03	1.00	1.05	1.01	.99	1.00	.98	.95	.96	.94	.92	.92	.91	.89	.87
2.0	.96	.90	.86	.94	.89	.85	.90	.86	.82	.87	.83	.80	.84	.81	.78	.76
3.0	.86	.80	.74	.85	.78	.73	.82	.76	.72	.79	.74	.71	.76	.72	.69	.67
4.0	.78	.71	.65	.77	.70	.64	.74	.68	.63	.72	.67	.62	.69	.65	.61	.59
5.0	.71	.63	.57	.70	.62	.57	.68	.61	.56	.65	.60	.56	.64	.59	.55	.53
6.0	.65	.57	.51	.64	.56	.51	.62	.55	.50	.60	.54	.50	.58	.53	.49	.47
7.0	.59	.51	.46	.58	.51	.46	.57	.50	.45	.55	.49	.45	.54	.49	.45	.43
8.0	.54	.47	.42	.54	.47	.41	.52	.46	.41	.51	.45	.41	.50	.45	.41	.39
9.0	.50	.43	.38	.50	.43	.38	.49	.42	.38	.47	.42	.37	.46	.41	.37	.35
10.0	.47	.40	.35	.46	.39	.35	.45	.39	.34	.44	.38	.34	.43	.38	.34	.32



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:	2017-02-16	Time:	13:52:42
Other:					



SSP6316-D50: Lamp Space Intensity Distribution

WEC AND CCEC

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	1PC SLT813P440	Lamp Weight:	2.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.5*30.0*7.5	Light Area(cm):	0.0*0.0
Electrical:	U:277.100V I:0.054A P:13.700W			LuminareFlux:	1*1197.10 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	.245	.139	.044	.238	.136	.043	.224	.129	.041	.211	.122	.039	.200	.116	.037	
2.0	.236	.129	.040	.229	.126	.039	.217	.121	.038	.206	.116	.036	.196	.111	.035	
3.0	.223	.119	.036	.218	.117	.035	.207	.112	.034	.197	.108	.033	.188	.104	.032	
4.0	.210	.109	.032	.205	.107	.032	.196	.104	.031	.187	.101	.030	.179	.097	.030	
5.0	.198	.101	.029	.193	.099	.029	.185	.096	.028	.177	.094	.028	.170	.091	.027	
6.0	.186	.093	.027	.182	.092	.027	.175	.090	.026	.168	.087	.026	.162	.085	.025	
7.0	.176	.087	.025	.172	.086	.024	.166	.084	.024	.159	.082	.024	.153	.080	.023	
8.0	.166	.081	.023	.163	.080	.023	.157	.078	.022	.151	.077	.022	.146	.075	.022	
9.0	.157	.076	.021	.154	.075	.021	.149	.074	.021	.144	.072	.021	.139	.071	.020	
10.0	.149	.071	.020	.146	.071	.020	.141	.069	.020	.137	.068	.019	.132	.067	.019	

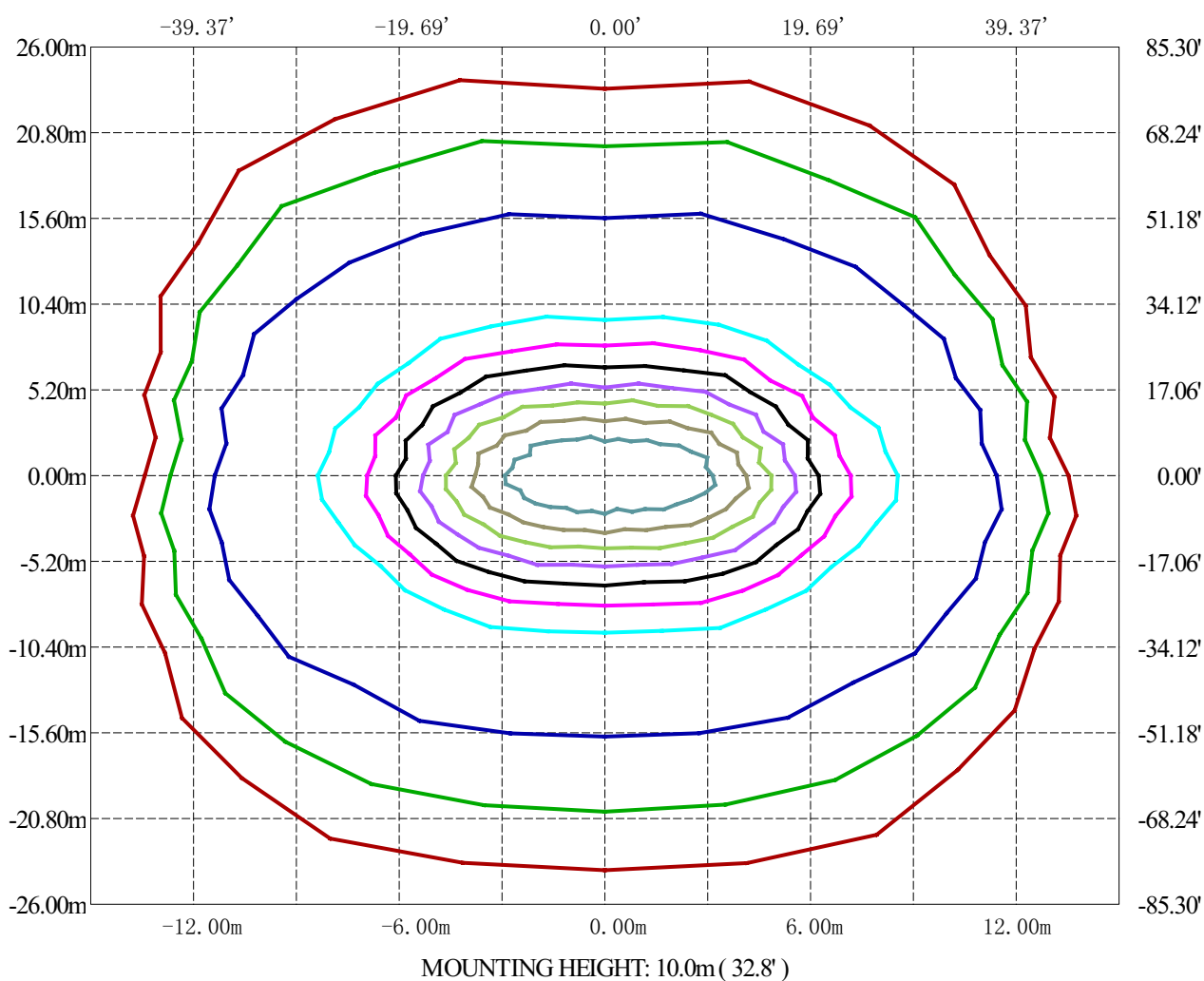
p _{cc}	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.202	.202	.202	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.187	.168	.151	.160	.144	.130	.110	.099	.090	.063	.057	.052	.020	.019	.017	
2.0	.176	.144	.116	.151	.124	.101	.104	.086	.070	.060	.050	.041	.019	.016	.013	
3.0	.167	.126	.093	.143	.108	.080	.098	.075	.056	.057	.044	.033	.018	.014	.011	
4.0	.159	.112	.076	.136	.097	.066	.094	.067	.046	.054	.039	.027	.017	.013	.009	
5.0	.152	.101	.064	.130	.087	.056	.090	.061	.039	.052	.036	.023	.017	.012	.008	
6.0	.145	.092	.055	.124	.080	.048	.086	.056	.034	.050	.033	.020	.016	.011	.007	
7.0	.139	.085	.048	.119	.074	.042	.082	.052	.030	.048	.031	.018	.015	.010	.006	
8.0	.133	.080	.043	.114	.069	.038	.079	.048	.027	.046	.029	.016	.015	.009	.005	
9.0	.127	.075	.039	.110	.065	.034	.076	.046	.024	.044	.027	.014	.014	.009	.005	
10.0	.122	.070	.036	.105	.061	.031	.073	.043	.022	.043	.025	.013	.014	.008	.004	

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: 2017-02-16 Time: 13:52:42
 Other:

SSP6316-D50: Lamp Space Intensity Distribution

ISOLUX Diagram

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	1PC SLT813P440	Lamp Weight:	2.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.5*30.0*7.5	Light Area(cm):	0.0*0.0
Electrical:	U:277.100V I:0.054A P:13.700W			LuminareFlux:	1*1197.10 lm



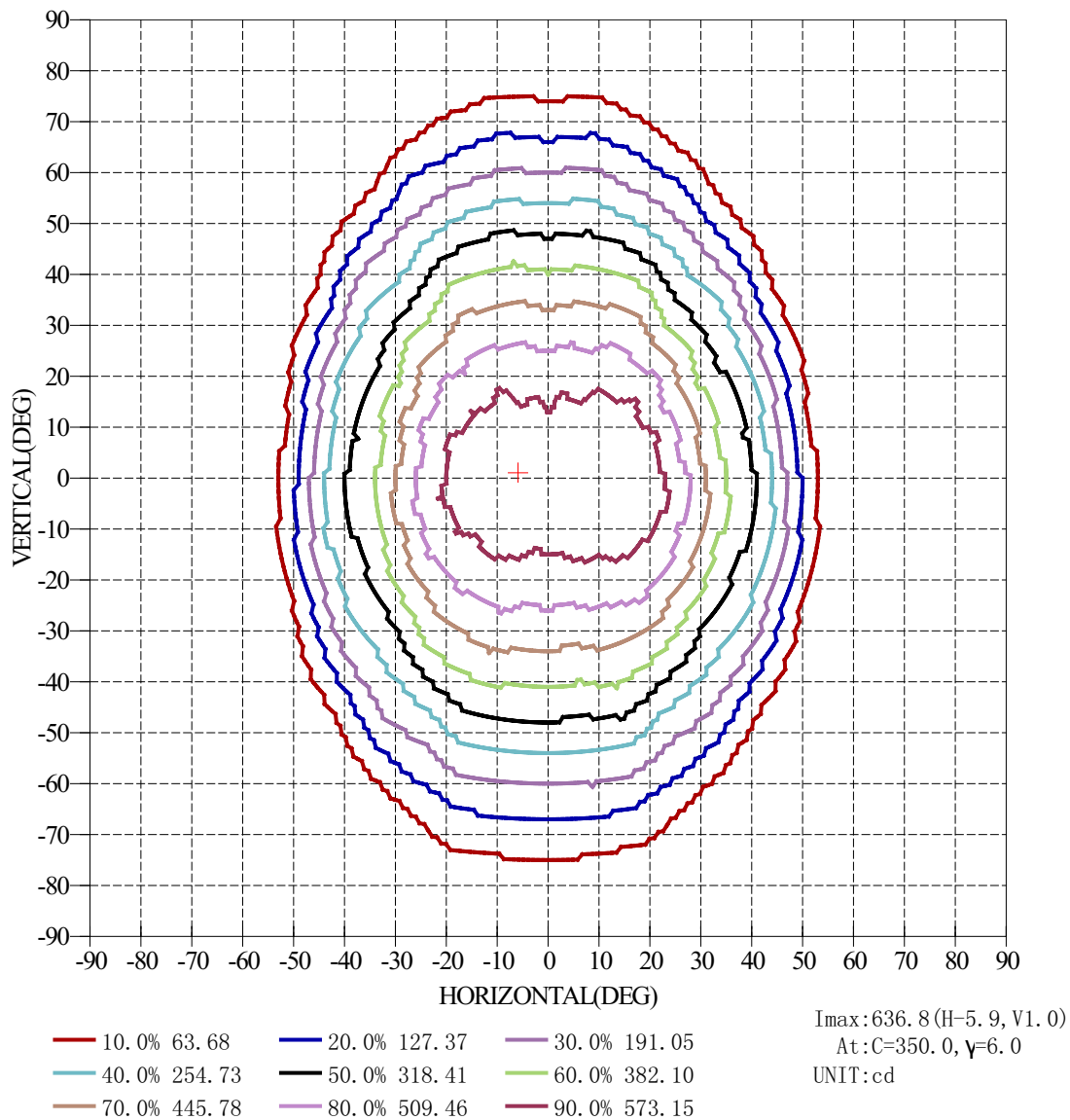
3.0% 0.1860lx 0.0173fc	5.0% 0.3100lx 0.0288fc	10.0% 0.6199lx 0.0576fc
30.0% 1.8598lx 0.1728fc	40.0% 2.4797lx 0.2304fc	50.0% 3.0996lx 0.2880fc
60.0% 3.7195lx 0.3455fc	70.0% 4.3394lx 0.4031fc	80.0% 4.9594lx 0.4607fc
90.0% 5.5793lx 0.5183fc		

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:	2017-02-16	Time:	13:52:42
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

ISOCANDELA Diagram

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	1PC SLT813P440	Lamp Weight:	2.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.5*30.0*7.5	Light Area(cm):	0.0*0.0
Electrical:	U:277.100V I:0.054A P:13.700W			LuminareFlux:	1*1197.10 lm

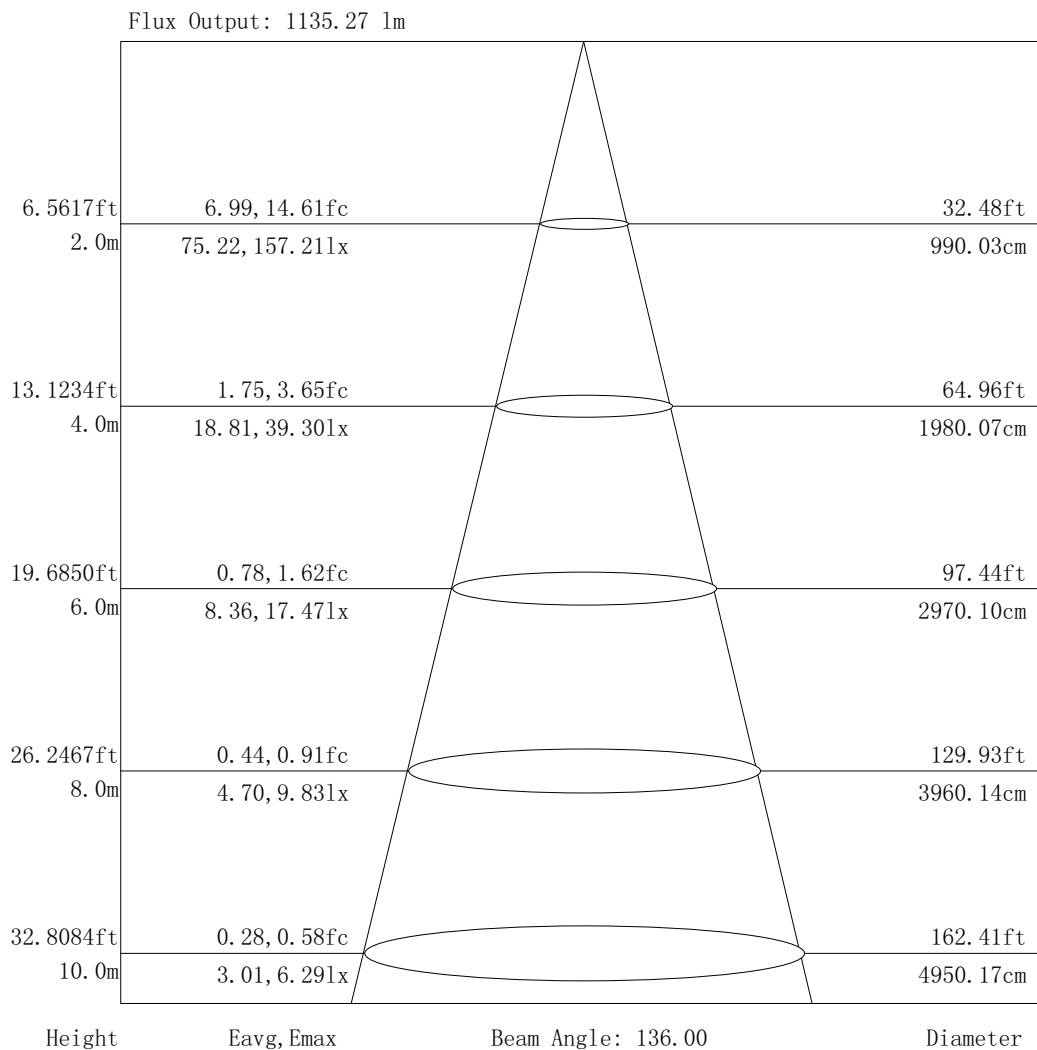


C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2017-02-16	Time:	13:52:42
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Effective Average Illuminance Diagram

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	1PC SLT813P440	Lamp Weight:	2.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.5*30.0*7.5	Light Area(cm):	0.0*0.0
Electrical:	U:277.100V I:0.054A P:13.700W			LuminareFlux:	1*1197.10 lm



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

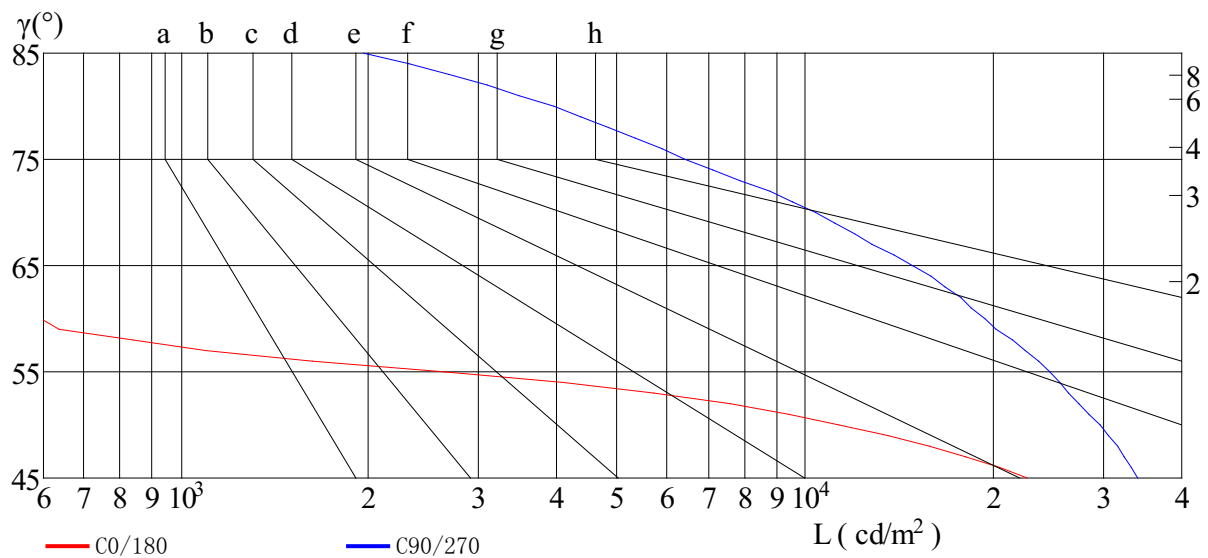
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2017-02-16	Time:	13:52:42
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Luminance Limitation Curves

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	1PC SLT813P440	Lamp Weight:	2.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.5*30.0*7.5	Light Area(cm):	0.0*0.0
Electrical:	U:277.100V I:0.054A P:13.700W			LuminareFlux:	1*1197.10 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	208	242	294	374	467	594	2631	11288	22625	cd/m2
C90	1954	3947	6400	10358	14811	19354	24581	29601	33996	

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: 2017-02-16 Time: 13:52:42
 Other:

SSP6316-D50: Lamp Space Intensity Distribution Tester

UTILIZATION FACTORS TABLE

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	1PC SLT813P440	Lamp Weight:	2.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.5*30.0*7.5	Light Area(cm):	0.0*0.0
Electrical:	U:277.100V I:0.054A P:13.700W			LuminareFlux:	1*1197.10 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) $k(RI) \times RCR = 5$								
$k = 0.60$	67	57	51	66	57	51	65	56	50
0.80	77	67	61	76	67	61	74	66	60
1.00	85	76	70	84	75	69	82	74	69
1.25	92	83	77	90	82	77	87	81	76
1.50	96	88	82	94	87	82	91	85	80
2.00	101	95	90	99	93	89	96	91	87
2.50	104	98	93	102	96	92	98	94	90
3.00	107	101	97	104	100	96	100	96	93
4.00	109	105	102	107	103	100	103	100	97
5.00	111	108	104	109	105	103	104	102	99
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:	2017-02-16	Time:	13:52:42
Other:					