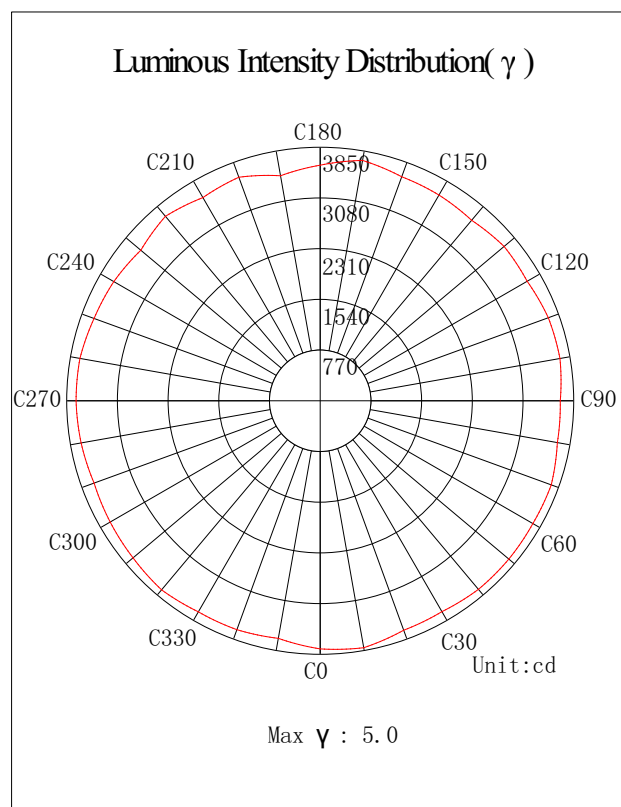
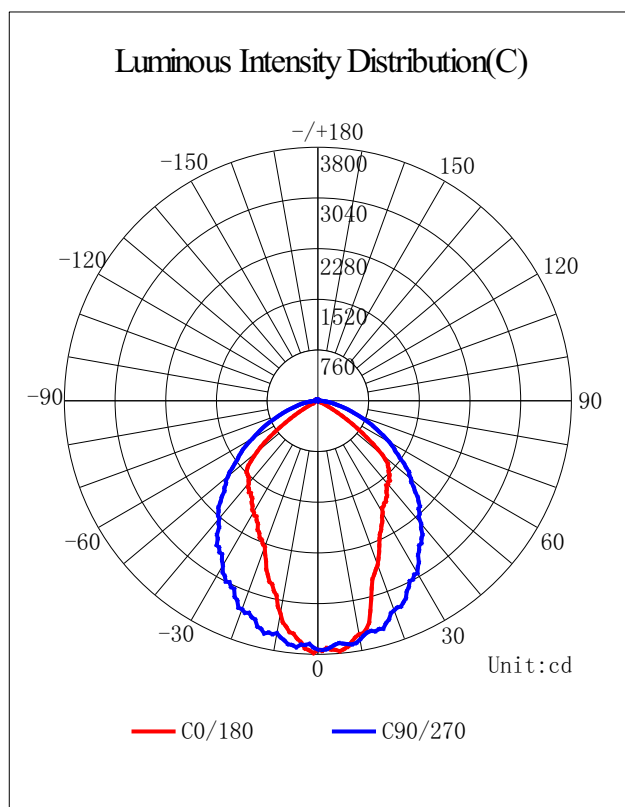


SSP6316-D50: Lamp Space Intensity Distribution

Photometric Data of Luminaire

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	4PCS SLT813P440-S	Lamp Weight:	5.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.0*60.0*7.8	Light Area(cm):	0.0*0.0
Electrical:	U:277.100V I:0.211A P:54.000W			LuminareFlux:	1*6461.81 lm

Lamp Test Data			
Lamp Flux:	6461.81 lm	Center Cd.:	3715.4 cd
Max(C, γ):	(10, 5.0)	Maximum Cd.:	3807.9 cd
BeamAngle(50%):	95.0 Deg	BeamAngle(10%):	149.0 Deg
Flux(0-90):	6364.06 lm(98.5%)	Flux(90-180):	97.7 lm(1.5%)
LuminousEfficacy:	119.66 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:	2017-02-21	Time:	09:32:04
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	3555.5	3597.4	3636.0	3426.8	3234.7	3330.5	3536.8	3611.8	0-10	344.29	344.29	5.33	6.37
20	2618.6	3067.8	3342.7	2633.7	2327.8	2595.1	3325.0	2920.7	10-20	894.92	1239.22	19.18	22.90
30	1941.2	2180.6	2984.4	2018.8	1925.0	1975.8	2848.5	2067.3	20-30	1163.40	2402.61	37.19	44.40
40	1634.1	1604.5	2408.1	1597.0	1612.4	1553.4	2300.7	1571.8	30-40	1242.59	3645.20	56.42	67.37
50	1268.0	1218.7	1822.9	1198.8	1189.2	1190.6	1755.9	1209.7	40-50	1188.51	4833.71	74.81	89.33
60	248.4	783.6	1236.9	750.2	242.7	740.1	1127.9	708.1	50-60	889.21	5722.92	88.57	105.76
70	25.0	197.1	644.6	147.2	61.3	147.9	581.5	151.7	60-70	417.87	6140.79	95.04	113.48
80	15.1	51.7	237.2	37.4	48.2	64.4	227.3	69.7	70-80	166.22	6307.01	97.61	116.55
90	10.3	13.6	24.0	10.4	38.1	35.5	36.3	37.0	80-90	57.05	6364.06	98.49	117.61
100	9.5	10.1	8.2	8.3	32.4	32.0	32.1	31.1	90-100	23.87	6387.93	98.86	118.05
110	8.9	9.1	7.7	7.9	28.7	29.7	27.4	25.8	100-110	20.34	6408.27	99.18	118.43
120	8.4	8.4	7.2	7.6	24.3	26.3	22.3	21.7	110-120	16.83	6425.10	99.44	118.74
130	8.1	7.8	6.7	7.0	19.3	22.5	18.8	18.0	120-130	13.15	6438.25	99.64	118.98
140	7.7	7.3	6.5	6.8	15.5	18.7	15.2	14.2	130-140	9.68	6447.93	99.79	119.16
150	7.4	7.0	6.2	6.7	11.9	15.0	12.4	11.6	140-150	6.66	6454.59	99.89	119.28
160	7.0	6.7	6.4	6.5	9.3	11.6	10.5	9.7	150-160	4.22	6458.81	99.96	119.36
170	6.6	6.8	7.0	6.8	7.7	9.2	8.8	8.3	160-170	2.28	6461.09	99.99	119.40
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170-180	0.71	6461.81	100.00	119.41
DEG	LUMINOUS INTENSITY:cd									UNIT:lm			

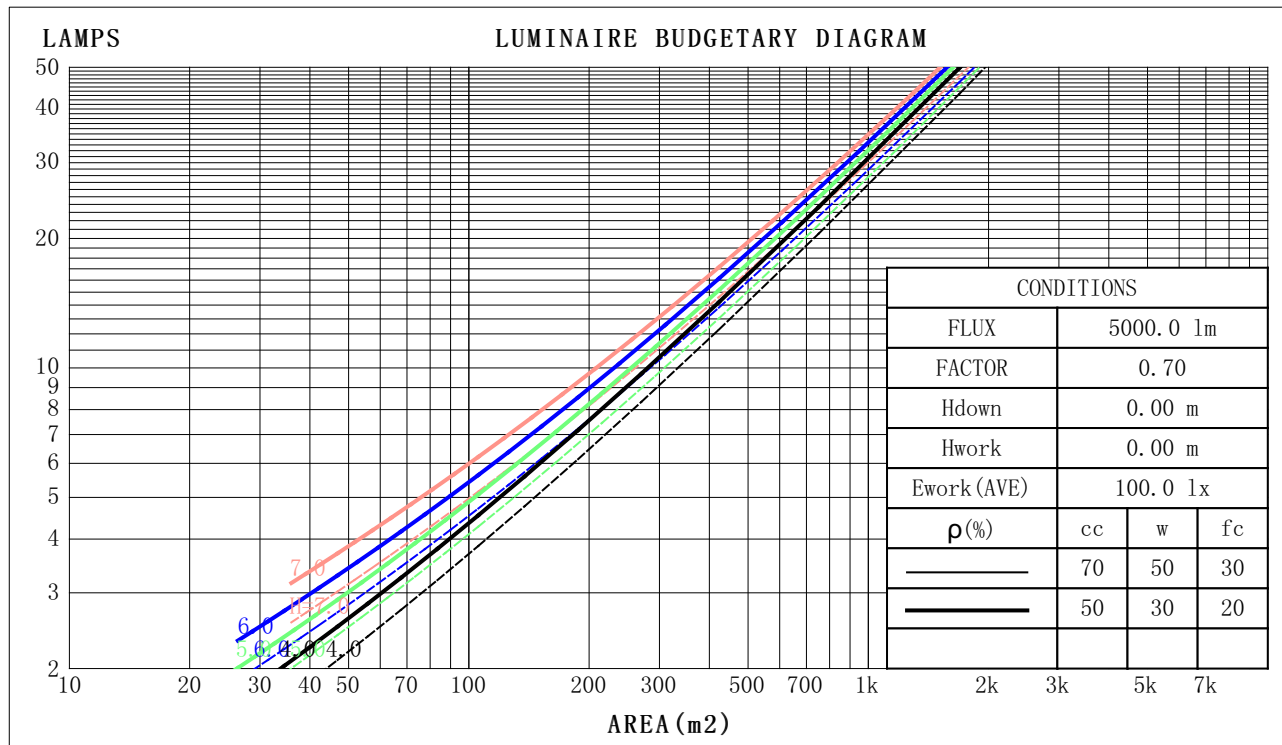
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No. :	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2017-02-21	Time:	09:32:04
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	4PCS SLT813P440-S	Lamp Weight:	5.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.0*60.0*7.8	Light Area(cm):	0.0*0.0
Electrical:	U:277.100V I:0.211A P:54.000W			LuminareFlux:	1*5411.46 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	1.06	1.03	1.00	1.04	1.01	.98	1.00	.97	.95	.95	.93	.91	.92	.90	.88	.86
2.0	.95	.89	.84	.93	.88	.83	.89	.85	.81	.86	.82	.79	.83	.80	.77	.75
3.0	.85	.78	.72	.83	.77	.72	.80	.75	.70	.78	.73	.69	.75	.71	.68	.66
4.0	.77	.69	.63	.75	.68	.63	.73	.66	.62	.70	.65	.61	.68	.63	.60	.58
5.0	.69	.61	.55	.68	.61	.55	.66	.59	.54	.64	.58	.54	.62	.57	.53	.51
6.0	.63	.55	.49	.62	.55	.49	.60	.54	.49	.59	.53	.48	.57	.52	.48	.46
7.0	.58	.50	.44	.57	.49	.44	.55	.49	.44	.54	.48	.43	.52	.47	.43	.41
8.0	.53	.45	.40	.52	.45	.40	.51	.44	.40	.50	.44	.39	.49	.43	.39	.37
9.0	.49	.42	.36	.49	.41	.36	.47	.41	.36	.46	.40	.36	.45	.40	.36	.34
10.0	.46	.38	.33	.45	.38	.33	.44	.38	.33	.43	.37	.33	.42	.37	.33	.31



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:	2017-02-21	Time:	09:32:04
Other:					



SSP6316-D50: Lamp Space Intensity Distribution

WEC AND CCEC

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	4PCS SLT813P440-S	Lamp Weight:	5.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.0*60.0*7.8	Light Area(cm):	0.0*0.0
Electrical:	U:277.100V I:0.211A P:54.000W			LuminareFlux:	1*5411.46 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 Wall Exitance Coefficients(WEC)															
0.0																
1.0	.255	.145	.046	.247	.141	.045	.233	.134	.043	.221	.127	.041	.209	.121	.039	
2.0	.245	.134	.041	.238	.131	.040	.226	.126	.039	.215	.121	.038	.205	.116	.037	
3.0	.231	.123	.037	.225	.121	.036	.215	.116	.035	.205	.112	.034	.196	.108	.034	
4.0	.217	.113	.033	.212	.111	.033	.203	.107	.032	.194	.104	.031	.186	.101	.031	
5.0	.203	.104	.030	.199	.102	.030	.191	.099	.029	.183	.097	.029	.176	.094	.028	
6.0	.191	.096	.027	.187	.094	.027	.180	.092	.027	.173	.090	.026	.166	.087	.026	
7.0	.180	.089	.025	.176	.088	.025	.169	.086	.025	.163	.084	.024	.157	.082	.024	
8.0	.169	.083	.023	.166	.082	.023	.160	.080	.023	.154	.078	.023	.149	.076	.022	
9.0	.160	.077	.022	.157	.076	.021	.151	.075	.021	.146	.073	.021	.141	.072	.021	
10.0	.151	.072	.020	.148	.072	.020	.143	.070	.020	.139	.069	.020	.134	.068	.019	

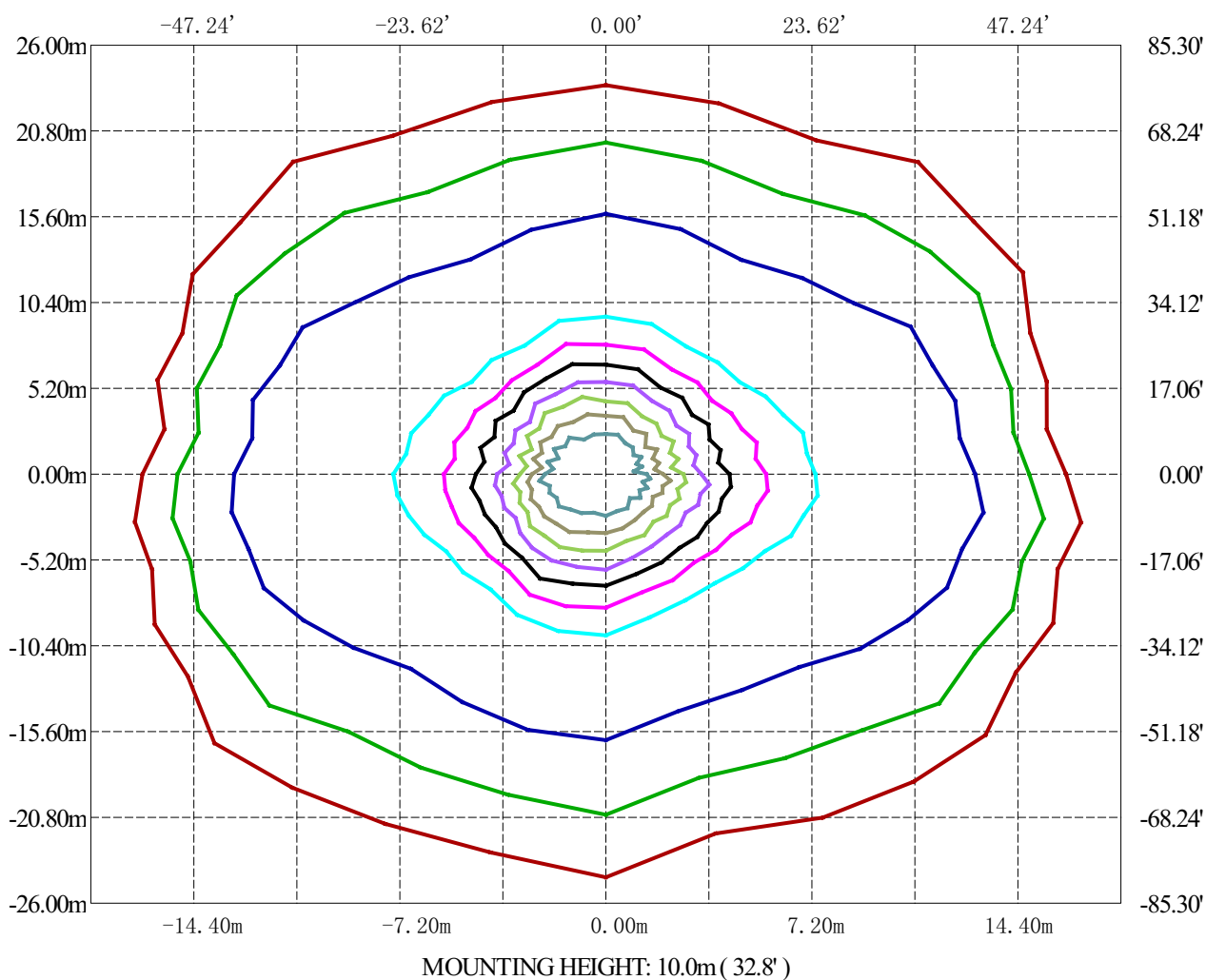
p _{cc}	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.202	.202	.202	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.188	.168	.150	.161	.144	.129	.110	.099	.089	.063	.057	.052	.020	.019	.017	
2.0	.178	.144	.115	.152	.124	.100	.104	.086	.070	.060	.050	.041	.019	.016	.013	
3.0	.169	.126	.092	.145	.109	.079	.099	.075	.056	.057	.044	.033	.018	.014	.011	
4.0	.161	.112	.075	.138	.097	.065	.095	.067	.046	.055	.040	.027	.018	.013	.009	
5.0	.153	.101	.063	.132	.088	.055	.091	.061	.039	.053	.036	.023	.017	.012	.008	
6.0	.146	.093	.054	.126	.080	.047	.087	.056	.033	.050	.033	.020	.016	.011	.007	
7.0	.140	.086	.048	.120	.074	.042	.083	.052	.029	.048	.031	.018	.016	.010	.006	
8.0	.134	.080	.043	.115	.069	.037	.080	.049	.026	.046	.029	.016	.015	.009	.005	
9.0	.128	.075	.039	.111	.065	.034	.077	.046	.024	.045	.027	.014	.014	.009	.005	
10.0	.123	.071	.036	.106	.061	.031	.074	.043	.022	.043	.026	.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: 2017-02-21 Time: 09:32:04
 Other:

SSP6316-D50: Lamp Space Intensity Distribution

ISOLUX Diagram

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	4PCS SLT813P440-S	Lamp Weight:	5.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.0*60.0*7.8	Light Area(cm):	0.0*0.0
Electrical:	U:277.100V I:0.211A P:54.000W			LuminareFlux:	1*5411.46 lm



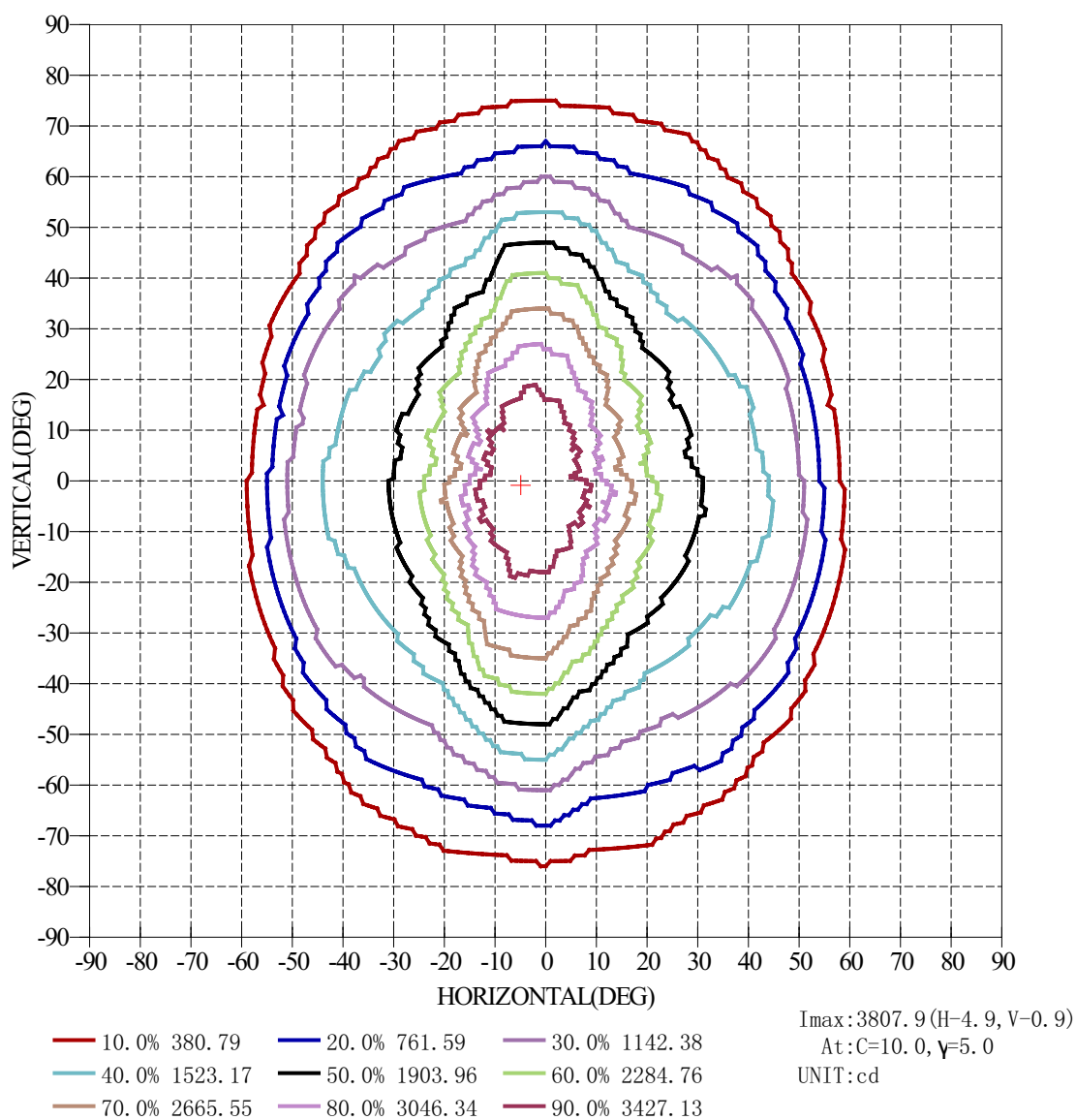
3.0% 1.1146lx 0.1035fc	5.0% 1.8577lx 0.1726fc	10.0% 3.7154lx 0.3452fc
30.0% 11.1461lx 1.0355fc	40.0% 14.861lx 1.3806fc	50.0% 18.577lx 1.7258fc
60.0% 22.292lx 2.0709fc	70.0% 26.008lx 2.4161fc	80.0% 29.723lx 2.7613fc
90.0% 33.438lx 3.1064fc		

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:	2017-02-21	Time:	09:32:04
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

ISOCANDELA Diagram

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	4PCS SLT813P440-S	Lamp Weight:	5.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.0*60.0*7.8	Light Area(cm):	0.0*0.0
Electrical:	U:277.100V I:0.211A P:54.000W			LuminareFlux:	1*5411.46 lm

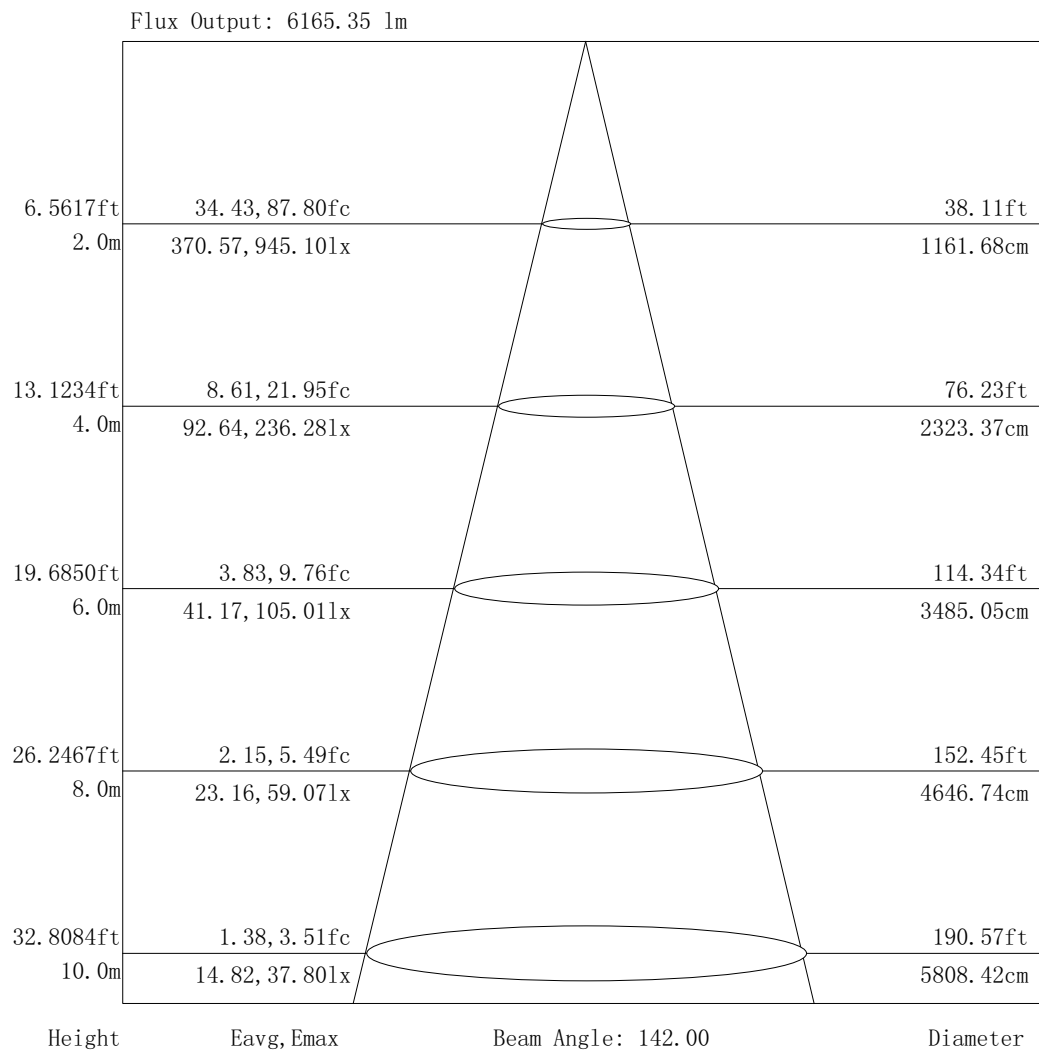


C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2017-02-21	Time:	09:32:04
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Effective Average Illuminance Diagram

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	4PCS SLT813P440-S	Lamp Weight:	5.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.0*60.0*7.8	Light Area(cm):	0.0*0.0
Electrical:	U:277.100V I:0.211A P:54.000W			LuminareFlux:	1*5411.46 lm



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

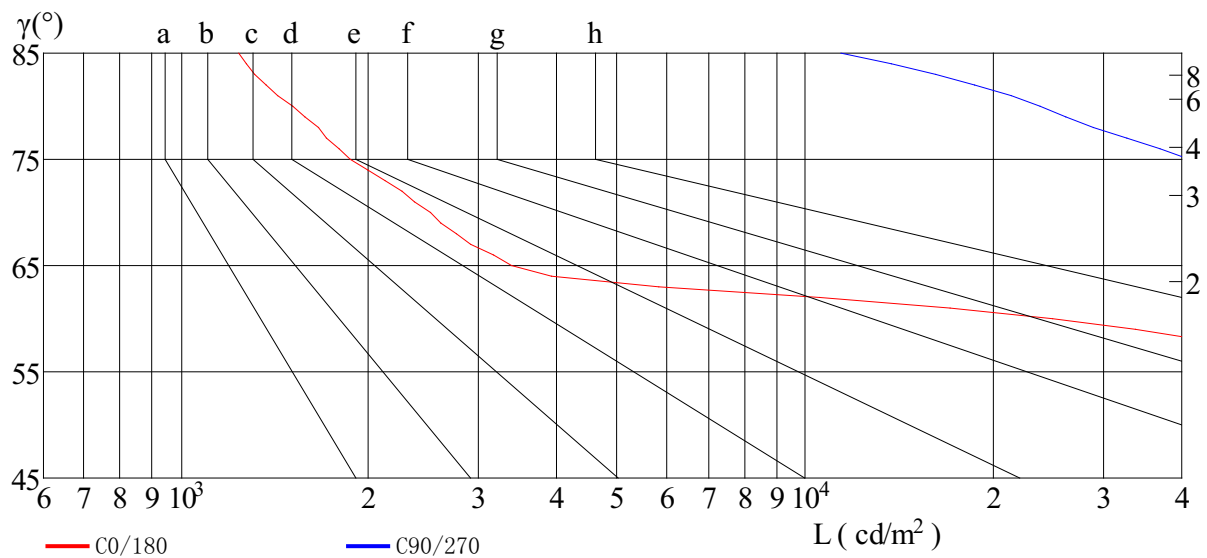
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2017-02-21	Time:	09:32:04
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Luminance Limitation Curves

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	4PCS SLT813P440-S	Lamp Weight:	5.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.0*60.0*7.8	Light Area(cm):	0.0*0.0
Electrical:	U:277.100V I:0.211A P:54.000W			LuminareFlux:	1*5411.46 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	1233	1506	1861	2502	3375	24840	72450	126798	149995	cd/m2
C90	11378	23720	41173	64463	92731	123688	150502	182291	213406	

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: 2017-02-21 Time: 09:32:04
 Other:

SSP6316-D50: Lamp Space Intensity Distribution Tester

UTILIZATION FACTORS TABLE

Lamp Description					
Lamp Name:	Grille lamp panel	Lamp Des:	4PCS SLT813P440-S	Lamp Weight:	5.500Kg
Manufac:	STARCO LIGHTING	Lamp Size(cm):	123.0*60.0*7.8	Light Area(cm):	0.0*0.0
Electrical:	U:277.100V I:0.211A P:54.000W			LuminareFlux:	1*5411.46 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) $k(RI) \times RCR = 5$								
$k = 0.60$	64	53	47	63	53	47	62	52	47
0.80	75	64	57	74	64	57	71	63	57
1.00	83	73	67	82	72	66	79	71	66
1.25	90	81	74	88	80	74	85	78	73
1.50	94	86	80	92	85	79	89	83	78
2.00	100	93	88	98	92	87	94	89	85
2.50	103	97	92	101	95	91	97	92	88
3.00	106	100	96	103	98	94	99	95	92
4.00	109	104	100	106	102	99	102	99	96
5.00	111	107	103	108	105	102	103	101	98
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:	2017-02-21	Time:	09:32:04
Other:					