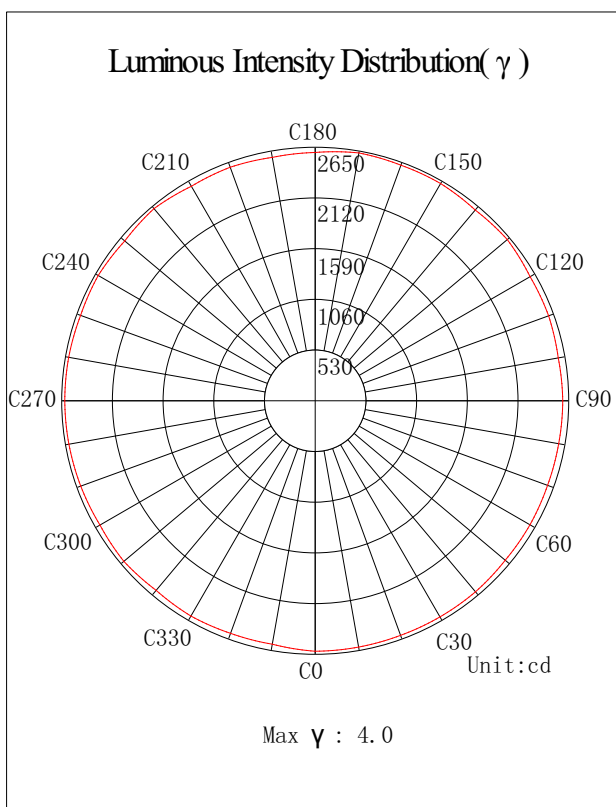
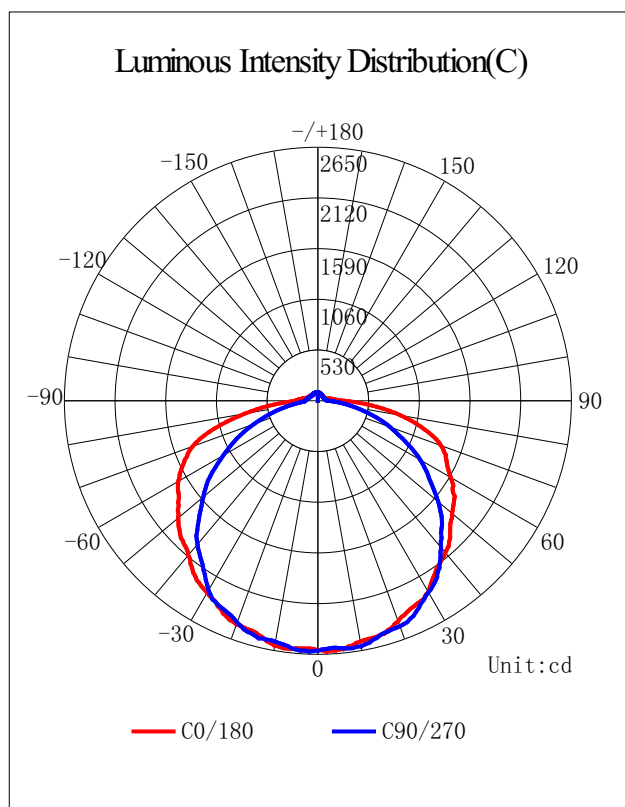


SSP6316-D50: Lamp Space Intensity Distribution

Photometric Data of Luminaire

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT815P450-S	Lamp Des:		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:278.500V I:0.361A P:92.000W			LuminareFlux:	1*0.00 lm

Lamp Test Data			
Lamp Flux:	9481.08 lm	Center Cd.:	2609.0 cd
Max(C, γ):	(170, 4.0)	Maximum Cd.:	2630.6 cd
BeamAngle(50%):	142.0 Deg	BeamAngle(10%):	180.0 Deg
Flux(0-90):	8903.36 lm(93.9%)	Flux(90-180):	577.7 lm(6.1%)
LuminousEfficacy:	103.06 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:	2016-06-04	Time:	15:42:52
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	2554.6	2582.2	2605.9	2588.0	2598.9	2580.0	2557.1	2570.4	0-10	247.55	247.55	2.62	2.62
20	2451.1	2460.6	2507.4	2501.6	2486.9	2479.5	2466.8	2438.0	10-20	715.86	963.41	10.17	10.17
30	2306.7	2254.5	2311.9	2317.7	2315.3	2293.3	2285.6	2218.5	20-30	1103.66	2067.07	21.81	21.81
40	2072.8	1955.8	2002.9	2038.4	2106.3	2019.4	1957.5	1925.5	30-40	1348.16	3415.23	36.03	36.03
50	1831.5	1657.3	1642.3	1732.7	1905.2	1728.1	1562.6	1635.5	40-50	1437.19	4852.43	51.19	51.19
60	1604.0	1361.1	1234.9	1439.5	1685.3	1449.2	1141.6	1345.2	50-60	1391.22	6243.64	65.86	65.86
70	1368.7	1083.2	802.3	1167.0	1392.4	1177.3	710.7	1066.2	60-70	1235.81	7479.46	78.89	78.89
80	876.9	728.1	396.3	865.4	777.5	786.6	316.6	618.5	70-80	952.07	8431.53	88.93	88.93
90	275.9	177.7	114.7	303.6	240.2	206.4	133.6	183.2	80-90	471.83	8903.36	93.91	93.91
100	123.9	77.5	80.1	95.0	141.6	116.3	111.4	111.4	90-100	157.02	9060.37	95.57	95.57
110	74.3	66.5	71.5	70.3	107.1	99.7	97.7	96.4	100-110	98.33	9158.70	96.60	96.60
120	70.5	62.4	66.7	67.6	94.4	91.1	88.8	85.5	110-120	80.68	9239.38	97.46	97.46
130	68.5	61.7	65.9	67.9	87.1	86.4	85.2	80.5	120-130	68.52	9307.90	98.18	98.18
140	69.1	63.6	68.2	69.9	85.2	84.8	83.9	79.1	130-140	58.14	9366.04	98.79	98.79
150	72.8	67.8	72.9	73.4	86.0	85.0	84.0	79.8	140-150	47.83	9413.87	99.30	99.30
160	77.4	72.9	77.5	77.6	86.4	85.8	85.5	80.9	150-160	36.40	9450.28	99.68	99.68
170	80.8	78.3	80.7	80.9	84.9	85.6	86.2	82.1	160-170	23.00	9473.28	99.92	99.92
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170-180	7.81	9481.08	100.00	100.00
DEG	LUMINOUS INTENSITY:cd									UNIT:lm			

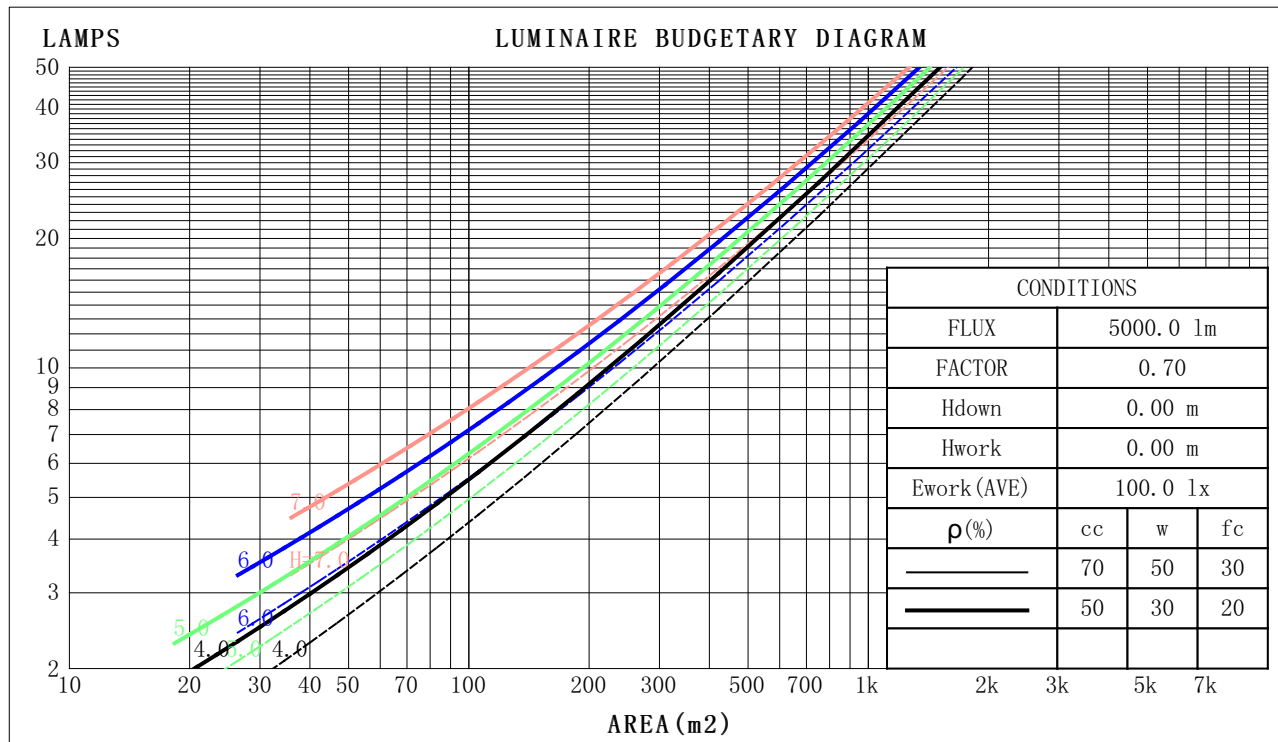
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No. :	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2016-06-04	Time:	15:42:52
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT815P450-S	Lamp Des:		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:278.500V I:0.361A P:92.000W			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	1.18	1.18	1.18	1.14	1.14	1.14	1.08	1.08	1.08	1.02	1.02	1.02	.96	.96	.96	.94
1.0	1.00	.95	.90	.97	.92	.88	.91	.88	.84	.86	.83	.80	.82	.79	.77	.74
2.0	.86	.78	.72	.83	.76	.70	.78	.73	.68	.74	.69	.65	.70	.66	.63	.60
3.0	.74	.65	.58	.72	.64	.57	.68	.61	.56	.65	.59	.54	.61	.56	.52	.50
4.0	.65	.56	.49	.64	.55	.48	.60	.53	.47	.57	.51	.45	.54	.49	.44	.42
5.0	.58	.49	.42	.57	.48	.41	.54	.46	.40	.51	.44	.39	.49	.43	.38	.36
6.0	.52	.43	.36	.51	.42	.36	.48	.41	.35	.46	.39	.34	.44	.38	.33	.31
7.0	.47	.38	.32	.46	.37	.31	.44	.36	.31	.42	.35	.30	.40	.34	.29	.27
8.0	.43	.34	.28	.42	.34	.28	.40	.33	.27	.38	.32	.27	.37	.31	.26	.24
9.0	.39	.31	.25	.38	.30	.25	.37	.30	.24	.35	.29	.24	.34	.28	.24	.22
10.0	.36	.28	.23	.35	.28	.23	.34	.27	.22	.33	.26	.22	.31	.26	.21	.19



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: 2016-06-04 Time: 15:42:52
 Other:



SSP6316-D50: Lamp Space Intensity Distribution

WEC AND CCEC

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT815P450-S	Lamp Des:		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:278.500V I:0.361A P:92.000W			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	.362	.206	.065	.353	.201	.064	.336	.193	.062	.320	.185	.059	.306	.177	.057	
2.0	.324	.178	.055	.316	.174	.054	.301	.167	.052	.287	.161	.050	.274	.155	.049	
3.0	.292	.156	.047	.285	.153	.046	.271	.147	.045	.259	.142	.044	.247	.137	.042	
4.0	.265	.138	.041	.259	.135	.040	.247	.131	.039	.235	.126	.038	.225	.122	.037	
5.0	.242	.123	.036	.236	.121	.035	.225	.117	.035	.215	.114	.034	.206	.110	.033	
6.0	.223	.112	.032	.217	.110	.032	.208	.106	.031	.198	.103	.030	.190	.100	.030	
7.0	.206	.102	.029	.201	.100	.029	.192	.097	.028	.184	.094	.027	.176	.091	.027	
8.0	.191	.093	.026	.187	.092	.026	.179	.089	.026	.171	.087	.025	.164	.084	.025	
9.0	.178	.086	.024	.175	.085	.024	.167	.083	.023	.160	.080	.023	.154	.078	.023	
10.0	.167	.080	.022	.164	.079	.022	.157	.077	.022	.151	.075	.021	.145	.073	.021	

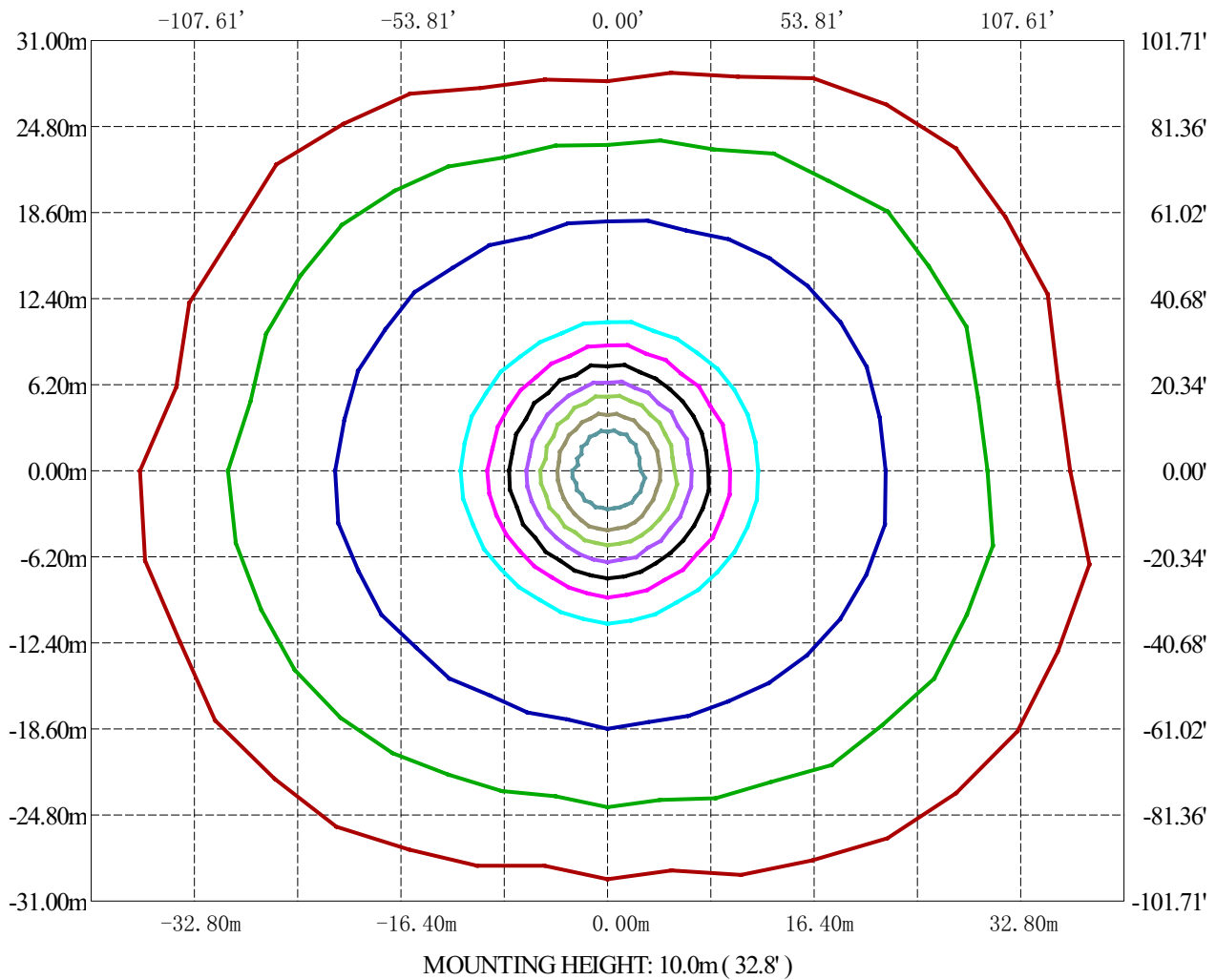
ρ _{cc}	80%			70%			50%			30%			10%			0
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.237	.237	.237	.202	.202	.202	.138	.138	.138	.079	.079	.079	.025	.025	.025	
1.0	.231	.202	.177	.197	.174	.152	.135	.120	.105	.078	.069	.061	.025	.022	.020	
2.0	.224	.179	.141	.192	.154	.122	.131	.107	.085	.076	.062	.050	.024	.020	.016	
3.0	.216	.162	.119	.185	.140	.103	.127	.097	.072	.073	.057	.042	.024	.018	.014	
4.0	.208	.149	.104	.179	.129	.090	.123	.090	.063	.071	.053	.037	.023	.017	.012	
5.0	.201	.139	.093	.172	.120	.081	.119	.084	.057	.069	.049	.034	.022	.016	.011	
6.0	.193	.131	.086	.166	.113	.075	.115	.079	.053	.066	.047	.031	.021	.015	.010	
7.0	.186	.124	.080	.160	.107	.070	.111	.075	.050	.064	.044	.030	.021	.015	.010	
8.0	.179	.118	.076	.154	.102	.066	.107	.072	.047	.062	.042	.028	.020	.014	.009	
9.0	.173	.113	.073	.149	.098	.064	.103	.069	.045	.060	.041	.027	.019	.013	.009	
10.0	.167	.109	.070	.144	.095	.061	.100	.067	.044	.058	.039	.026	.019	.013	.009	

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: 2016-06-04 Time: 15:42:52
 Other:

SSP6316-D50: Lamp Space Intensity Distribution

ISOLUX Diagram

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT815P450-S	Lamp Des:		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:278.500V I:0.361A P:92.000W			LuminareFlux:	1*0.00 lm



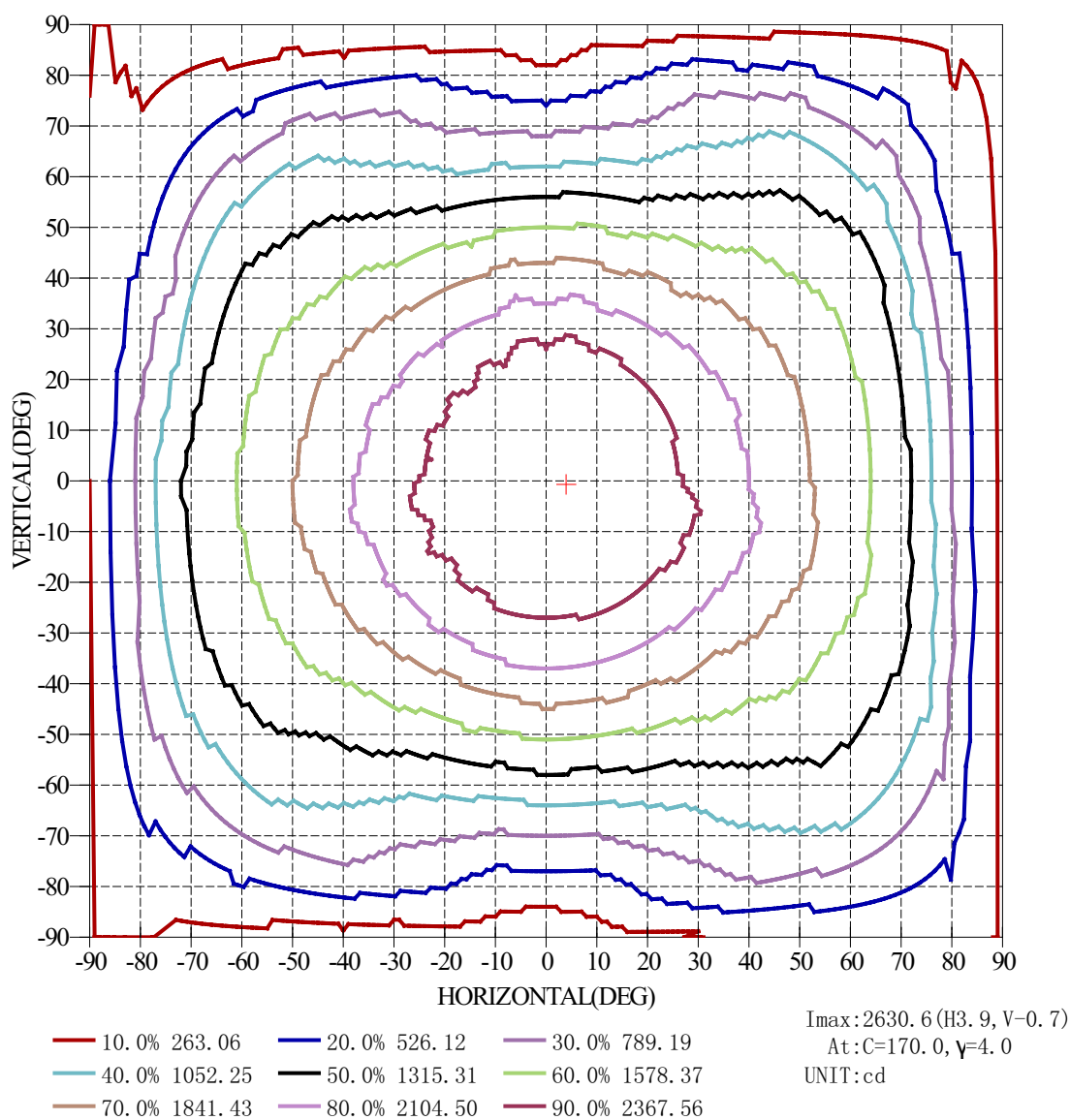
3.0% 0.7827lx 0.0727fc	5.0% 1.3045lx 0.1212fc	10.0% 2.6090lx 0.2424fc
30.0% 7.8271lx 0.7271fc	40.0% 10.4361lx 0.9695fc	50.0% 13.0451lx 1.2119fc
60.0% 15.6541lx 1.4543fc	70.0% 18.2631lx 1.6966fc	80.0% 20.8721lx 1.9390fc
90.0% 23.4811lx 2.1814fc		

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:	2016-06-04	Time:	15:42:52
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

ISOCANDELA Diagram

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT815P450-S	Lamp Des:		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:278.500V I:0.361A P:92.000W			LuminareFlux:	1*0.00 lm

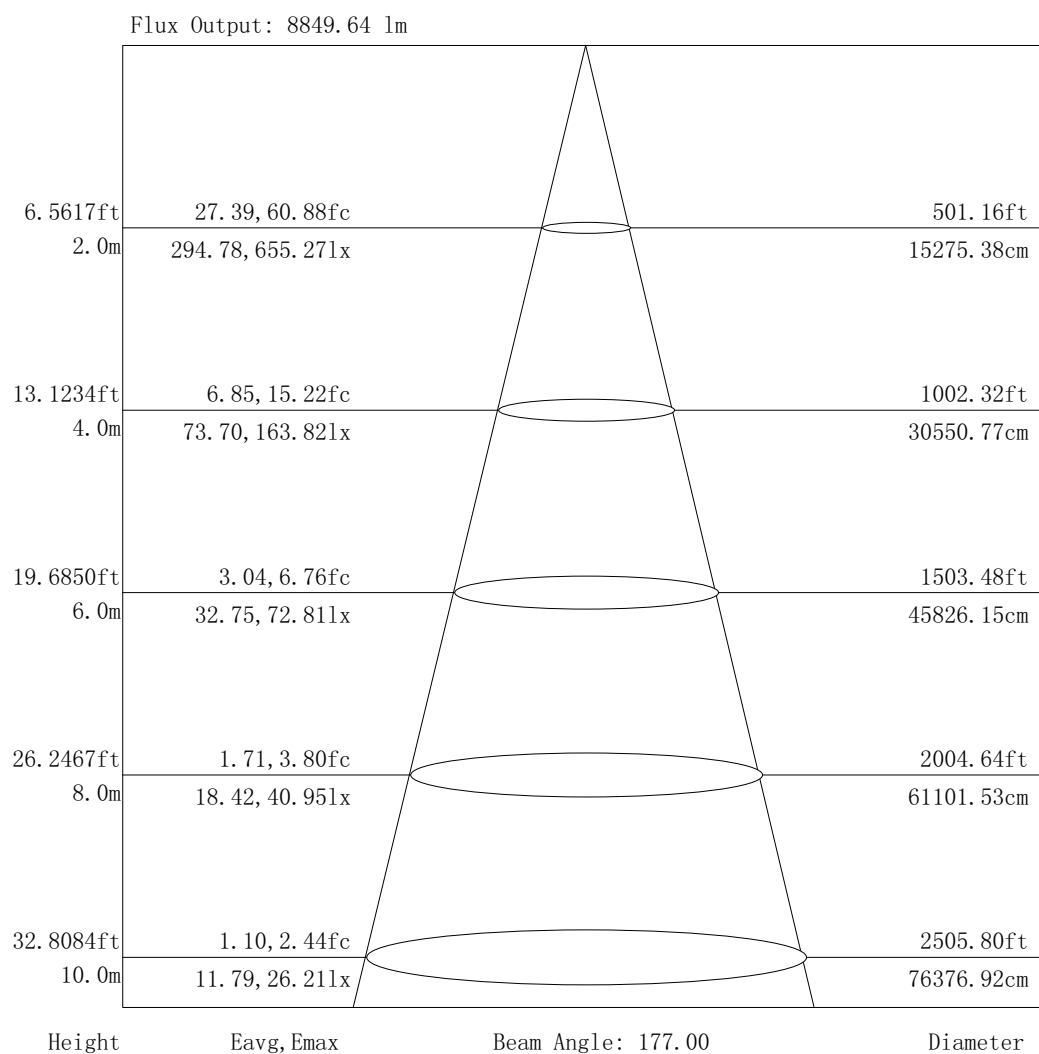


C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2016-06-04	Time:	15:42:52
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Effective Average Illuminance Diagram

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT815P450-S	Lamp Des:		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:278.500V I:0.361A P:92.000W			LuminareFlux:	1*0.00 lm



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

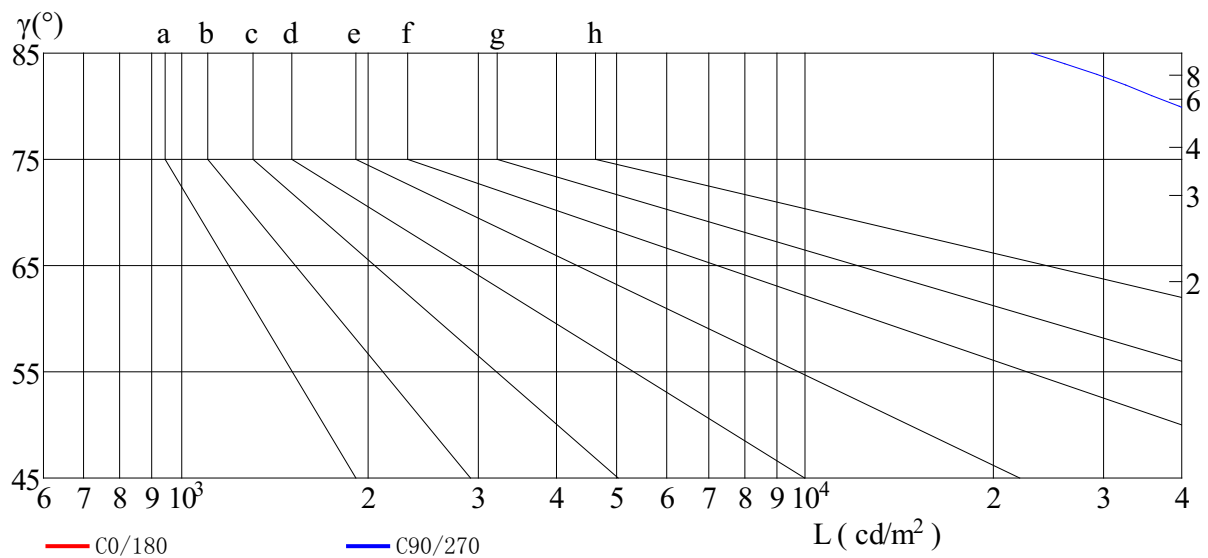
C Angle Range:	0-360Deg	γ Range:	0-180Deg	Test No.:	001
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	QA Shan
Distance:	5.000 m	Date:	2016-06-04	Time:	15:42:52
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Luminance Limitation Curves

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT815P450-S	Lamp Des:		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:278.500V I:0.361A P:92.000W			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	56627	87687	115169	136872	148402	160399	174463	183148	195476	cd/m2
C90	23015	39634	59451	80234	100943	123491	142141	164233	183470	

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: 2016-06-04 Time: 15:42:52
 Other:



SSP6316-D50: Lamp Space Intensity Distribution Tester

UTILIZATION FACTORS TABLE

Lamp Description					
Lamp Name:	POZEEN 6+6PCS SLT815P450-S	Lamp Des:		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:278.500V I:0.361A P:92.000W			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) $k(RI) \times RCR = 5$								
$k = 0.60$	53	41	33	52	40	33	50	39	32
0.80	63	50	42	62	49	42	59	48	41
1.00	71	59	50	69	58	50	66	56	49
1.25	78	66	58	76	65	57	72	63	56
1.50	83	72	64	81	70	63	77	68	61
2.00	90	80	73	88	79	72	83	75	69
2.50	94	85	78	92	83	77	87	80	74
3.00	98	90	83	95	88	82	90	84	79
4.00	102	96	90	99	93	88	94	89	84
5.00	105	99	94	102	97	92	96	92	88
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:	2016-06-04	Time:	15:42:52
Other:					