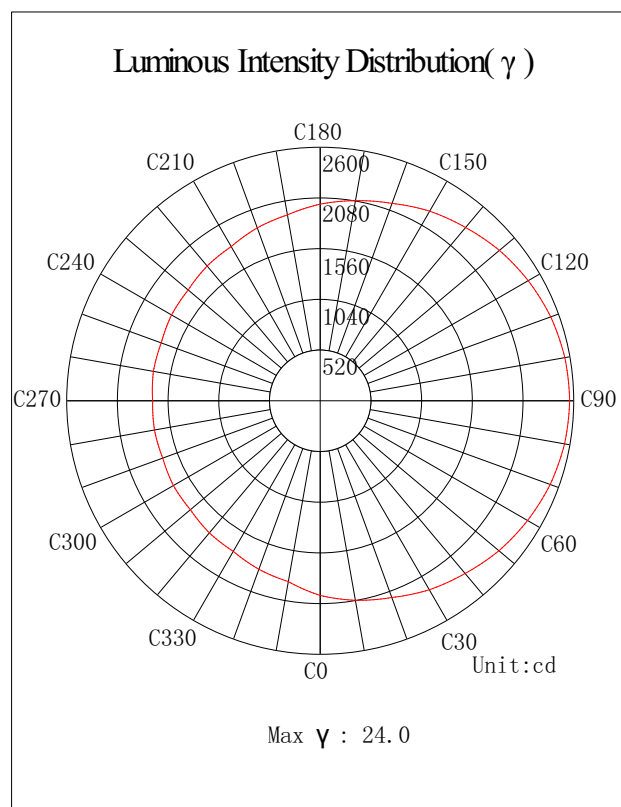
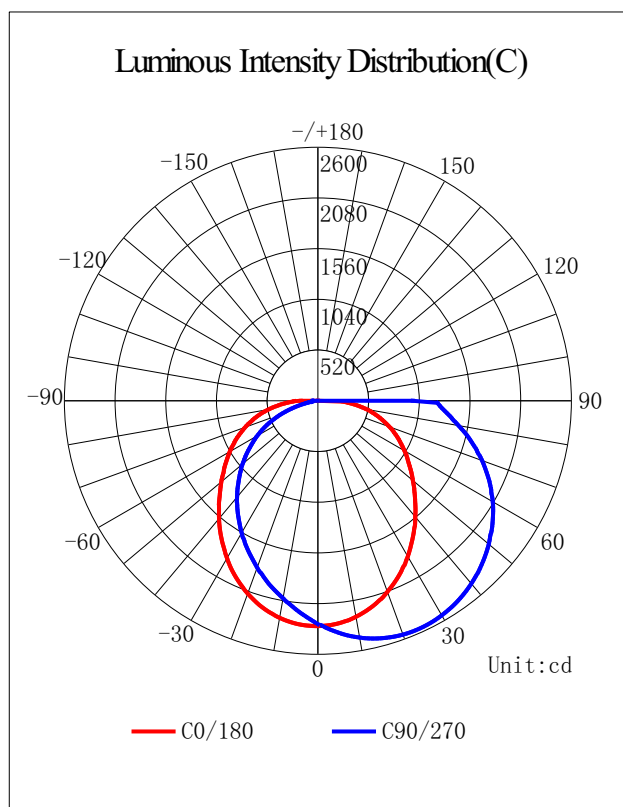


SSP6316-D50: Lamp Space Intensity Distribution

Photometric Data of Luminaire

Lamp Description					
Lamp Name:	BNL-WP100W	Lamp Des:		Lamp Weight:	0.000Kg
Manufac:	Benory lighting	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:228.500V I:0.530A P:117.900W Pf:0.9730			LuminareFlux:	1*0.00 lm

Lamp Test Data			
Lamp Flux:	7799.10 lm	Center Cd.:	2293.4 cd
Max(C, γ):	(90, 24.0)	Maximum Cd.:	2558.4 cd
BeamAngle(50%):	126.0 Deg	BeamAngle(10%):	176.0 Deg
Flux(0-90):	7789.95 lm(99.9%)	Flux(90-180):	9.2 lm(0.1%)
LuminousEfficacy:	66.15 lm/W		



C Angle Range:	0-360Deg	γ Range:	0-90Deg	Test No.:	NO
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	peng
Distance:	5.000 m	Date:	2014-07-01	Time:	15:49:24
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	2249.2	2398.7	2465.5	2392.4	2260.1	2120.7	2056.6	2094.9	0-10	217.03	217.03	2.79	2.79
20	2084.7	2386.1	2551.7	2390.3	2104.2	1889.6	1820.9	1857.2	10-20	621.73	838.76	10.76	10.76
30	1844.3	2271.6	2540.7	2283.0	1863.7	1628.1	1563.5	1593.8	20-30	943.52	1782.28	22.86	22.86
40	1553.8	2075.7	2447.8	2091.3	1577.1	1348.9	1289.6	1315.3	30-40	1146.35	2928.63	37.56	37.56
50	1271.6	1829.2	2287.9	1843.3	1292.9	1063.4	1007.9	1033.7	40-50	1220.62	4149.25	53.21	53.21
60	1025.1	1574.2	2071.2	1582.8	1042.7	791.9	717.3	746.5	50-60	1184.17	5333.43	68.39	68.39
70	781.0	1323.8	1792.1	1328.1	793.1	537.7	400.3	518.0	60-70	1057.12	6390.55	81.94	81.94
80	510.7	1046.4	1464.9	1046.4	514.4	245.7	99.4	226.8	70-80	840.67	7231.22	92.72	92.72
90	0.0	291.8	973.6	286.0	175.6	38.5	0.0	34.6	80-90	558.73	7789.95	99.89	99.89
DEG	LUMINOUS INTENSITY:cd									UNIT:lm			

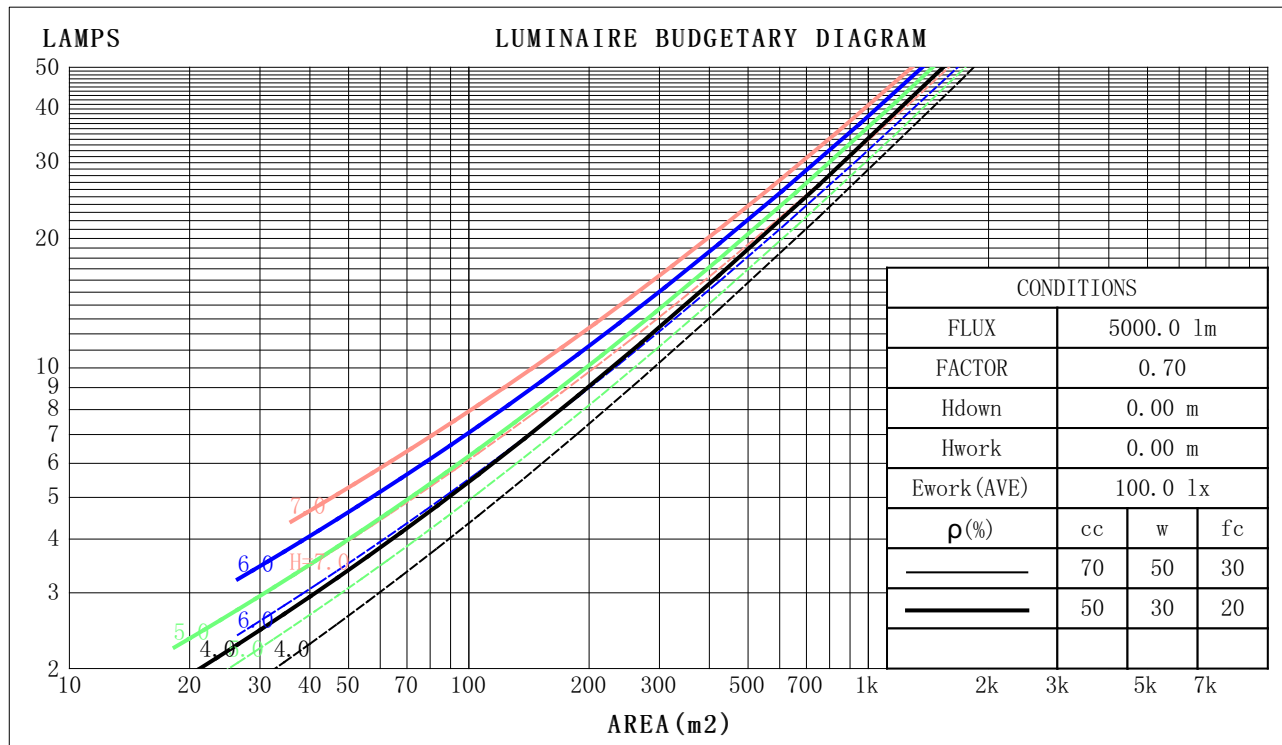
C Angle Range:	0-360Deg	γ Range:	0-90Deg	Test No. :	NO
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	peng
Distance:	5.000 m	Date:	2014-07-01	Time:	15:49:24
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Lamp Description					
Lamp Name:	BNL-WP100W	Lamp Des:		Lamp Weight:	0.000Kg
Manufac:	Benory lighting	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:228.500V I:0.530A P:117.900W Pf:0.9730			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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.00	.94	.90	.97	.93	.88	.93	.89	.85	.89	.86	.83	.85	.83	.80	.78
2.0	.86	.78	.71	.84	.76	.70	.80	.74	.68	.76	.71	.67	.73	.69	.65	.63
3.0	.74	.65	.58	.73	.64	.57	.70	.62	.56	.67	.60	.55	.64	.59	.54	.52
4.0	.65	.56	.48	.64	.55	.48	.61	.53	.47	.59	.52	.46	.57	.51	.46	.43
5.0	.58	.48	.41	.57	.48	.41	.55	.47	.40	.53	.46	.40	.51	.45	.39	.37
6.0	.52	.43	.36	.51	.42	.36	.49	.41	.35	.48	.40	.35	.46	.40	.34	.32
7.0	.47	.38	.31	.46	.38	.31	.45	.37	.31	.43	.36	.31	.42	.35	.30	.28
8.0	.43	.34	.28	.42	.34	.28	.41	.33	.28	.40	.33	.27	.38	.32	.27	.25
9.0	.39	.31	.25	.39	.31	.25	.38	.30	.25	.37	.30	.25	.35	.29	.24	.23
10.0	.36	.28	.23	.36	.28	.23	.35	.28	.22	.34	.27	.22	.33	.27	.22	.20



C Angle Range: 0-360Deg γ Range: 0-90Deg Test No.: NO
 C Precious: 10 Deg γ Precious: 1 Deg Tester: peng
 Distance: 5.000 m Date: 2014-07-01 Time: 15:49:24
 Other:



SSP6316-D50: Lamp Space Intensity Distribution

WEC AND CCEC

Lamp Description					
Lamp Name:	BNL-WP100W	Lamp Des:		Lamp Weight:	0.000Kg
Manufac:	Benory lighting	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:228.500V I:0.530A P:117.900W Pf:0.9730			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	.387	.220	.070	.380	.217	.069	.366	.210	.067	.354	.204	.066	.342	.198	.064	
2.0	.339	.186	.057	.333	.183	.056	.321	.178	.055	.309	.174	.054	.299	.169	.053	
3.0	.303	.161	.048	.297	.159	.048	.286	.155	.047	.276	.151	.046	.267	.148	.046	
4.0	.273	.142	.042	.268	.140	.041	.258	.137	.041	.249	.134	.040	.241	.131	.040	
5.0	.248	.126	.037	.244	.125	.036	.235	.122	.036	.227	.120	.036	.220	.118	.035	
6.0	.227	.114	.033	.223	.113	.032	.216	.111	.032	.209	.109	.032	.202	.107	.032	
7.0	.210	.104	.029	.206	.103	.029	.200	.101	.029	.193	.099	.029	.187	.097	.029	
8.0	.195	.095	.027	.191	.094	.027	.185	.093	.026	.180	.091	.026	.175	.090	.026	
9.0	.181	.088	.024	.179	.087	.024	.173	.086	.024	.168	.084	.024	.163	.083	.024	
10.0	.170	.081	.023	.167	.081	.023	.162	.080	.022	.158	.078	.022	.154	.077	.022	

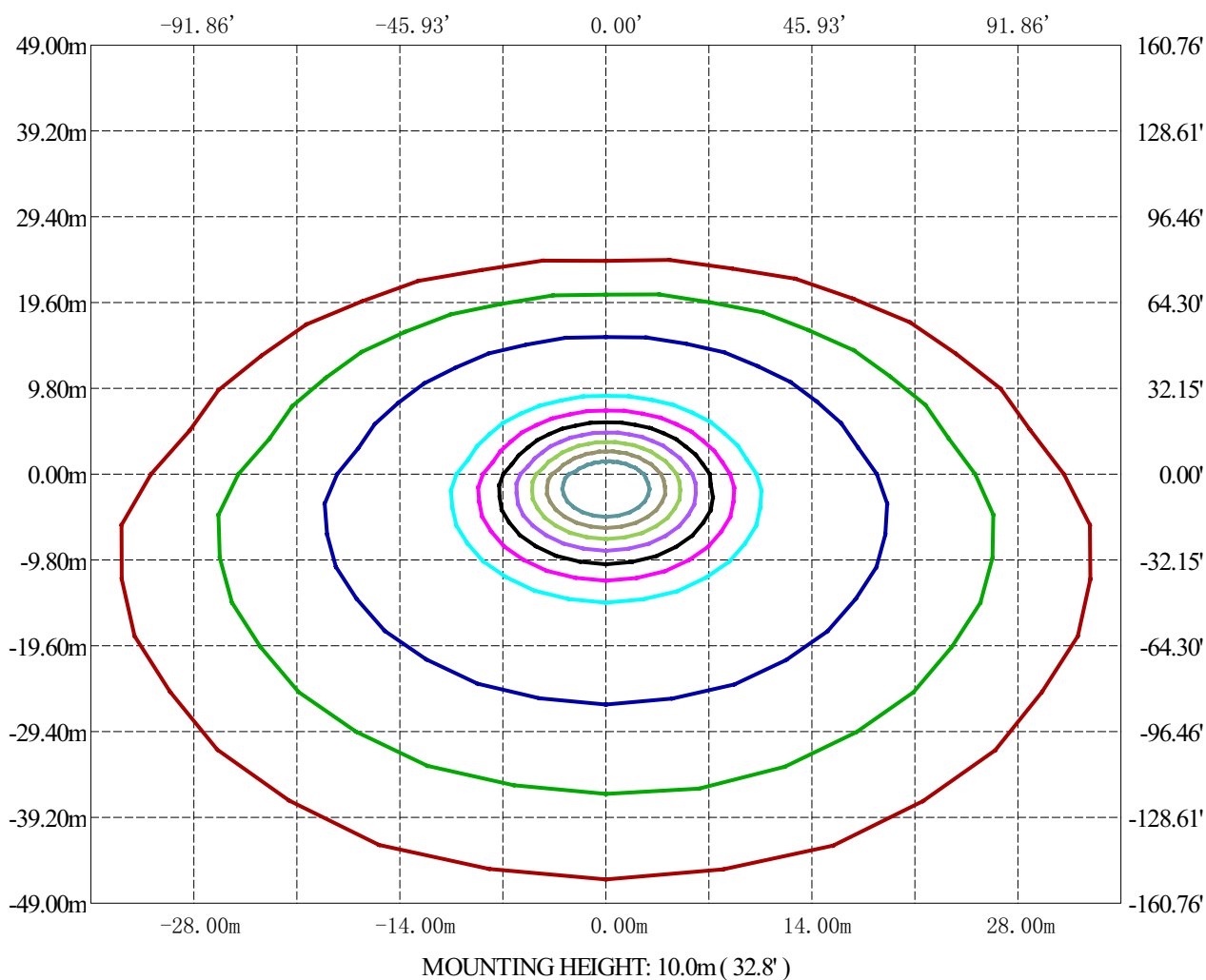
p _{cc}	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.186	.155	.128	.159	.133	.110	.109	.092	.076	.063	.053	.044	.020	.017	.014	
2.0	.179	.132	.092	.153	.113	.080	.105	.078	.056	.060	.046	.033	.019	.015	.011	
3.0	.171	.115	.070	.146	.099	.060	.101	.069	.042	.058	.040	.025	.019	.013	.008	
4.0	.163	.102	.055	.140	.088	.048	.096	.061	.034	.056	.036	.020	.018	.012	.007	
5.0	.155	.091	.045	.133	.079	.039	.091	.055	.027	.053	.032	.016	.017	.011	.005	
6.0	.147	.083	.037	.126	.072	.032	.087	.050	.023	.051	.030	.014	.016	.010	.004	
7.0	.140	.076	.032	.120	.066	.028	.083	.046	.020	.048	.027	.012	.016	.009	.004	
8.0	.133	.070	.028	.114	.061	.024	.079	.043	.017	.046	.025	.010	.015	.008	.003	
9.0	.126	.065	.024	.109	.057	.021	.075	.040	.015	.044	.024	.009	.014	.008	.003	
10.0	.120	.061	.022	.104	.053	.019	.072	.037	.013	.042	.022	.008	.014	.007	.003	

C Angle Range: 0-360Deg γ Range: 0-90Deg Test No.: NO
 C Precious: 10 Deg γ Precious: 1 Deg Tester: peng
 Distance: 5.000 m Date: 2014-07-01 Time: 15:49:24
 Other:

SSP6316-D50: Lamp Space Intensity Distribution

ISOLUX Diagram

Lamp Description					
Lamp Name:	BNL-WP100W	Lamp Des:		Lamp Weight:	0.000Kg
Manufac:	Benory lighting	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:228.500V I:0.530A P:117.900W Pf:0.9730			LuminareFlux:	1*0.00 lm



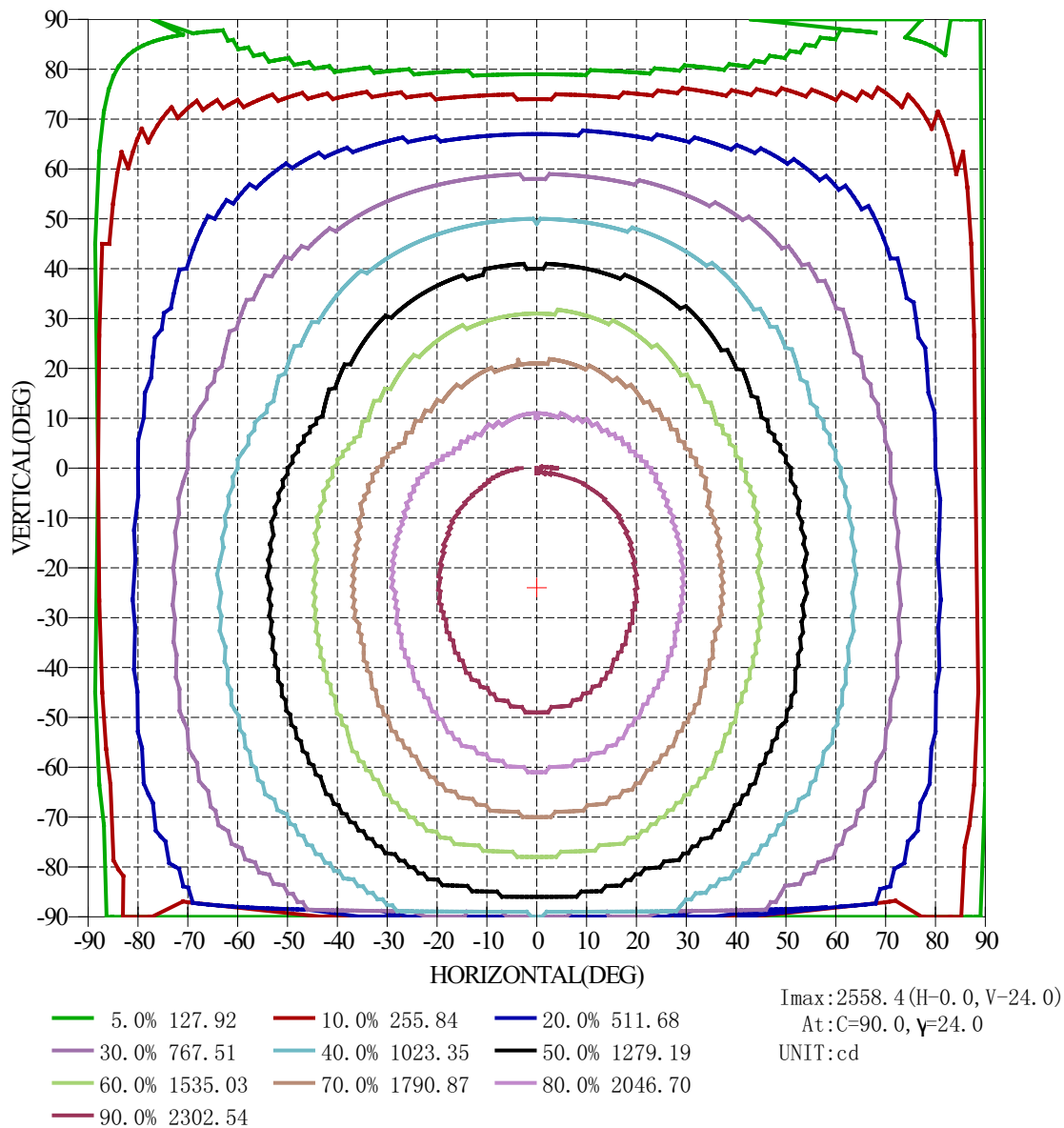
3.0% 0.6880lx 0.0639fc	5.0% 1.1467lx 0.1065fc	10.0% 2.2934lx 0.2131fc
30.0% 6.8803lx 0.6392fc	40.0% 9.1738lx 0.8522fc	50.0% 11.4671lx 1.0653fc
60.0% 13.7611lx 1.2784fc	70.0% 16.0541lx 1.4914fc	80.0% 18.3481lx 1.7045fc
90.0% 20.6411lx 1.9176fc		

C Angle Range:	0-360Deg	γ Range:	0-90Deg	Test No.:	NO
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	peng
Distance:	5.000 m	Date:	2014-07-01	Time:	15:49:24
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

ISOCANDELA Diagram

Lamp Description					
Lamp Name:	BNL-WP100W	Lamp Des:		Lamp Weight:	0.000Kg
Manufac:	Benory lighting	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:228.500V I:0.530A P:117.900W Pf:0.9730			LuminareFlux:	1*0.00 lm

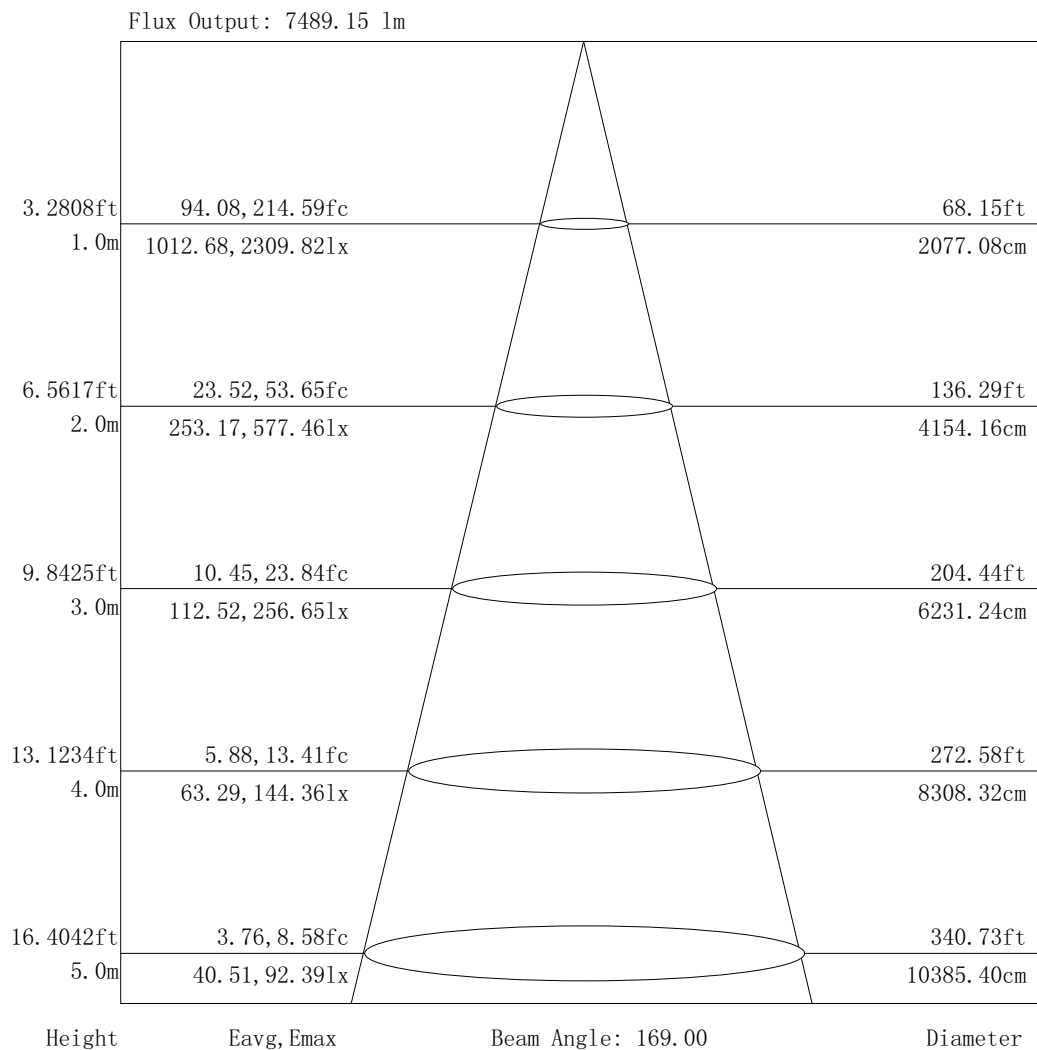


C Angle Range:	0-360Deg	γ Range:	0-90Deg	Test No.:	NO
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	peng
Distance:	5.000 m	Date:	2014-07-01	Time:	15:49:24
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Effective Average Illuminance Diagram

Lamp Description					
Lamp Name:	BNL-WP100W	Lamp Des:		Lamp Weight:	0.000Kg
Manufac:	Benory lighting	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:228.500V I:0.530A P:117.900W Pf:0.9730			LuminareFlux:	1*0.00 lm



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

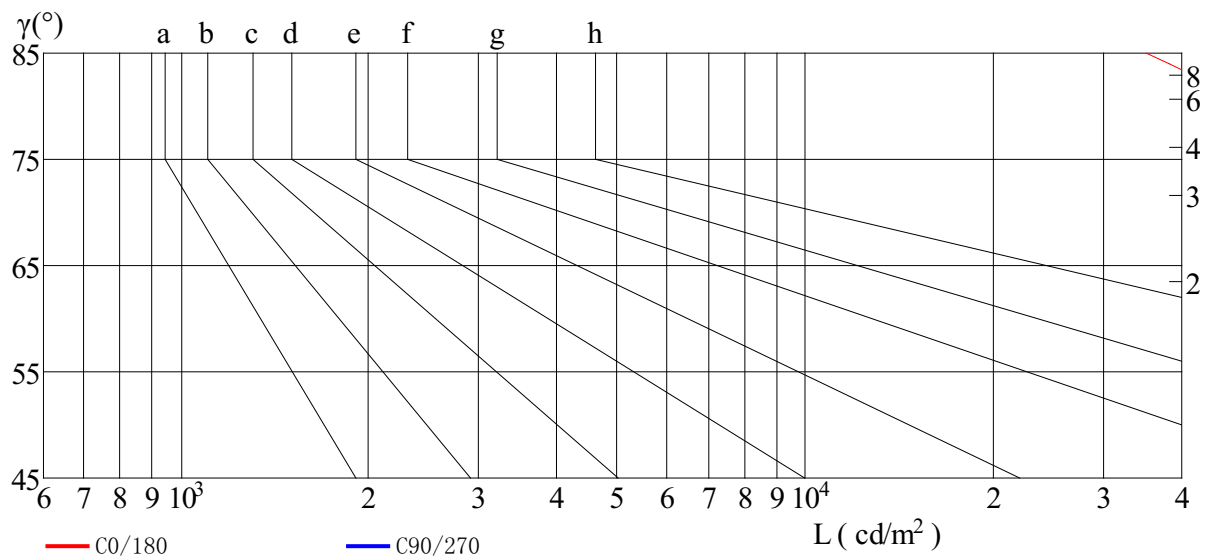
C Angle Range:	0-360Deg	γ Range:	0-90Deg	Test No. :	NO
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	peng
Distance:	5.000 m	Date:	2014-07-01	Time:	15:49:24
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Luminance Limitation Curves

Lamp Description					
Lamp Name:	BNL-WP100W	Lamp Des:		Lamp Weight:	0.000Kg
Manufac:	Benory lighting	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:228.500V I:0.530A P:117.900W Pf:0.9730			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	35103	51066	64893	78101	90681	102505	114354	127162	140856	cd/m2
C90	131705	146493	163167	179210	193913	207117	218664	228794	237566	

C Angle Range: 0-360Deg γ Range: 0-90Deg Test No.: NO
 C Precious: 10 Deg γ Precious: 1 Deg Tester: peng
 Distance: 5.000 m Date: 2014-07-01 Time: 15:49:24
 Other:

SSP6316-D50: Lamp Space Intensity Distribution Tester

UTILIZATION FACTORS TABLE

Lamp Description					
Lamp Name:	BNL-WP100W	Lamp Des:		Lamp Weight:	0.000Kg
Manufac:	Benory lighting	Lamp Size(cm):	0.0*0.0*0.0	Light Area(cm):	0.0*0.0
Electrical:	U:228.500V I:0.530A P:117.900W Pf:0.9730			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	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERFECT) k (RI) x RCR = 5									
k = 0.60	54	42	34	53	41	34	52	41	34	27
0.80	64	51	43	63	50	43	60	49	42	34
1.00	72	60	51	71	59	51	68	57	50	42
1.25	79	67	59	77	66	58	74	64	57	49
1.50	84	73	64	82	72	64	78	69	63	54
2.00	91	81	73	89	80	72	85	77	71	62
2.50	95	86	79	93	84	78	89	81	76	66
3.00	99	91	84	96	89	83	92	86	80	71
4.00	103	96	90	101	94	89	96	91	86	76
5.00	106	100	95	103	98	93	98	94	90	80
ROOM INDEX	UF (total)									Direct
According to BS EN 13032-2004				Suspended				SHRNOM=1.25		

C Angle Range:	0-360Deg	γ Range:	0-90Deg	Test No.:	NO
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	peng
Distance:	5.000 m	Date:	2014-07-01	Time:	15:49:24
Other:					