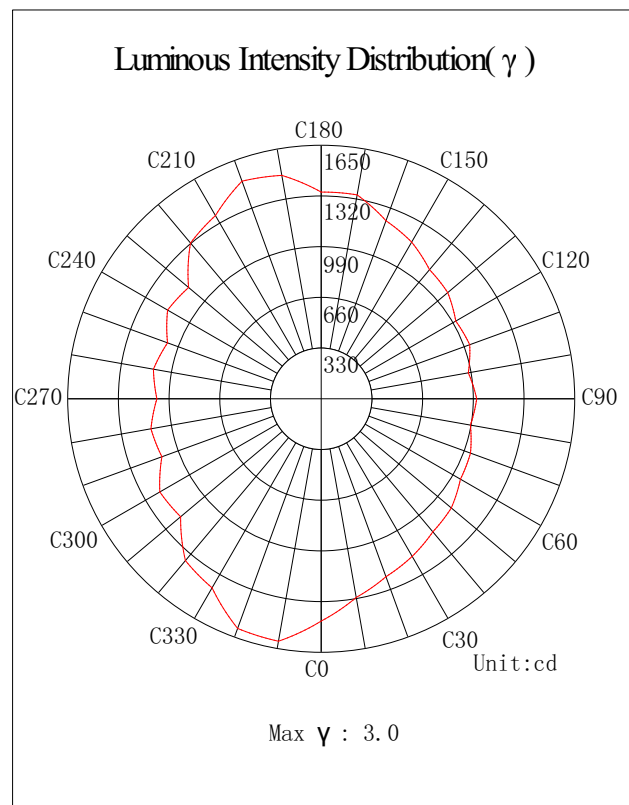
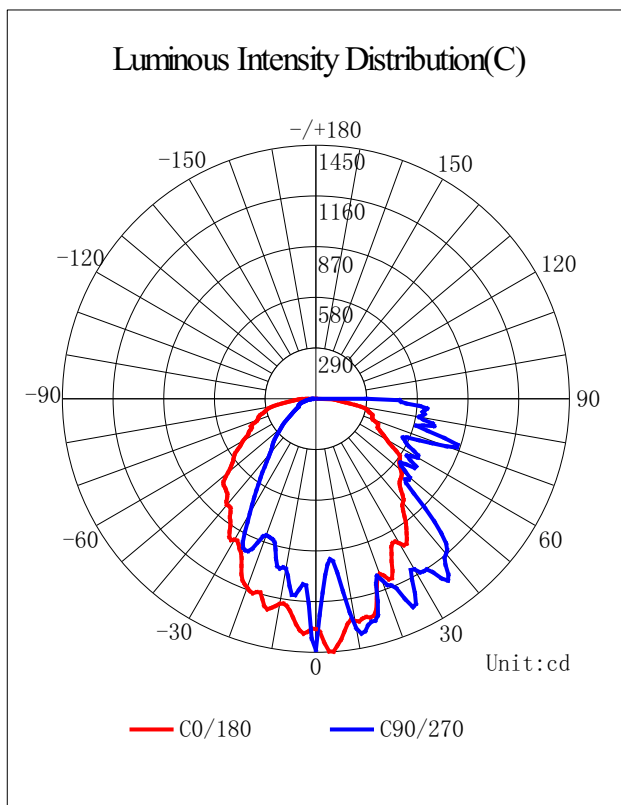


SSP6316-D50: Lamp Space Intensity Distribution

Photometric Data of Luminaire

Lamp Description					
Lamp Name:	BNL-WP40W	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:234.000V I:0.203A P:40.500W Pf:0.8530			LuminareFlux:	1*0.00 lm

Lamp Test Data			
Lamp Flux:	3249.98 lm	Center Cd.:	1387.2 cd
Max(C, γ):	(350, 3.0)	Maximum Cd.:	1602.2 cd
BeamAngle(50%):	102.0 Deg	BeamAngle(10%):	168.0 Deg
Flux(0-90):	3246.57 lm(99.9%)	Flux(90-180):	3.4 lm(0.1%)
LuminousEfficacy:	80.25 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:	17:55:06
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	1289.8	1172.6	1333.7	907.2	1190.6	1040.6	987.0	1183.4	0-10	108.17	108.17	3.33	3.33
20	1065.5	1244.8	1102.7	1219.2	1148.4	902.4	831.2	822.4	10-20	304.94	413.12	12.72	12.72
30	954.3	1118.7	1126.5	1132.7	930.5	757.8	755.6	787.6	20-30	458.28	871.39	26.82	26.82
40	774.6	920.0	1158.0	940.7	792.3	586.5	409.3	580.0	30-40	538.33	1409.72	43.38	43.38
50	634.5	738.5	701.1	736.2	655.7	402.5	260.7	392.0	40-50	500.84	1910.56	58.79	58.79
60	469.4	568.4	674.2	587.5	480.9	235.6	145.4	229.4	50-60	415.28	2325.85	71.57	71.57
70	346.7	488.5	794.8	504.4	355.9	135.3	102.2	122.5	60-70	356.17	2682.01	82.53	82.53
80	262.2	422.4	598.6	450.1	249.6	75.2	53.8	66.7	70-80	330.49	3012.50	92.70	92.70
90	0.0	124.9	289.1	102.8	51.0	16.5	0.0	15.6	80-90	234.06	3246.57	99.90	99.90
DEG	LUMINOUS INTENSITY:cd									UNIT:lm			

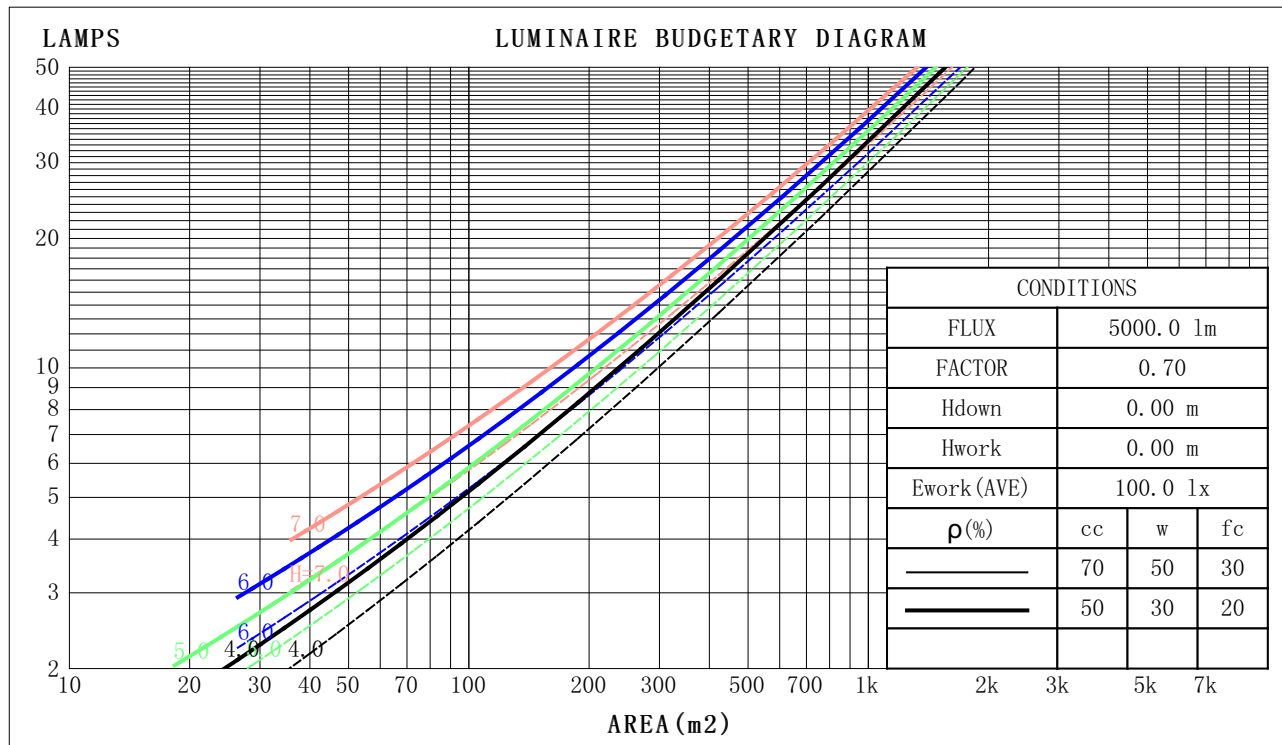
C Angle Range:	0-360Deg	γ Range:	0-90Deg	Test No. :	NO
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	peng
Distance:	5.000 m	Date:	2014-07-01	Time:	17:55:06
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Lamp Description					
Lamp Name:	BNL-WP40w	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:234.000V I:0.203A P:40.500W Pf:0.8530			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	1.01	.95	.91	.98	.93	.89	.94	.90	.86	.90	.87	.84	.86	.84	.81	.79
2.0	.87	.79	.73	.85	.78	.72	.81	.75	.70	.78	.73	.69	.75	.71	.67	.65
3.0	.76	.67	.60	.75	.66	.60	.72	.65	.59	.69	.63	.58	.66	.61	.57	.54
4.0	.68	.58	.51	.66	.58	.51	.64	.56	.50	.61	.55	.49	.59	.53	.49	.46
5.0	.61	.51	.44	.59	.51	.44	.57	.50	.44	.55	.48	.43	.53	.47	.43	.40
6.0	.55	.45	.39	.54	.45	.39	.52	.44	.38	.50	.43	.38	.49	.42	.38	.35
7.0	.50	.41	.34	.49	.40	.34	.47	.40	.34	.46	.39	.34	.45	.38	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.43	.36	.31	.42	.35	.30	.41	.35	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.26
10.0	.39	.31	.25	.38	.31	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



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:	17:55:06
Other:					



SSP6316-D50: Lamp Space Intensity Distribution

WEC AND CCEC

Lamp Description					
Lamp Name:	BNL-WP40W	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:234.000V I:0.203A P:40.500W Pf:0.8530			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	.374	.212	.067	.366	.209	.066	.353	.202	.065	.340	.196	.063	.329	.191	.061	
2.0	.325	.178	.055	.319	.176	.054	.307	.171	.053	.296	.166	.052	.286	.162	.051	
3.0	.290	.154	.046	.284	.152	.046	.274	.148	.045	.264	.145	.044	.255	.141	.044	
4.0	.262	.136	.040	.257	.134	.040	.247	.131	.039	.239	.128	.039	.231	.125	.038	
5.0	.239	.122	.035	.234	.120	.035	.226	.118	.035	.218	.115	.034	.211	.113	.034	
6.0	.219	.110	.031	.215	.109	.031	.208	.107	.031	.201	.105	.031	.195	.102	.030	
7.0	.203	.100	.028	.199	.099	.028	.193	.097	.028	.187	.096	.028	.181	.094	.028	
8.0	.188	.092	.026	.185	.091	.026	.180	.090	.026	.174	.088	.025	.169	.087	.025	
9.0	.176	.085	.024	.173	.084	.024	.168	.083	.024	.163	.082	.023	.158	.080	.023	
10.0	.165	.079	.022	.163	.079	.022	.158	.077	.022	.153	.076	.022	.149	.075	.022	

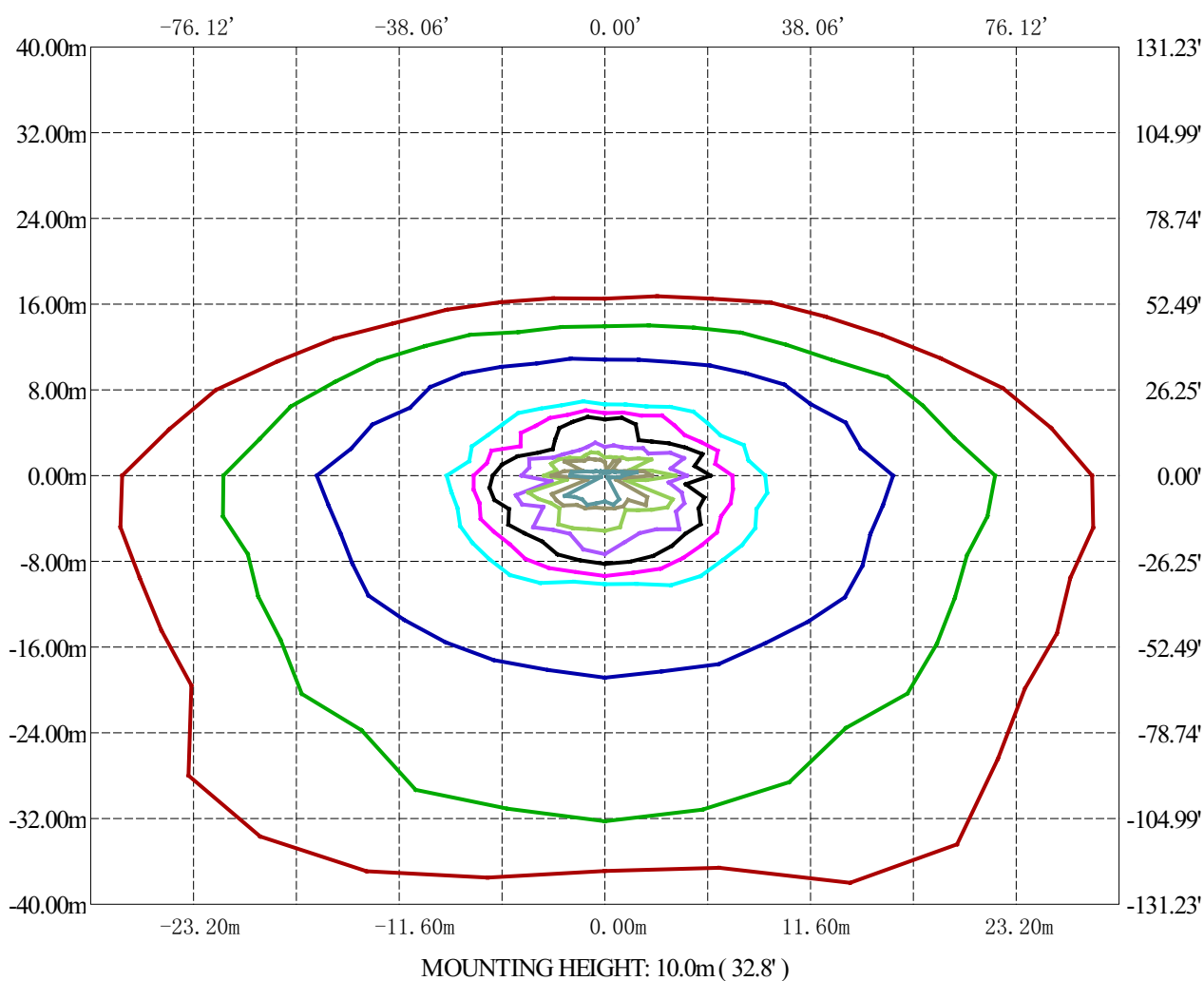
p _{cc}	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.185	.156	.129	.158	.134	.111	.108	.092	.077	.062	.053	.045	.020	.017	.014	
2.0	.177	.132	.094	.151	.113	.081	.104	.078	.057	.060	.046	.033	.019	.015	.011	
3.0	.168	.114	.071	.144	.099	.062	.099	.069	.043	.057	.040	.026	.018	.013	.008	
4.0	.160	.101	.056	.137	.088	.049	.094	.061	.035	.055	.036	.020	.018	.012	.007	
5.0	.152	.091	.046	.130	.079	.040	.090	.055	.028	.052	.032	.017	.017	.011	.006	
6.0	.144	.083	.038	.124	.071	.033	.085	.050	.024	.050	.029	.014	.016	.010	.005	
7.0	.137	.076	.033	.118	.066	.028	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.028	.112	.061	.025	.077	.042	.018	.045	.025	.010	.015	.008	.003	
9.0	.124	.065	.025	.107	.056	.022	.074	.040	.015	.043	.023	.009	.014	.008	.003	
10.0	.118	.060	.022	.102	.053	.019	.071	.037	.014	.041	.022	.008	.013	.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: 17:55:06
 Other:

SSP6316-D50: Lamp Space Intensity Distribution

ISOLUX Diagram

Lamp Description					
Lamp Name:	BNL-WP40W	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:234.000V I:0.203A P:40.500W Pf:0.8530			LuminareFlux:	1*0.00 lm



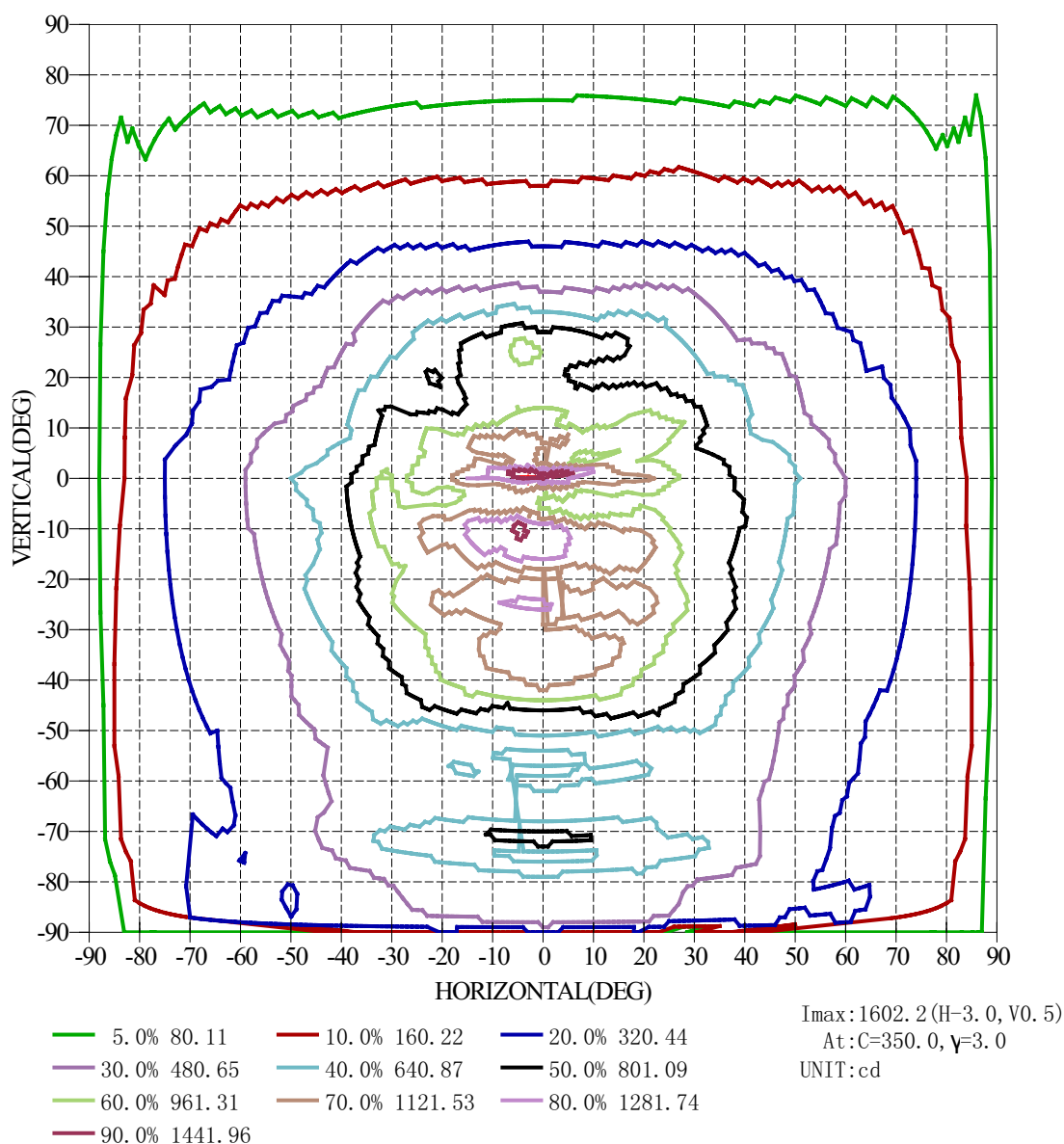
3.0% 0.4162lx 0.0387fc	5.0% 0.6936lx 0.0644fc	10.0% 1.3872lx 0.1289fc
30.0% 4.1616lx 0.3866fc	40.0% 5.5488lx 0.5155fc	50.0% 6.9360lx 0.6444fc
60.0% 8.3232lx 0.7732fc	70.0% 9.7104lx 0.9021fc	80.0% 11.098lx 1.0310fc
90.0% 12.485lx 1.1598fc		

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:	17:55:06
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

ISOCANDELA Diagram

Lamp Description					
Lamp Name:	BNL-WP40W	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:234.000V I:0.203A P:40.500W Pf:0.8530			LuminareFlux:	1*0.00 lm

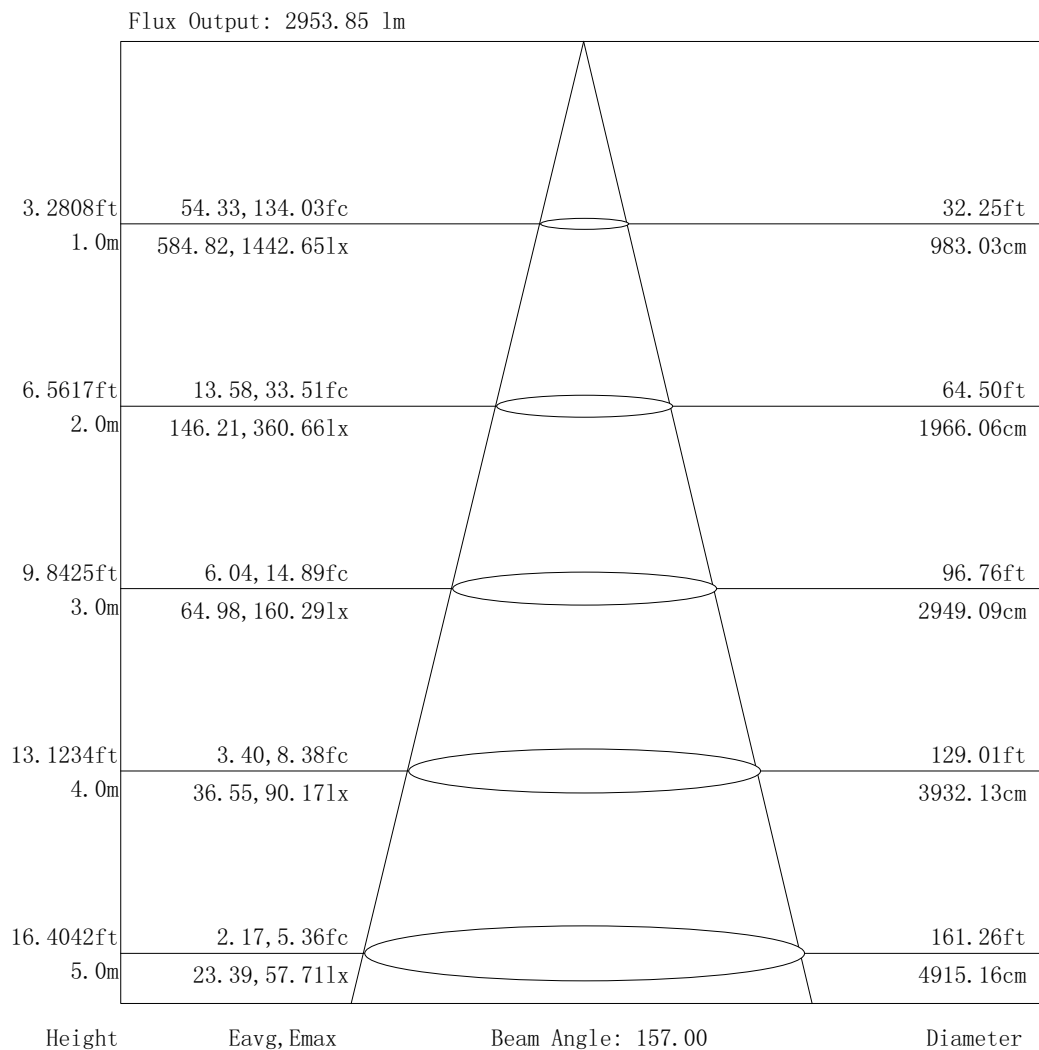


C Angle Range:	0-360Deg	γ Range:	0-90Deg	Test No.:	NO
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	peng
Distance:	5.000 m	Date:	2014-07-01	Time:	17:55:06
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Effective Average Illuminance Diagram

Lamp Description					
Lamp Name:	BNL-WP40W	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:234.000V I:0.203A P:40.500W Pf:0.8530			LuminareFlux:	1*0.00 lm



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

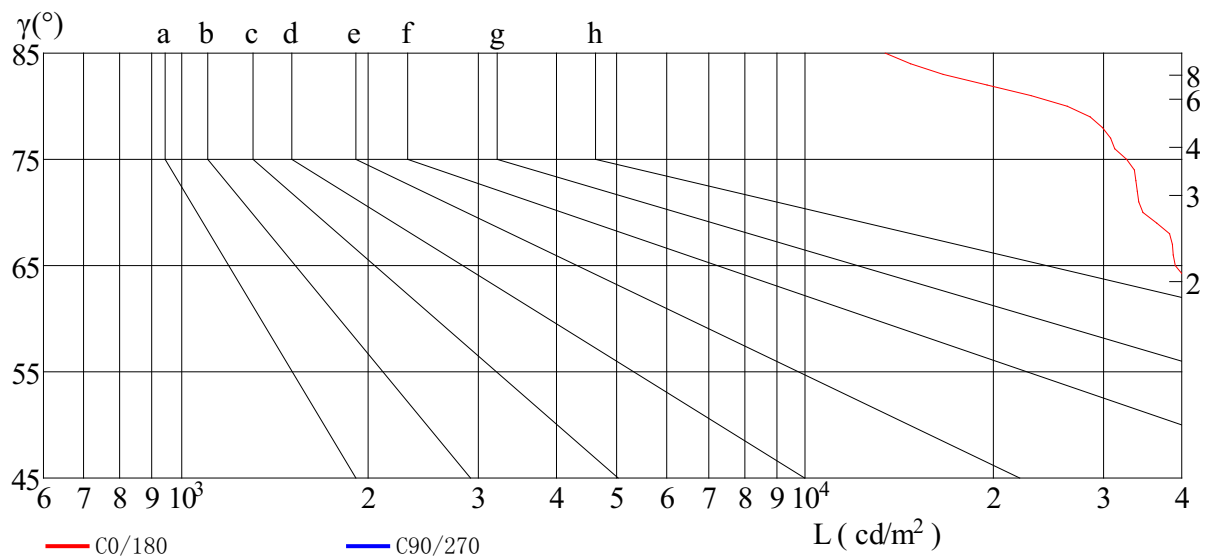
C Angle Range:	0-360Deg	γ Range:	0-90Deg	Test No.:	NO
C Precious:	10 Deg	γ Precious:	1 Deg	Tester:	peng
Distance:	5.000 m	Date:	2014-07-01	Time:	17:55:06
Other:					

SSP6316-D50: Lamp Space Intensity Distribution

Luminance Limitation Curves

Lamp Description					
Lamp Name:	BNL-WP40W	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:234.000V I:0.203A P:40.500W Pf:0.8530			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	13396	26224	32641	34668	39058	46944	58676	63454	67729	cd/m2
C90	63903	59859	59514	79477	55980	67415	68891	70111	88125	

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: 17:55:06
 Other:

SSP6316-D50: Lamp Space Intensity Distribution Tester

UTILIZATION FACTORS TABLE

Lamp Description					
Lamp Name:	BNL-WP40W	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:234.000V I:0.203A P:40.500W Pf:0.8530			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	58	46	39	57	45	38	55	45	38	31
0.80	67	55	47	66	55	47	64	54	47	39
1.00	75	63	55	74	62	55	71	61	54	47
1.25	82	70	63	80	69	62	77	68	61	53
1.50	86	76	68	84	75	67	81	72	66	58
2.00	93	83	76	91	82	75	87	79	73	65
2.50	97	88	81	94	86	80	90	83	78	69
3.00	100	92	86	97	90	85	93	87	82	73
4.00	104	97	92	101	95	90	97	92	87	78
5.00	106	101	96	104	99	94	99	95	91	81
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: 17:55:06
 Other: