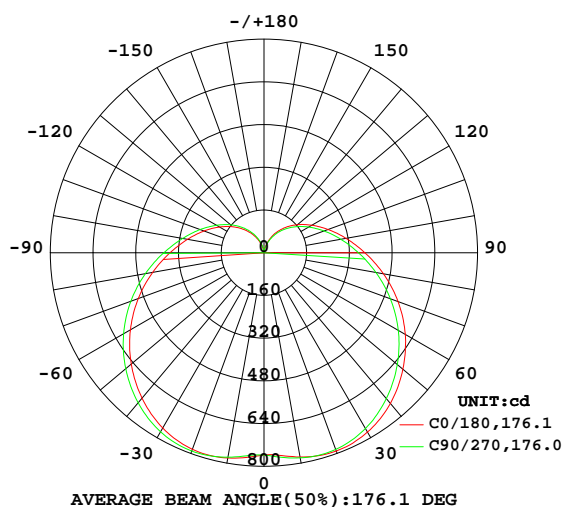


## LUMINAIRE PHOTOMETRIC TEST REPORT

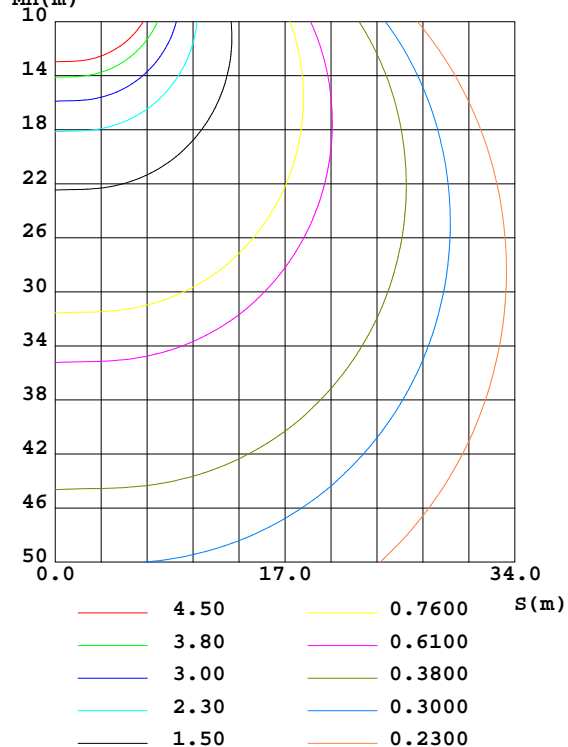
Test:U:230.1V I:0.2404A P:53.42W PF:0.9655 Freq:50.01Hz Lamp Flux:4964.15x1 lm		
NAME: LED Bulb	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Benory Industrial Co., LTD.	SUR.:	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 92.93 lm/W			
MODEL	BNL-BLB50W	I <sub>max</sub> (cd)	792.0	S/MH(C0/180)	1.49
NOMINAL POWER(W)	50	LOR(%)	100.0	S/MH(C90/270)	1.52
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	4964.1	η UP,DN(C0-180)	12.3,37.1
NOMINAL FLUX(lm)	4964.15	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	12.7,37.8
LAMPS INSIDE	1	η up(%)	25.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	η down(%)	75.0	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.5DEG  
Operators:Seth  
Test Date:2016-06-23

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.352  
Humidity:65.7%  
Test Distance:26.000m [K=1.3233]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	776.6	778.7	780.1	781.1	780.6	780.0	777.4	776.3	0- 10	73.57	73.57	1.48,1.48
20	790.3	787.6	783.9	781.7	783.4	787.9	790.6	791.9	10- 20	222.7	296.3	5.97,5.97
30	775.4	769.1	760.0	754.8	758.0	767.1	774.4	778.6	20- 30	360.5	656.8	13.2,13.2
40	736.7	726.0	712.8	705.7	710.7	722.9	733.4	740.0	30- 40	468.7	1126	22.7,22.7
50	679.0	666.8	651.7	643.0	649.0	663.0	675.8	684.1	40- 50	537.4	1663	33.5,33.5
60	611.0	597.9	580.9	571.1	577.7	592.8	607.4	616.2	50- 60	564.5	2227	44.9,44.9
70	534.0	520.9	503.6	493.8	500.9	515.8	530.5	539.4	60- 70	551.6	2779	56,56
80	454.2	441.9	425.5	416.3	423.3	437.2	451.0	459.4	70- 80	505.2	3284	66.2,66.2
90	377.9	368.0	354.0	346.3	352.0	363.9	375.6	383.1	80- 90	437.6	3722	75,75
100	312.1	304.0	292.6	286.0	291.1	300.4	309.9	316.2	90-100	362.8	4085	82.3,82.3
110	255.7	249.1	239.4	234.1	239.2	247.1	255.0	259.8	100-110	289.9	4375	88.1,88.1
120	206.8	201.3	193.1	188.6	193.1	199.6	206.2	210.7	110-120	221.8	4596	92.6,92.6
130	163.7	159.0	151.8	147.7	151.6	157.4	163.0	167.3	120-130	160.5	4757	95.8,95.8
140	123.6	119.3	112.8	109.0	112.4	117.5	122.8	126.4	130-140	107.1	4864	98,98
150	84.82	80.92	74.69	71.46	74.72	79.12	84.15	87.77	140-150	62.47	4926	99.2,99.2
160	44.86	44.61	39.26	36.08	39.40	42.22	46.82	50.53	150-160	28.82	4955	99.8,99.8
170	15.16	14.59	11.51	9.189	10.57	12.22	15.44	18.17	160-170	8.170	4963	100,100
180	2.283	2.528	2.391	2.394	2.592	2.731	2.594	2.593	170-180	0.7379	4964	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1388.2 lm

%lum = 28.0%

%lamp = 28.0%

Conical surface Flux(120deg): 2227.5 lm

%lum = 44.9%

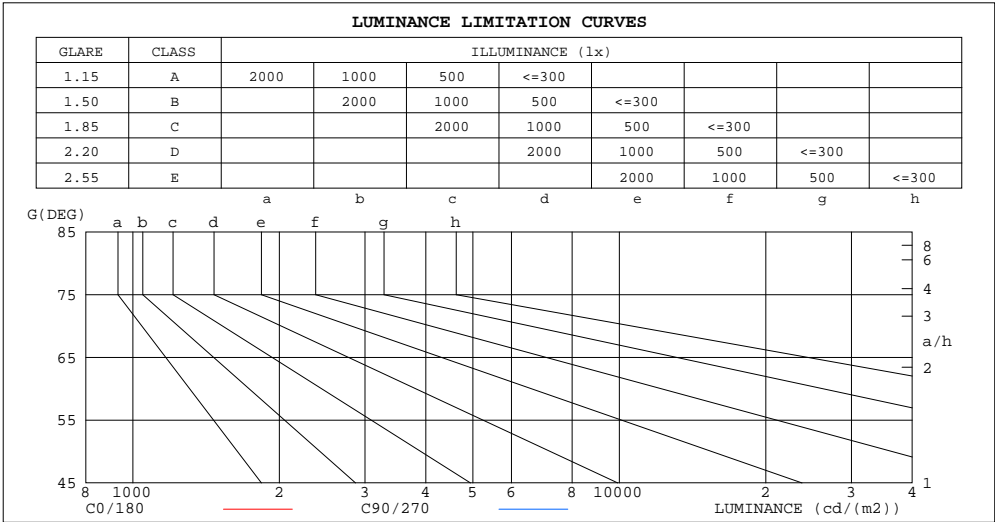
%lamp = 44.9%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:Seth  
 Test Date:2016-06-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.352  
 Humidity:65.7%  
 Test Distance:26.000m [K=1.3233]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.1V I:0.2404A P:53.42W PF:0.9655 Freq:50.01Hz Lamp Flux:4964.15x1 lm		
NAME: LED Bulb	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Benory Industrial Co., LTD.	SUR.:	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	476169	445851
80	261559	245009
75	190932	179359
70	156142	147235
65	135726	128410
60	122210	116188
55	112666	107628
50	105631	101387
45	100356	96704

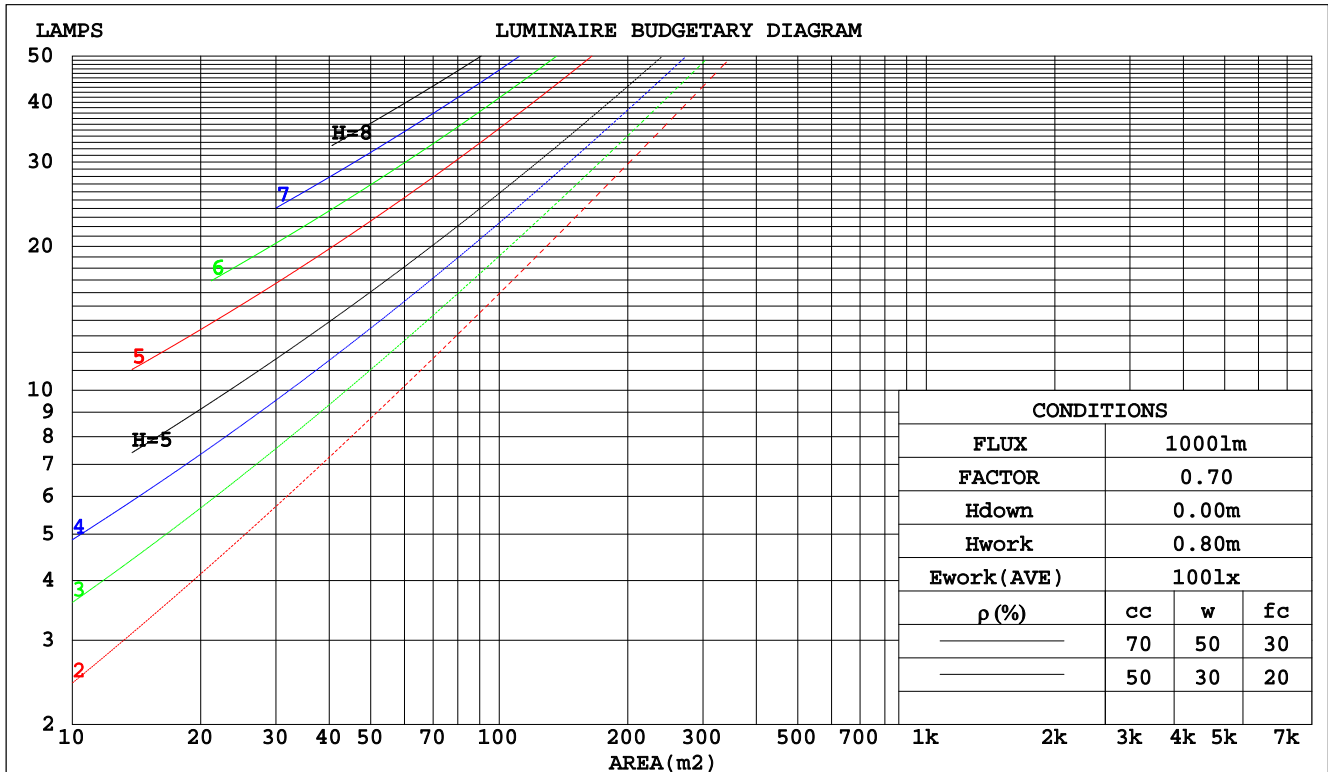
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.5DEG  
Operators:Seth  
Test Date:2016-06-23

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.352  
Humidity:65.7%  
Test Distance:26.000m [K=1.3233]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.1V I:0.2404A P:53.42W PF:0.9655 Freq:50.01Hz Lamp Flux:4964.15x1 lm		
NAME: LED Bulb	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Benory Industrial Co., LTD.	SUR.:	Shielding Angle:N/A

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.13	1.13	1.13	1.08	1.08	1.08	.97	.97	.97	.88	.88	.88	.79	.79	.79	.75
1.0	.93	.87	.82	.88	.83	.78	.79	.75	.71	.71	.68	.65	.63	.61	.58	.55
2.0	.79	.71	.64	.75	.67	.61	.67	.61	.56	.60	.55	.51	.53	.50	.46	.42
3.0	.68	.59	.51	.64	.56	.49	.58	.51	.45	.52	.46	.41	.46	.41	.38	.34
4.0	.59	.50	.42	.56	.48	.41	.51	.43	.38	.45	.39	.34	.40	.35	.31	.28
5.0	.53	.43	.36	.50	.41	.34	.45	.37	.32	.40	.34	.29	.36	.31	.27	.24
6.0	.47	.37	.31	.45	.36	.30	.40	.33	.27	.36	.30	.25	.32	.27	.23	.20
7.0	.42	.33	.27	.40	.32	.26	.36	.29	.24	.33	.27	.22	.29	.24	.20	.18
8.0	.38	.29	.23	.36	.28	.23	.33	.26	.21	.30	.24	.19	.27	.22	.18	.15
9.0	.35	.26	.21	.33	.25	.20	.30	.23	.19	.27	.21	.17	.25	.20	.16	.14
10.0	.32	.24	.19	.31	.23	.18	.28	.21	.17	.25	.20	.15	.23	.18	.14	.12



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operators: Seth  
 Test Date: 2016-06-23

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.352  
 Humidity: 65.7%  
 Test Distance: 26.000m [K=1.3233]  
 Remarks:

## WEC AND CCEC

Test:U:230.1V I:0.2404A P:53.42W PF:0.9655 Freq:50.01Hz Lamp Flux:4964.15x1 lm		
NAME: LED Bulb	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Benory Industrial Co., LTD.	SUR.:	Shielding Angle:N/A

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.405	.231	.073	.390	.223	.071	.363	.208	.066	.337	.194	.062	.313	.182	.059		
2.0	.345	.189	.058	.331	.183	.056	.306	.170	.053	.283	.159	.050	.261	.148	.047		
3.0	.304	.162	.048	.291	.156	.047	.268	.145	.044	.247	.135	.042	.227	.126	.039		
4.0	.272	.141	.042	.261	.136	.040	.240	.127	.038	.220	.118	.036	.202	.110	.033		
5.0	.246	.125	.036	.236	.121	.035	.217	.113	.033	.199	.105	.031	.182	.097	.029		
6.0	.225	.113	.032	.215	.109	.031	.198	.101	.030	.182	.094	.028	.166	.088	.026		
7.0	.207	.102	.029	.198	.099	.028	.182	.092	.027	.167	.086	.025	.153	.079	.023		
8.0	.191	.093	.026	.183	.090	.026	.169	.084	.024	.155	.078	.023	.142	.073	.021		
9.0	.178	.086	.024	.171	.083	.023	.157	.078	.022	.144	.072	.021	.132	.067	.019		
10.0	.166	.080	.022	.160	.077	.022	.147	.072	.020	.135	.067	.019	.124	.062	.018		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.381	.381	.381	.326	.326	.326	.222	.222	.222	.128	.128	.128	.041	.041	.041		
1.0	.379	.348	.319	.324	.298	.275	.222	.205	.190	.128	.119	.110	.041	.038	.036		
2.0	.373	.325	.285	.319	.280	.246	.219	.194	.172	.126	.113	.101	.040	.036	.033		
3.0	.366	.309	.264	.313	.267	.229	.215	.185	.161	.124	.108	.095	.040	.035	.031		
4.0	.358	.297	.250	.307	.257	.218	.211	.179	.153	.122	.105	.091	.039	.034	.030		
5.0	.350	.287	.241	.301	.249	.210	.207	.174	.148	.120	.102	.088	.039	.033	.029		
6.0	.343	.280	.234	.295	.242	.204	.203	.169	.144	.118	.100	.086	.038	.033	.028		
7.0	.336	.273	.229	.289	.237	.200	.199	.166	.142	.116	.098	.084	.037	.032	.028		
8.0	.329	.268	.226	.283	.232	.197	.196	.163	.140	.114	.096	.083	.037	.032	.028		
9.0	.323	.263	.223	.278	.228	.194	.192	.160	.138	.112	.095	.082	.036	.031	.027		
10.0	.317	.259	.220	.273	.225	.192	.189	.158	.137	.110	.093	.082	.036	.031	.027		

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:Seth  
 Test Date:2016-06-23

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.352  
 Humidity:65.7%  
 Test Distance:26.000m [K=1.3233]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.1V I:0.2404A P:53.42W PF:0.9655 Freq:50.01Hz Lamp Flux:4964.15x1 lm											
NAME: LED Bulb					TYPE:N/A			WEIGHT:N/A			
SPEC.:N/A					DIM.:			SERIAL No.:N/A			
MFR.: Benory Industrial Co., LTD.					SUR.:			Shielding Angle:N/A			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H		27.9	29.2	28.5	29.8	30.5	27.7	29.0	28.3	29.6	30.3
	3H	30.5	31.7	31.1	32.3	33.1	30.2	31.4	30.8	32.1	32.8
	4H	31.9	33.1	32.6	33.7	34.5	31.6	32.8	32.3	33.4	34.2
	6H	33.5	34.6	34.2	35.3	36.0	33.2	34.2	33.8	34.9	35.7
	8H	34.4	35.4	35.0	36.1	36.9	34.0	35.1	34.7	35.7	36.5
	12H	35.4	36.4	36.1	37.1	37.9	35.0	36.0	35.7	36.7	37.5
4H	2H	28.7	29.8	29.3	30.5	31.3	28.5	29.7	29.2	30.3	31.1
	3H	31.5	32.5	32.2	33.2	34.0	31.3	32.3	32.0	33.0	33.8
	4H	33.1	34.0	33.8	34.7	35.6	32.8	33.8	33.5	34.5	35.3
	6H	34.8	35.7	35.6	36.4	37.3	34.5	35.4	35.3	36.1	37.0
	8H	35.8	36.6	36.5	37.3	38.2	35.5	36.3	36.2	37.0	37.9
	12H	36.9	37.7	37.7	38.4	39.3	36.6	37.3	37.3	38.1	39.0
8H	4H	33.6	34.4	34.4	35.2	36.1	33.4	34.2	34.2	35.0	35.9
	6H	35.7	36.4	36.5	37.1	38.1	35.4	36.1	36.2	36.9	37.8
	8H	36.9	37.5	37.6	38.2	39.2	36.6	37.2	37.4	38.0	38.9
	12H	38.2	38.7	39.0	39.5	40.5	37.9	38.4	38.7	39.2	40.2
12H	4H	33.8	34.5	34.5	35.3	36.2	33.6	34.3	34.4	35.1	36.0
	6H	35.9	36.5	36.7	37.3	38.3	35.7	36.3	36.5	37.1	38.1
	8H	37.2	37.7	38.0	38.5	39.5	37.0	37.5	37.8	38.3	39.3
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4					

CIE Pub.117 Corrected 4964 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.6)

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:Seth  
 Test Date:2016-06-23

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.352  
 Humidity:65.7%  
 Test Distance:26.000m [K=1.3233]  
 Remarks:

## UTILIZATION FACTORS TABLE

Test:U:230.1V I:0.2404A P:53.42W PF:0.9655 Freq:50.01Hz Lamp Flux:4964.15x1 lm		
NAME: LED Bulb	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Benory Industrial Co., LTD.	SUR.:	Shielding Angle:N/A

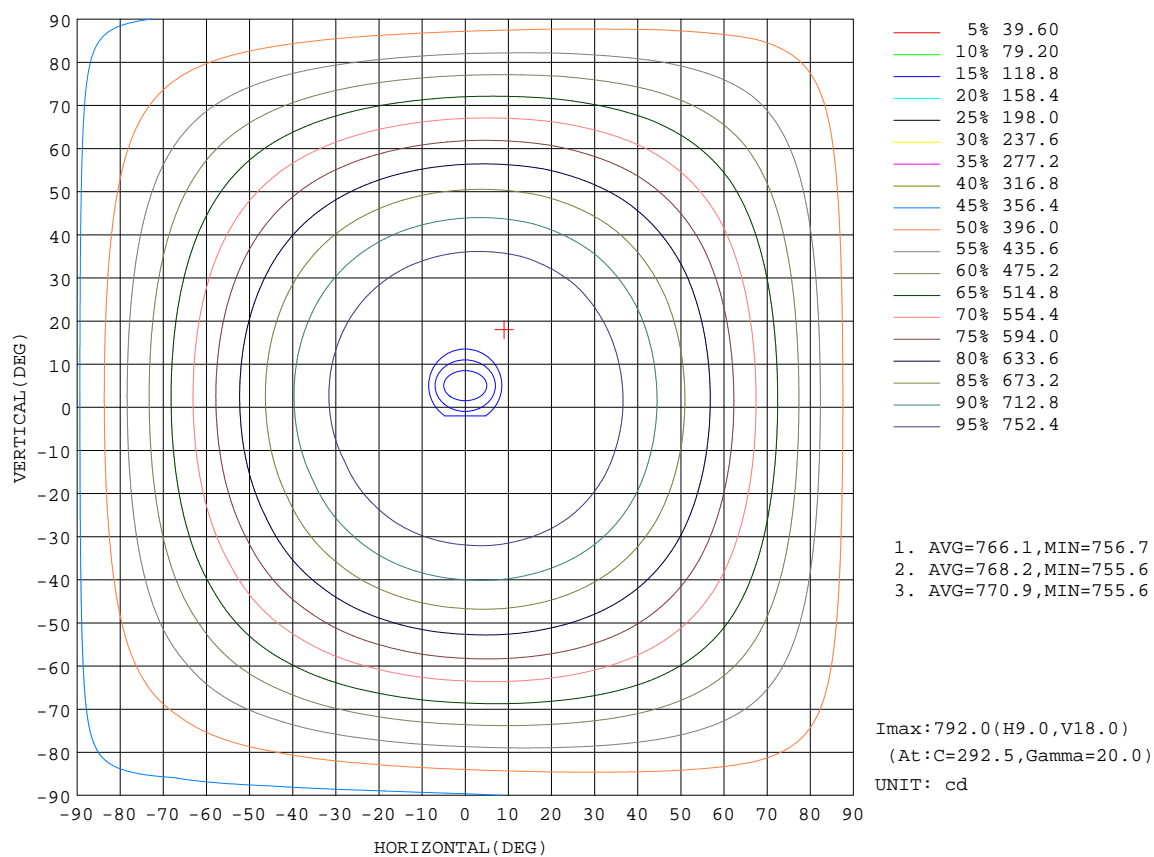
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	44	31	24	43	31	24	41	30	23	16
0.80	53	40	31	51	39	31	48	37	30	21
1.00	61	47	38	58	46	38	54	46	36	27
1.25	67	54	45	65	53	44	60	49	42	32
1.50	73	60	51	70	58	49	64	54	47	35
2.00	80	68	59	77	66	58	70	61	54	41
2.50	85	74	65	81	71	63	74	66	59	45
3.00	89	79	71	85	76	68	77	70	63	48
4.00	94	85	78	89	81	75	81	75	69	53
5.00	97	89	83	92	85	80	83	78	73	56
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:Seth  
 Test Date:2016-06-23

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.352  
 Humidity:65.7%  
 Test Distance:26.000m [K=1.3233]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:230.1V I:0.2404A P:53.42W PF:0.9655 Freq:50.01Hz Lamp Flux:4964.15x1 lm		
NAME: LED Bulb	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Benory Industrial Co., LTD.	SUR.:	Shielding Angle:N/A



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.5DEG  
Operators:Seth  
Test Date:2016-06-23

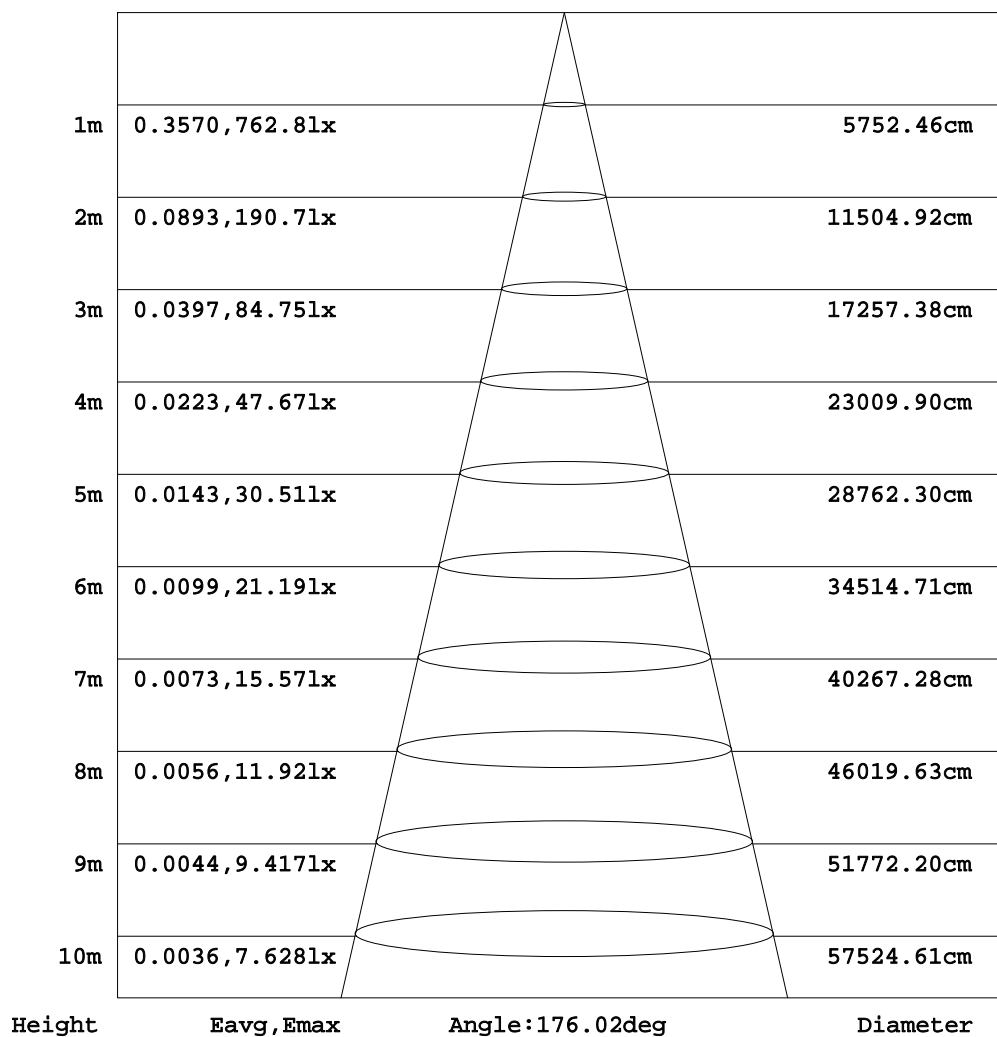
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.352  
Humidity:65.7%  
Test Distance:26.000m [K=1.3233]  
Remarks:



## AAI Figure

Test:U:230.1V I:0.2404A P:53.42W PF:0.9655 Freq:50.01Hz Lamp Flux:4964.15x1 lm		
NAME: LED Bulb	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Benory Industrial Co., LTD.	SUR.:	Shielding Angle:N/A

Flux out:3681 lm



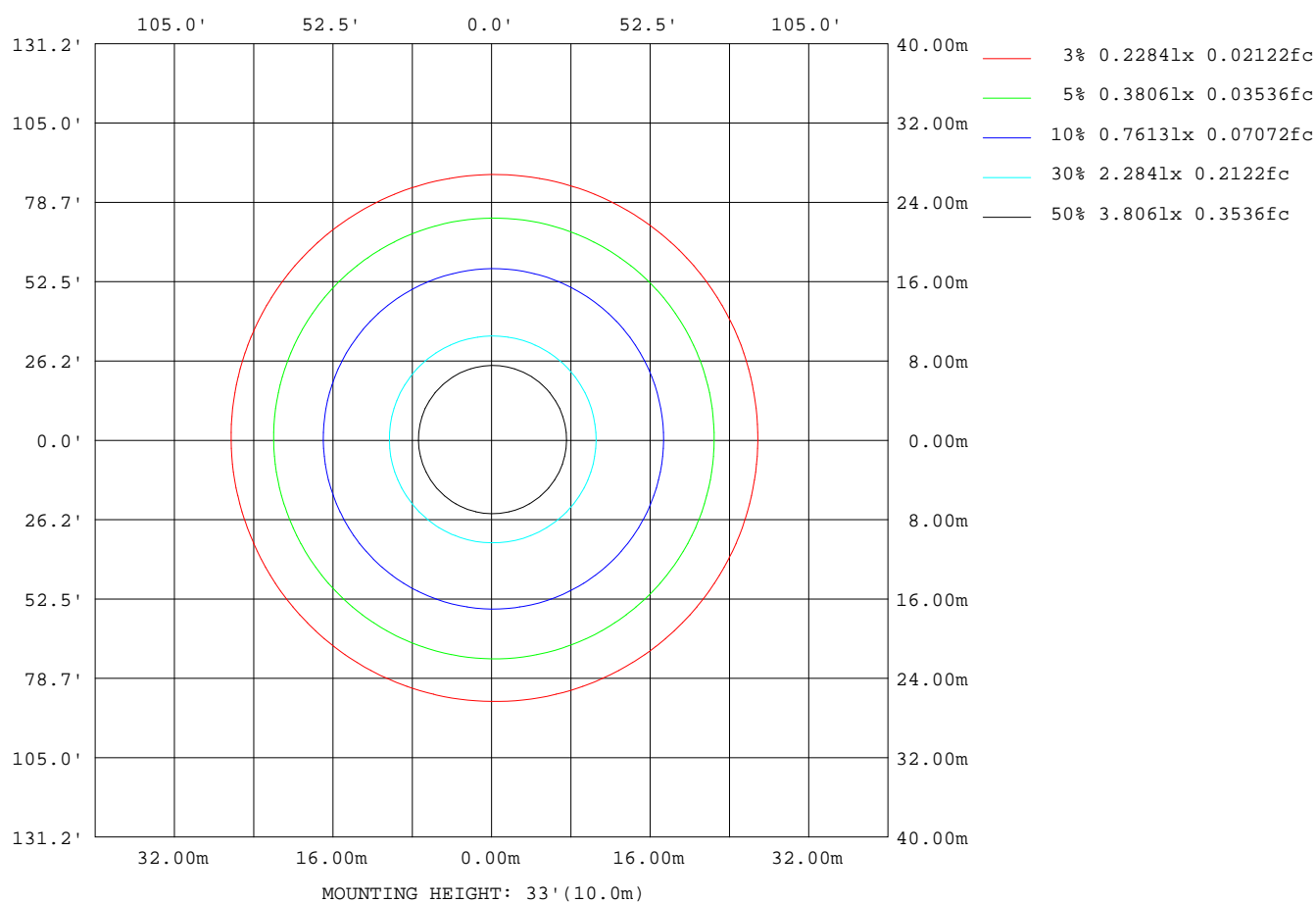
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operators: Seth  
 Test Date: 2016-06-23

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.352  
 Humidity: 65.7%  
 Test Distance: 26.000m [K=1.3233]  
 Remarks:

## ISOLUX DIAGRAM

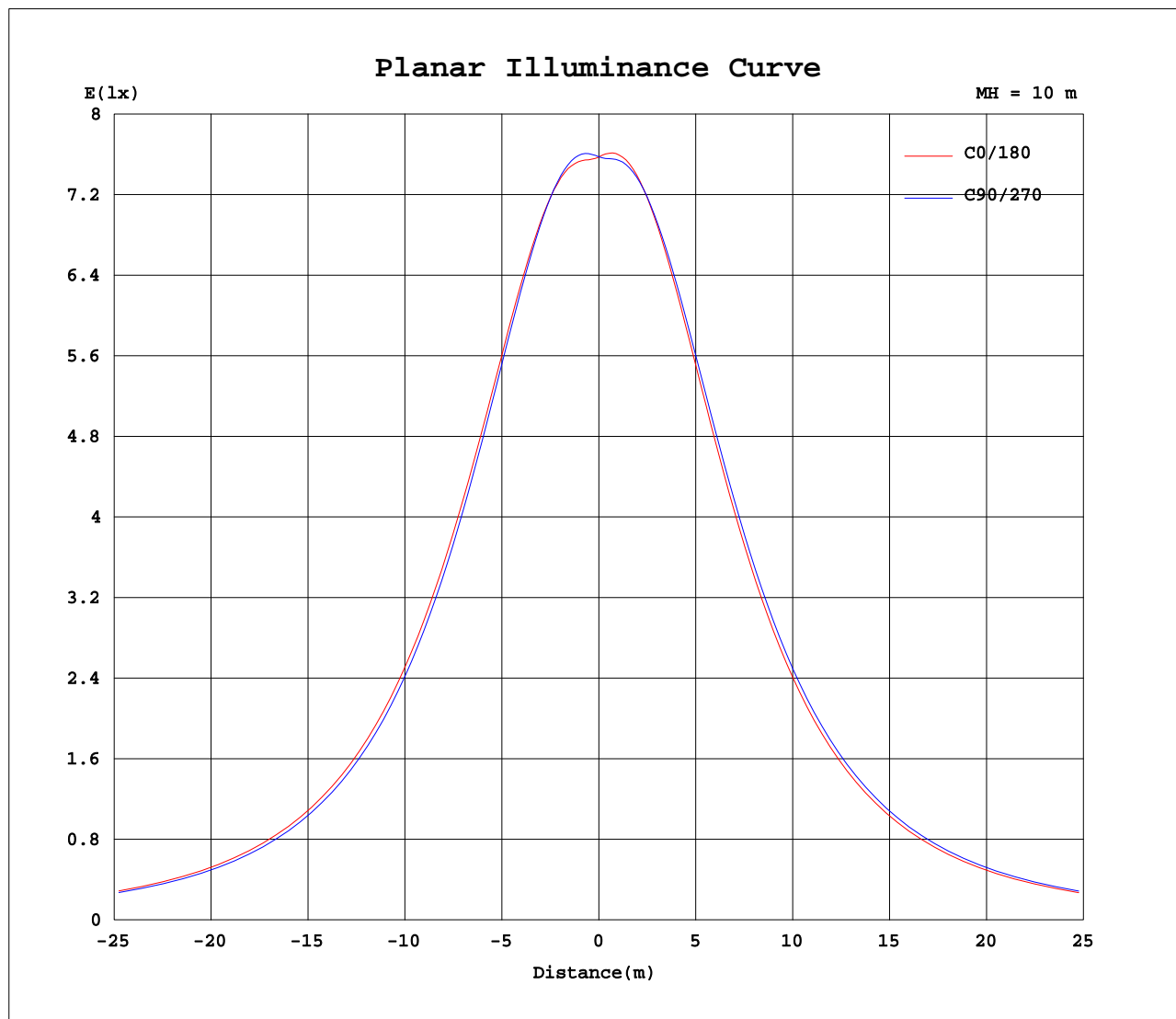
Test:U:230.1V I:0.2404A P:53.42W PF:0.9655 Freq:50.01Hz Lamp Flux:4964.15x1 lm		
NAME: LED Bulb	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Benory Industrial Co., LTD.	SUR.:	Shielding Angle:N/A



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operators: Seth  
 Test Date: 2016-06-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.352  
 Humidity: 65.7%  
 Test Distance: 26.000m [K=1.3233]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.5DEG  
Operators: Seth  
Test Date: 2016-06-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.352  
Humidity: 65.7%  
Test Distance: 26.000m [K=1.3233]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.1V I:0.2404A P:53.42W PF:0.9655 Freq:50.01Hz Lamp Flux:4964.15x1 lm		
NAME: LED Bulb	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Benory Industrial Co., LTD.	SUR.:	Shielding Angle:N/A

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	757	757	757	758	757	759	758	757	757	757	757	758	757	759	758	757			
5	762	764	766	768	769	771	771	770	770	769	768	766	764	763	761	760			
10	777	778	779	779	780	781	781	781	781	781	780	779	777	777	776	775			
15	787	787	787	786	786	786	785	785	786	787	788	788	787	788	787	786			
20	790	789	788	786	784	783	782	781	783	786	788	789	791	792	792	790			
25	787	785	782	778	775	774	772	771	774	778	781	784	786	788	789	788			
30	775	773	769	764	760	757	755	754	758	763	767	771	774	778	779	777			
35	759	755	750	744	739	735	733	732	737	742	747	752	757	761	762	761			
40	737	732	726	719	713	709	706	705	711	717	723	728	733	738	740	739			
45	710	705	698	690	684	679	676	675	681	688	694	701	706	712	714	713			
50	679	674	667	659	652	647	643	643	649	656	663	670	676	682	684	683			
55	646	641	633	625	617	612	608	608	614	621	629	636	643	649	652	650			
60	611	605	598	589	581	575	571	571	578	585	593	600	607	613	616	615			
65	574	567	560	551	543	537	533	533	540	547	555	562	570	576	578	578			
70	534	529	521	512	504	497	494	493	501	508	516	523	530	537	539	539			
75	494	489	481	472	464	458	454	454	462	469	476	484	491	497	500	499			
80	454	449	442	433	425	420	416	416	423	430	437	444	451	457	459	459			
85	415	410	404	396	389	384	380	380	387	393	399	406	412	418	420	420			
90	378	374	368	361	354	349	346	346	352	358	364	370	376	381	383	383			
95	344	340	335	328	322	318	315	315	320	325	331	336	341	346	348	348			
100	312	309	304	298	293	289	286	286	291	296	300	305	310	314	316	316			
105	283	280	276	270	265	262	259	259	264	268	273	277	281	285	287	287			
110	256	253	249	244	239	236	234	234	239	243	247	251	255	258	260	260			
115	230	228	224	220	215	213	211	210	216	219	223	226	230	233	235	234			
120	207	205	201	197	193	191	189	188	193	196	200	203	206	209	211	210			
125	185	183	180	176	172	169	168	167	172	175	178	181	184	187	188	188			
130	164	162	159	155	152	149	148	147	152	154	157	160	163	166	167	167			
135	143	142	139	135	132	130	128	128	132	134	137	140	143	145	147	146			
140	124	122	119	116	113	110	109	109	112	115	117	120	123	125	126	126			
145	104	102	100	96.5	93.7	91.4	90.1	89.8	93.2	95.3	98.0	100	103	106	107	107			
150	84.8	83.3	80.9	77.6	74.7	72.6	71.5	70.9	74.7	76.4	79.1	81.3	84.2	86.2	87.8	87.9			
155	64.5	64.5	62.2	59.2	56.3	54.4	53.2	52.9	56.5	57.9	60.4	62.7	65.2	67.5	69.0	69.3			
160	44.9	46.2	44.6	41.8	39.3	37.4	36.1	35.7	39.4	40.1	42.2	44.6	46.8	49.0	50.5	51.2			
165	28.1	28.8	28.2	25.9	23.7	21.9	20.9	20.5	23.4	23.8	25.7	27.7	29.7	31.7	33.1	33.9			
170	15.2	15.1	14.6	13.2	11.5	10.0	9.19	9.12	10.6	10.8	12.2	13.7	15.4	17.0	18.2	18.8			
175	6.27	6.02	5.55	4.94	4.35	3.74	3.40	3.26	3.12	3.12	3.79	4.56	5.32	6.23	6.89	7.28			
180	2.28	2.46	2.53	2.60	2.39	2.60	2.39	2.39	2.59	2.66	2.73	2.66	2.59	2.66	2.59	2.59			

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Test Distance:26.000m [K=1.3233]  
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