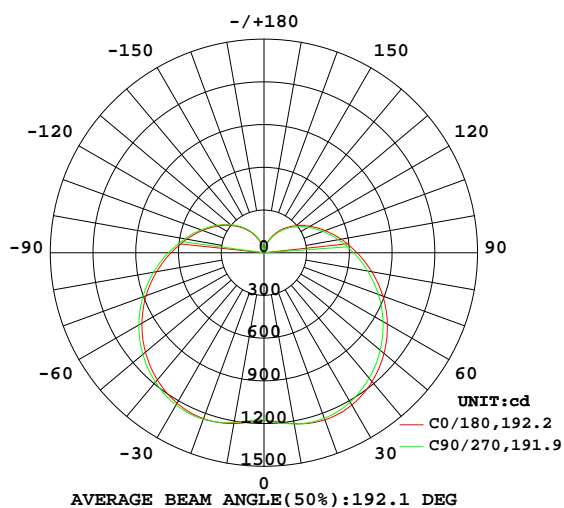


LUMINAIRE PHOTOMETRIC TEST REPORT

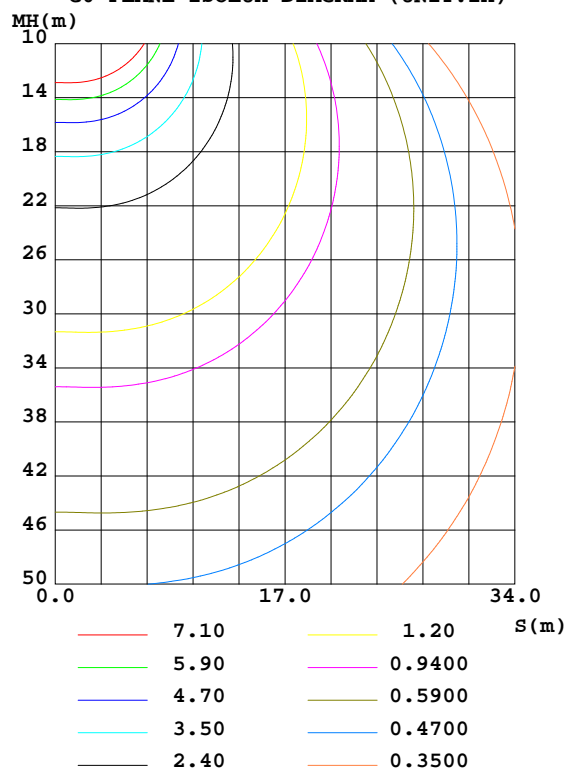
Test:U:230.1V I:0.4040A P:89.90W PF:0.9670 Freq:50.01Hz Lamp Flux:8461.94x1 lm		
NAME: LED Bulb	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Benory Industrial Co., LTD.	SUR.:	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 94.13 lm/W
MODEL	BNL-BLB90W	I _{max} (cd)	1249	S/MH(C0/180)	1.54	
NOMINAL POWER(W)	90	LOR(%)	100.0	S/MH(C90/270)	1.56	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	8461.9	η UP,DN(C0-180)	13.2,36.0	
NOMINAL FLUX(lm)	8461.94	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	13.9,36.9	
LAMPS INSIDE	1	η up(%)	27.1	CIBSE SHR NOM	1.75	
TEST VOLTAGE(V)	230	η down(%)	72.9	CIBSE SHR MAX	1.75	

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1219	1222	1221	1220	1218	1212	1210	1211	0- 10	114.6	114.6	1.35,1.35
20	1249	1244	1238	1237	1240	1241	1245	1245	10- 20	349.9	464.4	5.49,5.49
30	1234	1221	1211	1213	1221	1227	1235	1236	20- 30	572.3	1037	12.3,12.3
40	1180	1162	1149	1153	1165	1176	1186	1186	30- 40	752.8	1790	21.1,21.1
50	1100	1078	1065	1070	1086	1099	1110	1110	40- 50	875.4	2665	31.5,31.5
60	999.9	977.7	965.7	971.0	990.1	1004	1015	1013	50- 60	934.0	3599	42.5,42.5
70	888.1	866.4	855.4	861.4	880.8	894.6	904.7	902.0	60- 70	929.9	4529	53.5,53.5
80	768.6	748.7	739.3	745.1	765.1	778.2	786.6	783.2	70- 80	870.2	5399	63.8,63.8
90	653.8	636.9	629.7	635.0	652.2	663.8	670.1	665.9	80- 90	771.1	6170	72.9,72.9
100	550.9	537.4	531.4	536.0	550.5	559.8	564.3	560.5	90-100	653.4	6823	80.6,80.6
110	456.7	445.7	440.4	444.3	459.8	467.9	471.4	467.4	100-110	531.5	7355	86.9,86.9
120	373.7	364.1	359.3	362.6	376.5	383.8	386.6	383.3	110-120	411.8	7767	91.8,91.8
130	296.7	288.1	283.1	285.9	298.6	305.6	308.4	305.5	120-130	301.0	8068	95.3,95.3
140	224.0	215.7	210.5	212.7	224.4	231.5	234.9	232.7	130-140	201.7	8270	97.7,97.7
150	154.1	145.7	139.7	141.0	153.3	159.6	164.1	163.2	140-150	118.9	8388	99.1,99.1
160	83.29	78.95	72.55	73.62	84.75	90.02	96.11	96.58	150-160	55.65	8444	99.8,99.8
170	27.96	24.28	20.03	19.98	27.30	30.75	36.08	36.98	160-170	16.36	8460	100,100
180	4.202	4.204	4.524	4.118	4.257	4.256	4.243	4.383	170-180	1.550	8462	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2215.9 lm

%lum = 26.2%

%lamp = 26.2%

Conical surface Flux(120deg): 3598.9 lm

%lum = 42.5%

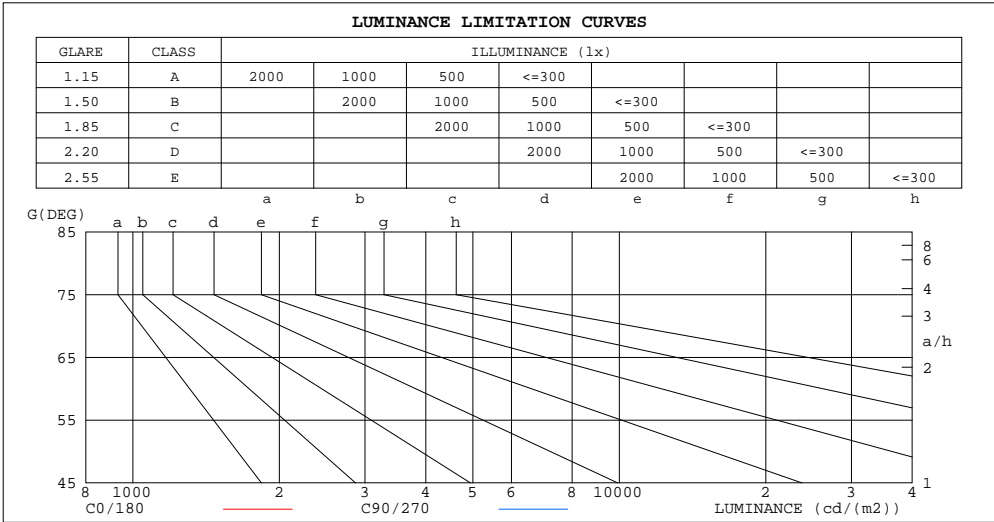
%lamp = 42.5%

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:

LUMINANCE LIMITATION CURVES

Test:U:230.1V I:0.4040A P:89.90W PF:0.9670 Freq:50.01Hz Lamp Flux:8461.94x1 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	814201	783804
80	442605	425738
75	320181	307804
70	259654	250109
65	223635	215646
60	199972	193145
55	183468	177304
50	171137	165677
45	161660	156935

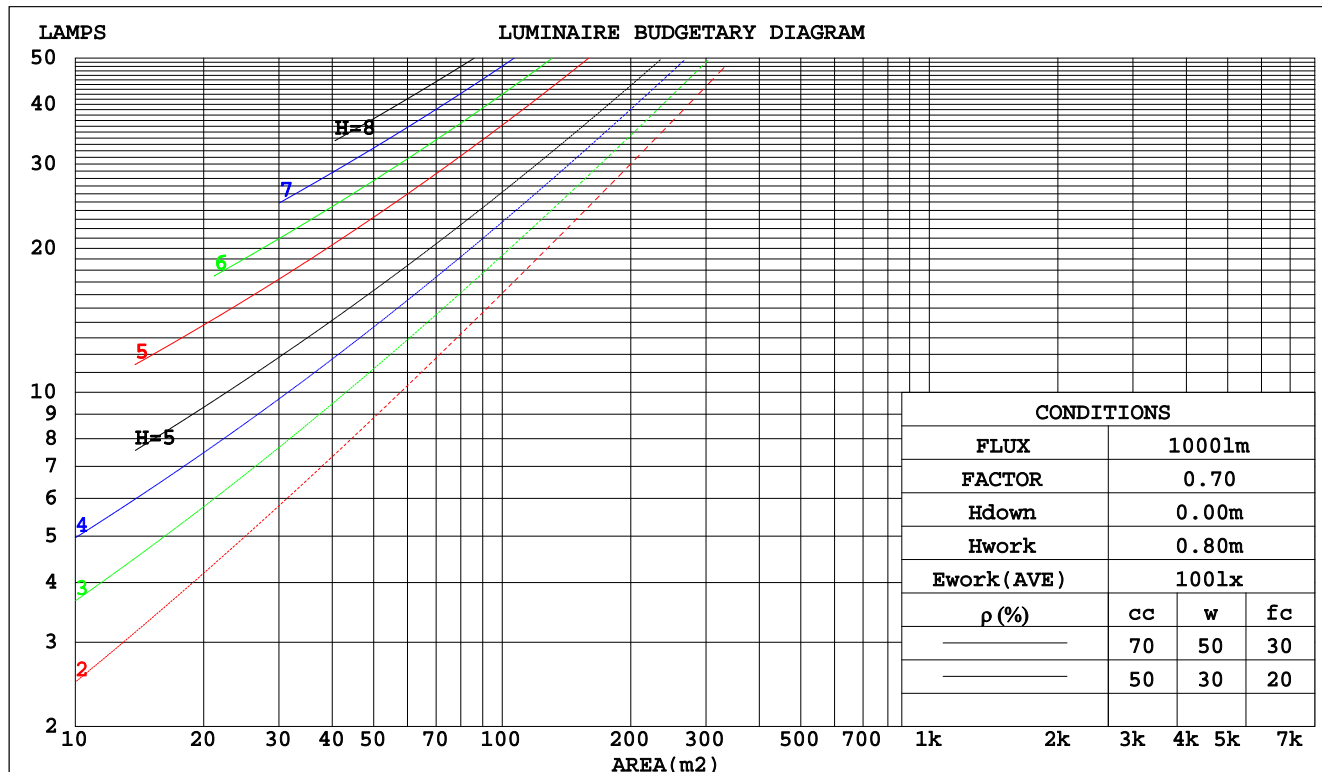
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:Seth
Test Date:2016-06-23

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:0.4040A P:89.90W PF:0.9670 Freq:50.01Hz Lamp Flux:8461.94x1 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	1.07	1.07	1.07	.96	.96	.96	.86	.86	.86	.77	.77	.77	.73
1.0	.92	.86	.81	.87	.82	.77	.78	.74	.70	.69	.66	.63	.61	.59	.57	.52
2.0	.78	.70	.63	.74	.66	.60	.66	.60	.55	.58	.54	.49	.51	.48	.44	.41
3.0	.67	.58	.51	.64	.55	.48	.57	.50	.44	.50	.45	.40	.44	.40	.36	.32
4.0	.59	.49	.42	.56	.47	.40	.50	.42	.36	.44	.38	.33	.39	.34	.30	.27
5.0	.52	.42	.35	.49	.40	.34	.44	.37	.31	.39	.33	.28	.35	.29	.25	.22
6.0	.46	.37	.30	.44	.35	.29	.39	.32	.26	.35	.29	.24	.31	.26	.22	.19
7.0	.42	.32	.26	.40	.31	.25	.35	.28	.23	.32	.26	.21	.28	.23	.19	.17
8.0	.38	.29	.23	.36	.28	.22	.32	.25	.20	.29	.23	.18	.26	.21	.17	.14
9.0	.34	.26	.20	.33	.25	.19	.30	.23	.18	.27	.21	.16	.24	.19	.15	.13
10.0	.31	.23	.18	.30	.22	.17	.27	.21	.16	.24	.19	.15	.22	.17	.13	.11



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:0.4040A P:89.90W PF:0.9670 Freq:50.01Hz Lamp Flux:8461.94x1 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	.410	.233	.074	.394	.225	.071	.365	.209	.067	.338	.195	.063	.314	.182	.059		
2.0	.347	.190	.058	.333	.184	.057	.307	.171	.053	.282	.158	.050	.260	.147	.046		
3.0	.305	.162	.049	.292	.156	.047	.268	.145	.044	.246	.135	.041	.225	.125	.039		
4.0	.273	.142	.042	.261	.137	.040	.239	.127	.038	.219	.117	.035	.200	.109	.033		
5.0	.246	.126	.036	.236	.121	.035	.216	.112	.033	.197	.104	.031	.180	.096	.029		
6.0	.225	.113	.032	.215	.109	.031	.197	.101	.029	.180	.093	.027	.164	.086	.026		
7.0	.207	.102	.029	.198	.099	.028	.181	.092	.026	.165	.085	.025	.151	.078	.023		
8.0	.191	.093	.026	.183	.090	.025	.168	.084	.024	.153	.078	.022	.139	.072	.021		
9.0	.178	.086	.024	.170	.083	.023	.156	.077	.022	.143	.071	.020	.130	.066	.019		
10.0	.166	.080	.022	.159	.077	.021	.146	.071	.020	.133	.066	.019	.121	.061	.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	.397	.397	.397	.339	.339	.339	.231	.231	.231	.133	.133	.133	.043	.043	.043		
1.0	.395	.363	.335	.338	.312	.288	.231	.215	.199	.133	.124	.116	.043	.040	.037		
2.0	.389	.341	.301	.333	.294	.260	.228	.203	.181	.132	.118	.106	.042	.038	.035		
3.0	.382	.325	.280	.327	.280	.243	.225	.195	.170	.130	.114	.100	.042	.037	.033		
4.0	.374	.313	.266	.321	.270	.231	.221	.188	.163	.128	.110	.096	.041	.036	.032		
5.0	.366	.303	.257	.315	.263	.224	.217	.183	.158	.126	.108	.094	.040	.035	.031		
6.0	.359	.296	.250	.309	.256	.218	.213	.179	.154	.123	.105	.092	.040	.034	.030		
7.0	.352	.289	.246	.303	.251	.214	.209	.176	.152	.121	.104	.090	.039	.034	.030		
8.0	.345	.284	.242	.297	.246	.211	.206	.173	.150	.120	.102	.089	.039	.033	.030		
9.0	.339	.279	.239	.292	.242	.208	.202	.170	.148	.118	.101	.088	.038	.033	.029		
10.0	.333	.275	.237	.287	.239	.207	.199	.168	.147	.116	.099	.088	.038	.033	.029		

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:0.4040A P:89.90W PF:0.9670 Freq:50.01Hz Lamp Flux:8461.94x1 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		29.4	30.7	30.0	31.3	32.1	29.2	30.5	29.8	31.2	31.9
	3H	32.0	33.2	32.7	33.9	34.7	31.9	33.1	32.5	33.7	34.5
	4H	33.5	34.7	34.2	35.3	36.2	33.3	34.5	34.0	35.1	35.9
	6H	35.1	36.2	35.8	36.9	37.8	34.9	36.0	35.6	36.7	37.5
	8H	36.0	37.1	36.7	37.8	38.6	35.8	36.9	36.5	37.6	38.4
	12H	37.1	38.1	37.8	38.8	39.7	36.9	37.9	37.6	38.6	39.4
4H	2H	30.2	31.3	30.9	32.0	32.8	30.1	31.2	30.8	31.9	32.7
	3H	33.1	34.1	33.8	34.8	35.6	32.9	33.9	33.6	34.6	35.5
	4H	34.7	35.6	35.4	36.3	37.2	34.5	35.4	35.2	36.2	37.1
	6H	36.5	37.3	37.2	38.1	39.0	36.3	37.1	37.1	37.9	38.8
	8H	37.5	38.3	38.3	39.0	40.0	37.3	38.1	38.1	38.8	39.8
	12H	38.6	39.4	39.4	40.1	41.1	38.4	39.2	39.2	39.9	40.9
8H	4H	35.3	36.0	36.0	36.8	37.8	35.1	35.9	35.9	36.7	37.6
	6H	37.4	38.0	38.1	38.8	39.8	37.2	37.9	38.0	38.7	39.6
	8H	38.6	39.1	39.4	40.0	40.9	38.4	39.0	39.2	39.8	40.8
	12H	39.9	40.5	40.8	41.3	42.3	39.7	40.3	40.6	41.1	42.1
12H	4H	35.4	36.1	36.2	36.9	37.9	35.3	36.0	36.1	36.8	37.8
	6H	37.6	38.2	38.4	39.0	40.0	37.5	38.1	38.3	38.9	39.9
	8H	38.9	39.4	39.7	40.3	41.3	38.8	39.3	39.6	40.1	41.1
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 8462 lm Total Lamp Luminous Flux.(8log(F/F0) = 7.4)

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:0.4040A P:89.90W PF:0.9670 Freq:50.01Hz Lamp Flux:8461.94x1 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

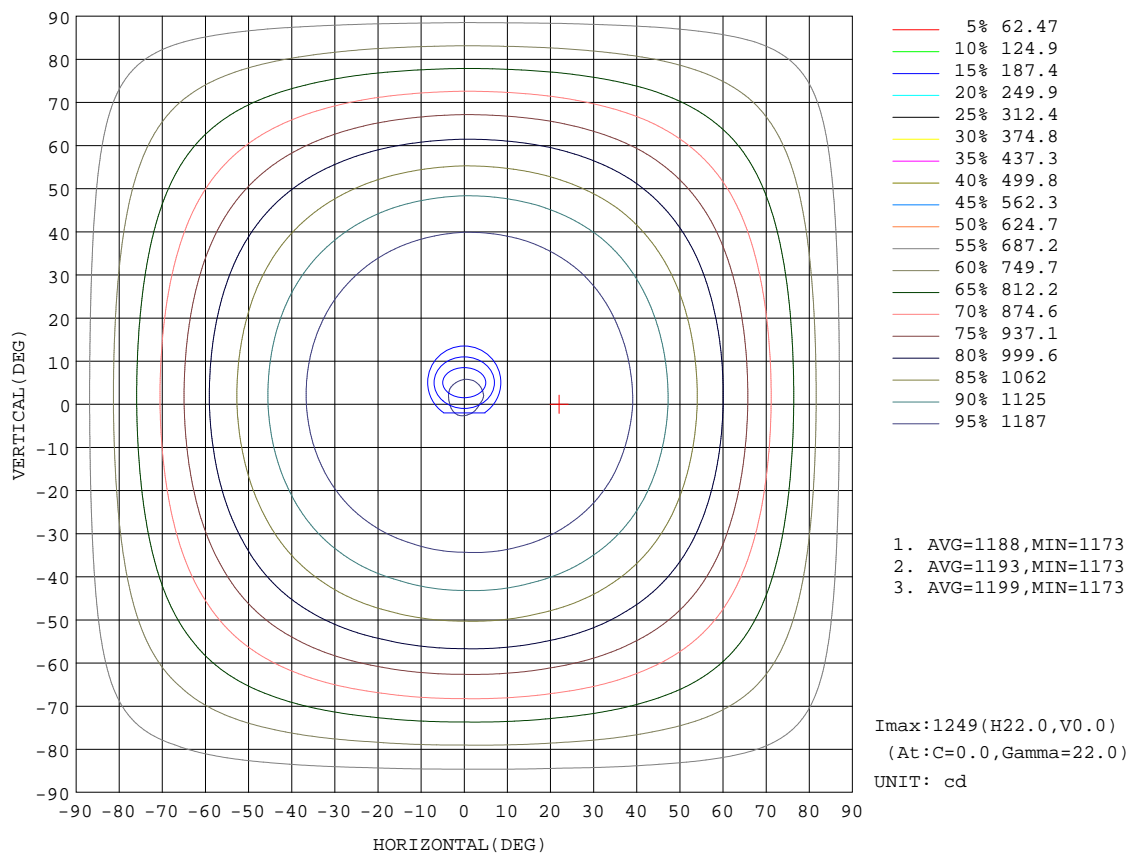
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	43	30	23	42	30	23	39	29	22	15
0.80	52	38	30	50	37	30	47	36	28	20
1.00	59	46	37	57	44	36	53	44	35	25
1.25	66	53	44	64	51	43	58	48	41	30
1.50	72	58	49	68	56	48	63	53	45	33
2.00	79	67	58	75	64	56	69	60	53	39
2.50	84	73	64	80	70	62	72	64	58	43
3.00	88	78	69	83	74	67	75	68	62	46
4.00	93	84	77	88	80	74	80	73	68	51
5.00	96	88	82	91	84	78	82	77	72	54
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:0.4040A P:89.90W PF:0.9670 Freq:50.01Hz Lamp Flux:8461.94x1 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



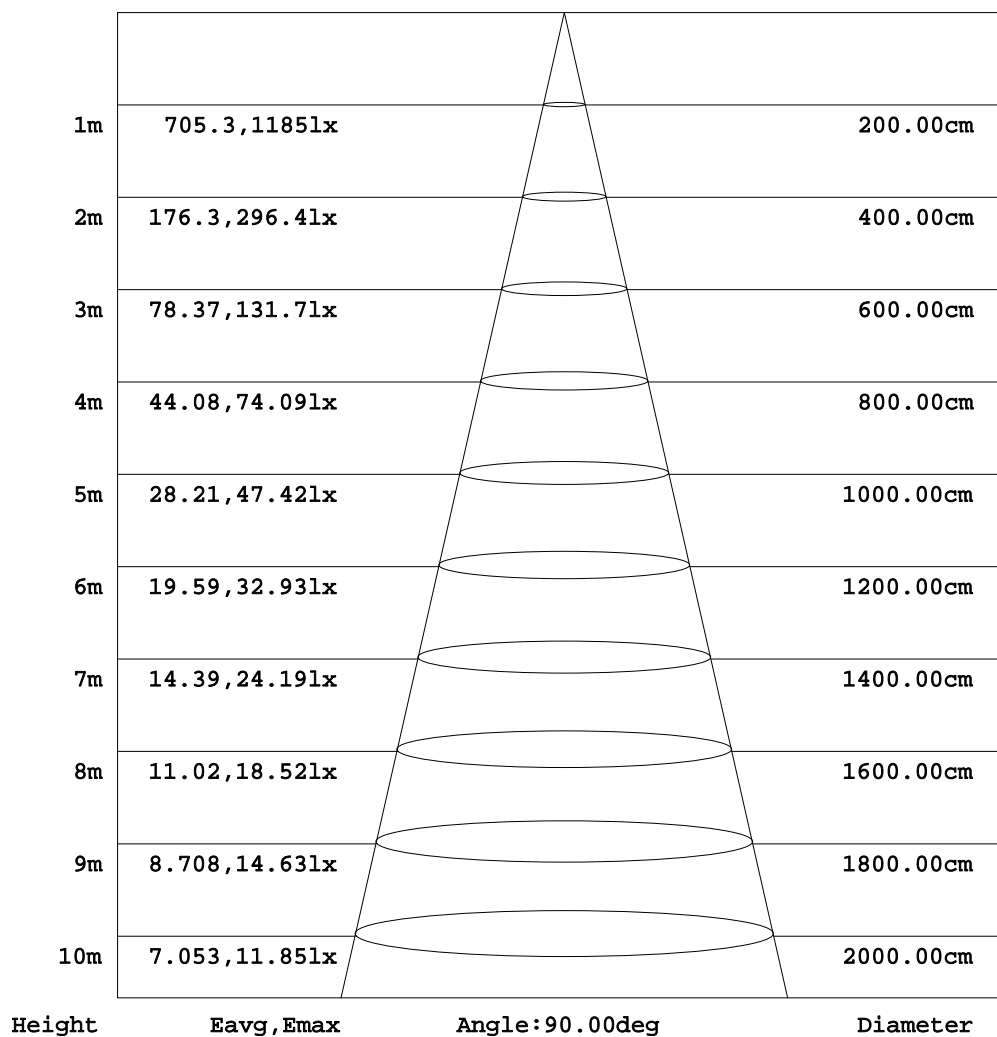
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:Seth
Test Date:2016-06-23

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:

AAI Figure

Test:U:230.1V I:0.4040A P:89.90W PF:0.9670 Freq:50.01Hz Lamp Flux:8461.94x1 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:2216 lm



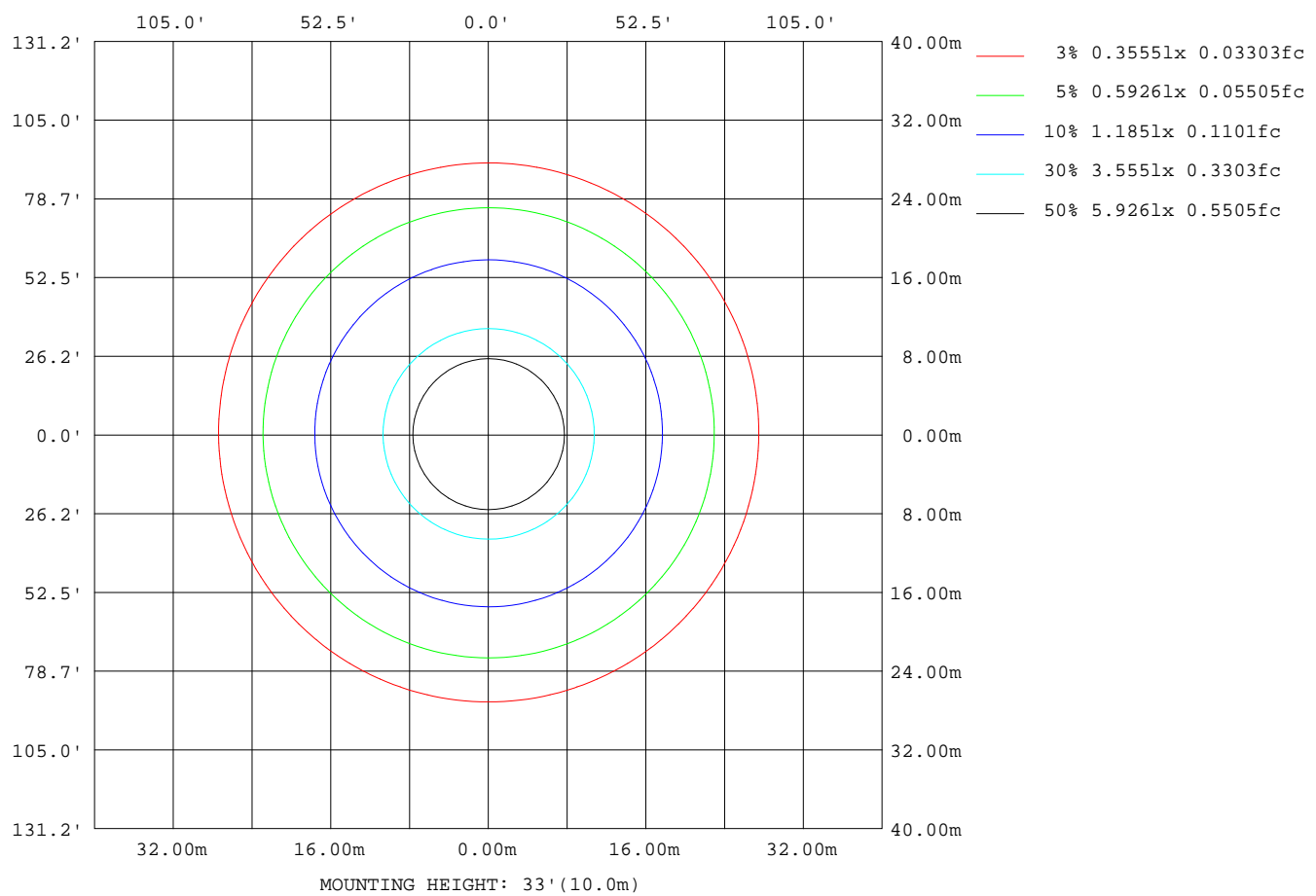
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

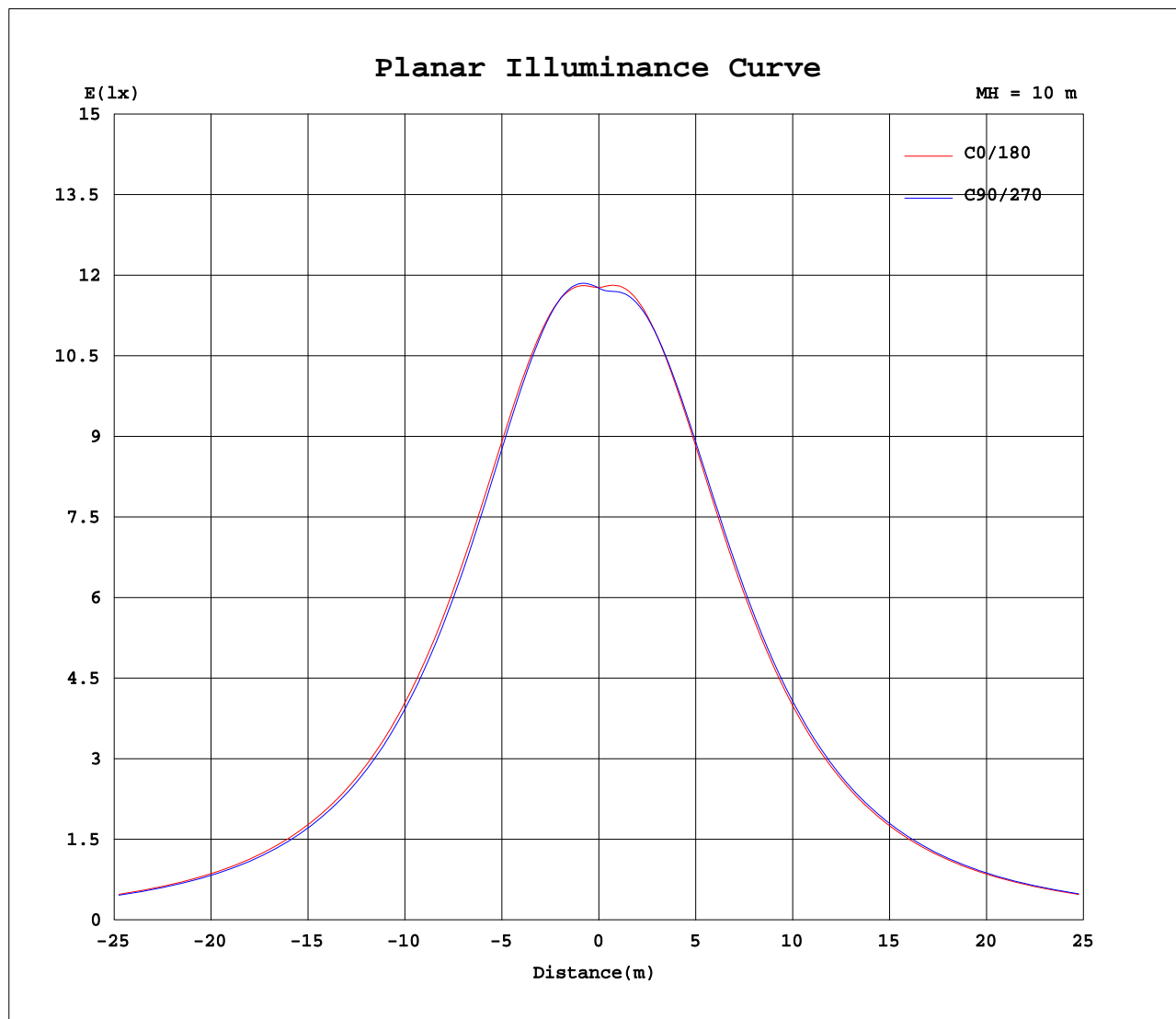
Test:U:230.1V I:0.4040A P:89.90W PF:0.9670 Freq:50.01Hz Lamp Flux:8461.94x1 lm		
NAME: LED Bulb	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Benory Industrial Co., LTD.	SUR.:	Shielding Angle:N/A



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

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:

Planar Illuminance Curve



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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.1V I:0.4040A P:89.90W PF:0.9670 Freq:50.01Hz Lamp Flux:8461.94x1 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	1178	1178	1177	1177	1176	1175	1176	1176	1178	1178	1177	1177	1176	1175	1176	1176			
5	1194	1197	1198	1199	1199	1197	1197	1195	1195	1192	1188	1185	1183	1182	1185	1188			
10	1219	1222	1222	1222	1221	1219	1220	1218	1218	1216	1212	1210	1210	1209	1211	1213			
15	1239	1240	1239	1237	1235	1233	1234	1234	1234	1233	1232	1232	1232	1232	1233	1234			
20	1249	1247	1244	1240	1238	1236	1237	1239	1240	1241	1241	1243	1245	1245	1245	1245			
25	1247	1243	1238	1233	1230	1228	1230	1233	1236	1238	1239	1243	1245	1246	1246	1245			
30	1234	1229	1221	1215	1211	1210	1213	1216	1221	1224	1227	1231	1235	1236	1236	1233			
35	1212	1205	1195	1188	1183	1183	1186	1190	1196	1201	1205	1210	1215	1216	1215	1212			
40	1180	1173	1162	1154	1149	1148	1153	1158	1165	1171	1176	1182	1186	1188	1186	1183			
45	1143	1134	1123	1114	1110	1109	1114	1120	1128	1135	1140	1147	1151	1153	1151	1147			
50	1100	1090	1078	1070	1065	1065	1070	1077	1086	1093	1099	1105	1110	1111	1110	1105			
55	1052	1042	1030	1021	1017	1017	1022	1029	1040	1047	1054	1060	1065	1065	1064	1058			
60	1000	990	978	970	966	966	971	978	990	998	1004	1011	1015	1016	1013	1008			
65	945	935	923	915	911	912	918	925	937	944	950	957	961	962	959	953			
70	888	878	866	859	855	856	861	869	881	888	895	901	905	905	902	896			
75	829	819	808	800	797	798	803	811	823	830	837	843	846	846	843	837			
80	769	759	749	742	739	740	745	752	765	772	778	784	787	786	783	777			
85	710	701	692	685	683	684	689	695	708	714	720	725	728	727	724	718			
90	654	646	637	632	630	630	635	641	652	658	664	668	670	669	666	661			
95	601	593	586	581	579	580	584	590	600	606	610	614	616	614	611	607			
100	551	544	537	533	531	532	536	542	551	556	560	563	564	563	560	556			
105	503	497	491	486	485	485	489	494	505	510	513	516	517	516	513	509			
110	457	452	446	442	440	441	444	449	460	464	468	470	471	470	467	464			
115	414	409	404	400	399	400	403	407	417	421	424	427	427	426	424	420			
120	374	369	364	361	359	360	363	367	376	380	384	386	387	386	383	380			
125	334	330	326	322	321	321	324	328	337	341	344	346	347	346	344	341			
130	297	292	288	285	283	283	286	290	299	302	306	308	308	308	305	303			
135	260	256	252	248	246	246	249	253	261	265	268	270	271	270	268	265			
140	224	220	216	212	210	210	213	216	224	228	232	234	235	234	233	230			
145	189	185	181	177	175	175	177	180	189	192	196	198	200	199	198	195			
150	154	150	146	142	140	139	141	145	153	156	160	162	164	164	163	161			
155	119	116	112	108	105	105	107	110	118	120	124	128	130	130	129	127			
160	83.3	82.3	78.9	75.3	72.6	72.0	73.6	76.8	84.7	86.3	90.0	93.8	96.1	97.2	96.6	94.7			
165	52.4	51.3	48.9	45.8	43.1	42.3	43.7	46.6	53.7	54.7	58.1	61.7	64.0	65.2	65.0	63.6			
170	28.0	26.4	24.3	22.2	20.0	19.2	20.0	22.2	27.3	27.8	30.8	33.8	36.1	37.0	37.0	35.9			
175	11.0	10.0	8.73	7.34	6.21	5.80	5.99	6.71	9.44	9.59	11.2	13.1	14.6	15.3	15.2	14.4			
180	4.20	4.00	4.20	4.32	4.52	4.39	4.12	4.19	4.26	4.26	4.26	4.32	4.24	4.38	4.38	4.29			

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