

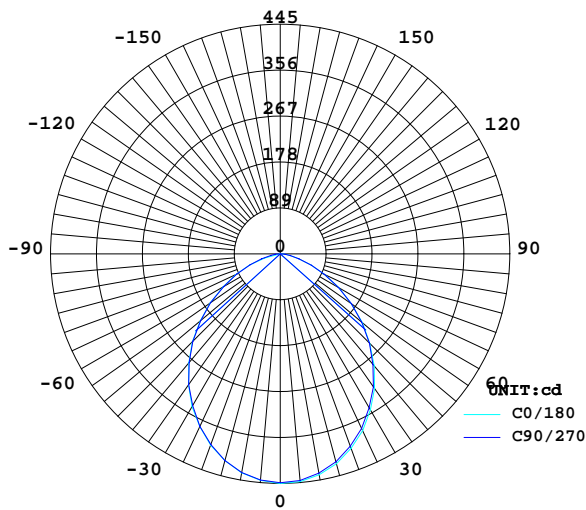
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

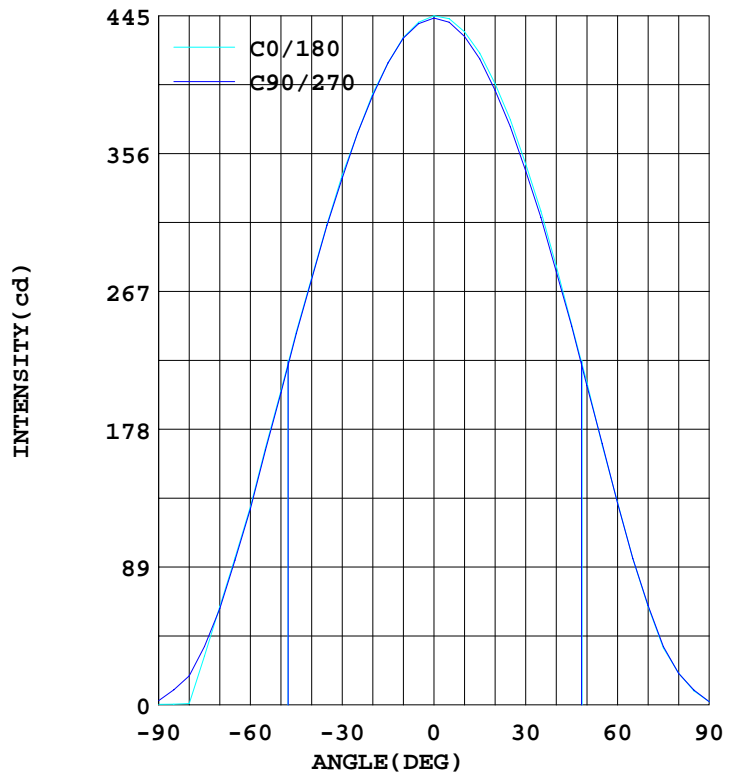
MANUFACTURER: Buddy Lighting	Address:Shenzhen, China	
NAME: down light	TYPE:	WEIGHT:
DIMENSION: 95	SPECIFICATION:	SERIAL No.:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	1205-13w-300lm	Imax(cd)	444.8	S/MH(C0/180)	1.15
NOMINAL POWER(W)	14	EFFICIENCY(%)	104.8	S/MH(C90/270)	1.15
RATED VOLTAGE(V)	218	TOTAL FLUX(lm)	1162.1	η UP(C0-180)	
NOMINAL FLUX(lm)	1108.4	CIE CLASS	DIRECT	η DN(C0-180)	
LAMPS INSIDE	1	η up(%)	0.0	η UP(C180-360)	
TEST VOLTAGE(V)	218.9	η down(%)	104.8	η DN(C180-360)	

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test:U:218.8V I:0.073A P:14.40W PF:0.904

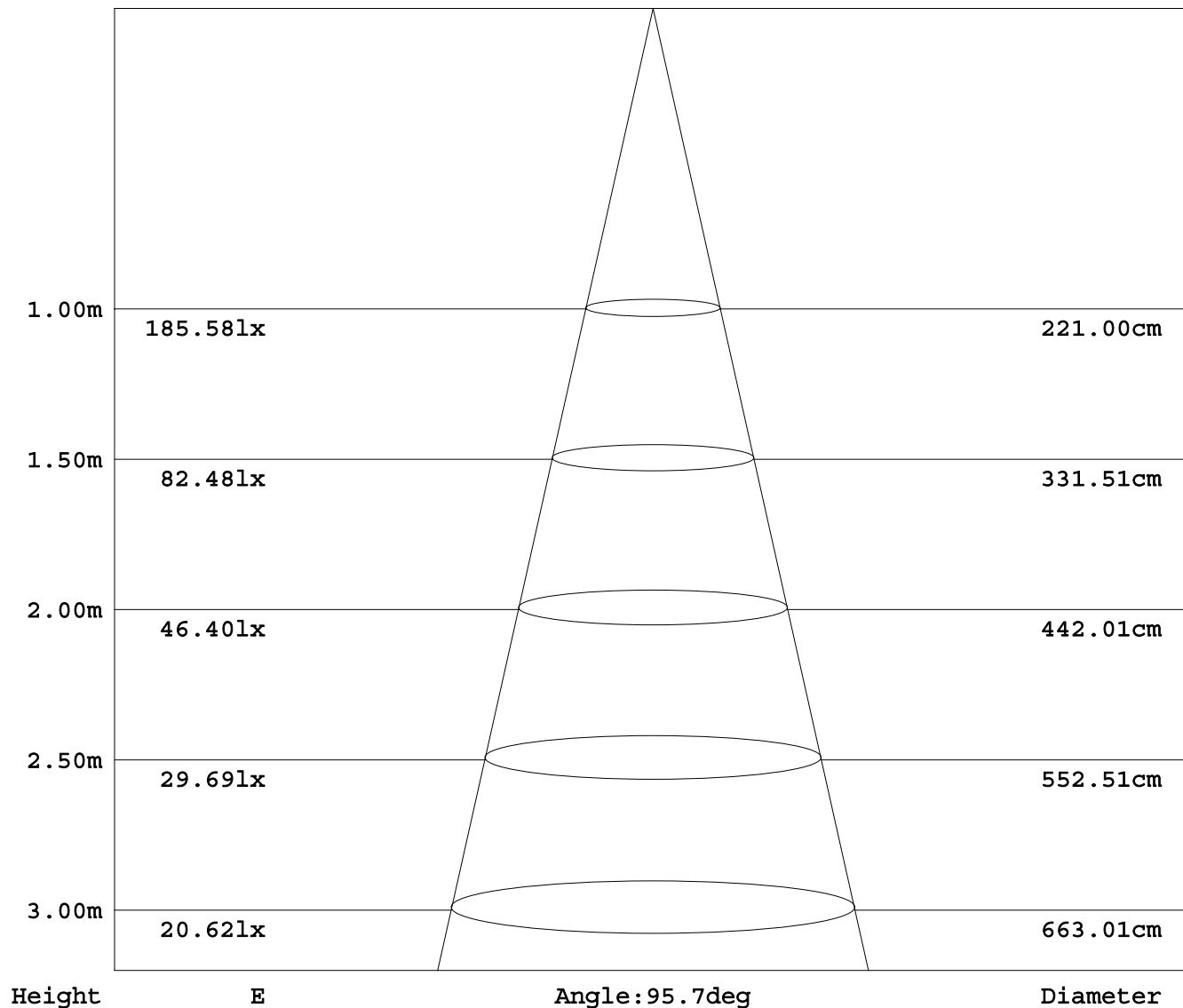
Test System:HONGPU HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2012年11月30日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:3.000 m
 Remarks:

AVERAGE E Figure

Report number:

MANUFACTURER: Buddy Lighting	Address:Shenzhen, China	
NAME: down light	TYPE:	WEIGHT:
DIMENSION: 95	SPECIFICATION:	SERIAL No.:



Test System:HONGPU HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2012年11月30日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:3.000 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: Buddy Lighting	Address:Shenzhen, China	
NAME: down light	TYPE:	WEIGHT:
DIMENSION: 95	SPECIFICATION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
10.0	430.7	432.7	430.3	427.9	434.4	431.2	431.4	431.5	0- 10	42	42
20.0	394.5	397.8	393.2	391.7	400.9	394.6	396.6	398.7	10- 20	118	160
30.0	341.7	346.3	339.7	338.3	349.1	338.9	344.7	346.6	20- 30	172	332
40.0	275.4	282.7	274.4	272.3	283.2	272.5	279.6	282.9	30- 40	197	529
50.0	202.7	210.4	201.4	198.2	208.3	197.8	206.1	209.7	40- 50	188	717
60.0	127.8	135.0	126.5	123.3	131.0	122.2	130.5	134.3	50- 60	149	866
70.0	63.51	67.99	62.10	59.00	63.73	58.31	64.36	68.20	60- 70	94	959
80.0	0.839	21.62	18.72	16.72	20.45	16.71	20.37	21.55	70- 80	39	998
90.0	0.413	3.430	2.780	1.623	2.043	1.786	1.968	3.741	80- 90	9	1008
100.0									90-100		
110.0									100-110		
120.0									110-120		
130.0									120-130		
140.0									130-140		
150.0									140-150		
160.0									150-160		
170.0									160-170		
180.0									170-180		
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

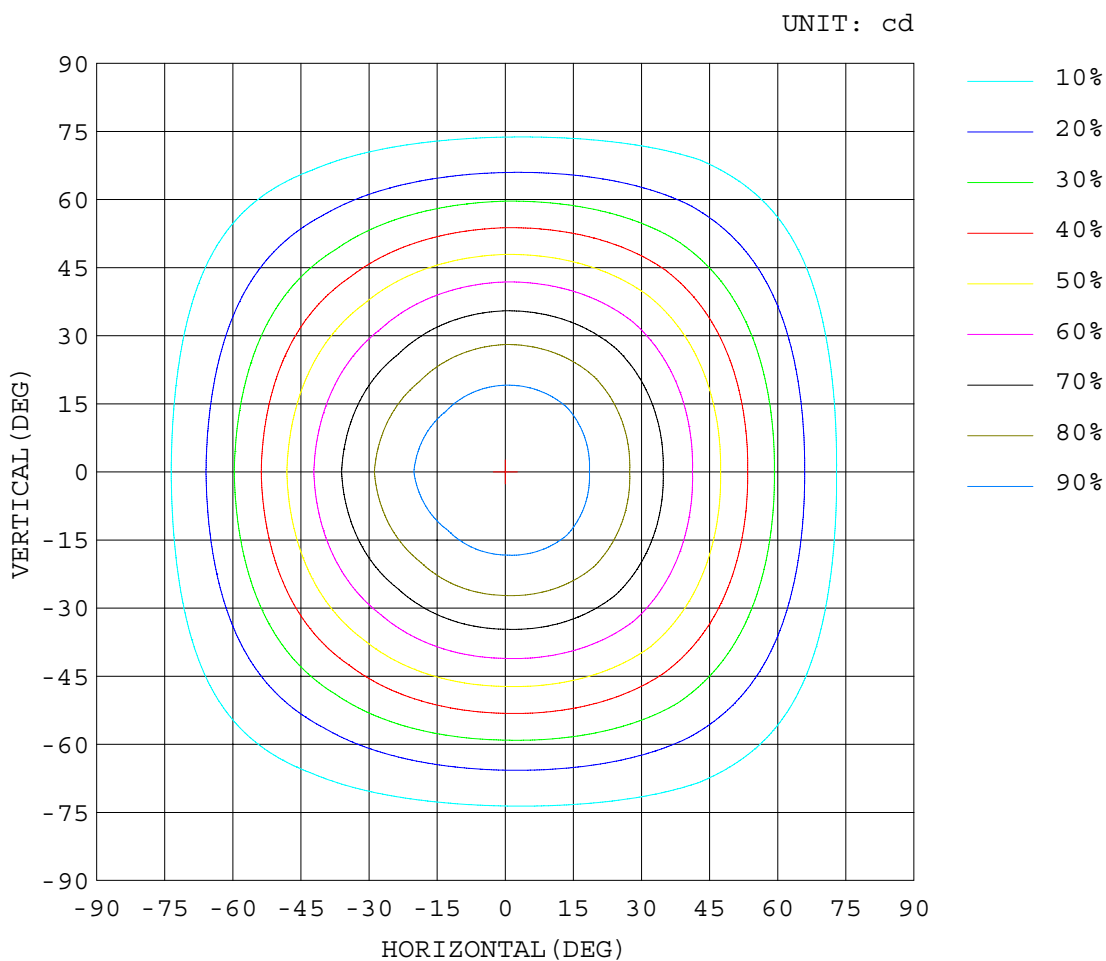
Test System:HONGPU HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2012年11月30日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:3.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Buddy Lighting	Address:Shenzhen, China	
NAME: down light	TYPE:	WEIGHT:
DIMENSION: 95	SPECIFICATION:	SERIAL No.:



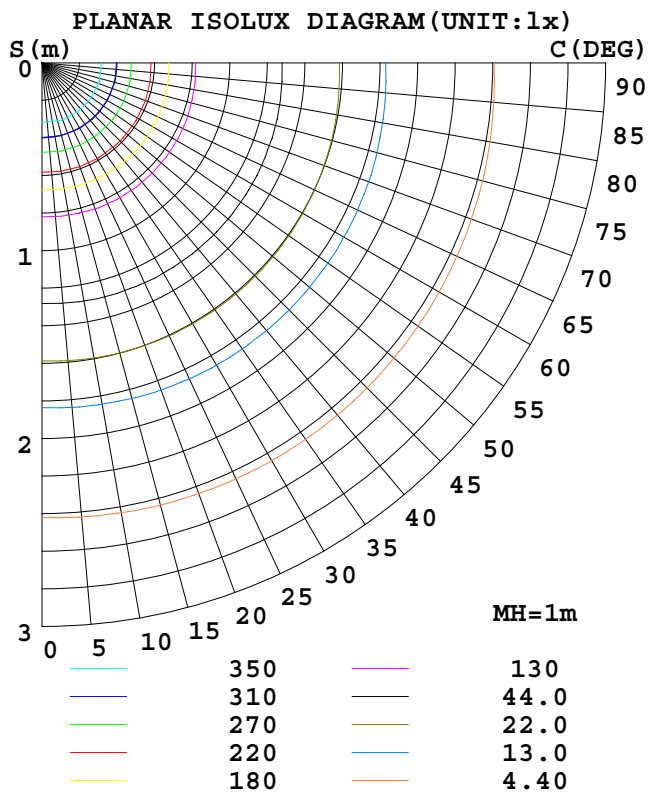
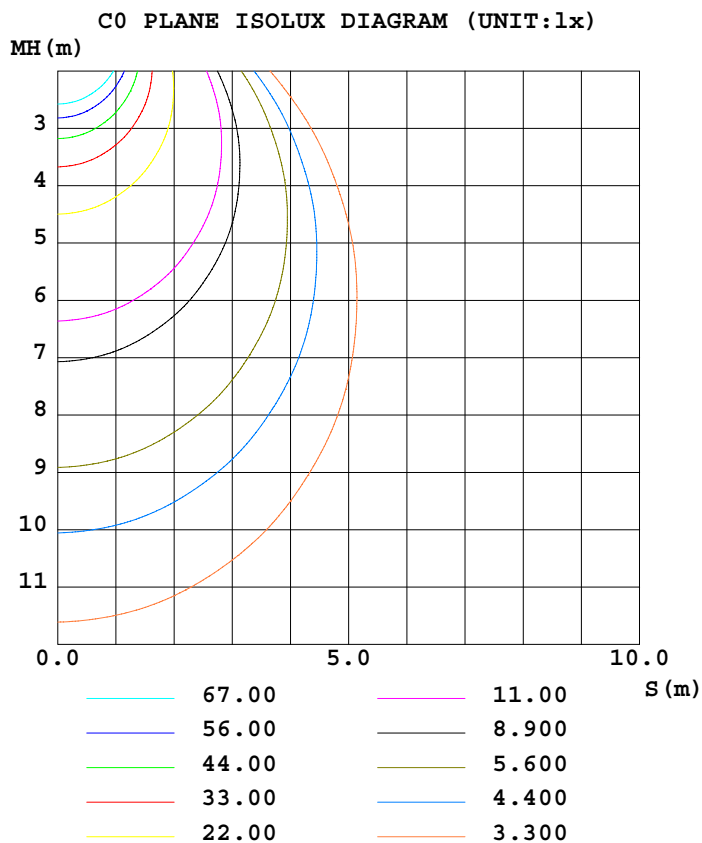
Test System:HONGPU HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2012年11月30日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:3.000 m
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Buddy Lighting	Address: Shenzhen, China	
NAME: down light	TYPE:	WEIGHT:
DIMENSION: 95	SPECIFICATION:	SERIAL No.:



Test System: HONGPU HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2012年11月30日

Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 3.000 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: Buddy Lighting		Address:Shenzhen, China	
NAME: down light		TYPE:	WEIGHT:
DIMENSION: 95		SPECIFICATION:	SERIAL No.:

UNIT: cd

C (DEG) \ γ (DEG)	0	45	90	135	180	225	270	315
0.0	445	445	443	442	445	445	443	442
5.0	441	442	440	438	443	441	441	440
10.0	431	433	430	428	434	431	431	432
15.0	414	418	414	413	421	415	417	417
20.0	395	398	393	392	401	395	397	399
25.0	369	375	369	368	378	369	373	375
30.0	342	346	340	338	349	339	345	347
35.0	310	317	309	308	319	308	315	317
40.0	275	283	274	272	283	273	280	283
45.0	241	249	240	237	245	237	245	248
50.0	203	210	201	198	208	198	206	210
55.0	166	171	165	159	168	161	169	173
60.0	128	135	127	123	131	122	131	134
65.0	94.8	98.6	93.4	88.1	94.5	89.2	94.6	101
70.0	63.5	67.9	62.1	59.0	63.7	58.3	64.3	68.2
75.0	31.4	40.7	37.6	33.6	36.7	34.3	37.6	42.1
80.0	0.84	21.6	18.7	16.7	20.4	16.7	20.3	21.5
85.0	0.43	10.5	9.74	8.22	9.03	8.86	9.57	11.0
90.0	0.41	3.43	2.78	1.62	2.04	1.78	1.96	3.74

Test System:HONGPU HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2012年11月30日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:3.000 m
 Remarks: