

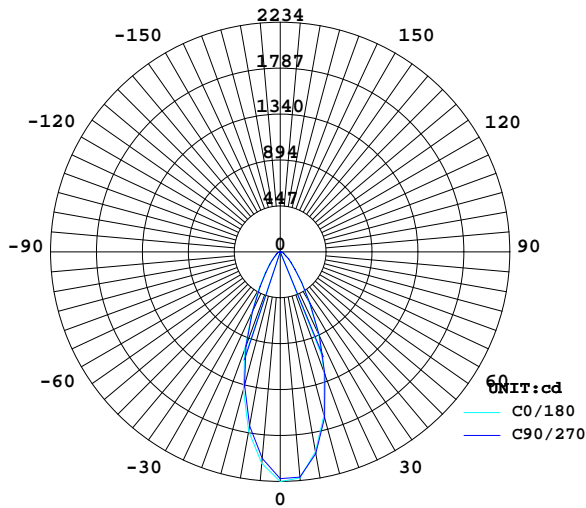
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

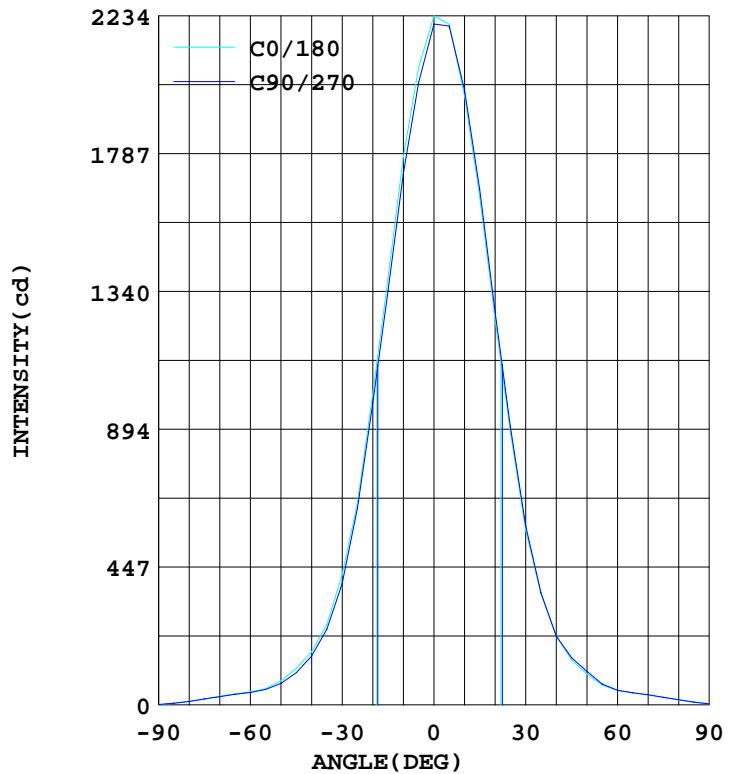
MANUFACTURER: Buddy Lighting	Address: Shenzhen Buddy Lighting	
NAME: down light	TYPE:	WEIGHT:
DIMENSION: 90	SPECIFICATION:	SERIAL No.:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	13w-3000k	I <sub>max</sub> (cd)	2234	S/MH(C0/180)	0.60
NOMINAL POWER(W)	14	EFFICIENCY(%)	119.1	S/MH(C90/270)	0.58
RATED VOLTAGE(V)	218	TOTAL FLUX(lm)	1398.8	η UP(C0-180)	
NOMINAL FLUX(lm)	1174.6	CIE CLASS	DIRECT	η DN(C0-180)	
LAMPS INSIDE	1	η up(%)	0.0	η UP(C180-360)	
TEST VOLTAGE(V)	218.8	η down(%)	119.1	η DN(C180-360)	

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test: U:218.8V I:0.072A P:14.30W PF:0.904

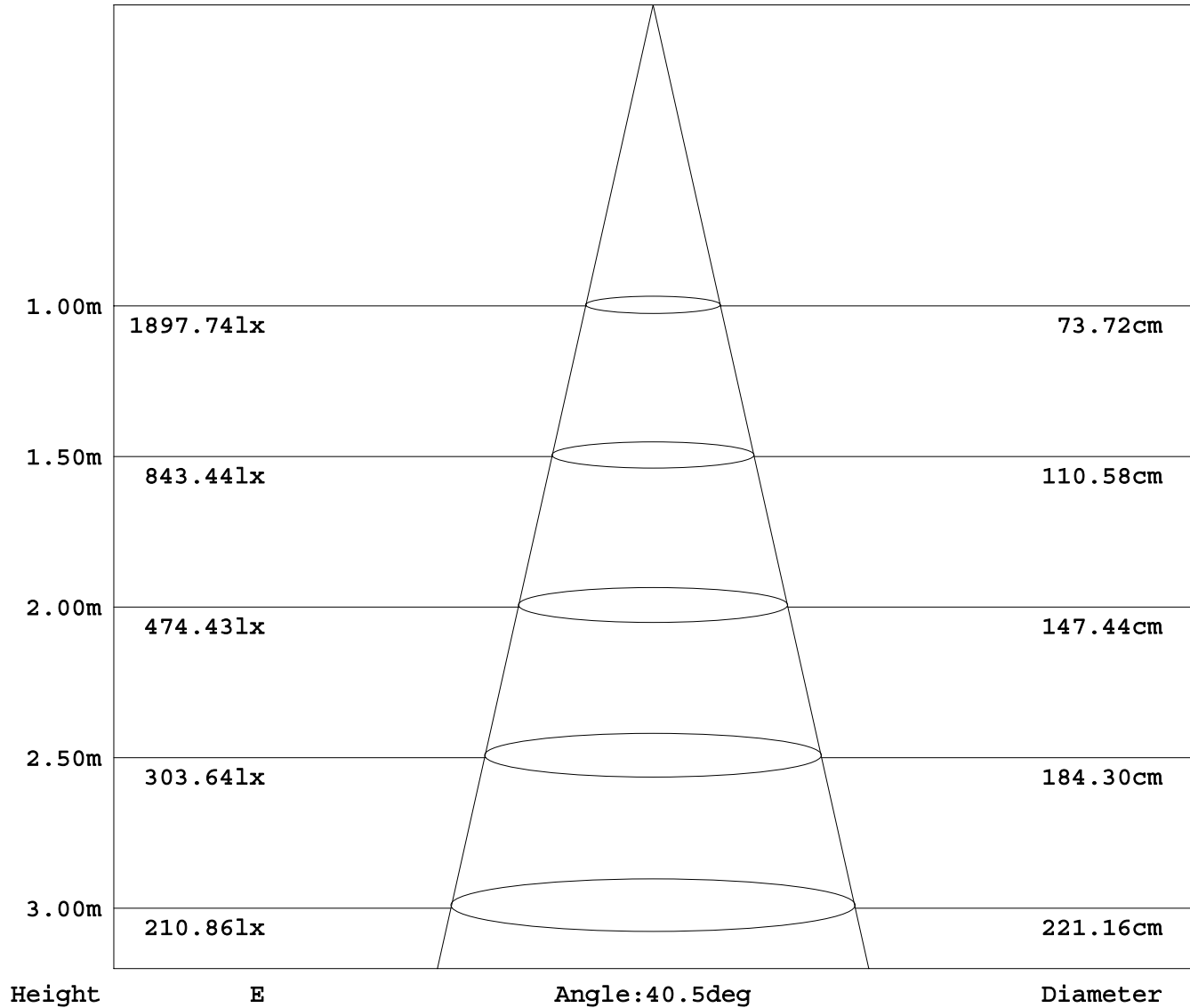
Test System: HONGPU HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2012年11月30日

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

AVERAGE E Figure

Report number:

MANUFACTURER: Buddy Lighting	Address:Shenzhen Buddy Lighting	
NAME: down light	TYPE:	WEIGHT:
DIMENSION: 90	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 Buddy Lighting	
NAME: down light	TYPE:	WEIGHT:
DIMENSION: 90	SPECIFICATION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
10.0	1774	1757	1720	1772	1974	1977	1992	1935	0- 10	203	203
20.0	1007	1003	975.3	1032	1249	1247	1273	1207	10- 20	428	630
30.0	421.6	421.8	392.3	439.5	566.1	563.6	580.1	537.7	20- 30	356	986
40.0	171.7	170.5	157.9	175.9	222.6	214.8	222.9	193.8	30- 40	192	1178
50.0	78.29	74.76	69.99	77.33	100.6	101.7	108.6	99.02	40- 50	100	1278
60.0	41.65	40.49	40.32	41.57	46.67	45.76	47.25	46.05	50- 60	52	1331
70.0	28.20	26.99	26.63	28.28	32.57	32.01	32.79	32.42	60- 70	37	1367
80.0	11.87	11.29	11.16	12.74	16.22	15.84	16.80	17.12	70- 80	24	1391
90.0	0.486	0.549	1.260	2.520	3.492	2.898	3.294	5.031	80- 90	8	1399
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	

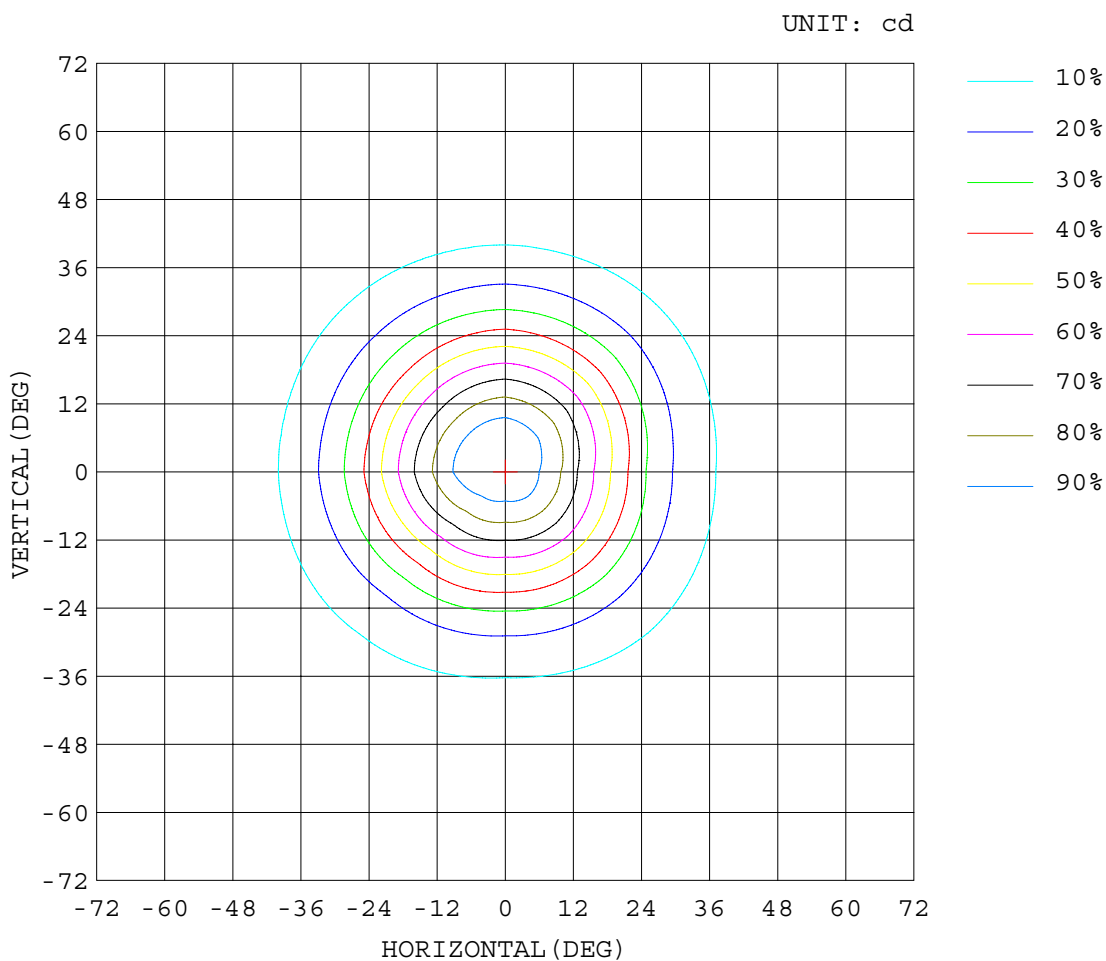
Test System:HONGPU HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2012年11月30日

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 Buddy Lighting	
NAME: down light	TYPE:	WEIGHT:
DIMENSION: 90	SPECIFICATION:	SERIAL No.:



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

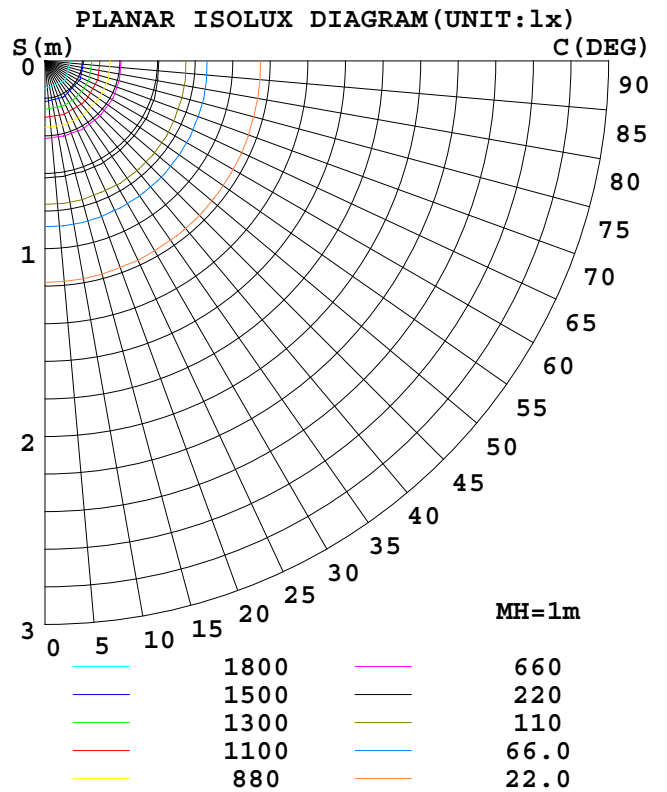
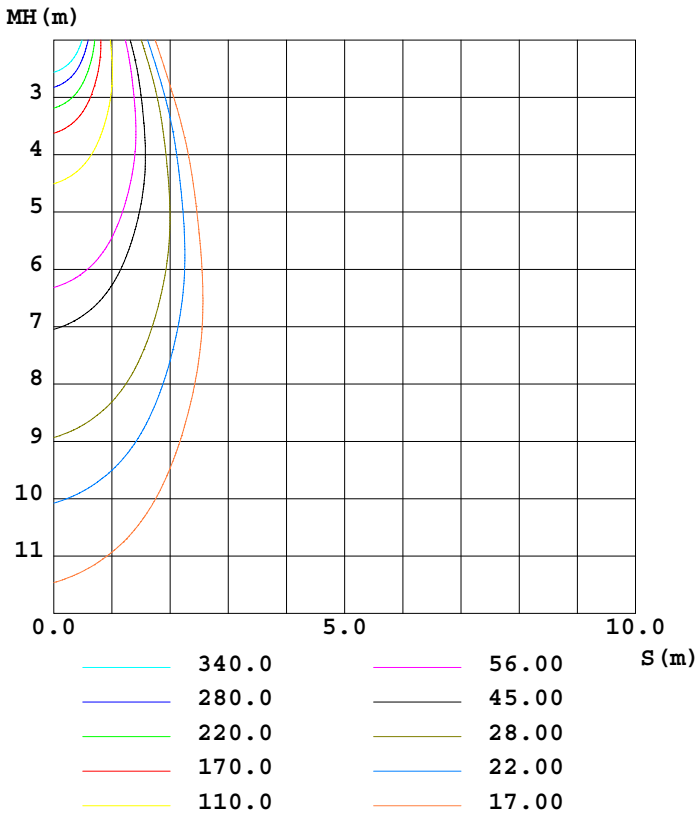
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:3.000 m  
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Buddy Lighting	Address: Shenzhen Buddy Lighting	
NAME: down light	TYPE:	WEIGHT:
DIMENSION: 90	SPECIFICATION:	SERIAL No.:

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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 Buddy Lighting	
NAME: down light		TYPE:	WEIGHT:
DIMENSION: 90		SPECIFICATION:	SERIAL No.:

UNIT: cd

γ (DEG)	C (DEG)							
	0	45	90	135	180	225	270	315
0.0	2234	2227	2207	2206	2234	2227	2207	2206
5.0	2067	2068	2017	2067	2207	2195	2200	2156
10.0	1774	1757	1720	1772	1974	1977	1992	1935
15.0	1383	1397	1342	1424	1646	1625	1670	1585
20.0	1007	1003	975	1032	1249	1247	1273	1207
25.0	655	679	638	702	885	861	902	826
30.0	422	422	392	440	566	564	580	538
35.0	261	266	246	277	360	346	364	328
40.0	172	171	158	176	223	215	223	194
45.0	118	110	104	112	145	147	153	141
50.0	78.2	74.7	69.9	77.3	101	102	109	99.0
55.0	52.8	50.5	50.2	52.7	64.3	64.9	67.8	64.1
60.0	41.6	40.4	40.3	41.5	46.6	45.7	47.2	46.0
65.0	35.6	34.0	34.2	35.1	39.2	39.0	39.3	39.4
70.0	28.2	26.9	26.6	28.2	32.5	32.0	32.7	32.4
75.0	19.1	19.0	19.2	20.6	24.6	24.1	24.5	26.2
80.0	11.8	11.2	11.1	12.7	16.2	15.8	16.8	17.1
85.0	5.59	4.95	5.37	6.70	8.60	8.40	8.91	10.0
90.0	0.49	0.55	1.26	2.52	3.49	2.89	3.29	5.03

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