

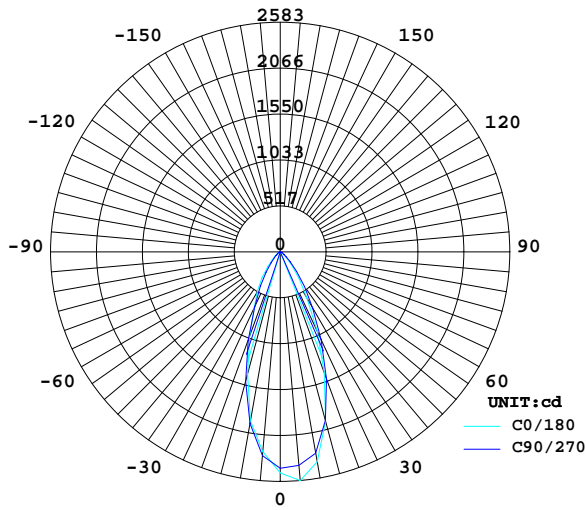
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

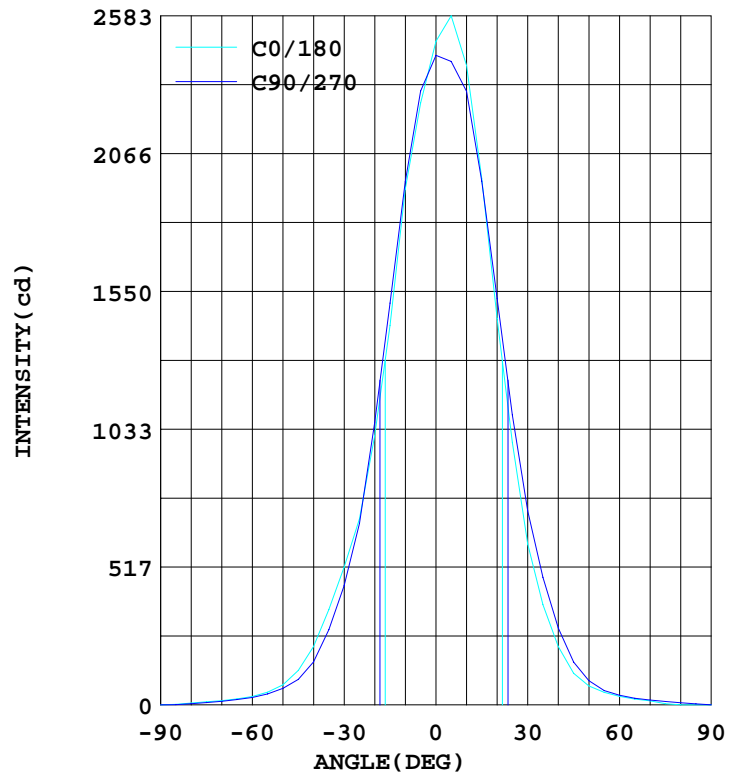
MANUFACTURER: Buddy Lighting	Address: Shenzhen, China	
NAME: 15W Sharp LED down lights	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: cutout:78mm SERIAL No.:	

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		I <sub>max</sub> (cd)	2583	S/MH(C0/180)	0.55
NOMINAL POWER(W)	15	EFFICIENCY(%)	105.3	S/MH(C90/270)	0.59
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1269.5	Voltage(V)	219.3
NOMINAL FLUX(lm)	1205.8	EFFICIENCY(lm/W)	85.7	Current(A)	0.075
LAMPS QUANTITY	1	η up(%)	0.0	Power(W)	14.82
TEST VOLTAGE(V)	219.4	η down(%)	105.3	Power Factor(PF)	0.900

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



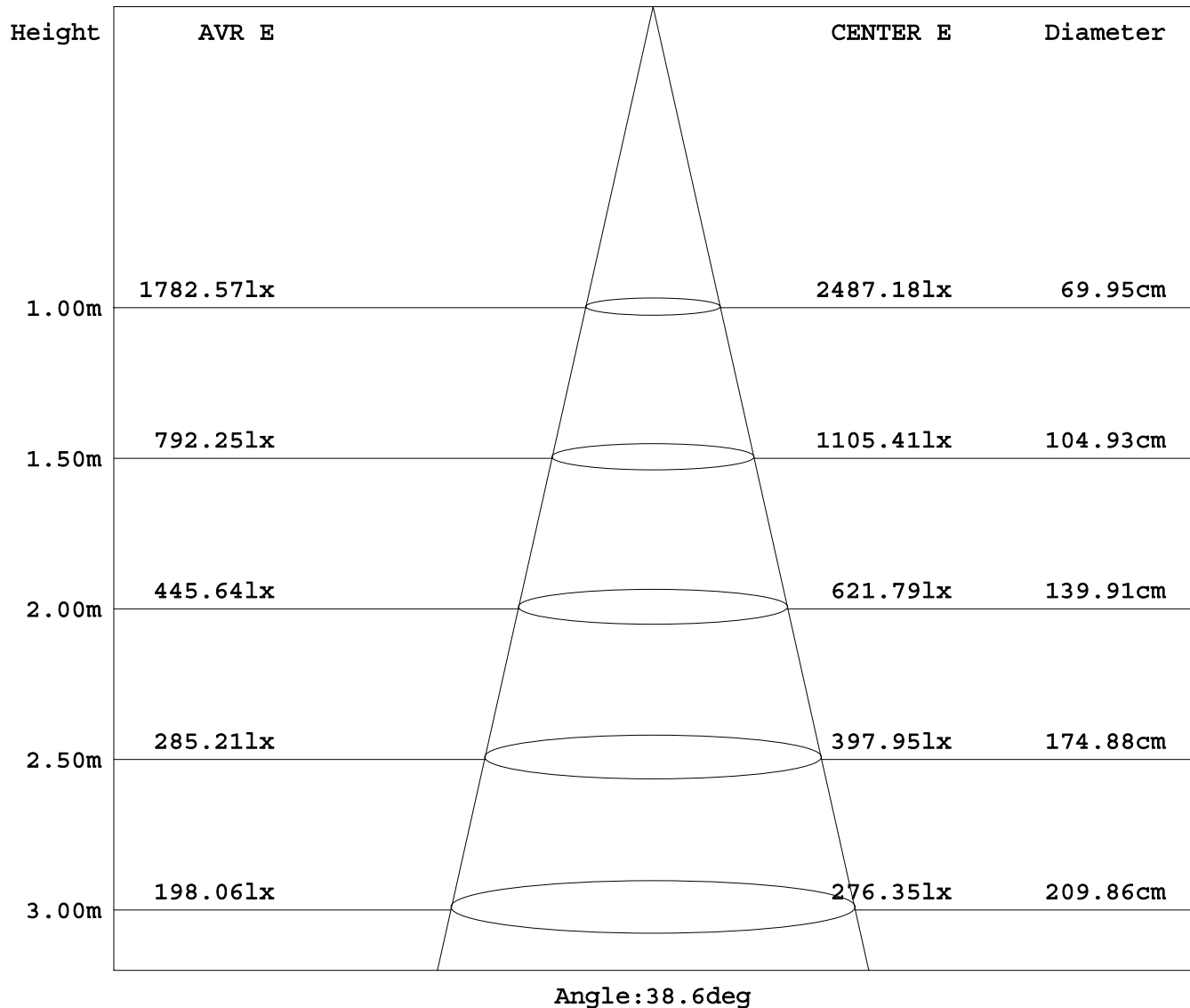
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:CY King  
 Test Date:2012年12月13日

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

AVERAGE E Figure

Report number:

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HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: Buddy Lighting	Address: Shenzhen, China	
NAME: 15W Sharp LED down lights	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: cutout:78mm SERIAL No.:	

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
10.0	1933	1904	1961	2135	2397	2388	2299	2112	0- 10	210	210
20.0	1009	1023	1058	1221	1449	1505	1523	1277	10- 20	411	621
30.0	515.9	487.7	446.4	486.7	603.4	652.3	727.4	633.8	20- 30	324	945
40.0	218.6	200.4	161.1	165.6	218.3	234.6	288.0	283.2	30- 40	183	1128
50.0	75.37	71.35	61.81	58.40	71.26	76.74	90.96	94.38	40- 50	77	1206
60.0	31.50	29.87	27.78	25.84	32.31	34.36	36.46	37.45	50- 60	36	1241
70.0	16.11	14.39	13.79	12.91	15.43	17.43	18.23	19.14	60- 70	19	1260
80.0	6.791	3.687	4.445	4.235	0.432	7.491	8.308	6.943	70- 80	8	1268
90.0	0.583	0.315	0.537	0.362	0.572	0.712	0.408	0.630	80- 90	1	1270
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	

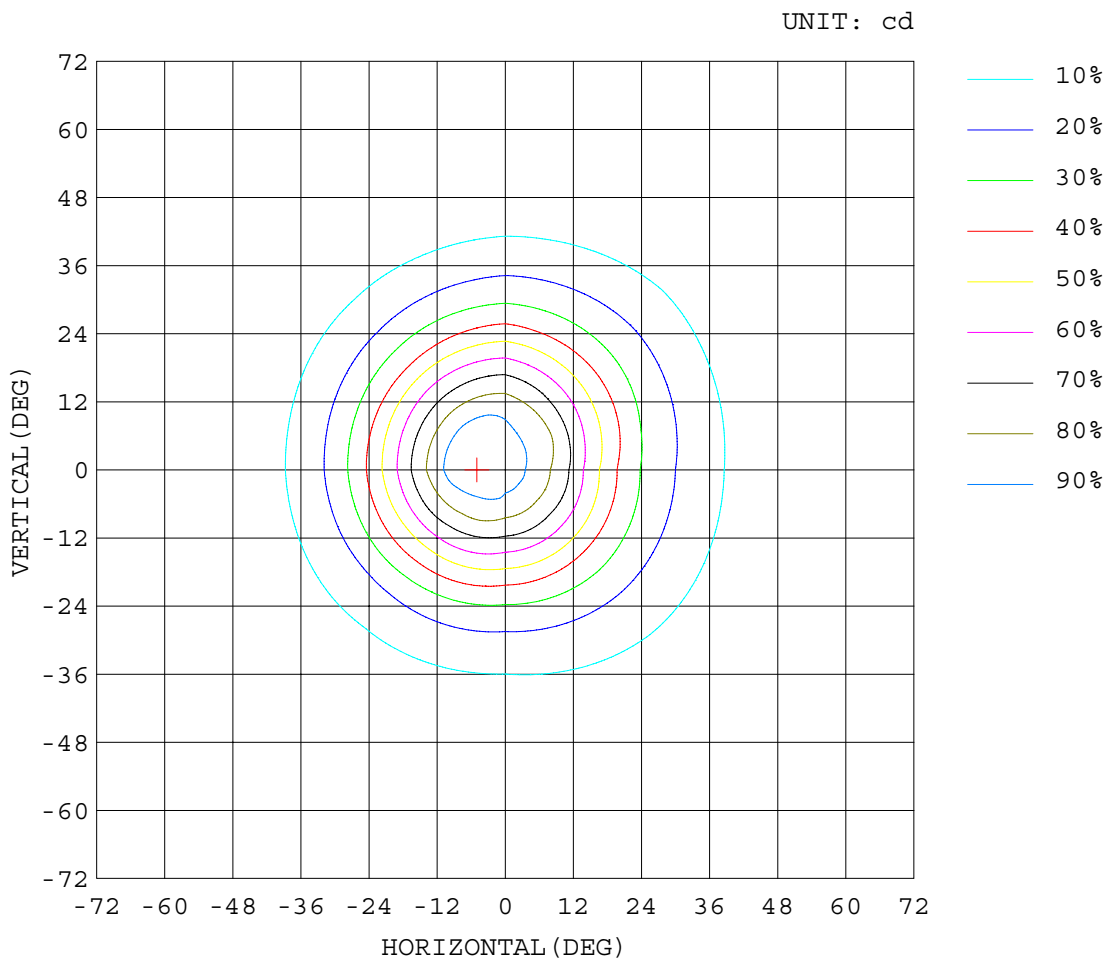
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:CY King  
 Test Date:2012年12月13日

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 Remarks:

ISOCANDELA DIAGRAM

Report number:

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SPECIFICATION:	DIMENSION: cutout:78mm SERIAL No.:	



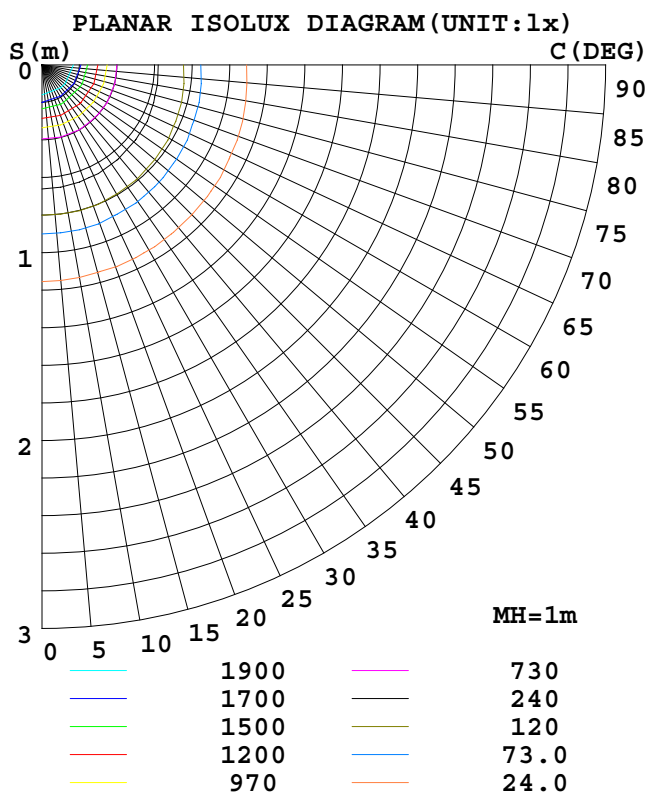
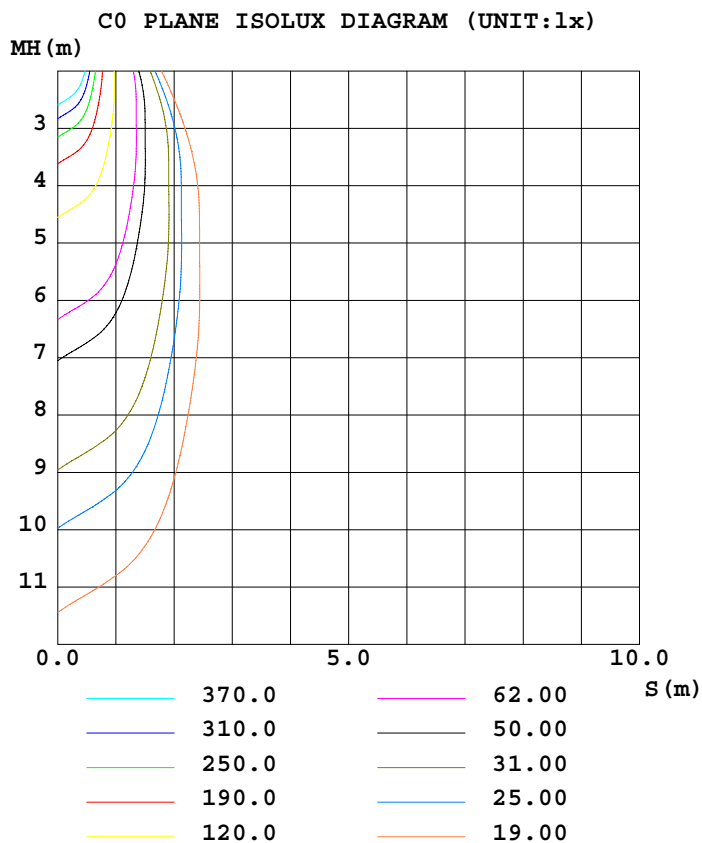
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 Operators: CY King  
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 Remarks:

ISOLUX DIAGRAM

Report number:

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HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

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MANUFACTURER: Buddy Lighting		Address: Shenzhen, China	
NAME: 15W Sharp LED down lights		TYPE:	WEIGHT:
SPECIFICATION:		DIMENSION: cutout:78mm SERIAL No.:	

UNIT: cd

C (DEG) \ γ (DEG)	0	45	90	135	180	225	270	315
0.0	2487	2444	2434	2468	2487	2444	2434	2468
5.0	2256	2269	2301	2427	2583	2512	2412	2326
10.0	1933	1904	1961	2135	2397	2388	2299	2112
15.0	1422	1455	1506	1717	1973	1974	1963	1688
20.0	1009	1023	1058	1221	1449	1505	1523	1277
25.0	698	715	680	808	984	1008	1087	896
30.0	516	488	446	487	603	652	727	634
35.0	358	338	282	301	376	394	478	447
40.0	219	200	161	166	218	235	288	283
45.0	129	115	95.9	93.1	119	136	161	167
50.0	75.3	71.3	61.8	58.4	71.2	76.7	90.9	94.3
55.0	47.7	44.6	40.9	38.5	47.2	51.6	53.7	57.7
60.0	31.5	29.8	27.7	25.8	32.3	34.3	36.4	37.4
65.0	22.6	20.5	19.9	18.1	21.7	24.5	25.0	26.6
70.0	16.1	14.3	13.7	12.9	15.4	17.4	18.2	19.1
75.0	11.4	8.78	8.82	8.11	4.42	12.3	12.8	13.3
80.0	6.79	3.68	4.44	4.23	0.43	7.49	8.30	6.94
85.0	2.32	0.32	0.79	0.74	0.46	3.34	4.03	1.84
90.0	0.58	0.32	0.54	0.36	0.57	0.71	0.41	0.63

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