

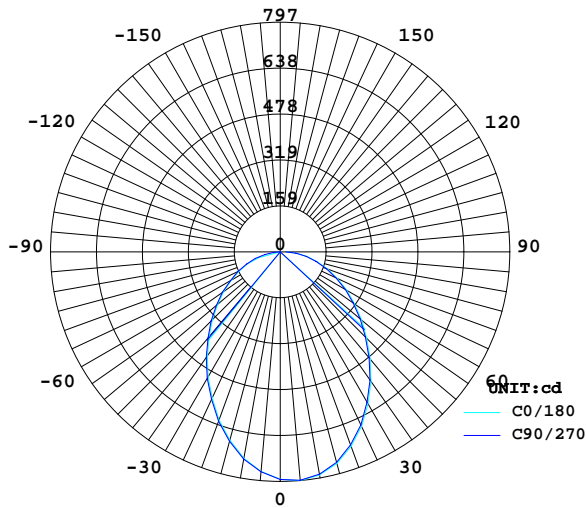
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

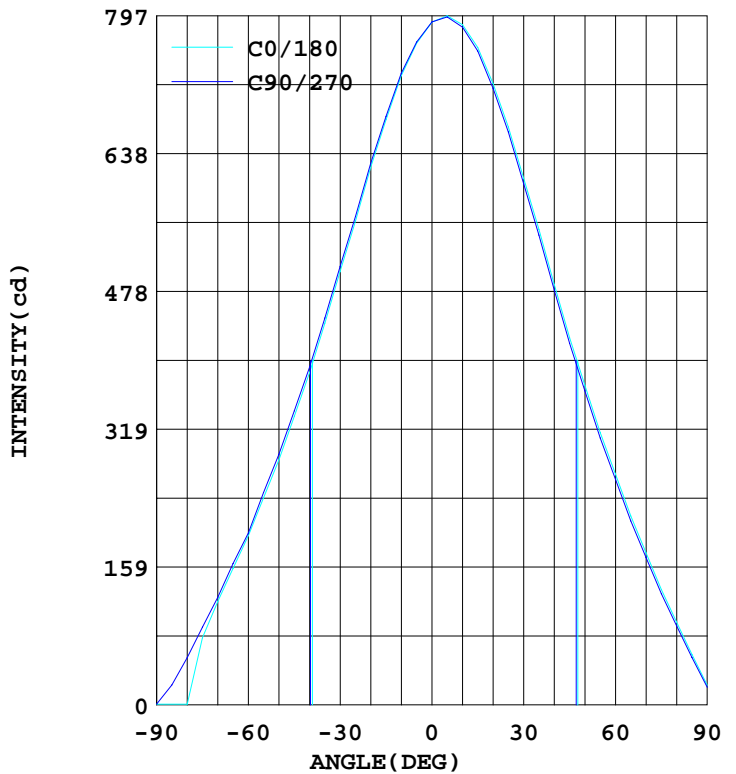
MANUFACTURER:	Address:	
NAME: down light	TYPE:	WEIGHT:
DIMENSION: 140	SPECIFICATION:	SERIAL No.:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	sharp-23w-30lm	797.3	S/MH(C0/180)	0.98	
NOMINAL POWER(W)	23	EFFICIENCY(%)	109.0	S/MH(C90/270)	0.99
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1757.3	η UP(C0-180)	
NOMINAL FLUX(lm)	1612.9	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(%)	109.0	η DN(C180-360)	

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test:U:218.8V I:0.111A P:23.00W PF:0.859

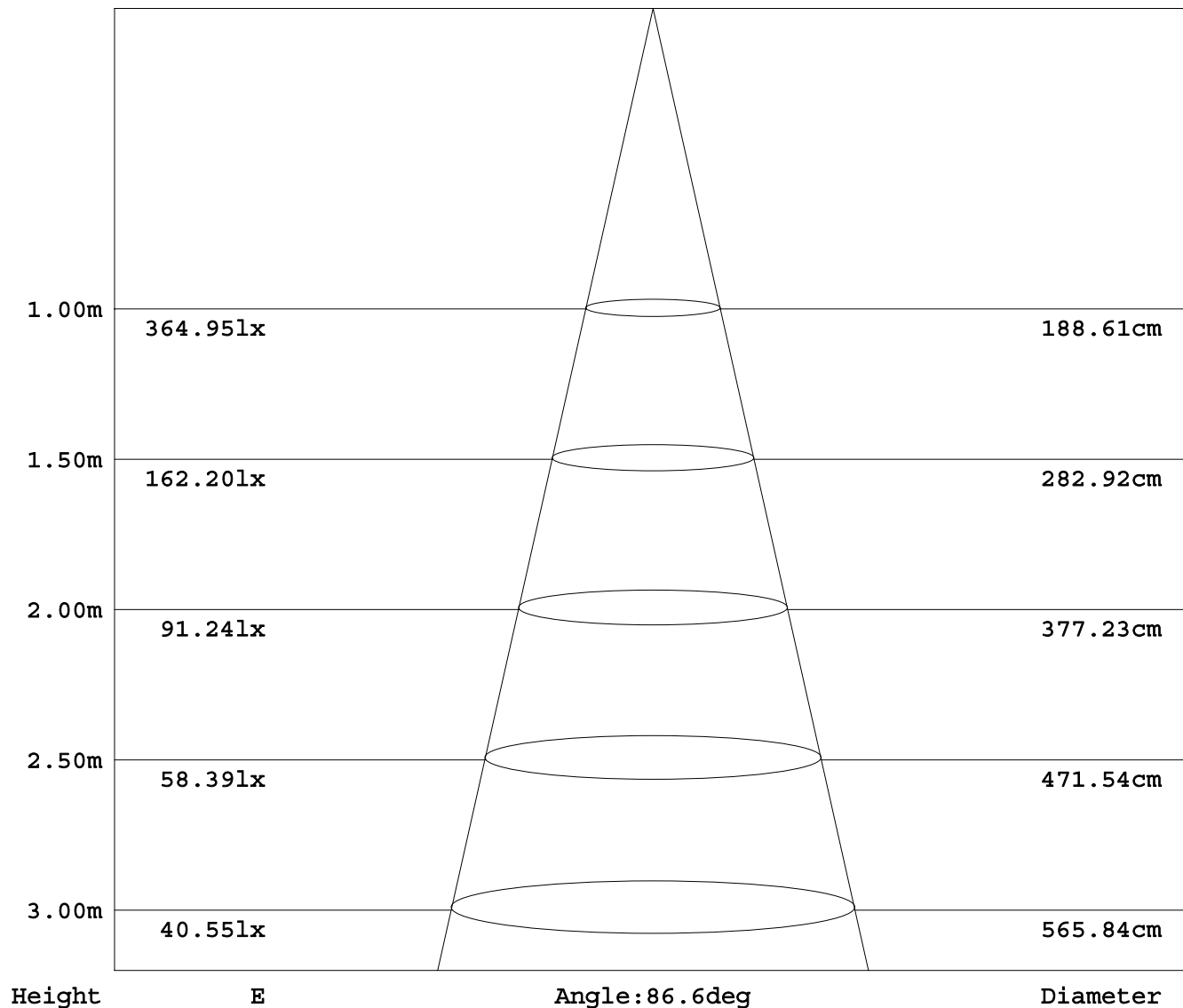
Test System:HONGPU HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2012年11月30日

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

AVERAGE E Figure

Report number:

MANUFACTURER:	Address:	
NAME: down light	TYPE:	WEIGHT:
DIMENSION: 140	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:	Address:	
NAME: down light	TYPE:	WEIGHT:
DIMENSION: 140	SPECIFICATION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
10.0	728.0	728.7	730.8	745.1	786.9	786.9	784.0	775.8	0- 10	75	75
20.0	621.8	622.7	626.5	645.8	718.5	717.8	713.3	696.3	10- 20	204	279
30.0	501.6	503.6	507.2	527.0	609.2	603.7	602.8	583.0	20- 30	284	563
40.0	384.4	390.3	390.6	410.3	486.4	480.8	479.8	458.6	30- 40	311	874
50.0	283.6	289.5	290.0	304.8	369.8	363.4	363.3	345.9	40- 50	294	1168
60.0	195.7	202.0	198.9	212.7	267.2	260.3	261.2	247.7	50- 60	249	1417
70.0	119.7	125.1	124.5	132.0	175.9	170.0	170.6	161.4	60- 70	186	1603
80.0	0.855	55.64	54.76	59.31	95.91	90.52	91.64	85.04	70- 80	114	1718
90.0	0.891	0.621	0.999	0.684	22.66	22.07	20.25	19.73	80- 90	40	1757
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	

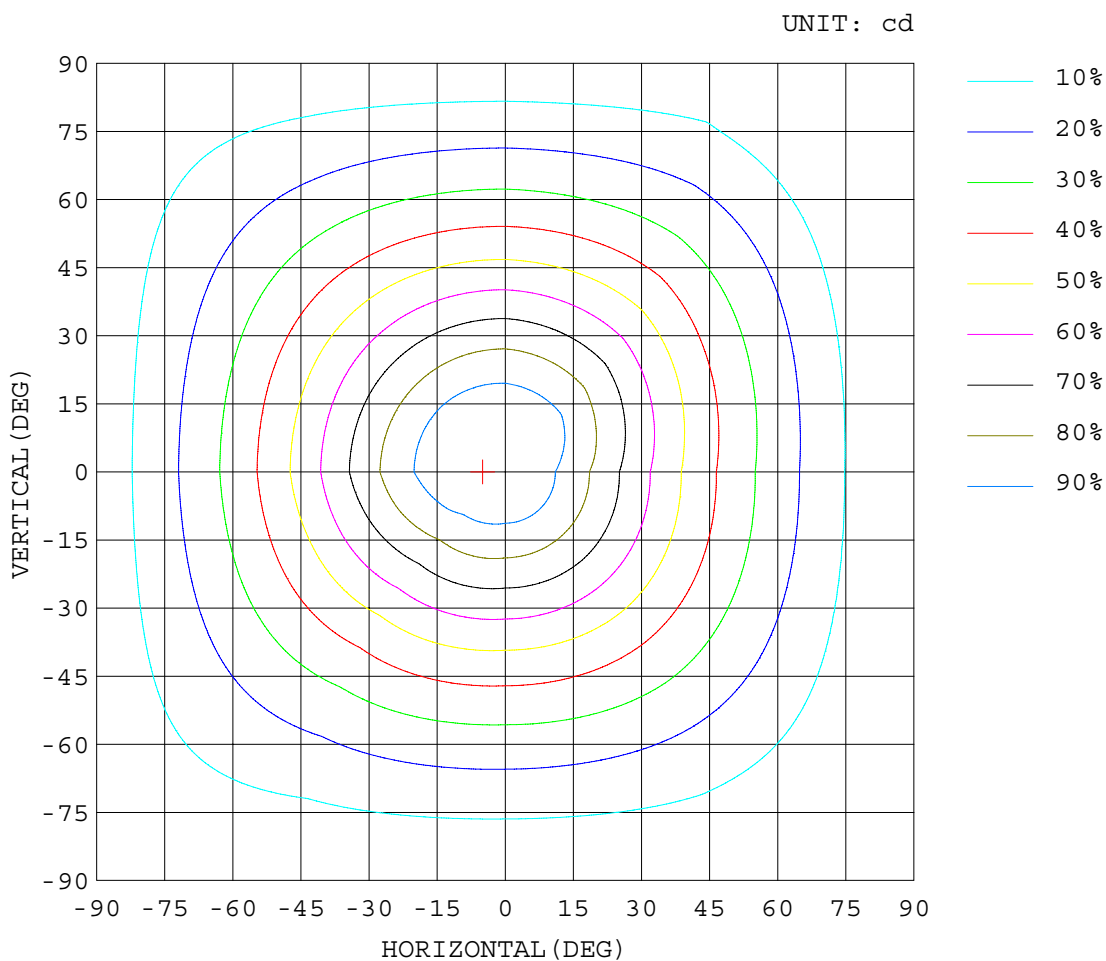
Test System:HONGPU HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2012年11月30日

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

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: down light	TYPE:	WEIGHT:
DIMENSION: 140	SPECIFICATION:	SERIAL No.:



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

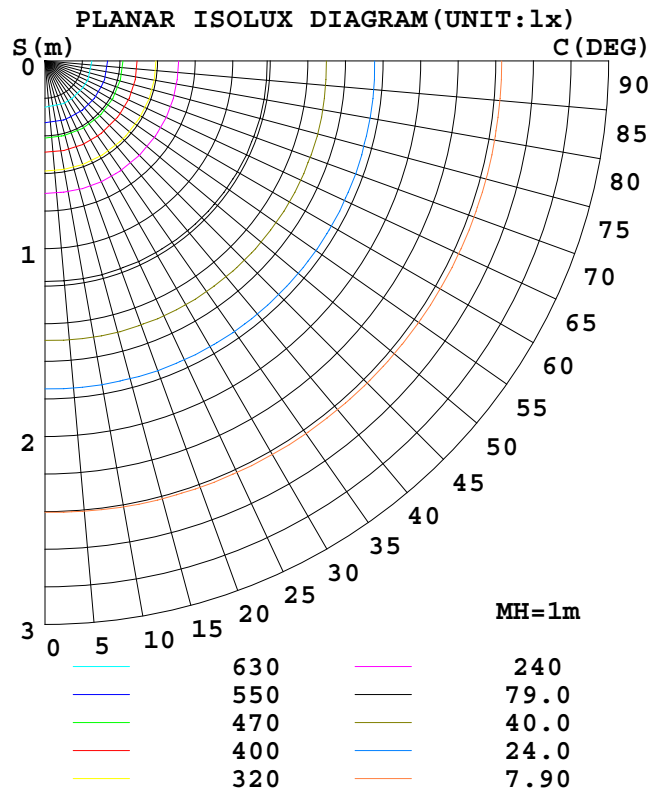
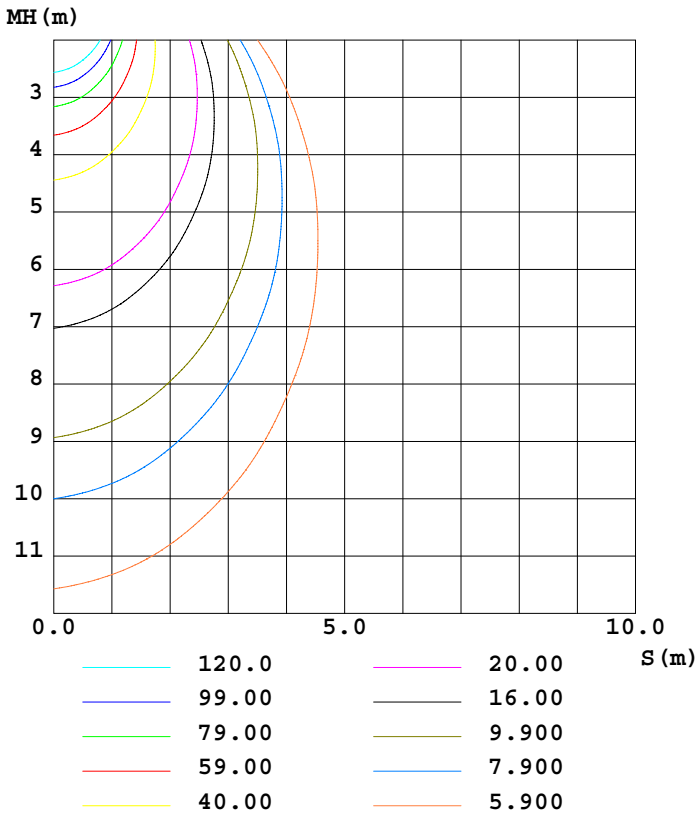
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:3.000 m
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: down light	TYPE:	WEIGHT:
DIMENSION: 140	SPECIFICATION:	SERIAL No.:

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	Address:	
NAME: down light	TYPE:	WEIGHT:
DIMENSION: 140	SPECIFICATION:	SERIAL No.:

UNIT: cd

γ (DEG)	C (DEG)							
	0	45	90	135	180	225	270	315
0.0	790	790	790	794	790	790	790	794
5.0	765	768	767	778	797	797	796	793
10.0	728	729	731	745	787	787	784	776
15.0	677	681	681	701	761	758	757	741
20.0	622	623	627	646	719	718	713	696
25.0	560	565	565	589	669	664	663	640
30.0	502	504	507	527	609	604	603	583
35.0	442	447	448	470	550	545	544	521
40.0	384	390	391	410	486	481	480	459
45.0	334	340	340	354	425	422	418	402
50.0	284	290	290	305	370	363	363	346
55.0	240	246	246	256	315	312	309	296
60.0	196	202	199	213	267	260	261	248
65.0	158	161	163	170	219	216	213	199
70.0	120	125	125	132	176	170	171	161
75.0	77.6	88.5	89.9	93.6	133	130	129	123
80.0	0.86	55.6	54.7	59.3	95.9	90.5	91.6	85.0
85.0	0.77	22.8	23.1	25.1	58.3	55.3	54.9	51.3
90.0	0.89	0.62	1.00	0.68	22.6	22.0	20.2	19.7

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: