

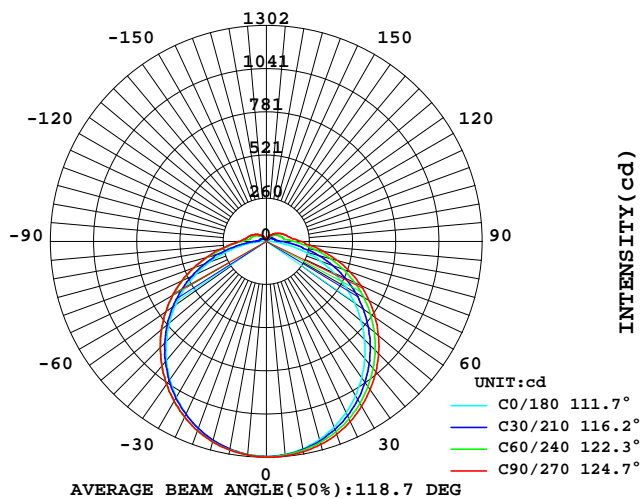
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

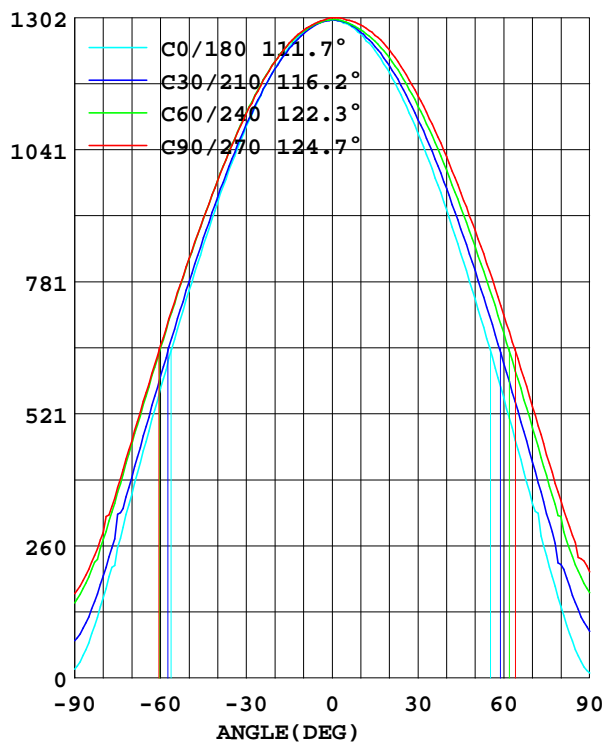
MANUFACTURER:		
Address:		
NAME: 120° 32W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500X65mm	SERIAL No.:

DATA OF LAMP		I <sub>max</sub> (cd)	1302	S/MH(C0/180)	1.24
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.27
NOMINAL POWER(W)	32	TOTAL FLUX(lm)	4405.0	Voltage(V)	230.1
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	136.4	Current(A)	0.148
NOMINAL FLUX(lm)	4405.1	h up(%)	7.5	Power(W)	32.29
LAMPS QUANTITY	1	h down(%)	92.5	Power Factor(PF)	0.943
TEST VOLTAGE(V)	230.2	Effective Flux(lm)	4097.9	EEI	0.107

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2018年08月08日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:11.000 m  
Remarks:

Color Temperature Data List

Report number:

MANUFACTURER:		
Address:		
NAME: 120° 32W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500X65mm	SERIAL No.:

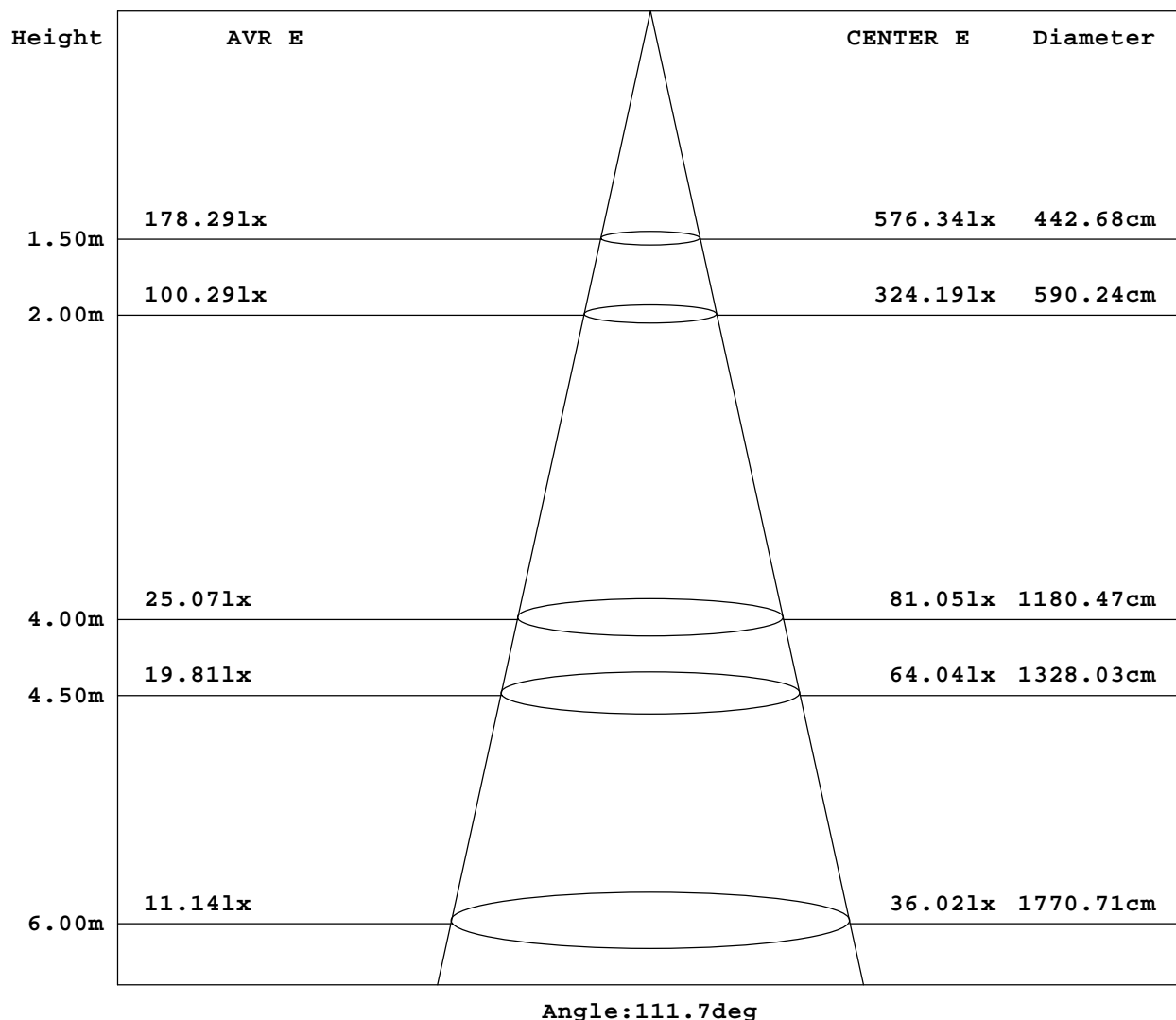
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2018年08月08日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:11.000 m  
Remarks:

### AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:		
Address:		
NAME: 120° 32W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500X65mm	SERIAL No.:



Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2018年08月08日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 11.000 m  
 Remarks:

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 120° 32W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500X65mm	SERIAL No.:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	zone	tStal
5.0	1292	1290	1293	1290	1290	1292	1297	1295	0- 5	30.96	30.96
10.0	1273	1273	1277	1270	1270	1275	1287	1281	5- 10	91.83	122.7
15.0	1244	1246	1252	1240	1237	1250	1267	1255	10- 15	149.7	272.5
20.0	1201	1208	1214	1201	1194	1215	1238	1223	15- 20	202.7	475.2
25.0	1148	1159	1167	1150	1139	1170	1198	1178	20- 25	249.1	724.3
30.0	1087	1103	1112	1093	1074	1114	1148	1123	25- 30	287.4	1012
35.0	1016	1037	1050	1026	1004	1054	1092	1063	30- 35	316.6	1328
40.0	936.0	963.2	979.6	951.2	922.9	982.8	1028	992.7	35- 40	335.9	1664
45.0	853.8	886.5	906.2	874.2	836.2	906.1	956.6	915.6	40- 45	345.1	2010
50.0	763.0	802.5	826.0	788.3	747.6	827.6	883.0	836.7	45- 50	344.1	2354
55.0	667.1	712.5	741.1	699.0	651.8	740.2	802.2	749.5	50- 55	333.2	2687
60.0	571.1	623.0	655.8	608.8	554.5	650.9	716.3	660.1	55- 60	312.9	3000
65.0	466.0	525.8	562.6	511.8	450.3	557.6	629.4	565.7	60- 65	283.5	3283
70.0	360.3	427.0	466.0	412.6	343.8	459.2	534.8	467.3	65- 70	246.3	3530
75.0	257.8	344.6	375.4	317.6	241.2	361.3	439.2	368.6	70- 75	203.4	3733
80.0	158.1	236.8	286.5	223.7	141.0	271.0	350.1	275.3	75- 80	155.7	3889
85.0	69.33	159.5	214.0	149.7	56.02	186.0	266.9	190.2	80- 85	110.8	4000
90.0	17.06	110.7	166.1	105.1	9.801	130.0	209.4	132.3	85- 90	74.55	4074
95.0	8.954	90.08	139.8	86.51	5.203	98.97	173.0	100.4	90- 95	54.88	4129
100.0	8.349	71.93	122.4	70.66	5.687	80.58	144.7	80.28	95-100	42.85	4172
105.0	8.712	68.78	113.7	67.88	6.534	75.56	130.5	75.74	100-105	38.47	4211
110.0	8.954	63.88	104.5	62.98	7.502	69.57	119.6	69.57	105-110	35.02	4246
115.0	9.196	57.23	94.62	57.59	8.107	63.34	108.1	62.61	110-115	31.10	4277
120.0	10.04	51.24	84.09	52.09	8.833	57.59	97.64	55.41	115-120	27.05	4304
125.0	10.40	45.13	75.62	46.94	9.317	51.42	86.87	47.25	120-125	23.12	4327
130.0	10.64	38.72	66.79	41.80	9.679	45.31	76.10	40.77	125-130	19.26	4346
135.0	10.76	33.75	57.95	36.78	10.40	40.23	66.67	35.02	130-135	15.72	4362
140.0	11.01	28.49	49.61	31.58	10.64	34.48	56.99	29.94	135-140	12.54	4374
145.0	11.49	24.44	41.50	26.37	11.01	28.85	47.91	25.10	140-145	9.764	4384
150.0	11.61	20.44	33.51	21.59	10.89	24.26	39.32	20.99	145-150	7.279	4391
155.0	11.61	16.81	25.89	17.48	11.37	19.48	31.45	17.42	150-155	5.203	4397
160.0	11.73	13.97	19.11	14.15	11.13	15.36	23.83	14.70	155-160	3.541	4400
165.0	11.73	12.16	13.67	11.61	11.61	12.58	17.66	12.52	160-165	2.300	4403
170.0	12.10	11.61	10.76	11.55	11.49	11.61	12.82	11.49	165-170	1.431	4404
175.0	11.97	11.67	11.01	11.49	11.85	11.73	12.70	11.43	170-175	0.835	4405
180.0	12.22	11.55	11.49	11.61	11.97	11.73	11.97	11.31	175-180	0.279	4405
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018年08月08日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:11.000 m  
 Remarks:

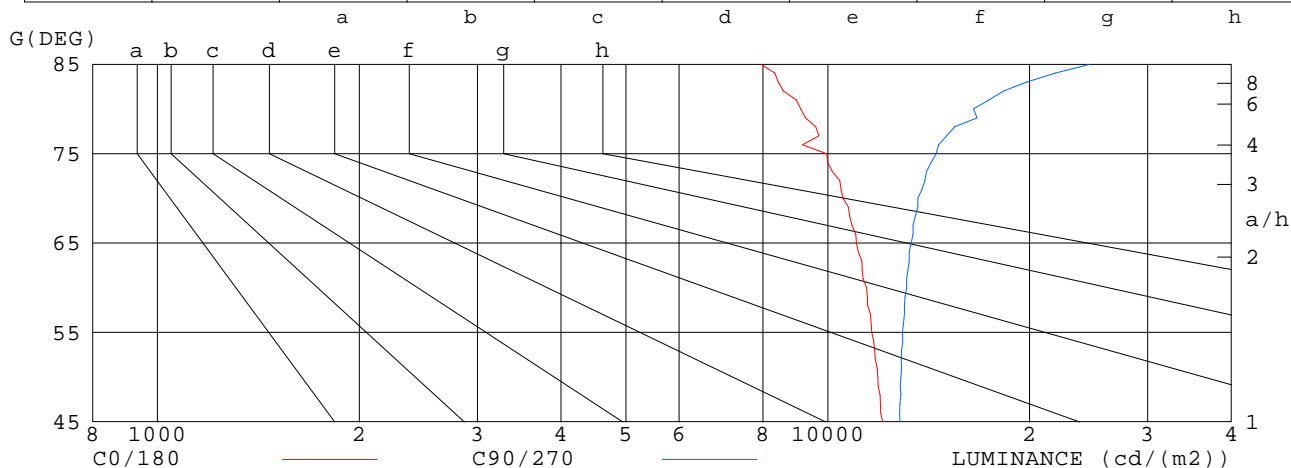
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		
Address:		
NAME: 120° 32W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500X65mm	SERIAL No.:

### LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/m2		
G( DEG)	C0/180	C90/270
85	7955	24559
80	9107	16500
75	9963	14507
70	10536	13628
65	11029	13313
60	11422	13116
55	11632	12921
50	11871	12851
45	12076	12817

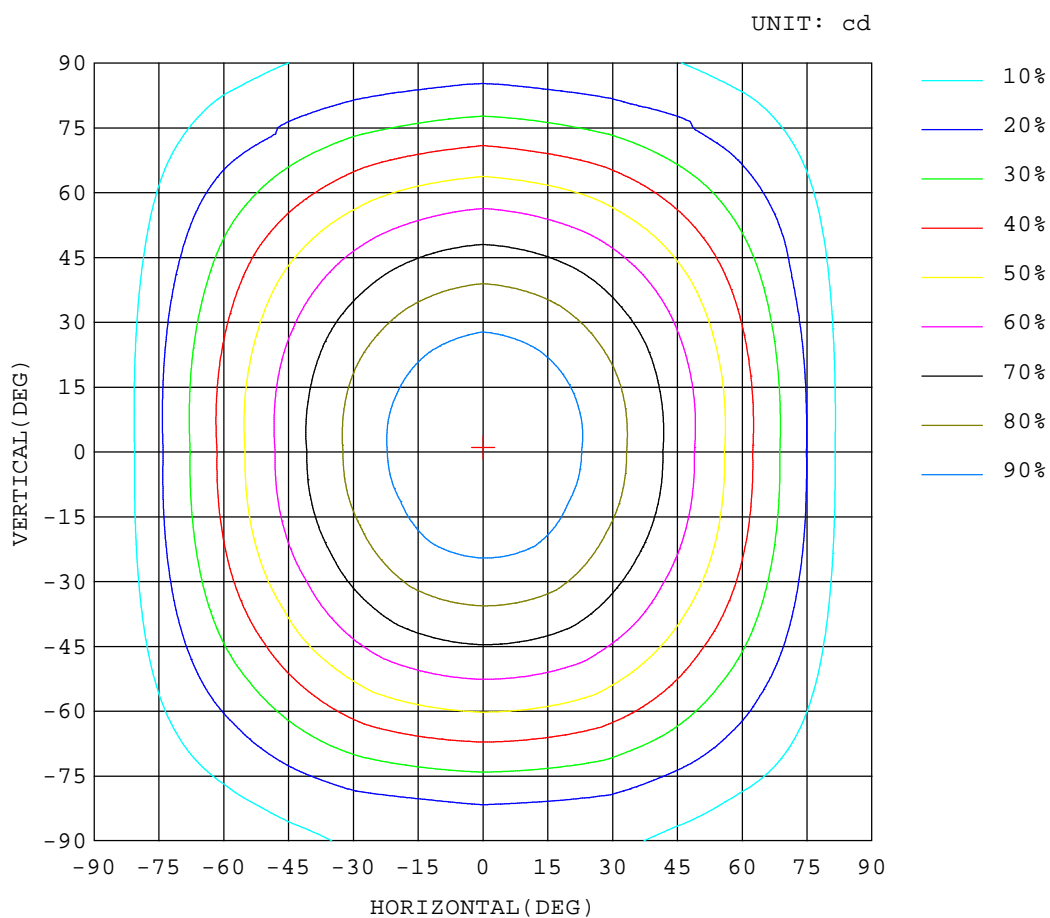
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2018年08月08日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:11.000 m  
Remarks:

### ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 120° 32W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500X65mm	SERIAL No.:



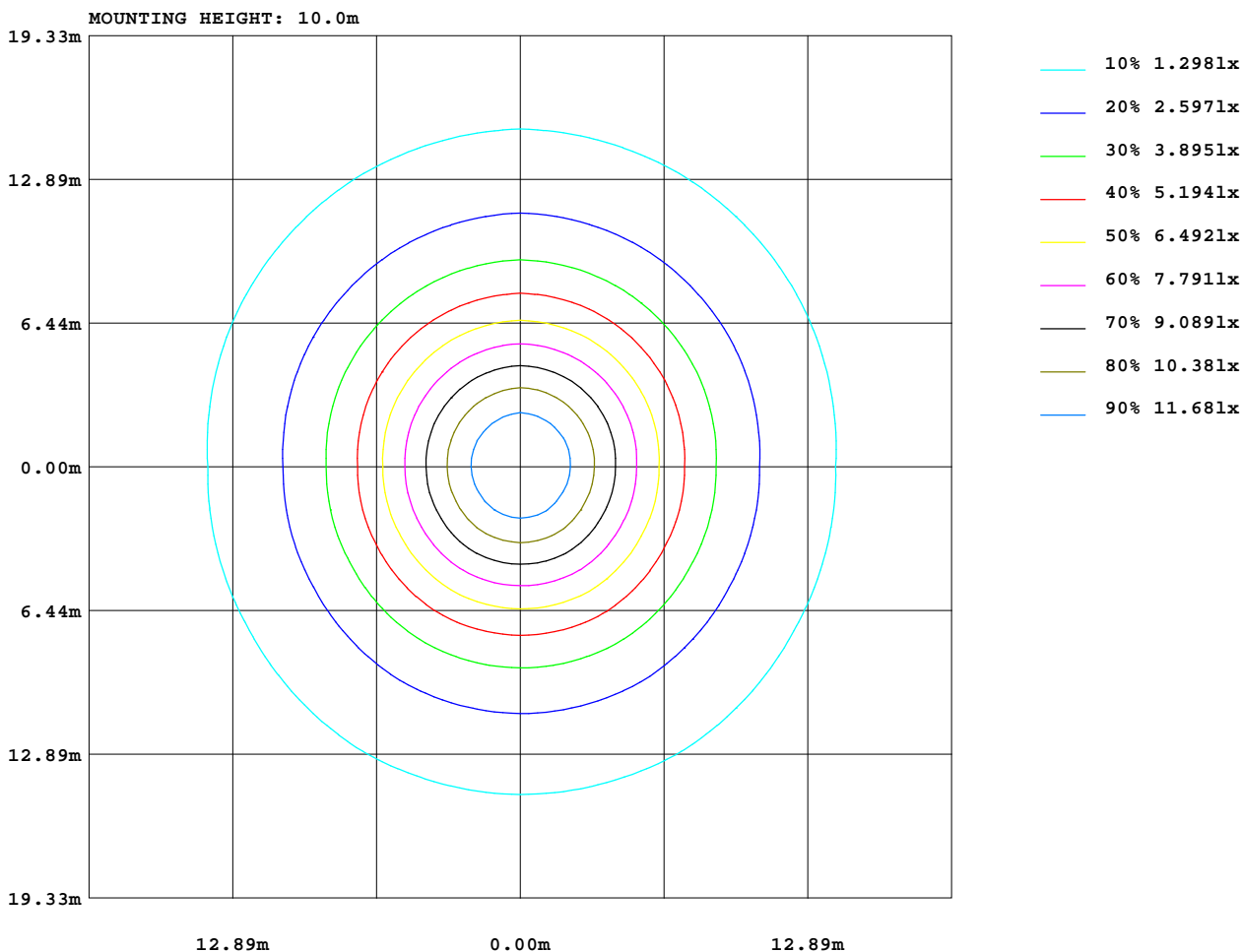
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018年08月08日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:11.000 m  
 Remarks:

# ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 120° 32W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500X65mm	SERIAL No.:



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2018年08月08日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:11.000 m  
Remarks:

## AREA LUMINOUS FLUX

Report number:

MANUFACTURER:		
Address:		
NAME: 120° 32W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500X65mm	SERIAL No.:

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a				
	0.08	0.49	1.27	2.35	3.64	5.03	6.28	7.23	7.94	7.97	7.31	6.37	5.11	3.71	2.42	1.33	0.54	0.10	69.2	63.7						
90	0.10	0.71	1.97	3.74	5.92	8.28	10.4	12.0	13.1	13.1	12.1	10.5	8.50	6.13	3.91	2.07	0.77	0.13	114	112						
80	0.13	0.97	2.74	5.45	8.66	11.9	15.0	17.2	18.7	18.7	17.3	15.1	12.1	8.82	5.62	2.91	1.06	0.16	163	162						
70	0.16	1.23	3.64	7.17	11.2	15.5	19.3	22.2	23.9	24.0	22.3	19.5	15.7	11.4	7.34	3.78	1.34	0.19	210	210						
60	0.18	1.49	4.45	8.66	13.5	18.6	23.1	26.6	28.6	28.7	26.7	23.3	18.8	13.8	8.86	4.58	1.61	0.22	252	252						
50	0.21	1.72	5.10	9.88	15.5	21.2	26.4	30.4	32.6	32.7	30.5	26.6	21.4	15.7	10.1	5.25	1.83	0.24	288	287						
40	0.22	1.89	5.56	10.7	16.9	23.2	28.9	33.3	35.8	35.9	33.5	29.2	23.5	17.2	11.0	5.74	2.00	0.26	315	315						
30	0.23	2.00	5.83	11.3	17.8	24.5	30.6	35.3	37.9	38.0	35.5	30.9	24.8	18.1	11.5	6.03	2.10	0.27	333	333						
	0.23	2.02	5.89	11.4	18.1	25.0	31.3	36.2	38.9	38.9	36.4	31.6	25.3	18.4	11.7	6.11	2.12	0.27	340	340						
	0.23	2.00	5.85	11.3	17.9	24.8	31.1	36.0	38.7	38.8	36.2	31.4	25.1	18.3	11.6	6.07	2.11	0.27	339	338						
	0.22	1.96	5.69	11.0	17.4	24.0	30.1	34.8	37.5	37.6	35.0	30.4	24.3	17.7	11.3	5.91	2.06	0.26	328	328						
-30	0.21	1.82	5.34	10.3	16.3	22.4	28.2	32.7	35.0	35.1	32.9	28.5	22.8	16.6	10.6	5.54	1.94	0.25	307	307						
-40	0.19	1.63	4.80	9.31	14.6	20.3	25.5	29.4	31.5	31.6	29.7	25.8	20.6	15.0	9.60	4.99	1.75	0.23	277	277						
-50	0.17	1.38	4.11	7.95	12.6	17.6	22.1	25.4	27.2	27.2	25.6	22.4	17.9	12.9	8.24	4.30	1.50	0.20	239	239						
-60	0.14	1.10	3.27	6.42	10.3	14.4	18.1	20.8	22.2	22.3	21.0	18.4	14.7	10.6	6.68	3.49	1.22	0.17	196	195						
-70	0.11	0.82	2.36	4.74	7.72	10.8	13.7	15.7	16.8	16.9	15.8	14.0	11.1	8.04	5.04	2.55	0.93	0.14	148	146						
-80	0.09	0.57	1.54	3.04	4.99	7.14	9.07	10.4	11.2	11.3	10.6	9.36	7.48	5.28	3.27	1.70	0.65	0.11	97.9	94.6						
-90	0.07	0.37	0.94	1.79	2.94	4.23	5.28	5.98	6.49	6.53	6.11	5.48	4.42	3.12	1.94	1.04	0.44	0.09	57.3	49.1						
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)										20	30	40	50	60	70	80	90
Φ t	2.97	24.2	70.4	137	217	300	375	432	465	466	435	380	305	221	141	73.4	26.0	3.53	4405							
Φ a	0.25	20.1	66.9	134	215	299	375	432	465	466	435	380	305	220	139	70.3	22.2	0.61		4098						

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018年08月08日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:11.000 m  
 Remarks:

Uncorrected UGR Table

Report number:

MANUFACTURER:											
Address:											
NAME: 120° 32W					TYPE:			WEIGHT:			
SPECIFICATION:					DIMENSION: 1500X65mm			SERIAL No.:			
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	20.8	22.3	21.2	22.6	23.0	21.4	22.9	21.8	23.2	23.6	
	3H	22.4	23.7	22.8	24.1	24.5	23.3	24.7	23.7	25.0	25.4
	4H	23.0	24.3	23.4	24.7	25.1	24.2	25.5	24.6	25.9	26.3
	6H	23.5	24.7	23.9	25.1	25.5	25.1	26.3	25.5	26.7	27.2
	8H	23.6	24.8	24.1	25.2	25.7	25.5	26.7	26.0	27.1	27.6
	12H	23.7	24.8	24.2	25.3	25.7	26.0	27.1	26.5	27.6	28.0
4H	2H	21.5	22.8	22.0	23.2	23.6	22.0	23.3	22.4	23.7	24.1
	3H	23.3	24.4	23.8	24.8	25.3	24.1	25.3	24.6	25.7	26.1
	4H	24.1	25.1	24.6	25.6	26.1	25.2	26.2	25.7	26.7	27.2
	6H	24.7	25.6	25.2	26.1	26.6	26.3	27.2	26.8	27.7	28.2
	8H	24.9	25.8	25.4	26.3	26.8	26.8	27.6	27.3	28.1	28.7
	12H	25.1	25.9	25.6	26.4	26.9	27.4	28.2	27.9	28.7	29.2
8H	4H	24.5	25.4	25.1	25.9	26.4	25.5	26.4	26.0	26.9	27.4
	6H	25.4	26.1	25.9	26.6	27.2	26.8	27.5	27.4	28.0	28.6
	8H	25.7	26.3	26.3	26.9	27.5	27.5	28.1	28.1	28.7	29.3
	12H	26.0	26.5	26.5	27.1	27.7	28.3	28.8	28.9	29.4	30.0
12H	4H	24.6	25.4	25.2	25.9	26.5	25.5	26.3	26.1	26.8	27.4
	6H	25.5	26.2	26.1	26.7	27.3	26.9	27.5	27.5	28.1	28.7
	8H	25.9	26.5	26.5	27.1	27.7	27.7	28.2	28.2	28.8	29.4
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2					
1.5H	+ 0.3 / - 0.4					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.3					

CIE Pub.117 Corrected 4405 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.2)

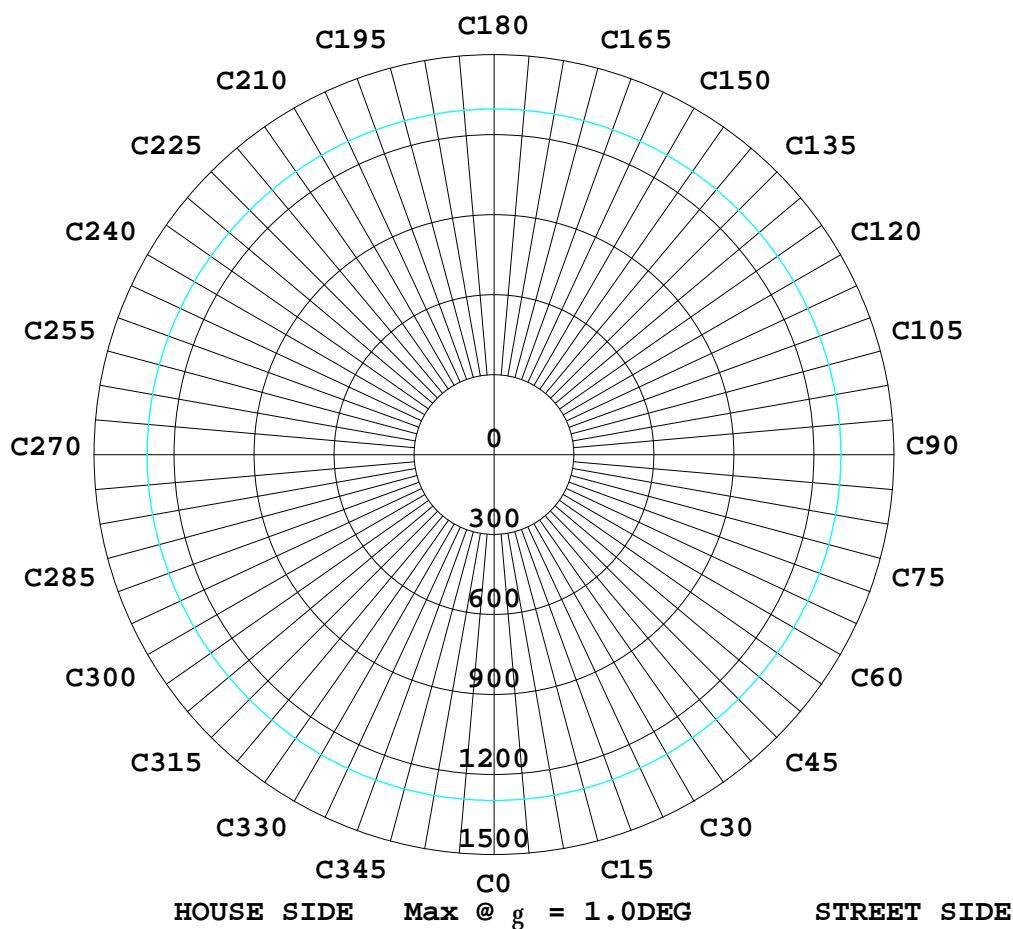
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ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 120° 32W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500X65mm	SERIAL No.:



Test System:HOPOO HPG1800  
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