

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

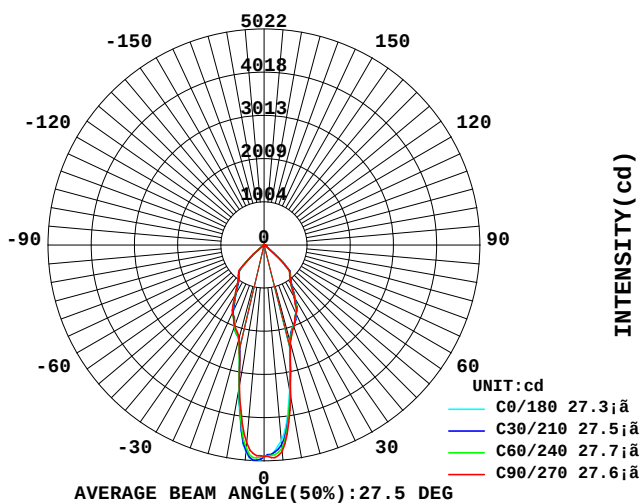
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

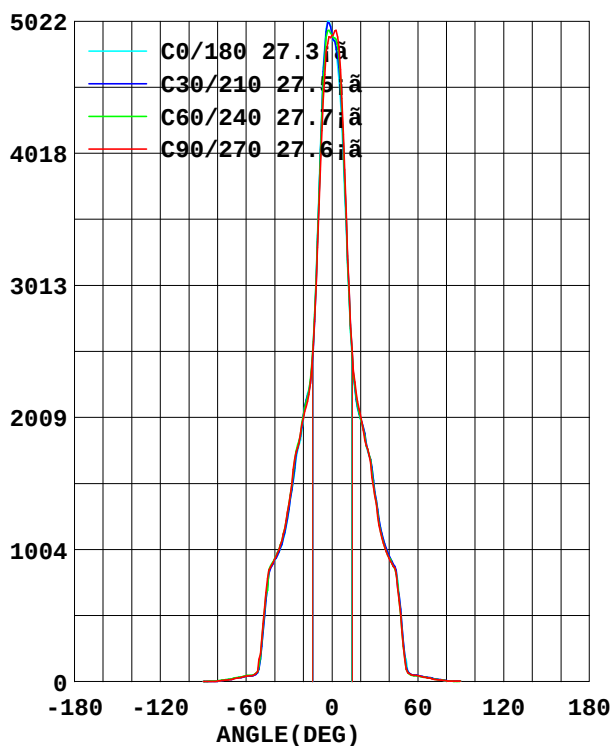
MANUFACTURER:		
Address:		
NAME: 18W	TYPE: WALLVASHER	WEIGHT:
SPECIFICATION:	DIMENSION: 380*35*65	SERIAL No.: LA/YE6L-990706

DATA OF LAMP		Imax(cd)	5022	S/MH(C0/180)	0.45
MODEL	SMD	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.45
NOMINAL POWER(W)	38	TOTAL FLUX(lm)	3211.5	Voltage(V)	230.6
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	84.0	Current(A)	0.181
NOMINAL FLUX(lm)	3211.6	η up(%)	0.0	Power(W)	38.23
LAMPS QUANTITY	1	η down(%)	100.0	Power Factor(PF)	0.916
TEST VOLTAGE(V)	230.6	Effective Flux(lm)	3211.6	EEI	0.162

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOP00 HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:10-07-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.150 m
 Remarks:

HOP00 GONIOPHOTOMETERS SYSTEM TEST REPORT

Color Temperature Data List

Report number:

MANUFACTURER:		
Address:		
NAME: 18W	TYPE: WALLVASHER	WEIGHT:
SPECIFICATION:	DIMENSION: 380*35*65	SERIAL No.: LA/YE6L-990706

Test System:HOP00 HPG1600
Temperature:25.3DEG
Operators:
Test Date:10-07-2020

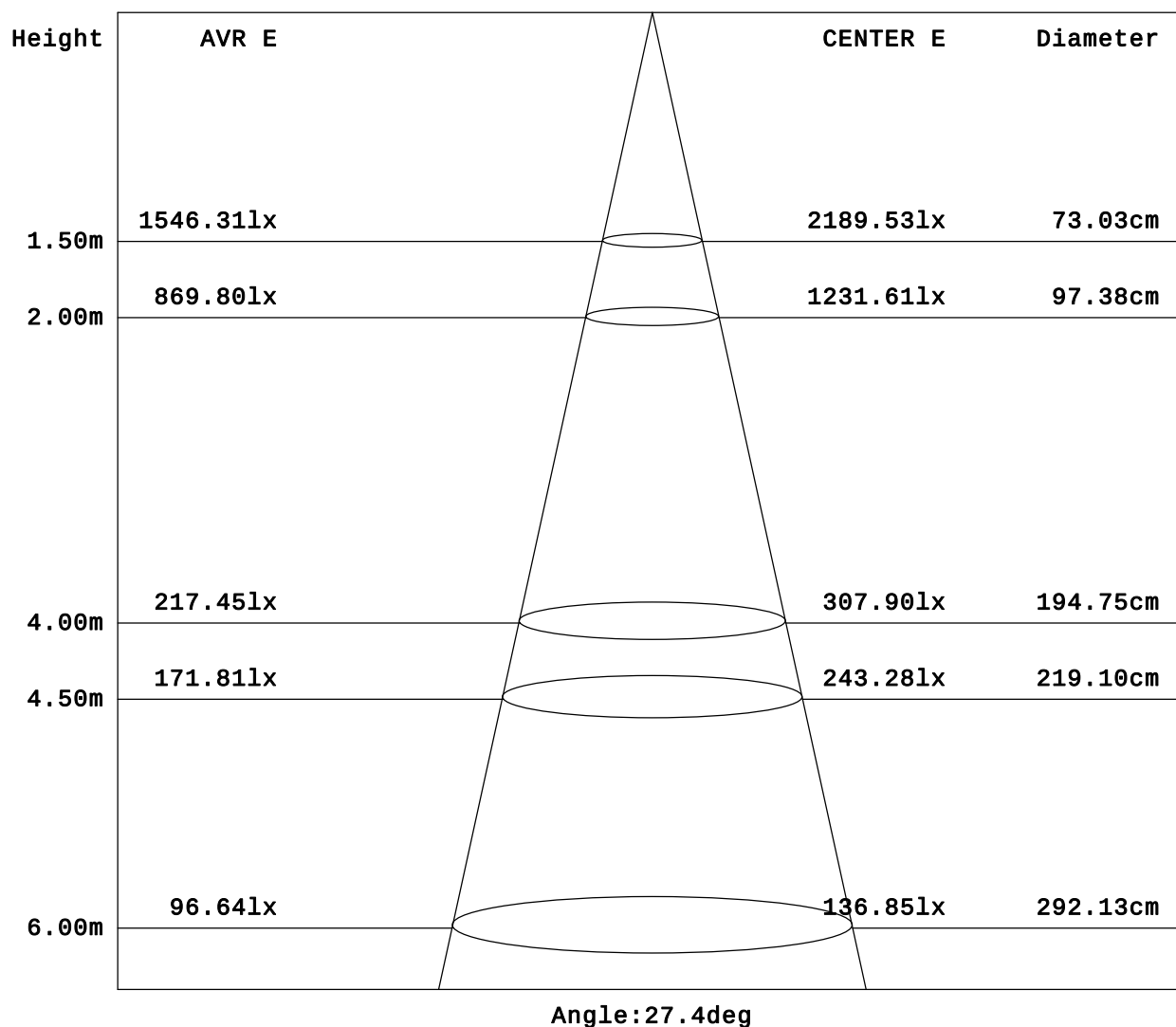
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.150 m
Remarks:

HOP00 GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:		
Address:		
NAME: 18W	TYPE: WALLVASHER	WEIGHT:
SPECIFICATION:	DIMENSION: 380*35*65	SERIAL No.: LA/YE6L-990706



Test System:HOP00 HPG1600
Temperature:25.3DEG
Operators:
Test Date:10-07-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.150 m
Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 18W	TYPE: WALLVASHER	WEIGHT:
SPECIFICATION:	DIMENSION: 380*35*65	SERIAL No.: LA/YE6L-990706

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	4836	4771	4617	4515	4580	4712	4830	4851	0- 5	116.0	116.0
10.0	3394	3354	3301	3297	3438	3511	3558	3541	5- 10	290.7	406.7
15.0	2285	2284	2273	2267	2314	2343	2364	2326	10- 15	325.7	732.5
20.0	1995	2025	2000	1983	1998	2006	2029	2020	15- 20	351.6	1084
25.0	1695	1735	1742	1740	1748	1765	1766	1748	20- 25	390.5	1475
30.0	1308	1334	1352	1384	1437	1430	1411	1364	25- 30	396.6	1871
35.0	1041	1060	1072	1093	1118	1115	1094	1067	30- 35	357.2	2229
40.0	920.5	930.8	931.7	937.3	951.2	947.9	934.9	931.0	35- 40	334.0	2563
45.0	697.5	714.2	784.2	818.3	838.9	830.5	819.2	743.1	40- 45	325.1	2888
50.0	173.5	184.2	210.4	257.3	301.0	289.8	270.3	220.0	45- 50	208.8	3097
55.0	48.56	48.04	48.08	52.71	53.89	54.18	53.62	47.80	50- 55	44.21	3141
60.0	42.64	42.01	41.66	44.99	44.98	45.51	45.61	42.15	55- 60	21.49	3162
65.0	32.46	31.94	28.45	33.85	33.31	33.67	32.25	31.98	60- 65	18.26	3181
70.0	18.59	18.69	16.49	24.66	25.59	25.22	21.82	18.89	65- 70	14.24	3195
75.0	11.90	12.14	10.52	14.81	14.16	14.62	12.27	11.98	70- 75	8.711	3204
80.0	3.447	3.302	2.997	6.723	4.667	7.426	6.259	4.469	75- 80	5.094	3209
85.0	2.493	2.161	1.538	2.294	2.493	2.983	3.368	2.877	80- 85	1.662	3210
90.0	1.777	1.418	1.007	1.405	3.023	2.930	3.341	3.023	85- 90	1.264	3212
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOP00 HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:10-07-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.150 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

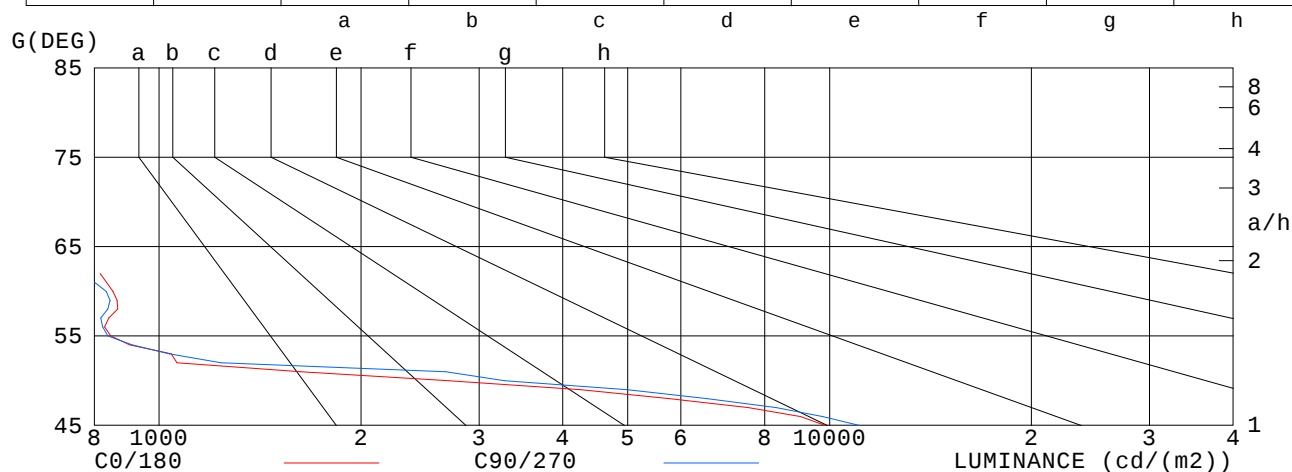
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		
Address:		
NAME: 18W	TYPE: WALLVASHER	WEIGHT:
SPECIFICATION:	DIMENSION: 380*35*65	SERIAL No.: LA/YE6L-990706

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	286	177
80	199	173
75	460	407
70	544	482
65	768	673
60	853	833
55	847	838
50	2700	3274
45	9865	11092

Test System:HOP00 HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:10-07-2020

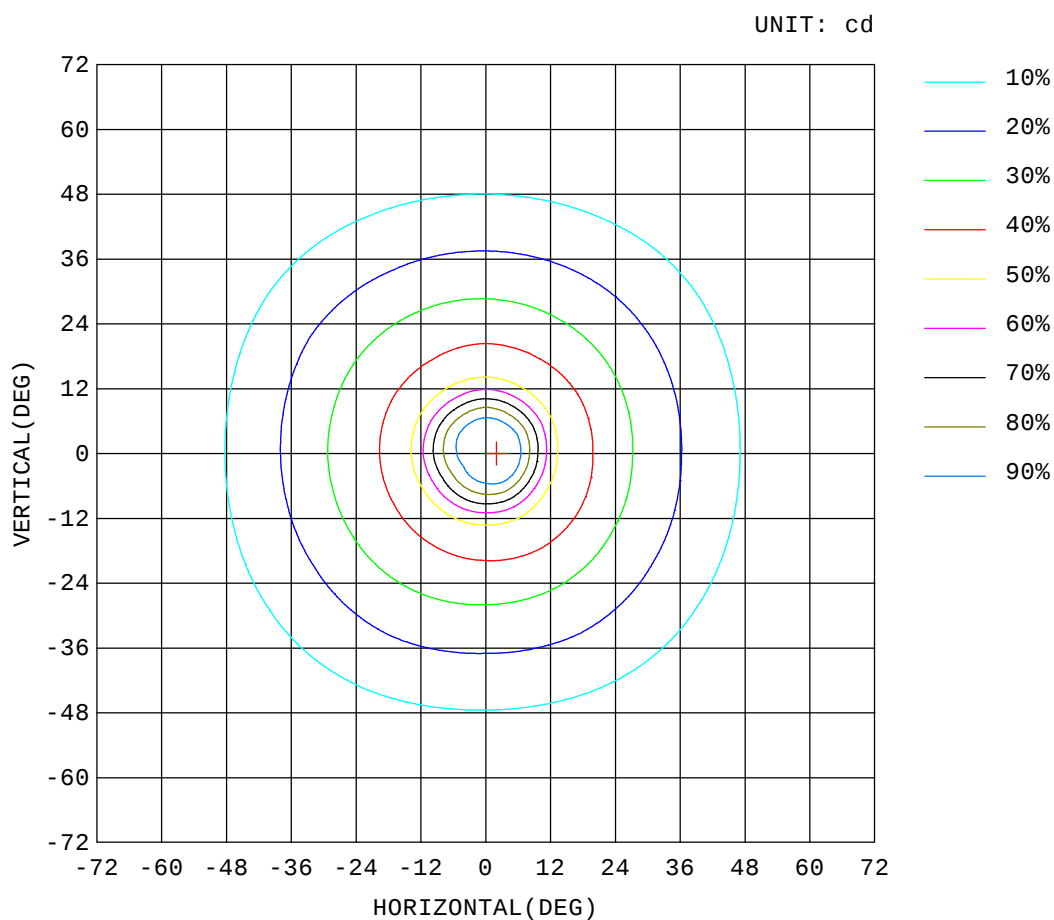
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.150 m
 Remarks:

HOP00 GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 18W	TYPE: WALLVASHER	WEIGHT:
SPECIFICATION:	DIMENSION: 380*35*65	SERIAL No.: LA/YE6L-990706



Test System:HOP00 HPG1600
Temperature:25.3DEG
Operators:
Test Date:10-07-2020

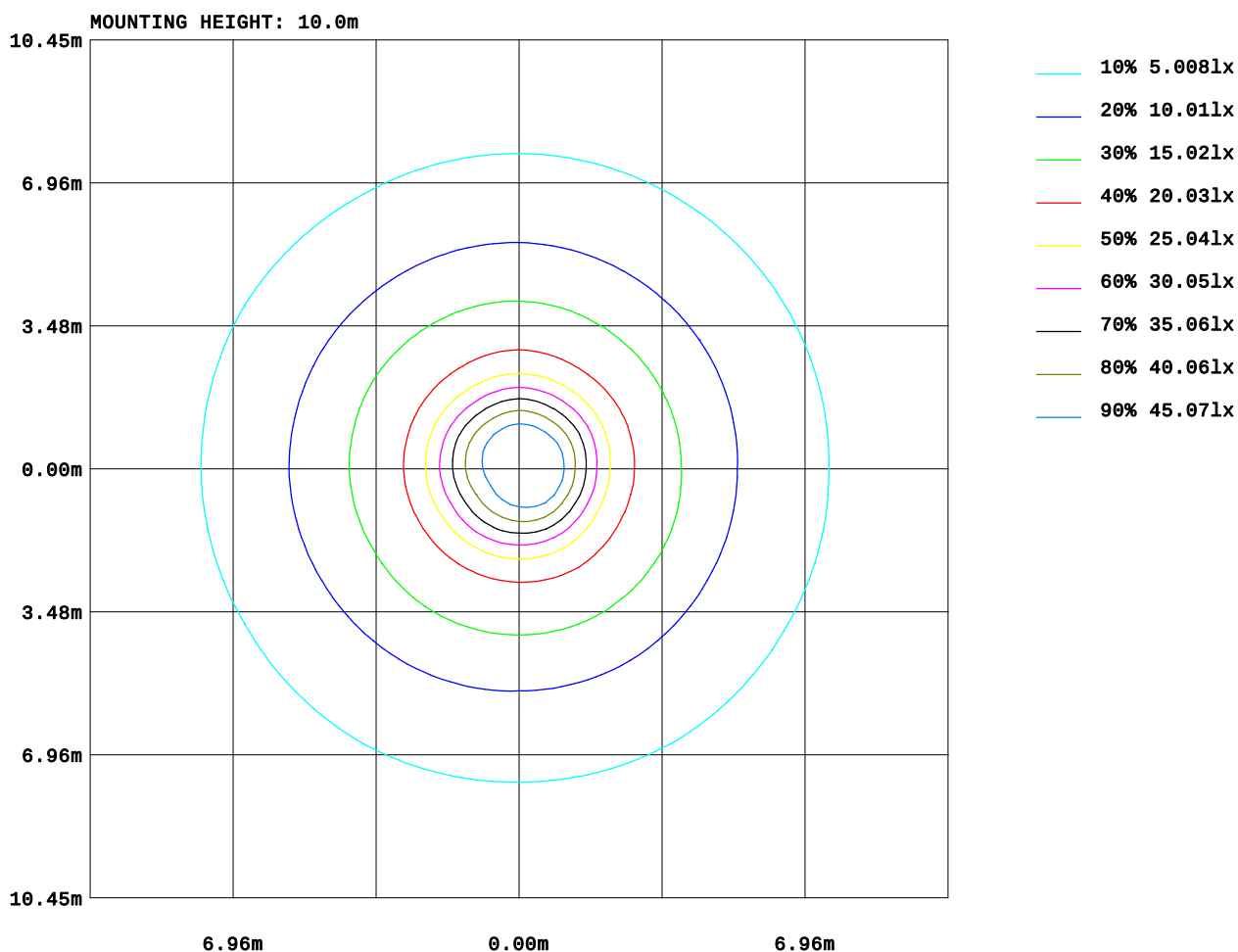
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.150 m
Remarks:

HOP00 GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 18W	TYPE: WALLVASHER	WEIGHT:
SPECIFICATION:	DIMENSION: 380*35*65	SERIAL No.: LA/YE6L-990706



Test System:HOP00 HPG1600
Temperature:25.3DEG
Operators:
Test Date:10-07-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.150 m
Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:		
Address:		
NAME: 18W	TYPE: WALLVASHER	WEIGHT:
SPECIFICATION:	DIMENSION: 380*35*65	SERIAL No.: LA/YE6L-990706

72	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	0.03	0.09	0.16	0.22	0.29	0.37	0.43	0.48	0.51	0.50	0.46	0.40	0.32	0.25	0.18	0.13	0.07	0.03	4.92	4.92		
64	0.06	0.15	0.25	0.39	0.50	0.61	0.71	0.79	0.84	0.83	0.77	0.68	0.57	0.46	0.33	0.20	0.12	0.05	8.31	8.31		
56	0.10	0.21	0.38	0.53	0.69	0.83	1.24	2.25	3.14	3.08	2.13	1.15	0.77	0.64	0.48	0.32	0.17	0.07	18.2	18.2		
48	0.12	0.28	0.47	0.67	1.19	4.47	9.93	13.7	15.3	15.2	13.4	9.27	3.84	1.00	0.62	0.42	0.23	0.10	90.4	90.4		
40	0.15	0.33	0.55	1.12	6.37	13.7	17.0	19.2	20.5	20.4	19.0	16.8	13.0	5.32	0.89	0.51	0.29	0.12	156	156		
32	0.18	0.37	0.63	4.01	12.7	17.0	21.5	26.7	29.9	29.6	25.8	20.6	16.5	11.8	3.04	0.57	0.34	0.15	222	222		
24	0.20	0.40	0.97	8.09	14.9	20.5	28.9	35.2	38.6	38.5	34.7	27.4	19.2	14.4	6.75	0.72	0.38	0.17	291	291		
VERTICAL (DEG)	0.21	0.42	1.70	10.5	16.2	24.6	33.9	42.1	55.2	55.2	42.2	32.9	22.7	15.4	9.39	1.12	0.40	0.18	365	365		
	0.21	0.43	2.30	11.4	17.0	26.9	36.2	53.6	85.5	87.4	53.2	36.0	24.8	16.0	10.4	1.49	0.41	0.19	464	464		
	0.21	0.42	2.26	11.4	16.9	26.7	36.0	52.0	82.3	85.5	51.8	36.0	24.7	16.0	10.3	1.46	0.40	0.19	455	455		
	0.20	0.41	1.62	10.3	16.0	24.1	33.4	41.0	52.2	52.7	41.8	33.0	22.3	15.3	9.20	1.05	0.39	0.18	356	356		
	0.19	0.39	0.90	7.82	14.6	19.9	28.2	34.7	38.1	38.3	34.7	27.0	19.0	14.3	6.36	0.67	0.36	0.16	286	286		
	0.17	0.35	0.59	3.62	12.4	16.7	21.1	26.0	29.0	28.9	25.5	20.6	16.4	11.4	2.59	0.54	0.32	0.14	217	217		
	0.14	0.31	0.51	0.98	5.96	13.5	17.0	19.1	20.3	20.2	18.9	16.8	12.6	4.70	0.78	0.47	0.28	0.11	153	153		
	0.11	0.26	0.43	0.63	1.11	4.29	9.77	13.4	14.9	14.8	12.9	8.72	3.45	0.93	0.59	0.38	0.21	0.09	87.2	87.2		
	0.09	0.19	0.35	0.51	0.69	0.87	1.25	2.11	2.80	2.70	1.90	1.13	0.83	0.65	0.46	0.29	0.15	0.06	17.0	17.0		
	0.05	0.13	0.23	0.38	0.52	0.65	0.73	0.78	0.79	0.79	0.77	0.71	0.61	0.47	0.32	0.18	0.10	0.03	8.23	8.23		
-72	0.02	0.07	0.15	0.22	0.31	0.41	0.45	0.46	0.45	0.44	0.44	0.42	0.36	0.26	0.18	0.11	0.05	0.02	4.81	4.81		
-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)				16	24	32	40	48	56	64	72			
Φ t	2.44	5.22	14.4	73.0	139	217	298	384	491	496	381	290	203	130	63.0	10.6	4.64	2.02	3212			
Φ a	2.44	5.22	14.4	73.0	139	217	298	384	491	496	381	290	203	130	63.0	10.6	4.64	2.02		3212		

Test System:HOP00 HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:10-07-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.150 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Report number:

MANUFACTURER:														
Address:														
NAME: 18W							TYPE: WALLVASHER					WEIGHT:		
SPECIFICATION:							DIMENSION: 380*35*65					SERIAL No.: LA/YE6L-990706		

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.193	.109	.035	.186	.106	.034	.173	.099	.032	.161	.093	.030	.151	.087	.028	
2.0	.186	.102	.031	.180	.099	.031	.169	.094	.029	.160	.090	.028	.150	.085	.027	
3.0	.178	.095	.028	.173	.092	.028	.163	.089	.027	.155	.085	.026	.147	.081	.025	
4.0	.169	.088	.026	.165	.086	.026	.157	.083	.025	.149	.080	.024	.142	.077	.024	
5.0	.161	.082	.024	.157	.081	.024	.150	.078	.023	.144	.076	.023	.138	.074	.022	
6.0	.153	.077	.022	.150	.076	.022	.144	.074	.021	.138	.072	.021	.133	.070	.021	
7.0	.146	.072	.020	.143	.071	.020	.138	.070	.020	.132	.068	.020	.128	.066	.019	
8.0	.139	.068	.019	.137	.067	.019	.132	.066	.019	.127	.064	.019	.123	.063	.018	
9.0	.133	.064	.018	.131	.064	.018	.126	.062	.018	.122	.061	.017	.118	.060	.017	
10.0	.127	.061	.017	.125	.060	.017	.121	.059	.017	.117	.058	.017	.113	.057	.016	

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.172	.157	.144	.147	.135	.124	.101	.093	.085	.058	.054	.050	.019	.017	.016	
2.0	.158	.132	.111	.135	.114	.096	.093	.079	.067	.054	.046	.039	.017	.015	.013	
3.0	.147	.114	.087	.126	.098	.076	.086	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.137	.099	.070	.118	.086	.061	.081	.060	.043	.047	.035	.025	.015	.011	.008	
5.0	.129	.088	.057	.111	.076	.050	.076	.053	.035	.044	.031	.021	.014	.010	.007	
6.0	.122	.079	.048	.105	.068	.042	.072	.048	.029	.042	.028	.018	.014	.009	.006	
7.0	.115	.071	.040	.099	.062	.035	.069	.043	.025	.040	.026	.015	.013	.008	.005	
8.0	.110	.065	.035	.094	.057	.030	.065	.040	.021	.038	.023	.013	.012	.008	.004	
9.0	.105	.060	.030	.090	.052	.026	.062	.037	.019	.036	.022	.011	.012	.007	.004	
10.0	.100	.056	.026	.086	.048	.023	.060	.034	.016	.035	.020	.010	.011	.007	.003	

Test System:HOP00 HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:10-07-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.150 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

Uncorrected UGR Table

Report number:

MANUFACTURER:											
Address:											
NAME: 18W					TYPE: WALLVASHER			WEIGHT:			
SPECIFICATION:					DIMENSION: 380*35*65			SERIAL No.: LA/YE6L-990706			
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	2H	15.5	16.5	15.7	16.7	16.9	15.7	16.8	16.0	16.9	17.1
	3H	15.3	16.3	15.6	16.5	16.7	15.6	16.5	15.9	16.8	17.0
	4H	15.3	16.2	15.5	16.4	16.6	15.5	16.4	15.8	16.6	16.9
	6H	15.2	16.0	15.5	16.3	16.5	15.4	16.3	15.7	16.5	16.8
	8H	15.1	15.9	15.4	16.2	16.5	15.4	16.2	15.7	16.5	16.7
	12H	15.1	15.9	15.4	16.1	16.4	15.3	16.1	15.7	16.4	16.7
4H	2H	15.2	16.1	15.5	16.4	16.6	15.5	16.4	15.8	16.6	16.8
	3H	15.1	15.9	15.4	16.2	16.4	15.4	16.1	15.7	16.4	16.7
	4H	15.0	15.8	15.4	16.1	16.4	15.3	16.0	15.7	16.3	16.6
	6H	15.0	15.6	15.3	15.9	16.3	15.2	15.8	15.6	16.2	16.5
	8H	14.9	15.5	15.3	15.8	16.2	15.2	15.7	15.6	16.1	16.5
	12H	14.9	15.4	15.3	15.8	16.2	15.1	15.7	15.5	16.0	16.4
8H	4H	14.9	15.5	15.3	15.8	16.2	15.2	15.7	15.6	16.1	16.5
	6H	14.8	15.3	15.3	15.7	16.1	15.1	15.6	15.5	16.0	16.4
	8H	14.8	15.2	15.2	15.6	16.1	15.1	15.5	15.5	15.9	16.3
	12H	14.7	15.1	15.2	15.5	16.0	15.0	15.4	15.5	15.8	16.3
12H	4H	14.9	15.4	15.3	15.8	16.2	15.1	15.6	15.5	16.0	16.4
	6H	14.8	15.2	15.2	15.6	16.1	15.1	15.5	15.5	15.9	16.3
	8H	14.7	15.1	15.2	15.5	16.0	15.0	15.4	15.5	15.8	16.3
Variations with the observer position at spacings:											
S = 1.0H	+ 3.2 / - 9.1					+ 3.1 / - 8.9					
1.5H	+ 2.4 / -10.4					+ 2.8 / -10.2					
2.0H	+ 7.2 / - 7.5					+ 7.4 / - 7.9					

CIE Pub.117 Corrected 3212 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.1)

Test System:HOP00 HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:10-07-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.150 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:		
Address:		
NAME: 18W	TYPE: WALLVASHER	WEIGHT:
SPECIFICATION:	DIMENSION: 380*35*65	SERIAL No.: LA/YE6L-990706

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	79	71	66	78	71	66	77	70	66	62
0.80	88	80	76	87	80	75	86	79	75	71
1.00	94	87	83	93	87	82	91	87	82	77
1.25	99	93	88	98	92	88	96	91	87	82
1.50	102	97	92	101	96	92	99	94	91	86
2.00	106	101	97	105	100	97	102	98	95	89
2.50	108	104	100	106	102	99	103	100	97	91
3.00	110	106	103	108	105	102	105	102	100	93
4.00	112	109	106	110	107	105	106	104	102	95
5.00	114	111	109	111	109	107	107	106	104	96
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

Test System:HOP00 HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:10-07-2020

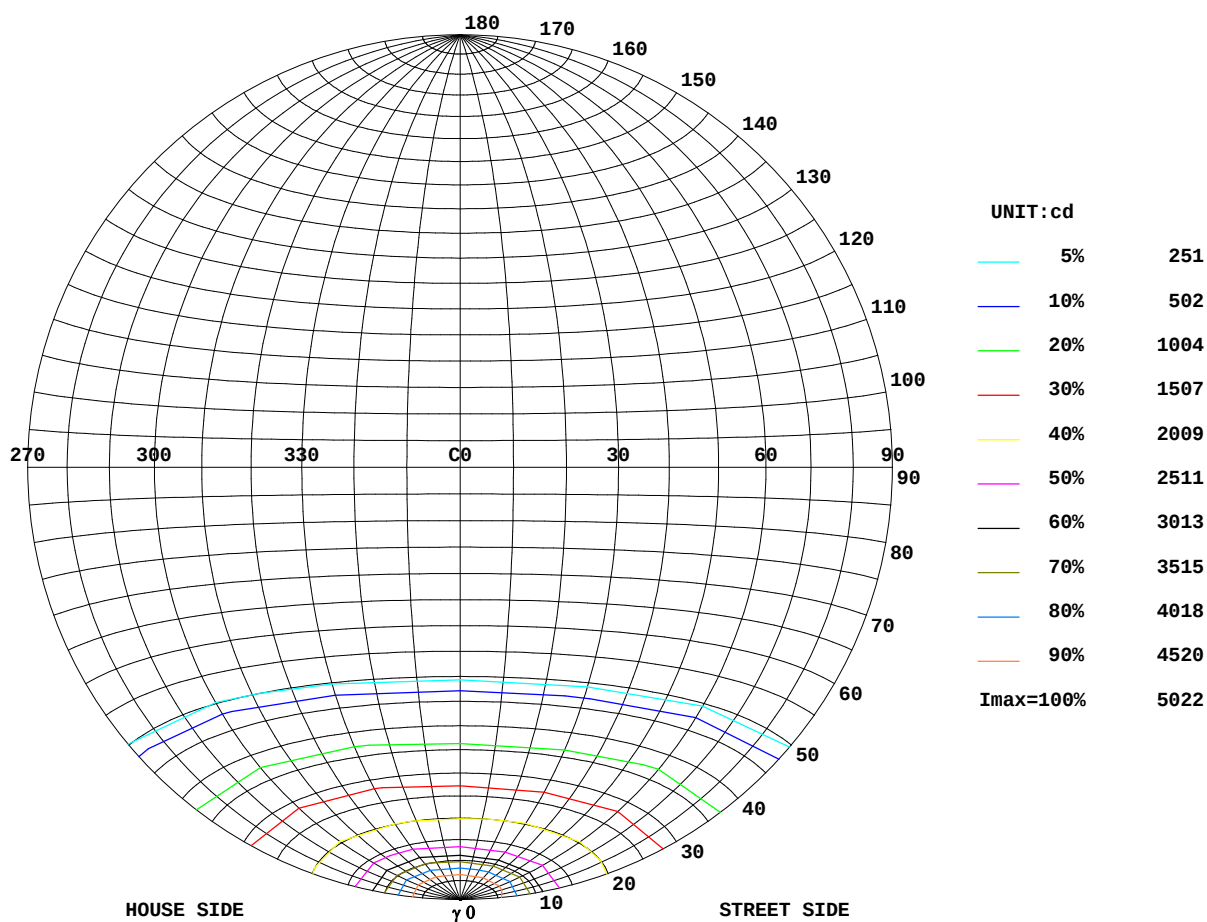
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.150 m
 Remarks:

HOP00 GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 18W	TYPE: WALLVASHER	WEIGHT:
SPECIFICATION:	DIMENSION: 380*35*65	SERIAL No.: LA/YE6L-990706



Test System:HOP00 HPG1600
Temperature:25.3DEG
Operators:
Test Date:10-07-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.150 m
Remarks:

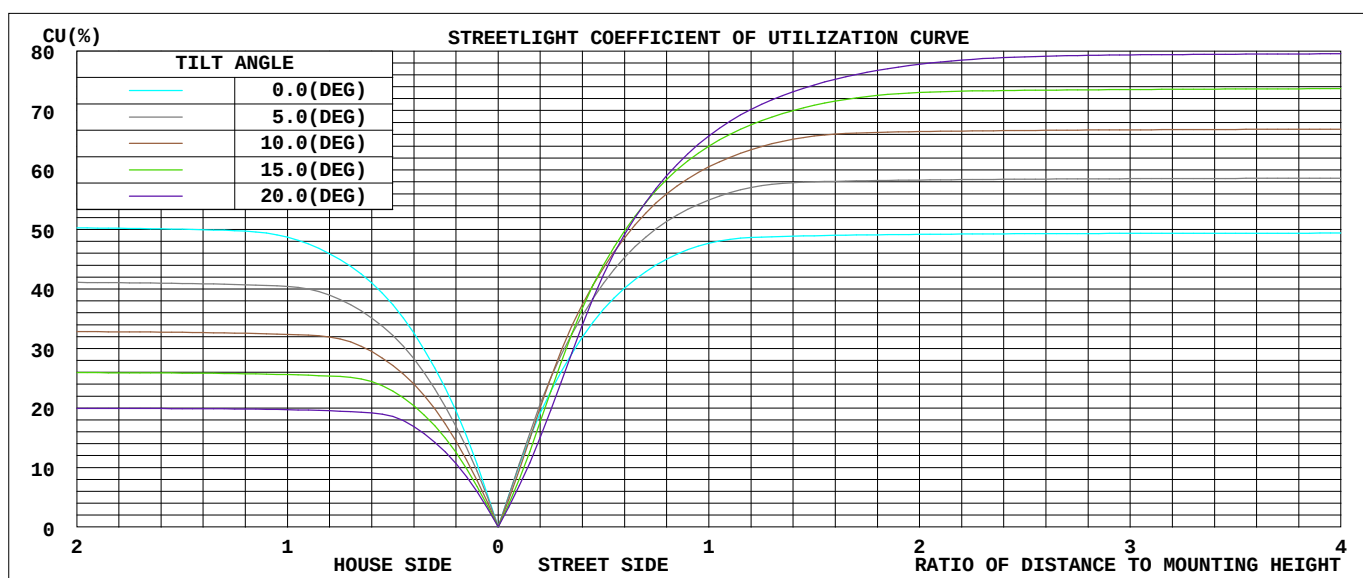
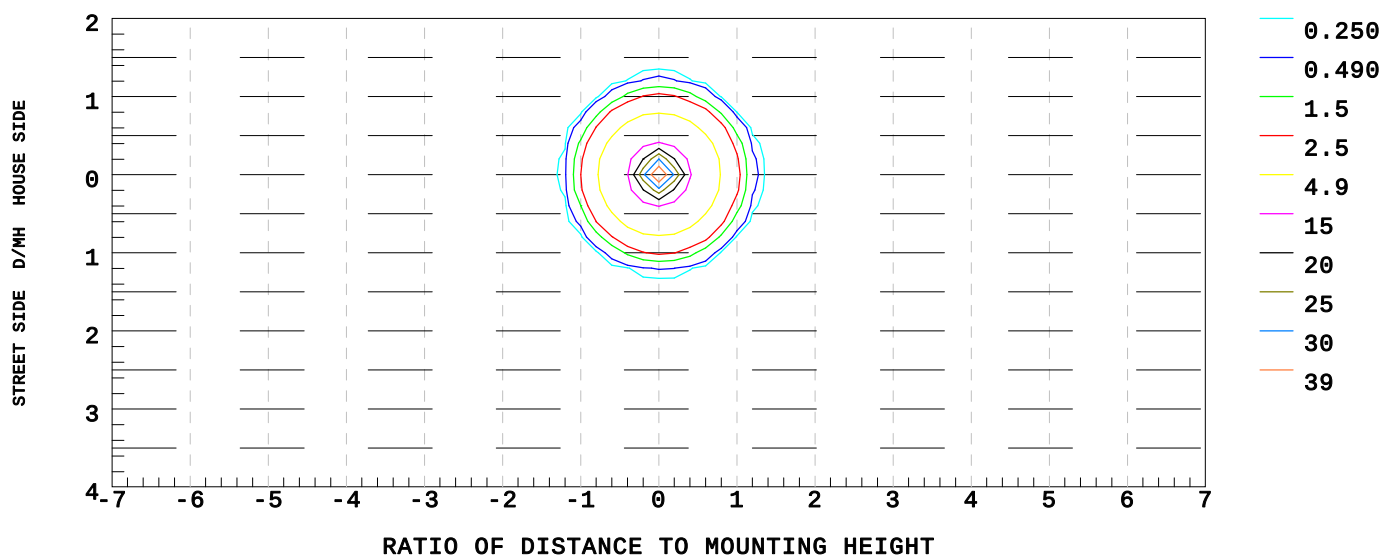
HOP00 GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 18W	TYPE: WALLVASHER	WEIGHT:
SPECIFICATION:	DIMENSION: 380*35*65	SERIAL No.: LA/YE6L-990706

ILLUMINANCE AT MH=10 m, Enadir = 49.26 lx



Test System:HOP00 HPG1600
Temperature:25.3DEG
Operators:
Test Date:10-07-2020

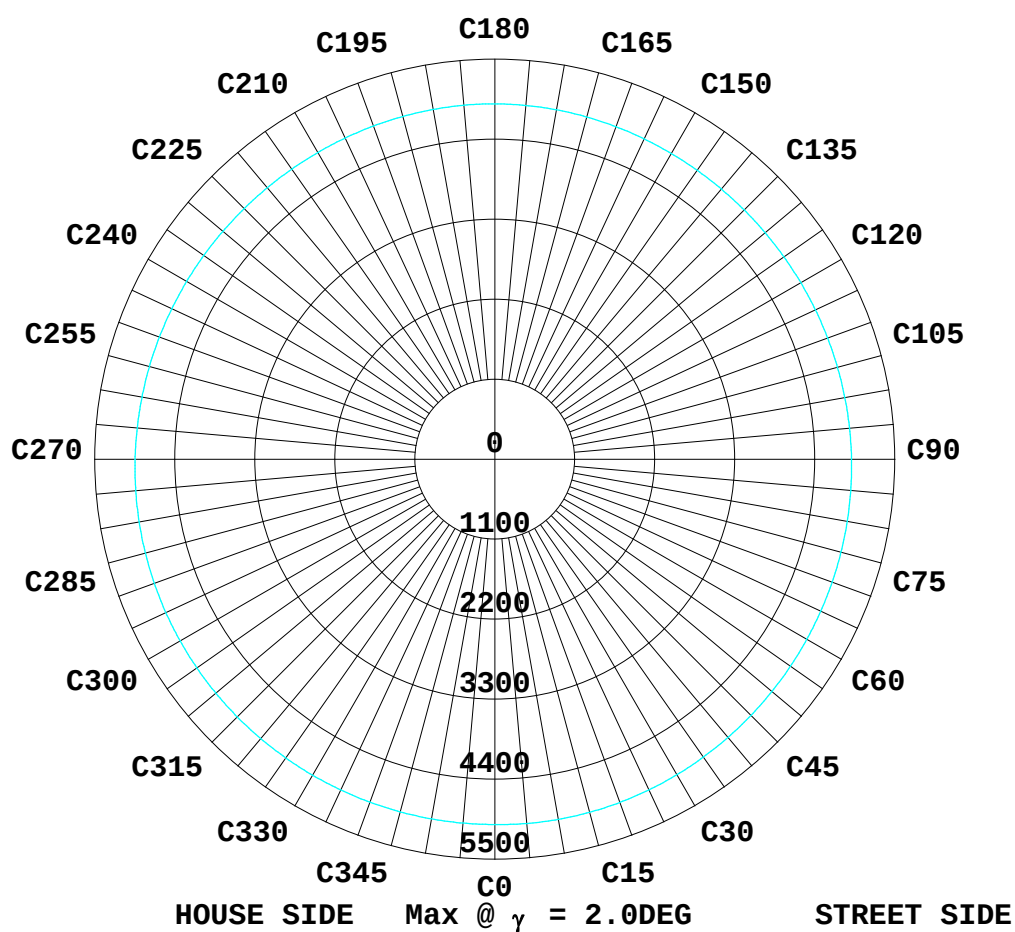
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.150 m
Remarks:

HOP00 GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 18W	TYPE: WALLVASHER	WEIGHT:
SPECIFICATION:	DIMENSION: 380*35*65	SERIAL No.: LA/YE6L-990706



Test System:HOP00 HPG1600
Temperature:25.3DEG
Operators:
Test Date:10-07-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.150 m
Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:		
Address:		
NAME: 18W	TYPE: WALLVASHER	WEIGHT:
SPECIFICATION:	DIMENSION: 380*35*65	SERIAL No.: LA/YE6L-990706

UNIT: cd

C(DEG) γ (DEG)												
	0	30	60	90	120	150	180	210	240	270	300	330
0.0	4926	4926	4919	4915	4912	4905	4926	4926	4919	4915	4912	4905
5.0	4836	4806	4736	4617	4549	4481	4580	4670	4754	4830	4833	4868
10.0	3394	3344	3365	3301	3302	3292	3438	3511	3512	3558	3541	3542
15.0	2285	2269	2299	2273	2265	2270	2314	2344	2342	2364	2330	2322
20.0	1995	2027	2023	2000	1988	1979	1998	2006	2005	2029	2014	2026
25.0	1695	1720	1751	1742	1742	1738	1748	1764	1767	1766	1760	1736
30.0	1308	1311	1358	1352	1372	1396	1437	1442	1417	1411	1377	1351
35.0	1041	1047	1073	1072	1093	1093	1118	1128	1102	1094	1074	1061
40.0	921	929	933	932	940	935	951	958	938	935	932	930
45.0	698	736	692	784	822	815	839	847	814	819	779	708
50.0	174	173	196	210	257	258	301	311	269	270	222	218
55.0	48.5	45.0	51.0	48.0	54.4	50.9	53.8	58.0	50.3	53.6	45.9	49.6
60.0	42.6	39.5	44.4	41.6	46.4	43.5	44.9	47.6	43.3	45.6	40.9	43.3
65.0	32.4	30.0	33.8	28.4	34.9	32.7	33.3	35.4	31.9	32.2	30.9	33.0
70.0	18.5	16.7	20.6	16.4	25.7	23.6	25.5	27.6	22.7	21.8	18.2	19.5
75.0	11.9	10.7	13.4	10.5	15.5	14.1	14.1	16.0	13.1	12.2	11.2	12.6
80.0	3.44	2.25	4.34	2.99	7.29	6.15	4.66	8.75	6.10	6.25	3.97	4.95
85.0	2.49	1.56	2.75	1.53	2.86	1.72	2.49	3.58	2.38	3.36	2.33	3.42
90.0	1.77	1.03	1.80	1.00	1.80	1.00	3.02	3.28	2.57	3.34	2.65	3.39

Test System:HOP00 HPG1600
Temperature:25.3DEG
Operators:
Test Date:10-07-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.150 m
Remarks: