

HOP00 GONIOPHOTOMETERS SYSTEM TEST REPORT

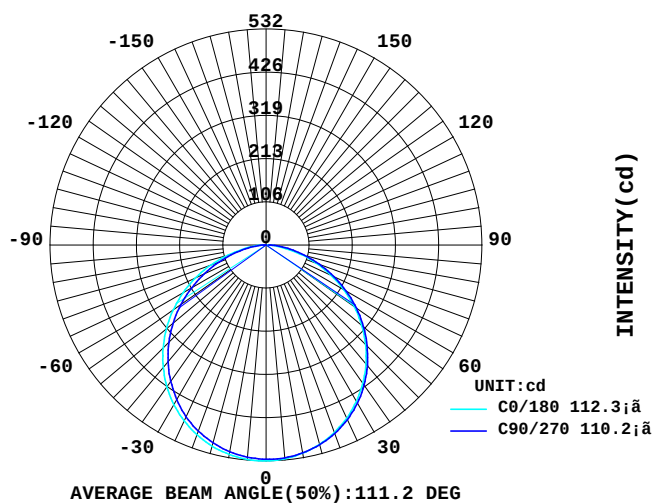
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

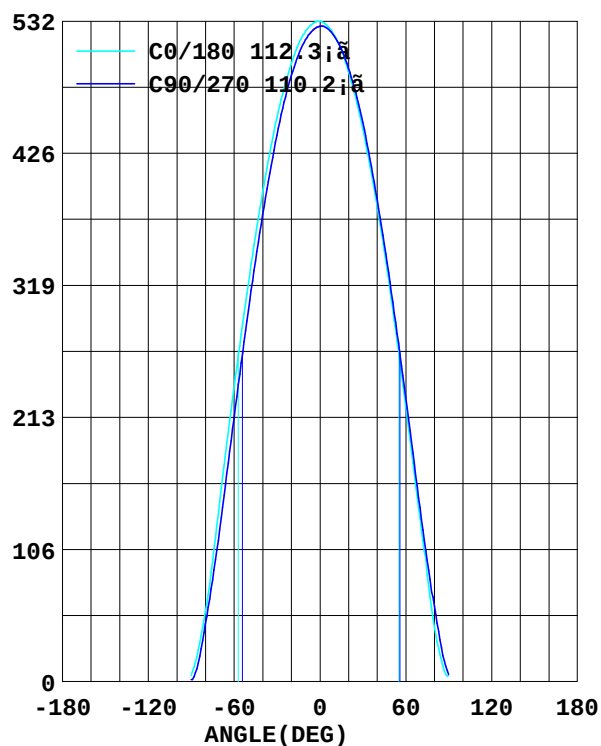
MANUFACTURER:		
Address:		
NAME: PANELL SQ18W	TYPE: 18W	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: LA/YE6L-990706

DATA OF LAMP		Imax(cd)	532.1	S/MH(C0/180)	1.27
MODEL	SMD	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.24
NOMINAL POWER(W)	18	TOTAL FLUX(lm)	1482.6	Voltage(V)	231.3
RATED VOLTAGE(V)	232	EFFICIENCY(lm/W)	80.6	Current(A)	0.080
NOMINAL FLUX(lm)	1482.7	η up(%)	0.0	Power(W)	18.40
LAMPS QUANTITY	1	η down(%)	100.0	Power Factor(PF)	0.982
TEST VOLTAGE(V)	231.4	Effective Flux(lm)	1482.7	EEI	0.169

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOP00 HPG1600
Temperature:25.3DEG
Operators:
Test Date:10-18-2020

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: PANELL SQ18W	TYPE: 18W	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: LA/YE6L-990706

Test System:HOP00 HPG1600
Temperature:25.3DEG
Operators:
Test Date:10-18-2020

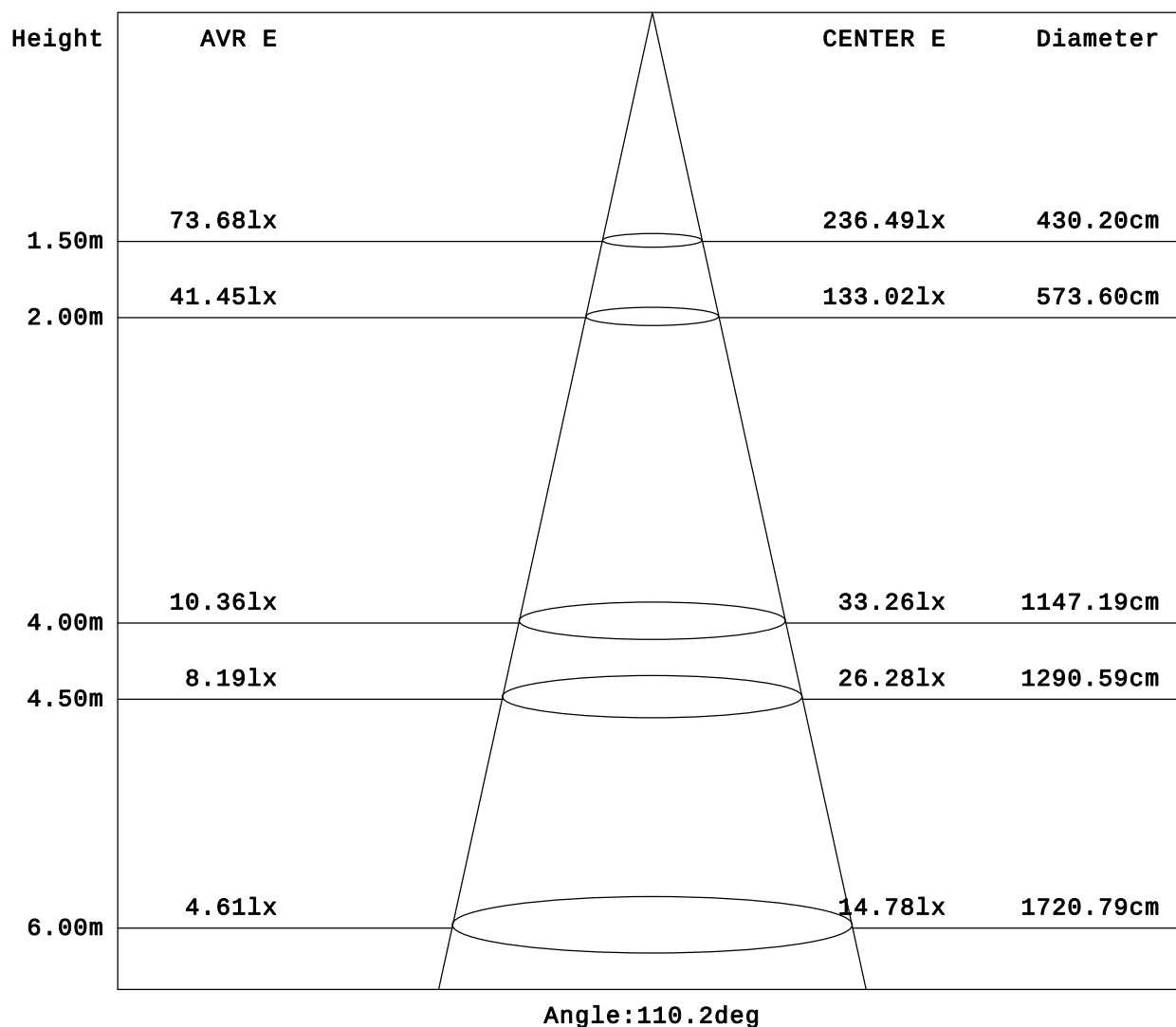
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Test Distance:5.150 m
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HOP00 GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:		
Address:		
NAME: PANELL SQ18W	TYPE: 18W	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: LA/YE6L-990706



Test System:HOP00 HPG1600
Temperature:25.3DEG
Operators:
Test Date:10-18-2020

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

HOP00 GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: PANELL SQ18W	TYPE: 18W	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: LA/YE6L-990706

γ	C0	C90	C180	C270					γ	zone	total
5.0	530.2	524.8	528.7	526.6					0- 5	12.64	12.64
10.0	524.0	517.3	520.7	520.0					5- 10	37.49	50.13
15.0	513.3	504.8	508.9	509.7					10- 15	61.08	111.2
20.0	497.7	488.2	491.6	494.4					15- 20	82.58	193.8
25.0	478.1	467.1	470.9	475.0					20- 25	101.2	295.0
30.0	454.4	440.0	445.3	450.7					25- 30	116.4	411.5
35.0	426.4	410.0	415.6	421.2					30- 35	127.5	539.0
40.0	394.4	376.1	383.6	388.7					35- 40	134.1	673.1
45.0	358.8	338.6	347.2	352.8					40- 45	136.0	809.1
50.0	320.8	299.3	307.5	313.5					45- 50	133.2	942.4
55.0	279.8	256.7	266.4	272.8					50- 55	125.8	1068
60.0	236.4	212.0	221.9	229.2					55- 60	114.0	1182
65.0	192.3	167.7	176.2	184.0					60- 65	98.41	1281
70.0	145.3	122.7	131.9	140.1					65- 70	79.75	1361
75.0	96.93	81.90	86.41	98.00					70- 75	58.93	1419
80.0	56.33	46.25	43.68	60.68					75- 80	37.61	1457
85.0	25.67	14.71	17.13	27.13					80- 85	19.58	1477
90.0	5.065	1.750	4.827	5.702					85- 90	6.023	1483
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:10-18-2020

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

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

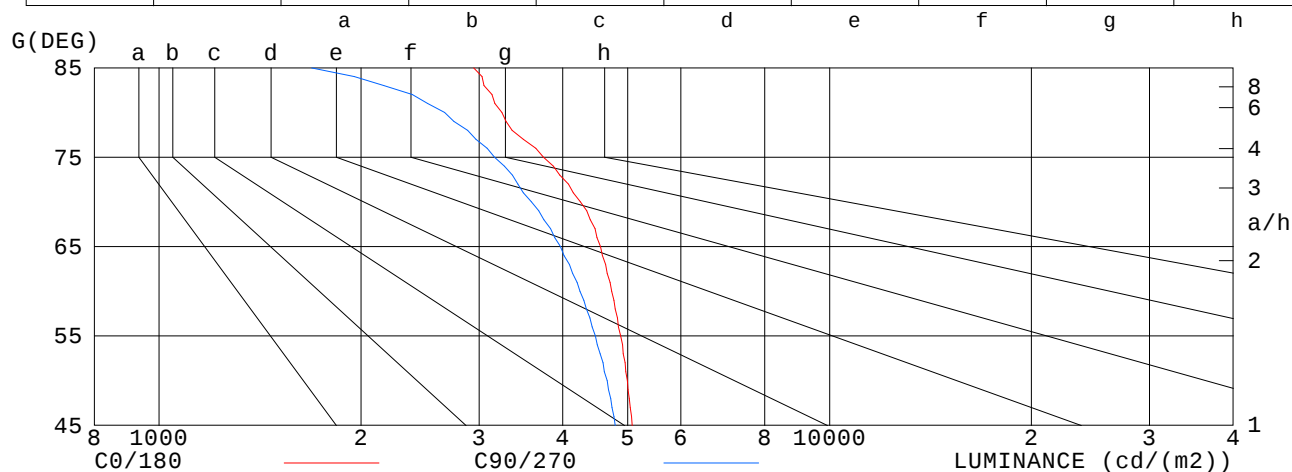
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		
Address:		
NAME: PANELL SQ18W	TYPE: 18W	WEIGHT:
SPECIFICATION:	DIMENSION:	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	2946	1689
80	3244	2664
75	3745	3164
70	4249	3589
65	4552	3968
60	4729	4241
55	4878	4476
50	4991	4657
45	5075	4790

Test System:HOP00 HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:10-18-2020

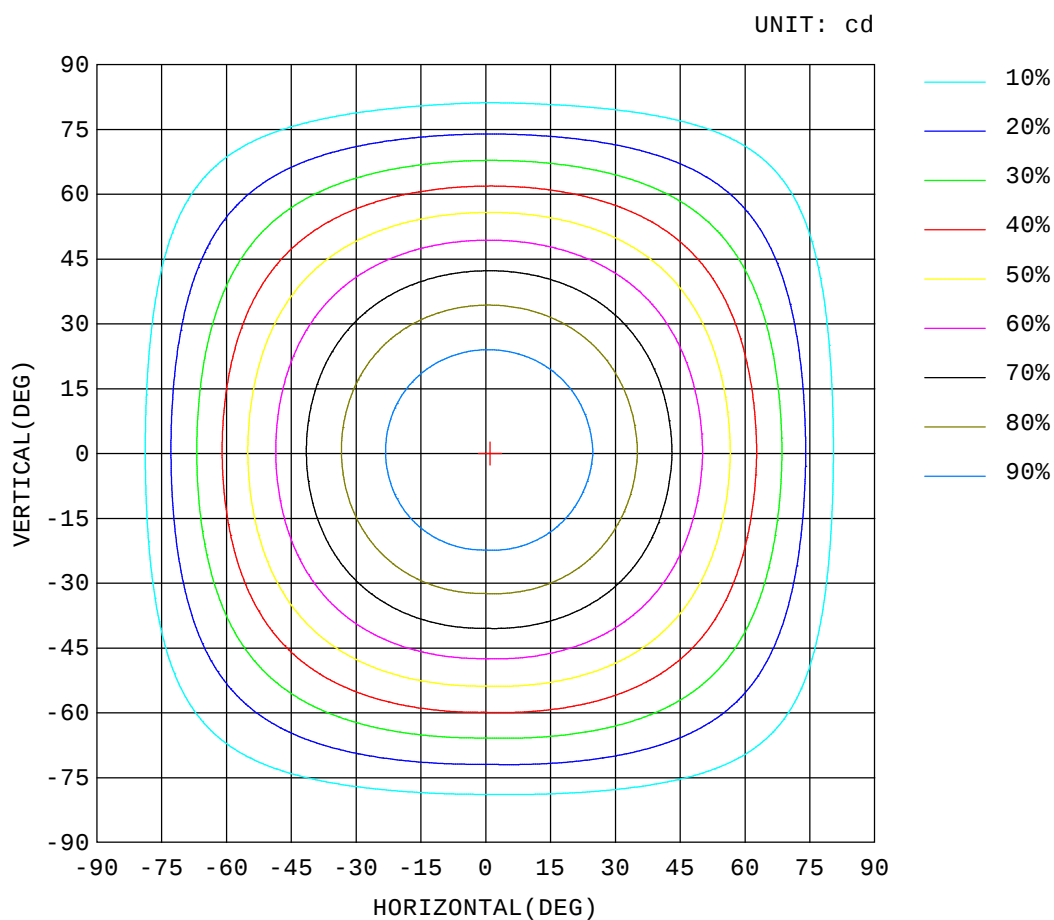
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 Test Distance:5.150 m
 Remarks:

HOP00 GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: PANELL SQ18W	TYPE: 18W	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: LA/YE6L-990706



Test System:HOP00 HPG1600
Temperature:25.3DEG
Operators:
Test Date:10-18-2020

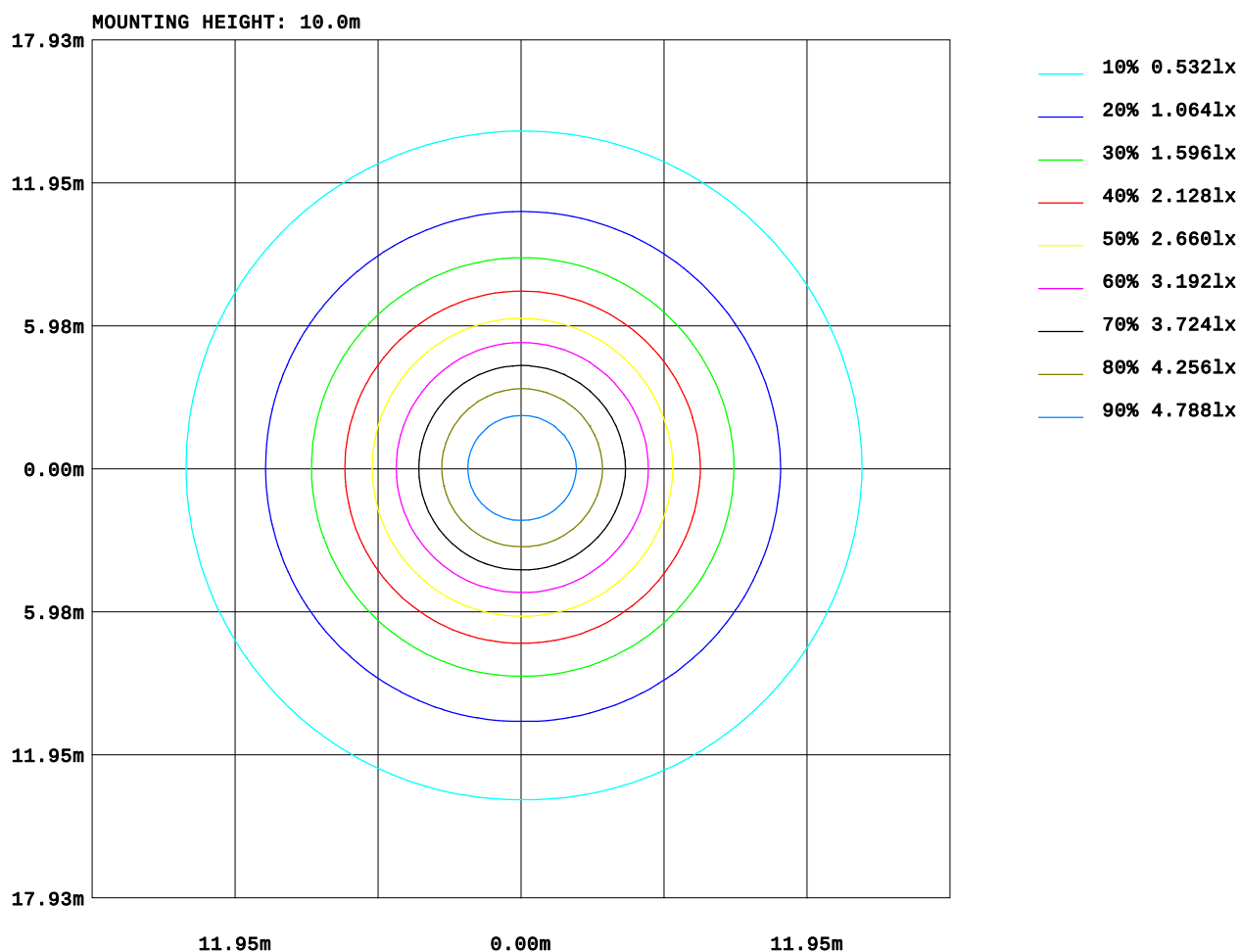
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.150 m
Remarks:

HOP00 GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: PANELL SQ18W	TYPE: 18W	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: LA/YE6L-990706



Test System:HOP00 HPG1600
Temperature:25.3DEG
Operators:
Test Date:10-18-2020

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: PANELL SQ18W	TYPE: 18W	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: LA/YE6L-990706

90	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	0.01	0.05	0.12	0.22	0.36	0.51	0.66	0.78	0.87	0.89	0.82	0.72	0.58	0.43	0.29	0.16	0.08	0.02	7.55	7.55		
80	0.02	0.11	0.35	0.73	1.22	1.78	2.29	2.70	2.94	2.96	2.75	2.38	1.89	1.35	0.85	0.44	0.16	0.03	24.9	24.9		
70	0.02	0.21	0.67	1.44	2.42	3.45	4.40	5.13	5.53	5.56	5.21	4.52	3.59	2.56	1.56	0.78	0.27	0.04	47.4	47.4		
60	0.03	0.31	1.05	2.23	3.66	5.17	6.55	7.60	8.17	8.20	7.68	6.68	5.34	3.85	2.38	1.15	0.39	0.05	70.5	70.5		
50	0.04	0.42	1.43	2.96	4.83	6.78	8.53	9.86	10.5	10.6	9.94	8.67	6.95	5.02	3.15	1.55	0.50	0.07	91.9	91.9		
40	0.05	0.54	1.76	3.60	5.84	8.14	10.2	11.7	12.6	12.6	11.8	10.3	8.32	6.03	3.80	1.91	0.61	0.08	110	110		
30	0.06	0.63	2.02	4.11	6.63	9.22	11.5	13.3	14.2	14.2	13.4	11.7	9.40	6.83	4.32	2.19	0.70	0.09	125	125		
VERTICAL (DEG)	0.07	0.69	2.20	4.46	7.16	9.95	12.4	14.3	15.3	15.3	14.4	12.6	10.1	7.39	4.68	2.38	0.77	0.09	135	135		
	0.07	0.72	2.29	4.63	7.43	10.3	12.8	14.8	15.8	15.9	14.9	13.0	10.5	7.68	4.87	2.48	0.80	0.09	140	140		
	0.07	0.72	2.28	4.62	7.42	10.2	12.8	14.8	15.8	15.8	14.9	13.0	10.5	7.66	4.85	2.47	0.80	0.09	139	139		
	0.07	0.68	2.18	4.43	7.12	9.88	12.3	14.2	15.2	15.2	14.3	12.5	10.0	7.34	4.65	2.36	0.76	0.09	134	134		
	0.06	0.62	1.99	4.06	6.54	9.10	11.4	13.1	14.0	14.0	13.2	11.5	9.29	6.75	4.26	2.16	0.70	0.08	123	123		
	0.05	0.52	1.72	3.53	5.72	7.99	10.0	11.5	12.3	12.3	11.6	10.1	8.16	5.92	3.73	1.87	0.60	0.08	108	108		
	0.04	0.41	1.39	2.87	4.69	6.58	8.28	9.54	10.2	10.2	9.63	8.41	6.75	4.88	3.06	1.51	0.49	0.06	89.1	89.1		
	0.03	0.30	1.01	2.13	3.50	4.95	6.25	7.22	7.73	7.75	7.30	6.38	5.12	3.69	2.28	1.11	0.37	0.05	67.2	67.2		
	0.02	0.19	0.62	1.35	2.26	3.21	4.07	4.72	5.05	5.08	4.80	4.19	3.35	2.39	1.46	0.73	0.26	0.04	43.8	43.8		
	0.01	0.10	0.30	0.63	1.07	1.55	2.00	2.33	2.50	2.51	2.38	2.08	1.66	1.19	0.76	0.39	0.15	0.03	21.6	21.6		
-90	0.01	0.04	0.09	0.16	0.25	0.35	0.44	0.51	0.55	0.56	0.55	0.50	0.42	0.32	0.22	0.13	0.07	0.02	5.16	5.16		
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																						
Φ t	0.76	7.25	23.5	48.2	78.1	109	137	158	170	170	160	140	112	81.3	51.2	25.8	8.49	1.09	1483			
Φ a	0.76	7.25	23.5	48.2	78.1	109	137	158	170	170	160	140	112	81.3	51.2	25.8	8.49	1.09		1483		

Test System:HOP00 HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:10-18-2020

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

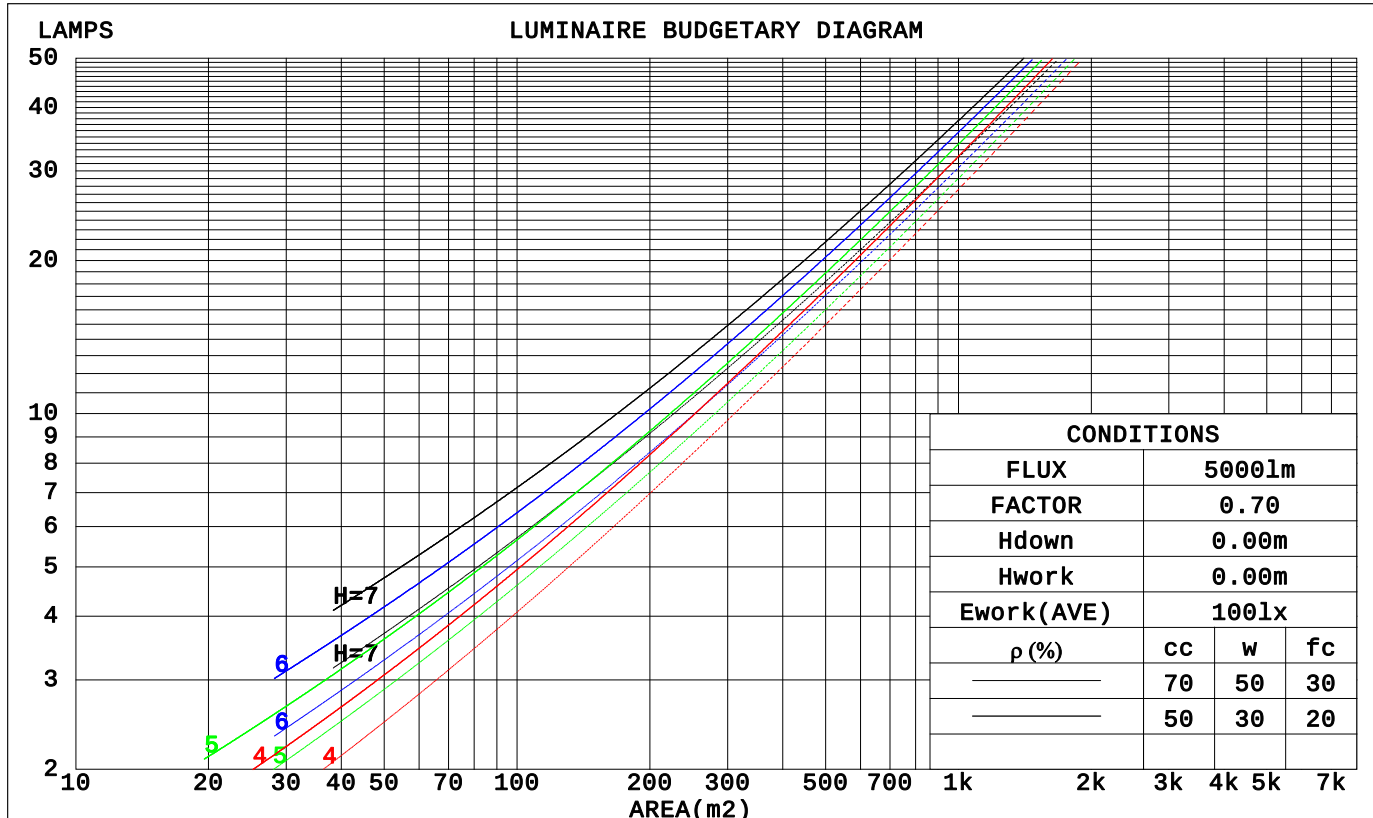
HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: PANELL SQ18W	TYPE: 18W	WEIGHT:
SPECIFICATION:	DIMENSION:	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 Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.90	.96	1.02	.98	.95	.98	.94	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.83	.77	.85	.80	.76	.82	.78	.74	.79	.75	.72	.70
3.0	.80	.72	.65	.78	.71	.65	.75	.69	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.71	.62	.55	.69	.61	.55	.67	.60	.54	.65	.58	.53	.62	.57	.53	.50
5.0	.63	.54	.48	.62	.54	.47	.60	.52	.47	.58	.51	.46	.56	.50	.46	.44
6.0	.57	.48	.42	.56	.47	.41	.54	.47	.41	.52	.46	.41	.51	.45	.40	.38
7.0	.52	.43	.37	.51	.42	.37	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8.0	.47	.39	.33	.46	.38	.33	.45	.38	.32	.44	.37	.32	.43	.37	.32	.30
9.0	.43	.35	.29	.43	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.26	.37	.31	.26	.36	.31	.26	.24



Test System:HOP00 HPG1600
 Temperature:25.3DEG
 Operators:
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Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
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 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Report number:

MANUFACTURER:														
Address:														
NAME: PANELL SQ18W								TYPE: 18W			WEIGHT:			
SPECIFICATION:								DIMENSION:			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	.305	.173	.055	.298	.170	.054	.284	.163	.052	.272	.157	.050	.261	.151	.049	
2.0	.288	.158	.048	.282	.155	.048	.270	.150	.047	.259	.145	.046	.249	.141	.044	
3.0	.267	.142	.043	.262	.140	.042	.251	.136	.041	.242	.132	.041	.233	.129	.040	
4.0	.247	.128	.038	.242	.127	.037	.233	.124	.037	.224	.121	.036	.217	.118	.036	
5.0	.229	.117	.034	.224	.115	.034	.216	.113	.033	.209	.110	.033	.202	.108	.032	
6.0	.212	.106	.030	.208	.105	.030	.201	.103	.030	.194	.101	.030	.188	.099	.029	
7.0	.198	.098	.028	.194	.097	.028	.188	.095	.027	.182	.093	.027	.176	.092	.027	
8.0	.185	.090	.025	.182	.089	.025	.176	.088	.025	.171	.086	.025	.165	.085	.025	
9.0	.173	.084	.023	.171	.083	.023	.165	.082	.023	.160	.080	.023	.156	.079	.023	
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.022	.151	.075	.021	.147	.074	.021	

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	.180	.156	.135	.154	.134	.116	.105	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.172	.132	.098	.147	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.164	.114	.075	.141	.099	.065	.096	.068	.045	.056	.040	.027	.018	.013	.009	
4.0	.156	.101	.059	.134	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.149	.091	.047	.128	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.129	.069	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.004	
9.0	.123	.064	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

Test System:HOP00 HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:10-18-2020

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: PANELL SQ18W					TYPE: 18W			WEIGHT:			
SPECIFICATION:					DIMENSION:			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	18.4	19.9	18.7	20.1	20.3	18.0	19.5	18.3	19.7	19.9
	3H	19.9	21.3	20.2	21.5	21.8	19.3	20.7	19.6	21.0	21.2
	4H	20.4	21.8	20.7	22.0	22.3	19.8	21.2	20.1	21.4	21.7
	6H	20.8	22.0	21.1	22.3	22.6	20.1	21.4	20.5	21.7	21.9
	8H	20.9	22.1	21.2	22.4	22.7	20.2	21.4	20.5	21.7	22.0
	12H	21.0	22.1	21.3	22.4	22.7	20.2	21.4	20.6	21.7	22.0
4H	2H	18.9	20.3	19.3	20.5	20.8	18.6	20.0	19.0	20.2	20.5
	3H	20.6	21.8	21.0	22.1	22.4	20.1	21.3	20.5	21.6	21.9
	4H	21.3	22.3	21.6	22.6	23.0	20.7	21.8	21.1	22.1	22.5
	6H	21.7	22.7	22.1	23.0	23.4	21.2	22.1	21.6	22.4	22.8
	8H	21.9	22.8	22.3	23.1	23.5	21.3	22.1	21.7	22.5	22.9
	12H	22.0	22.8	22.4	23.2	23.6	21.3	22.1	21.7	22.5	22.9
8H	4H	21.5	22.3	21.9	22.7	23.1	21.0	21.9	21.4	22.2	22.6
	6H	22.0	22.8	22.5	23.2	23.6	21.5	22.3	22.0	22.7	23.1
	8H	22.3	22.9	22.8	23.4	23.8	21.7	22.4	22.2	22.8	23.2
	12H	22.5	23.0	23.0	23.5	24.0	21.8	22.4	22.3	22.8	23.3
12H	4H	21.4	22.3	21.9	22.6	23.0	21.0	21.8	21.4	22.2	22.6
	6H	22.1	22.7	22.5	23.2	23.6	21.6	22.2	22.0	22.7	23.1
	8H	22.4	22.9	22.8	23.4	23.8	21.8	22.4	22.3	22.8	23.3
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.1 / - 0.3					+ 0.2 / - 0.4					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					

CIE Pub.117 Corrected 1483 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.4)

Test System:HOP00 HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:10-18-2020

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: PANELL SQ18W	TYPE: 18W	WEIGHT:
SPECIFICATION:	DIMENSION:	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) $k(RI) \times RCR = 5$									
$k = 0.60$	58	46	39	57	46	39	56	46	39	33
0.80	68	56	49	67	56	49	65	55	49	42
1.00	76	65	58	75	65	58	73	66	57	50
1.25	84	73	66	82	72	66	79	71	65	58
1.50	89	79	72	87	78	71	84	76	70	63
2.00	95	87	81	94	86	80	90	83	78	70
2.50	99	92	86	97	90	85	93	88	83	75
3.00	103	96	90	100	94	89	96	91	87	79
4.00	106	101	96	104	99	95	100	96	92	83
5.00	109	104	100	106	102	99	102	99	95	86
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:10-18-2020

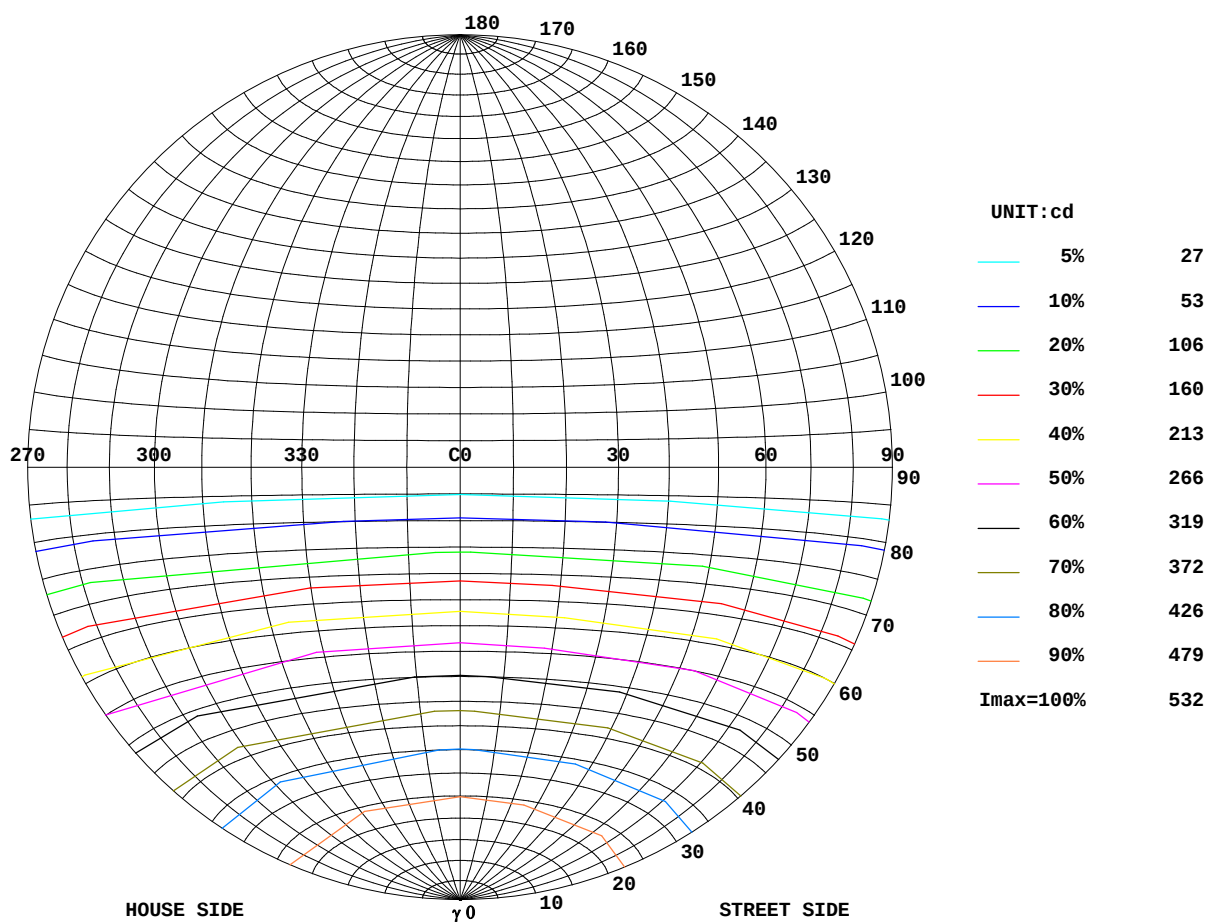
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.150 m
 Remarks:

HOP00 GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: PANELL SQ18W	TYPE: 18W	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: LA/YE6L-990706



Test System:HOP00 HPG1600
Temperature:25.3DEG
Operators:
Test Date:10-18-2020

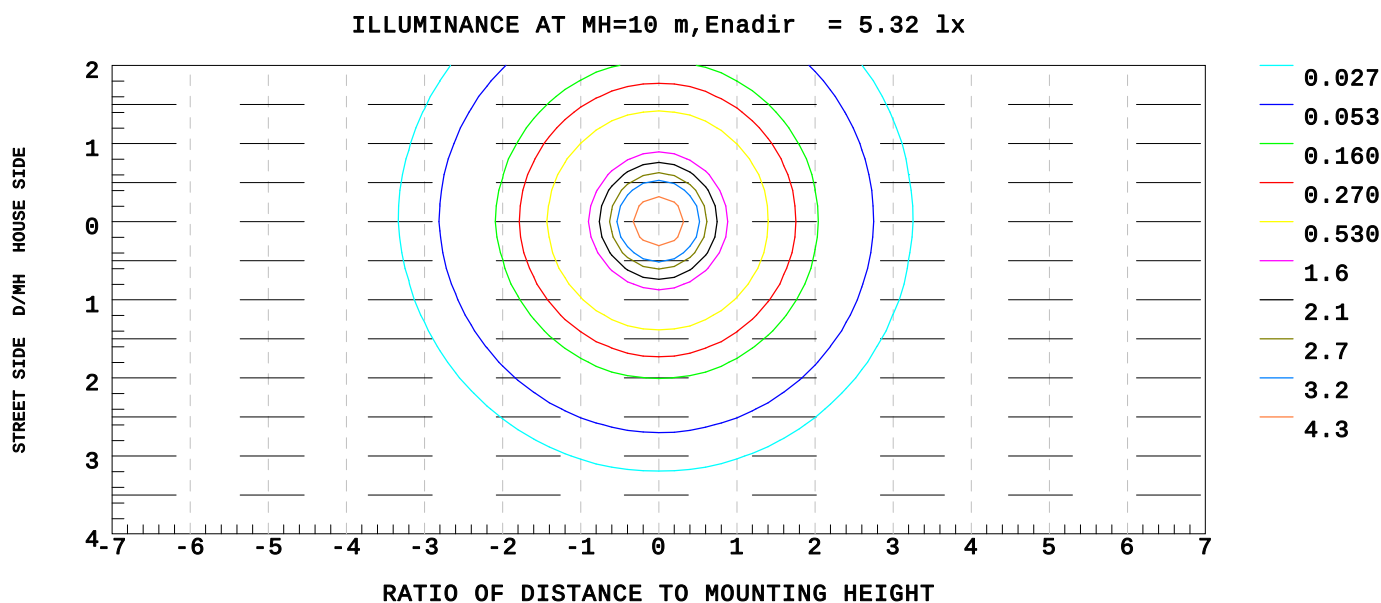
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.150 m
Remarks:

HOP00 GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: PANELL SQ18W	TYPE: 18W	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: LA/YE6L-990706



Test System:HOP00 HPG1600
Temperature:25.3DEG
Operators:
Test Date:10-18-2020

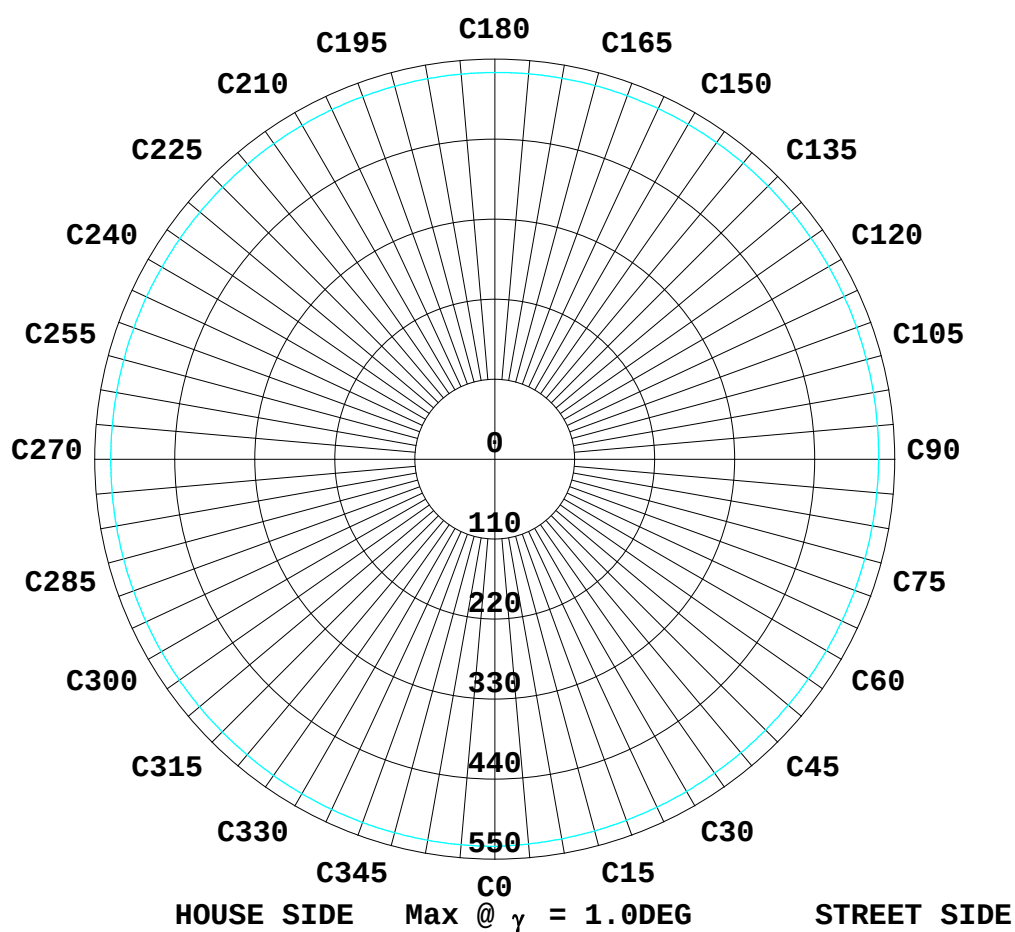
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.150 m
Remarks:

HOP00 GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: PANELL SQ18W	TYPE: 18W	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: LA/YE6L-990706



Test System:HOP00 HPG1600
Temperature:25.3DEG
Operators:
Test Date:10-18-2020

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: PANELL SQ18W	TYPE: 18W	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: LA/YE6L-990706

UNIT: cd

C(DEG) γ (DEG)	0	90	180	270
0.0	532	528	532	528
5.0	530	525	529	527
10.0	524	517	521	520
15.0	513	505	509	510
20.0	498	488	492	494
25.0	478	467	471	475
30.0	454	440	445	451
35.0	426	410	416	421
40.0	394	376	384	389
45.0	359	339	347	353
50.0	321	299	308	314
55.0	280	257	266	273
60.0	236	212	222	229
65.0	192	168	176	184
70.0	145	123	132	140
75.0	96.9	81.9	86.4	98.0
80.0	56.3	46.2	43.6	60.6
85.0	25.6	14.7	17.1	27.1
90.0	5.06	1.75	4.82	5.70

Test System:HOP00 HPG1600
Temperature:25.3DEG
Operators:
Test Date:10-18-2020

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