

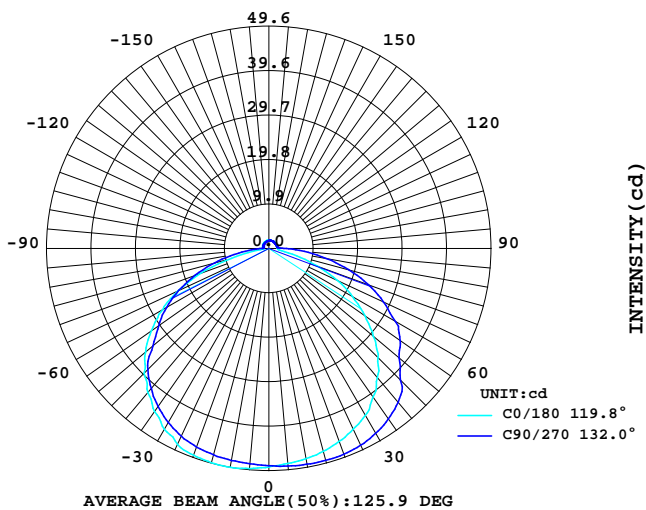
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

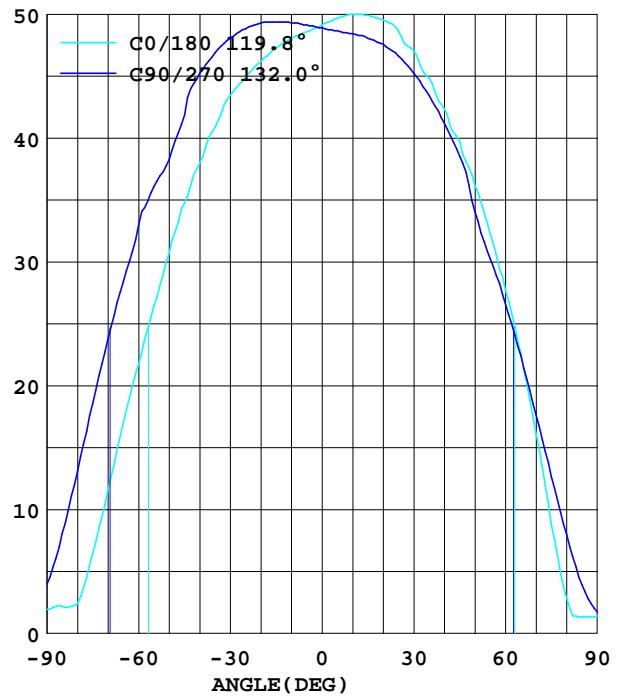
MANUFACTURER:			
Address:			
NAME: 36-RS-5050-12V-48Z-08-X-Y G		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050/48D	CCT(K): 0	DIMENSION: 1M*0.008M	SERIAL No.: 20211124014

DATA OF LAMP		Imax(cd)	49.63	S/MH(C0/180)	1.31
MODEL	5050	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.46
NOMINAL POWER(W)	3	TOTAL FLUX(lm)	182.91	Voltage(V)	11.99
RATED VOLTAGE(V)	12	EFFICIENCY(lm/W)	70.6	Current(A)	0.215
NOMINAL FLUX(lm)	182.9	h up(%)	5.9	Power(W)	2.590
LAMPS QUANTITY	1	h down(%)	94.1	Power Factor(PF)	1.000
TEST VOLTAGE(V)	12.0	Effective Flux(lm)	170.1	EEL	0.131

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年11月24日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.800 m  
 Remarks:

## Color Temperature Data List

Report number:

MANUFACTURER:			
Address:			
NAME: 36-RS-5050-12V-48Z-08-X-Y G		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050/48D	CCT(K): 0	DIMENSION: 1M*0.008M	SERIAL No.: 20211124014

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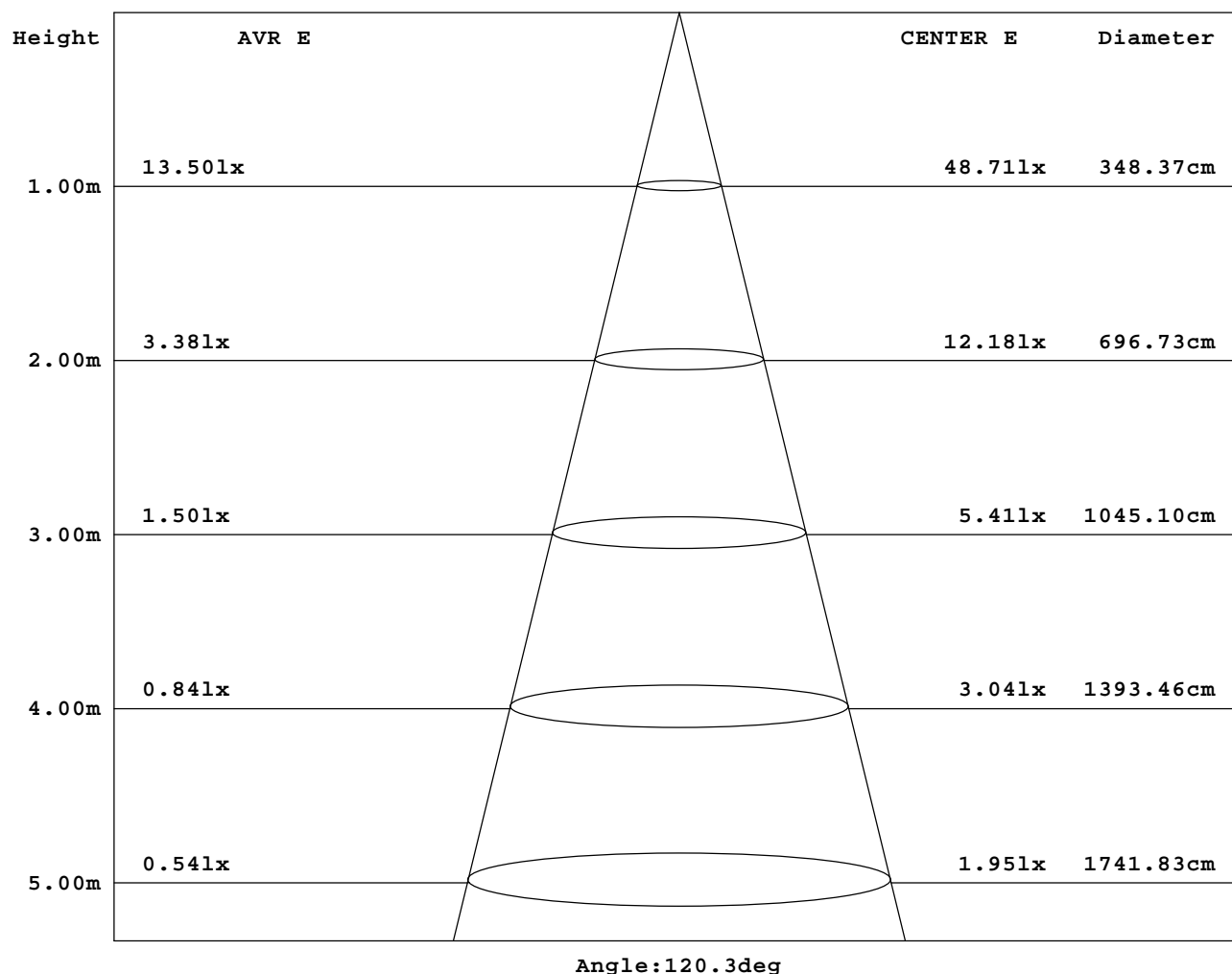
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2021年11月24日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.800 m  
Remarks:

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:			
Address:			
NAME: 36-RS-5050-12V-48Z-08-X-Y G		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050/48D	CCT(K): 0	DIMENSION: 1M*0.008M	SERIAL No.: 20211124014



Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2021年11月24日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 8.800 m  
 Remarks:

## GONIOPHOTOMETERS SYSTEM TEST REPORT

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 36-RS-5050-12V-48Z-08-X-Y G		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050/48D	CCT(K): 0	DIMENSION: 1M*0.008M	SERIAL No.: 20211124014

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	tBtal
5.0	48.16	48.16	48.70	49.17	49.25	48.78	48.24	48.16	0- 5	1.161	1.161
10.0	47.62	47.85	48.86	49.48	49.56	49.09	48.01	47.62	5- 10	3.473	4.634
15.0	46.85	47.39	48.94	49.63	49.48	49.17	47.62	47.00	10- 15	5.742	10.37
20.0	45.76	46.69	48.86	49.56	49.09	49.09	47.16	46.15	15- 20	7.918	18.29
25.0	44.52	45.68	48.40	49.17	48.24	48.94	46.23	44.99	20- 25	9.950	28.24
30.0	43.05	44.45	47.62	48.55	46.61	48.55	44.83	43.59	25- 30	11.75	40.00
35.0	40.50	42.97	46.46	47.62	44.45	47.93	43.05	41.89	30- 35	13.29	53.29
40.0	37.63	41.19	44.83	46.23	41.97	46.85	40.81	39.88	35- 40	14.48	67.77
45.0	34.46	38.95	41.50	44.45	39.33	45.30	38.17	37.63	40- 45	15.27	83.05
50.0	30.43	36.39	37.94	42.35	35.85	43.28	33.76	35.00	45- 50	15.54	98.60
55.0	26.25	31.98	35.77	38.02	31.98	40.65	29.96	31.82	50- 55	15.29	113.8
60.0	21.52	26.79	32.67	33.37	27.41	35.54	26.32	27.33	55- 60	14.42	128.3
65.0	16.80	22.76	28.11	29.42	22.38	28.88	22.22	22.76	60- 65	12.85	141.1
70.0	11.53	17.65	23.61	24.08	16.03	23.38	17.50	17.57	65- 70	10.89	152.0
75.0	6.427	12.39	18.43	17.88	8.673	18.89	12.54	13.24	70- 75	8.586	160.6
80.0	2.400	8.440	12.93	12.54	2.787	12.00	7.898	9.137	75- 80	5.840	166.5
85.0	2.168	4.646	7.976	6.582	1.316	7.356	3.872	5.730	80- 85	3.644	170.1
90.0	1.936	2.013	3.949	2.168	1.393	3.175	1.703	3.175	85- 90	1.949	172.1
95.0	1.936	1.316	2.168	1.239	1.393	2.245	1.316	2.090	90- 95	1.067	173.1
100.0	1.858	1.316	1.936	1.239	1.393	2.090	1.316	2.013	95-100	0.909	174.0
105.0	1.858	1.393	1.858	1.316	1.471	2.013	1.316	1.936	100-105	0.880	174.9
110.0	1.858	1.393	1.858	1.316	1.471	2.013	1.393	1.936	105-110	0.865	175.8
115.0	1.858	1.471	1.781	1.393	1.548	1.936	1.393	1.936	110-115	0.838	176.6
120.0	1.858	1.471	1.781	1.393	1.548	1.936	1.471	1.936	115-120	0.815	177.4
125.0	1.858	1.471	1.781	1.393	1.626	1.936	1.471	1.858	120-125	0.773	178.2
130.0	1.858	1.548	1.781	1.471	1.626	1.936	1.548	1.936	125-130	0.735	178.9
135.0	1.858	1.548	1.781	1.471	1.703	1.858	1.548	1.858	130-135	0.692	179.6
140.0	1.858	1.626	1.858	1.548	1.703	1.936	1.548	1.858	135-140	0.639	180.3
145.0	1.858	1.626	1.858	1.548	1.781	1.936	1.626	1.936	140-145	0.585	180.9
150.0	1.858	1.626	1.858	1.548	1.781	1.936	1.626	1.858	145-150	0.518	181.4
155.0	1.858	1.626	1.858	1.548	1.781	1.858	1.626	1.858	150-155	0.445	181.8
160.0	1.858	1.703	1.858	1.626	1.858	1.858	1.703	1.858	155-160	0.373	182.2
165.0	1.858	1.703	1.858	1.626	1.858	1.858	1.703	1.858	160-165	0.295	182.5
170.0	1.858	1.703	1.858	1.626	1.858	1.858	1.703	1.858	165-170	0.212	182.7
175.0	1.858	1.703	1.858	1.626	1.858	1.858	1.703	1.858	170-175	0.128	182.8
180.0	1.858	1.703	1.858	1.703	1.936	1.858	1.703	1.781	175-180	0.043	182.9
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2021年11月24日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.800 m  
Remarks:

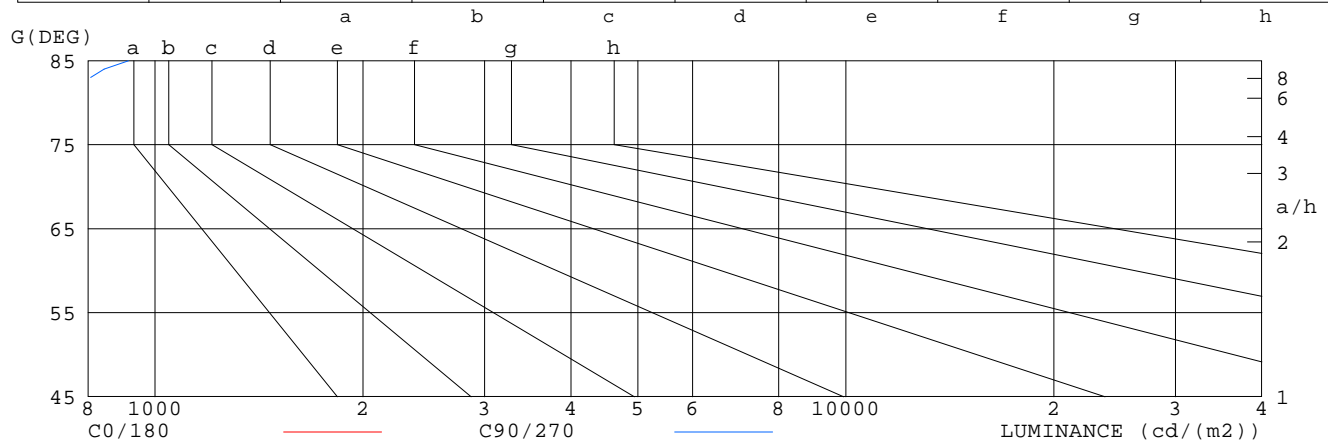
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME: 36-RS-5050-12V-48Z-08-X-Y G		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050/48D	CCT(K): 0	DIMENSION: 1M*0.008M	SERIAL No.: 20211124014

## 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	249	915
80	138	745
75	248	712
70	337	691
65	398	665
60	431	654
55	458	624
50	473	590
45	487	587

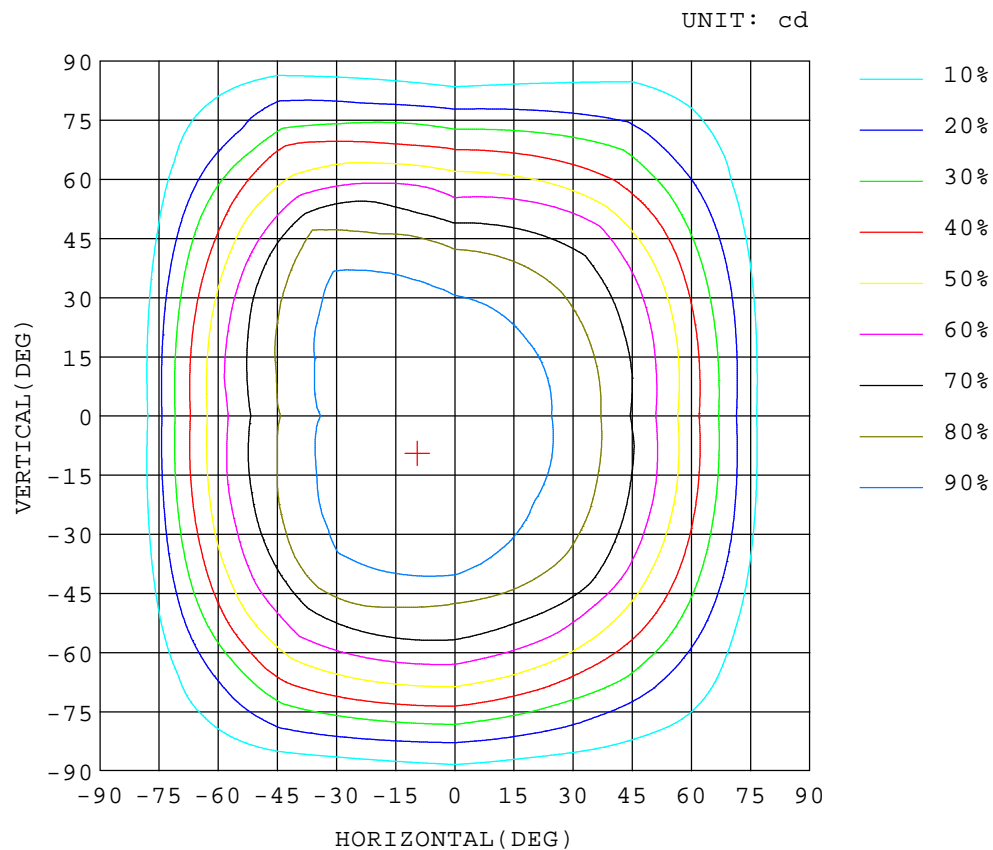
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2021年11月24日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 8.800 m  
 Remarks:

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 36-RS-5050-12V-48Z-08-X-Y G		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050/48D	CCT(K): 0	DIMENSION: 1M*0.008M	SERIAL No.: 20211124014



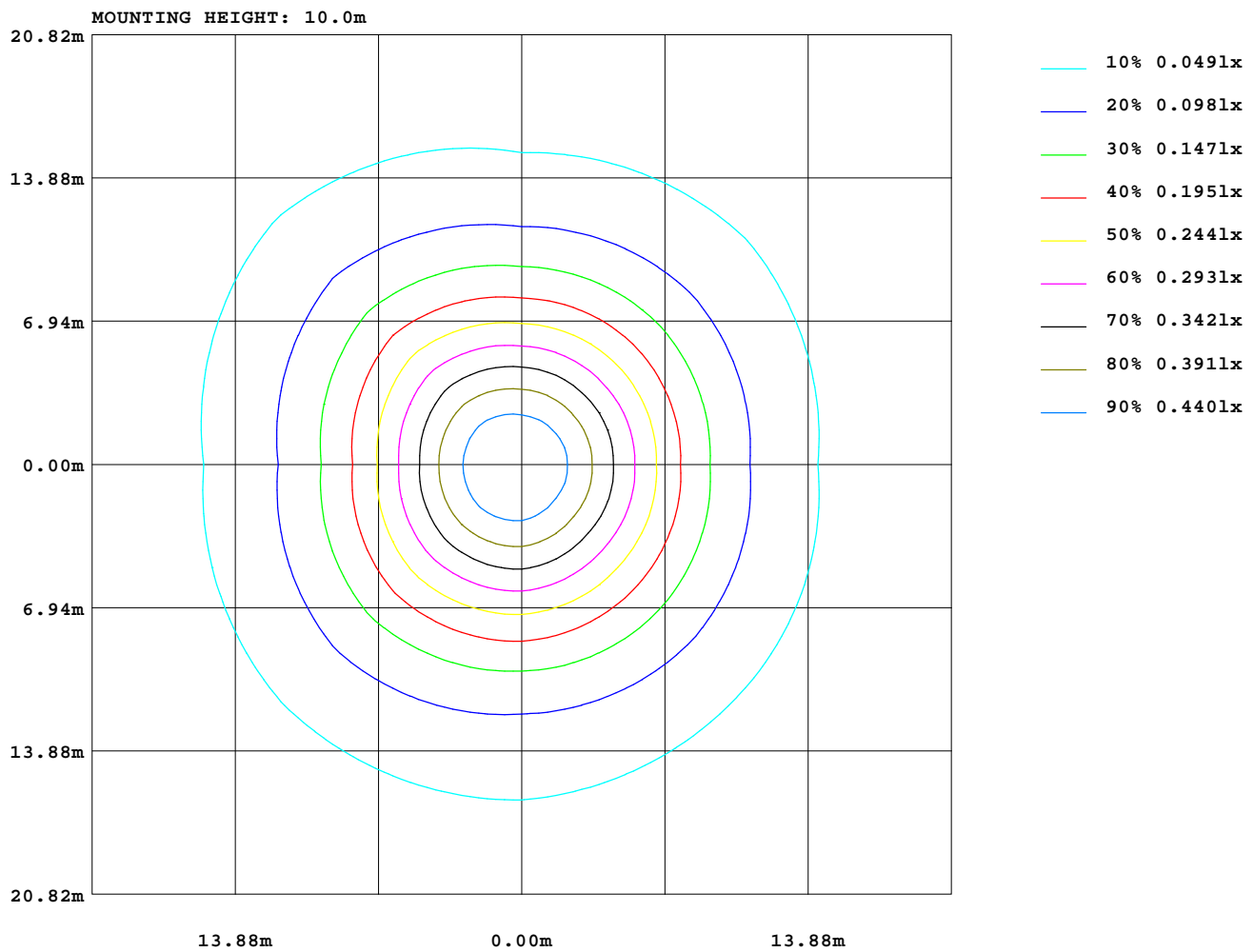
Test System: HOPOO HPG1800  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2021年11月24日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity: 65.0%  
Test Distance: 8.800 m  
Remarks:

## ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 36-RS-5050-12V-48Z-08-X-Y G		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050/48D	CCT(K): 0	DIMENSION: 1M*0.008M	SERIAL No.: 20211124014



Test System: HOPOO HPG1800  
Temperature: 25.3DEG  
Operators:  
Test Date: 2021年11月24日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity: 65.0%  
Test Distance: 8.800 m  
Remarks:

# GONIOPHOTOMETERS SYSTEM TEST REPORT

## AREA LUMINOUS FLUX

Report number:

MANUFACTURER:			
Address:			
NAME: 36-RS-5050-12V-48Z-08-X-Y G		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050/48D	CCT(K): 0	DIMENSION: 1M*0.008M	SERIAL No.: 20211124014

VERTICAL(°)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	0.00	0.02	0.04	0.08	0.13	0.15	0.16	0.15	0.14	0.13	0.14	0.13	0.12	0.10	0.07	0.04	0.02	0.01	1.62	0.91		
90																						
80	0.00	0.02	0.07	0.16	0.27	0.35	0.40	0.41	0.40	0.38	0.36	0.32	0.27	0.20	0.12	0.06	0.03	0.01	3.83	3.71		
70	0.00	0.03	0.11	0.26	0.44	0.58	0.66	0.70	0.69	0.67	0.63	0.55	0.45	0.32	0.18	0.08	0.03	0.01	6.37	6.30		
60	0.01	0.04	0.16	0.36	0.58	0.80	0.93	0.97	0.95	0.91	0.87	0.77	0.63	0.44	0.26	0.11	0.03	0.01	8.83	8.77		
50	0.01	0.05	0.21	0.44	0.73	1.00	1.12	1.17	1.17	1.14	1.07	0.95	0.79	0.56	0.33	0.15	0.04	0.01	10.9	10.9		
40	0.01	0.06	0.25	0.51	0.82	1.07	1.24	1.31	1.32	1.29	1.21	1.07	0.89	0.65	0.39	0.18	0.05	0.01	12.3	12.3		
30	0.01	0.07	0.27	0.56	0.85	1.10	1.30	1.39	1.41	1.38	1.29	1.15	0.95	0.70	0.44	0.20	0.05	0.01	13.1	13.1		
	0.00	0.08	0.29	0.57	0.86	1.11	1.32	1.43	1.46	1.43	1.34	1.20	0.99	0.74	0.46	0.22	0.06	0.01	13.5	13.5		
	0.00	0.08	0.29	0.57	0.85	1.11	1.32	1.44	1.48	1.45	1.37	1.22	1.01	0.75	0.46	0.22	0.06	0.01	13.7	13.6		
	0.00	0.08	0.29	0.57	0.85	1.11	1.32	1.45	1.49	1.45	1.37	1.23	1.01	0.75	0.46	0.22	0.06	0.01	13.7	13.7		
	0.00	0.08	0.29	0.56	0.86	1.11	1.32	1.45	1.49	1.46	1.36	1.21	1.00	0.74	0.46	0.22	0.06	0.01	13.7	13.6		
-30	0.00	0.07	0.27	0.54	0.84	1.09	1.30	1.42	1.46	1.44	1.33	1.18	0.97	0.72	0.44	0.20	0.05	0.01	13.3	13.3		
-40	0.01	0.06	0.25	0.50	0.78	1.05	1.24	1.35	1.40	1.38	1.27	1.12	0.92	0.65	0.39	0.18	0.05	0.01	12.6	12.6		
-50	0.01	0.05	0.21	0.44	0.69	0.95	1.12	1.22	1.27	1.24	1.15	1.00	0.80	0.56	0.34	0.15	0.04	0.01	11.2	11.2		
-60	0.00	0.04	0.16	0.36	0.59	0.79	0.94	1.04	1.08	1.06	0.97	0.83	0.64	0.45	0.26	0.11	0.03	0.01	9.36	9.31		
-70	0.00	0.03	0.11	0.25	0.44	0.60	0.73	0.81	0.85	0.83	0.74	0.62	0.47	0.32	0.18	0.08	0.03	0.01	7.08	7.00		
-80	0.00	0.02	0.07	0.15	0.27	0.38	0.46	0.52	0.55	0.54	0.47	0.38	0.28	0.19	0.11	0.05	0.02	0.01	4.46	4.33		
-90	0.00	0.02	0.04	0.07	0.11	0.15	0.19	0.22	0.24	0.23	0.20	0.16	0.12	0.08	0.05	0.03	0.02	0.01	1.94	1.36		
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(°)				20	30	40	50	60	70	80	90		
Φ t	0.09	0.90	3.35	6.93	10.9	14.5	17.1	18.5	18.9	18.4	17.1	15.1	12.3	8.92	5.40	2.51	0.70	0.11	183			
Φ a	0.00	0.67	3.23	6.84	10.8	14.4	17.0	18.4	18.8	18.3	17.1	15.0	12.2	8.82	5.28	2.34	0.41	0.00		170		

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年11月24日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.800 m  
 Remarks:



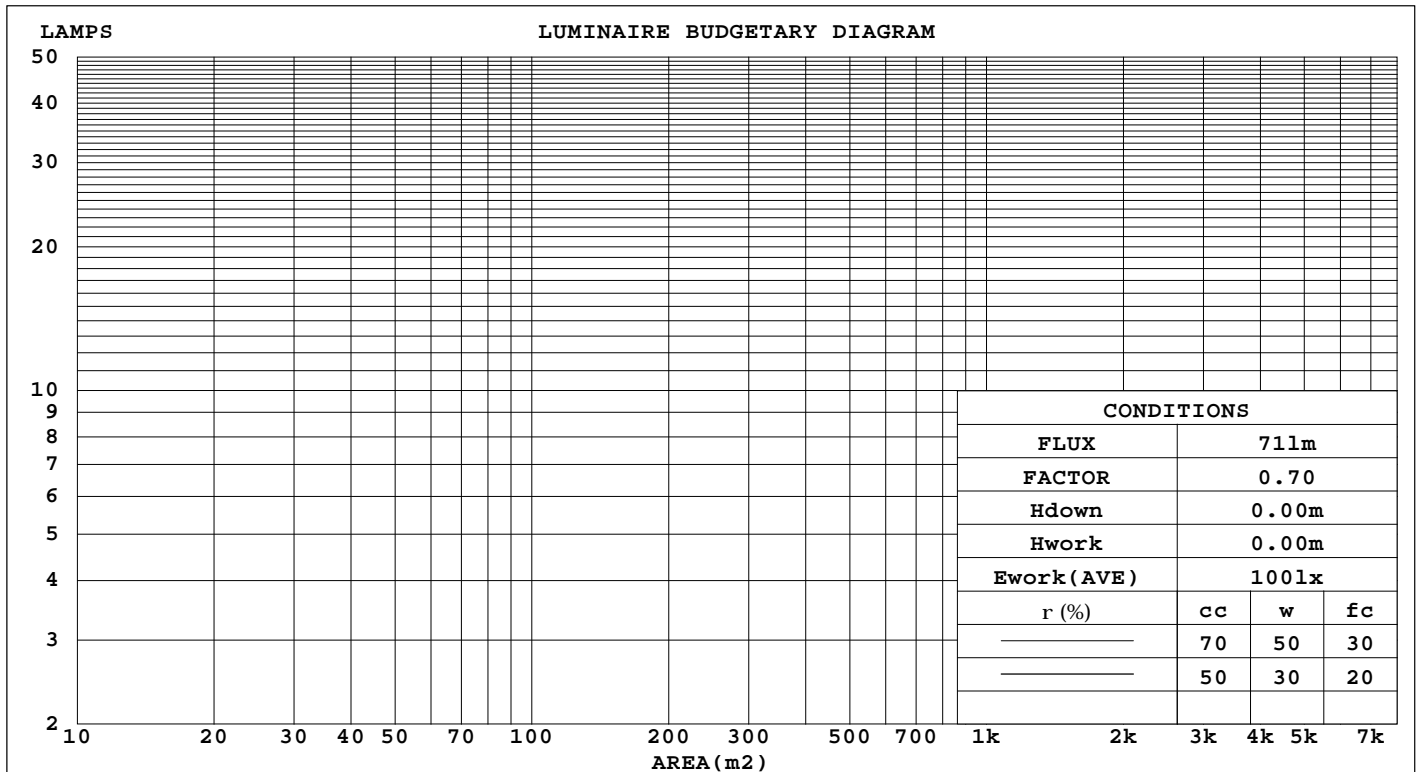
# GONIOPHOTOMETERS SYSTEM TEST REPORT

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 36-RS-5050-12V-48Z-08-X-Y G		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050/48D	CCT(K): 0	DIMENSION: 1M*0.008M	SERIAL No.: 20211124014

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.18	1.18	1.18	1.14	1.14	1.14	1.08	1.08	1.08	1.02	1.02	1.02	.97	.97	.97	.94
1.0	1.01	.97	.92	.98	.94	.90	.93	.90	.86	.88	.85	.83	.83	.81	.79	.77
2.0	.87	.80	.74	.85	.78	.73	.80	.75	.70	.76	.72	.68	.72	.69	.65	.63
3.0	.76	.67	.61	.74	.66	.60	.70	.63	.58	.67	.61	.56	.63	.58	.54	.52
4.0	.67	.58	.51	.65	.57	.50	.62	.54	.49	.59	.52	.47	.56	.51	.46	.44
5.0	.59	.50	.43	.58	.49	.43	.55	.47	.42	.52	.46	.41	.50	.44	.40	.37
6.0	.53	.44	.37	.52	.43	.37	.49	.42	.36	.47	.40	.35	.45	.39	.34	.32
7.0	.48	.39	.33	.47	.38	.32	.45	.37	.32	.43	.36	.31	.41	.35	.30	.28
8.0	.44	.35	.29	.43	.34	.29	.41	.33	.28	.39	.32	.28	.37	.31	.27	.25
9.0	.40	.31	.26	.39	.31	.26	.37	.30	.25	.36	.29	.25	.34	.29	.24	.22
10.0	.37	.29	.23	.36	.28	.23	.34	.27	.23	.33	.27	.22	.32	.26	.22	.20



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年11月24日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.800 m  
 Remarks:

# GONIOPHOTOMETERS SYSTEM TEST REPORT

## WEC AND CCEC

Report number:

MANUFACTURER:											
Address:											
NAME: 36-RS-5050-12V-48Z-08-X-Y G						TYPE: LED Strip			WEIGHT:		
SPECIFICATION: 5050/48D				CCT(K): 0		DIMENSION: 1M*0.008M			SERIAL No.: 20211124014		

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.333	.190	.060	.324	.185	.059	.308	.176	.056	.292	.169	.054	.278	.161	.052	
2.0	.308	.169	.052	.300	.165	.051	.285	.158	.049	.271	.152	.048	.258	.146	.046	
3.0	.282	.150	.045	.275	.147	.044	.261	.142	.043	.249	.136	.042	.238	.132	.041	
4.0	.258	.134	.039	.252	.132	.039	.240	.127	.038	.229	.123	.037	.219	.119	.036	
5.0	.238	.121	.035	.232	.119	.035	.221	.115	.034	.211	.111	.033	.202	.108	.032	
6.0	.220	.110	.032	.214	.108	.031	.205	.105	.031	.196	.102	.030	.187	.099	.029	
7.0	.204	.101	.029	.199	.099	.028	.190	.096	.028	.182	.093	.027	.174	.091	.027	
8.0	.190	.093	.026	.186	.091	.026	.178	.089	.025	.170	.086	.025	.163	.084	.024	
9.0	.177	.086	.024	.174	.085	.024	.166	.082	.023	.159	.080	.023	.153	.078	.022	
10.0	.166	.080	.022	.163	.079	.022	.156	.077	.022	.150	.075	.021	.144	.073	.021	

rcc	80%			70%			50%			30%			10%			0	
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
rfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.236	.236	.236	.201	.201	.201	.137	.137	.137	.079	.079	.079	.025	.025	.025		
1.0	.227	.201	.178	.195	.173	.153	.133	.119	.106	.077	.069	.062	.025	.022	.020		
2.0	.220	.178	.142	.188	.153	.123	.129	.106	.085	.074	.062	.050	.024	.020	.016		
3.0	.213	.160	.119	.182	.138	.103	.125	.096	.072	.072	.056	.043	.023	.018	.014		
4.0	.205	.147	.103	.176	.127	.090	.121	.089	.063	.070	.052	.037	.023	.017	.012		
5.0	.198	.137	.092	.170	.119	.080	.117	.083	.057	.068	.049	.034	.022	.016	.011		
6.0	.191	.129	.085	.164	.112	.074	.113	.078	.052	.066	.046	.031	.021	.015	.010		
7.0	.184	.122	.079	.158	.106	.069	.109	.074	.049	.063	.044	.029	.021	.014	.010		
8.0	.177	.117	.075	.153	.101	.065	.106	.071	.046	.061	.042	.028	.020	.014	.009		
9.0	.171	.112	.072	.147	.097	.062	.102	.068	.044	.059	.040	.026	.019	.013	.009		
10.0	.165	.107	.069	.142	.093	.060	.099	.066	.043	.058	.039	.026	.019	.013	.008		

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年11月24日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.800 m  
 Remarks:

# GONIOPHOTOMETERS SYSTEM TEST REPORT

## UGR Table

Report number:

MANUFACTURER:											
Address:											
NAME: 36-RS-5050-12V-48Z-08-X-Y G						TYPE: LED Strip		WEIGHT:			
SPECIFICATION: 5050/48D			CCT(K): 0			DIMENSION: 1M*0.008M		SERIAL No.: 20211124014			
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	9.8	11.3	10.1	11.6	11.9	11.1	12.6	11.5	12.9	13.3	
	3H	11.0	12.4	11.4	12.7	13.1	13.1	14.5	13.5	14.9	15.2
	4H	11.3	12.6	11.7	13.0	13.4	14.1	15.4	14.5	15.7	16.1
	6H	11.4	12.6	11.8	13.0	13.4	14.9	16.1	15.3	16.5	16.9
	8H	11.4	12.6	11.8	13.0	13.4	15.2	16.4	15.6	16.8	17.2
	12H	11.4	12.6	11.9	13.0	13.4	15.5	16.7	16.0	17.1	17.5
4H	2H	10.6	11.9	11.0	12.2	12.6	11.6	12.9	12.0	13.3	13.7
	3H	12.0	13.2	12.4	13.6	14.0	13.8	15.0	14.2	15.4	15.8
	4H	12.5	13.5	12.9	13.9	14.4	14.9	15.9	15.3	16.3	16.8
	6H	12.7	13.6	13.1	14.0	14.5	15.8	16.7	16.3	17.2	17.7
	8H	12.7	13.6	13.2	14.1	14.6	16.2	17.1	16.8	17.6	18.1
	12H	12.8	13.6	13.3	14.1	14.6	16.7	17.5	17.2	17.9	18.5
8H	4H	12.9	13.8	13.4	14.3	14.8	15.0	15.9	15.5	16.4	16.9
	6H	13.3	14.0	13.8	14.5	15.1	16.2	16.9	16.7	17.4	17.9
	8H	13.5	14.1	14.0	14.6	15.2	16.7	17.4	17.3	17.9	18.5
	12H	13.7	14.2	14.2	14.8	15.4	17.3	17.8	17.8	18.4	19.0
12H	4H	13.0	13.8	13.5	14.3	14.8	15.0	15.8	15.5	16.3	16.8
	6H	13.5	14.1	14.0	14.7	15.2	16.2	16.8	16.7	17.4	17.9
	8H	13.7	14.3	14.3	14.8	15.4	16.8	17.4	17.4	17.9	18.5
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.1					
1.5H	+ 0.3 / - 0.5					+ 0.1 / - 0.2					
2.0H	+ 0.2 / - 0.6					+ 0.1 / - 0.2					

CIE Pub.117 Corrected 182.9 lm Total Lamp Luminous Flux.(8log(F/F0) = -5.9)

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年11月24日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.800 m  
 Remarks:

## UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:			
Address:			
NAME: 36-RS-5050-12V-48Z-08-X-Y G		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050/48D	CCT(K): 0	DIMENSION: 1M*0.008M	SERIAL No.: 20211124014

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) $k(RI) \times RCR = 5$									
$k = 0.60$	53	41	34	52	40	33	51	40	33	26
0.80	63	51	43	62	50	43	59	49	42	34
1.00	71	59	52	70	59	51	67	60	50	43
1.25	79	67	60	77	66	59	73	64	58	49
1.50	84	73	65	82	72	65	78	70	63	54
2.00	91	82	75	89	80	74	84	77	71	62
2.50	95	87	80	93	85	79	88	82	76	66
3.00	99	91	85	96	89	84	91	86	81	71
4.00	103	97	92	100	95	90	95	90	86	76
5.00	106	100	96	103	98	94	97	93	90	79
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

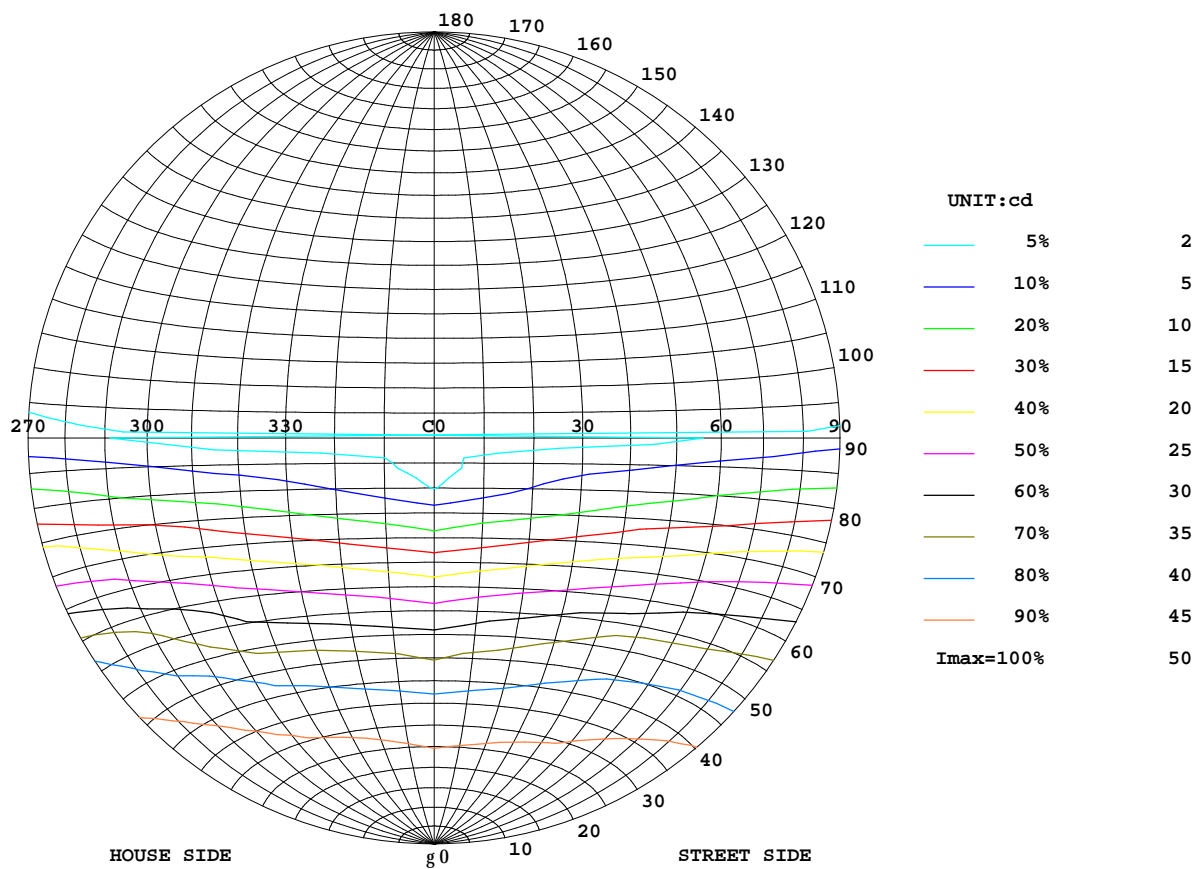
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年11月24日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.800 m  
 Remarks:

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 36-RS-5050-12V-48Z-08-X-Y G		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050/48D	CCT(K): 0	DIMENSION: 1M*0.008M	SERIAL No.: 20211124014



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2021年11月24日

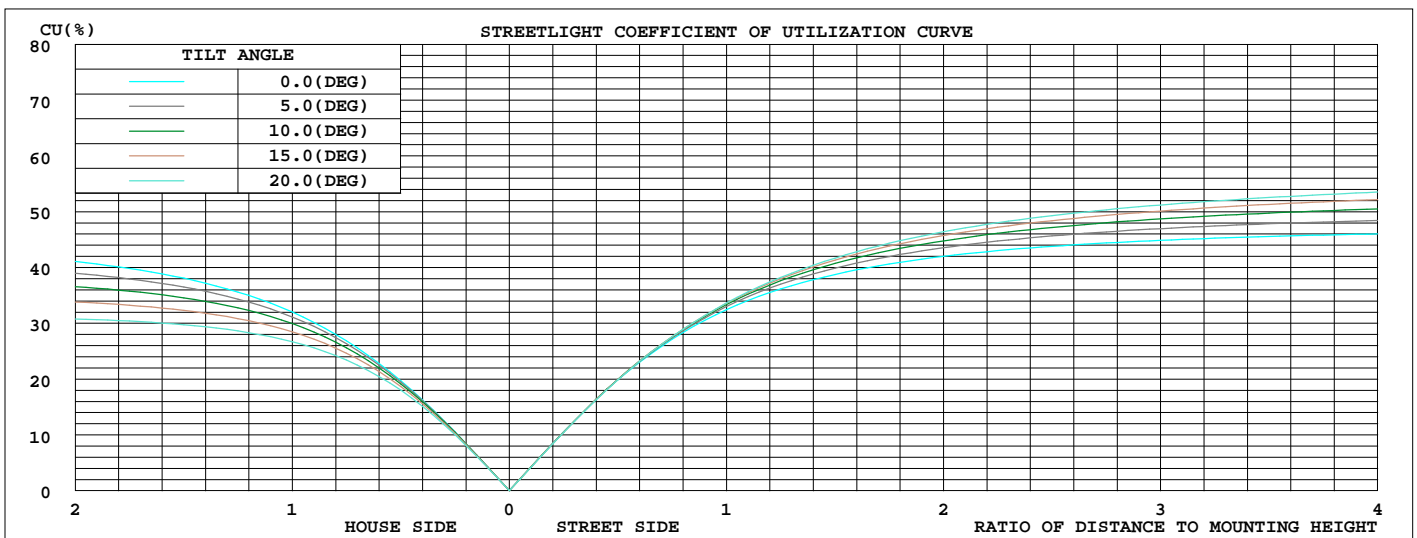
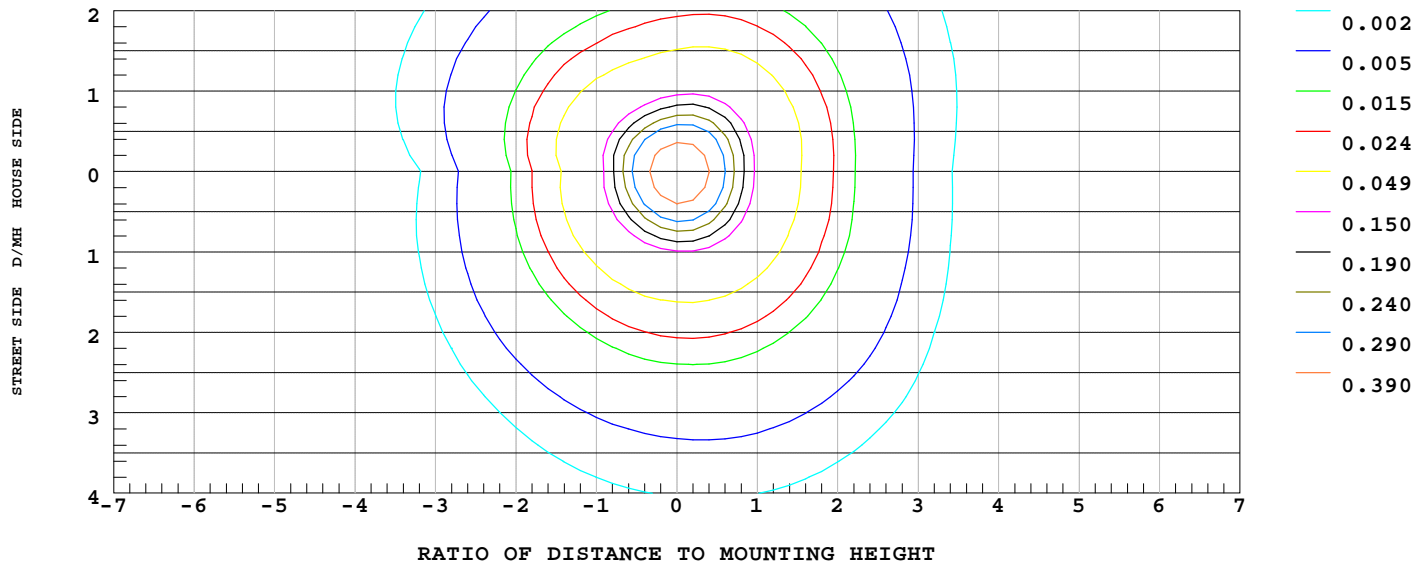
Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.800 m  
Remarks:

## ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 36-RS-5050-12V-48Z-08-X-Y G		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050/48D	CCT(K): 0	DIMENSION: 1M*0.008M	SERIAL No.: 20211124014

ILLUMINANCE AT MH=10 m, Enadir = 0.49 lx



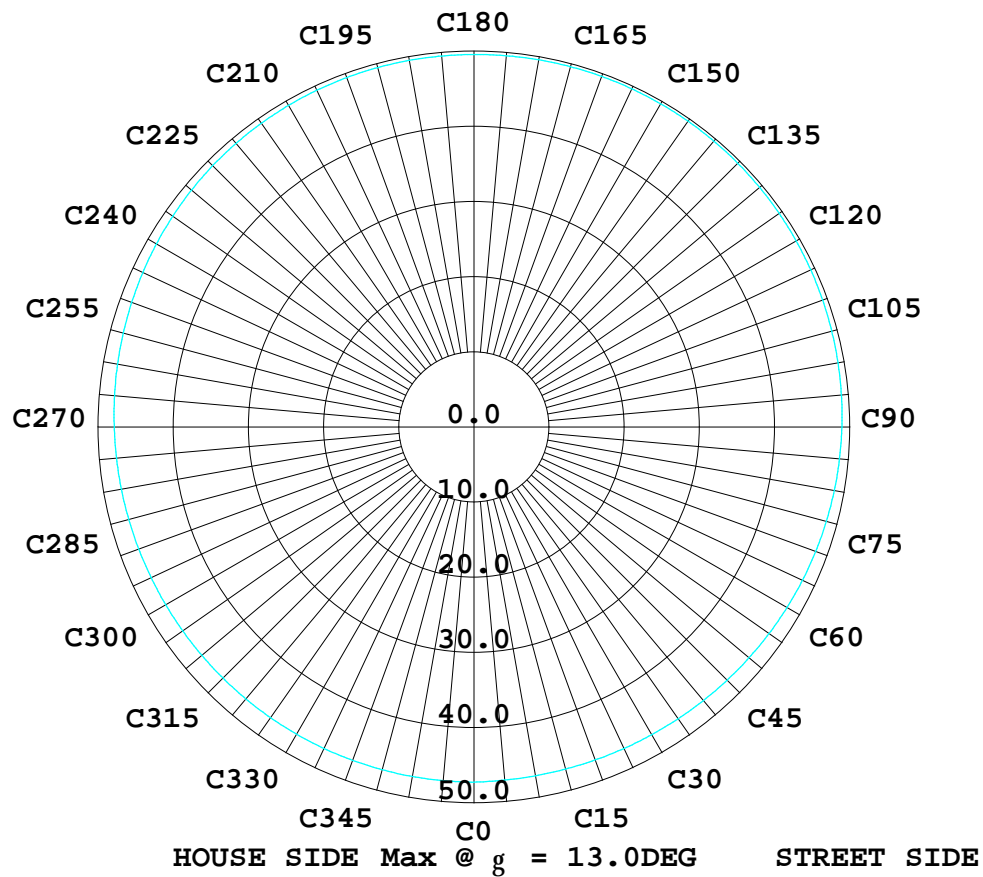
Test System: HOPOO HPG1800  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2021年11月24日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity: 65.0%  
Test Distance: 8.800 m  
Remarks:

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 36-RS-5050-12V-48Z-08-X-Y G		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050/48D	CCT(K): 0	DIMENSION: 1M*0.008M	SERIAL No.: 20211124014



Test System: HOPOO HPG1800  
Temperature: 25.3DEG  
Operators:  
Test Date: 2021年11月24日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity: 65.0%  
Test Distance: 8.800 m  
Remarks: