

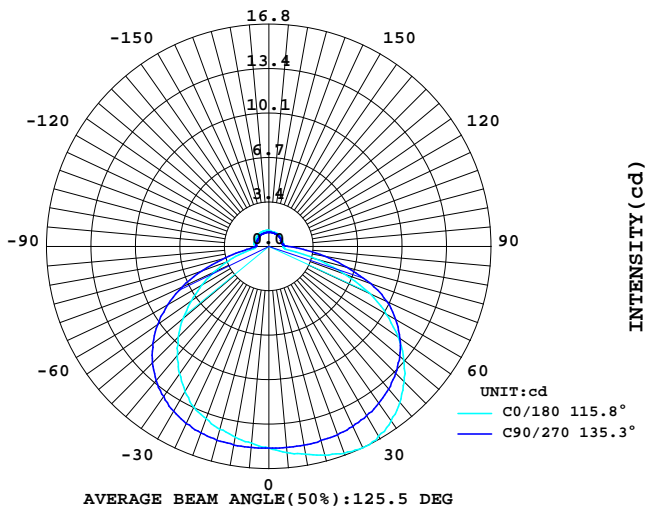
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

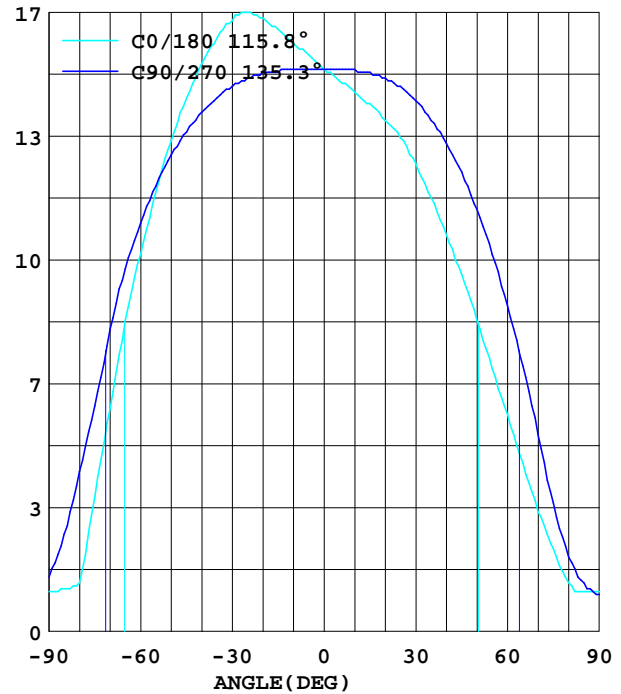
MANUFACTURER:			
Address:			
NAME: 51-RS-5050-24-112-12-X-Y B		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203013

DATA OF LAMP		Imax(cd)	16.80	S/MH(C0/180)	1.57
MODEL	5050	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.45
NOMINAL POWER(W)	3	TOTAL FLUX(lm)	63.360	Voltage(V)	24.00
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	19.9	Current(A)	0.132
NOMINAL FLUX(lm)	63.4	h up(%)	10.7	Power(W)	3.180
LAMPS QUANTITY	1	h down(%)	89.3	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	55.8	EEI	0.342

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年12月03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: 51-RS-5050-24-112-12-X-Y B		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203013

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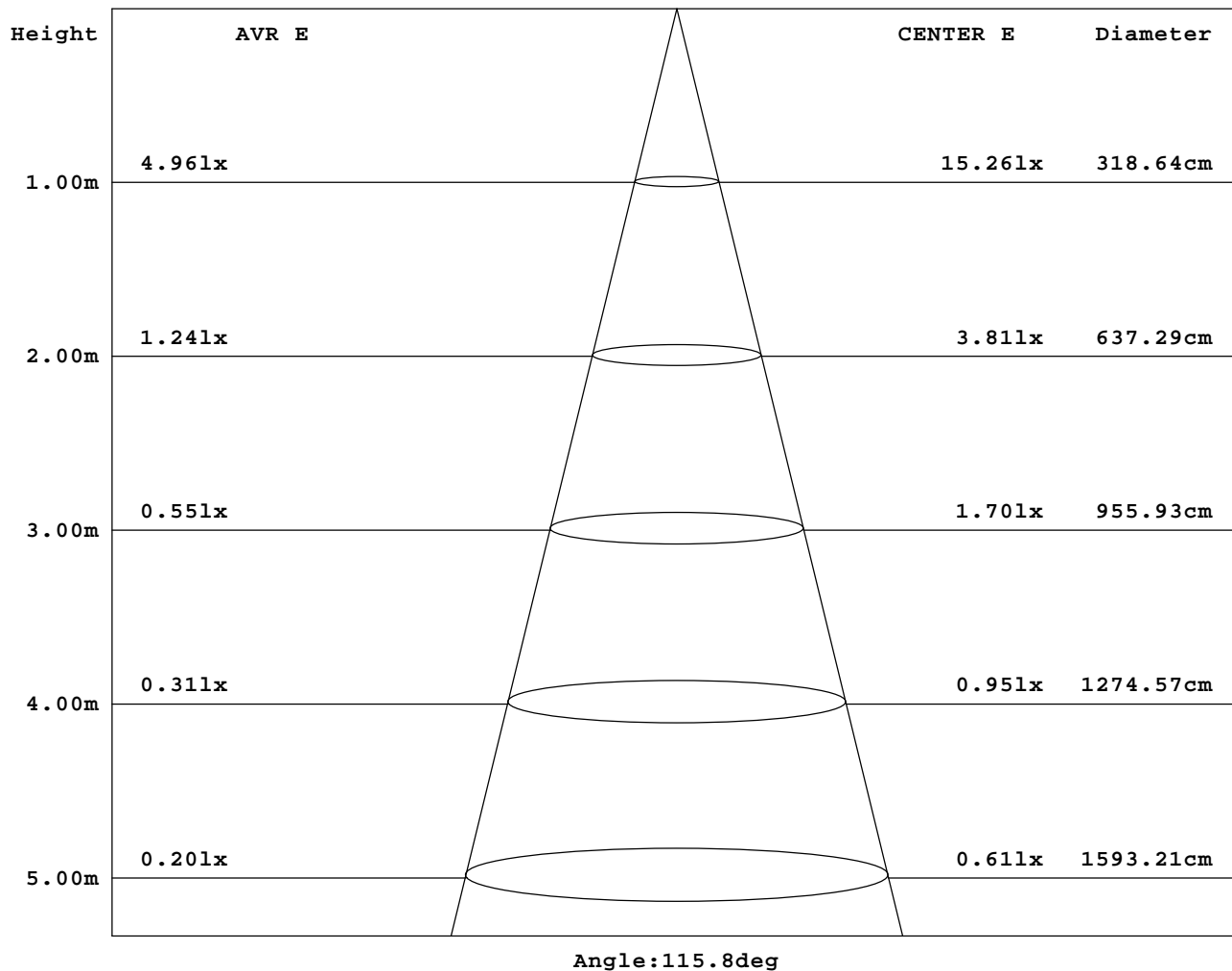
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2021年12月03日

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: 51-RS-5050-24-112-12-X-Y B		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203013



Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2021年12月03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: 51-RS-5050-24-112-12-X-Y B		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203013

g	C0	C45	C90	C135	C180	C225	C270	C315	g	4one	tBtal
5.0	15.64	15.56	15.25	15.02	14.94	15.10	15.25	15.48	0- 5	0.365	0.365
10.0	15.95	15.79	15.25	14.79	14.63	14.86	15.25	15.72	5- 10	1.093	1.459
15.0	16.33	16.03	15.17	14.55	14.32	14.63	15.17	16.03	10- 15	1.812	3.272
20.0	16.64	16.18	15.17	14.32	13.86	14.32	15.02	16.26	15- 20	2.514	5.786
25.0	16.80	16.33	15.02	14.01	13.39	13.93	14.79	16.41	20- 25	3.178	8.965
30.0	16.57	16.33	14.79	13.55	12.70	13.47	14.40	16.41	25- 30	3.784	12.75
35.0	16.10	16.26	14.48	13.08	11.77	12.93	13.86	16.26	30- 35	4.293	17.04
40.0	15.41	15.95	14.09	12.54	10.76	12.23	13.24	15.95	35- 40	4.695	21.73
45.0	14.48	15.48	13.55	11.77	9.680	11.38	12.46	15.33	40- 45	4.957	26.69
50.0	13.31	14.79	12.93	10.84	8.440	10.29	11.46	14.48	45- 50	5.072	31.77
55.0	11.92	13.86	12.08	9.757	7.124	9.215	10.22	13.39	50- 55	5.012	36.78
60.0	10.22	12.62	11.07	8.595	5.885	7.898	8.828	12.08	55- 60	4.766	41.54
65.0	8.440	11.22	9.834	7.201	4.568	6.582	7.201	10.60	60- 65	4.348	45.89
70.0	6.040	9.525	8.208	5.885	3.252	5.188	5.343	8.828	65- 70	3.738	49.63
75.0	3.639	7.434	6.117	4.259	2.245	3.717	3.484	6.582	70- 75	2.934	52.57
80.0	1.316	4.646	4.336	2.787	1.316	2.478	2.013	3.794	75- 80	1.998	54.56
85.0	1.161	2.710	2.632	1.858	1.084	1.626	1.316	1.781	80- 85	1.232	55.80
90.0	1.084	1.316	1.471	1.084	1.084	1.239	1.006	1.161	85- 90	0.780	56.58
95.0	1.084	1.006	1.161	0.929	1.084	1.084	0.929	1.084	90- 95	0.601	57.18
100.0	1.084	1.006	1.084	0.929	1.084	1.084	1.006	1.084	95-100	0.568	57.75
105.0	1.084	1.006	1.006	0.929	1.161	1.084	1.006	1.084	100-105	0.558	58.30
110.0	1.084	1.006	1.084	1.006	1.161	1.084	1.006	1.084	105-110	0.551	58.85
115.0	1.084	1.006	1.006	1.006	1.161	1.084	1.006	1.084	110-115	0.534	59.39
120.0	1.084	1.006	1.084	1.006	1.161	1.084	1.006	1.084	115-120	0.513	59.90
125.0	1.084	1.006	1.084	1.006	1.161	1.084	1.006	1.084	120-125	0.492	60.39
130.0	1.084	1.006	1.084	1.006	1.161	1.084	1.006	1.084	125-130	0.464	60.86
135.0	1.161	1.084	1.084	1.006	1.239	1.084	1.084	1.084	130-135	0.439	61.30
140.0	1.161	1.084	1.084	1.006	1.239	1.161	1.084	1.084	135-140	0.410	61.71
145.0	1.161	1.084	1.084	1.006	1.239	1.161	1.084	1.084	140-145	0.372	62.08
150.0	1.161	1.084	1.084	1.084	1.239	1.161	1.084	1.084	145-150	0.330	62.41
155.0	1.161	1.084	1.084	1.084	1.239	1.161	1.084	1.084	150-155	0.284	62.69
160.0	1.161	1.084	1.084	1.084	1.239	1.161	1.084	1.084	155-160	0.236	62.93
165.0	1.161	1.084	1.084	1.084	1.239	1.161	1.084	1.084	160-165	0.185	63.11
170.0	1.161	1.084	1.084	1.084	1.239	1.161	1.084	1.084	165-170	0.133	63.25
175.0	1.161	1.084	1.084	1.084	1.239	1.161	1.084	1.084	170-175	0.080	63.33
180.0	1.161	1.161	1.084	1.084	1.239	1.084	1.084	1.084	175-180	0.027	63.36
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2021年12月03日

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

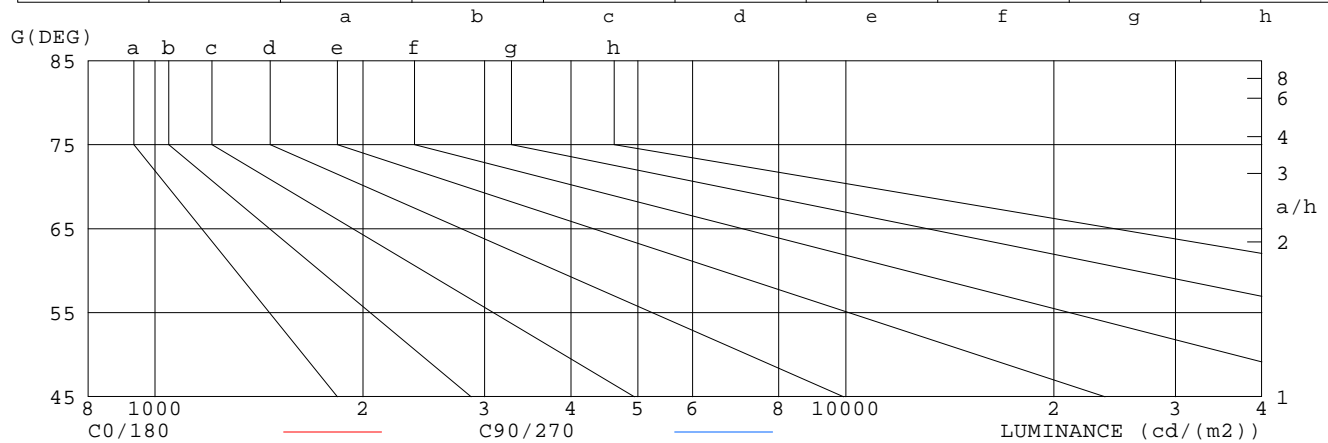
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME: 51-RS-5050-24-112-12-X-Y B		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203013

## 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	133	302
80	76	250
75	141	236
70	177	240
65	200	233
60	204	221
55	208	211
50	207	201
45	205	192

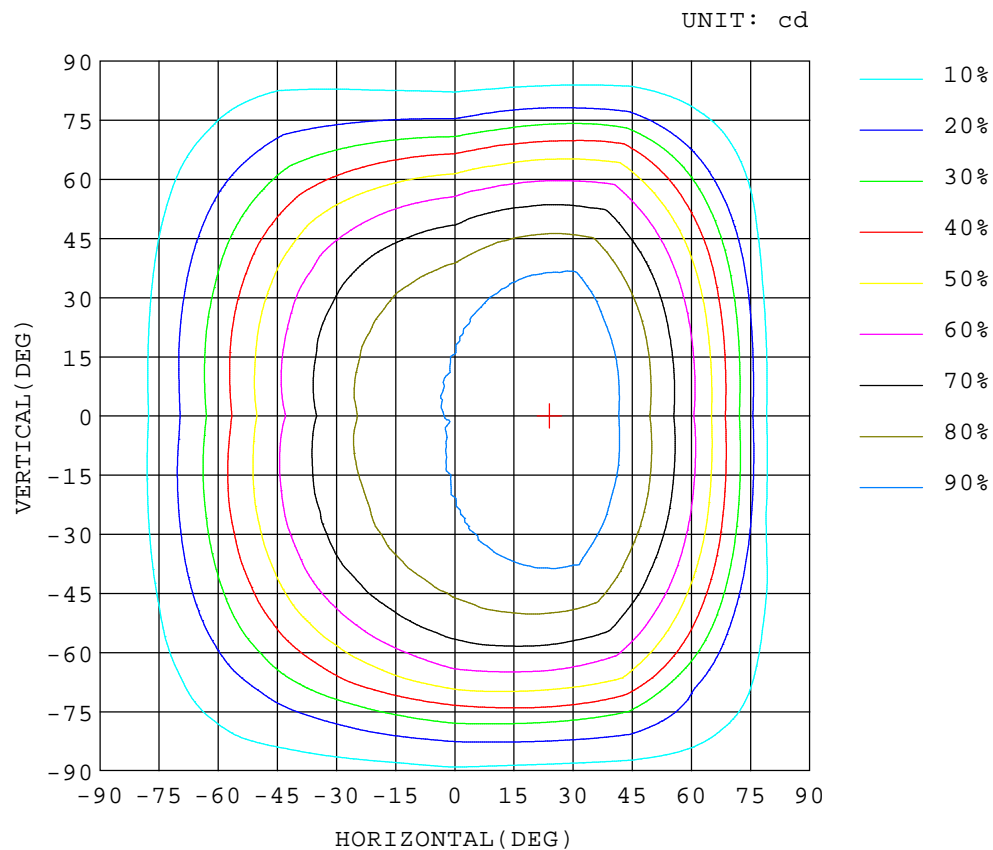
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2021年12月03日

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: 51-RS-5050-24-112-12-X-Y B		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203013



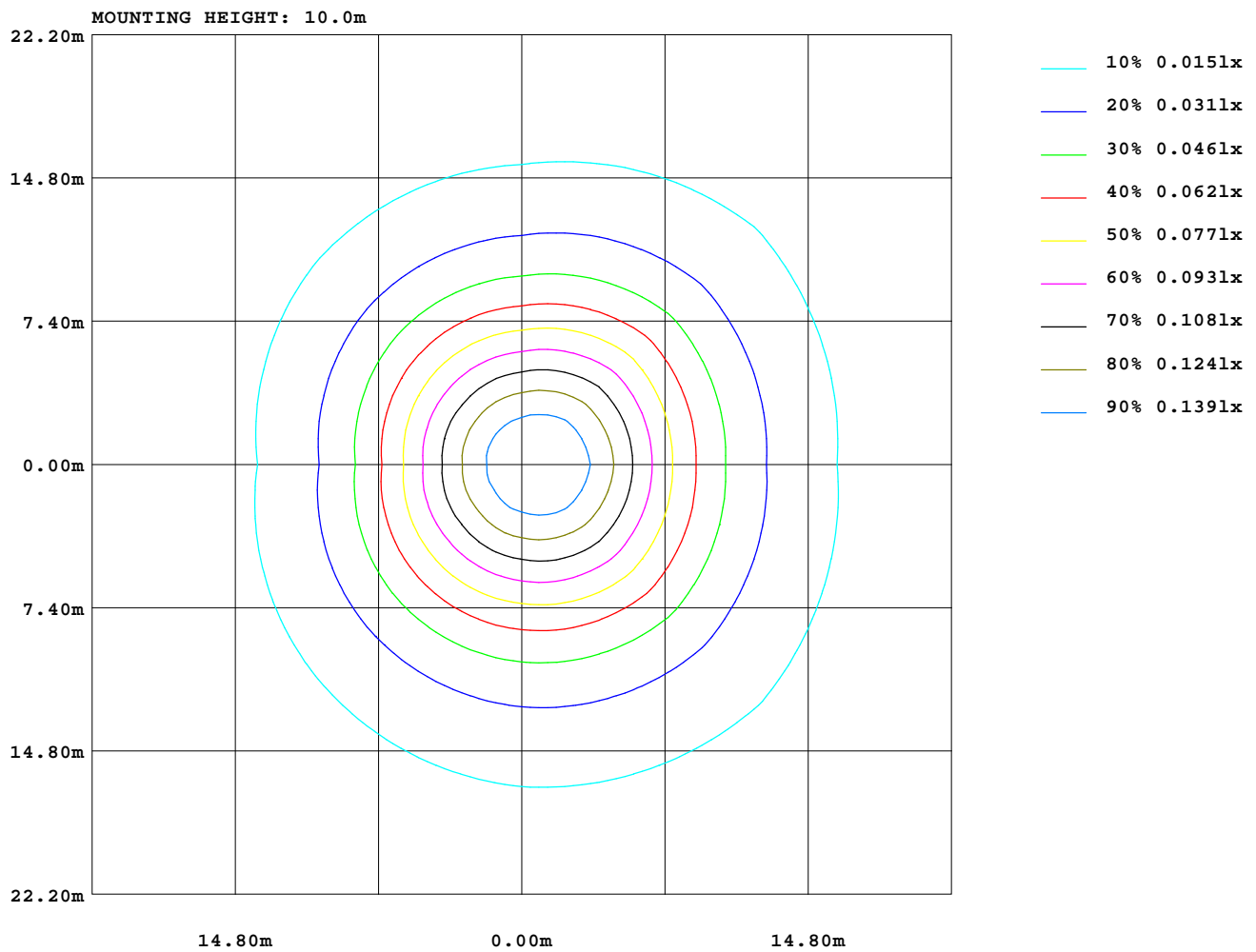
Test System: HOPOO HPG1800  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2021年12月03日

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: 51-RS-5050-24-112-12-X-Y B		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203013



Test System: HOPOO HPG1800  
Temperature: 25.3DEG  
Operators:  
Test Date: 2021年12月03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: 51-RS-5050-24-112-12-X-Y B		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203013

		AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a	
VERTICAL( DEG )	90																					
	80	0.00	0.01	0.02	0.02	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.04	0.03	0.02	0.02	0.01	0.00	0.51	0.16	
	70	0.00	0.01	0.02	0.03	0.06	0.07	0.09	0.10	0.11	0.12	0.13	0.13	0.11	0.09	0.05	0.02	0.01	0.00	1.14	1.09	
	60	0.00	0.01	0.03	0.05	0.09	0.13	0.17	0.20	0.21	0.23	0.24	0.23	0.21	0.16	0.09	0.04	0.01	0.00	2.10	2.07	
	50	0.00	0.01	0.04	0.08	0.13	0.19	0.24	0.28	0.30	0.32	0.33	0.31	0.28	0.21	0.13	0.06	0.02	0.00	2.92	2.90	
	40	0.00	0.01	0.04	0.10	0.16	0.23	0.29	0.34	0.37	0.39	0.39	0.38	0.33	0.25	0.16	0.08	0.02	0.00	3.55	3.53	
	30	0.00	0.02	0.05	0.11	0.19	0.26	0.33	0.38	0.41	0.43	0.44	0.42	0.37	0.28	0.18	0.09	0.02	0.00	3.99	3.98	
		0.00	0.02	0.06	0.12	0.20	0.28	0.35	0.41	0.44	0.46	0.47	0.45	0.39	0.30	0.20	0.10	0.03	0.00	4.27	4.26	
		0.00	0.02	0.06	0.13	0.21	0.29	0.37	0.42	0.45	0.47	0.48	0.45	0.40	0.31	0.21	0.11	0.03	0.00	4.40	4.39	
		0.00	0.02	0.06	0.13	0.21	0.30	0.37	0.42	0.45	0.47	0.48	0.46	0.40	0.31	0.21	0.11	0.03	0.00	4.43	4.42	
		0.00	0.02	0.06	0.13	0.21	0.30	0.37	0.42	0.45	0.47	0.48	0.46	0.40	0.31	0.21	0.11	0.03	0.00	4.44	4.43	
		0.00	0.02	0.06	0.13	0.21	0.30	0.37	0.42	0.45	0.47	0.48	0.45	0.40	0.31	0.21	0.11	0.03	0.00	4.42	4.41	
	-30	0.00	0.02	0.06	0.13	0.21	0.29	0.36	0.41	0.45	0.46	0.47	0.45	0.39	0.30	0.20	0.10	0.03	0.00	4.32	4.31	
	-40	0.00	0.02	0.06	0.12	0.19	0.27	0.34	0.39	0.43	0.45	0.45	0.43	0.37	0.29	0.19	0.10	0.03	0.00	4.11	4.10	
	-50	0.00	0.02	0.05	0.10	0.17	0.25	0.31	0.37	0.40	0.42	0.42	0.39	0.34	0.26	0.17	0.08	0.02	0.00	3.77	3.75	
	-60	0.00	0.01	0.04	0.08	0.14	0.21	0.27	0.32	0.36	0.37	0.37	0.34	0.30	0.23	0.14	0.06	0.02	0.00	3.25	3.24	
-70	0.00	0.01	0.03	0.06	0.11	0.16	0.21	0.25	0.29	0.30	0.29	0.27	0.23	0.18	0.10	0.04	0.01	0.00	2.54	2.52		
-80	0.00	0.01	0.02	0.04	0.06	0.10	0.13	0.16	0.18	0.19	0.19	0.17	0.14	0.11	0.06	0.03	0.01	0.00	1.59	1.55		
-90	0.00	0.01	0.02	0.02	0.03	0.05	0.06	0.07	0.08	0.08	0.08	0.07	0.06	0.05	0.03	0.02	0.01	0.00	0.75	0.57		
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL( DEG )				20	30	40	50	60	70	80	90	
Φ t		0.05	0.26	0.76	1.58	2.62	3.70	4.66	5.39	5.87	6.15	6.20	5.90	5.15	3.97	2.56	1.28	0.38	0.06	63		
Φ a		0.00	0.16	0.70	1.53	2.58	3.66	4.62	5.35	5.83	6.11	6.17	5.87	5.12	3.94	2.53	1.24	0.31	0.00		56	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年12月03日

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

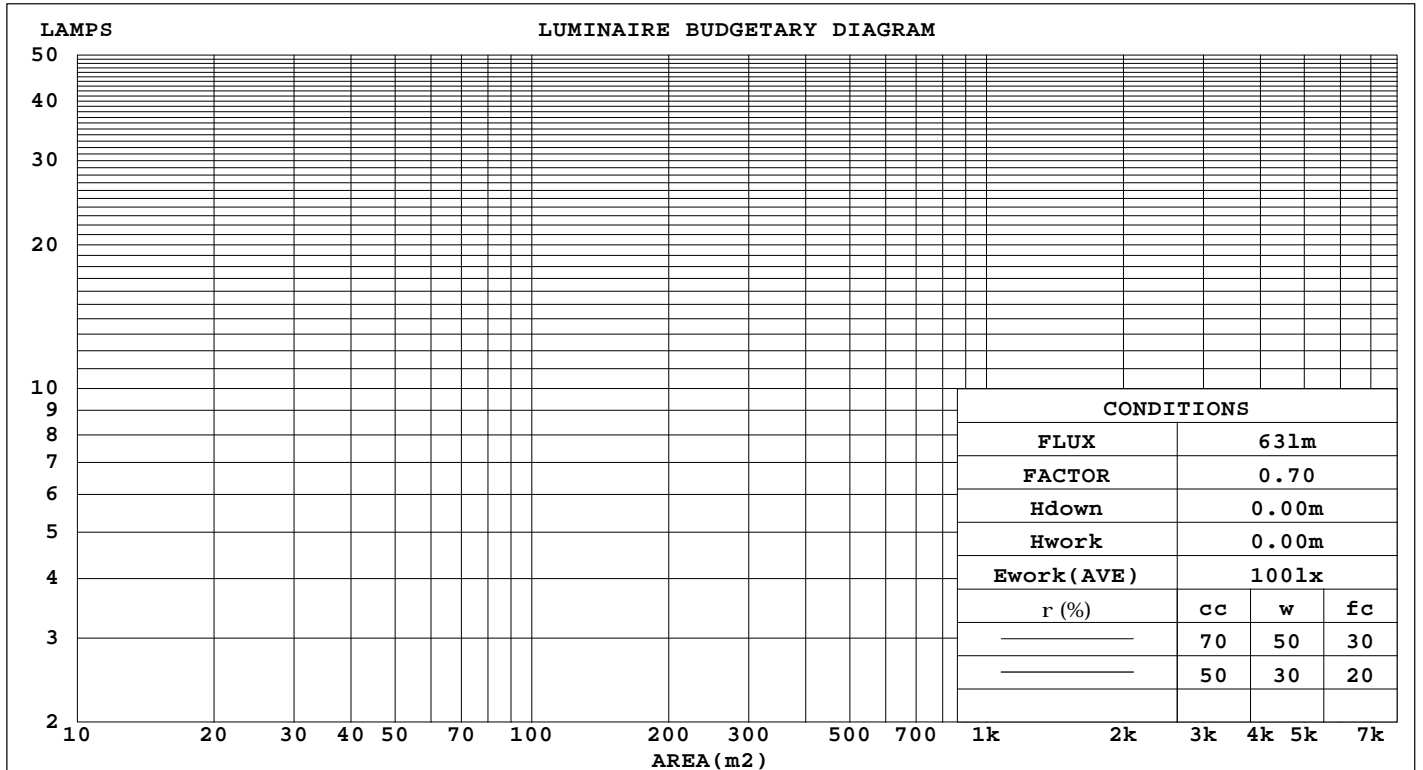
# GONIOPHOTOMETERS SYSTEM TEST REPORT

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:											
Address:											
NAME: 51-RS-5050-24-112-12-X-Y B						TYPE: LED Strip				WEIGHT:	
SPECIFICATION: 5050 112D				CCT(K): 0		DIMENSION: 1M*0.012M				SERIAL No.: 20211203013	

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	1.17	1.17	1.17	1.13	1.13	1.13	1.05	1.05	1.05	.98	.98	.98	.92	.92	.92	.89
1.0	.00	.95	.91	.97	.92	.89	.90	.87	.84	.85	.82	.79	.79	.77	.75	.72
2.0	.86	.79	.73	.83	.77	.71	.78	.73	.68	.73	.69	.65	.69	.65	.62	.59
3.0	.75	.66	.59	.73	.65	.58	.68	.61	.56	.64	.58	.54	.60	.55	.51	.49
4.0	.66	.57	.50	.64	.55	.49	.60	.53	.47	.56	.50	.45	.53	.48	.43	.41
5.0	.58	.49	.42	.57	.48	.41	.53	.46	.40	.50	.44	.39	.47	.42	.37	.35
6.0	.52	.43	.36	.51	.42	.36	.48	.40	.35	.45	.38	.33	.42	.37	.32	.30
7.0	.47	.38	.32	.46	.37	.31	.43	.36	.30	.41	.34	.29	.39	.33	.28	.26
8.0	.43	.34	.28	.42	.33	.28	.39	.32	.27	.37	.31	.26	.35	.30	.25	.23
9.0	.39	.31	.25	.38	.30	.25	.36	.29	.24	.34	.28	.23	.32	.27	.23	.21
10.0	.36	.28	.22	.35	.27	.22	.33	.26	.22	.32	.25	.21	.30	.24	.20	.19



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年12月03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: 51-RS-5050-24-112-12-X-Y B						TYPE: LED Strip			WEIGHT:		
SPECIFICATION: 5050 112D			CCT(K): 0			DIMENSION: 1M*0.012M			SERIAL No.: 20211203013		

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	.335	.191	.060	.325	.185	.059	.305	.175	.056	.287	.166	.053	.271	.157	.051	
2.0	.308	.169	.052	.299	.165	.051	.281	.156	.049	.265	.149	.047	.250	.142	.045	
3.0	.282	.150	.045	.273	.146	.044	.258	.140	.042	.243	.133	.041	.230	.127	.039	
4.0	.258	.134	.039	.250	.131	.039	.236	.125	.037	.223	.120	.036	.211	.115	.035	
5.0	.237	.121	.035	.230	.118	.034	.218	.113	.033	.206	.108	.032	.194	.104	.031	
6.0	.219	.110	.031	.213	.107	.031	.201	.103	.030	.190	.099	.029	.180	.095	.028	
7.0	.203	.100	.028	.197	.098	.028	.187	.094	.027	.177	.091	.026	.168	.087	.026	
8.0	.189	.092	.026	.184	.091	.026	.174	.087	.025	.165	.084	.024	.157	.080	.023	
9.0	.177	.085	.024	.172	.084	.024	.163	.081	.023	.155	.078	.022	.147	.075	.022	
10.0	.166	.079	.022	.161	.078	.022	.153	.075	.021	.146	.072	.021	.138	.070	.020	

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	.272	.272	.272	.232	.232	.232	.159	.159	.159	.091	.091	.091	.029	.029	.029		
1.0	.264	.238	.215	.226	.204	.185	.155	.141	.128	.089	.081	.074	.029	.026	.024		
2.0	.257	.215	.179	.220	.185	.155	.151	.128	.108	.087	.074	.063	.028	.024	.021		
3.0	.250	.198	.156	.214	.170	.135	.147	.118	.095	.085	.069	.056	.027	.022	.018		
4.0	.243	.185	.141	.208	.160	.122	.143	.111	.086	.083	.065	.051	.027	.021	.017		
5.0	.235	.175	.130	.202	.151	.113	.139	.106	.080	.081	.062	.047	.026	.020	.016		
6.0	.228	.167	.122	.196	.144	.107	.135	.101	.075	.078	.059	.045	.025	.019	.015		
7.0	.221	.160	.117	.190	.139	.102	.132	.097	.072	.076	.057	.043	.025	.019	.014		
8.0	.215	.154	.113	.185	.134	.098	.128	.094	.070	.074	.055	.042	.024	.018	.014		
9.0	.209	.149	.110	.180	.130	.096	.125	.091	.068	.073	.054	.040	.023	.018	.013		
10.0	.203	.145	.107	.175	.126	.093	.121	.089	.066	.071	.052	.040	.023	.017	.013		

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年12月03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: 51-RS-5050-24-112-12-X-Y B						TYPE: LED Strip			WEIGHT:		
SPECIFICATION: 5050 112D			CCT(K): 0			DIMENSION: 1M*0.012M			SERIAL No.: 20211203013		
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	7.8	9.2	8.2	9.6	10.0	7.9	9.4	8.4	9.8	10.2	
	3H	9.4	10.7	9.8	11.1	11.6	10.0	11.3	10.4	11.7	
	4H	9.9	11.1	10.3	11.6	12.0	10.8	12.1	11.3	12.5	
	6H	10.0	11.2	10.5	11.7	12.2	11.5	12.7	12.0	13.2	
	8H	10.0	11.2	10.5	11.7	12.2	11.8	13.0	12.3	13.4	
	12H	10.1	11.2	10.6	11.7	12.2	12.1	13.2	12.6	13.7	
4H	2H	8.7	10.0	9.2	10.4	10.9	8.8	10.1	9.3	10.5	
	3H	10.5	11.6	11.0	12.1	12.6	11.1	12.1	11.6	12.6	
	4H	11.2	12.2	11.7	12.7	13.2	12.0	13.0	12.6	13.5	
	6H	11.5	12.3	12.0	12.9	13.5	12.8	13.7	13.4	14.3	
	8H	11.5	12.4	12.1	12.9	13.5	13.2	14.0	13.8	14.6	
	12H	11.6	12.4	12.2	13.0	13.6	13.5	14.3	14.1	14.8	
8H	4H	11.7	12.5	12.3	13.1	13.7	12.4	13.3	13.0	13.8	
	6H	12.2	12.9	12.8	13.5	14.1	13.5	14.1	14.1	14.7	
	8H	12.4	13.0	13.0	13.6	14.3	13.9	14.5	14.6	15.1	
	12H	12.6	13.2	13.3	13.8	14.5	14.4	14.9	15.0	15.5	
12H	4H	11.8	12.5	12.4	13.1	13.7	12.4	13.2	13.0	13.8	
	6H	12.4	13.0	13.0	13.6	14.3	13.5	14.2	14.2	14.8	
	8H	12.7	13.2	13.3	13.8	14.5	14.1	14.6	14.7	15.2	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1					
1.5H	+ 0.3 / - 0.4					+ 0.2 / - 0.3					
2.0H	+ 0.3 / - 0.6					+ 0.2 / - 0.5					

CIE Pub.117 Corrected 63.36 lm Total Lamp Luminous Flux.(8log(F/F0) = -9.6)

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年12月03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: 51-RS-5050-24-112-12-X-Y B		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203013

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) $k(RI) \times RCR = 5$									
$k = 0.60$	51	39	32	50	39	32	48	38	31	24
0.80	61	49	41	60	48	41	57	47	40	32
1.00	69	57	49	68	56	49	65	57	48	40
1.25	77	65	57	75	64	57	71	62	55	46
1.50	82	71	63	80	69	62	75	67	60	51
2.00	89	80	72	87	78	71	82	74	69	58
2.50	94	85	78	91	83	76	85	79	73	62
3.00	97	89	83	94	87	81	88	83	78	66
4.00	102	95	90	98	92	88	92	87	83	71
5.00	104	99	94	101	96	92	95	91	87	74
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

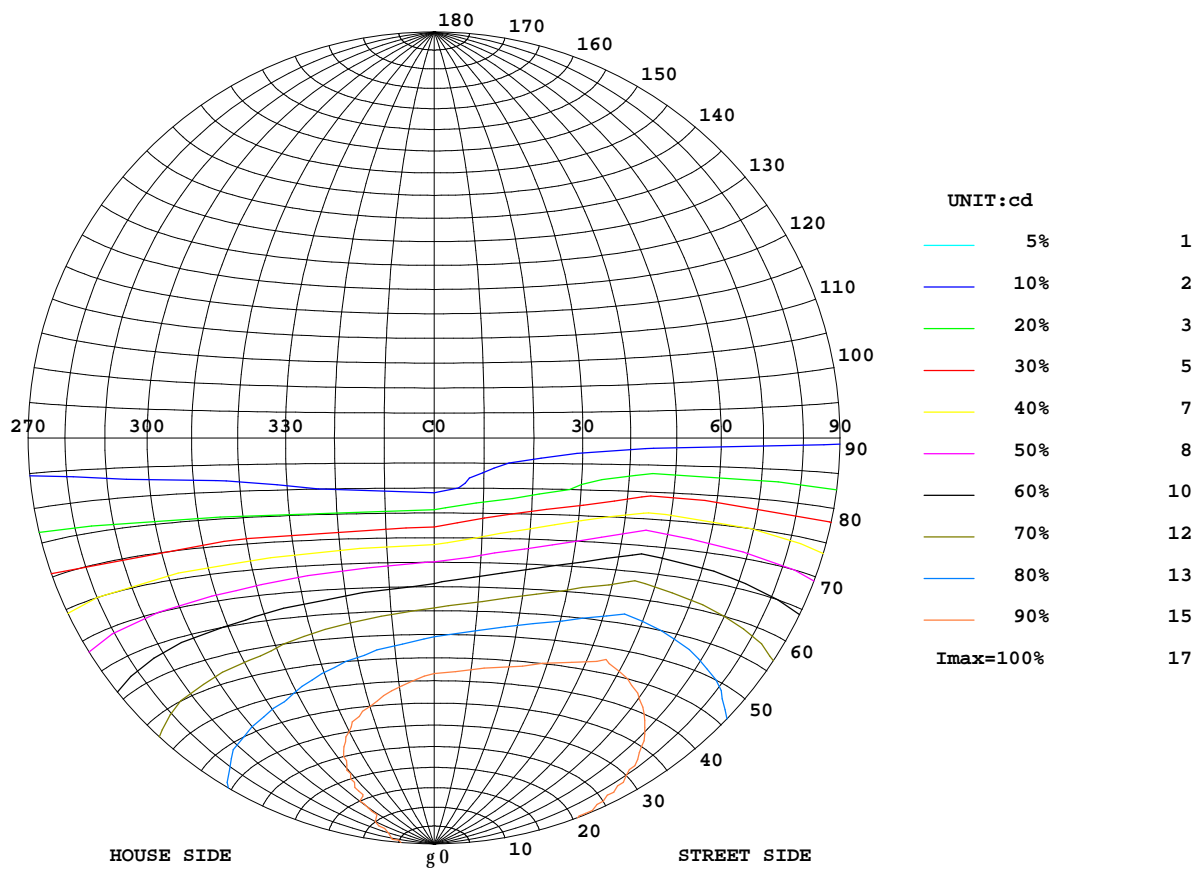
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年12月03日

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: 51-RS-5050-24-112-12-X-Y B		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203013



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2021年12月03日

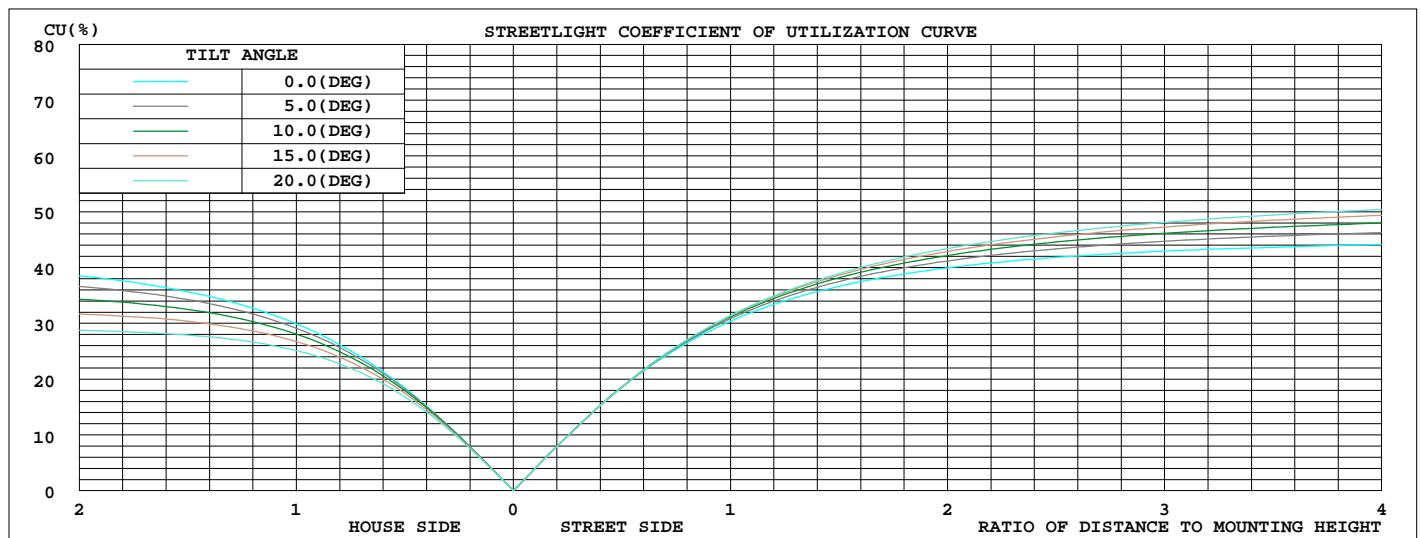
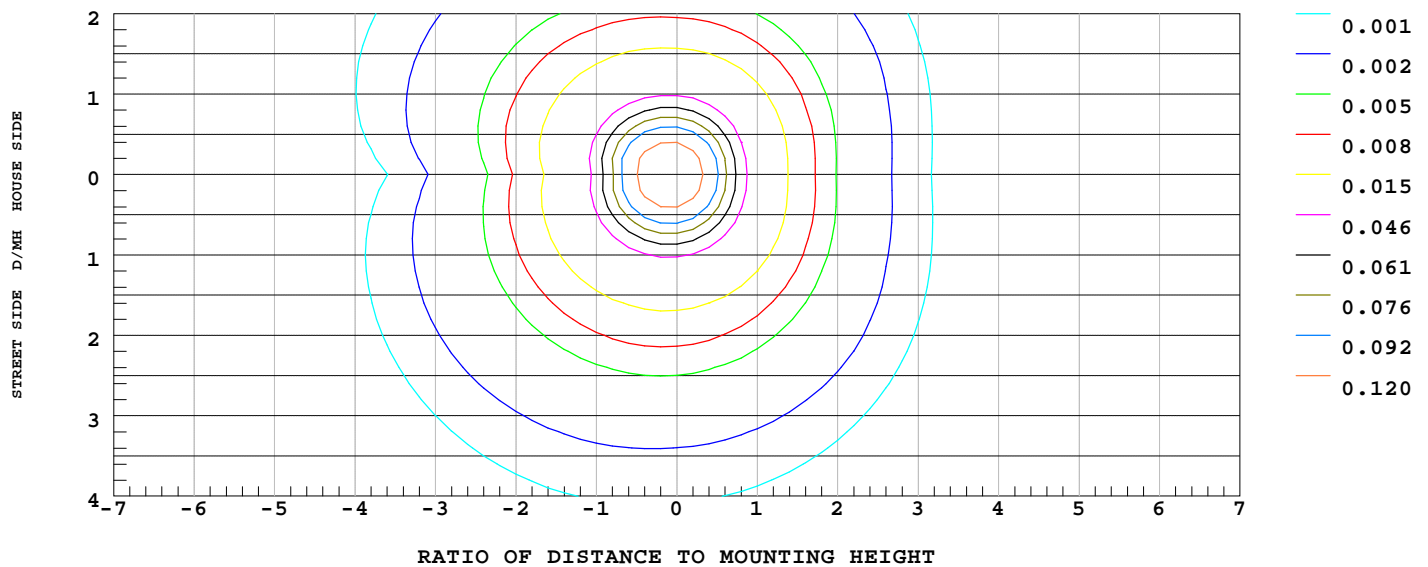
Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.800 m  
Remarks:

## ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 51-RS-5050-24-112-12-X-Y B		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203013

ILLUMINANCE AT MH=10 m, Enadir = 0.15 lx



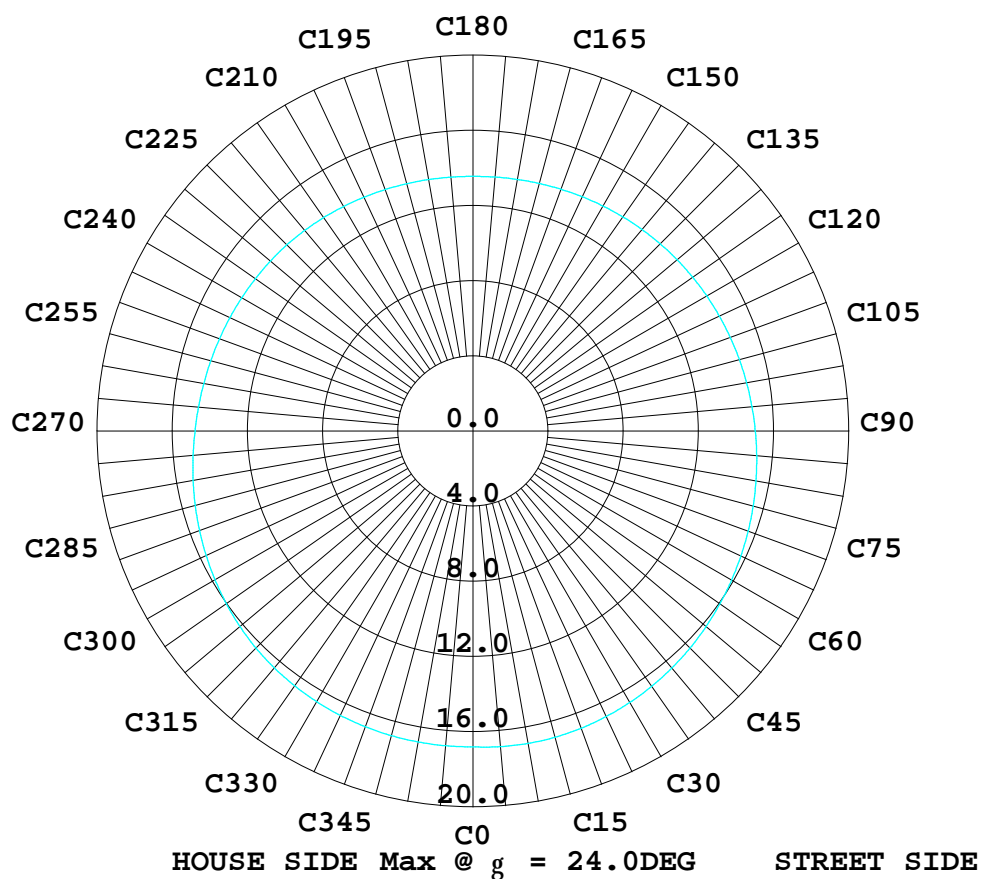
Test System: HOPOO HPG1800  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2021年12月03日

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: 51-RS-5050-24-112-12-X-Y B		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203013



Test System: HOPOO HPG1800  
Temperature: 25.3DEG  
Operators:  
Test Date: 2021年12月03日

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