

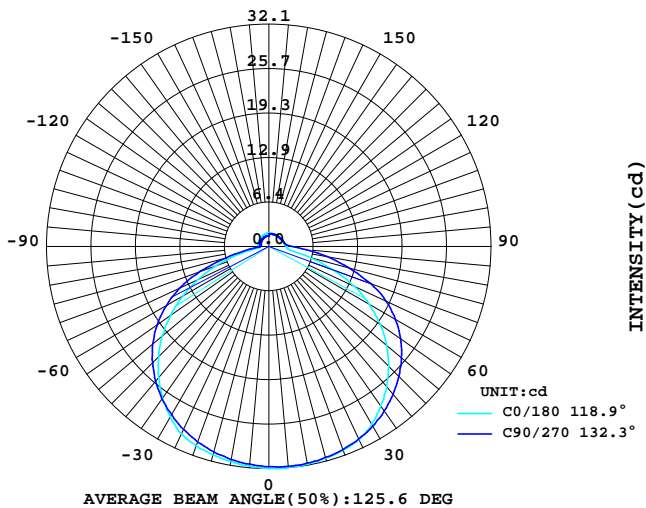
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

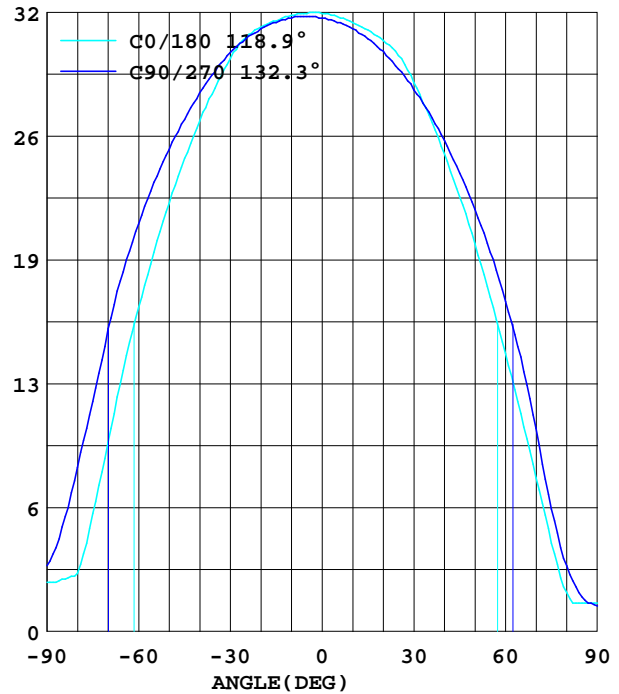
MANUFACTURER:			
Address:			
NAME: 51-RS-5050-24-112-12-X-Y R		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203012

DATA OF LAMP		I _{max} (cd)	32.13	S/MH(C0/180)	1.37
MODEL	5050	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.41
NOMINAL POWER(W)	3	TOTAL FLUX(lm)	120.30	Voltage(V)	24.01
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	34.8	Current(A)	0.143
NOMINAL FLUX(lm)	120.3	h up(%)	9.5	Power(W)	3.460
LAMPS QUANTITY	1	h down(%)	90.5	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	107.4	EEL	0.241

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 R		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203012

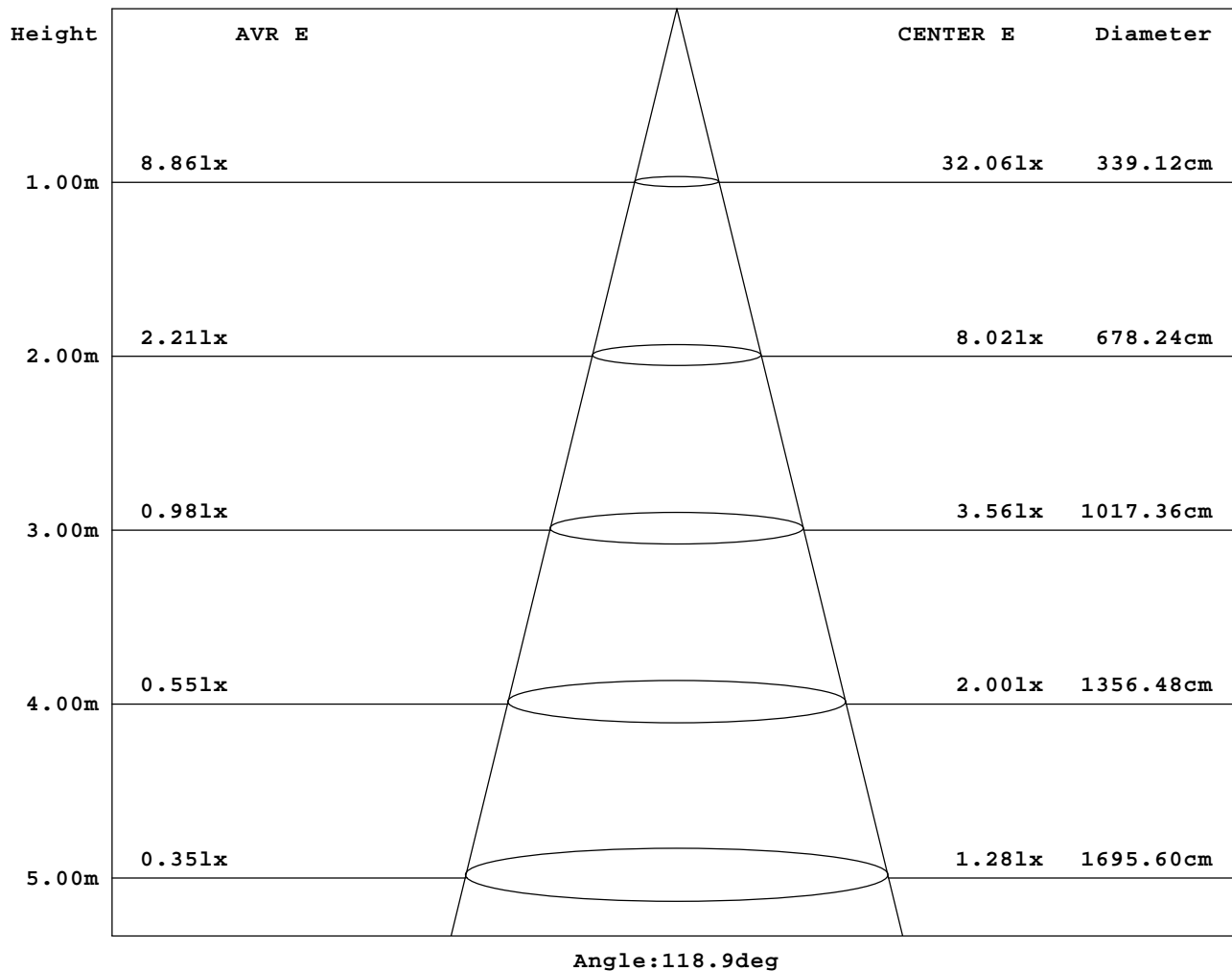
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021年12月03日

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 R		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203012



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 R		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203012

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	tStal
5.0	32.06	31.75	31.90	31.67	31.90	32.06	31.59	31.82	0- 5	0.763	0.763
10.0	31.98	31.44	31.82	31.44	31.59	31.98	31.28	31.67	5- 10	2.272	3.034
15.0	31.67	30.89	31.59	30.97	31.20	31.75	30.74	31.36	10- 15	3.734	6.768
20.0	31.36	30.27	31.28	30.51	30.66	31.44	30.12	30.97	15- 20	5.119	11.88
25.0	30.82	29.50	30.74	29.81	29.89	30.89	29.19	30.35	20- 25	6.396	18.28
30.0	29.73	28.57	30.04	28.73	28.49	30.20	28.11	29.58	25- 30	7.515	25.80
35.0	28.18	27.41	29.04	27.80	26.79	29.11	26.94	28.49	30- 35	8.421	34.22
40.0	26.48	25.94	27.95	26.40	24.78	27.80	25.47	27.10	35- 40	9.094	43.31
45.0	24.54	24.23	26.56	24.78	22.53	26.32	23.77	25.63	40- 45	9.502	52.81
50.0	22.22	22.38	25.01	22.99	20.13	24.47	21.91	23.77	45- 50	9.637	62.45
55.0	19.66	20.28	23.30	20.83	17.34	22.38	19.66	21.60	50- 55	9.466	71.92
60.0	16.80	17.88	21.14	18.50	14.40	20.13	17.11	19.36	55- 60	8.978	80.90
65.0	13.55	15.48	18.66	16.10	11.30	17.50	14.24	16.72	60- 65	8.184	89.08
70.0	9.834	12.70	15.72	13.31	7.976	14.40	10.53	13.78	65- 70	7.033	96.12
75.0	6.117	9.370	11.92	9.912	4.568	10.84	6.350	10.45	70- 75	5.491	101.6
80.0	3.020	5.575	8.518	6.195	2.013	6.814	3.407	6.195	75- 80	3.672	105.2
85.0	2.710	3.097	5.420	2.865	1.471	4.104	1.781	3.484	80- 85	2.221	107.5
90.0	2.555	1.703	3.407	1.471	1.471	2.865	1.316	2.632	85- 90	1.401	108.9
95.0	2.400	1.316	2.632	1.239	1.548	2.555	1.239	2.400	90- 95	1.103	110.0
100.0	2.323	1.316	2.400	1.239	1.548	2.400	1.316	2.323	95-100	1.024	111.0
105.0	2.245	1.316	2.323	1.239	1.548	2.323	1.316	2.245	100-105	0.986	112.0
110.0	2.168	1.393	2.245	1.316	1.626	2.245	1.316	2.168	105-110	0.955	112.9
115.0	2.168	1.393	2.168	1.316	1.626	2.168	1.393	2.090	110-115	0.913	113.8
120.0	2.090	1.393	2.090	1.316	1.626	2.168	1.393	2.090	115-120	0.866	114.7
125.0	2.090	1.393	2.013	1.316	1.703	2.090	1.393	2.013	120-125	0.819	115.5
130.0	2.013	1.471	2.013	1.393	1.703	2.090	1.471	2.013	125-130	0.766	116.3
135.0	2.013	1.471	2.013	1.393	1.781	2.013	1.471	2.013	130-135	0.715	117.0
140.0	2.013	1.471	1.936	1.393	1.781	2.013	1.471	1.936	135-140	0.652	117.7
145.0	2.013	1.548	1.936	1.393	1.781	2.013	1.471	1.936	140-145	0.586	118.2
150.0	2.013	1.548	1.936	1.471	1.858	1.936	1.471	1.936	145-150	0.522	118.8
155.0	1.936	1.548	1.936	1.471	1.858	1.936	1.548	1.858	150-155	0.450	119.2
160.0	1.936	1.548	1.858	1.471	1.858	1.936	1.548	1.858	155-160	0.369	119.6
165.0	1.936	1.626	1.858	1.471	1.858	1.936	1.548	1.858	160-165	0.289	119.9
170.0	1.936	1.626	1.858	1.548	1.936	1.858	1.548	1.858	165-170	0.209	120.1
175.0	1.936	1.626	1.858	1.548	1.936	1.858	1.548	1.858	170-175	0.127	120.2
180.0	1.858	1.703	1.781	1.548	2.090	1.858	1.626	1.781	175-180	0.042	120.3
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:

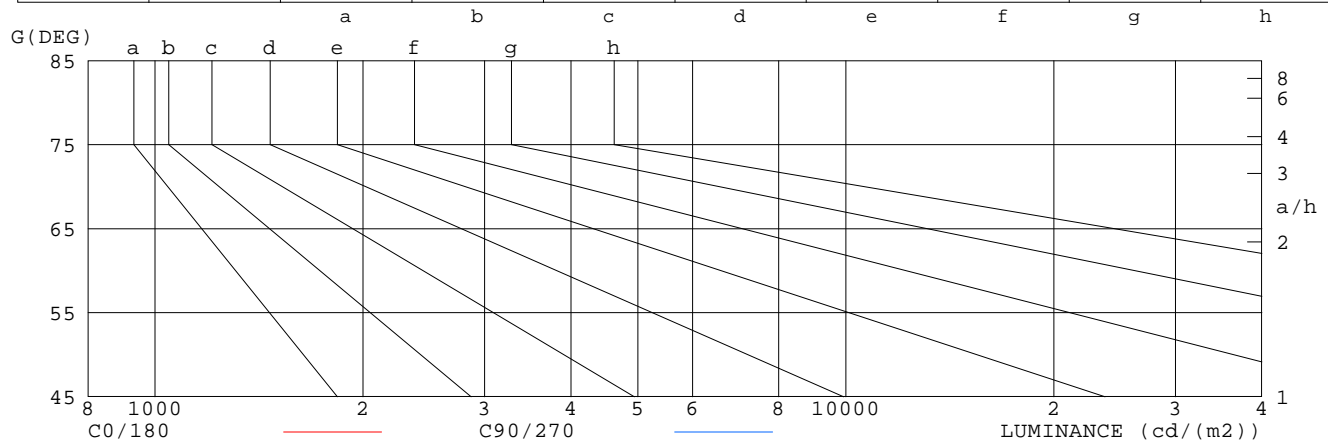
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME: 51-RS-5050-24-112-12-X-Y R		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203012

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	311	622
80	174	491
75	236	461
70	288	460
65	321	442
60	336	423
55	343	406
50	346	389
45	347	376

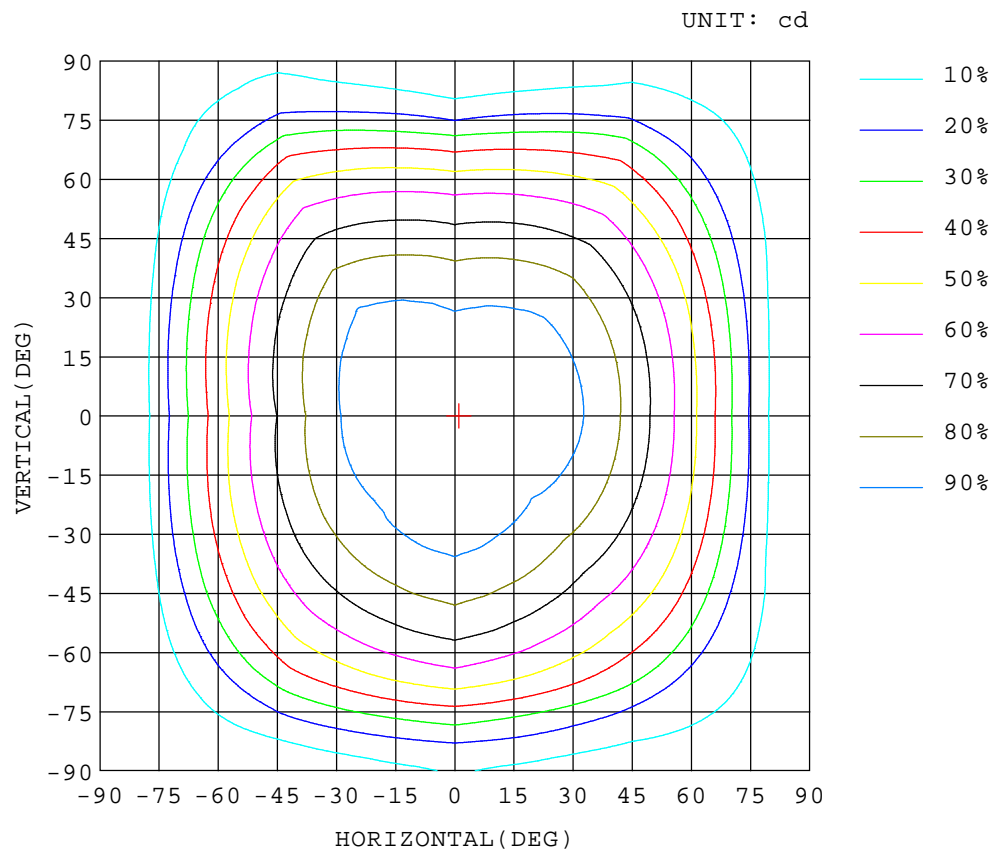
Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2021年12月03日

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 R		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203012



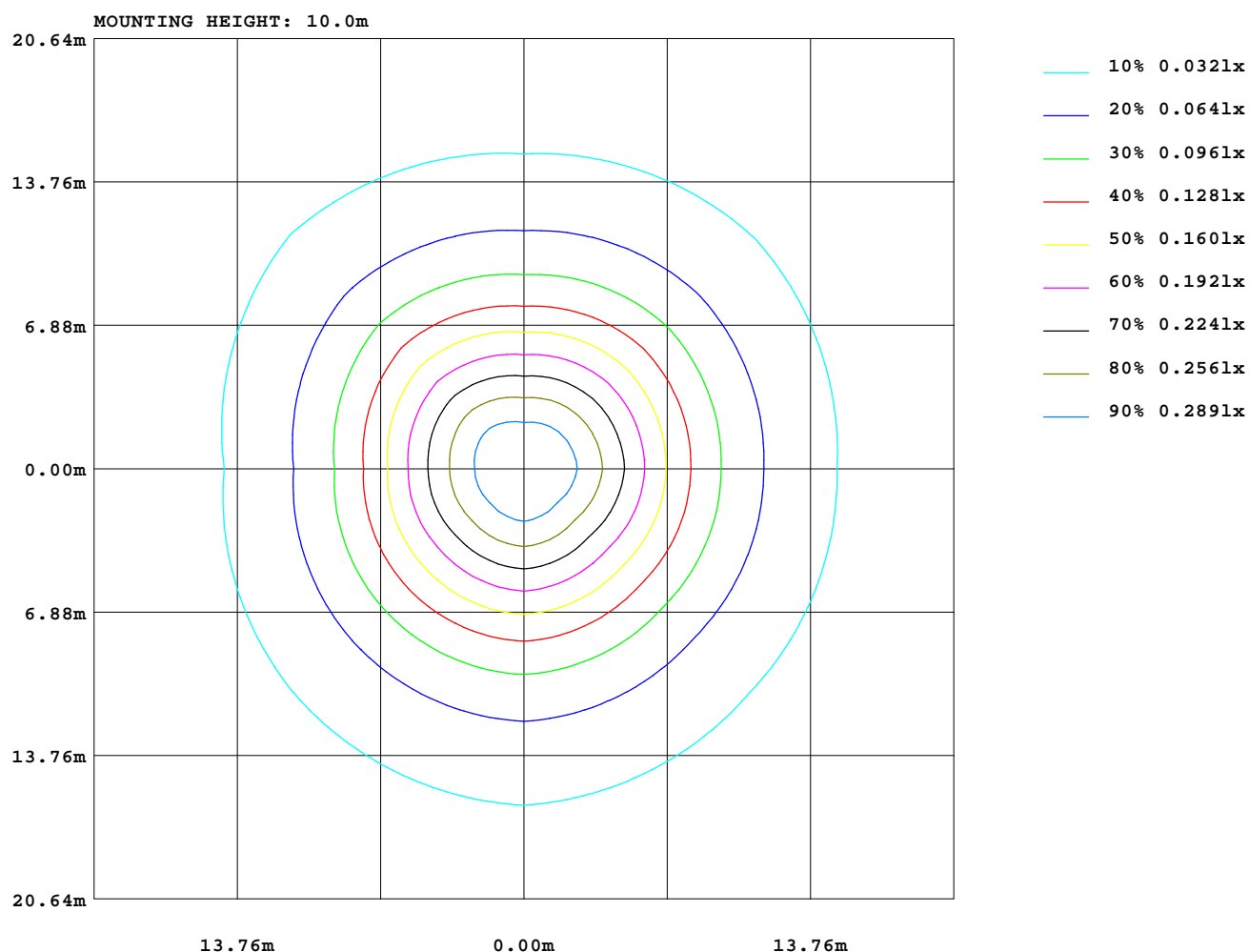
Test System: HOPOO HPG1800
Temperature: 25.3 DEG
Operators:
Test Date: 2021年12月03日

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 R		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203012



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 R		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203012

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
	0.00	0.02	0.03	0.05	0.08	0.09	0.09	0.08	0.07	0.07	0.08	0.08	0.08	0.07	0.05	0.04	0.02	0.01	0.99	0.36	
90																					
80	0.00	0.02	0.04	0.09	0.15	0.19	0.22	0.22	0.21	0.21	0.22	0.21	0.18	0.14	0.08	0.05	0.02	0.01	2.27	2.19	
70	0.00	0.02	0.06	0.15	0.26	0.35	0.40	0.43	0.44	0.43	0.42	0.39	0.33	0.25	0.15	0.07	0.03	0.01	4.18	4.14	
60	0.00	0.02	0.09	0.21	0.35	0.47	0.54	0.59	0.60	0.60	0.58	0.53	0.45	0.34	0.21	0.10	0.03	0.01	5.71	5.68	
50	0.00	0.03	0.12	0.25	0.41	0.56	0.65	0.71	0.73	0.73	0.70	0.64	0.54	0.40	0.26	0.12	0.04	0.01	6.89	6.87	
40	0.00	0.04	0.13	0.28	0.45	0.62	0.74	0.80	0.82	0.82	0.79	0.72	0.61	0.46	0.30	0.15	0.04	0.01	7.78	7.76	
30	0.00	0.04	0.15	0.30	0.48	0.65	0.80	0.87	0.89	0.89	0.86	0.78	0.65	0.49	0.32	0.16	0.05	0.01	8.41	8.39	
	0.00	0.04	0.15	0.31	0.49	0.67	0.82	0.92	0.94	0.94	0.90	0.82	0.69	0.52	0.34	0.17	0.05	0.01	8.78	8.77	
	0.00	0.04	0.15	0.31	0.49	0.67	0.83	0.92	0.97	0.96	0.93	0.84	0.70	0.53	0.35	0.18	0.05	0.01	8.92	8.90	
	0.00	0.04	0.15	0.31	0.49	0.67	0.82	0.91	0.96	0.96	0.92	0.84	0.70	0.52	0.34	0.18	0.05	0.01	8.86	8.84	
	0.00	0.04	0.15	0.30	0.48	0.66	0.80	0.89	0.95	0.95	0.89	0.80	0.67	0.51	0.33	0.17	0.05	0.01	8.65	8.64	
-30	0.00	0.04	0.14	0.29	0.46	0.63	0.76	0.86	0.92	0.92	0.86	0.76	0.63	0.48	0.31	0.16	0.05	0.01	8.28	8.26	
-40	0.00	0.03	0.13	0.27	0.43	0.58	0.72	0.81	0.87	0.87	0.81	0.70	0.58	0.44	0.28	0.14	0.04	0.01	7.71	7.69	
-50	0.00	0.03	0.11	0.24	0.38	0.52	0.65	0.74	0.79	0.79	0.73	0.63	0.51	0.38	0.25	0.12	0.03	0.01	6.90	6.88	
-60	0.00	0.02	0.08	0.19	0.32	0.44	0.55	0.64	0.69	0.69	0.63	0.54	0.43	0.31	0.20	0.09	0.03	0.01	5.87	5.84	
-70	0.00	0.02	0.06	0.14	0.24	0.34	0.43	0.50	0.55	0.55	0.50	0.42	0.33	0.23	0.13	0.06	0.02	0.01	4.55	4.50	
-80	0.00	0.01	0.04	0.08	0.14	0.21	0.27	0.32	0.35	0.35	0.31	0.26	0.20	0.13	0.08	0.04	0.02	0.01	2.81	2.72	
-90	0.00	0.01	0.02	0.04	0.05	0.08	0.11	0.14	0.16	0.16	0.14	0.11	0.08	0.06	0.04	0.03	0.02	0.01	1.27	0.88	
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90	
Φ t	0.08	0.52	1.80	3.79	6.15	8.39	10.1	11.3	11.9	11.8	11.2	10.0	8.36	6.26	4.02	2.02	0.65	0.13	120		
Φ a	0.00	0.34	1.69	3.71	6.09	8.32	10.1	11.2	11.8	11.8	11.1	10.0	8.29	6.19	3.94	1.93	0.52	0.00		107	

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:

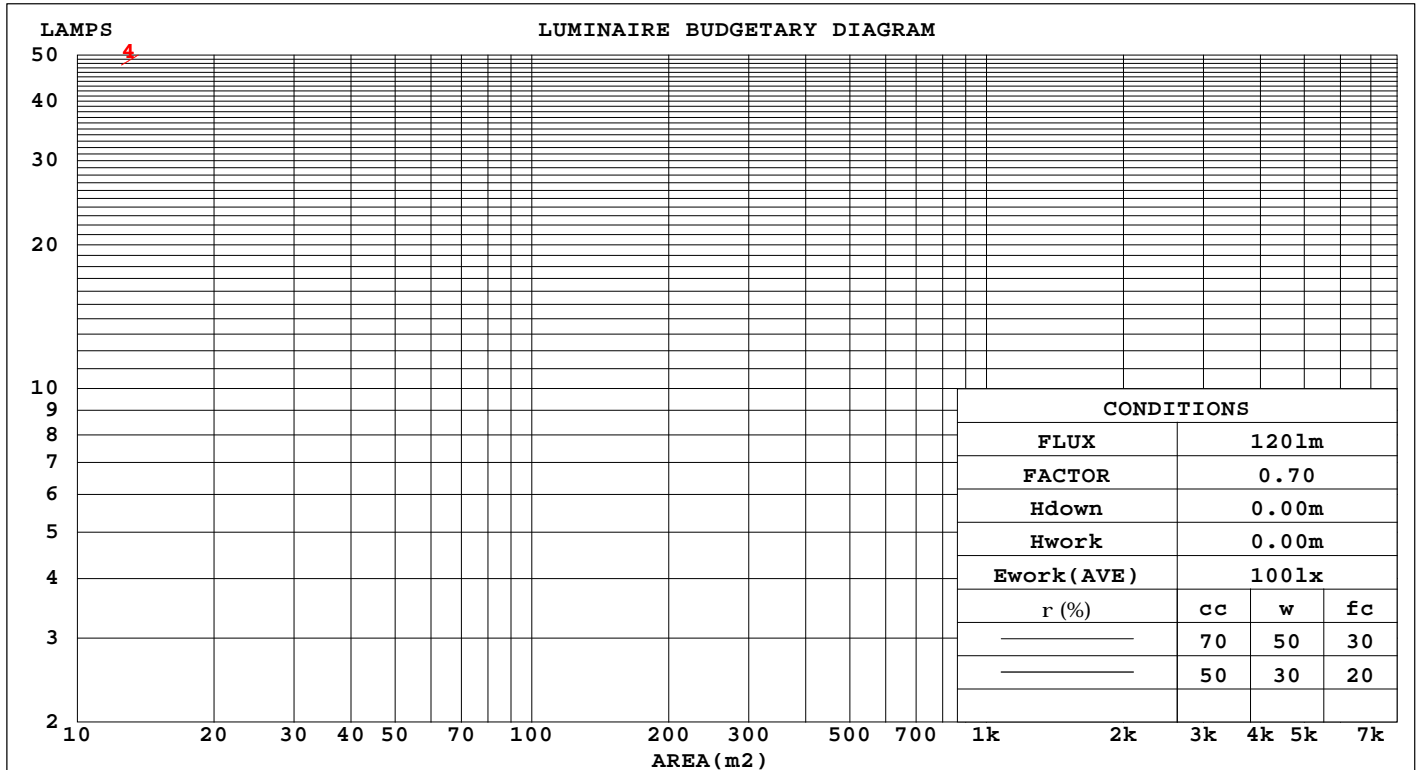
GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 51-RS-5050-24-112-12-X-Y R		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203012

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						Coefficients of Utilization(CU)									
0.0	1.17	1.17	1.17	1.13	1.13	1.13	1.06	1.06	1.06	.99	.99	.99	.93	.93	.93	.91
1.0	1.00	.96	.92	.97	.93	.89	.91	.88	.85	.86	.83	.81	.81	.79	.76	.74
2.0	.87	.80	.74	.84	.77	.72	.79	.73	.69	.74	.70	.66	.70	.66	.63	.60
3.0	.76	.67	.60	.73	.65	.59	.69	.62	.57	.65	.59	.55	.61	.57	.53	.50
4.0	.67	.57	.50	.65	.56	.50	.61	.54	.48	.57	.51	.46	.54	.49	.45	.42
5.0	.59	.50	.43	.57	.49	.42	.54	.47	.41	.51	.45	.40	.48	.43	.38	.36
6.0	.53	.44	.37	.51	.43	.37	.49	.41	.36	.46	.40	.35	.44	.38	.33	.31
7.0	.48	.39	.33	.47	.38	.32	.44	.37	.31	.42	.35	.30	.40	.34	.29	.27
8.0	.43	.35	.29	.42	.34	.28	.40	.33	.28	.38	.32	.27	.36	.31	.26	.24
9.0	.40	.31	.26	.39	.31	.25	.37	.30	.25	.35	.29	.24	.33	.28	.24	.22
10.0	.37	.29	.23	.36	.28	.23	.34	.27	.22	.32	.26	.22	.31	.25	.21	.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 R						TYPE: LED Strip			WEIGHT:		
SPECIFICATION: 5050 112D			CCT(K): 0			DIMENSION: 1M*0.012M			SERIAL No.: 20211203012		

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	.331	.188	.060	.321	.183	.058	.302	.173	.055	.285	.164	.053	.269	.156	.050		
2.0	.305	.167	.051	.296	.163	.050	.279	.155	.048	.264	.148	.046	.249	.141	.044		
3.0	.279	.149	.045	.271	.145	.044	.256	.139	.042	.242	.133	.041	.229	.127	.039		
4.0	.256	.133	.039	.249	.130	.038	.235	.125	.037	.223	.120	.036	.211	.115	.035		
5.0	.235	.120	.035	.229	.118	.034	.217	.113	.033	.205	.108	.032	.195	.104	.031		
6.0	.218	.109	.031	.212	.107	.031	.201	.103	.030	.190	.099	.029	.180	.095	.028		
7.0	.202	.100	.028	.196	.098	.028	.186	.094	.027	.177	.091	.026	.168	.087	.026		
8.0	.188	.092	.026	.183	.090	.025	.174	.087	.025	.165	.084	.024	.157	.081	.023		
9.0	.176	.085	.024	.171	.083	.023	.163	.081	.023	.155	.078	.022	.148	.075	.022		
10.0	.165	.079	.022	.161	.078	.022	.153	.075	.021	.146	.072	.021	.139	.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	.263	.263	.263	.224	.224	.224	.153	.153	.153	.088	.088	.088	.028	.028	.028		
1.0	.255	.229	.205	.218	.196	.177	.149	.135	.122	.086	.078	.071	.027	.025	.023		
2.0	.247	.205	.170	.212	.177	.147	.145	.122	.102	.084	.071	.060	.027	.023	.020		
3.0	.240	.188	.147	.206	.162	.127	.141	.113	.089	.082	.066	.053	.026	.021	.017		
4.0	.232	.175	.131	.200	.151	.114	.137	.105	.080	.079	.062	.048	.026	.020	.016		
5.0	.225	.165	.121	.193	.143	.105	.133	.100	.074	.077	.059	.044	.025	.019	.014		
6.0	.218	.157	.113	.187	.136	.098	.129	.095	.070	.075	.056	.041	.024	.018	.014		
7.0	.211	.150	.107	.182	.130	.094	.125	.091	.066	.073	.054	.039	.024	.018	.013		
8.0	.205	.145	.103	.176	.125	.090	.122	.088	.064	.071	.052	.038	.023	.017	.013		
9.0	.199	.140	.100	.171	.121	.087	.119	.085	.062	.069	.050	.037	.022	.017	.012		
10.0	.193	.135	.097	.166	.118	.085	.115	.083	.060	.067	.049	.036	.022	.016	.012		

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 R					TYPE: LED Strip			WEIGHT:			
SPECIFICATION: 5050 112D		CCT(K): 0			DIMENSION: 1M*0.012M			SERIAL No.: 20211203012			
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	8.7	10.1	9.1	10.5	10.9	9.5	10.9	9.9	11.3	11.7
	3H	10.2	11.5	10.6	11.9	12.4	11.6	13.0	12.1	13.4	13.8
	4H	10.7	12.0	11.2	12.4	12.8	12.6	13.8	13.0	14.2	14.7
	6H	10.9	12.1	11.4	12.5	13.0	13.3	14.5	13.8	15.0	15.4
	8H	11.0	12.2	11.5	12.6	13.1	13.7	14.8	14.2	15.3	15.8
	12H	11.2	12.3	11.7	12.7	13.2	14.0	15.1	14.5	15.6	16.1
4H	2H	9.5	10.7	9.9	11.1	11.6	10.1	11.3	10.5	11.7	12.2
	3H	11.2	12.3	11.7	12.7	13.2	12.4	13.5	12.9	13.9	14.4
	4H	11.8	12.8	12.3	13.3	13.8	13.4	14.4	13.9	14.9	15.4
	6H	12.1	13.0	12.7	13.5	14.1	14.3	15.2	14.9	15.7	16.3
	8H	12.3	13.1	12.8	13.6	14.2	14.8	15.6	15.3	16.1	16.7
	12H	12.5	13.2	13.0	13.8	14.4	15.2	15.9	15.7	16.5	17.1
8H	4H	12.2	13.0	12.8	13.6	14.2	13.6	14.4	14.2	15.0	15.6
	6H	12.7	13.4	13.3	14.0	14.6	14.7	15.4	15.3	16.0	16.6
	8H	13.0	13.6	13.6	14.2	14.8	15.2	15.9	15.8	16.4	17.1
	12H	13.3	13.8	13.9	14.4	15.1	15.8	16.3	16.4	16.9	17.6
12H	4H	12.3	13.0	12.8	13.6	14.2	13.6	14.4	14.2	14.9	15.5
	6H	12.8	13.5	13.4	14.0	14.7	14.7	15.4	15.3	15.9	16.6
	8H	13.2	13.7	13.8	14.3	15.0	15.3	15.9	16.0	16.5	17.1
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.1 / - 0.2					
2.0H	+ 0.2 / - 0.4					+ 0.1 / - 0.2					

CIE Pub.117 Corrected 120.3 lm Total Lamp Luminous Flux.(8log(F/F0) = -7.4)

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 R		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203012

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) $k(RI) \times RCR = 5$									
$k = 0.60$	52	40	33	51	40	33	50	39	33	26
0.80	62	50	42	61	49	42	58	48	41	33
1.00	70	58	51	69	58	50	66	58	49	41
1.25	78	66	58	76	65	58	72	63	56	48
1.50	83	72	64	81	71	63	76	68	62	52
2.00	90	80	73	87	79	72	83	75	70	60
2.50	94	86	79	91	84	77	86	80	75	64
3.00	98	90	84	95	88	82	89	84	79	68
4.00	102	96	90	99	93	88	93	89	85	73
5.00	105	99	95	102	97	92	95	92	88	76
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

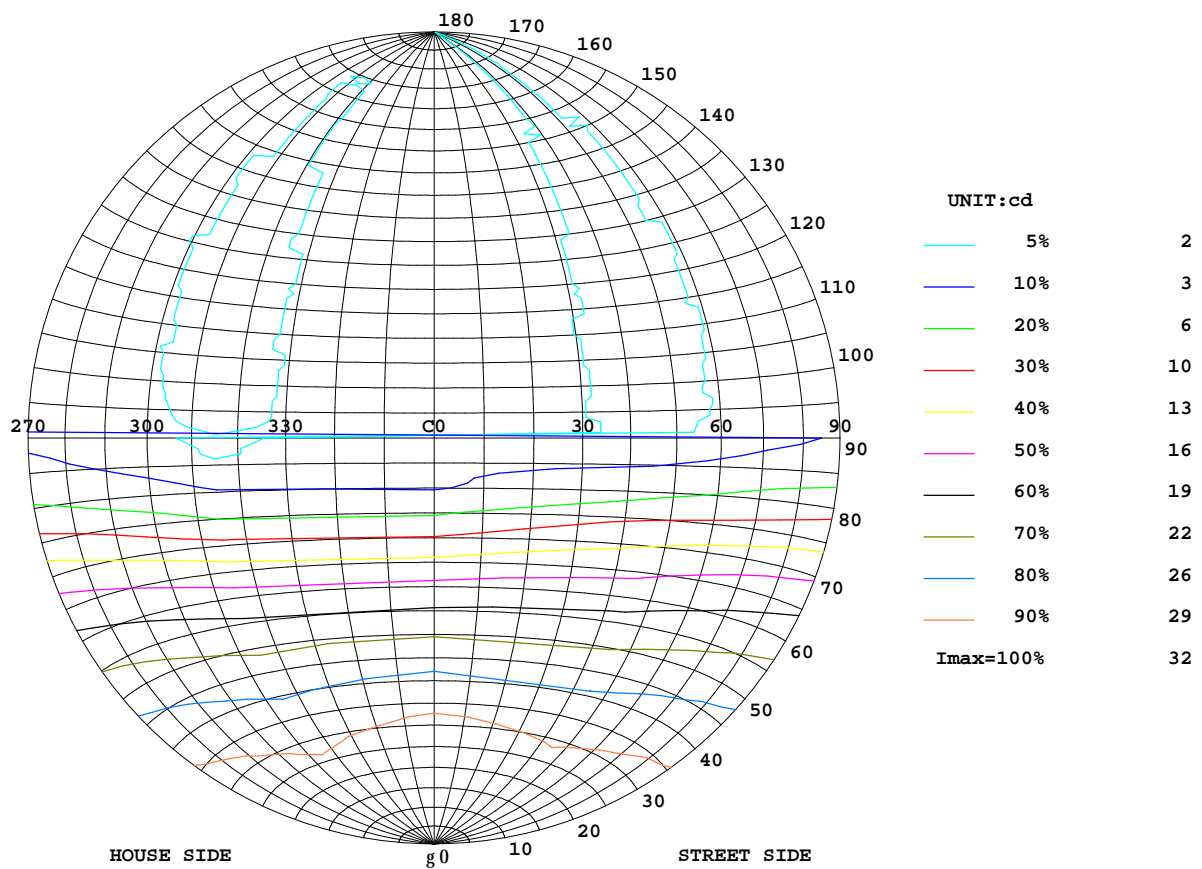
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2021年12月03日

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 R		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203012



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

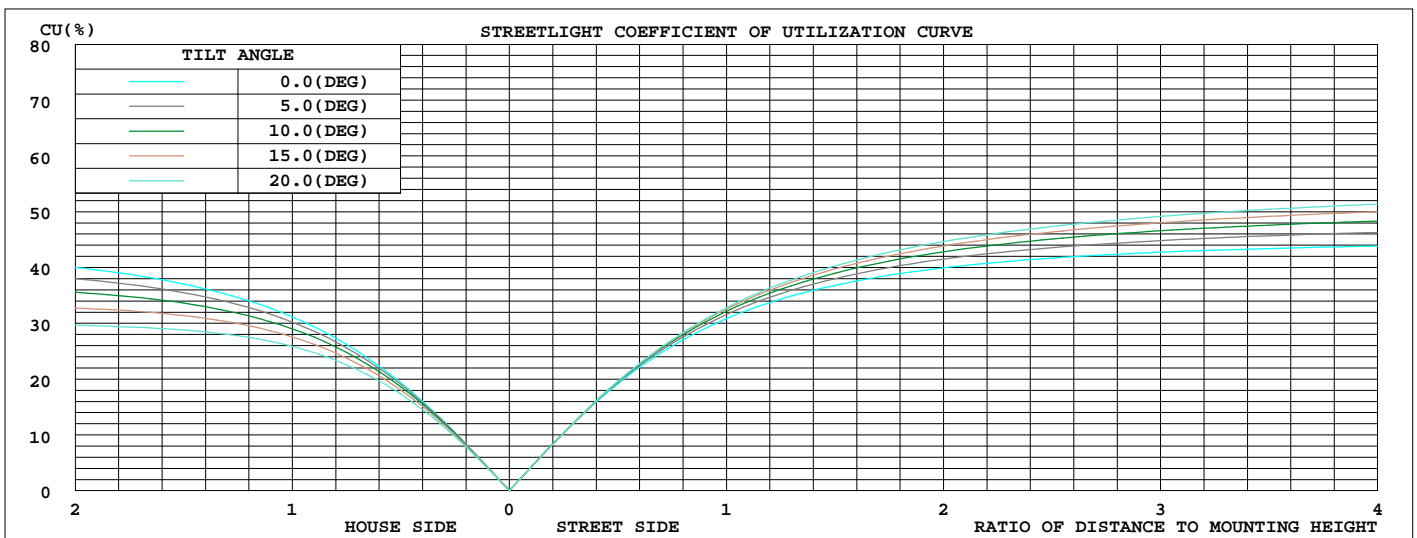
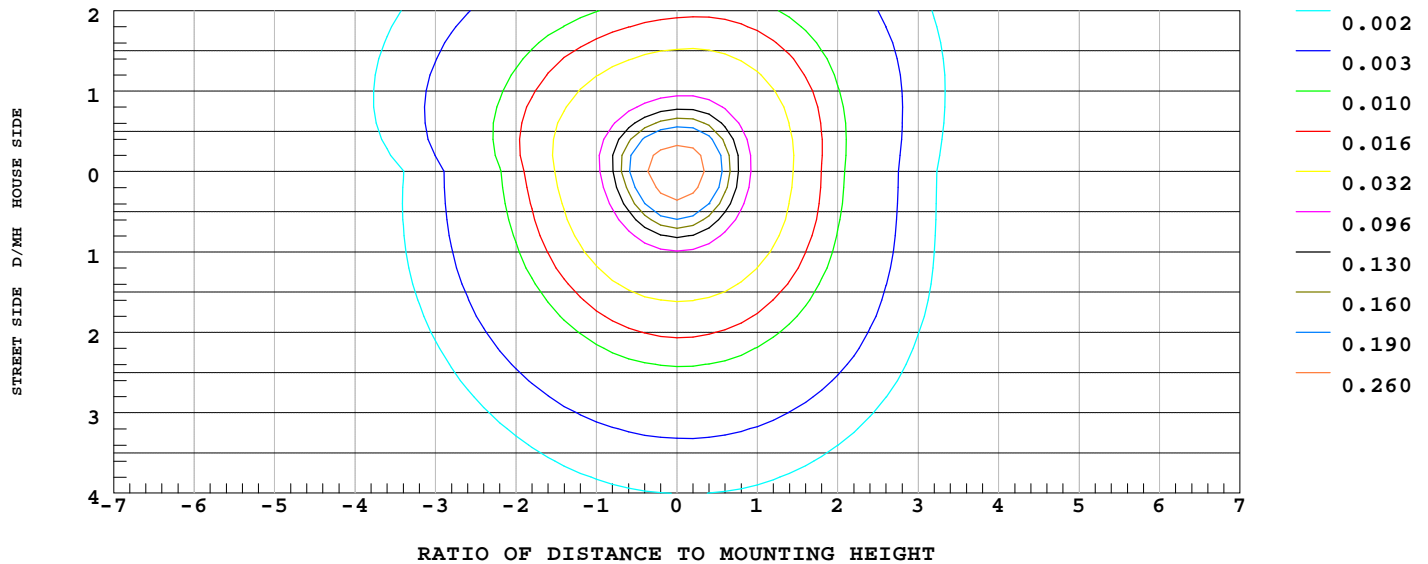
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.800 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 51-RS-5050-24-112-12-X-Y R		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203012

ILLUMINANCE AT MH=10 m, Enadir = 0.32 lx



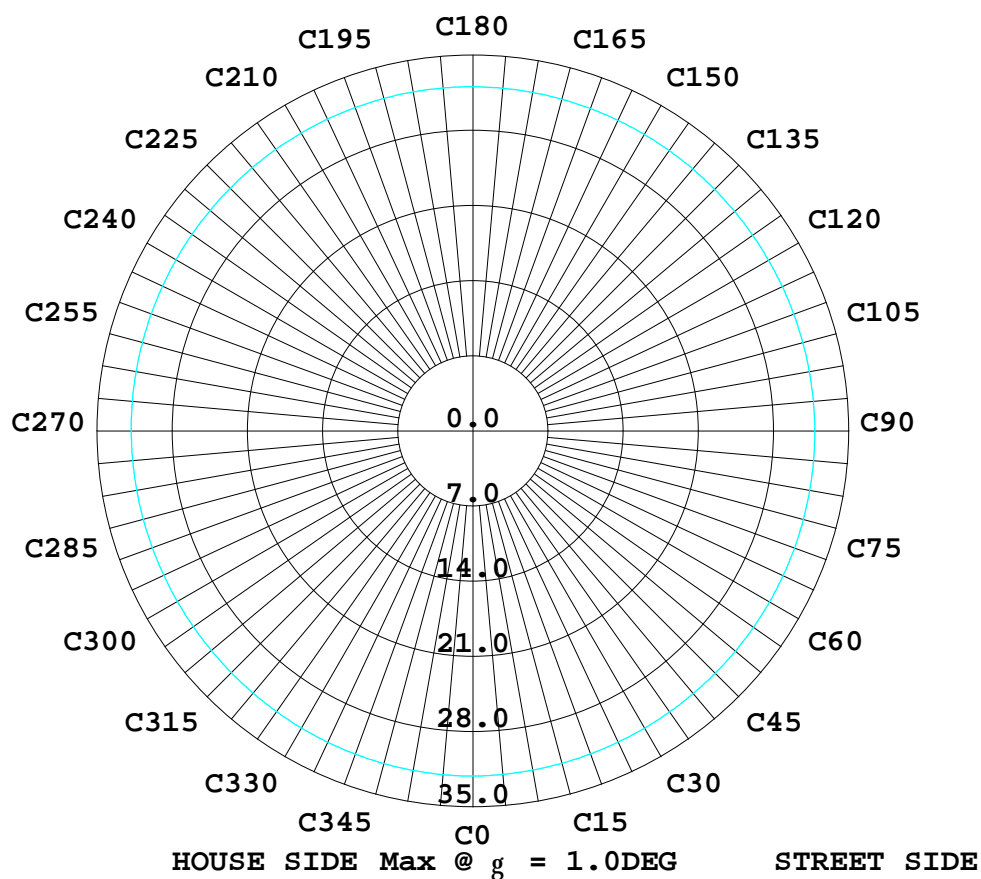
Test System: HOPOO HPG1800
Temperature: 25.3 DEG
Operators:
Test Date: 2021年12月03日

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 R		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 5050 112D	CCT(K): 0	DIMENSION: 1M*0.012M	SERIAL No.: 20211203012



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: