

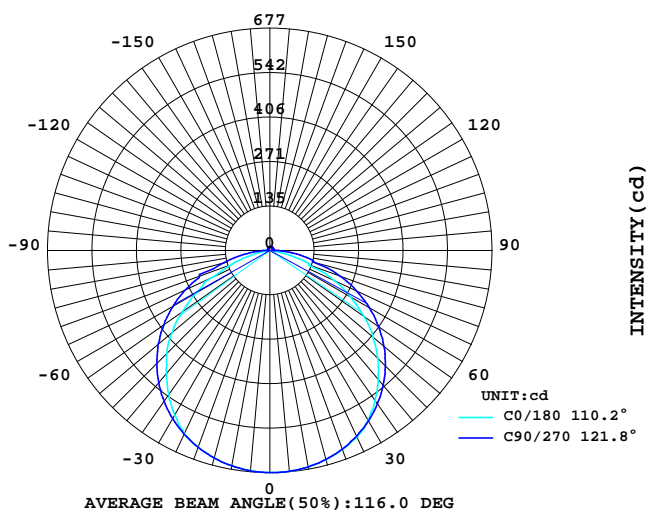
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

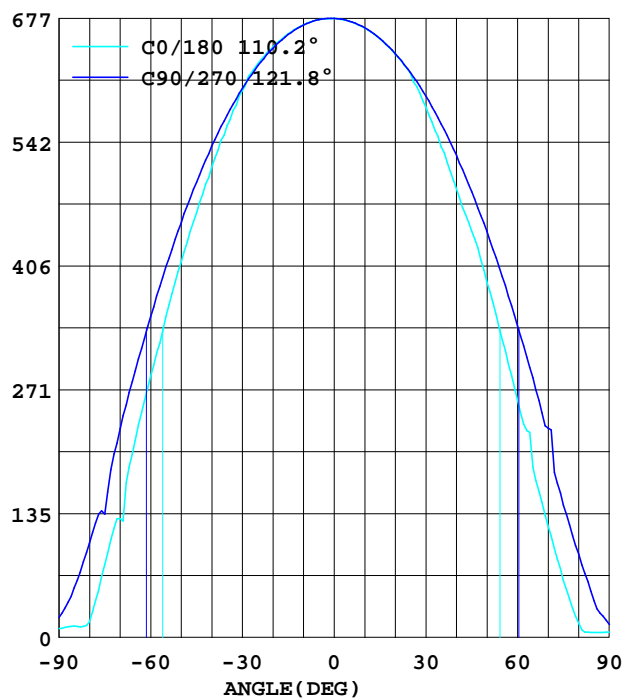
MANUFACTURER:			
Address:			
NAME: RS-HE-2835-128-24-8-12.5-8-4000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 4000	DIMENSION: 1M*0.01M	SERIAL No.: 20211230001

DATA OF LAMP		Imax(cd)	677.2	S/MH(C0/180)	1.30
MODEL	2835	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.32
NOMINAL POWER(W)	12	TOTAL FLUX(lm)	2108.4	Voltage(V)	23.98
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	164.1	Current(A)	0.535
NOMINAL FLUX(lm)	2108.4	h up(%)	2.8	Power(W)	12.85
LAMPS QUANTITY	1	h down(%)	97.2	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	2018.7	EEL	0.087

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年12月30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: RS-HE-2835-128-24-8-12.5-8-4000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 4000	DIMENSION: 1M*0.01M	SERIAL No.: 20211230001

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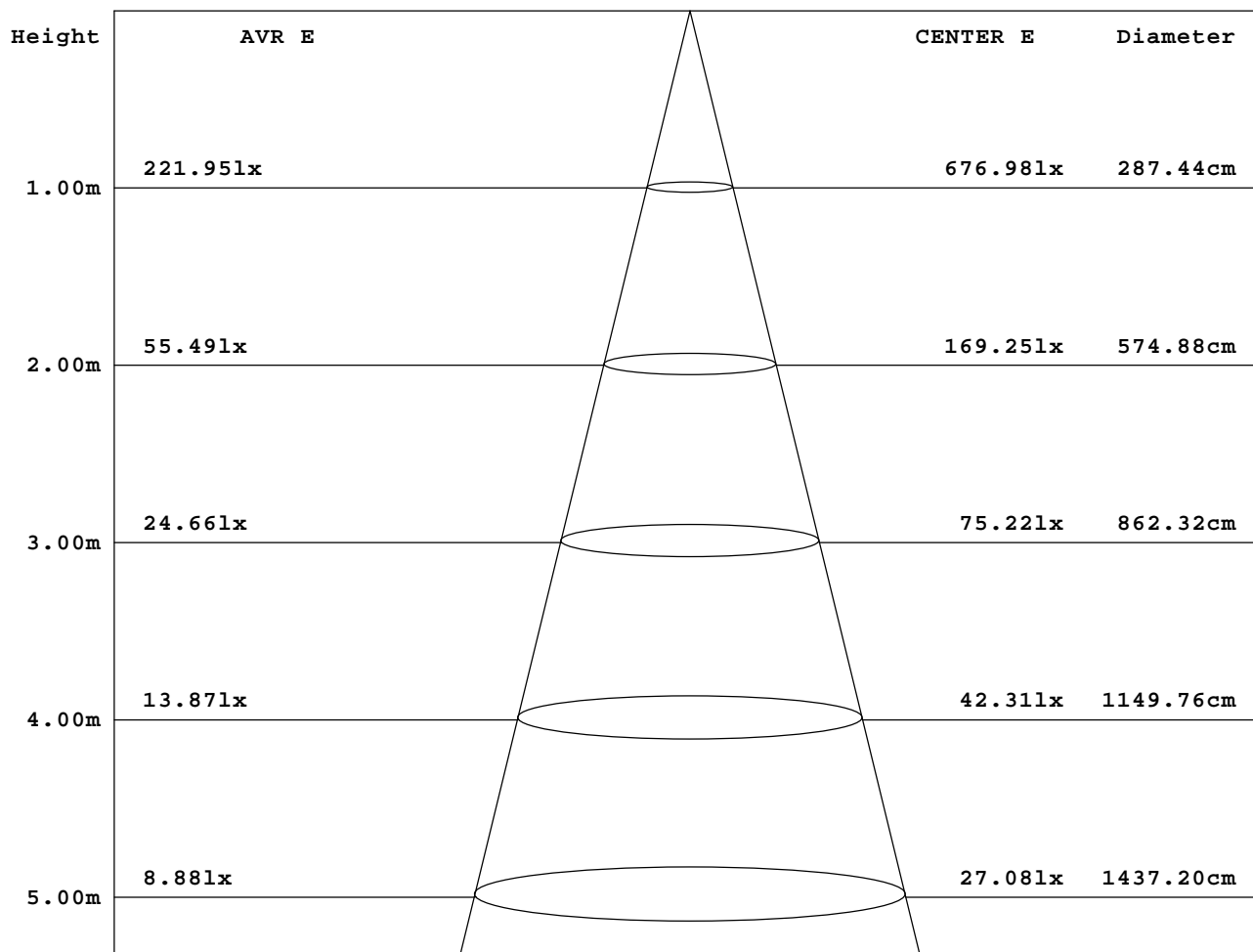
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2021年12月30日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
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AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:			
Address:			
NAME: RS-HE-2835-128-24-8-12.5-8-4000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 4000	DIMENSION: 1M*0.01M	SERIAL No.: 20211230001



Angle:110.3deg

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年12月30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: RS-HE-2835-128-24-8-12.5-8-4000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 4000	DIMENSION: 1M*0.01M	SERIAL No.: 20211230001

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	tBtal
5.0	675.5	672.9	675.7	674.5	673.8	674.8	674.1	675.1	0- 5	16.15	16.15
10.0	670.2	665.5	669.9	667.6	666.6	669.1	666.9	669.0	5- 10	48.03	64.18
15.0	660.4	653.5	659.6	656.2	654.6	659.5	654.9	658.9	10- 15	78.62	142.8
20.0	645.7	637.4	644.3	640.6	638.1	645.0	638.4	643.7	15- 20	107.0	249.8
25.0	627.3	615.8	625.1	619.6	617.4	625.8	618.0	619.5	20- 25	132.4	382.3
30.0	598.3	589.5	600.3	593.8	580.5	602.9	592.3	581.5	25- 30	153.5	535.9
35.0	559.6	559.5	570.8	564.3	536.8	574.2	561.5	542.1	30- 35	169.5	705.4
40.0	514.4	523.5	537.4	528.8	490.6	540.4	527.5	510.5	35- 40	180.2	885.6
45.0	464.7	482.4	497.9	488.2	444.0	503.5	487.4	474.5	40- 45	185.5	1071
50.0	410.7	438.1	453.4	444.1	388.5	460.4	444.2	441.7	45- 50	185.0	1256
55.0	350.8	386.7	405.3	393.3	325.6	412.2	394.7	397.2	50- 55	178.1	1434
60.0	285.3	330.5	350.6	337.4	259.2	361.2	340.4	346.2	55- 60	164.0	1598
65.0	215.5	272.5	291.2	279.8	186.1	303.4	284.0	289.2	60- 65	144.4	1743
70.0	130.1	224.0	227.9	226.5	122.2	241.6	228.9	231.0	65- 70	117.9	1861
75.0	79.53	136.9	134.9	144.6	62.18	179.6	144.8	171.4	70- 75	87.69	1949
80.0	16.88	74.41	103.0	84.48	15.72	118.0	91.14	115.0	75- 80	54.86	2003
85.0	12.39	32.83	54.05	37.94	5.498	69.54	40.03	60.48	80- 85	30.91	2034
90.0	9.757	9.060	21.99	11.22	5.730	28.42	14.32	26.63	85- 90	14.24	2049
95.0	9.292	5.188	11.15	5.653	6.040	12.23	6.350	12.23	90- 95	6.114	2055
100.0	9.215	5.575	9.912	5.885	6.504	10.84	6.040	10.76	95-100	4.436	2059
105.0	9.215	6.040	9.757	6.272	6.969	10.68	6.504	10.84	100-105	4.382	2063
110.0	9.292	6.427	9.757	6.582	7.356	10.60	6.892	10.76	105-110	4.375	2068
115.0	9.370	6.892	9.757	6.814	7.821	10.53	7.356	10.76	110-115	4.340	2072
120.0	9.602	7.356	9.912	7.201	8.286	10.60	7.744	10.76	115-120	4.275	2076
125.0	9.834	7.821	10.06	7.589	8.673	10.68	8.208	10.84	120-125	4.192	2081
130.0	10.06	8.286	10.29	8.053	9.137	10.84	8.673	10.99	125-130	4.076	2085
135.0	10.37	8.750	10.60	8.518	9.525	11.07	9.060	11.15	130-135	3.920	2089
140.0	10.60	9.137	10.84	8.905	9.912	11.30	9.447	11.38	135-140	3.714	2092
145.0	10.91	9.525	11.07	9.292	10.29	11.53	9.834	11.53	140-145	3.455	2096
150.0	11.15	9.912	11.30	9.680	10.68	11.69	10.14	11.69	145-150	3.134	2099
155.0	11.38	10.22	11.53	9.989	10.99	11.84	10.45	11.84	150-155	2.759	2102
160.0	11.61	10.45	11.69	10.29	11.30	12.00	10.68	11.92	155-160	2.335	2104
165.0	11.84	10.68	11.84	10.53	11.53	12.08	10.91	12.00	160-165	1.869	2106
170.0	12.00	10.91	12.00	10.68	11.69	12.15	11.07	12.08	165-170	1.364	2107
175.0	12.08	11.07	12.08	10.84	11.84	12.15	11.15	12.08	170-175	0.832	2108
180.0	12.08	11.30	12.08	11.15	12.23	12.00	11.30	11.84	175-180	0.279	2108
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年12月30日

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

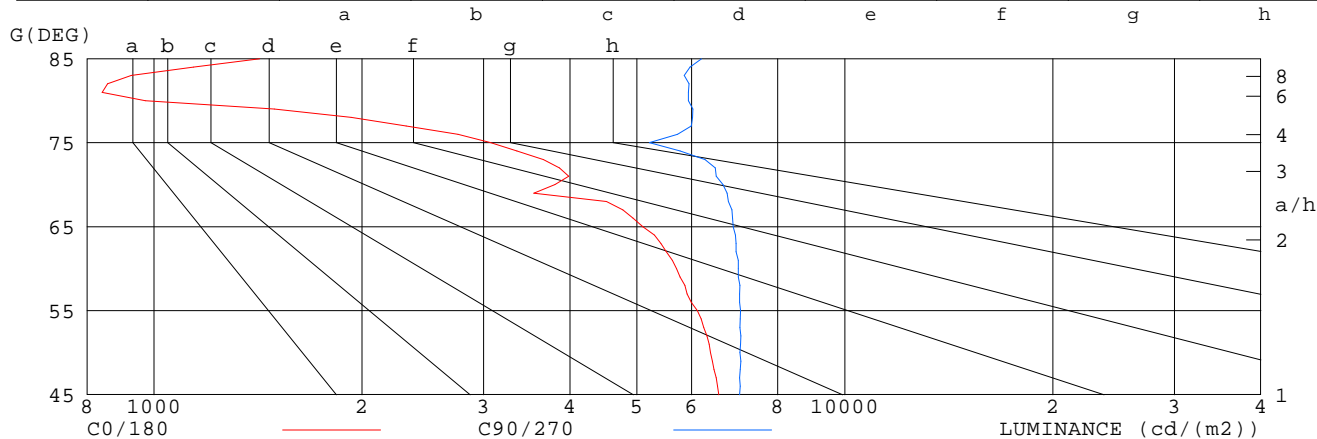
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME: RS-HE-2835-128-24-8-12.5-8-4000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 4000	DIMENSION: 1M*0.01M	SERIAL No.: 20211230001

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



G (DEG)	LUMINANCE cd/m2	
	C0/180	C90/270
85	1422	6202
80	972	5936
75	3073	5215
70	3806	6666
65	5101	6892
60	5707	7013
55	6117	7068
50	6390	7054
45	6573	7042

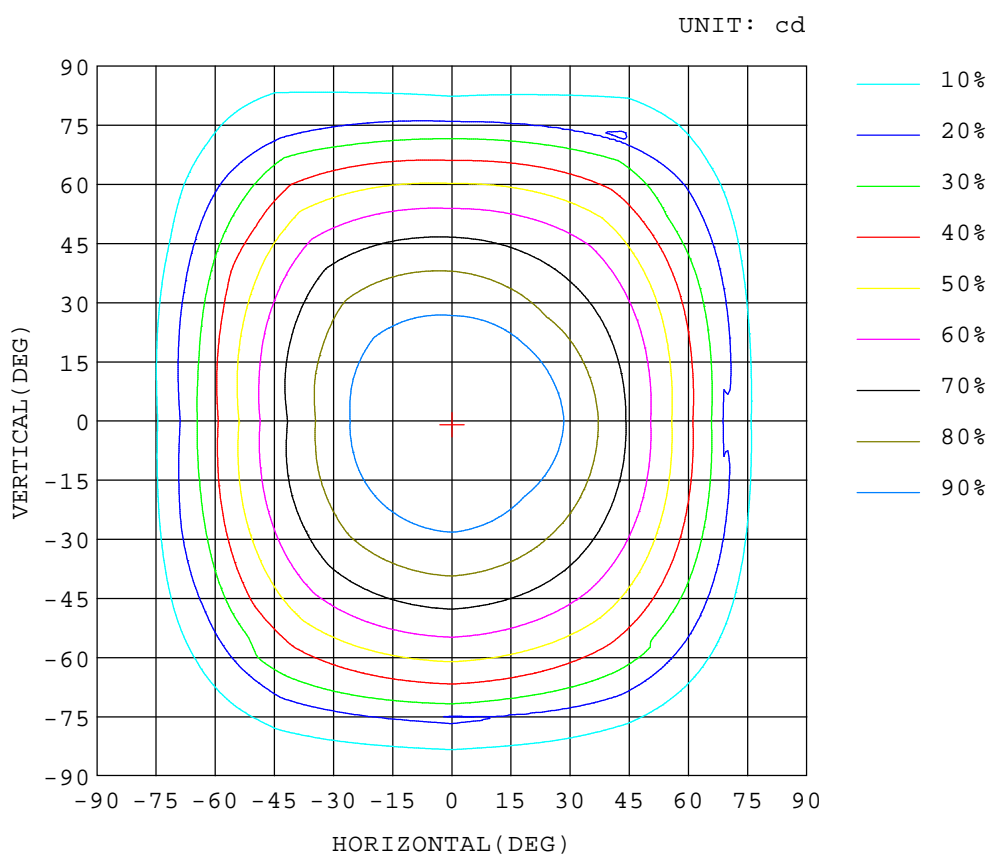
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年12月30日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
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ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: RS-HE-2835-128-24-8-12.5-8-4000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 4000	DIMENSION: 1M*0.01M	SERIAL No.: 20211230001



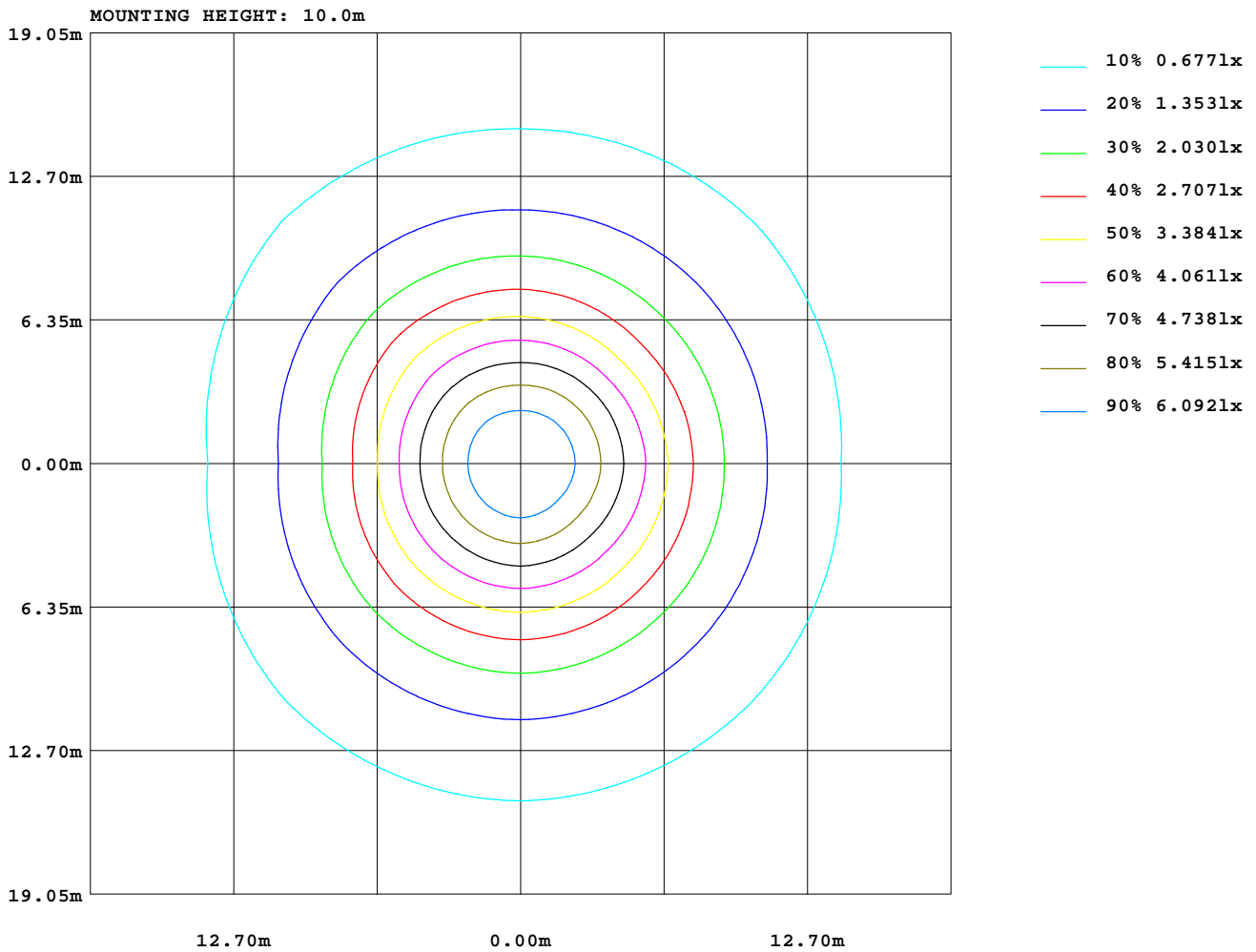
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年12月30日

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: RS-HE-2835-128-24-8-12.5-8-4000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 4000	DIMENSION: 1M*0.01M	SERIAL No.: 20211230001



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年12月30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: RS-HE-2835-128-24-8-12.5-8-4000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 4000	DIMENSION: 1M*0.01M	SERIAL No.: 20211230001

VERTICAL( DEG )	AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90		
90	0.03	0.13	0.35	0.70	1.16	1.40	1.51	1.52	1.45	1.43	1.46	1.41	1.27	1.04	0.65	0.35	0.15	0.03	16.0	5.73	
80	0.03	0.19	0.62	1.42	2.51	3.36	4.00	4.45	4.62	4.60	4.39	3.91	3.26	2.44	1.37	0.59	0.20	0.04	42.0	39.8	
70	0.03	0.24	0.92	2.28	4.31	6.02	7.31	8.21	8.59	8.54	8.07	7.11	5.79	4.13	2.26	0.94	0.26	0.04	75.1	73.9	
60	0.03	0.31	1.35	3.37	5.94	8.36	10.1	11.3	11.9	11.8	11.1	9.85	8.04	5.75	3.34	1.40	0.33	0.05	105	104	
50	0.03	0.39	1.81	4.26	7.29	10.2	12.5	14.0	14.7	14.6	13.6	12.1	9.94	7.14	4.27	1.88	0.43	0.05	130	129	
40	0.03	0.49	2.16	5.00	8.34	11.7	14.4	16.1	16.9	16.8	15.6	13.7	11.2	8.29	5.08	2.26	0.54	0.04	149	149	
30	0.03	0.56	2.43	5.49	9.11	12.6	15.7	17.7	18.6	18.6	17.3	15.0	12.3	9.12	5.66	2.57	0.64	0.04	164	164	
20	0.03	0.59	2.58	5.76	9.55	13.2	16.5	18.7	19.7	19.7	18.7	16.3	13.2	9.68	6.03	2.75	0.69	0.04	174	174	
10	0.02	0.58	2.57	5.80	9.63	13.4	16.9	19.1	20.3	20.3	19.2	17.1	13.7	9.97	6.16	2.81	0.69	0.04	179	178	
0	0.02	0.57	2.55	5.77	9.60	13.4	16.8	19.1	20.3	20.3	19.2	17.1	13.8	9.99	6.14	2.80	0.68	0.03	178	178	
-10	0.02	0.57	2.53	5.68	9.45	13.1	16.3	18.6	19.8	19.8	18.5	16.4	13.3	9.71	5.98	2.72	0.67	0.04	174	173	
-20	0.02	0.52	2.36	5.35	8.93	12.4	15.5	17.6	18.7	18.7	17.5	15.4	12.5	9.09	5.57	2.51	0.60	0.04	164	163	
-30	0.02	0.44	2.06	4.80	8.06	11.3	14.1	16.0	17.1	17.1	16.0	14.0	11.3	8.14	4.95	2.17	0.49	0.04	148	148	
-40	0.02	0.34	1.68	4.01	6.92	9.84	12.2	13.9	14.9	14.9	13.9	12.1	9.71	6.91	4.09	1.74	0.36	0.04	128	127	
-50	0.02	0.23	1.18	3.10	5.49	7.87	9.82	11.3	12.1	12.1	11.2	9.70	7.71	5.41	3.06	1.22	0.24	0.04	102	101	
-60	0.02	0.16	0.72	1.94	3.79	5.54	7.01	8.10	8.73	8.70	8.02	6.85	5.34	3.60	1.89	0.69	0.18	0.03	71.3	69.9	
-70	0.02	0.11	0.39	0.98	1.91	2.82	3.64	4.31	4.69	4.65	4.20	3.50	2.65	1.73	0.90	0.38	0.13	0.03	37.0	33.8	
-80	0.02	0.07	0.18	0.36	0.63	0.92	1.21	1.46	1.66	1.64	1.41	1.13	0.84	0.55	0.33	0.19	0.09	0.03	12.7	3.39	
-90	0.02	0.07	0.18	0.36	0.63	0.92	1.21	1.46	1.66	1.64	1.41	1.13	0.84	0.55	0.33	0.19	0.09	0.03	12.7	3.39	
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90		
Φ t	0.46	6.48	28.5	66.1	113	158	196	222	235	235	220	193	156	113	67.7	30.0	7.35	0.68	2108		
Φ a	0.00	3.27	26.0	64.2	111	156	194	221	234	233	218	191	154	111	65.7	27.5	4.30	0.00		2019	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年12月30日

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



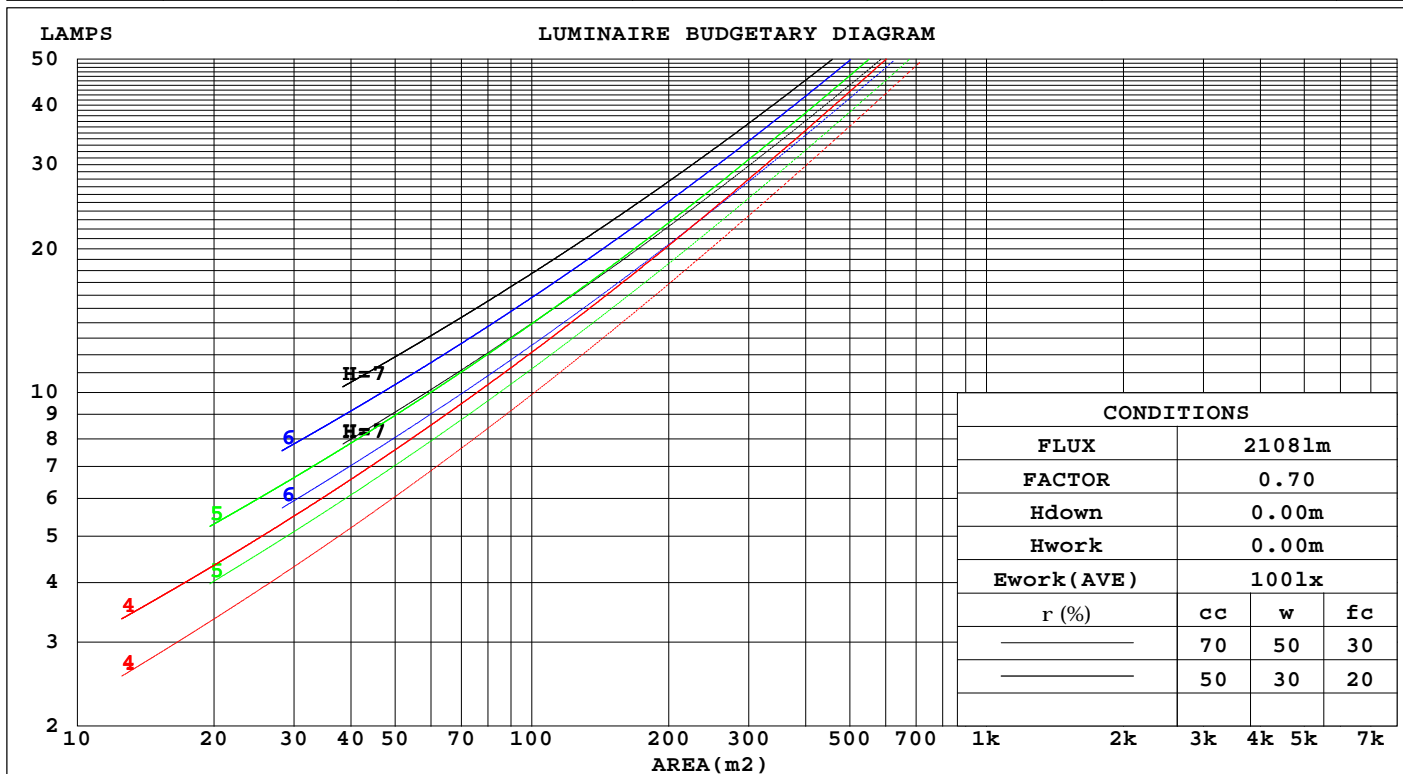
GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: RS-HE-2835-128-24-8-12.5-8-4000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 4000	DIMENSION: 1M*0.01M	SERIAL No.: 20211230001

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 <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.03	.99	.95	1.00	.96	.93	.96	.92	.89	.91	.89	.86	.87	.85	.83	.81
2.0	.90	.83	.77	.87	.81	.76	.83	.78	.73	.80	.75	.71	.76	.73	.69	.67
3.0	.78	.70	.64	.77	.69	.63	.73	.67	.61	.70	.64	.60	.67	.62	.58	.56
4.0	.69	.60	.54	.68	.59	.53	.65	.58	.52	.62	.56	.51	.60	.54	.50	.48
5.0	.62	.53	.46	.60	.52	.46	.58	.50	.45	.56	.49	.44	.54	.48	.43	.41
6.0	.55	.46	.40	.54	.46	.40	.52	.45	.39	.50	.44	.38	.48	.43	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.47	.40	.34	.46	.39	.34	.44	.38	.34	.31
8.0	.46	.37	.31	.45	.37	.31	.43	.36	.31	.42	.35	.30	.40	.34	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.37	.31	.27	.25
10.0	.39	.31	.25	.38	.30	.25	.37	.30	.25	.36	.29	.25	.35	.29	.24	.23



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年12月30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:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: RS-HE-2835-128-24-8-12.5-8-4000K-20-5M</b>		<b>TYPE: LED Strip</b>	<b>WEIGHT:</b>
<b>SPECIFICATION: 2835/128D</b>	<b>CCT(K): 4000</b>	<b>DIMENSION: 1M*0.01M</b>	<b>SERIAL No.: 20211230001</b>

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
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Wall Exitance Coefficients(WEC)</b>									
0.0																
1.0	.314	.178	.057	.306	.174	.055	.291	.167	.053	.277	.160	.051	.265	.153	.049	
2.0	.294	.161	.049	.287	.158	.049	.274	.152	.047	.262	.147	.046	.250	.142	.045	
3.0	.272	.145	.043	.266	.142	.043	.254	.138	.042	.243	.133	.041	.233	.129	.040	
4.0	.251	.130	.038	.245	.128	.038	.235	.124	.037	.225	.121	.036	.216	.117	.036	
5.0	.232	.118	.034	.227	.116	.034	.217	.113	.033	.208	.110	.033	.200	.107	.032	
6.0	.215	.108	.031	.210	.106	.031	.202	.103	.030	.194	.101	.030	.187	.098	.029	
7.0	.200	.099	.028	.196	.097	.028	.188	.095	.027	.181	.093	.027	.174	.091	.027	
8.0	.186	.091	.026	.183	.090	.025	.176	.088	.025	.170	.086	.025	.164	.084	.024	
9.0	.175	.084	.024	.171	.084	.023	.165	.082	.023	.159	.080	.023	.154	.078	.023	
10.0	.164	.079	.022	.161	.078	.022	.156	.076	.021	.150	.075	.021	.145	.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
r fc	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Ceiling Cavity Exitance Coefficients(CCEC)</b>									
0.0	.212	.212	.212	.181	.181	.181	.124	.124	.124	.071	.071	.071	.023	.023	.023	
1.0	.202	.178	.156	.173	.153	.134	.118	.105	.093	.068	.061	.054	.022	.020	.017	
2.0	.195	.154	.120	.167	.132	.103	.114	.092	.072	.066	.053	.042	.021	.017	.014	
3.0	.187	.136	.096	.160	.118	.083	.110	.082	.058	.064	.048	.034	.020	.015	.011	
4.0	.179	.123	.080	.154	.106	.070	.106	.074	.049	.061	.043	.029	.020	.014	.010	
5.0	.172	.113	.069	.148	.098	.060	.102	.068	.043	.059	.040	.025	.019	.013	.008	
6.0	.165	.105	.061	.142	.091	.053	.098	.063	.038	.057	.037	.022	.018	.012	.007	
7.0	.158	.098	.055	.136	.085	.048	.094	.059	.034	.055	.035	.020	.018	.011	.007	
8.0	.152	.092	.051	.131	.080	.044	.090	.056	.032	.053	.033	.019	.017	.011	.006	
9.0	.146	.087	.048	.125	.076	.042	.087	.053	.029	.051	.031	.018	.016	.010	.006	
10.0	.140	.083	.045	.121	.072	.039	.084	.051	.028	.049	.030	.017	.016	.010	.006	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年12月30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: RS-HE-2835-128-24-8-12.5-8-4000K-20-5M					TYPE: LED Strip			WEIGHT:		
SPECIFICATION: 2835/128D		CCT(K): 4000			DIMENSION: 1M*0.01M			SERIAL No.: 20211230001		
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	19.0	20.5	19.3	20.8	21.0	19.7	21.2	20.0	21.4	21.7
3H	20.2	21.5	20.5	21.8	22.1	21.4	22.7	21.7	23.0	23.3
4H	20.5	21.8	20.8	22.1	22.4	21.9	23.2	22.3	23.5	23.9
6H	20.5	21.7	20.9	22.1	22.4	22.4	23.7	22.8	24.0	24.3
8H	20.5	21.6	20.8	22.0	22.3	22.6	23.8	23.0	24.1	24.5
12H	20.4	21.6	20.8	21.9	22.3	22.8	23.9	23.2	24.3	24.6
4H 2H	19.8	21.1	20.1	21.4	21.7	20.3	21.6	20.6	21.9	22.2
3H	21.1	22.2	21.5	22.6	23.0	22.1	23.3	22.5	23.6	24.0
4H	21.5	22.6	21.9	22.9	23.3	22.8	23.8	23.2	24.2	24.6
6H	21.6	22.5	22.0	22.9	23.4	23.4	24.3	23.8	24.7	25.2
8H	21.6	22.5	22.0	22.9	23.3	23.6	24.5	24.1	24.9	25.4
12H	21.6	22.4	22.0	22.8	23.3	23.8	24.6	24.3	25.1	25.5
8H 4H	21.8	22.7	22.3	23.1	23.5	23.0	23.8	23.4	24.2	24.7
6H	22.0	22.7	22.5	23.2	23.7	23.7	24.4	24.2	24.9	25.4
8H	22.1	22.7	22.6	23.2	23.7	24.0	24.7	24.5	25.1	25.7
12H	22.1	22.6	22.6	23.1	23.7	24.3	24.9	24.9	25.4	25.9
12H 4H	21.8	22.6	22.3	23.1	23.5	22.9	23.7	23.4	24.2	24.6
6H	22.1	22.7	22.6	23.2	23.7	23.7	24.3	24.2	24.8	25.3
8H	22.2	22.7	22.7	23.2	23.8	24.1	24.6	24.6	25.1	25.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.3					+ 0.2 / - 0.2				
1.5H	+ 0.3 / - 0.5					+ 0.2 / - 0.2				
2.0H	+ 0.2 / - 0.5					+ 0.2 / - 0.2				

CIE Pub.117 Corrected 2108 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.6)

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年12月30日

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

**GONIOPHOTOMETERS SYSTEM TEST REPORT**

**UTILIZATION FACTORS TABLE**

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME:</b> RS-HE-2835-128-24-8-12.5-8-4000K-20-5M		<b>TYPE:</b> LED Strip	<b>WEIGHT:</b>
<b>SPECIFICATION:</b> 2835/128D	<b>CCT(K):</b> 4000	<b>DIMENSION:</b> 1M*0.01M	<b>SERIAL No.:</b> 20211230001

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
<b>ROOM INDEX</b>	<b>UTILIZATION FACTORS (PERCENT) <math>k(RI) \times RCR = 5</math></b>									
<b>k = 0.60</b>	56	44	37	55	44	37	54	43	37	30
<b>0.80</b>	66	54	47	65	54	46	63	53	46	39
<b>1.00</b>	74	63	56	73	62	55	71	64	55	47
<b>1.25</b>	82	71	63	80	70	63	77	68	62	54
<b>1.50</b>	87	76	69	85	75	69	81	73	67	59
<b>2.00</b>	94	85	78	92	83	77	88	81	76	67
<b>2.50</b>	98	90	83	95	88	82	91	85	80	71
<b>3.00</b>	101	94	88	99	92	87	94	89	85	75
<b>4.00</b>	105	99	94	103	97	93	98	93	90	80
<b>5.00</b>	108	103	98	105	100	97	100	96	93	83
<b>ROOM INDEX</b>	<b>UF(total)</b>									<b>Direct</b>
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

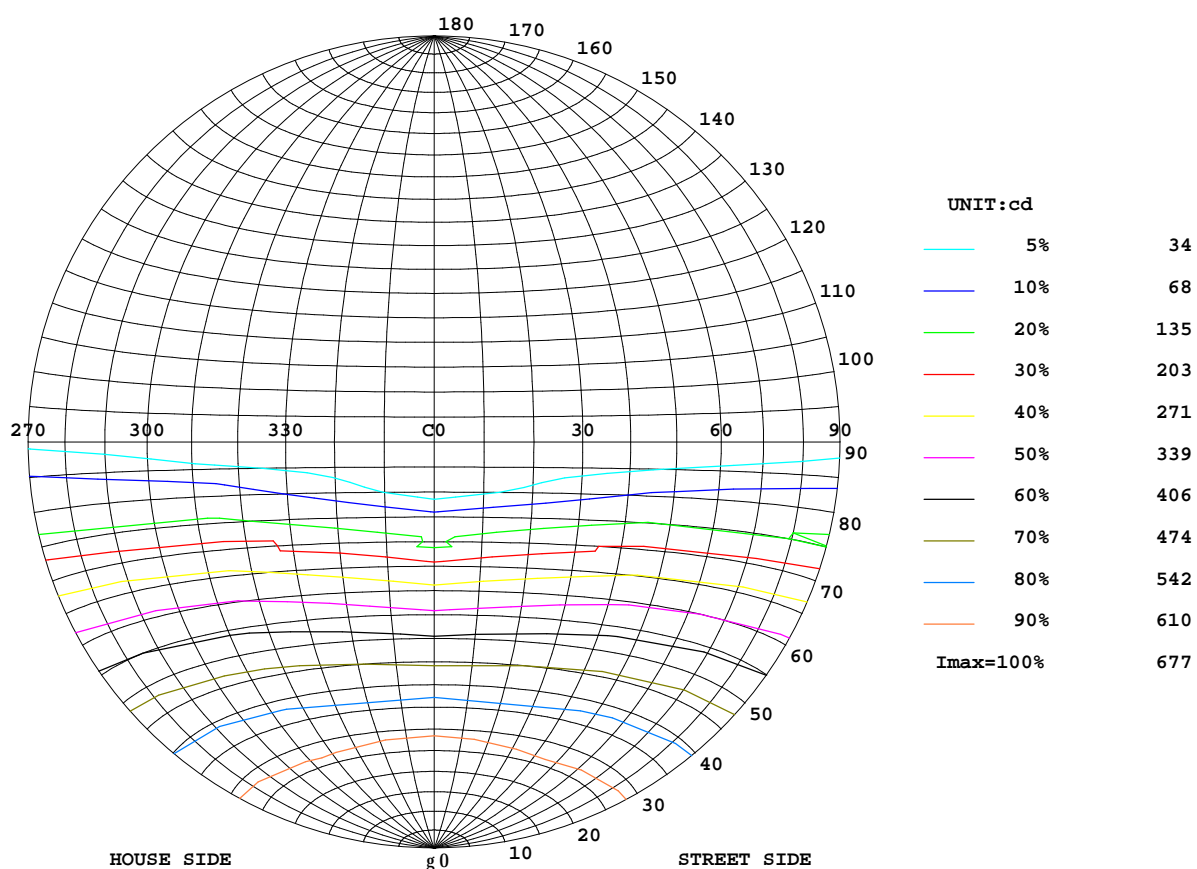
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年12月30日

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: RS-HE-2835-128-24-8-12.5-8-4000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 4000	DIMENSION: 1M*0.01M	SERIAL No.: 20211230001



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年12月30日

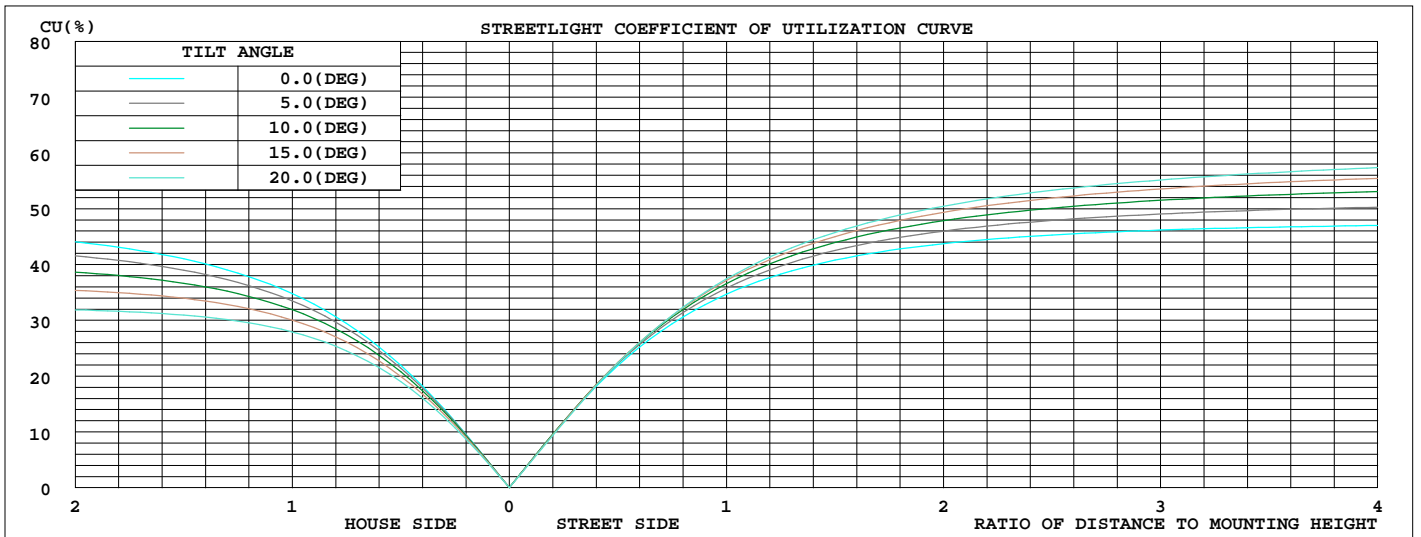
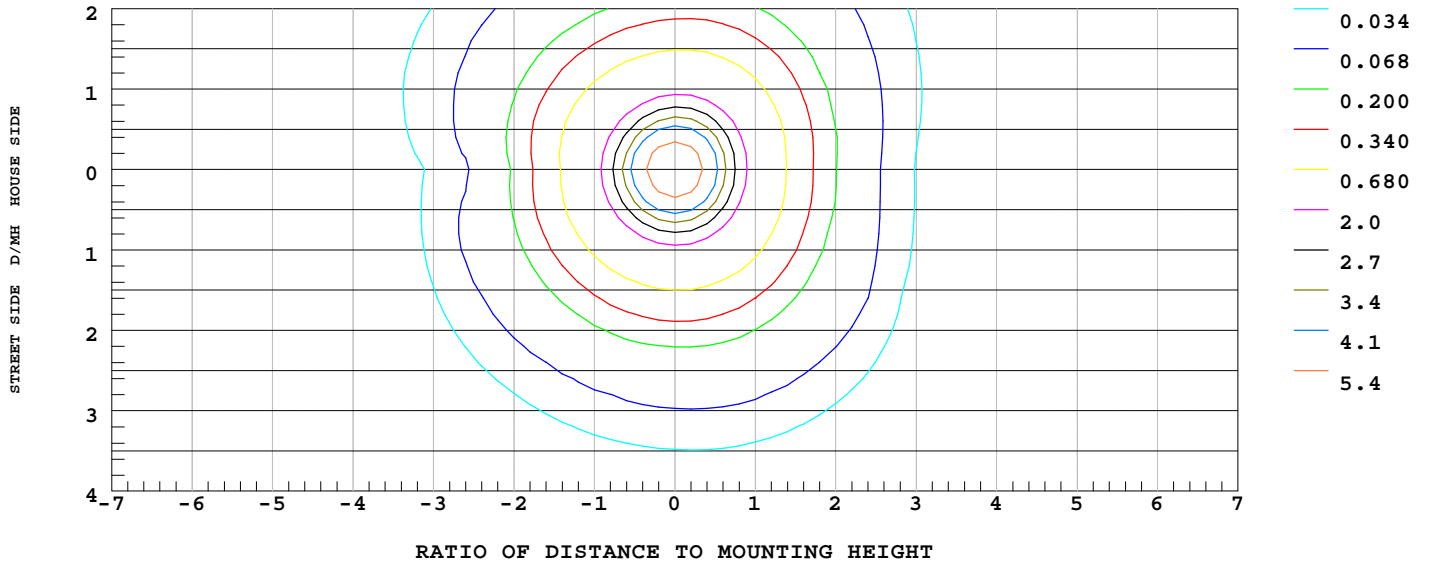
Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.800 m  
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: RS-HE-2835-128-24-8-12.5-8-4000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 4000	DIMENSION: 1M*0.01M	SERIAL No.: 20211230001

ILLUMINANCE AT MH=10 m, Enadir = 6.77 lx



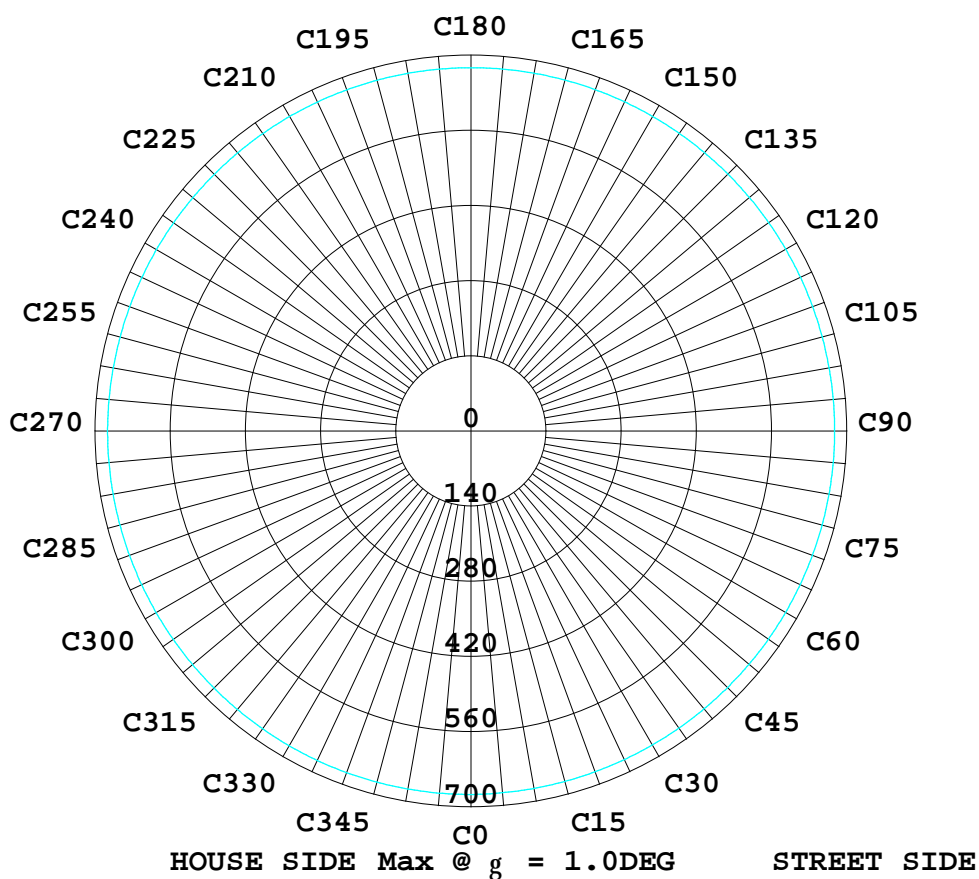
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年12月30日

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: RS-HE-2835-128-24-8-12.5-8-4000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 4000	DIMENSION: 1M*0.01M	SERIAL No.: 20211230001



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年12月30日

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: RS-HE-2835-128-24-8-12.5-8-4000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 4000	DIMENSION: 1M*0.01M	SERIAL No.: 20211230001

UNIT: cd

γ (DEG)	C (DEG)							
	0	45	90	135	180	225	270	315
0.0	677	676	677	677	677	676	677	677
5.0	676	673	676	675	674	675	674	675
10.0	670	666	670	668	667	669	667	669
15.0	660	654	660	656	655	660	655	659
20.0	646	637	644	641	638	645	638	644
25.0	627	616	625	620	617	626	618	620
30.0	598	590	600	594	581	603	592	582
35.0	560	560	571	564	537	574	562	542
40.0	514	524	537	529	491	540	528	511
45.0	465	482	498	488	444	504	487	475
50.0	411	438	453	444	389	460	444	442
55.0	351	387	405	393	326	412	395	397
60.0	285	331	351	337	259	361	340	346
65.0	216	273	291	280	186	303	284	289
70.0	130	224	228	227	122	242	229	231
75.0	79.5	137	135	145	62.1	180	145	171
80.0	16.8	74.4	103	84.4	15.7	118	91.1	115
85.0	12.3	32.8	54.0	37.9	5.49	69.5	40.0	60.4
90.0	9.75	9.06	21.9	11.2	5.73	28.4	14.3	26.6
95.0	9.29	5.18	11.1	5.65	6.04	12.2	6.35	12.2
100.0	9.21	5.57	9.91	5.88	6.50	10.8	6.04	10.7
105.0	9.21	6.04	9.75	6.27	6.96	10.6	6.50	10.8
110.0	9.29	6.42	9.75	6.58	7.35	10.6	6.89	10.7
115.0	9.37	6.89	9.75	6.81	7.82	10.5	7.35	10.7
120.0	9.60	7.35	9.91	7.20	8.28	10.6	7.74	10.7
125.0	9.83	7.82	10.0	7.58	8.67	10.6	8.20	10.8
130.0	10.0	8.28	10.2	8.05	9.13	10.8	8.67	10.9
135.0	10.3	8.75	10.6	8.51	9.52	11.0	9.06	11.1
140.0	10.6	9.13	10.8	8.90	9.91	11.3	9.44	11.3
145.0	10.9	9.52	11.0	9.29	10.2	11.5	9.83	11.5
150.0	11.1	9.91	11.3	9.68	10.6	11.6	10.1	11.6
155.0	11.3	10.2	11.5	9.98	10.9	11.8	10.4	11.8
160.0	11.6	10.4	11.6	10.2	11.3	12.0	10.6	11.9
165.0	11.8	10.6	11.8	10.5	11.5	12.0	10.9	12.0
170.0	12.0	10.9	12.0	10.6	11.6	12.1	11.0	12.0
175.0	12.0	11.0	12.0	10.8	11.8	12.1	11.1	12.0
180.0	12.0	11.3	12.0	11.1	12.2	12.0	11.3	11.8

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年12月30日

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