

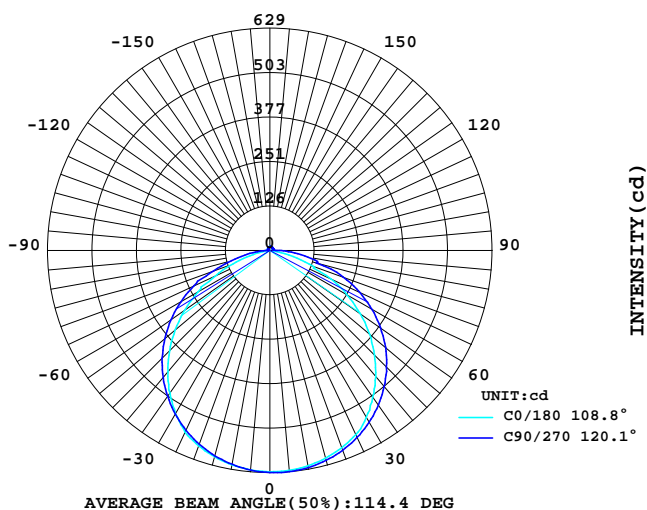
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

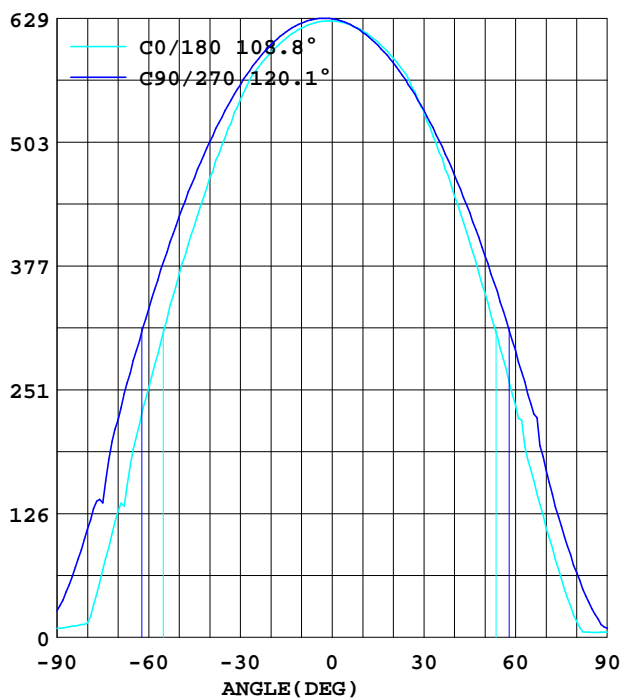
MANUFACTURER:			
Address:			
NAME: RS-HE-2835-128-24-8-12.5-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 3000	DIMENSION: 1M*0.01M	SERIAL No.: 20220102002

DATA OF LAMP		Imax(cd)	629.1	S/MH(C0/180)	1.29
MODEL	2835	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.33
NOMINAL POWER(W)	12	TOTAL FLUX(lm)	1922.9	Voltage(V)	24.04
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	152.6	Current(A)	0.524
NOMINAL FLUX(lm)	1923.0	h up(%)	2.9	Power(W)	12.60
LAMPS QUANTITY	1	h down(%)	97.1	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	1837.5	EEL	0.093

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022年01月02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-2835-128-24-8-12.5-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 3000	DIMENSION: 1M*0.01M	SERIAL No.: 20220102002

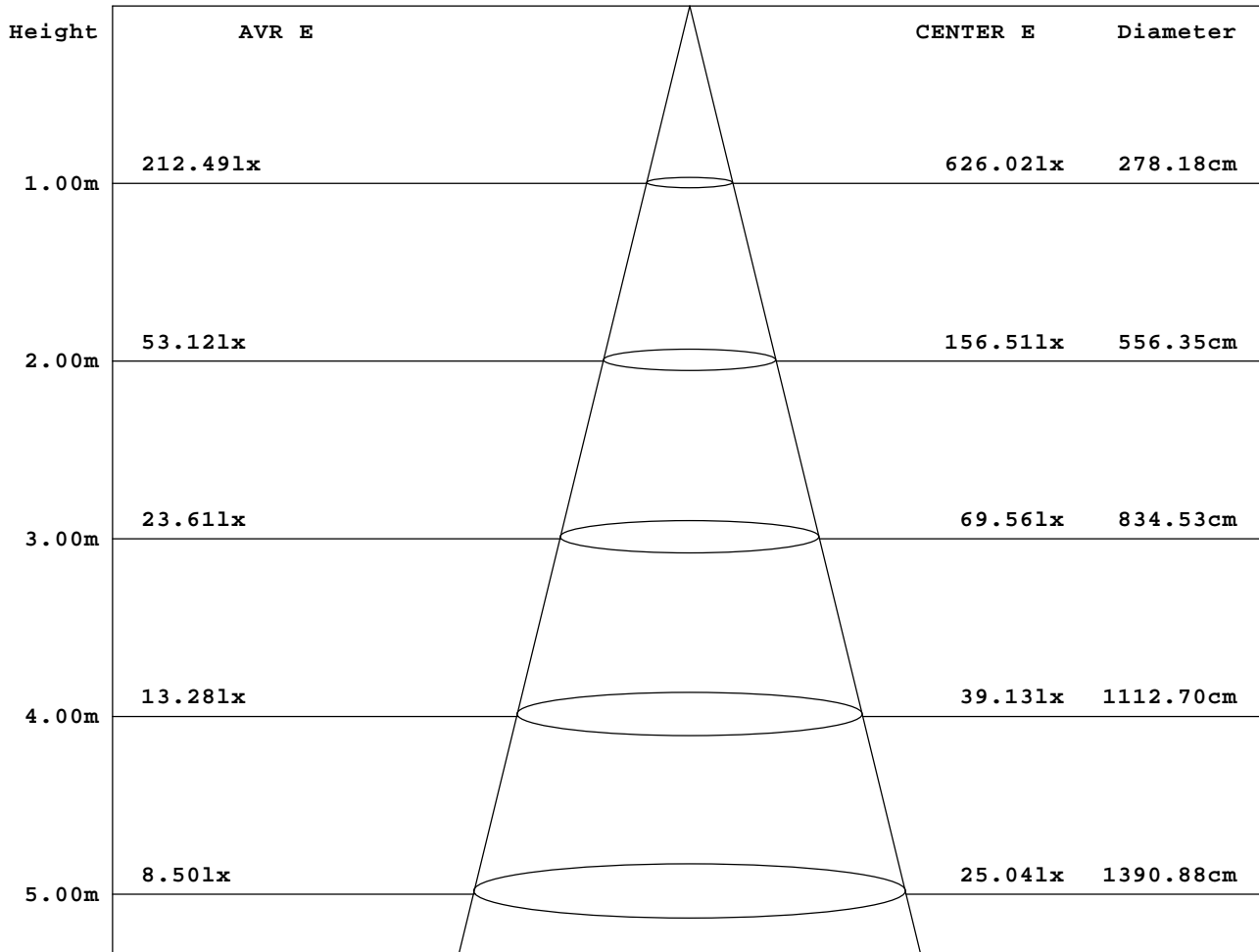
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022年01月02日

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: RS-HE-2835-128-24-8-12.5-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 3000	DIMENSION: 1M*0.01M	SERIAL No.: 20220102002



Angle:108.6deg

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022年01月02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-2835-128-24-8-12.5-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 3000	DIMENSION: 1M*0.01M	SERIAL No.: 20220102002

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	tBtal
5.0	624.5	625.2	628.3	627.5	623.1	624.9	623.7	626.1	0- 5	14.97	14.97
10.0	618.7	619.0	623.8	621.7	615.7	617.8	614.4	618.5	5- 10	44.51	59.49
15.0	608.3	608.6	614.7	611.6	604.4	606.5	601.3	606.8	10- 15	72.76	132.2
20.0	594.1	593.1	601.7	596.8	588.3	591.5	583.4	589.9	15- 20	98.91	231.1
25.0	575.3	573.0	583.8	577.2	567.4	571.7	561.1	556.6	20- 25	122.0	353.2
30.0	546.1	549.5	561.1	553.8	534.2	547.4	535.4	520.3	25- 30	141.0	494.2
35.0	507.3	520.7	534.9	525.2	492.2	519.5	504.5	492.9	30- 35	155.3	649.6
40.0	466.8	488.7	503.2	493.4	448.3	486.4	469.2	466.1	35- 40	165.2	814.8
45.0	418.7	451.0	466.9	455.9	400.9	448.9	431.3	426.6	40- 45	169.5	984.3
50.0	369.2	408.7	427.7	413.9	350.0	409.1	387.8	392.0	45- 50	168.1	1153
55.0	312.0	363.5	382.5	368.8	293.1	363.5	340.5	348.1	50- 55	161.2	1314
60.0	252.5	312.3	332.7	317.8	235.4	313.9	291.3	299.8	55- 60	148.1	1462
65.0	190.7	257.9	281.1	263.5	169.6	262.2	236.8	249.5	60- 65	129.8	1592
70.0	128.3	220.5	221.1	219.5	111.6	205.6	170.3	193.8	65- 70	106.1	1698
75.0	69.07	137.6	136.6	142.7	59.70	135.9	113.2	140.5	70- 75	77.07	1775
80.0	14.63	79.06	109.9	80.84	16.03	100.7	65.66	90.21	75- 80	50.32	1825
85.0	11.61	39.33	61.17	42.51	5.188	53.27	28.65	47.00	80- 85	28.21	1854
90.0	9.215	12.08	27.18	12.93	5.343	21.14	9.215	18.66	85- 90	13.08	1867
95.0	8.905	5.111	12.85	5.265	5.653	11.07	5.498	10.99	90- 95	5.658	1872
100.0	8.828	5.111	9.680	5.420	6.117	10.29	5.808	10.22	95-100	4.240	1877
105.0	8.750	5.575	9.447	5.808	6.504	10.22	6.195	10.29	100-105	4.150	1881
110.0	8.828	5.962	9.292	6.040	6.892	10.06	6.582	10.22	105-110	4.137	1885
115.0	8.983	6.350	9.292	6.272	7.279	10.06	6.969	10.22	110-115	4.089	1889
120.0	9.137	6.737	9.447	6.582	7.666	10.06	7.356	10.29	115-120	4.032	1893
125.0	9.292	7.201	9.525	7.047	8.053	10.14	7.744	10.37	120-125	3.949	1897
130.0	9.525	7.589	9.757	7.434	8.518	10.29	8.131	10.45	125-130	3.829	1901
135.0	9.757	8.053	9.912	7.821	8.828	10.45	8.518	10.60	130-135	3.679	1904
140.0	9.989	8.440	10.14	8.286	9.215	10.68	8.905	10.76	135-140	3.484	1908
145.0	10.29	8.750	10.37	8.595	9.602	10.91	9.215	10.91	140-145	3.237	1911
150.0	10.45	9.137	10.60	8.983	9.912	11.07	9.525	11.07	145-150	2.934	1914
155.0	10.68	9.447	10.76	9.292	10.22	11.15	9.757	11.15	150-155	2.582	1917
160.0	10.91	9.680	10.99	9.525	10.53	11.30	9.989	11.22	155-160	2.185	1919
165.0	11.07	9.912	11.15	9.834	10.68	11.38	10.22	11.30	160-165	1.748	1921
170.0	11.22	10.14	11.22	10.06	10.91	11.38	10.29	11.30	165-170	1.276	1922
175.0	11.30	10.29	11.38	10.22	10.99	11.38	10.37	11.30	170-175	0.777	1923
180.0	11.30	10.53	11.30	10.45	11.46	11.22	10.53	11.15	175-180	0.262	1923
DEG	LUMINOUS INTENSITY:cd										UNIT:lm

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022年01月02日

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

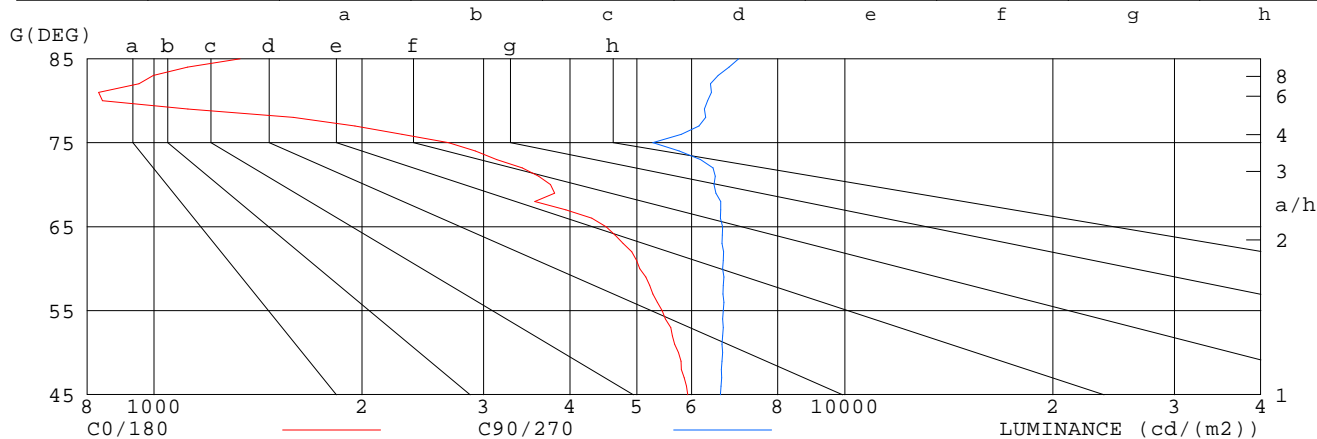
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME: RS-HE-2835-128-24-8-12.5-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 3000	DIMENSION: 1M*0.01M	SERIAL No.: 20220102002

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	1333	7019
80	843	6333
75	2669	5278
70	3752	6467
65	4513	6653
60	5051	6655
55	5441	6670
50	5744	6654
45	5923	6604

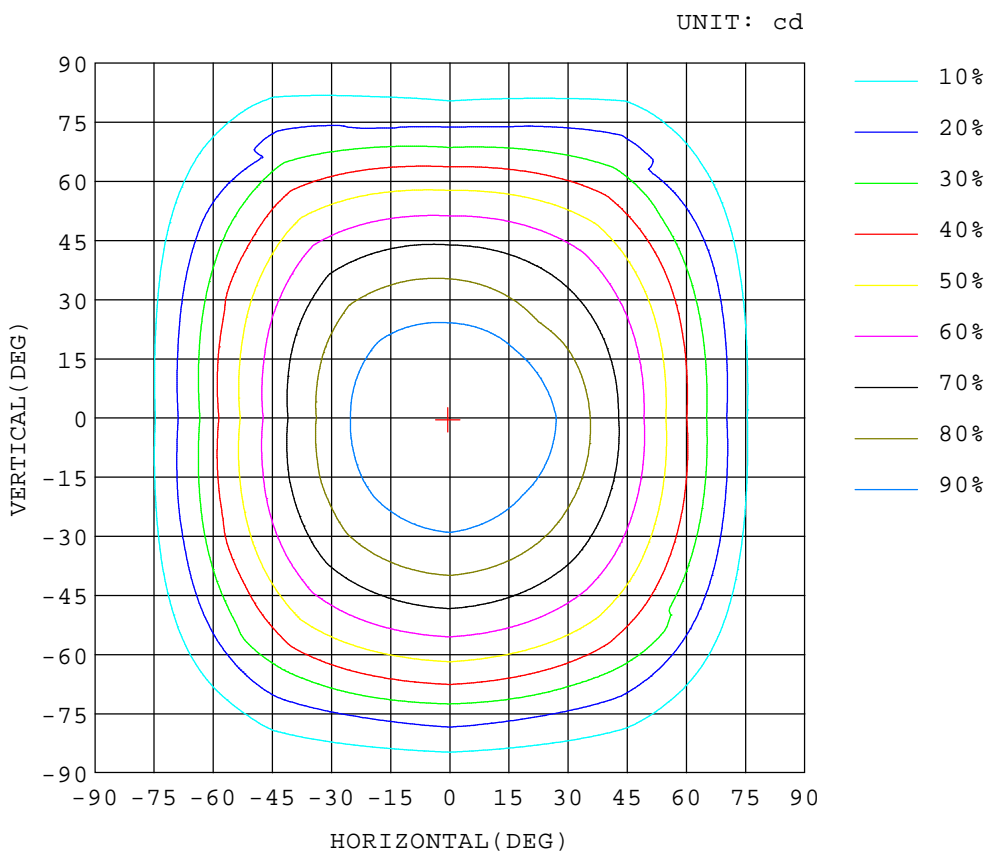
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022年01月02日

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-2835-128-24-8-12.5-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 3000	DIMENSION: 1M*0.01M	SERIAL No.: 20220102002



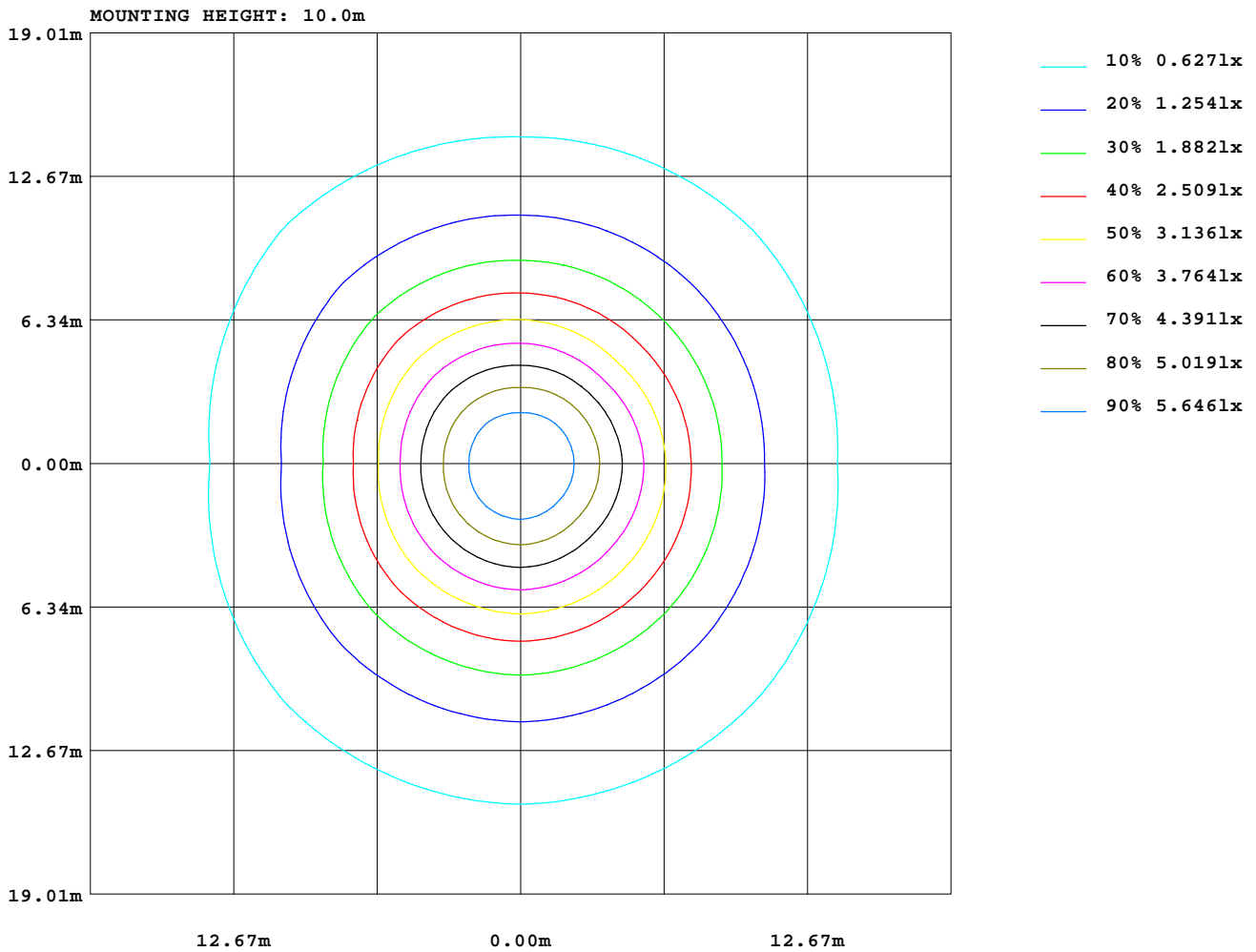
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022年01月02日

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-2835-128-24-8-12.5-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 3000	DIMENSION: 1M*0.01M	SERIAL No.: 20220102002



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022年01月02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-2835-128-24-8-12.5-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 3000	DIMENSION: 1M*0.01M	SERIAL No.: 20220102002

VERTICAL(DEG)	AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a												
	0.02	0.10	0.27	0.54	0.90	1.07	1.13	1.12	1.03	1.01	1.06	1.04	0.96	0.80	0.50	0.26	0.12	0.03	11.9	1.91													
90	0.02	0.15	0.49	1.19	2.19	2.80	3.24	3.52	3.55	3.51	3.42	3.09	2.66	2.01	1.09	0.48	0.16	0.03	33.6	31.3													
80	0.03	0.20	0.82	1.96	3.54	5.03	6.12	6.87	7.17	7.12	6.73	5.91	4.73	3.34	1.89	0.76	0.22	0.04	62.5	61.3													
70	0.03	0.27	1.17	2.88	5.12	7.24	8.79	9.87	10.3	10.2	9.69	8.53	6.94	4.92	2.79	1.17	0.27	0.04	90.4	89.6													
60	0.03	0.36	1.56	3.71	6.39	9.06	11.0	12.4	13.0	12.9	12.1	10.6	8.72	6.23	3.68	1.60	0.36	0.04	114	114													
50	0.03	0.44	1.91	4.39	7.40	10.4	12.9	14.5	15.2	15.1	14.1	12.4	10.0	7.31	4.44	1.95	0.46	0.04	133	133													
40	0.03	0.50	2.15	4.89	8.13	11.4	14.2	16.1	16.9	16.8	15.6	13.6	11.1	8.13	4.99	2.25	0.53	0.04	148	147													
30	0.02	0.54	2.29	5.16	8.57	12.0	15.0	17.2	18.1	18.1	17.0	14.7	12.0	8.70	5.34	2.42	0.59	0.04	158	158													
20	0.02	0.53	2.30	5.21	8.70	12.3	15.5	17.6	18.7	18.8	17.7	15.6	12.5	8.99	5.48	2.48	0.60	0.03	163	163													
10	0.02	0.53	2.30	5.21	8.71	12.3	15.5	17.7	18.8	18.8	17.7	15.7	12.6	9.04	5.50	2.49	0.60	0.03	164	164													
0	0.02	0.53	2.29	5.18	8.61	12.1	15.2	17.3	18.4	18.4	17.2	15.2	12.2	8.85	5.40	2.45	0.59	0.04	160	160													
-10	0.02	0.50	2.16	4.91	8.19	11.5	14.4	16.4	17.5	17.5	16.3	14.3	11.5	8.33	5.07	2.28	0.54	0.04	152	151													
-20	0.02	0.43	1.92	4.42	7.46	10.5	13.1	15.0	16.0	16.0	14.9	13.0	10.5	7.52	4.54	2.01	0.45	0.04	138	138													
-30	0.02	0.33	1.58	3.74	6.45	9.21	11.4	13.0	14.0	14.0	13.0	11.3	9.10	6.44	3.79	1.65	0.34	0.04	120	119													
-40	0.02	0.23	1.14	2.90	5.18	7.42	9.26	10.6	11.4	11.4	10.5	9.16	7.30	5.13	2.93	1.16	0.25	0.04	96.3	95.5													
-50	0.02	0.17	0.70	1.88	3.60	5.27	6.67	7.75	8.37	8.35	7.70	6.61	5.19	3.53	1.86	0.70	0.19	0.03	68.6	67.3													
-60	0.02	0.12	0.41	0.99	1.88	2.79	3.62	4.28	4.70	4.69	4.24	3.56	2.73	1.83	0.97	0.42	0.14	0.03	37.4	34.7													
-70	0.02	0.08	0.20	0.41	0.71	1.02	1.34	1.63	1.86	1.85	1.61	1.30	0.98	0.65	0.39	0.21	0.10	0.03	14.4	5.70													
-80	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)																	20	30	40	50	60	70	80	90
Φ t	0.43	6.02	25.7	59.6	102	144	179	203	216	215	201	176	142	102	60.7	26.7	6.50	0.64	1923														
Φ a	0.00	3.06	23.4	57.6	100	142	177	202	214	214	200	175	141	100	58.6	24.3	3.55	0.00		1838													

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022年01月02日

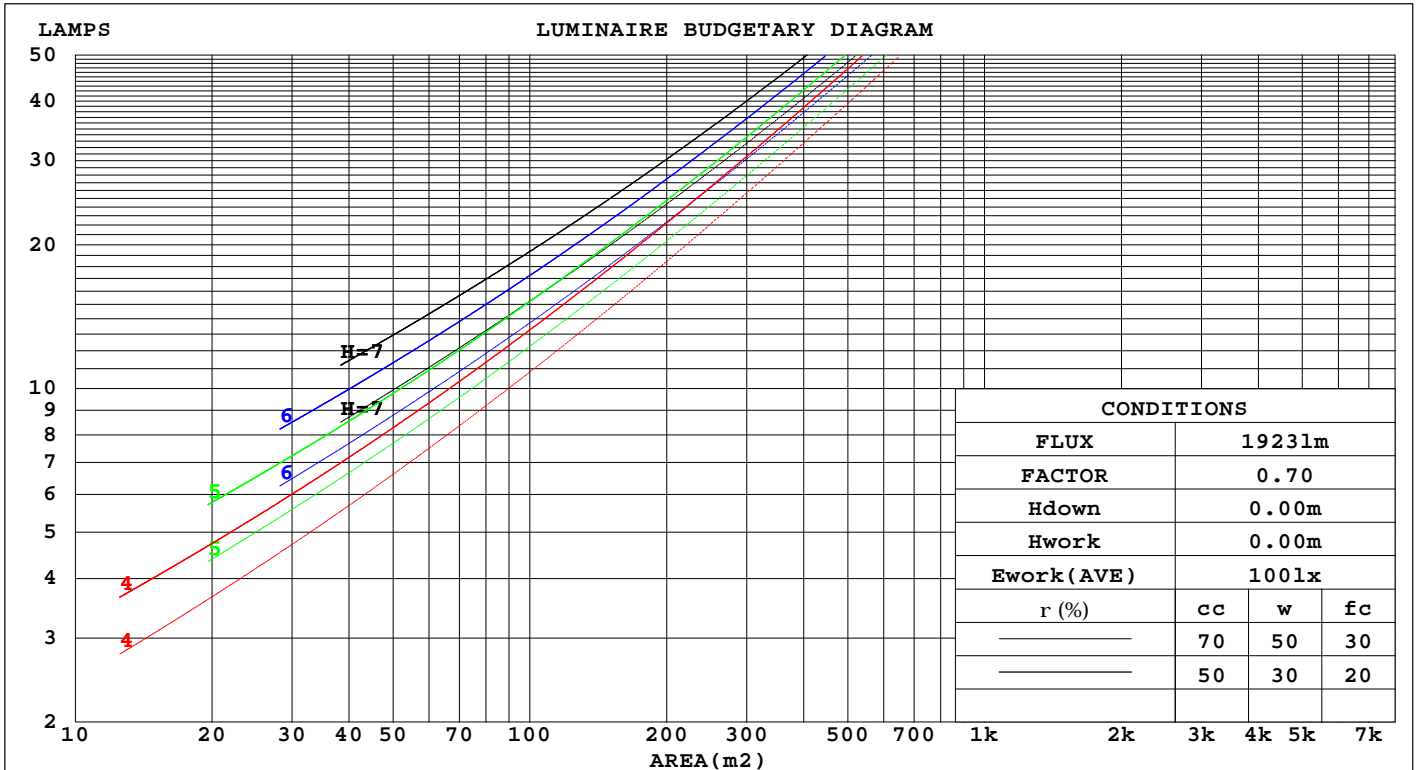
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.800 m
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: RS-HE-2835-128-24-8-12.5-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 3000	DIMENSION: 1M*0.01M	SERIAL No.: 20220102002

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	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.03	.99	.95	1.00	.97	.93	.96	.92	.89	.91	.89	.86	.87	.85	.83	.81
2.0	.90	.83	.77	.87	.81	.76	.83	.78	.74	.80	.75	.71	.76	.73	.69	.67
3.0	.79	.70	.64	.77	.69	.63	.73	.67	.61	.70	.65	.60	.67	.63	.59	.56
4.0	.69	.61	.54	.68	.60	.53	.65	.58	.52	.62	.56	.51	.60	.55	.50	.48
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.49	.44	.54	.48	.43	.41
6.0	.56	.47	.40	.55	.46	.40	.52	.45	.39	.50	.44	.39	.49	.43	.38	.36
7.0	.50	.42	.35	.49	.41	.35	.48	.40	.35	.46	.39	.34	.44	.38	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.42	.35	.31	.41	.35	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.37	.32	.27	.25
10.0	.39	.31	.26	.38	.31	.25	.37	.30	.25	.36	.29	.25	.35	.29	.25	.23



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022年01月02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: RS-HE-2835-128-24-8-12.5-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 3000	DIMENSION: 1M*0.01M	SERIAL No.: 20220102002

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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.312	.178	.056	.304	.174	.055	.289	.166	.053	.276	.159	.051	.263	.152	.049	
2.0	.293	.161	.049	.286	.157	.048	.273	.152	.047	.260	.146	.046	.249	.141	.044	
3.0	.271	.144	.043	.264	.142	.043	.253	.137	.042	.242	.132	.041	.232	.128	.040	
4.0	.250	.130	.038	.244	.128	.038	.234	.124	.037	.224	.120	.036	.215	.117	.036	
5.0	.231	.118	.034	.226	.116	.034	.216	.113	.033	.208	.110	.033	.199	.107	.032	
6.0	.214	.107	.031	.210	.106	.030	.201	.103	.030	.193	.100	.030	.186	.098	.029	
7.0	.199	.098	.028	.195	.097	.028	.187	.095	.027	.180	.092	.027	.174	.090	.027	
8.0	.186	.091	.026	.182	.090	.025	.175	.088	.025	.169	.086	.025	.163	.084	.024	
9.0	.174	.084	.024	.171	.083	.023	.165	.081	.023	.159	.080	.023	.153	.078	.023	
10.0	.164	.078	.022	.161	.078	.022	.155	.076	.021	.150	.074	.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
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.213	.213	.213	.182	.182	.182	.124	.124	.124	.071	.071	.071	.023	.023	.023	
1.0	.203	.179	.157	.174	.153	.135	.119	.105	.093	.068	.061	.054	.022	.020	.018	
2.0	.195	.155	.120	.167	.133	.104	.114	.092	.073	.066	.054	.043	.021	.017	.014	
3.0	.187	.137	.097	.161	.118	.084	.110	.082	.059	.064	.048	.035	.020	.016	.011	
4.0	.180	.124	.081	.154	.107	.070	.106	.075	.050	.061	.044	.029	.020	.014	.010	
5.0	.172	.114	.070	.148	.098	.061	.102	.069	.043	.059	.040	.026	.019	.013	.008	
6.0	.165	.105	.062	.142	.091	.054	.098	.064	.038	.057	.038	.023	.018	.012	.008	
7.0	.159	.098	.056	.136	.085	.049	.094	.060	.035	.055	.035	.021	.018	.012	.007	
8.0	.152	.093	.052	.131	.080	.045	.091	.056	.032	.053	.033	.019	.017	.011	.006	
9.0	.146	.088	.048	.126	.076	.042	.087	.054	.030	.051	.032	.018	.016	.010	.006	
10.0	.140	.083	.046	.121	.072	.040	.084	.051	.028	.049	.030	.017	.016	.010	.006	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022年01月02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-2835-128-24-8-12.5-8-3000K-20-5M					TYPE: LED Strip			WEIGHT:		
SPECIFICATION: 2835/128D			CCT(K): 3000		DIMENSION: 1M*0.01M			SERIAL No.: 20220102002		
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	18.7	20.2	19.0	20.5	20.7	19.6	21.1	19.9	21.3	21.6
3H	19.8	21.2	20.2	21.5	21.8	21.4	22.7	21.7	23.0	23.3
4H	20.1	21.4	20.5	21.7	22.0	22.0	23.3	22.3	23.6	23.9
6H	20.1	21.4	20.5	21.7	22.0	22.6	23.8	23.0	24.1	24.5
8H	20.1	21.3	20.5	21.6	22.0	22.8	24.0	23.2	24.3	24.7
12H	20.1	21.2	20.5	21.6	21.9	23.0	24.2	23.4	24.5	24.9
4H 2H	19.5	20.8	19.9	21.1	21.5	20.2	21.5	20.6	21.8	22.1
3H	20.9	22.0	21.3	22.3	22.7	22.1	23.3	22.5	23.6	24.0
4H	21.3	22.3	21.7	22.7	23.1	22.9	23.9	23.3	24.3	24.7
6H	21.4	22.3	21.8	22.7	23.1	23.6	24.5	24.0	24.9	25.3
8H	21.4	22.2	21.8	22.6	23.1	23.9	24.8	24.4	25.2	25.6
12H	21.4	22.2	21.8	22.6	23.1	24.2	25.0	24.7	25.4	25.9
8H 4H	21.7	22.5	22.1	22.9	23.4	23.1	23.9	23.5	24.3	24.8
6H	21.9	22.6	22.4	23.1	23.6	23.9	24.7	24.4	25.1	25.6
8H	22.0	22.6	22.5	23.1	23.6	24.4	25.0	24.9	25.5	26.0
12H	22.0	22.6	22.5	23.1	23.6	24.7	25.3	25.3	25.8	26.3
12H 4H	21.7	22.5	22.2	22.9	23.4	23.0	23.8	23.5	24.3	24.7
6H	22.0	22.6	22.5	23.1	23.6	24.0	24.6	24.5	25.1	25.6
8H	22.1	22.7	22.7	23.2	23.7	24.4	25.0	24.9	25.5	26.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.4 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.2 / - 0.5					+ 0.2 / - 0.2				

CIE Pub.117 Corrected 1923 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.3)

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022年01月02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:

MANUFACTURER:			
Address:			
NAME: RS-HE-2835-128-24-8-12.5-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 3000	DIMENSION: 1M*0.01M	SERIAL No.: 20220102002

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	56	44	37	55	44	37	54	43	37	30
0.80	66	54	47	65	54	47	63	53	46	39
1.00	75	63	56	73	63	56	71	64	55	47
1.25	82	71	64	80	70	63	77	69	62	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	78	92	84	77	88	81	76	67
2.50	98	90	84	95	88	82	91	85	80	71
3.00	101	94	88	99	92	87	94	89	85	75
4.00	105	99	95	103	97	93	98	94	90	80
5.00	108	103	98	105	100	97	100	96	93	83
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

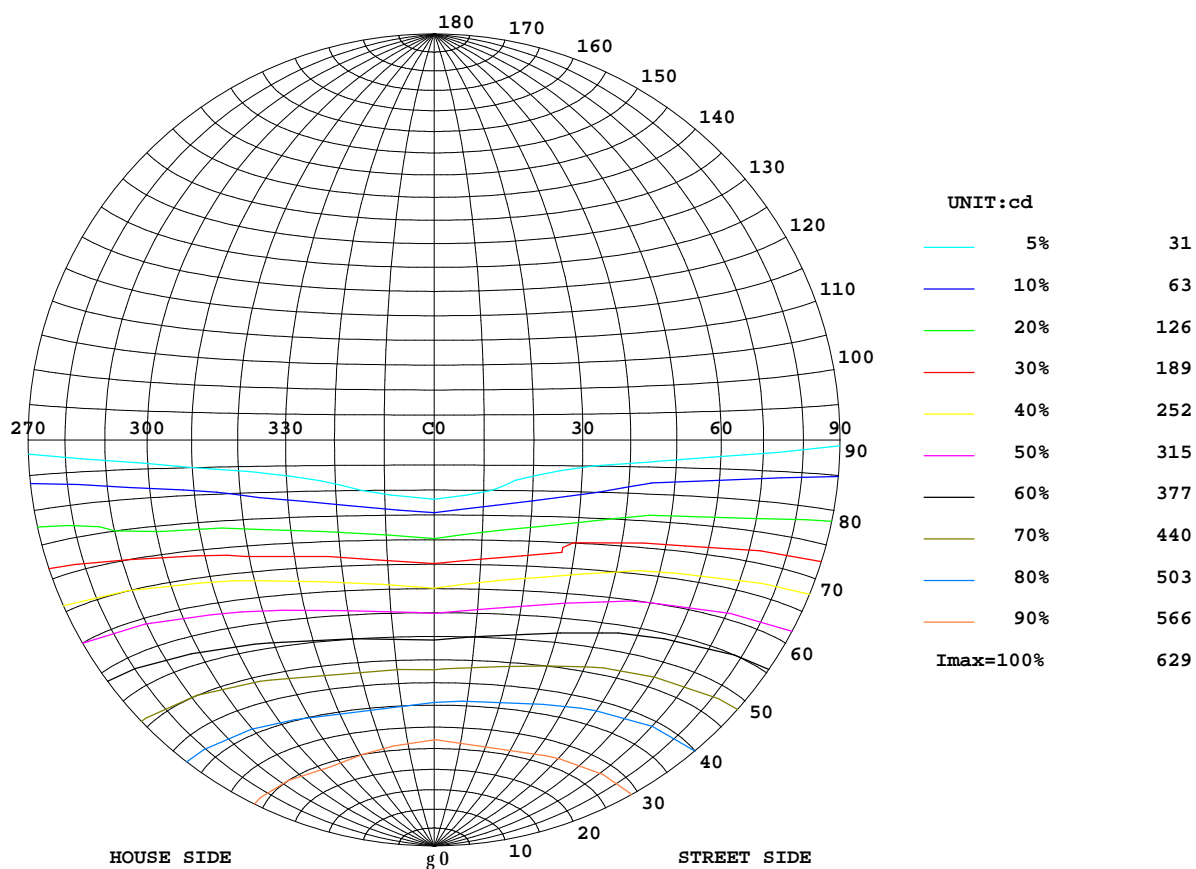
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022年01月02日

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-2835-128-24-8-12.5-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 3000	DIMENSION: 1M*0.01M	SERIAL No.: 20220102002



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022年01月02日

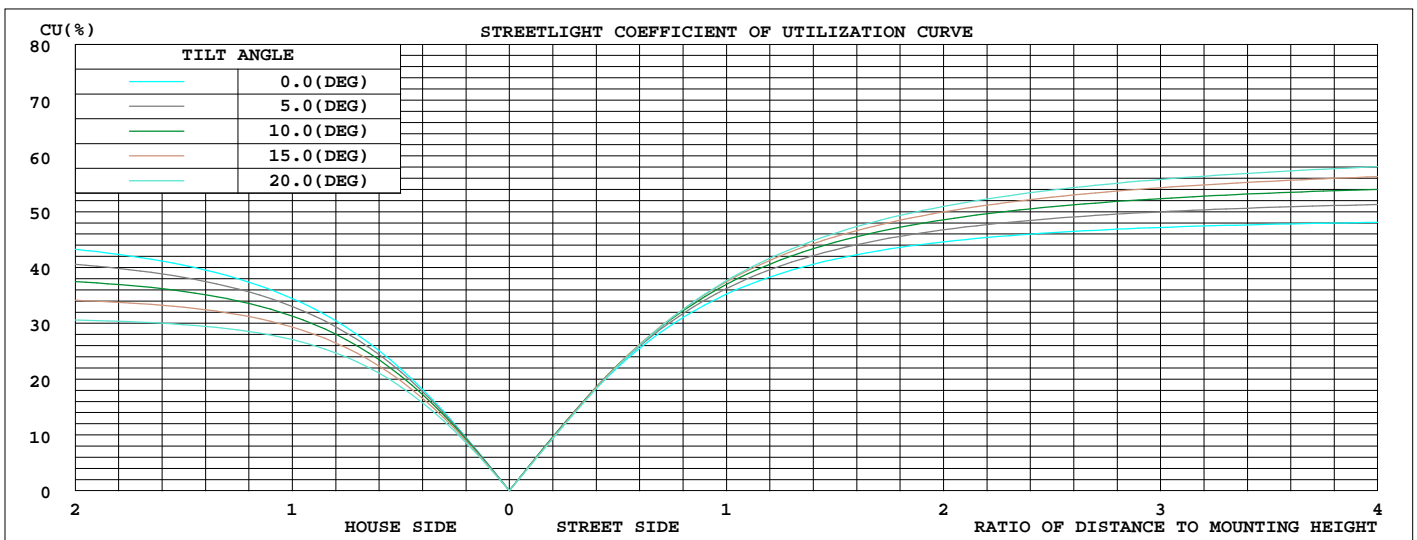
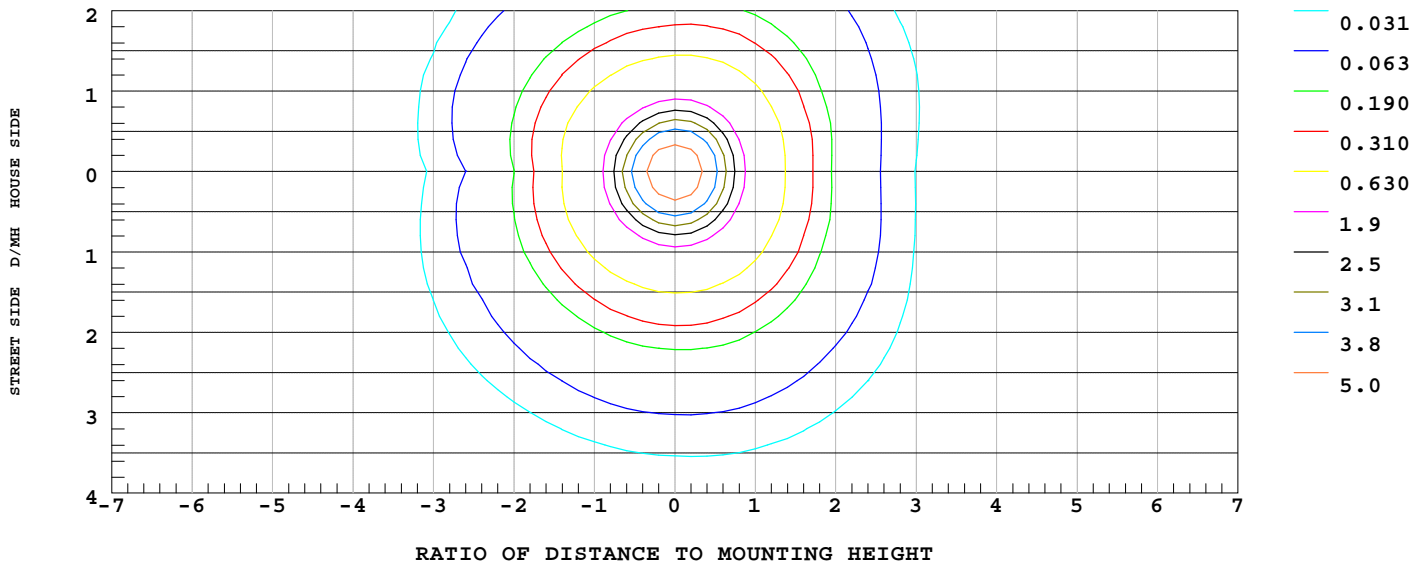
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.800 m
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: RS-HE-2835-128-24-8-12.5-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 3000	DIMENSION: 1M*0.01M	SERIAL No.: 20220102002

ILLUMINANCE AT MH=10 m, Enadir = 6.26 lx



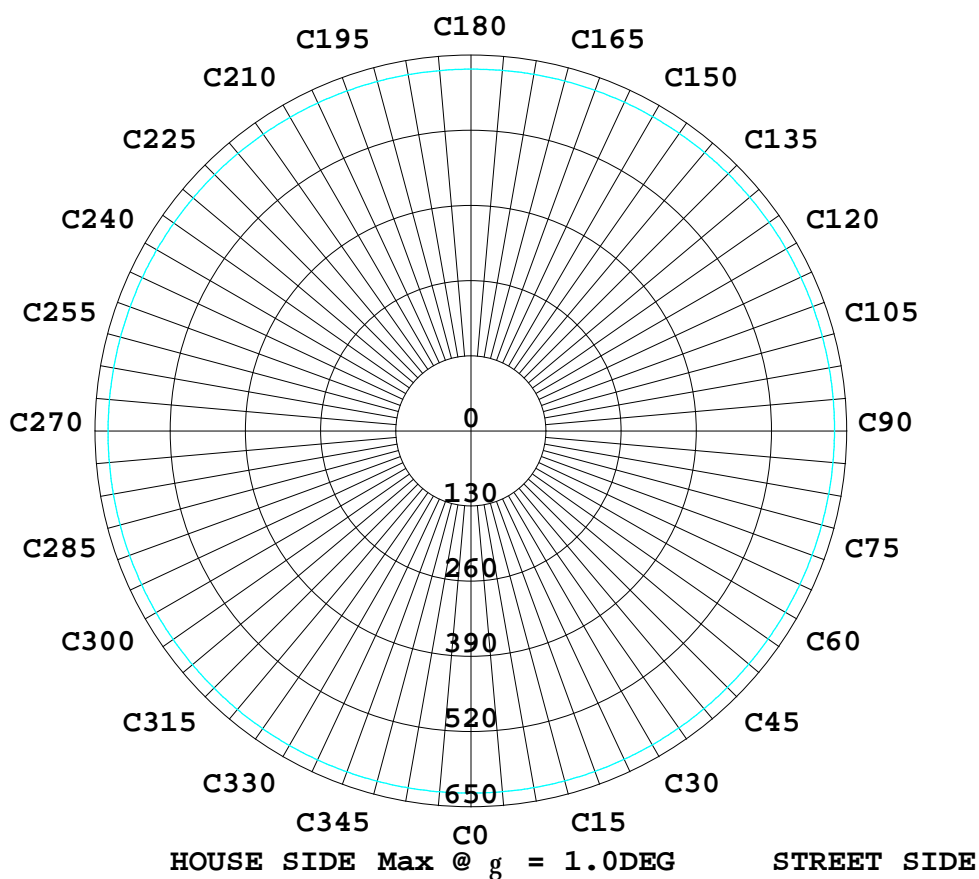
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022年01月02日

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-2835-128-24-8-12.5-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 3000	DIMENSION: 1M*0.01M	SERIAL No.: 20220102002



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022年01月02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-2835-128-24-8-12.5-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/128D	CCT(K): 3000	DIMENSION: 1M*0.01M	SERIAL No.: 20220102002

UNIT: cd

γ (DEG)	C (DEG)							
	0	45	90	135	180	225	270	315
0.0	626	627	628	629	626	627	628	629
5.0	625	625	628	628	623	625	624	626
10.0	619	619	624	622	616	618	614	619
15.0	608	609	615	612	604	607	601	607
20.0	594	593	602	597	588	592	583	590
25.0	575	573	584	577	567	572	561	557
30.0	546	550	561	554	534	547	535	520
35.0	507	521	535	525	492	520	505	493
40.0	467	489	503	493	448	486	469	466
45.0	419	451	467	456	401	449	431	427
50.0	369	409	428	414	350	409	388	392
55.0	312	364	383	369	293	364	341	348
60.0	253	312	333	318	235	314	291	300
65.0	191	258	281	264	170	262	237	250
70.0	128	221	221	220	112	206	170	194
75.0	69.0	138	137	143	59.7	136	113	141
80.0	14.6	79.0	110	80.8	16.0	101	65.6	90.2
85.0	11.6	39.3	61.1	42.5	5.18	53.2	28.6	47.0
90.0	9.21	12.0	27.1	12.9	5.34	21.1	9.21	18.6
95.0	8.90	5.11	12.8	5.26	5.65	11.0	5.49	10.9
100.0	8.82	5.11	9.68	5.42	6.11	10.2	5.80	10.2
105.0	8.75	5.57	9.44	5.80	6.50	10.2	6.19	10.2
110.0	8.82	5.96	9.29	6.04	6.89	10.0	6.58	10.2
115.0	8.98	6.35	9.29	6.27	7.27	10.0	6.96	10.2
120.0	9.13	6.73	9.44	6.58	7.66	10.0	7.35	10.2
125.0	9.29	7.20	9.52	7.04	8.05	10.1	7.74	10.3
130.0	9.52	7.58	9.75	7.43	8.51	10.2	8.13	10.4
135.0	9.75	8.05	9.91	7.82	8.82	10.4	8.51	10.6
140.0	9.98	8.44	10.1	8.28	9.21	10.6	8.90	10.7
145.0	10.2	8.75	10.3	8.59	9.60	10.9	9.21	10.9
150.0	10.4	9.13	10.6	8.98	9.91	11.0	9.52	11.0
155.0	10.6	9.44	10.7	9.29	10.2	11.1	9.75	11.1
160.0	10.9	9.68	10.9	9.52	10.5	11.3	9.98	11.2
165.0	11.0	9.91	11.1	9.83	10.6	11.3	10.2	11.3
170.0	11.2	10.1	11.2	10.0	10.9	11.3	10.2	11.3
175.0	11.3	10.2	11.3	10.2	10.9	11.3	10.3	11.3
180.0	11.3	10.5	11.3	10.4	11.4	11.2	10.5	11.1

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022年01月02日

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