

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

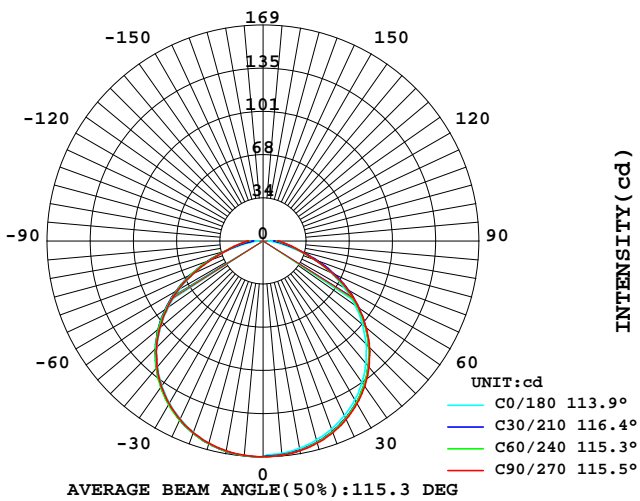
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 2020111101

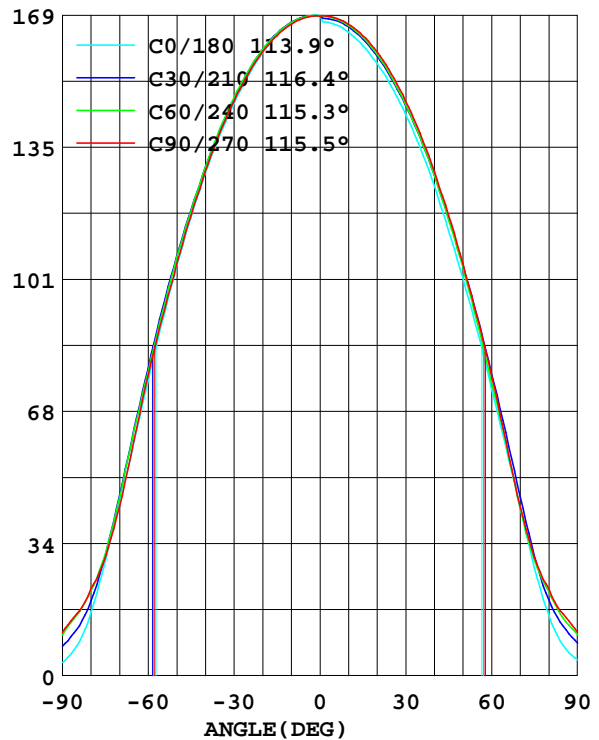
MANUFACTURER: lightstec	Address: Zhongshan China	
NAME: 2835-120-24	TYPE: LED strip light	WEIGHT: 20
SPECIFICATION: YG8, 3000K, RA90, IP65	DIMENSION: 1M	SERIAL No.: 2020111101

DATA OF LAMP		I <sub>max</sub> (cd)	168.7	S/MH(C0/180)	1.29
MODEL	2835	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.29
NOMINAL POWER(W)	6	TOTAL FLUX(lm)	491.49	Voltage(V)	24.00
RATED VOLTAGE(V)	25	EFFICIENCY(lm/W)	85.3	Current(A)	0.240
NOMINAL FLUX(lm)	491.5	h up(%)	0.0	Power(W)	5.760
LAMPS QUANTITY	1	h down(%)	100.0	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	480.7	EEL	0.134

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2020/11/11/

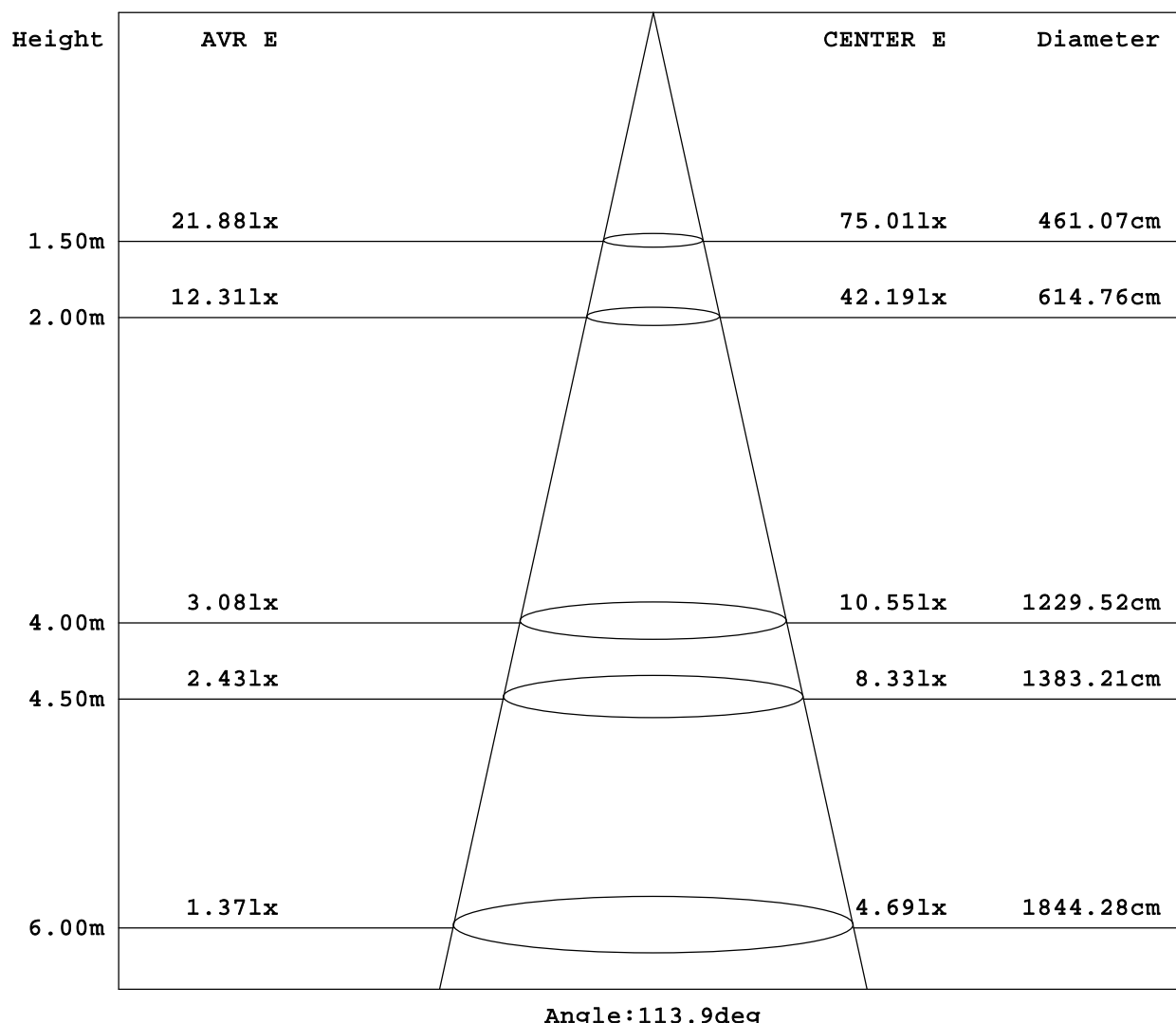
Test Set: 8.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 8.000 m  
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number: 2020111101

MANUFACTURER: lightstec	Address:Zhongshan China	
NAME: 2835-120-24	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:YG8,3000K,RA90,IP65	DIMENSION: 1M	SERIAL No.:2020111101



Test System:HOPPO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020/11/11/

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number: 2020111101

MANUFACTURER: lightstec	Address:Zhongshan China	
NAME: 2835-120-24	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:YG8,3000K,RA90,IP65	DIMENSION: 1M	SERIAL No.:2020111101

g	C0	C45	C90	C135	C180	C225	C270	C315	g	zone	total
5.0	168.3	167.7	168.1	167.1	166.4	167.1	168.1	167.7	0- 5	4.015	4.015
10.0	166.7	166.1	166.4	165.3	164.4	165.3	166.4	166.1	5- 10	11.93	15.94
15.0	163.5	163.1	163.4	162.0	160.9	162.0	163.4	163.1	10- 15	19.49	35.44
20.0	159.2	158.7	159.4	157.3	156.4	157.3	159.4	158.7	15- 20	26.47	61.91
25.0	153.3	153.2	153.7	151.4	150.5	151.4	153.7	153.2	20- 25	32.61	94.53
30.0	146.1	145.9	146.7	144.1	143.3	144.1	146.7	145.9	25- 30	37.72	132.2
35.0	138.0	137.4	138.6	135.5	135.1	135.5	138.6	137.4	30- 35	41.61	173.8
40.0	128.3	127.8	128.8	125.8	125.1	125.8	128.8	127.8	35- 40	44.11	218.0
45.0	117.1	116.6	117.6	114.3	113.5	114.3	117.6	116.6	40- 45	45.10	263.1
50.0	104.8	104.7	105.2	102.3	101.5	102.3	105.2	104.7	45- 50	44.45	307.5
55.0	90.55	90.94	91.51	88.51	88.06	88.51	91.51	90.94	50- 55	42.11	349.6
60.0	75.32	75.51	76.73	73.02	73.27	73.02	76.73	75.51	55- 60	38.19	387.8
65.0	59.64	59.64	60.09	57.98	58.55	57.98	60.09	59.64	60- 65	32.69	420.5
70.0	43.90	43.45	43.13	42.23	42.75	42.23	43.13	43.45	65- 70	25.83	446.4
75.0	29.18	28.41	30.20	27.71	27.45	27.71	30.20	28.41	70- 75	18.69	465.0
80.0	16.19	18.56	22.27	19.00	15.55	19.00	22.27	18.56	75- 80	12.59	477.6
85.0	7.488	12.60	15.74	12.73	7.744	12.73	15.74	12.60	80- 85	8.267	485.9
90.0	3.328	8.639	11.07	8.896	4.032	8.896	11.07	8.639	85- 90	5.535	491.4
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPPO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020/11/11/

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

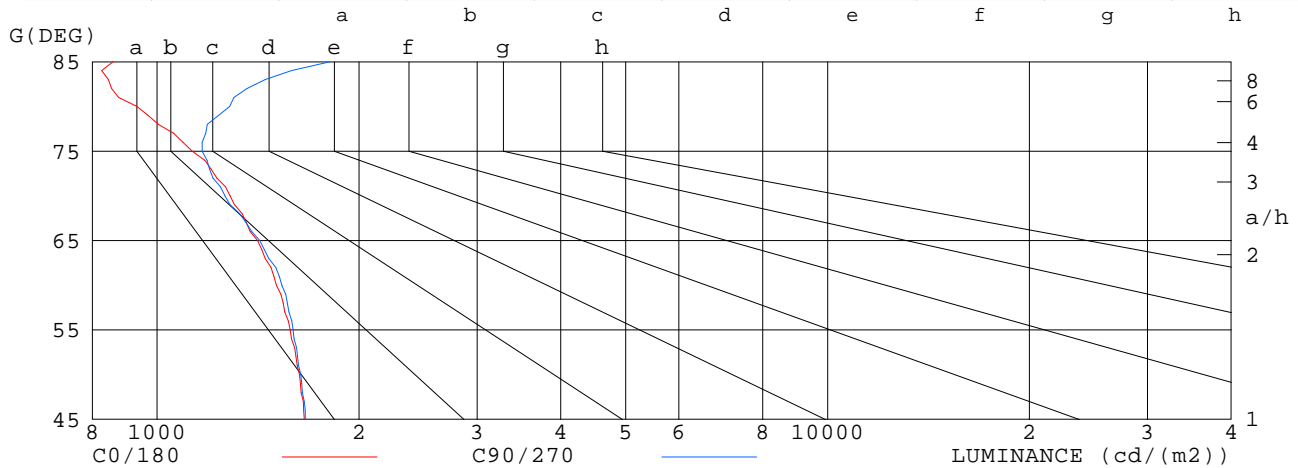
LUMINANCE LIMITATION CURVES

Report number: 2020111101

MANUFACTURER: lightstec	Address:Zhongshan China	
NAME: 2835-120-24	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:YG8,3000K,RA90,IP65	DIMENSION: 1M	SERIAL No.:2020111101

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		2000	1000	500	<=300				
1.15	A								
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	859	1806
80	932	1283
75	1128	1167
70	1284	1261
65	1411	1422
60	1507	1535
55	1579	1596
50	1631	1638
45	1657	1664

Test System:HOP00 HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020/11/11/

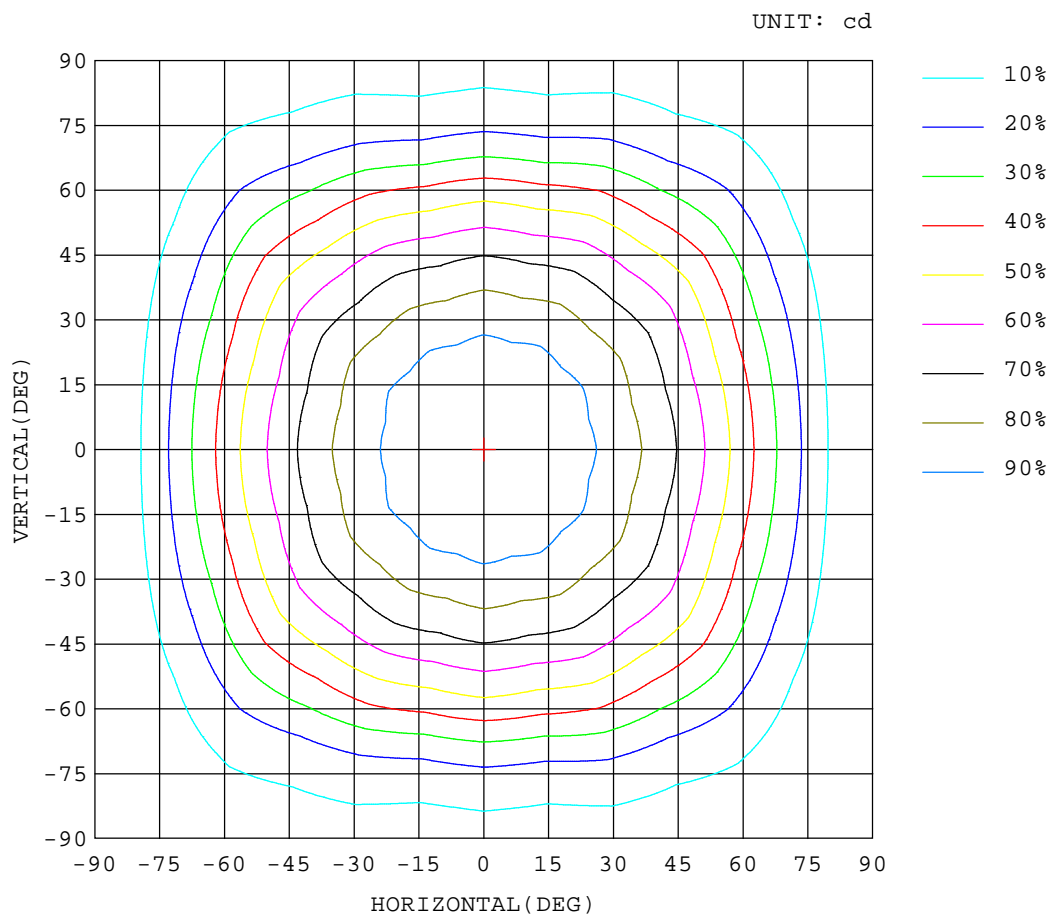
Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
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HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number: 2020111101

MANUFACTURER: lightstec	Address: Zhongshan China	
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SPECIFICATION: YG8, 3000K, RA90, IP65	DIMENSION: 1M	SERIAL No.: 2020111101



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 Temperature: 25.3DEG  
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 Test Date: 2020/11/11/

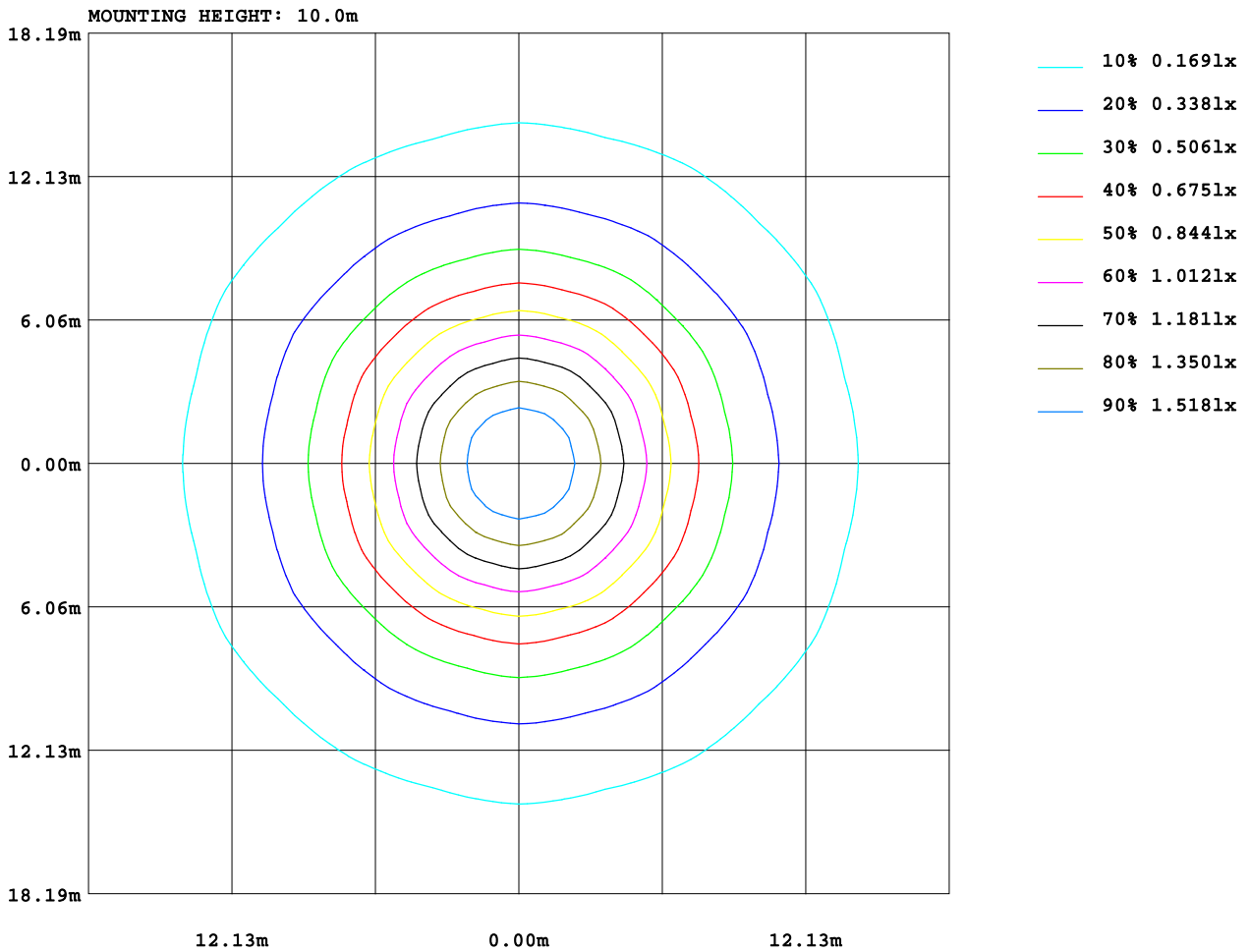
Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 8.000 m  
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number: 2020111101

MANUFACTURER: lightstec	Address: Zhongshan China	
NAME: 2835-120-24	TYPE: LED strip light	WEIGHT: 20
SPECIFICATION: YG8, 3000K, RA90, IP65	DIMENSION: 1M	SERIAL No.: 2020111101



Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2020/11/11/

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 8.000 m  
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

AREA LUMINOUS FLUX

Report number: 2020111101

MANUFACTURER: lightstec	Address:Zhongshan China	
NAME: 2835-120-24	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:YG8,3000K,RA90,IP65	DIMENSION: 1M	SERIAL No.:2020111101

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm		F t	F a
	0.01	0.05	0.11	0.19	0.25	0.34	0.39	0.42	0.46	0.47	0.43	0.41	0.34	0.25	0.18	0.10	0.04	0.01	4.44	0.89	
90	0.01	0.05	0.11	0.19	0.25	0.34	0.39	0.42	0.46	0.47	0.43	0.41	0.34	0.25	0.18	0.10	0.04	0.01	4.44	0.89	
80	0.01	0.06	0.16	0.30	0.43	0.60	0.74	0.81	0.91	0.92	0.84	0.77	0.62	0.43	0.29	0.15	0.05	0.01	8.11	7.25	
70	0.02	0.08	0.24	0.49	0.76	1.08	1.39	1.57	1.76	1.77	1.62	1.45	1.13	0.78	0.49	0.23	0.07	0.01	14.9	14.6	
60	0.02	0.10	0.34	0.75	1.20	1.68	2.16	2.46	2.70	2.71	2.51	2.23	1.74	1.23	0.76	0.34	0.10	0.02	23.0	22.8	
50	0.02	0.14	0.45	1.00	1.63	2.23	2.83	3.23	3.49	3.50	3.28	2.90	2.29	1.67	1.01	0.46	0.14	0.02	30.3	30.2	
40	0.02	0.17	0.56	1.20	1.97	2.70	3.36	3.85	4.12	4.14	3.91	3.41	2.75	2.02	1.22	0.56	0.17	0.02	36.2	36.1	
30	0.02	0.20	0.65	1.34	2.19	3.05	3.75	4.30	4.59	4.60	4.35	3.81	3.11	2.25	1.36	0.66	0.21	0.02	40.5	40.4	
	0.03	0.22	0.72	1.45	2.33	3.23	4.03	4.59	4.90	4.92	4.63	4.08	3.29	2.38	1.49	0.73	0.23	0.03	43.3	43.2	
	0.03	0.23	0.75	1.52	2.42	3.33	4.11	4.71	5.03	5.06	4.77	4.18	3.39	2.49	1.56	0.77	0.24	0.03	44.6	44.6	
	0.03	0.23	0.75	1.52	2.42	3.33	4.11	4.71	5.03	5.06	4.77	4.18	3.39	2.49	1.56	0.77	0.24	0.03	44.6	44.6	
	0.03	0.22	0.72	1.45	2.33	3.23	4.03	4.59	4.90	4.92	4.63	4.08	3.29	2.38	1.49	0.73	0.23	0.03	43.3	43.2	
-30	0.02	0.20	0.65	1.34	2.19	3.05	3.75	4.30	4.59	4.60	4.35	3.81	3.11	2.25	1.36	0.66	0.21	0.02	40.5	40.4	
-40	0.02	0.17	0.56	1.20	1.97	2.70	3.36	3.85	4.12	4.14	3.91	3.41	2.75	2.02	1.22	0.56	0.17	0.02	36.2	36.1	
-50	0.02	0.14	0.45	1.00	1.63	2.23	2.83	3.23	3.49	3.50	3.28	2.90	2.29	1.67	1.01	0.46	0.14	0.02	30.3	30.2	
-60	0.02	0.10	0.34	0.75	1.20	1.68	2.16	2.46	2.70	2.71	2.51	2.23	1.74	1.23	0.76	0.34	0.10	0.02	23.0	22.8	
-70	0.02	0.08	0.24	0.49	0.76	1.08	1.39	1.57	1.76	1.77	1.62	1.45	1.13	0.78	0.49	0.23	0.07	0.01	14.9	14.6	
-80	0.01	0.06	0.16	0.30	0.43	0.60	0.74	0.81	0.91	0.92	0.84	0.77	0.62	0.43	0.29	0.15	0.05	0.01	8.11	7.25	
-90	0.01	0.05	0.11	0.19	0.25	0.34	0.39	0.42	0.46	0.47	0.43	0.41	0.34	0.25	0.18	0.10	0.04	0.01	4.44	0.89	
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90				
F t	0.36	2.48	7.95	16.5	26.4	36.5	45.6	51.9	55.9	56.2	52.7	46.5	37.3	27.0	16.7	8.01	2.50	0.34	491		
F a	0.00	1.70	7.27	15.8	25.7	35.9	45.0	51.3	55.3	55.6	52.1	45.9	36.8	26.3	16.1	7.35	1.81	0.00		481	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020/11/11/

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks:

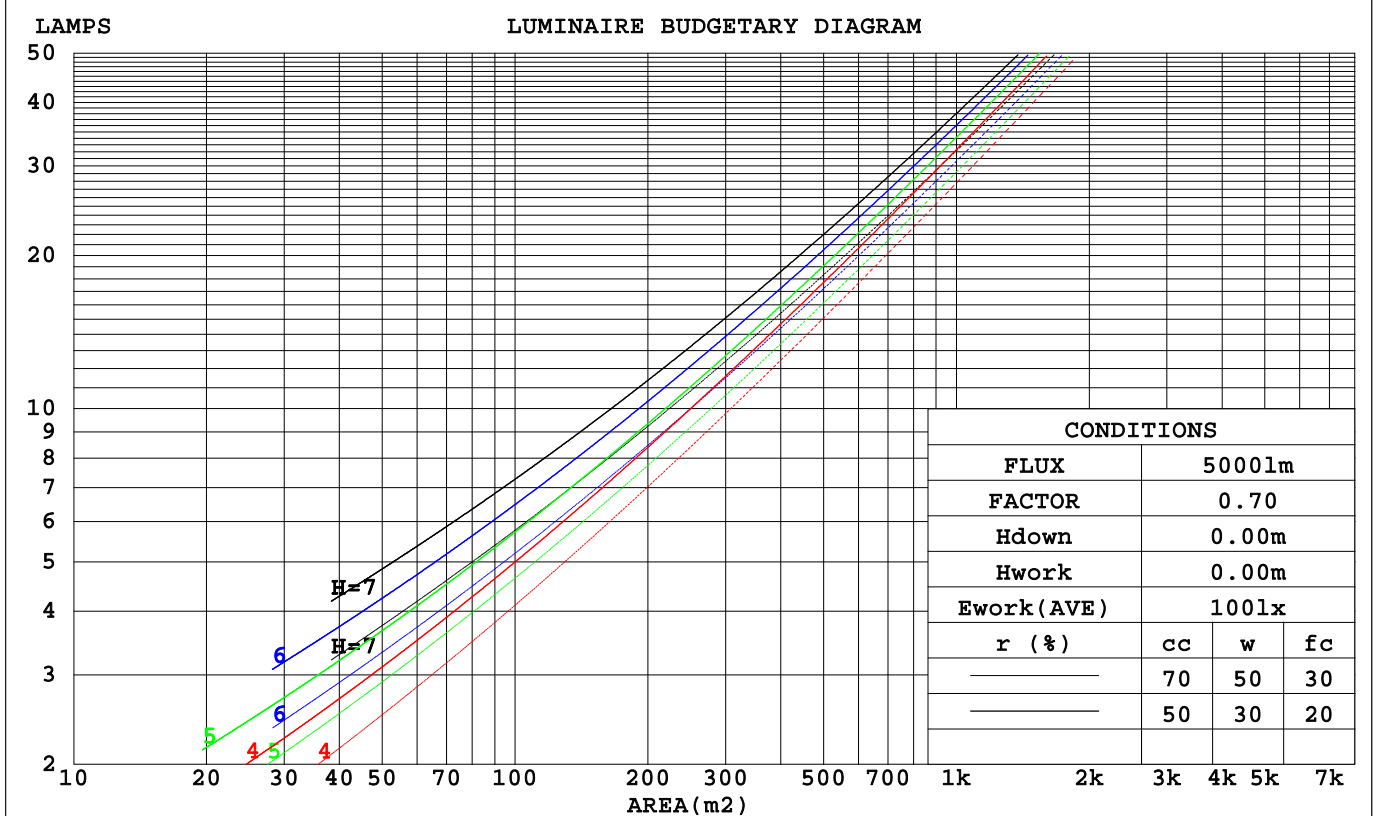
HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number: 2020111101

MANUFACTURER: lightstec				Address:Zhongshan China							
NAME: 2835-120-24				TYPE:LED strip light				WEIGHT:20			
SPECIFICATION:YG8,3000K,RA90,IP65				DIMENSION: 1M				SERIAL No.:2020111101			

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rhc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.78	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.60	.58
4.0	.70	.61	.54	.69	.61	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.54	.47	.61	.53	.47	.59	.52	.46	.57	.51	.46	.56	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020/11/11/

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks:



HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Report number: 2020111101

MANUFACTURER: lightstec	Address:Zhongshan China	
NAME: 2835-120-24	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:YG8,3000K,RA90,IP65	DIMENSION: 1M	SERIAL No.:2020111101

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	.316	.180	.057	.309	.176	.056	.295	.169	.054	.283	.163	.052	.272	.158	.051	
2.0	.294	.161	.049	.287	.158	.049	.276	.153	.048	.265	.149	.047	.255	.144	.045	
3.0	.271	.144	.043	.265	.142	.043	.255	.138	.042	.245	.135	.041	.237	.131	.041	
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.231	.118	.034	.227	.116	.034	.218	.114	.033	.211	.111	.033	.204	.109	.033	
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030	
7.0	.199	.098	.028	.196	.098	.028	.189	.096	.028	.183	.094	.027	.178	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.174	.084	.024	.172	.084	.023	.166	.082	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.161	.078	.022	.157	.077	.022	.152	.076	.022	.148	.075	.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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.181	.156	.134	.155	.134	.115	.106	.092	.080	.061	.053	.046	.019	.017	.015	
2.0	.173	.132	.098	.148	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.165	.114	.074	.141	.099	.064	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.128	.078	.041	.088	.055	.029	.051	.032	.017	.017	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020/11/11/

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

Uncorrected UGR Table

Report number: 2020111101

MANUFACTURER: lightstec					Address:Zhongshan China					
NAME: 2835-120-24					TYPE:LED strip light			WEIGHT:20		
SPECIFICATION:YG8,3000K,RA90,IP65					DIMENSION: 1M			SERIAL No.:2020111101		
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	14.5	16.0	14.7	16.2	16.4	14.5	16.0	14.8	16.2	16.4
3H	15.8	17.2	16.1	17.4	17.7	15.8	17.2	16.1	17.4	17.6
4H	16.2	17.6	16.6	17.8	18.1	16.2	17.6	16.6	17.8	18.1
6H	16.5	17.8	16.9	18.1	18.3	16.7	18.0	17.0	18.2	18.5
8H	16.6	17.8	16.9	18.1	18.4	16.9	18.2	17.3	18.4	18.7
12H	16.6	17.8	17.0	18.1	18.4	17.2	18.4	17.6	18.7	19.0
4H 2H	15.1	16.4	15.4	16.7	16.9	15.1	16.4	15.4	16.7	16.9
3H	16.6	17.7	16.9	18.0	18.3	16.5	17.7	16.9	18.0	18.3
4H	17.1	18.2	17.5	18.5	18.9	17.1	18.2	17.5	18.5	18.9
6H	17.5	18.5	17.9	18.8	19.2	17.7	18.7	18.1	19.0	19.4
8H	17.6	18.5	18.0	18.9	19.3	18.0	18.9	18.5	19.3	19.7
12H	17.7	18.5	18.1	18.9	19.3	18.4	19.2	18.8	19.6	20.0
8H 4H	17.4	18.3	17.8	18.6	19.0	17.4	18.3	17.8	18.6	19.0
6H	17.9	18.7	18.4	19.1	19.5	18.2	18.9	18.6	19.3	19.7
8H	18.1	18.8	18.6	19.2	19.6	18.6	19.3	19.1	19.7	20.1
12H	18.3	18.8	18.7	19.3	19.8	19.1	19.7	19.6	20.1	20.6
12H 4H	17.4	18.2	17.8	18.6	19.0	17.4	18.2	17.8	18.6	19.0
6H	18.0	18.7	18.5	19.1	19.5	18.2	18.9	18.7	19.3	19.8
8H	18.3	18.8	18.7	19.3	19.8	18.7	19.3	19.2	19.8	20.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 491.4 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.5)

Test System:HOPPO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020/11/11/

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Report number: 2020111101

MANUFACTURER: lightstec	Address: Zhongshan China	
NAME: 2835-120-24	TYPE: LED strip light	WEIGHT: 20
SPECIFICATION: YG8, 3000K, RA90, IP65	DIMENSION: 1M	SERIAL No.: 2020111101

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	57	46	39	57	45	38	55	45	38	32
0.80	67	56	48	66	55	48	65	54	48	41
1.00	76	65	57	75	64	57	72	66	57	49
1.25	83	72	65	82	72	65	79	70	64	57
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	70
2.50	99	91	85	97	89	84	93	87	82	74
3.00	102	95	89	100	94	88	96	91	86	78
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	98	95	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2020/11/11/

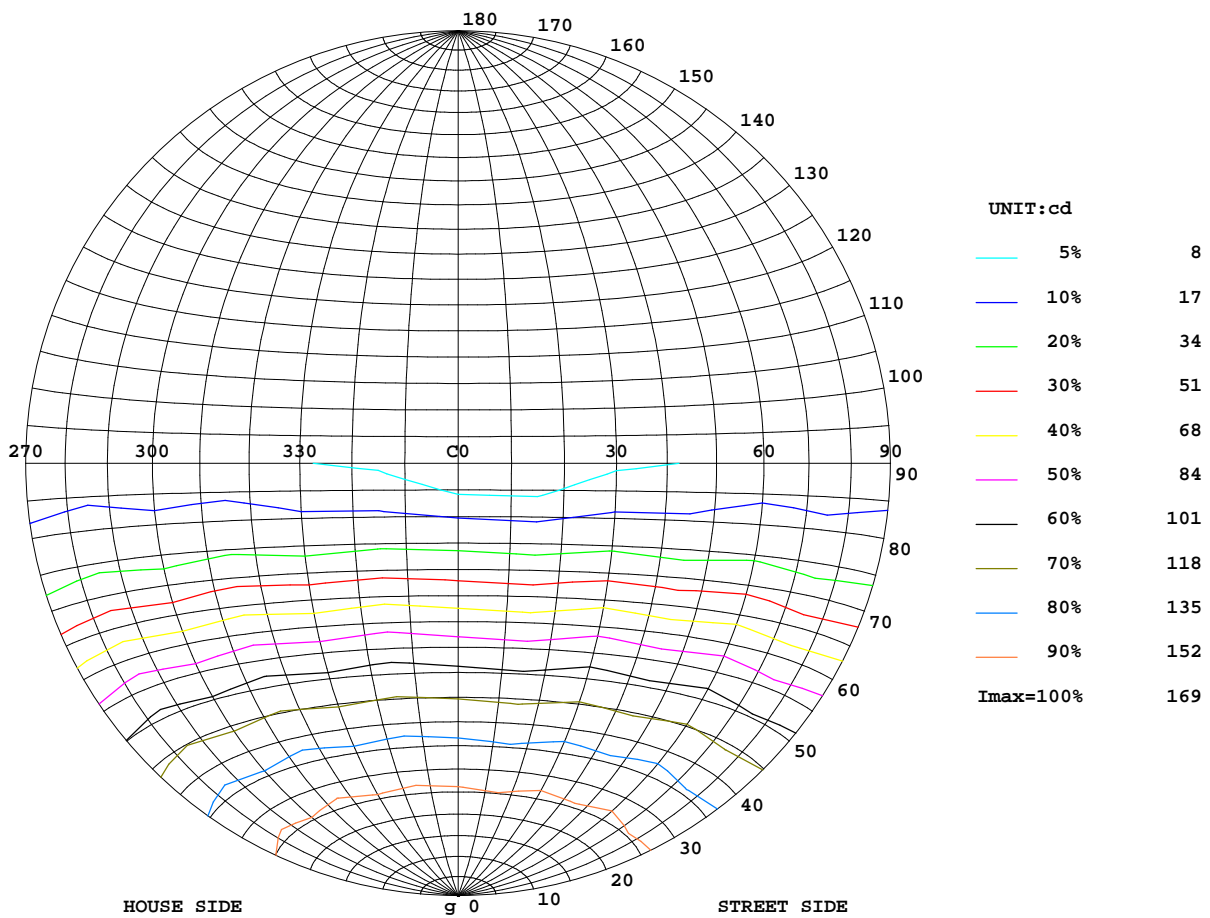
Test Set: 8.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 8.000 m  
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number: 2020111101

MANUFACTURER: lightstec	Address: Zhongshan China	
NAME: 2835-120-24	TYPE: LED strip light	WEIGHT: 20
SPECIFICATION: YG8, 3000K, RA90, IP65	DIMENSION: 1M	SERIAL No.: 2020111101



Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2020/11/11/

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 8.000 m  
 Remarks:

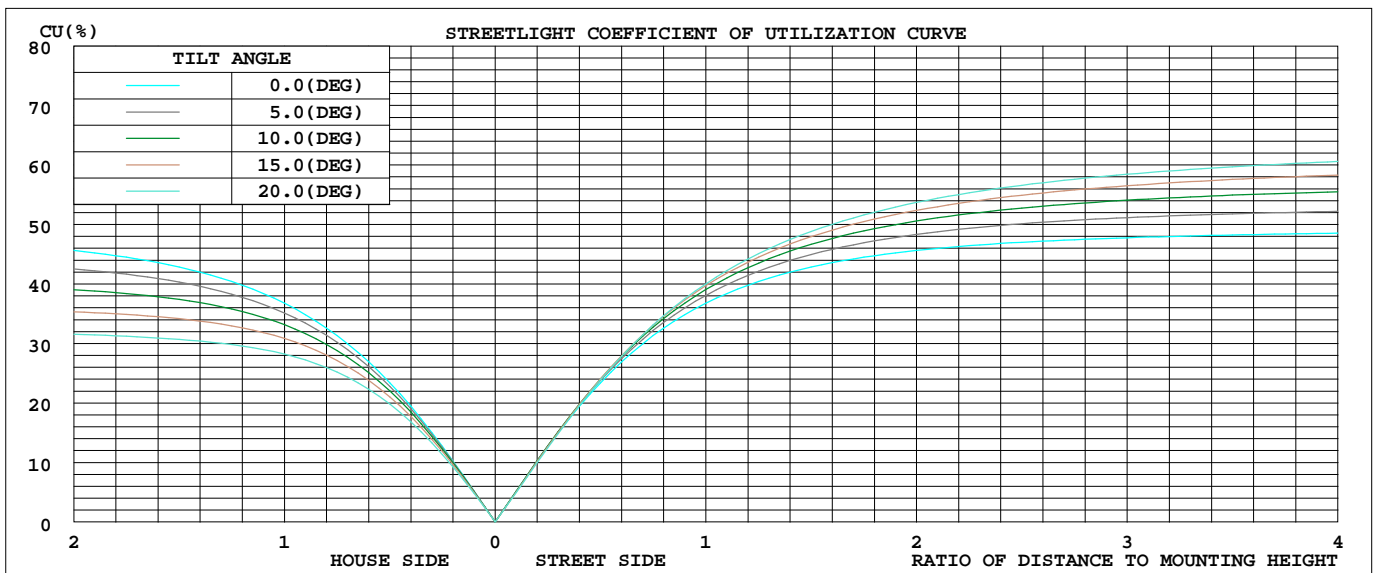
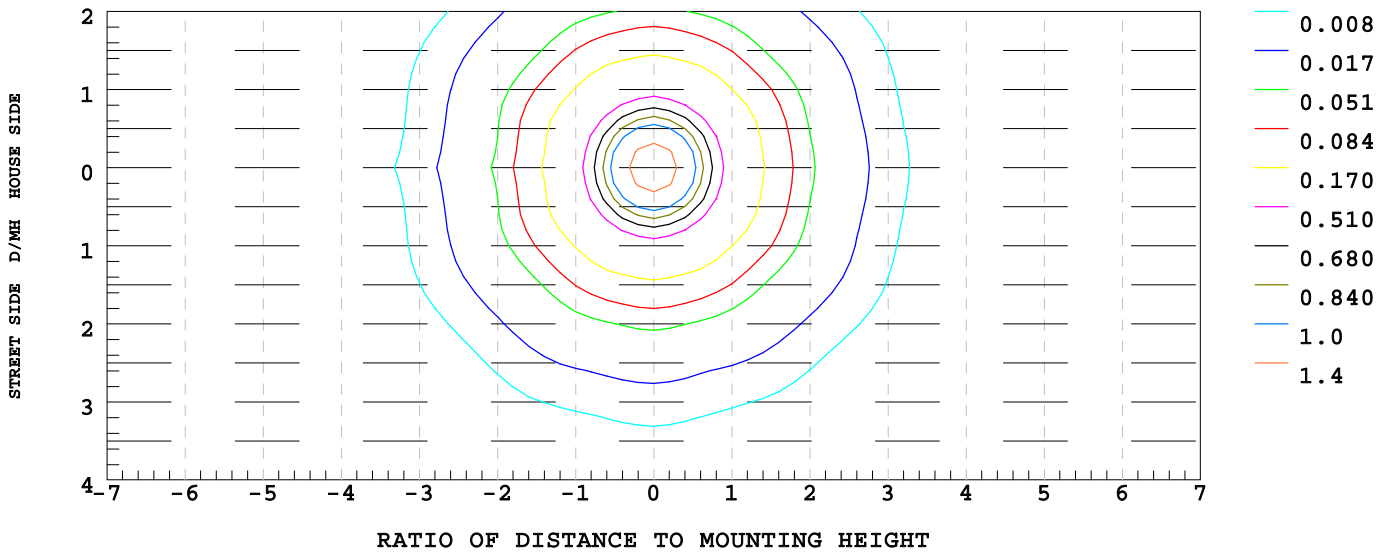
HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number: 2020111101

MANUFACTURER: lightstec	Address:Zhongshan China	
NAME: 2835-120-24	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:YG8,3000K,RA90,IP65	DIMENSION: 1M	SERIAL No.:2020111101

ILLUMINANCE AT MH=10 m,Enadir = 1.69 lx



Test System:HOPPO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020/11/11/

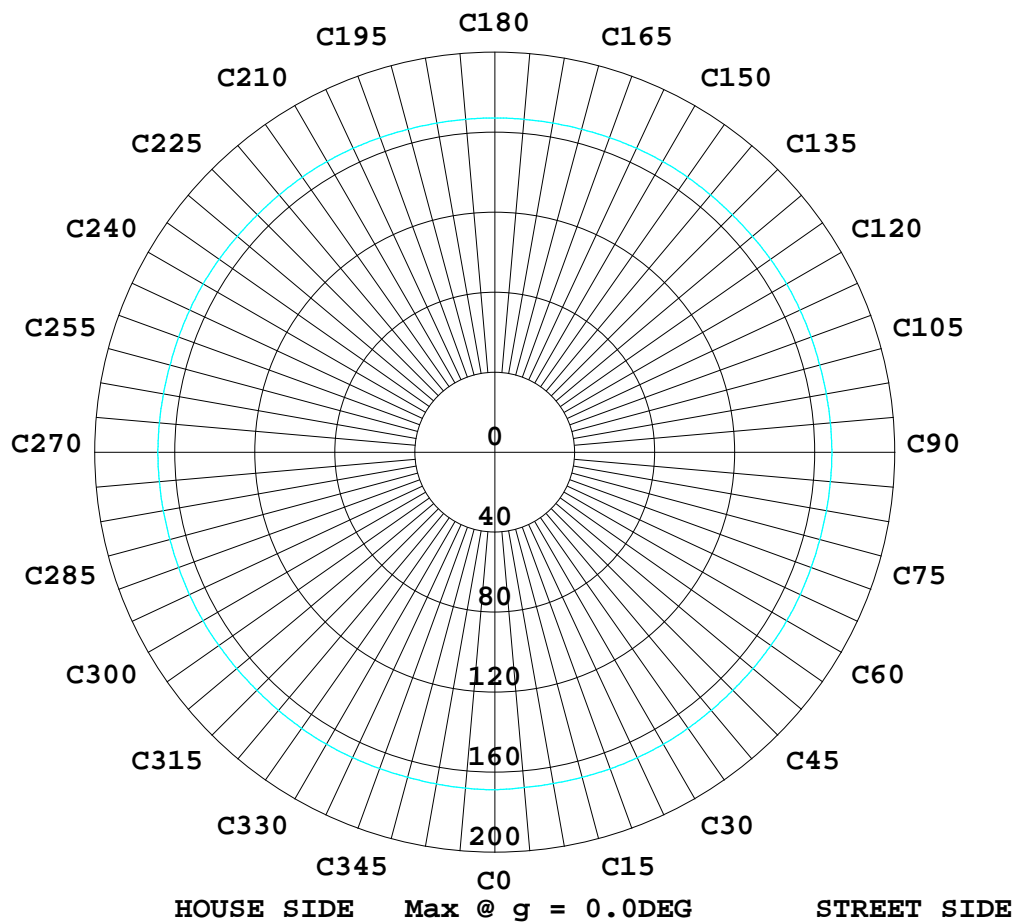
Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number: 2020111101

MANUFACTURER: lightstec	Address: Zhongshan China	
NAME: 2835-120-24	TYPE: LED strip light	WEIGHT: 20
SPECIFICATION: YG8, 3000K, RA90, IP65	DIMENSION: 1M	SERIAL No.: 2020111101



Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2020/11/11/

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 8.000 m  
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2020111101

MANUFACTURER: lightstec	Address:Zhongshan China	
NAME: 2835-120-24	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:YG8,3000K,RA90,IP65	DIMENSION: 1M	SERIAL No.:2020111101

UNIT: cd

C(DEG)\g (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	169	168	169	168	169	168	169	168	168	168	168	167	167	167	168
5.0	168	168	168	168	168	168	168	167	168	167	167	166	166	166	167
10.0	167	166	167	166	167	166	166	166	166	165	166	164	164	164	166
15.0	164	163	164	163	164	163	163	162	163	162	163	161	161	161	163
20.0	159	158	160	159	160	158	159	158	159	157	158	156	156	156	158
25.0	153	152	154	153	155	153	154	152	153	151	153	150	151	150	153
30.0	146	145	147	146	148	145	147	144	146	144	146	143	143	143	146
35.0	138	136	139	137	140	137	139	136	138	136	138	134	135	134	138
40.0	128	127	130	128	130	127	129	126	128	126	128	124	125	124	128
45.0	117	115	119	117	119	116	118	114	116	114	117	112	114	112	117
50.0	105	103	107	105	107	103	105	102	104	102	105	100	102	100	105
55.0	90.5	88.4	93.6	90.9	92.7	88.7	91.5	87.4	90.0	88.5	91.6	86.6	88.0	86.6	91.6
60.0	75.3	73.0	78.5	75.5	77.7	73.9	76.7	72.6	74.8	73.0	77.1	72.1	73.2	72.1	77.1
65.0	59.6	57.7	62.9	59.6	62.5	57.9	60.0	56.4	59.7	57.9	62.1	57.2	58.5	57.2	62.1
70.0	43.9	41.9	45.9	43.4	45.4	41.2	43.1	39.5	42.6	42.2	45.6	41.5	42.7	41.5	45.6
75.0	29.1	27.2	30.6	28.4	31.1	28.2	30.2	27.5	29.5	27.7	30.5	26.3	27.4	26.3	30.5
80.0	16.1	14.9	19.1	18.5	21.7	20.2	22.2	20.0	21.5	19.0	19.3	15.1	15.5	15.1	19.3
85.0	7.48	7.16	11.7	12.6	15.4	14.2	15.7	13.7	14.7	12.7	12.6	8.12	7.74	8.12	12.6
90.0	3.32	4.35	7.48	8.63	10.3	10.1	11.0	10.0	10.4	8.89	8.32	5.24	4.03	5.24	8.32

Test System:HOPPO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020/11/11/

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2020111101

MANUFACTURER: lightstec	Address: Zhongshan China	
NAME: 2835-120-24	TYPE: LED strip light	WEIGHT: 20
SPECIFICATION: YG8, 3000K, RA90, IP65	DIMENSION: 1M	SERIAL No.: 2020111101

UNIT: cd

g (DEG) \ C (DEG)	C (DEG)								
	225	240	255	270	285	300	315	330	345
0.0	168	168	168	169	168	169	168	169	168
5.0	167	168	167	168	168	168	168	168	168
10.0	165	166	166	166	166	167	166	167	166
15.0	162	163	162	163	163	164	163	164	163
20.0	157	159	158	159	158	160	159	160	158
25.0	151	153	152	154	153	155	153	154	152
30.0	144	146	144	147	145	148	146	147	145
35.0	136	138	136	139	137	140	137	139	136
40.0	126	128	126	129	127	130	128	130	127
45.0	114	116	114	118	116	119	117	119	115
50.0	102	104	102	105	103	107	105	107	103
55.0	88.5	90.0	87.4	91.5	88.7	92.7	90.9	93.6	88.4
60.0	73.0	74.8	72.6	76.7	73.9	77.7	75.5	78.5	73.0
65.0	57.9	59.7	56.4	60.0	57.9	62.5	59.6	62.9	57.7
70.0	42.2	42.6	39.5	43.1	41.2	45.4	43.4	45.9	41.9
75.0	27.7	29.5	27.5	30.2	28.2	31.1	28.4	30.6	27.2
80.0	19.0	21.5	20.0	22.2	20.2	21.7	18.5	19.1	14.9
85.0	12.7	14.7	13.7	15.7	14.2	15.4	12.6	11.7	7.16
90.0	8.89	10.4	10.0	11.0	10.1	10.3	8.63	7.48	4.35

Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2020/11/11/

Test Set: 8.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 8.000 m  
 Remarks: