

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

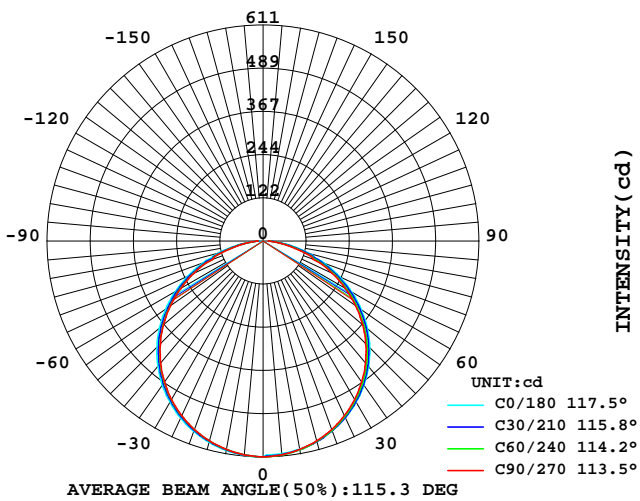
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 2020112001

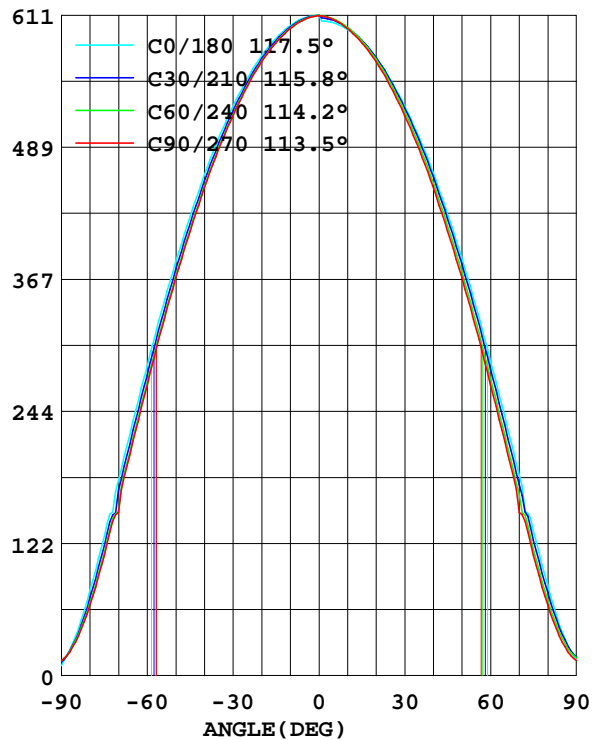
MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112001

DATA OF LAMP		I _{max} (cd)	611.1	S/MH(C0/180)	1.28
MODEL	2835	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.26
NOMINAL POWER(W)	16	TOTAL FLUX(lm)	1776.1	Voltage(V)	24.00
RATED VOLTAGE(V)	25	EFFICIENCY(lm/W)	119.0	Current(A)	0.622
NOMINAL FLUX(lm)	1776.2	h up(%)	0.0	Power(W)	14.93
LAMPS QUANTITY	1	h down(%)	100.0	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	1744.3	EEL	0.117

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPPO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2020/11/20

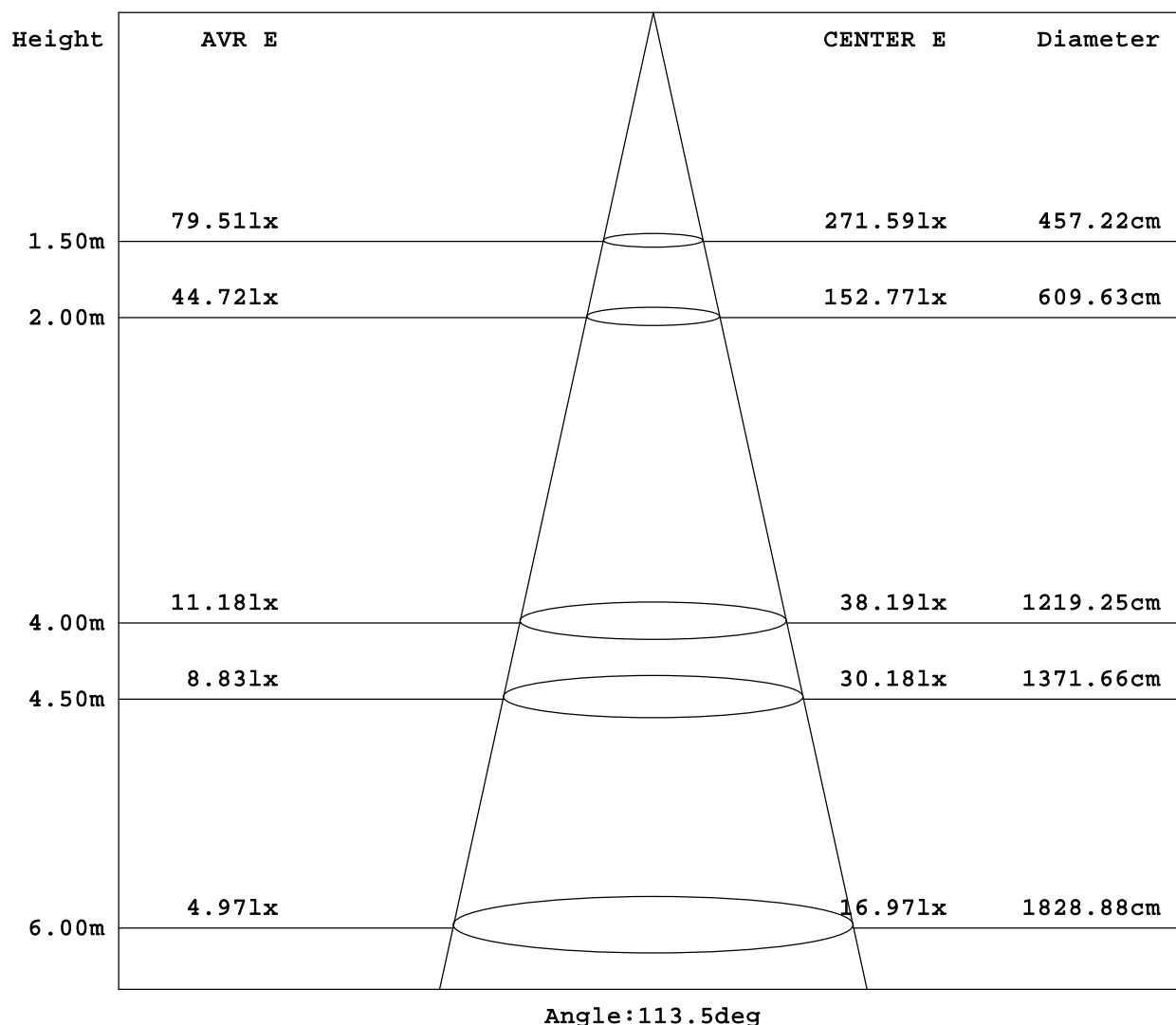
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number: 2020112001

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112001



Test System:HOPPO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2020/11/20

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: 2020112001

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112001

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	Total
5.0	608.6	607.2	607.2	606.8	604.1	606.8	607.2	607.2	0- 5	14.54	14.54
10.0	601.5	599.0	598.7	599.4	597.8	599.4	598.7	599.0	5- 10	43.14	57.68
15.0	589.7	585.7	585.4	586.9	586.9	586.9	585.4	585.7	10- 15	70.34	128.0
20.0	573.7	567.8	568.1	569.5	571.8	569.5	568.1	567.8	15- 20	95.28	223.3
25.0	552.5	545.9	545.3	548.2	551.4	548.2	545.3	545.9	20- 25	117.1	340.4
30.0	526.7	518.6	517.9	521.5	526.6	521.5	517.9	518.6	25- 30	135.2	475.7
35.0	497.7	486.9	487.3	490.3	498.4	490.3	487.3	486.9	30- 35	149.0	624.7
40.0	463.2	452.0	451.3	455.8	464.8	455.8	451.3	452.0	35- 40	157.8	782.5
45.0	424.5	411.5	410.9	415.6	426.7	415.6	410.9	411.5	40- 45	161.4	944.0
50.0	383.4	368.8	368.3	373.0	386.2	373.0	368.3	368.8	45- 50	159.4	1103
55.0	336.6	320.5	320.1	324.8	340.2	324.8	320.1	320.5	50- 55	151.8	1255
60.0	286.5	268.8	268.6	273.1	290.6	273.1	268.6	268.8	55- 60	138.8	1394
65.0	235.5	216.8	216.7	221.0	240.1	221.0	216.7	216.8	60- 65	120.7	1515
70.0	180.8	163.8	150.9	167.9	185.4	167.9	150.9	163.8	65- 70	99.43	1614
75.0	129.0	109.5	111.2	113.3	133.6	113.3	111.2	109.5	70- 75	74.05	1689
80.0	79.10	63.68	65.66	67.19	83.83	67.19	65.66	63.68	75- 80	49.13	1738
85.0	36.16	28.67	31.04	32.19	40.19	32.19	31.04	28.67	80- 85	26.76	1764
90.0	9.344	11.71	13.69	15.23	14.27	15.23	13.69	11.71	85- 90	11.76	1776
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:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2020/11/20

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

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

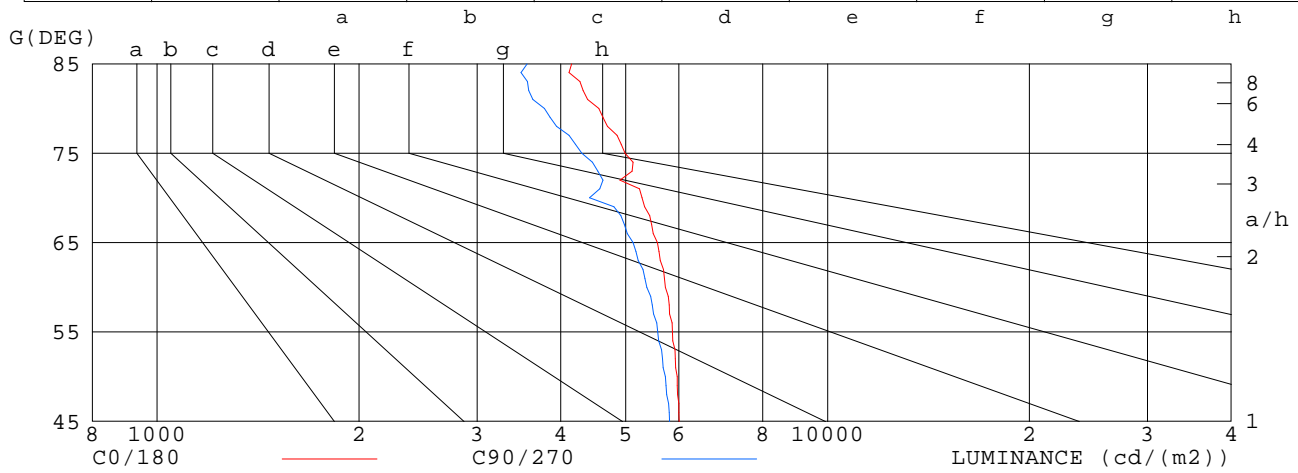
LUMINANCE LIMITATION CURVES

Report number: 2020112001

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112001

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	4149	3561
80	4555	3781
75	4988	4298
70	5286	4414
65	5573	5128
60	5732	5372
55	5869	5581
50	5965	5730
45	6004	5812

Test System:HOPPO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2020/11/20

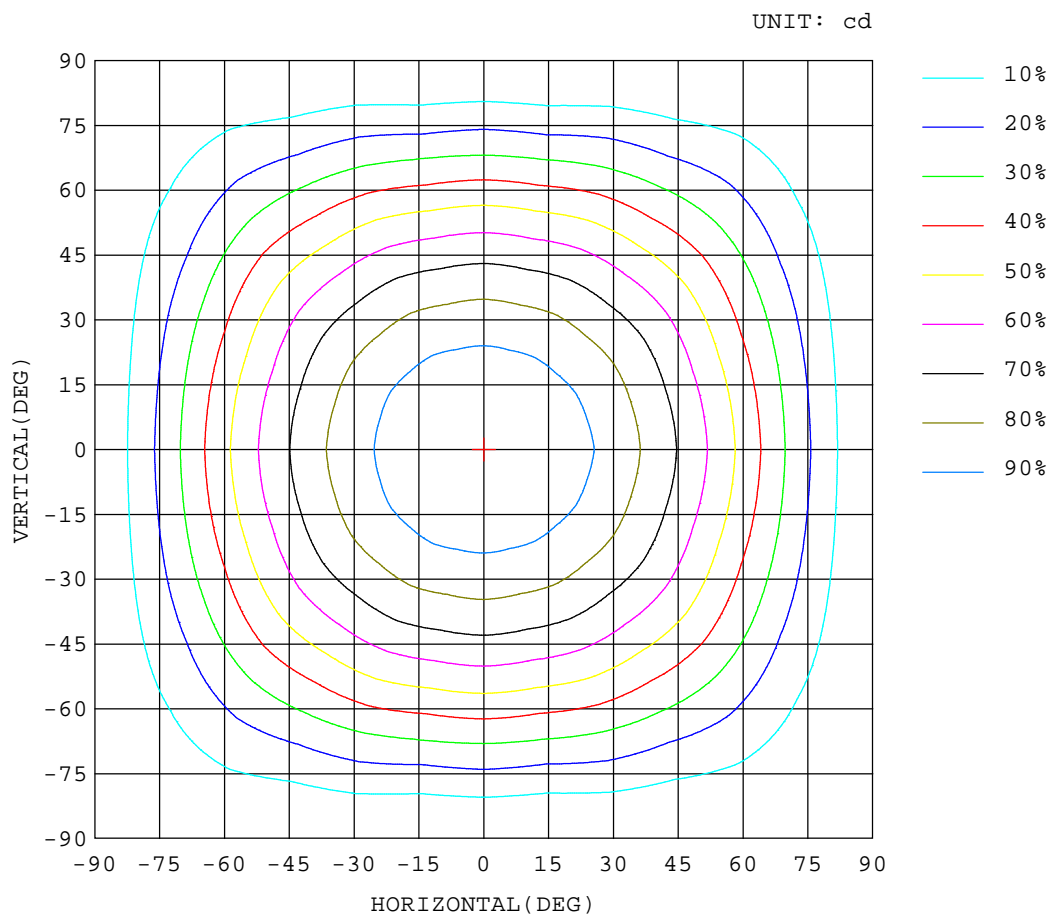
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number: 2020112001

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112001



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2020/11/20

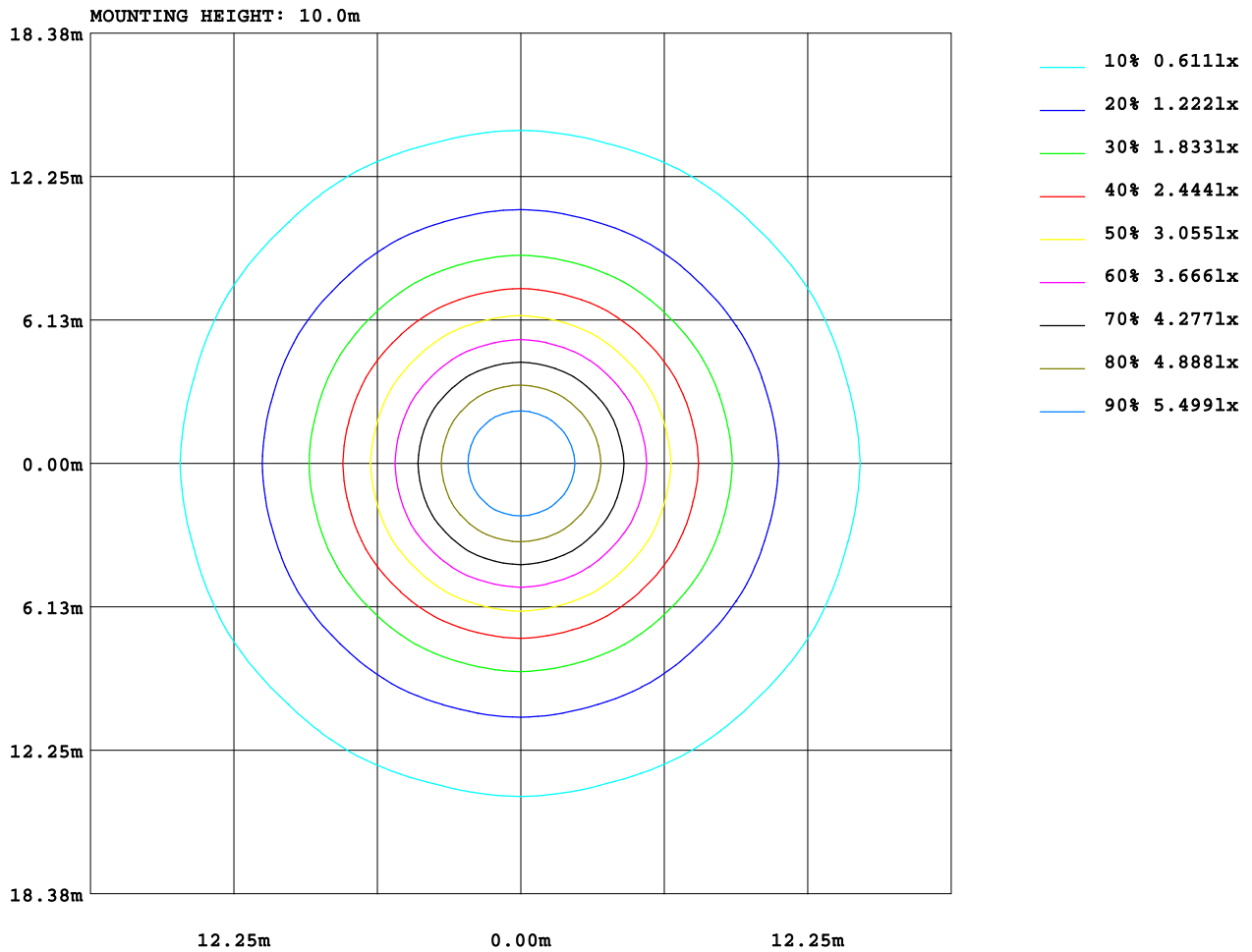
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number: 2020112001

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112001



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2020/11/20

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: 2020112001

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112001

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm		F t	F a
	0.04	0.15	0.30	0.46	0.59	0.78	0.90	0.91	1.00	0.99	0.88	0.84	0.71	0.51	0.39	0.24	0.11	0.03	9.82	0.00	
90	0.04	0.15	0.30	0.46	0.59	0.78	0.90	0.91	1.00	0.99	0.88	0.84	0.71	0.51	0.39	0.24	0.11	0.03	9.82	0.00	
80	0.05	0.24	0.60	1.08	1.58	2.23	2.77	3.03	3.31	3.30	3.00	2.71	2.15	1.50	1.01	0.53	0.20	0.04	29.4	25.6	
70	0.07	0.36	1.02	1.99	3.05	4.25	5.31	6.03	6.46	6.44	5.95	5.21	4.15	2.95	1.91	0.95	0.32	0.06	56.5	55.5	
60	0.08	0.52	1.48	2.93	4.60	6.30	7.91	8.94	9.58	9.56	8.89	7.82	6.21	4.52	2.82	1.42	0.47	0.07	84.2	83.6	
50	0.10	0.67	1.94	3.84	6.03	8.20	10.2	11.5	12.3	12.3	11.5	10.1	8.09	5.92	3.76	1.86	0.63	0.09	109	109	
40	0.11	0.82	2.35	4.59	7.24	9.81	12.1	13.7	14.6	14.6	13.7	12.0	9.70	7.14	4.50	2.30	0.78	0.10	130	130	
30	0.13	0.94	2.68	5.18	8.14	11.0	13.5	15.4	16.4	16.3	15.3	13.4	10.9	8.04	5.10	2.63	0.90	0.12	147	146	
20	0.14	1.02	2.93	5.63	8.74	11.8	14.6	16.5	17.6	17.6	16.5	14.5	11.7	8.66	5.55	2.87	0.99	0.13	158	158	
10	0.14	1.07	3.07	5.89	9.11	12.3	15.0	17.1	18.2	18.2	17.1	15.0	12.2	9.05	5.82	3.02	1.04	0.13	164	164	
0	0.14	1.07	3.07	5.89	9.11	12.3	15.0	17.1	18.2	18.2	17.1	15.0	12.2	9.05	5.82	3.02	1.04	0.13	164	164	
-10	0.14	1.02	2.93	5.63	8.74	11.8	14.6	16.5	17.6	17.6	16.5	14.5	11.7	8.66	5.55	2.87	0.99	0.13	158	158	
-20	0.13	0.94	2.68	5.18	8.14	11.0	13.5	15.4	16.4	16.3	15.3	13.4	10.9	8.04	5.10	2.63	0.90	0.12	147	146	
-30	0.11	0.82	2.35	4.59	7.24	9.81	12.1	13.7	14.6	14.6	13.7	12.0	9.70	7.14	4.50	2.30	0.78	0.10	130	130	
-40	0.10	0.67	1.94	3.84	6.03	8.20	10.2	11.5	12.3	12.3	11.5	10.1	8.09	5.92	3.76	1.86	0.63	0.09	109	109	
-50	0.08	0.52	1.48	2.93	4.60	6.30	7.91	8.94	9.58	9.56	8.89	7.82	6.21	4.52	2.82	1.42	0.47	0.07	84.2	83.6	
-60	0.07	0.36	1.02	1.99	3.05	4.25	5.31	6.03	6.46	6.44	5.95	5.21	4.15	2.95	1.91	0.95	0.32	0.06	56.5	55.5	
-70	0.05	0.24	0.60	1.08	1.58	2.23	2.77	3.03	3.31	3.30	3.00	2.71	2.15	1.50	1.01	0.53	0.20	0.04	29.4	25.6	
-80	0.04	0.15	0.30	0.46	0.59	0.78	0.90	0.91	1.00	0.99	0.88	0.84	0.71	0.51	0.39	0.24	0.11	0.03	9.82	0.00	
-90	0.04	0.15	0.30	0.46	0.59	0.78	0.90	0.91	1.00	0.99	0.88	0.84	0.71	0.51	0.39	0.24	0.11	0.03	9.82	0.00	
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90				
F t	1.73	11.5	32.8	63.2	98.2	134	165	187	199	199	186	164	132	96.6	61.7	31.7	10.8	1.53	1776		
F a	0.39	9.72	30.9	61.4	96.3	132	163	185	197	197	184	162	130	94.8	59.9	29.9	9.01	0.27		1744	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
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Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
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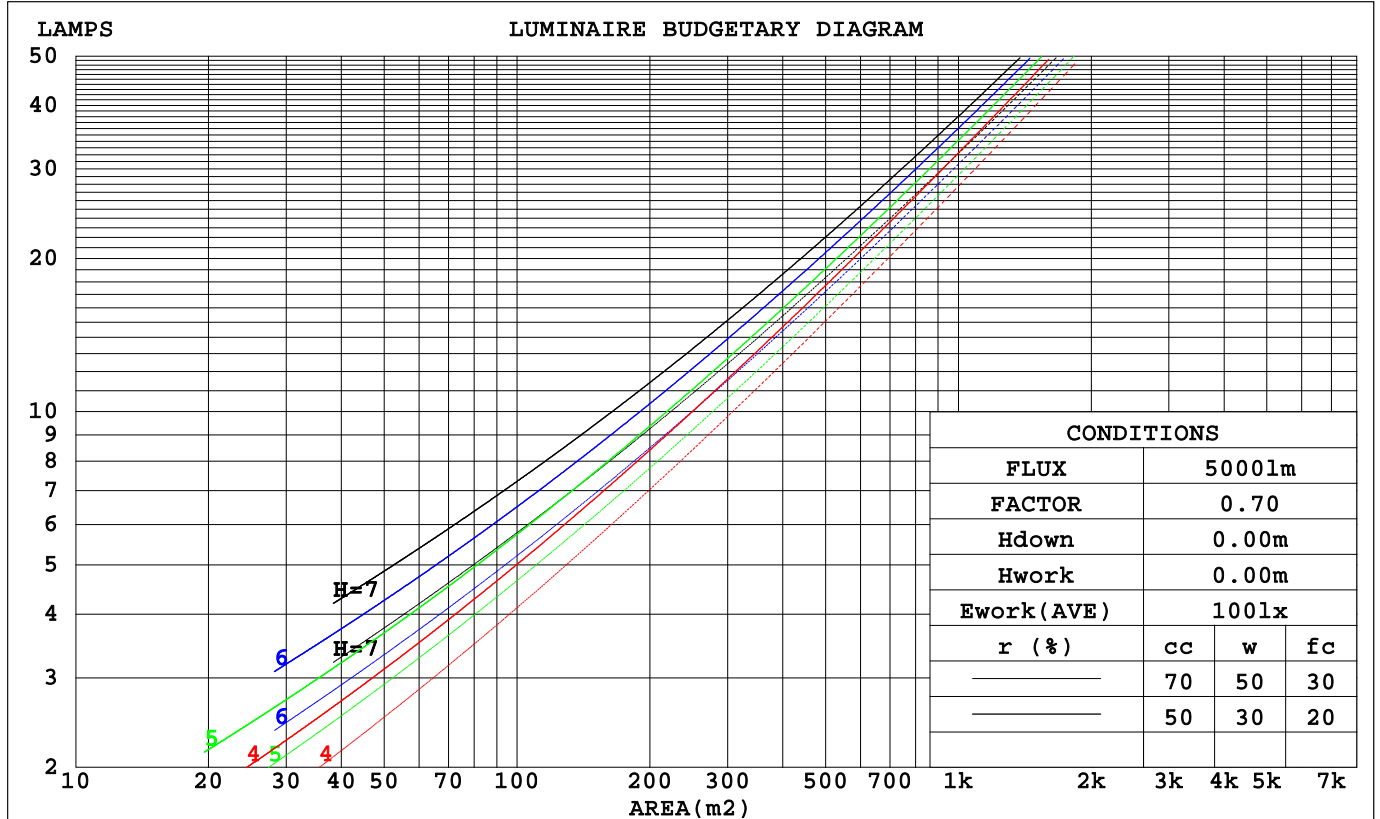
HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number: 2020112001

MANUFACTURER: lightstec			Address:China		
NAME: 2835-160-24-8LEDs			TYPE:LED strip light		WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90			DIMENSION: 1M		SERIAL No.:2020112001

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	1.19	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	.91	.88	.90	.87	.85	.83
2.0	.90	.83	.77	.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	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.58	.52	.62	.56	.52	.50
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.51	.45	.55	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.35	.47	.40	.35	.46	.40	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.28	.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:HOPPO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2020/11/20

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

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Report number: 2020112001

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SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112001

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	.313	.178	.056	.306	.175	.055	.293	.168	.054	.281	.162	.052	.269	.156	.050	
2.0	.294	.161	.049	.287	.158	.049	.276	.153	.048	.265	.149	.047	.255	.144	.045	
3.0	.272	.145	.043	.266	.142	.043	.256	.139	.042	.246	.135	.041	.237	.131	.041	
4.0	.250	.130	.038	.246	.128	.038	.236	.125	.037	.228	.122	.037	.220	.119	.036	
5.0	.231	.118	.034	.227	.117	.034	.219	.114	.034	.211	.112	.033	.204	.109	.033	
6.0	.215	.108	.031	.211	.106	.031	.203	.104	.030	.197	.102	.030	.190	.100	.030	
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027	
8.0	.186	.091	.026	.183	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.175	.084	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.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	.154	.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	.050	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.051	.032	.017	.017	.010	.006	
6.0	.143	.082	.039	.123	.071	.034	.085	.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:2020/11/20

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: 2020112001

MANUFACTURER: lightstec					Address:China					
NAME: 2835-160-24-8LEDs					TYPE:LED strip light			WEIGHT:20		
SPECIFICATION:30K-G,3000K,RA90					DIMENSION: 1M			SERIAL No.:2020112001		
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	20.7	21.0	18.8	20.3	19.0	20.5	20.7
3H	20.6	22.0	20.9	22.2	22.5	20.2	21.6	20.5	21.8	22.1
4H	21.2	22.5	21.5	22.8	23.0	20.7	22.1	21.0	22.3	22.6
6H	21.6	22.9	22.0	23.2	23.5	21.1	22.3	21.4	22.6	22.9
8H	21.8	23.0	22.1	23.3	23.6	21.2	22.4	21.5	22.7	23.0
12H	21.9	23.0	22.2	23.3	23.6	21.3	22.4	21.6	22.7	23.0
4H 2H	19.6	20.9	19.9	21.2	21.4	19.4	20.7	19.7	21.0	21.3
3H	21.3	22.5	21.7	22.8	23.1	21.0	22.2	21.3	22.5	22.8
4H	22.1	23.1	22.4	23.5	23.8	21.6	22.7	22.0	23.0	23.4
6H	22.6	23.6	23.0	23.9	24.3	22.1	23.0	22.5	23.4	23.8
8H	22.8	23.7	23.2	24.0	24.4	22.2	23.1	22.6	23.5	23.9
12H	22.9	23.7	23.4	24.1	24.5	22.4	23.2	22.8	23.6	24.0
8H 4H	22.3	23.2	22.7	23.5	23.9	21.9	22.8	22.3	23.1	23.5
6H	23.0	23.7	23.4	24.1	24.5	22.5	23.2	22.9	23.6	24.1
8H	23.2	23.9	23.7	24.3	24.8	22.7	23.4	23.2	23.8	24.3
12H	23.4	24.0	23.9	24.4	24.9	22.9	23.5	23.4	23.9	24.4
12H 4H	22.3	23.1	22.7	23.5	23.9	21.9	22.7	22.3	23.1	23.5
6H	23.0	23.7	23.5	24.1	24.5	22.5	23.2	23.0	23.6	24.1
8H	23.3	23.9	23.8	24.3	24.8	22.8	23.4	23.3	23.8	24.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.4				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 1776 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.0)

Test System:HOPPO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2020/11/20

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: 2020112001

MANUFACTURER: lightstec	Address:China		
NAME: 2835-160-24-8LEDs	TYPE:LED strip light	WEIGHT:20	
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112001	

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	45	38	56	45	38	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
1.00	76	65	57	74	64	57	72	65	56	49
1.25	83	72	65	81	72	65	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	74
3.00	102	95	90	100	94	88	96	91	86	78
4.00	106	100	96	104	99	94	99	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

Test System:HOPPO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2020/11/20

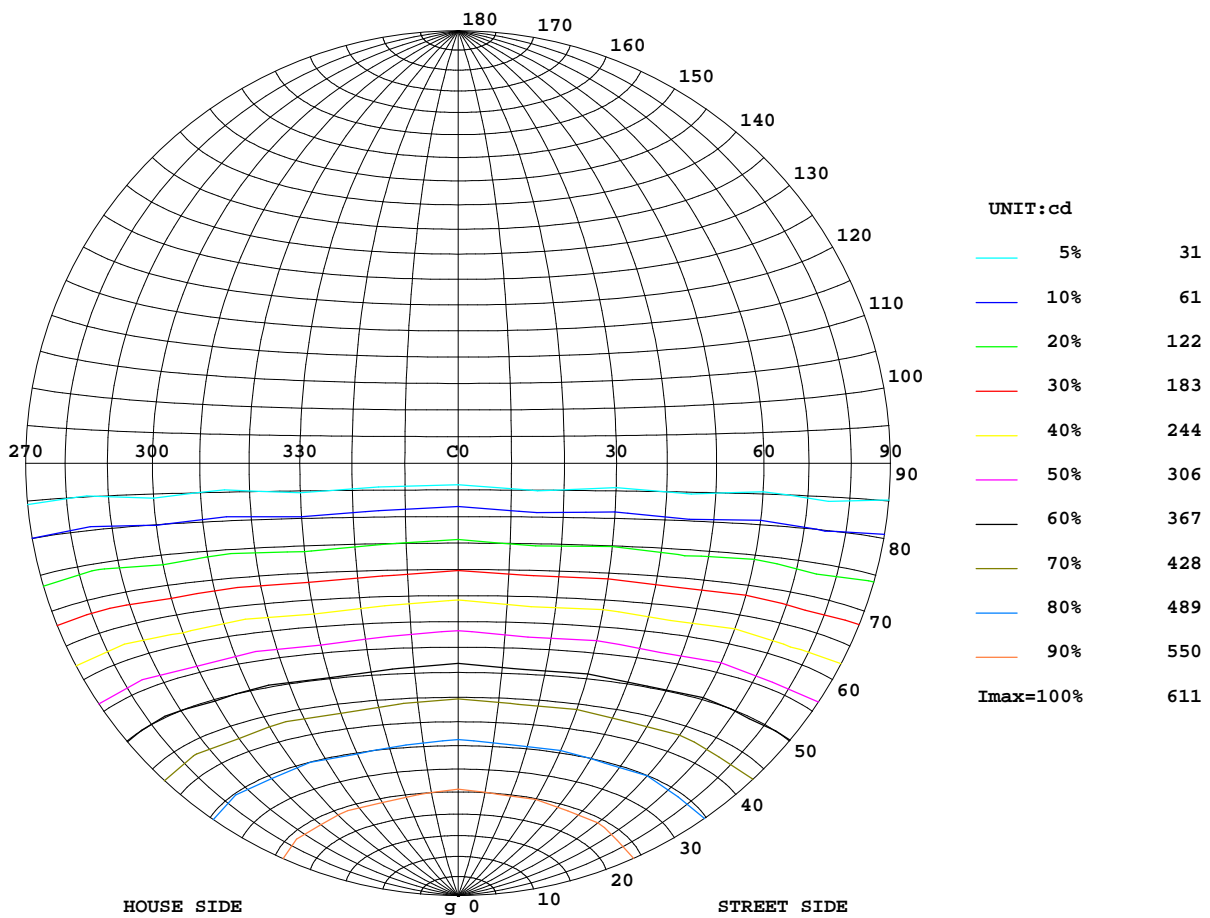
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number: 2020112001

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112001



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2020/11/20

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

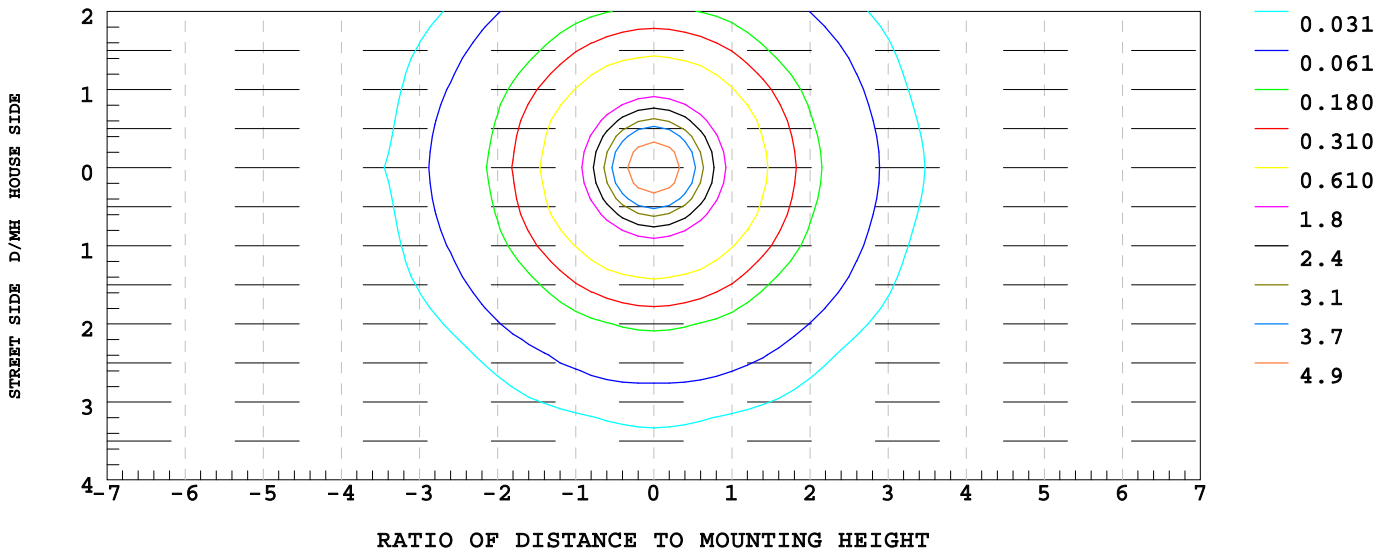
HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number: 2020112001

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112001

ILLUMINANCE AT MH=10 m,Enadir = 6.11 lx



Test System:HOPPO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2020/11/20

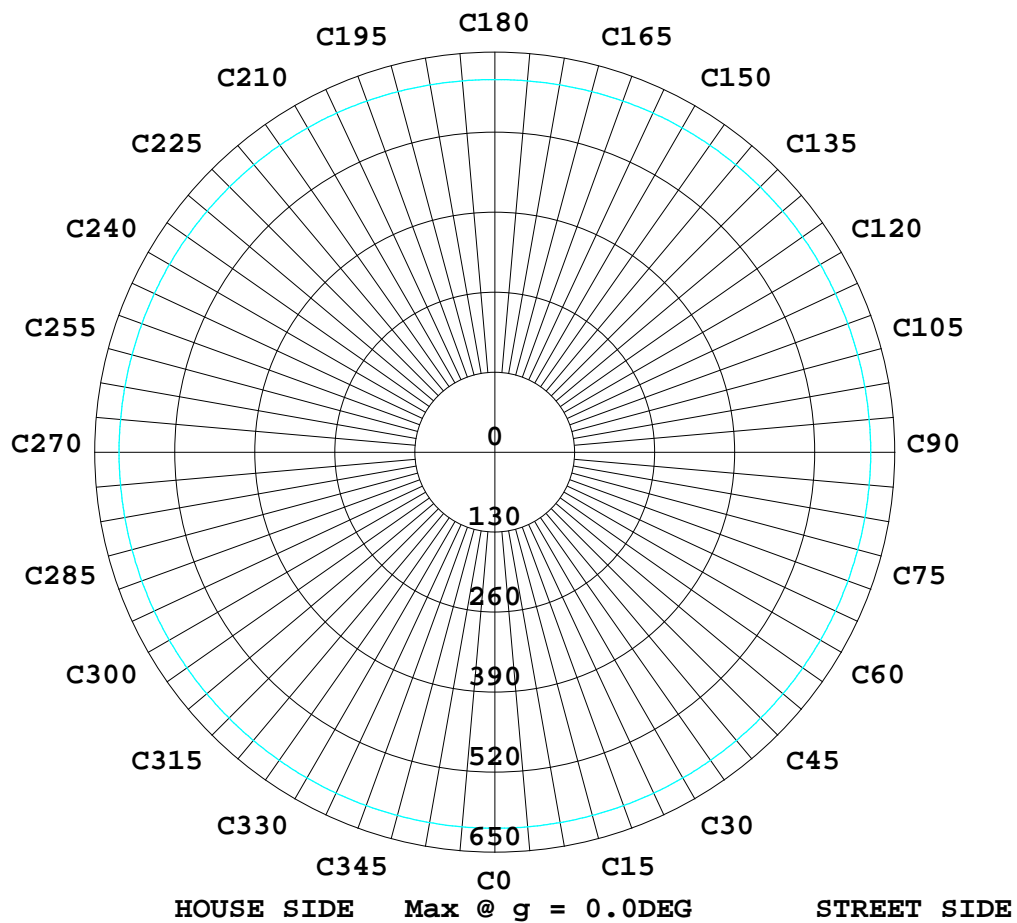
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number: 2020112001

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112001



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2020/11/20

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: 2020112001

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112001

UNIT: cd

g (DEG)	C(DEG)														
	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	611	611	611	611	611	611	611	611	611	610	609	607	606	607	609
5.0	609	608	608	607	607	607	607	607	608	607	607	605	604	605	607
10.0	602	600	600	599	599	598	599	599	600	599	600	598	598	598	600
15.0	590	588	588	586	586	585	585	585	587	587	588	587	587	587	588
20.0	574	570	571	568	569	566	568	567	570	570	572	570	572	570	572
25.0	553	549	549	546	546	544	545	545	548	548	551	550	551	550	551
30.0	527	523	522	519	519	516	518	517	521	522	525	524	527	524	525
35.0	498	493	493	487	489	484	487	485	491	490	496	494	498	494	496
40.0	463	458	457	452	453	448	451	450	456	456	461	461	465	461	461
45.0	425	418	418	412	413	407	411	409	416	416	422	421	427	421	422
50.0	383	376	376	369	370	364	368	366	374	373	381	380	386	380	381
55.0	337	328	329	321	323	315	320	317	326	325	334	333	340	333	334
60.0	287	277	278	269	271	263	269	265	274	273	283	282	291	282	283
65.0	236	225	227	217	219	209	217	210	223	221	232	230	240	230	232
70.0	181	172	172	164	152	158	151	159	168	168	177	178	185	178	177
75.0	129	117	120	110	114	105	111	105	117	113	125	122	134	122	125
80.0	79.1	68.8	72.3	63.6	67.6	60.0	65.6	61.0	70.2	67.1	77.2	74.4	83.8	74.4	77.2
85.0	36.1	29.6	33.4	28.6	32.3	27.0	31.0	28.1	34.6	32.1	38.2	34.9	40.1	34.9	38.2
90.0	9.34	10.3	12.6	11.7	13.8	12.1	13.6	13.1	16.5	15.2	17.2	14.4	14.2	14.4	17.2

Test System:HOPPO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2020/11/20

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: 2020112001

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112001

UNIT: cd

C(DEG)\g (DEG)	225	240	255	270	285	300	315	330	345
0.0	610	611	611	611	611	611	611	611	611
5.0	607	608	607	607	607	607	607	608	608
10.0	599	600	599	599	598	599	599	600	600
15.0	587	587	585	585	585	586	586	588	588
20.0	570	570	567	568	566	569	568	571	570
25.0	548	548	545	545	544	546	546	549	549
30.0	522	521	517	518	516	519	519	522	523
35.0	490	491	485	487	484	489	487	493	493
40.0	456	456	450	451	448	453	452	457	458
45.0	416	416	409	411	407	413	412	418	418
50.0	373	374	366	368	364	370	369	376	376
55.0	325	326	317	320	315	323	321	329	328
60.0	273	274	265	269	263	271	269	278	277
65.0	221	223	210	217	209	219	217	227	225
70.0	168	168	159	151	158	152	164	172	172
75.0	113	117	105	111	105	114	110	120	117
80.0	67.1	70.2	61.0	65.6	60.0	67.6	63.6	72.3	68.8
85.0	32.1	34.6	28.1	31.0	27.0	32.3	28.6	33.4	29.6
90.0	15.2	16.5	13.1	13.6	12.1	13.8	11.7	12.6	10.3

Test System:HOPPO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2020/11/20

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