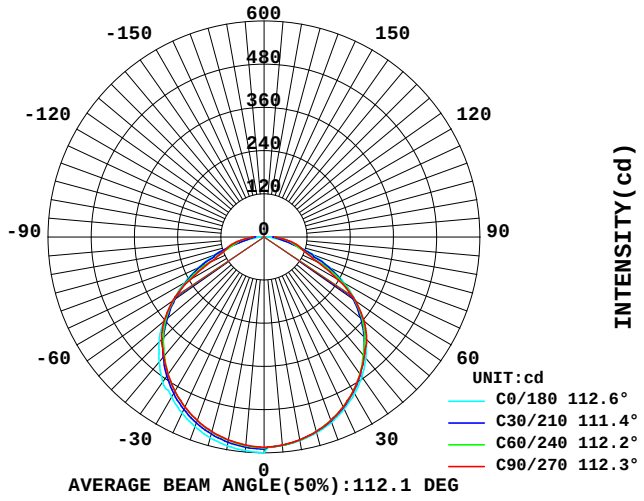
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 2020112002

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs-IP65	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112002

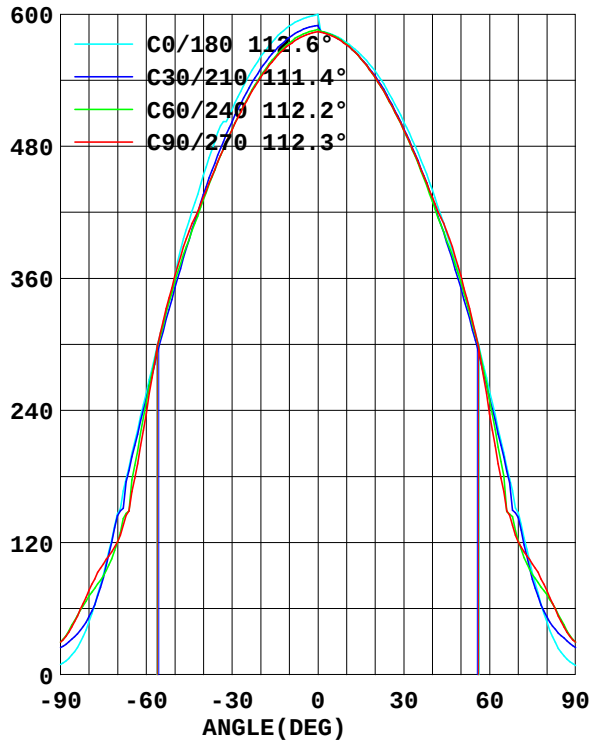
DATA OF LAMP		Imax(cd)	599.6	S/MH(C0/180)	1.28
MODEL	2835	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.26
NOMINAL POWER(W)	16	TOTAL FLUX(lm)	1641.6	Voltage(V)	24.00
RATED VOLTAGE(V)	25	EFFICIENCY(lm/W)	110.0	Current(A)	0.622
NOMINAL FLUX(lm)	1641.7	h up(%)	0.0	Power(W)	14.93
LAMPS QUANTITY	1	h down(%)	100.0	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effictive Flux(lm)	1601.9	EEI	0.127

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):112.1 DEG

LUMINOUS INTENSITY DISTRIBUTION



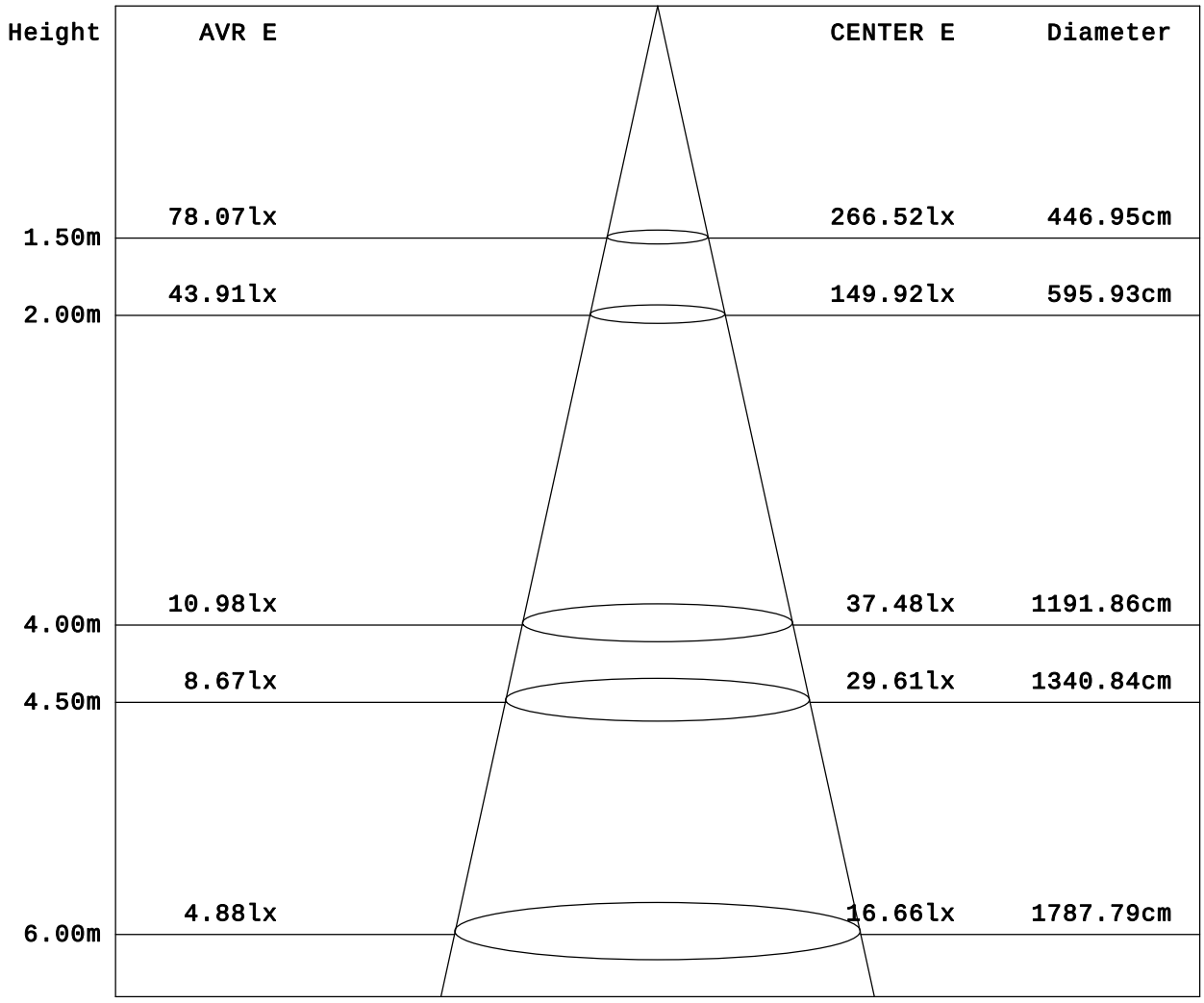
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2020/11/20

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

AVERAGE AND CENTER E Figure

Report number: 2020112002

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs-IP65	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112002



Angle:112.3deg

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:

ZONAL FLUX DIAGRAM

Report number: 2020112002

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs-IP65	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112002

g	C0	C45	C90	C135	C180	C225	C270	C315	g	zone	total
5.0	595.6	582.4	579.7	579.7	581.1	579.7	579.7	582.4	0- 5	13.95	13.95
10.0	588.9	574.5	572.0	571.2	574.0	571.2	572.0	574.5	5- 10	41.36	55.31
15.0	577.1	561.7	559.2	558.0	562.8	558.0	559.2	561.7	10- 15	67.37	122.6
20.0	561.0	544.1	542.2	540.4	548.0	540.4	542.2	544.1	15- 20	91.18	213.8
25.0	539.6	522.6	520.5	519.3	527.2	519.3	520.5	522.6	20- 25	111.9	325.8
30.0	512.9	496.0	494.4	492.4	501.8	492.4	494.4	496.0	25- 30	129.0	454.9
35.0	492.1	464.5	465.6	461.2	474.0	461.2	465.6	464.5	30- 35	141.9	596.8
40.0	453.3	429.9	433.2	426.8	439.9	426.8	433.2	429.9	35- 40	150.0	746.8
45.0	412.0	390.2	402.6	388.3	400.8	388.3	402.6	390.2	40- 45	153.2	900.1
50.0	358.9	349.3	361.9	348.9	359.0	348.9	361.9	349.3	45- 50	151.4	1052
55.0	309.4	300.5	310.4	301.0	310.2	301.0	310.4	300.5	50- 55	142.7	1194
60.0	255.4	247.1	236.8	248.8	257.4	248.8	236.8	247.1	55- 60	127.2	1322
65.0	200.9	189.6	166.0	190.8	201.3	190.8	166.0	189.6	60- 65	104.5	1426
70.0	146.0	123.7	120.5	123.9	146.9	123.9	120.5	123.7	65- 70	77.57	1504
75.0	90.43	78.14	100.5	79.04	92.03	79.04	100.5	78.14	70- 75	56.00	1560
80.0	48.06	57.53	76.67	58.36	48.38	58.36	76.67	57.53	75- 80	39.24	1599
85.0	20.92	42.68	48.12	43.07	20.22	43.07	48.12	42.68	80- 85	26.28	1625
90.0	9.087	27.39	29.37	27.13	8.191	27.13	29.37	27.39	85- 90	16.38	1642
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:

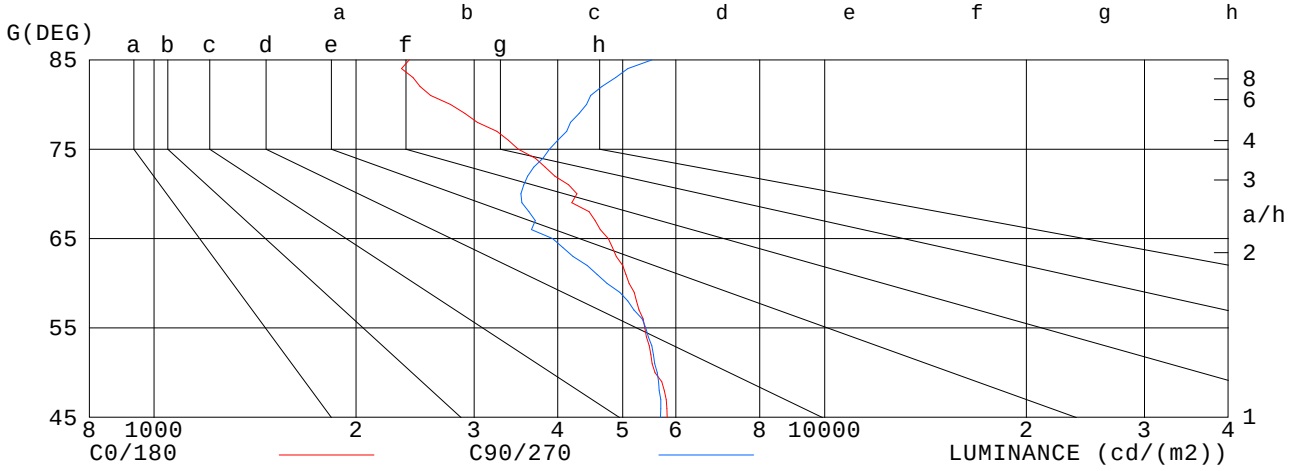
LUMINANCE LIMITATION CURVES

Report number: 2020112002

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs-IP65	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112002

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
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2401	5522
80	2768	4415
75	3494	3885
70	4270	3525
65	4755	3930
60	5108	4736
55	5395	5412
50	5584	5631
45	5827	5694

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Operators:
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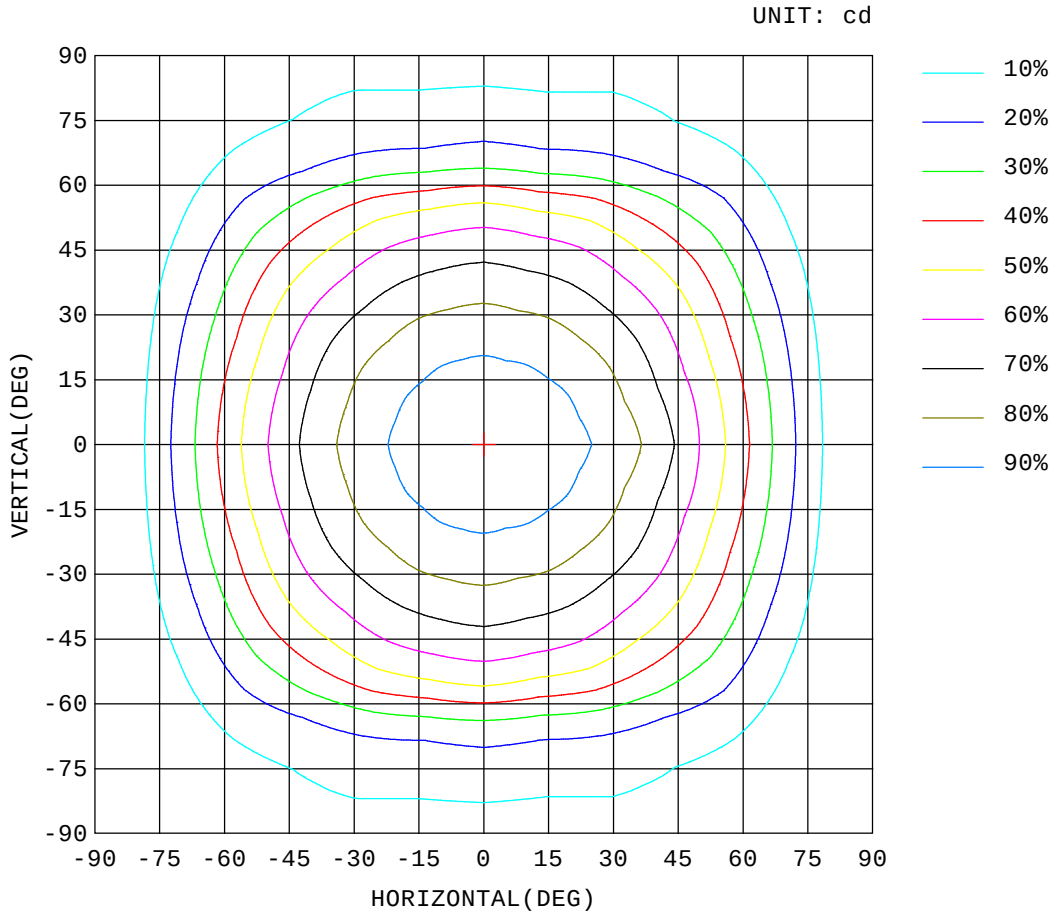
ISOCANDELA DIAGRAM

Report number: 2020112002

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs-IP65	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112002



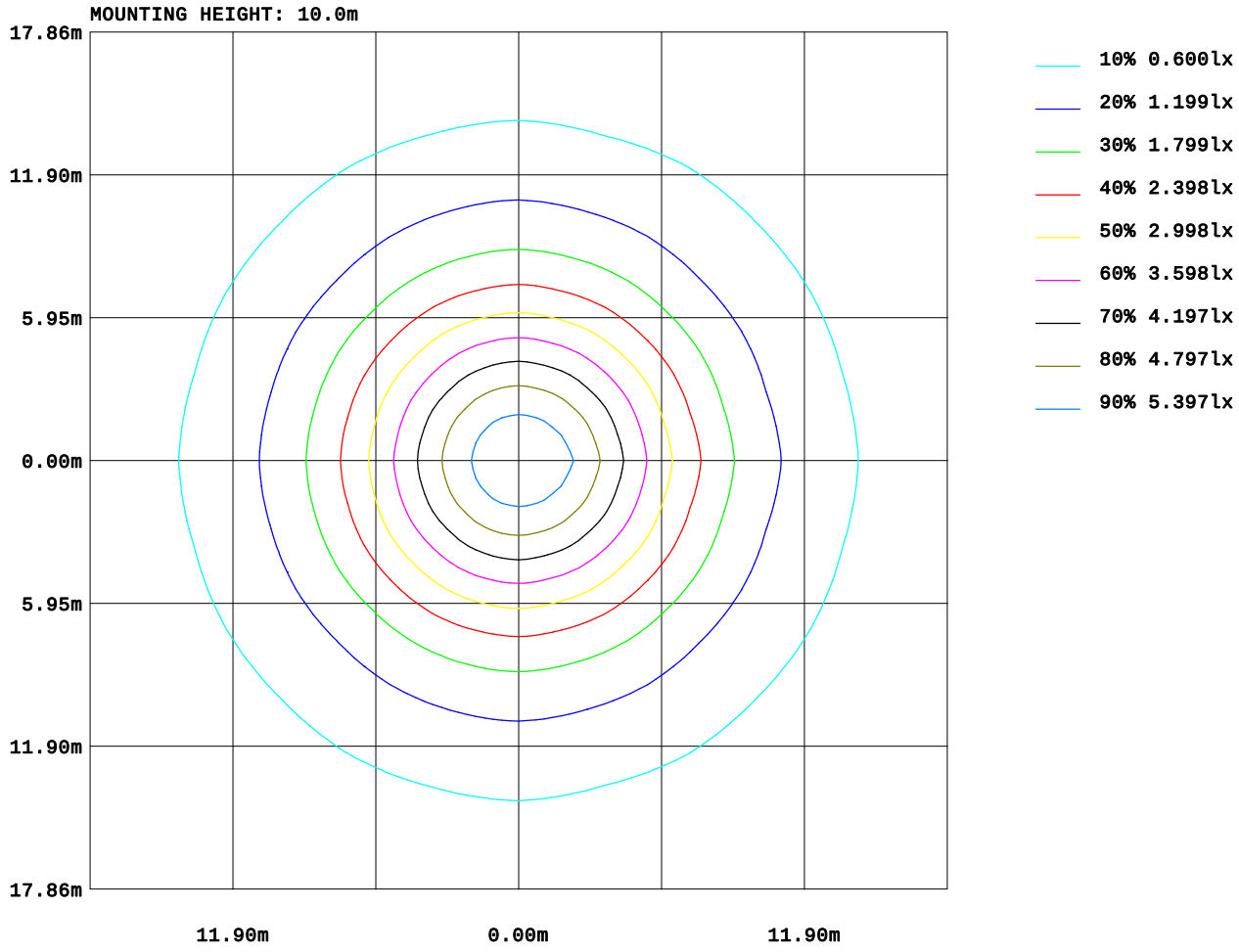
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2020/11/20

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

ISOLUX DIAGRAM

Report number: 2020112002

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs-IP65	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112002



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:

AREA LUMINOUS FLUX

Report number: 2020112002

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs-IP65	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112002

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-90	-80	-70	-60	-50	-40	-30	-20	20	30	40	50	60	70	80	90	F t	F a
90	0.03	0.13	0.32	0.56	0.81	1.09	1.28	1.36	1.47	1.45	1.32	1.26	1.08	0.81	0.56	0.31	0.12	0.03	14.0	2.62
80	0.04	0.16	0.45	0.86	1.31	1.88	2.38	2.69	2.94	2.92	2.64	2.34	1.85	1.29	0.85	0.44	0.16	0.04	25.2	21.1
70	0.04	0.22	0.66	1.38	2.20	3.17	4.03	4.64	5.07	5.05	4.59	3.99	3.15	2.19	1.39	0.66	0.22	0.04	42.7	41.1
60	0.05	0.30	1.00	2.26	3.84	5.60	7.25	8.37	9.13	9.07	8.26	7.19	5.56	3.84	2.29	1.01	0.30	0.05	75.4	74.5
50	0.05	0.41	1.42	3.19	5.39	7.61	9.68	11.1	12.0	11.9	11.1	9.68	7.59	5.37	3.20	1.42	0.41	0.06	102	101
40	0.06	0.53	1.82	4.00	6.59	9.13	11.3	13.0	13.9	13.9	13.0	11.4	9.16	6.57	3.99	1.82	0.53	0.06	121	121
30	0.07	0.63	2.19	4.57	7.48	10.3	12.7	14.6	15.6	15.6	14.6	12.8	10.4	7.48	4.55	2.19	0.63	0.07	137	137
	0.07	0.72	2.44	5.05	8.10	11.1	13.8	15.7	16.8	16.8	15.8	13.9	11.2	8.13	5.03	2.43	0.71	0.07	148	148
	0.08	0.77	2.58	5.35	8.52	11.6	14.3	16.3	17.4	17.5	16.6	14.6	11.9	8.68	5.33	2.58	0.76	0.08	155	155
	0.08	0.77	2.58	5.35	8.52	11.6	14.3	16.3	17.4	17.5	16.6	14.6	11.9	8.68	5.33	2.58	0.76	0.08	155	155
	0.07	0.72	2.44	5.05	8.10	11.1	13.8	15.7	16.8	16.8	15.8	13.9	11.2	8.13	5.03	2.43	0.71	0.07	148	148
-30	0.07	0.63	2.19	4.57	7.48	10.3	12.7	14.6	15.6	15.6	14.6	12.8	10.4	7.48	4.55	2.19	0.63	0.07	137	137
-40	0.06	0.53	1.82	4.00	6.59	9.13	11.3	13.0	13.9	13.9	13.0	11.4	9.16	6.57	3.99	1.82	0.53	0.06	121	121
-50	0.05	0.41	1.42	3.19	5.39	7.61	9.68	11.1	12.0	11.9	11.1	9.68	7.59	5.37	3.20	1.42	0.41	0.06	102	101
-60	0.05	0.30	1.00	2.26	3.84	5.60	7.25	8.37	9.13	9.07	8.26	7.19	5.56	3.84	2.29	1.01	0.30	0.05	75.4	74.5
-70	0.04	0.22	0.66	1.38	2.20	3.17	4.03	4.64	5.07	5.05	4.59	3.99	3.15	2.19	1.39	0.66	0.22	0.04	42.7	41.1
-80	0.04	0.16	0.45	0.86	1.31	1.88	2.38	2.69	2.94	2.92	2.64	2.34	1.85	1.29	0.85	0.44	0.16	0.04	25.2	21.1
-90	0.03	0.13	0.32	0.56	0.81	1.09	1.28	1.36	1.47	1.45	1.32	1.26	1.08	0.81	0.56	0.31	0.12	0.03	14.0	2.62
HORIZONTAL(DEG)																				
F t	0.98	7.75	25.8	54.5	88.5	123	154	176	189	189	176	155	124	88.7	54.4	25.7	7.70	0.99	1642	
F a	0.00	4.88	23.0	51.6	85.7	121	152	174	187	187	174	153	122	85.9	51.6	23.1	4.85	0.00		1602

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

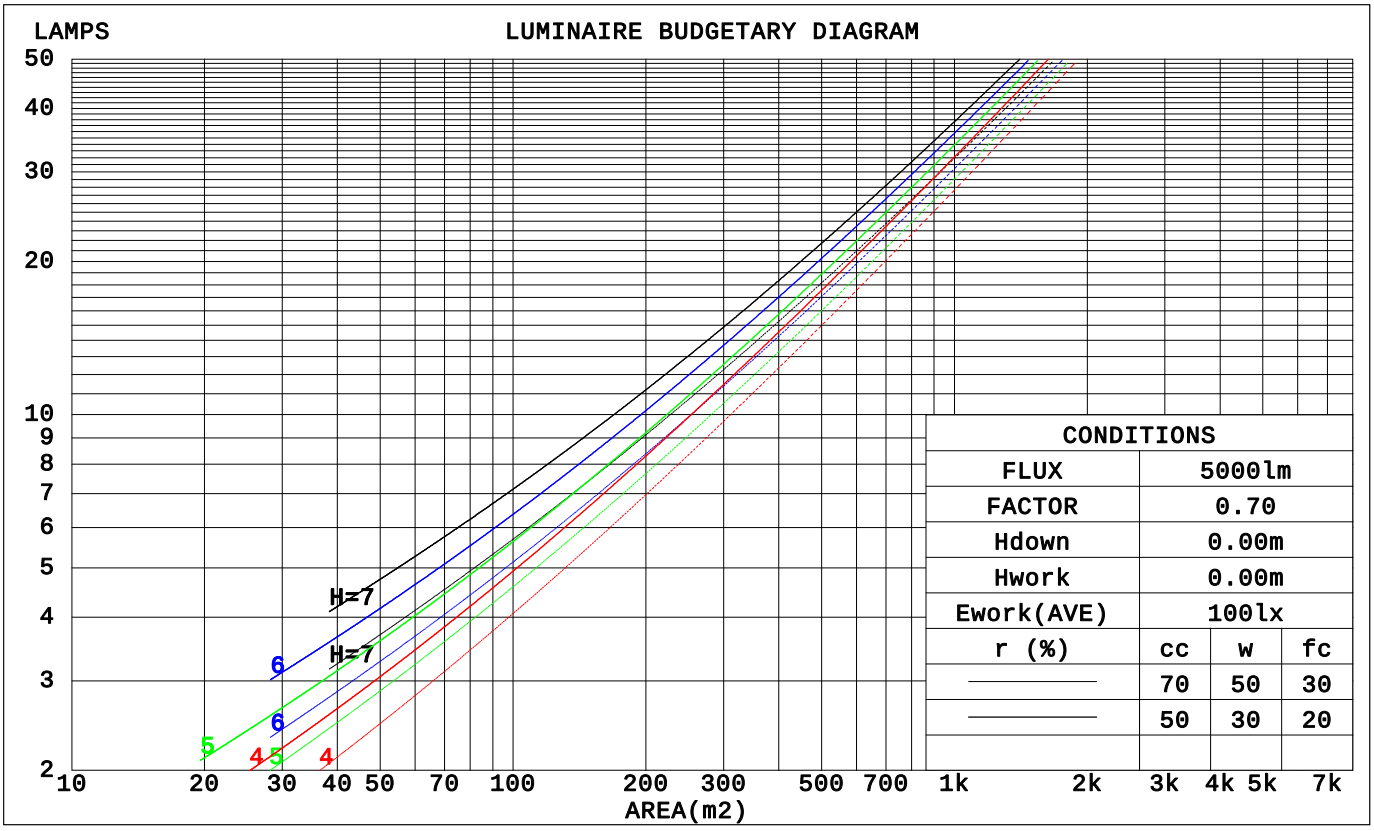
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number: 2020112002

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs-IP65	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112002

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	.00	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.83	.77	.85	.80	.76	.82	.78	.74	.79	.75	.72	.70
3.0	.80	.72	.65	.78	.71	.65	.75	.69	.64	.73	.67	.62	.70	.65	.61	.59
4.0	.71	.62	.55	.70	.61	.55	.67	.60	.54	.65	.59	.54	.63	.57	.53	.51
5.0	.63	.54	.48	.62	.54	.47	.60	.53	.47	.58	.52	.46	.56	.51	.46	.44
6.0	.57	.48	.42	.56	.48	.41	.54	.47	.41	.53	.46	.41	.51	.45	.40	.38
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.36	.48	.41	.36	.47	.40	.36	.34
8.0	.47	.39	.33	.46	.38	.33	.45	.38	.33	.44	.37	.32	.43	.37	.32	.30
9.0	.43	.35	.30	.43	.35	.29	.42	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.26	.37	.31	.26	.25



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:

WEC AND CCEC

Report number: 2020112002

MANUFACTURER: lightstec	Address:China	
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SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112002

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 Coeffcients(WEC)									
0.0																
1.0	.309	.175	.056	.302	.172	.055	.288	.165	.053	.276	.159	.051	.265	.153	.049	
2.0	.288	.158	.048	.282	.155	.048	.270	.150	.047	.259	.146	.046	.250	.141	.044	
3.0	.267	.142	.042	.261	.140	.042	.251	.136	.041	.241	.132	.041	.232	.129	.040	
4.0	.246	.128	.038	.242	.126	.037	.232	.123	.037	.224	.120	.036	.216	.117	.036	
5.0	.228	.116	.034	.224	.115	.033	.216	.112	.033	.208	.110	.033	.201	.107	.032	
6.0	.212	.106	.030	.208	.105	.030	.201	.103	.030	.194	.101	.030	.188	.099	.029	
7.0	.197	.098	.028	.194	.097	.028	.188	.095	.027	.182	.093	.027	.176	.091	.027	
8.0	.185	.090	.025	.182	.089	.025	.176	.088	.025	.170	.086	.025	.165	.085	.025	
9.0	.173	.084	.023	.170	.083	.023	.165	.082	.023	.160	.080	.023	.156	.079	.023	
10.0	.163	.078	.022	.160	.077	.022	.156	.076	.021	.151	.075	.021	.147	.074	.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	.180	.156	.134	.154	.134	.116	.105	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.172	.132	.098	.147	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.164	.114	.075	.140	.099	.065	.096	.068	.045	.056	.040	.027	.018	.013	.009	
4.0	.156	.101	.059	.134	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.149	.090	.047	.128	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.128	.069	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.004	
9.0	.122	.064	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.023	.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:

Uncorrected UGR Table

Report number: 2020112002

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs-IP65	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112002

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	18.6	20.2	18.9	20.4	20.6	18.4	20.0	18.7	20.2	20.4
	3H	19.9	21.3	20.2	21.5	21.8	19.4	20.8	19.7	21.0	21.2
	4H	20.3	21.6	20.6	21.9	22.2	19.9	21.2	20.2	21.5	21.7
	6H	20.5	21.8	20.9	22.1	22.3	20.5	21.7	20.8	22.0	22.3
	8H	20.6	21.8	20.9	22.1	22.4	20.8	22.0	21.1	22.3	22.6
	12H	20.6	21.8	21.0	22.1	22.4	21.1	22.2	21.4	22.5	22.8
4H	2H	19.2	20.5	19.5	20.7	21.0	19.0	20.3	19.3	20.5	20.8
	3H	20.6	21.7	20.9	22.0	22.3	20.0	21.2	20.4	21.5	21.8
	4H	21.1	22.1	21.5	22.5	22.8	20.7	21.8	21.1	22.1	22.4
	6H	21.4	22.3	21.8	22.7	23.0	21.5	22.4	21.9	22.8	23.1
	8H	21.5	22.4	21.9	22.7	23.1	21.8	22.7	22.3	23.1	23.5
	12H	21.5	22.4	22.0	22.7	23.1	22.2	23.0	22.6	23.4	23.8
8H	4H	21.2	22.1	21.6	22.5	22.9	20.9	21.8	21.3	22.1	22.5
	6H	21.7	22.4	22.1	22.8	23.2	21.9	22.6	22.3	23.0	23.4
	8H	21.9	22.5	22.3	22.9	23.4	22.4	23.1	22.9	23.5	23.9
	12H	22.0	22.6	22.5	23.0	23.5	22.9	23.5	23.4	23.9	24.4
12H	4H	21.3	22.1	21.7	22.4	22.8	20.9	21.7	21.3	22.1	22.5
	6H	21.8	22.4	22.2	22.8	23.3	21.9	22.6	22.4	23.0	23.5
	8H	22.0	22.6	22.5	23.0	23.5	22.5	23.1	23.0	23.6	24.0

Variations with the observer position at spacings:		
S = 1.0H	+ 0.2 / - 0.2	+ 0.3 / - 0.2
1.5H	+ 0.2 / - 0.2	+ 0.3 / - 0.4
2.0H	+ 0.3 / - 0.4	+ 0.3 / - 0.4

CIE Pub.117 Corrected 1642 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.7)

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:

UTILIZATION FACTORS TABLE

Report number: 2020112002

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs-IP65	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112002

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) x RCR = 5									
k = 0.60	58	46	39	57	46	39	56	45	39	33
0.80	68	56	49	67	56	49	65	55	49	42
1.00	77	66	58	75	65	58	73	66	58	50
1.25	84	73	66	82	73	66	80	71	65	58
1.50	89	79	72	87	78	71	84	76	70	63
2.00	95	87	81	94	86	80	90	84	78	71
2.50	99	91	86	97	90	85	93	87	83	75
3.00	102	96	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	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	

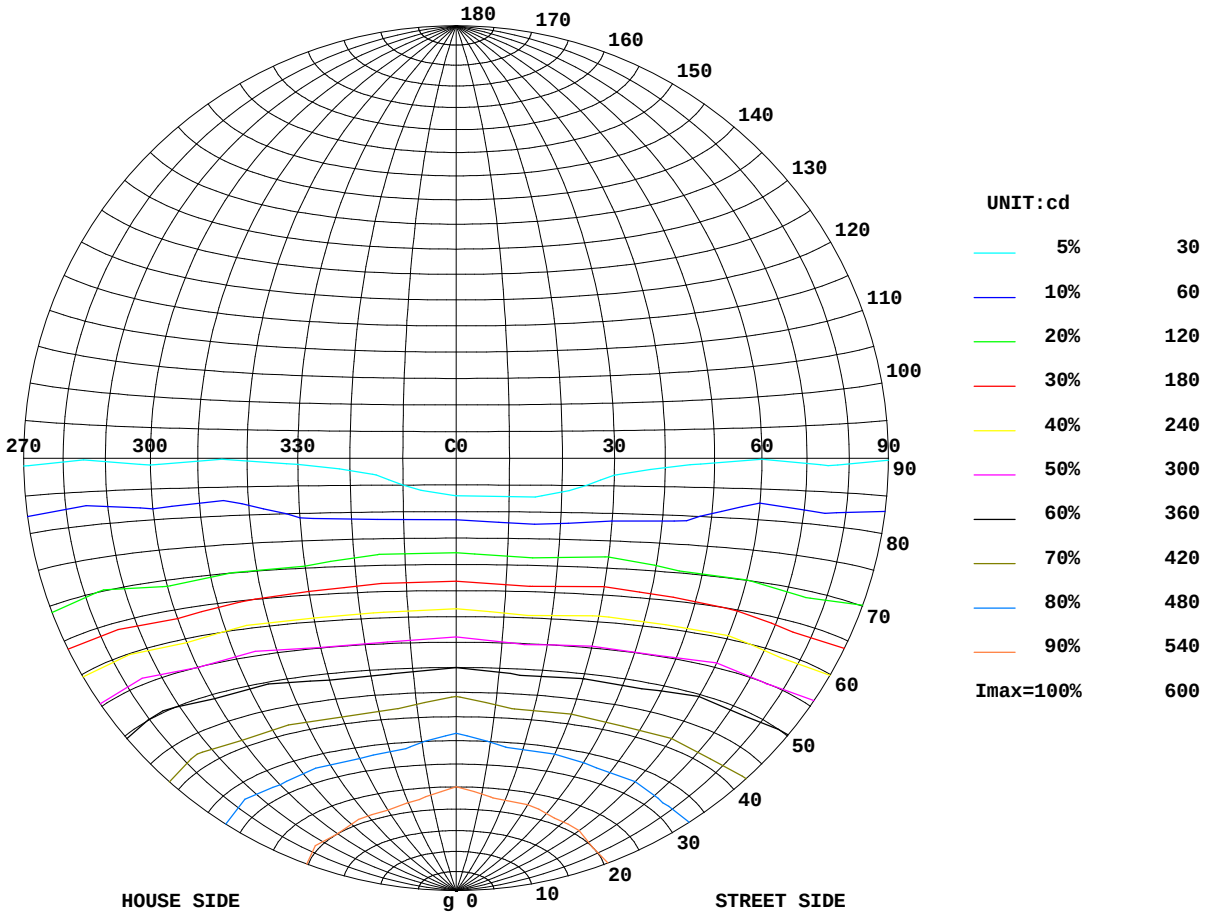
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2020/11/20

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

ISOCANDELA DIAGRAM

Report number: 2020112002

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs-IP65	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112002



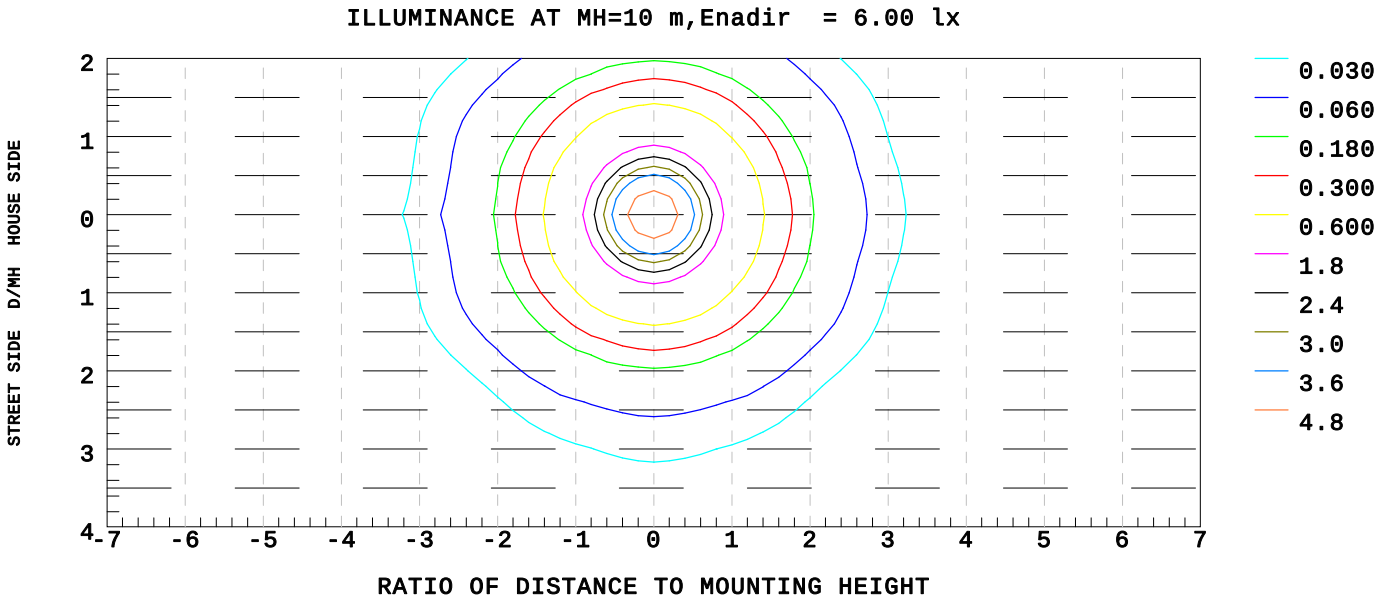
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2020/11/20

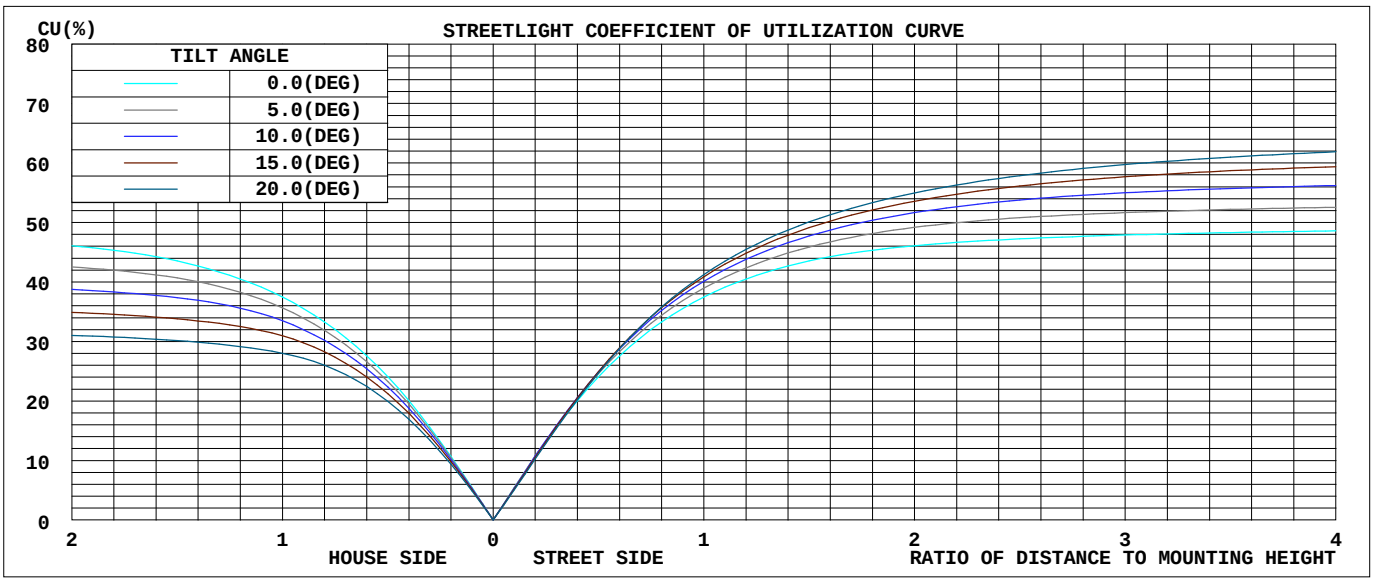
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

ISOLUX DIAGRAM

Report number: 2020112002

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs-IP65	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112002





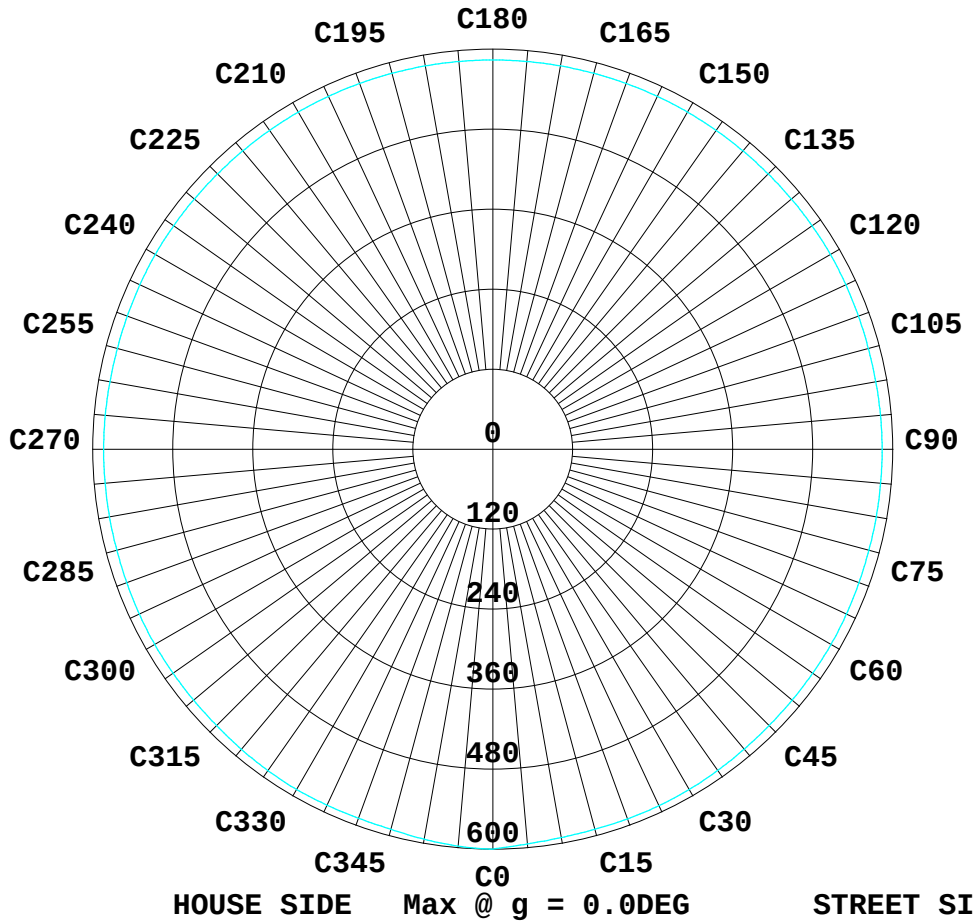
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2020/11/20

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

ISOCANDELA DIAGRAM

Report number: 2020112002

MANUFACTURER: lightstec	Address:China	
NAME: 2835-160-24-8LEDs-IP65	TYPE:LED strip light	WEIGHT:20
SPECIFICATION:30K-G,3000K,RA90	DIMENSION: 1M	SERIAL No.:2020112002



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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2020112002

MANUFACTURER: lightstec	**Address:China**	
NAME: 2835-160-24-8LEDs-IP65	**TYPE:LED strip light**	**WEIGHT:20**
SPECIFICATION:30K-G,3000K,RA90	**DIMENSION: 1M**	**SERIAL No.:2020112002**

UNIT: cd

C(DEG) / g (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	600	590	589	586	586	584	584	583	585	584	584	584	584	584	584
5.0	596	588	586	582	582	579	580	579	581	580	581	580	581	580	581
10.0	589	581	578	575	574	571	572	571	572	571	572	572	574	572	572
15.0	577	569	566	562	561	558	559	558	559	558	560	560	563	560	560
20.0	561	551	550	544	544	540	542	540	542	540	544	544	548	544	544
25.0	540	531	528	523	521	518	521	519	520	519	522	523	527	523	522
30.0	513	504	502	496	495	491	494	493	494	492	496	497	502	497	496
35.0	492	472	472	465	465	460	466	462	465	461	467	466	474	466	467
40.0	453	436	436	430	431	428	433	429	430	427	432	432	440	432	432
45.0	412	393	395	390	395	394	403	397	394	388	393	392	401	392	393
50.0	359	348	351	349	357	353	362	356	356	349	351	349	359	349	351
55.0	309	298	303	301	307	299	310	304	308	301	303	299	310	299	303
60.0	255	244	250	247	247	228	237	233	249	249	251	245	257	245	251
65.0	201	207	198	190	177	161	166	164	180	191	198	207	201	207	198
70.0	146	135	144	124	120	113	121	115	122	124	143	135	147	135	143
75.0	90.4	82.4	87.8	78.1	89.6	91.3	101	93.8	90.9	79.0	86.3	82.3	92.0	82.3	86.3
80.0	48.0	44.4	52.7	57.5	71.4	69.5	76.6	71.6	72.8	58.3	52.7	44.1	48.3	44.1	52.7
85.0	20.9	22.0	34.4	42.6	49.0	43.5	48.1	45.0	49.8	43.0	35.3	22.2	20.2	22.2	35.3
90.0	9.08	13.6	24.4	27.3	29.5	28.0	29.3	28.2	29.3	27.1	24.6	14.4	8.19	14.4	24.6

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2020112002

MANUFACTURER: lightstec	**Address:China**	
NAME: 2835-160-24-8LEDs-IP65	**TYPE:LED strip light**	**WEIGHT:20**
SPECIFICATION:30K-G,3000K,RA90	**DIMENSION: 1M**	**SERIAL No.:2020112002**

UNIT: cd

C(DEG) / g (DEG)	225	240	255	270	285	300	315	330	345
0.0	584	585	583	584	584	586	586	589	590
5.0	580	581	579	580	579	582	582	586	588
10.0	571	572	571	572	571	574	575	578	581
15.0	558	559	558	559	558	561	562	566	569
20.0	540	542	540	542	540	544	544	550	551
25.0	519	520	519	521	518	521	523	528	531
30.0	492	494	493	494	491	495	496	502	504
35.0	461	465	462	466	460	465	465	472	472
40.0	427	430	429	433	428	431	430	436	436
45.0	388	394	397	403	394	395	390	395	393
50.0	349	356	356	362	353	357	349	351	348
55.0	301	308	304	310	299	307	301	303	298
60.0	249	249	233	237	228	247	247	250	244
65.0	191	180	164	166	161	177	190	198	207
70.0	124	122	115	121	113	120	124	144	135
75.0	79.0	90.9	93.8	101	91.3	89.6	78.1	87.8	82.4
80.0	58.3	72.8	71.6	76.6	69.5	71.4	57.5	52.7	44.4
85.0	43.0	49.8	45.0	48.1	43.5	49.0	42.6	34.4	22.0
90.0	27.1	29.3	28.2	29.3	28.0	29.5	27.3	24.4	13.6

Test System:HOPOO HPG1800 **Test Set: 8.0deg/s C-Gamma (TYPE C)**
Temperature:25.3DEG **Humidity:65.0%**
Operators: **Test Distance:8.000 m**
Test Date:2020/11/20 **Remarks:**