

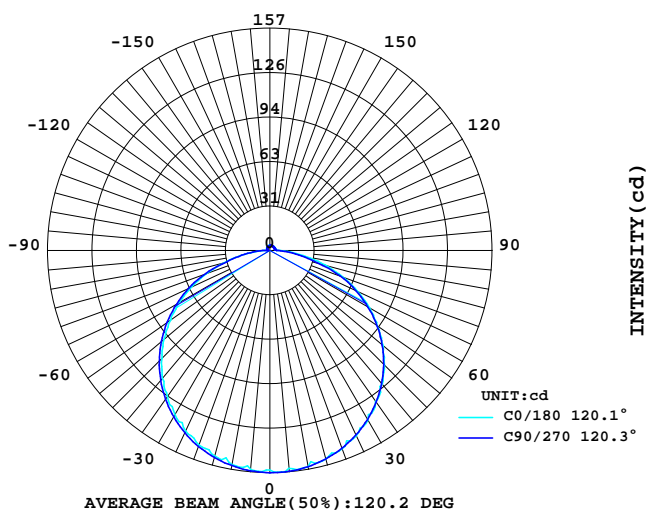
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

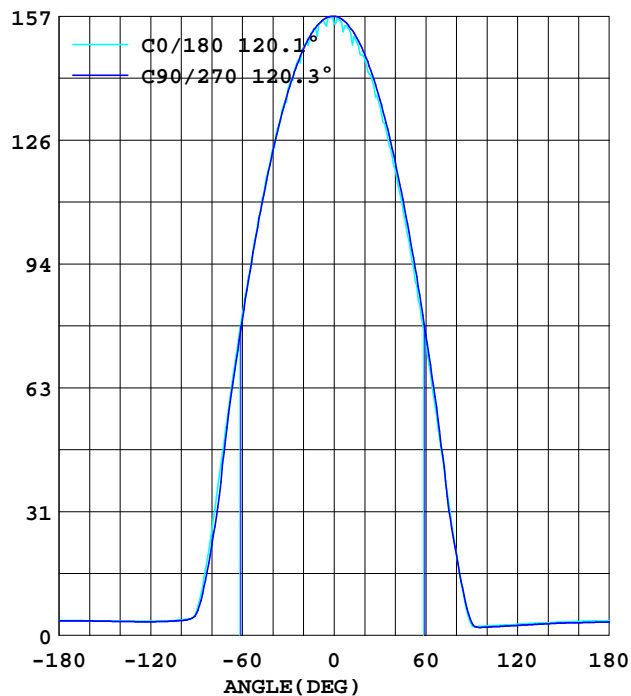
MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 2700K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 2700	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230111002

DATA OF LAMP		Imax(cd)	157.5	S/MH(C0/180)	1.33
MODEL	2835	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.31
NOMINAL POWER(W)	3	TOTAL FLUX(lm)	509.19	Voltage(V)	23.96
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	149.3	Current(A)	0.142
NOMINAL FLUX(lm)	509.2	h up(%)	4.0	Power(W)	3.410
LAMPS QUANTITY	1	h down(%)	96.0	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	482.0	EEL	0.079

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023年01月11日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.800 m  
 Remarks:

Color Temperature Data List

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 2700K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 2700	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230111002

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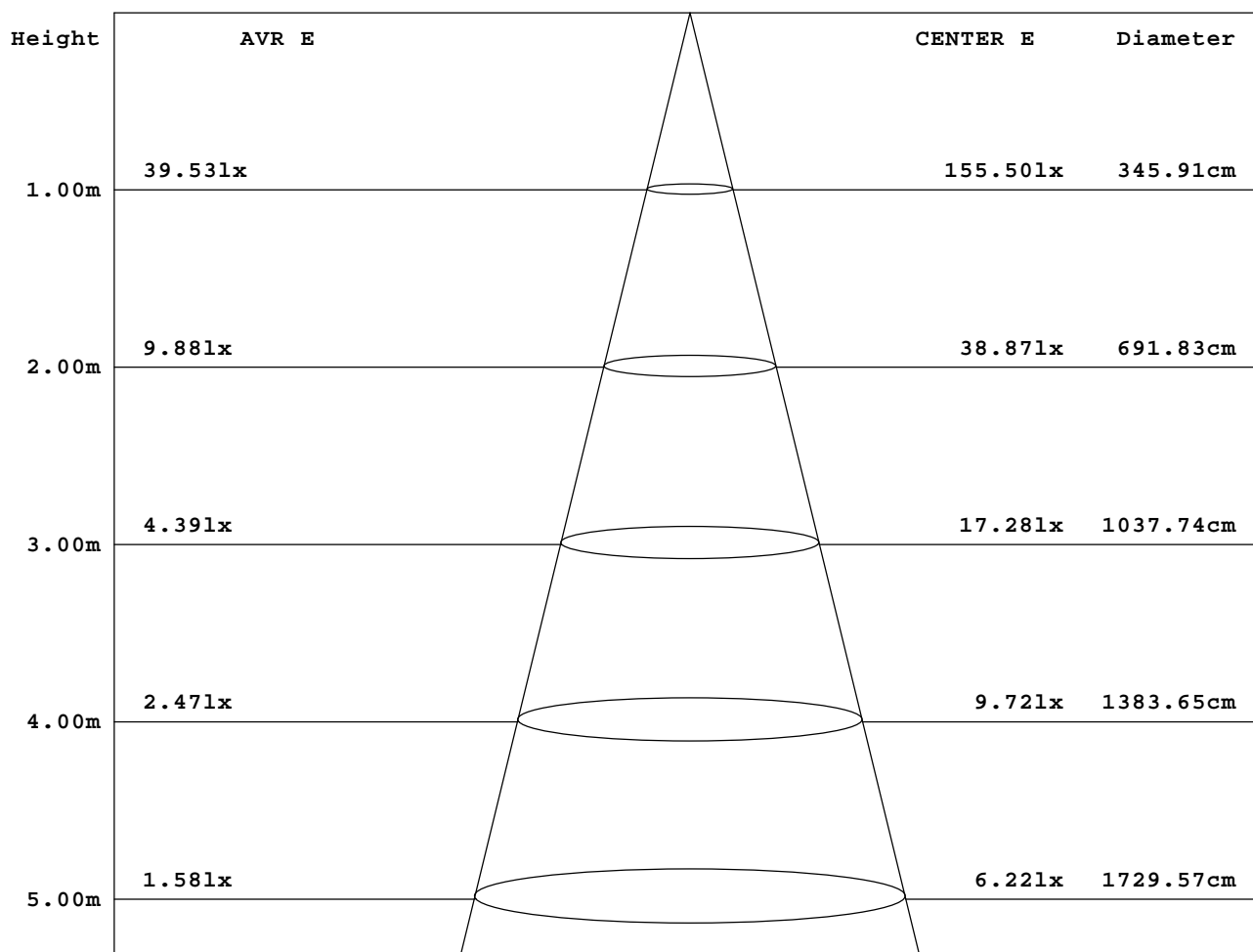
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Temperature:25.3DEG  
Operators:  
Test Date:2023年01月11日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
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AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 2700K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 2700	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230111002



Angle:119.9deg

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023年01月11日

Test Set: 5.0deg/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: 2835 64D 24V 6.5W 2700K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 2700	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230111002

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	tBtal
5.0	154.8	155.8	157.0	156.4	155.8	156.8	156.7	157.2	0- 5	3.746	3.746
10.0	155.4	153.7	155.4	153.4	154.0	153.0	154.8	156.0	5- 10	11.11	14.86
15.0	153.0	148.4	152.9	151.0	150.7	153.2	151.8	151.7	10- 15	18.18	33.04
20.0	149.5	146.2	149.1	146.7	146.5	149.7	147.8	150.1	15- 20	24.69	57.74
25.0	144.8	140.7	144.1	140.2	141.0	142.4	142.5	145.4	20- 25	30.49	88.24
30.0	139.0	134.4	138.3	134.4	134.5	139.5	136.1	139.1	25- 30	35.38	123.6
35.0	130.6	126.3	131.2	127.0	126.6	132.7	128.8	131.1	30- 35	39.19	162.8
40.0	123.8	116.3	123.1	118.3	118.4	124.7	120.3	122.8	35- 40	41.82	204.6
45.0	114.9	108.1	114.0	108.1	108.1	116.0	110.7	114.9	40- 45	43.18	247.8
50.0	104.7	97.57	103.7	98.11	98.03	105.4	100.3	105.9	45- 50	43.15	290.9
55.0	92.54	85.72	92.54	85.80	85.57	94.86	88.82	94.24	50- 55	41.71	332.7
60.0	81.69	73.56	80.22	73.49	74.11	83.01	76.35	82.55	55- 60	38.91	371.6
65.0	68.68	60.01	67.21	60.48	61.10	70.00	63.50	69.38	60- 65	34.81	406.4
70.0	54.75	46.46	52.81	47.08	47.39	56.53	48.24	56.14	65- 70	29.51	435.9
75.0	40.81	32.83	35.54	33.45	33.53	42.66	31.82	42.20	70- 75	23.00	458.9
80.0	26.63	19.59	22.84	20.13	20.59	28.73	20.52	28.11	75- 80	15.98	474.9
85.0	14.79	8.750	12.39	9.137	9.525	16.18	10.14	15.64	80- 85	9.501	484.4
90.0	6.195	2.787	5.653	2.865	2.478	7.124	3.175	6.737	85- 90	4.335	488.7
95.0	4.181	1.936	4.104	1.936	2.323	4.259	2.013	4.259	90- 95	1.939	490.7
100.0	3.949	2.090	3.794	2.013	2.400	4.104	2.090	4.026	95-100	1.677	492.3
105.0	3.794	2.168	3.639	2.168	2.478	3.949	2.245	3.872	100-105	1.634	494.0
110.0	3.717	2.323	3.562	2.245	2.555	3.794	2.323	3.794	105-110	1.590	495.6
115.0	3.639	2.400	3.562	2.400	2.710	3.794	2.400	3.717	110-115	1.550	497.1
120.0	3.639	2.555	3.484	2.478	2.787	3.717	2.555	3.717	115-120	1.502	498.6
125.0	3.639	2.632	3.484	2.632	2.942	3.717	2.632	3.717	120-125	1.453	500.1
130.0	3.639	2.787	3.484	2.710	3.020	3.717	2.710	3.717	125-130	1.391	501.5
135.0	3.639	2.865	3.562	2.865	3.175	3.717	2.865	3.717	130-135	1.318	502.8
140.0	3.639	2.942	3.562	2.942	3.252	3.717	2.942	3.717	135-140	1.228	504.0
145.0	3.717	3.097	3.562	3.020	3.329	3.794	3.020	3.794	140-145	1.130	505.1
150.0	3.717	3.175	3.639	3.097	3.407	3.794	3.097	3.794	145-150	1.016	506.2
155.0	3.717	3.252	3.639	3.252	3.484	3.794	3.175	3.794	150-155	0.885	507.1
160.0	3.717	3.252	3.717	3.252	3.562	3.794	3.252	3.794	155-160	0.741	507.8
165.0	3.794	3.329	3.717	3.252	3.639	3.794	3.329	3.717	160-165	0.585	508.4
170.0	3.794	3.329	3.717	3.329	3.717	3.794	3.329	3.717	165-170	0.425	508.8
175.0	3.794	3.407	3.717	3.329	3.717	3.717	3.407	3.717	170-175	0.258	509.1
180.0	3.794	3.484	3.717	3.407	3.794	3.717	3.484	3.717	175-180	0.086	509.1
DEG	LUMINOUS INTENSITY:cd										UNIT:lm

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023年01月11日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.800 m  
 Remarks:

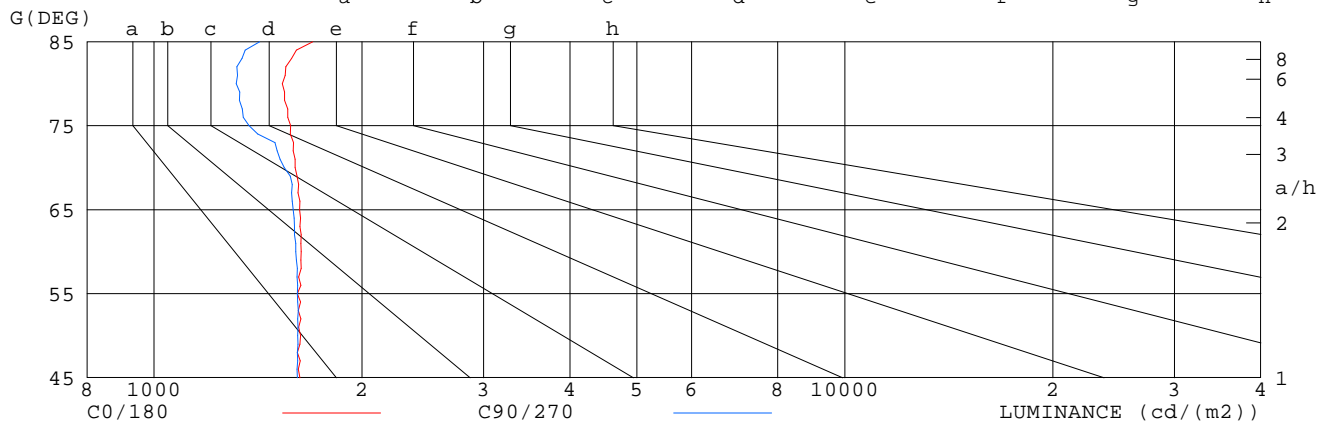
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 2700K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 2700	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230111002

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



G (DEG)	LUMINANCE cd/m2	
	C0/180	C90/270
85	1697	1422
80	1534	1316
75	1577	1373
70	1601	1544
65	1625	1591
60	1634	1605
55	1613	1613
50	1630	1614
45	1626	1613

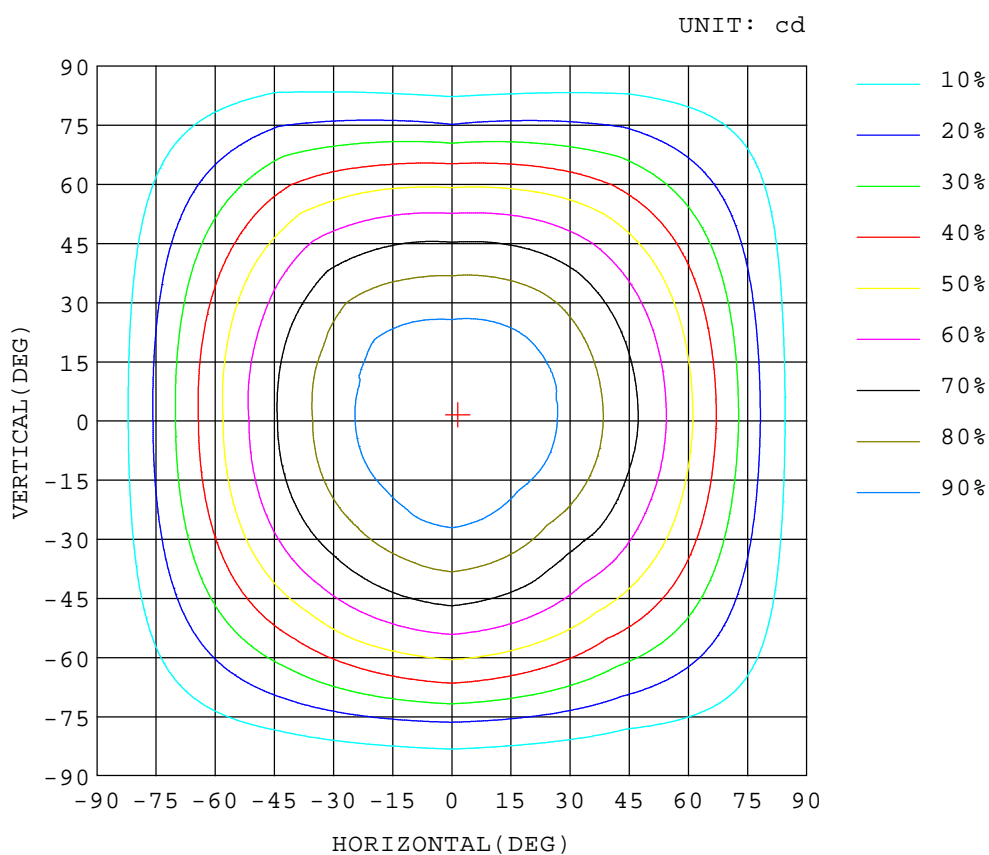
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 Temperature:25.3DEG  
 Operators:  
 Test Date:2023年01月11日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
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 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 2700K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 2700	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230111002



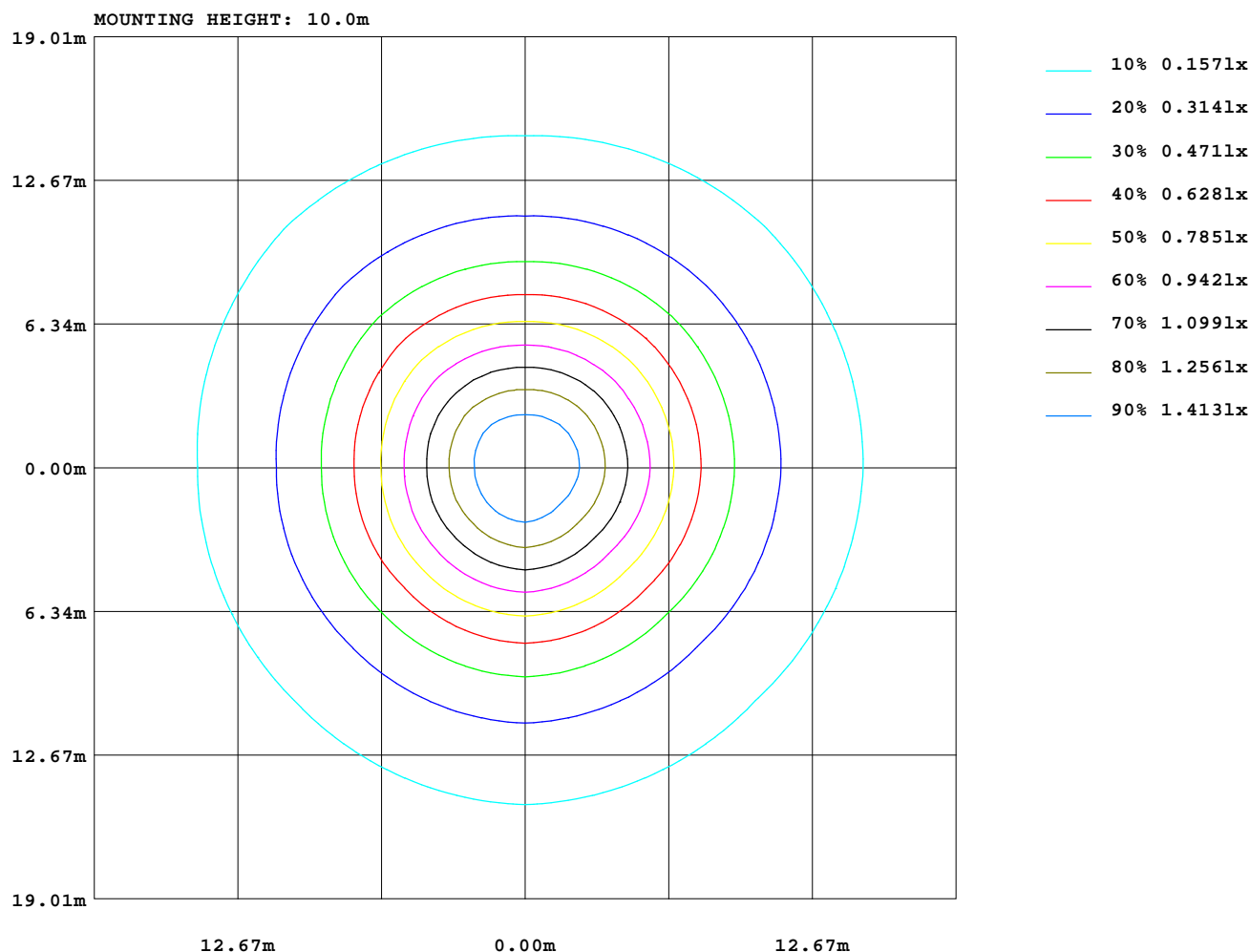
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023年01月11日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
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 Test Distance:8.800 m  
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 2700K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 2700	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230111002



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023年01月11日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.800 m  
 Remarks:

**GONIOPHOTOMETERS SYSTEM TEST REPORT**

**AREA LUMINOUS FLUX**

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: 2835 64D 24V 6.5W 2700K 80</b>		<b>TYPE: LED Strip</b>	<b>WEIGHT:</b>
<b>SPECIFICATION: 2835/64D</b>	<b>CCT(K): 2700</b>	<b>DIMENSION: 0.5M*0.008M</b>	<b>SERIAL No.: 20230111002</b>

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	0.01	0.04	0.10	0.19	0.28	0.33	0.36	0.36	0.34	0.34	0.36	0.35	0.32	0.28	0.20	0.13	0.06	0.02	4.09	1.47	
80	0.01	0.08	0.21	0.40	0.64	0.82	0.95	1.02	1.03	1.03	1.02	0.95	0.81	0.64	0.42	0.24	0.10	0.02	10.4	10.0	
70	0.02	0.12	0.33	0.66	1.04	1.39	1.66	1.85	1.92	1.92	1.85	1.66	1.38	1.04	0.68	0.37	0.15	0.03	18.1	17.9	
60	0.02	0.16	0.46	0.90	1.42	1.91	2.30	2.57	2.69	2.69	2.57	2.30	1.91	1.43	0.94	0.50	0.19	0.03	25.0	24.9	
50	0.03	0.20	0.57	1.11	1.73	2.36	2.86	3.20	3.35	3.35	3.20	2.85	2.37	1.77	1.16	0.62	0.23	0.04	31.0	31.0	
40	0.03	0.23	0.67	1.28	1.99	2.71	3.30	3.70	3.89	3.90	3.70	3.31	2.73	2.04	1.34	0.73	0.27	0.04	35.9	35.8	
30	0.03	0.26	0.74	1.40	2.18	2.95	3.63	4.09	4.31	4.31	4.09	3.64	3.00	2.25	1.48	0.81	0.30	0.05	39.5	39.5	
20	0.03	0.27	0.78	1.48	2.29	3.10	3.81	4.33	4.58	4.59	4.35	3.86	3.18	2.39	1.58	0.86	0.32	0.05	41.9	41.8	
10	0.04	0.28	0.80	1.51	2.34	3.16	3.88	4.42	4.70	4.72	4.46	3.96	3.26	2.45	1.62	0.89	0.33	0.05	42.9	42.8	
0	0.03	0.28	0.79	1.50	2.32	3.13	3.85	4.39	4.70	4.69	4.42	3.93	3.23	2.44	1.61	0.88	0.33	0.05	42.6	42.6	
-10	0.03	0.26	0.76	1.45	2.24	3.04	3.73	4.26	4.57	4.57	4.25	3.76	3.10	2.33	1.54	0.84	0.31	0.05	41.1	41.1	
-20	0.03	0.24	0.71	1.35	2.09	2.84	3.49	4.01	4.31	4.31	4.00	3.49	2.87	2.16	1.42	0.78	0.29	0.04	38.5	38.4	
-30	0.03	0.22	0.62	1.20	1.87	2.54	3.16	3.64	3.92	3.92	3.63	3.15	2.55	1.91	1.26	0.69	0.26	0.04	34.6	34.6	
-40	0.02	0.18	0.52	1.01	1.58	2.17	2.72	3.15	3.40	3.40	3.14	2.71	2.16	1.61	1.06	0.57	0.22	0.04	29.7	29.6	
-50	0.02	0.14	0.40	0.79	1.24	1.72	2.18	2.54	2.76	2.75	2.53	2.17	1.71	1.25	0.83	0.45	0.17	0.03	23.7	23.6	
-60	0.02	0.10	0.28	0.54	0.86	1.21	1.55	1.82	1.99	1.99	1.82	1.54	1.20	0.86	0.57	0.31	0.13	0.03	16.8	16.6	
-70	0.01	0.06	0.16	0.29	0.47	0.66	0.85	1.00	1.09	1.09	0.99	0.84	0.65	0.46	0.31	0.18	0.08	0.02	9.24	8.52	
-80	0.01	0.03	0.06	0.11	0.16	0.22	0.29	0.34	0.38	0.38	0.34	0.28	0.21	0.15	0.12	0.09	0.05	0.02	3.23	0.79	
-90																					
	Φ t	0.43	3.13	8.95	17.1	26.8	36.3	44.6	50.7	54.0	54.0	50.8	44.8	36.7	27.5	18.1	9.92	3.80	0.64	509	
	Φ a	0.10	2.71	8.55	16.8	26.4	35.9	44.2	50.3	53.6	53.6	50.4	44.4	36.3	27.1	17.8	9.55	3.42	0.31		482

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023年01月11日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.800 m  
 Remarks:



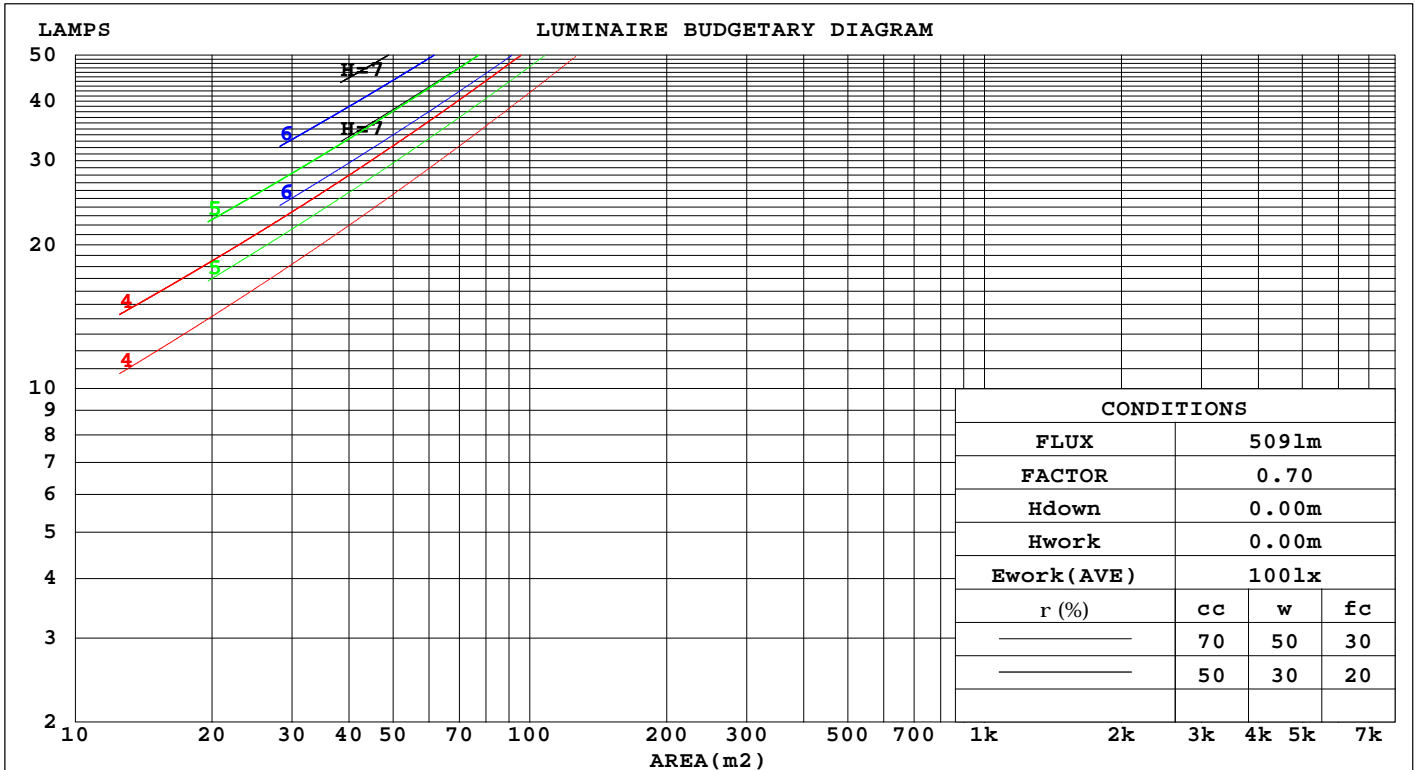
GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 2700K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 2700	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230111002

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	1.09	1.09	1.09	1.03	1.03	1.03	.98	.98	.98	.96
1.0	1.02	.98	.94	.99	.95	.92	.94	.91	.88	.90	.87	.85	.86	.83	.81	.79
2.0	.88	.81	.75	.86	.80	.74	.82	.77	.72	.78	.74	.70	.74	.71	.67	.65
3.0	.77	.69	.62	.75	.68	.61	.72	.65	.60	.68	.63	.58	.65	.61	.57	.54
4.0	.68	.59	.52	.67	.58	.52	.64	.56	.51	.61	.54	.49	.58	.53	.48	.46
5.0	.61	.52	.45	.59	.51	.44	.57	.49	.43	.54	.48	.43	.52	.46	.42	.39
6.0	.55	.45	.39	.53	.45	.39	.51	.44	.38	.49	.42	.37	.47	.41	.37	.34
7.0	.49	.40	.34	.48	.40	.34	.46	.39	.33	.45	.38	.33	.43	.37	.32	.30
8.0	.45	.36	.30	.44	.36	.30	.42	.35	.30	.41	.34	.29	.39	.33	.29	.27
9.0	.41	.33	.27	.40	.32	.27	.39	.32	.27	.38	.31	.26	.36	.30	.26	.24
10.0	.38	.30	.25	.37	.30	.24	.36	.29	.24	.35	.28	.24	.34	.28	.24	.22



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023年01月11日

Test Set: 5.0deg/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:</b> 2835 64D 24V 6.5W 2700K 80		<b>TYPE:</b> LED Strip	<b>WEIGHT:</b>
<b>SPECIFICATION:</b> 2835/64D	<b>CCT(K):</b> 2700	<b>DIMENSION:</b> 0.5M*0.008M	<b>SERIAL No.:</b> 20230111002

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	.325	.185	.059	.317	.181	.057	.301	.173	.055	.287	.165	.053	.274	.159	.051	
2.0	.302	.165	.051	.294	.162	.050	.280	.156	.048	.267	.150	.047	.256	.145	.046	
3.0	.277	.147	.044	.270	.145	.044	.258	.140	.042	.247	.135	.041	.236	.131	.040	
4.0	.254	.132	.039	.248	.130	.038	.237	.126	.038	.227	.122	.037	.218	.118	.036	
5.0	.234	.119	.035	.229	.118	.034	.219	.114	.034	.210	.111	.033	.201	.108	.032	
6.0	.217	.109	.031	.212	.107	.031	.203	.104	.030	.195	.101	.030	.187	.098	.029	
7.0	.201	.099	.028	.197	.098	.028	.189	.096	.028	.181	.093	.027	.174	.091	.027	
8.0	.188	.092	.026	.184	.090	.026	.177	.088	.025	.170	.086	.025	.163	.084	.024	
9.0	.176	.085	.024	.172	.084	.024	.166	.082	.023	.159	.080	.023	.153	.078	.023	
10.0	.165	.079	.022	.162	.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	.221	.221	.221	.189	.189	.189	.129	.129	.129	.074	.074	.074	.024	.024	.024	
1.0	.212	.187	.164	.182	.160	.141	.124	.110	.098	.071	.064	.057	.023	.021	.018	
2.0	.205	.163	.128	.175	.140	.111	.120	.097	.077	.069	.056	.045	.022	.018	.015	
3.0	.197	.146	.104	.169	.126	.091	.116	.087	.064	.067	.051	.037	.022	.017	.012	
4.0	.189	.132	.089	.163	.114	.077	.112	.080	.054	.065	.047	.032	.021	.015	.011	
5.0	.182	.122	.078	.156	.106	.068	.108	.074	.048	.062	.043	.028	.020	.014	.009	
6.0	.175	.114	.070	.150	.099	.061	.104	.069	.043	.060	.041	.026	.019	.013	.008	
7.0	.168	.107	.064	.144	.093	.056	.100	.065	.040	.058	.038	.024	.019	.013	.008	
8.0	.161	.101	.060	.139	.088	.052	.096	.062	.037	.056	.036	.022	.018	.012	.007	
9.0	.155	.096	.057	.134	.084	.049	.093	.059	.035	.054	.035	.021	.017	.011	.007	
10.0	.150	.092	.054	.129	.080	.047	.089	.056	.034	.052	.033	.020	.017	.011	.007	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023年01月11日

Test Set: 5.0deg/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: 2835 64D 24V 6.5W 2700K 80					TYPE: LED Strip			WEIGHT:		
SPECIFICATION: 2835/64D			CCT(K): 2700		DIMENSION: 0.5M*0.008M			SERIAL No.: 20230111002		
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	14.3	15.8	14.6	16.1	16.4	14.3	15.8	14.6	16.0	16.3
3H	16.1	17.4	16.4	17.8	18.1	16.0	17.4	16.3	17.7	18.0
4H	16.8	18.1	17.2	18.5	18.8	16.6	17.9	17.0	18.3	18.6
6H	17.4	18.7	17.8	19.0	19.4	17.1	18.3	17.5	18.7	19.0
8H	17.7	18.9	18.1	19.2	19.6	17.3	18.5	17.7	18.8	19.2
12H	17.9	19.0	18.3	19.4	19.8	17.4	18.6	17.8	18.9	19.3
4H 2H	14.9	16.2	15.2	16.5	16.8	14.8	16.1	15.2	16.5	16.8
3H	16.8	17.9	17.2	18.3	18.7	16.7	17.9	17.1	18.2	18.6
4H	17.7	18.7	18.1	19.1	19.5	17.5	18.5	17.9	18.9	19.3
6H	18.4	19.3	18.9	19.8	20.2	18.1	19.0	18.5	19.4	19.9
8H	18.7	19.6	19.2	20.0	20.5	18.3	19.2	18.8	19.6	20.1
12H	19.0	19.8	19.4	20.2	20.7	18.5	19.3	19.0	19.8	20.3
8H 4H	17.9	18.8	18.4	19.2	19.7	17.7	18.6	18.2	19.0	19.5
6H	18.8	19.5	19.3	20.0	20.5	18.4	19.2	19.0	19.6	20.2
8H	19.1	19.8	19.7	20.3	20.8	18.8	19.4	19.3	19.9	20.5
12H	19.5	20.1	20.1	20.6	21.2	19.1	19.6	19.6	20.2	20.7
12H 4H	17.9	18.7	18.4	19.1	19.6	17.7	18.5	18.2	19.0	19.5
6H	18.8	19.4	19.3	19.9	20.5	18.5	19.1	19.0	19.6	20.2
8H	19.2	19.8	19.8	20.3	20.9	18.9	19.4	19.4	19.9	20.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				

CIE Pub.117 Corrected 509.1 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.3)

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023年01月11日

Test Set: 5.0deg/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: 2835 64D 24V 6.5W 2700K 80</b>		<b>TYPE: LED Strip</b>	<b>WEIGHT:</b>
<b>SPECIFICATION: 2835/64D</b>	<b>CCT(K): 2700</b>	<b>DIMENSION: 0.5M*0.008M</b>	<b>SERIAL No.: 20230111002</b>

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>	55	43	36	54	43	36	53	42	36	29
<b>0.80</b>	65	53	45	64	52	45	62	51	44	37
<b>1.00</b>	73	62	54	72	61	54	69	62	53	45
<b>1.25</b>	80	69	62	79	68	61	75	67	60	52
<b>1.50</b>	85	75	68	83	74	67	80	72	66	57
<b>2.00</b>	92	83	77	90	82	76	86	79	74	65
<b>2.50</b>	97	88	82	94	87	81	90	83	78	69
<b>3.00</b>	100	93	87	98	91	85	93	87	83	73
<b>4.00</b>	104	98	93	102	96	91	97	92	88	78
<b>5.00</b>	107	102	97	104	99	95	99	95	92	81
<b>ROOM INDEX</b>	<b>UF(total)</b>									<b>Direct</b>
<b>According to DIN EN 13032-2 2004</b>			<b>Suspended</b>				<b>SHRNOM = 1.25</b>			

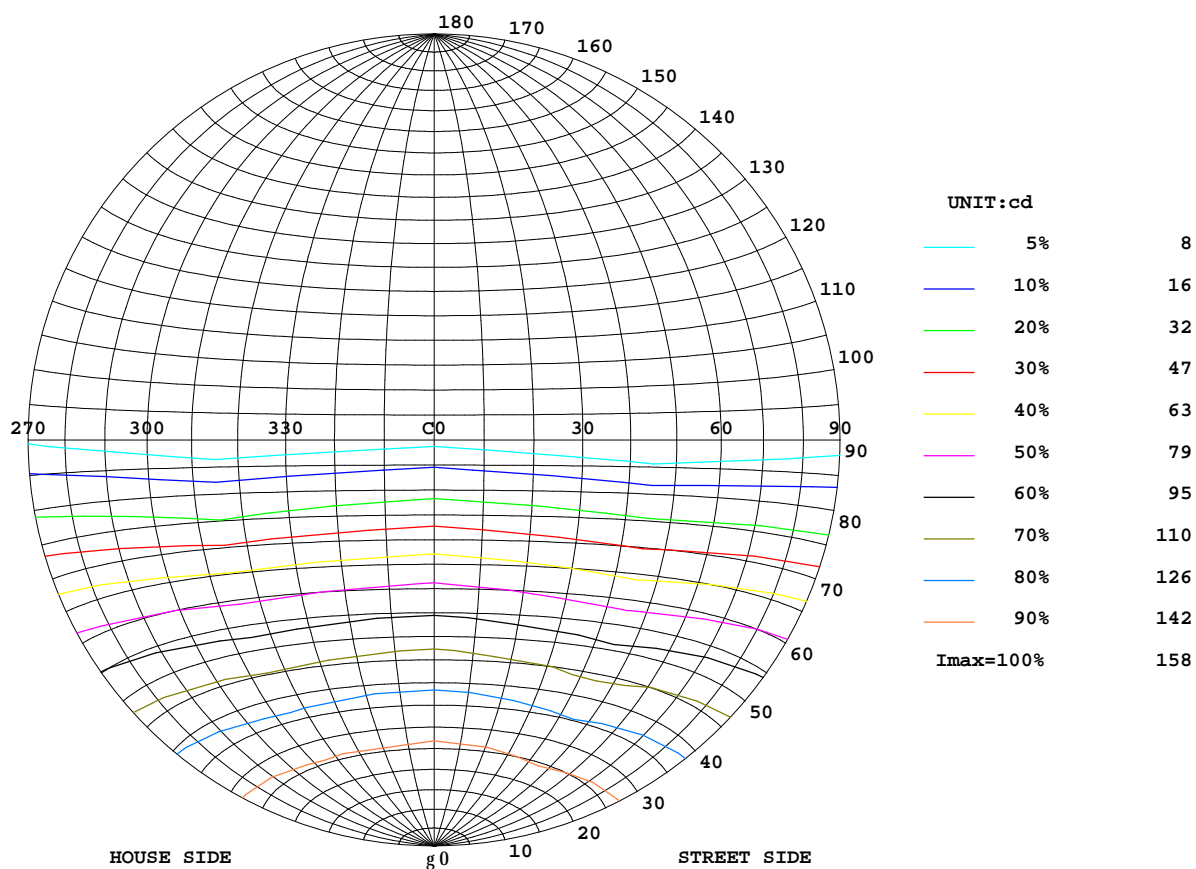
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023年01月11日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.800 m  
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 2700K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 2700	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230111002



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023年01月11日

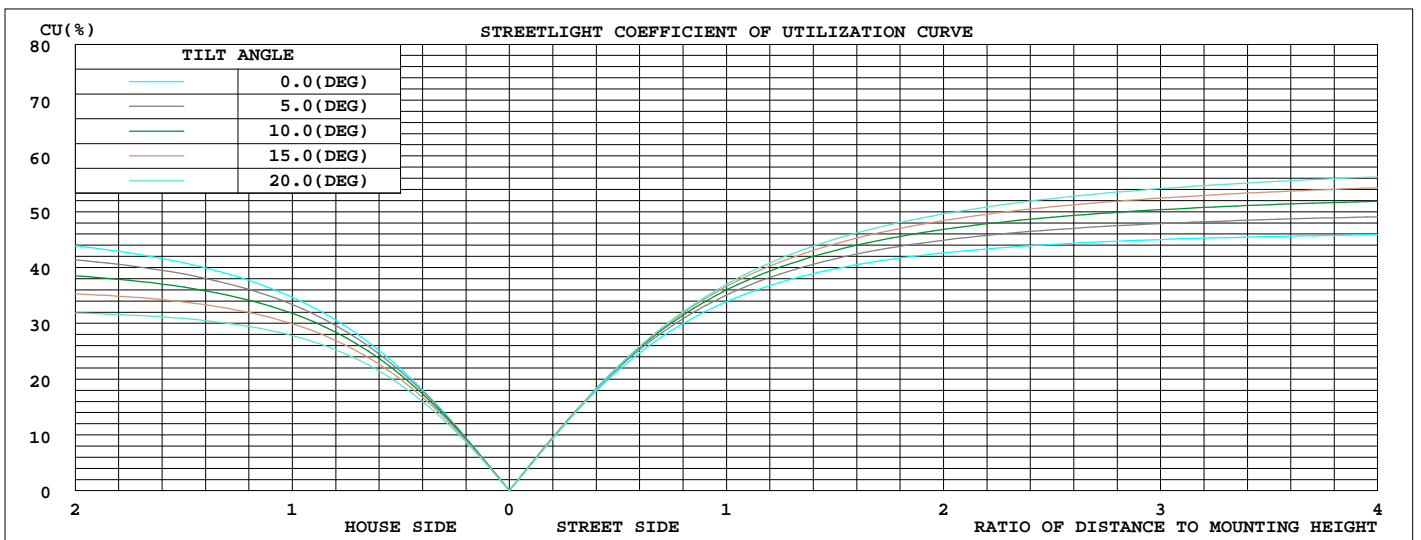
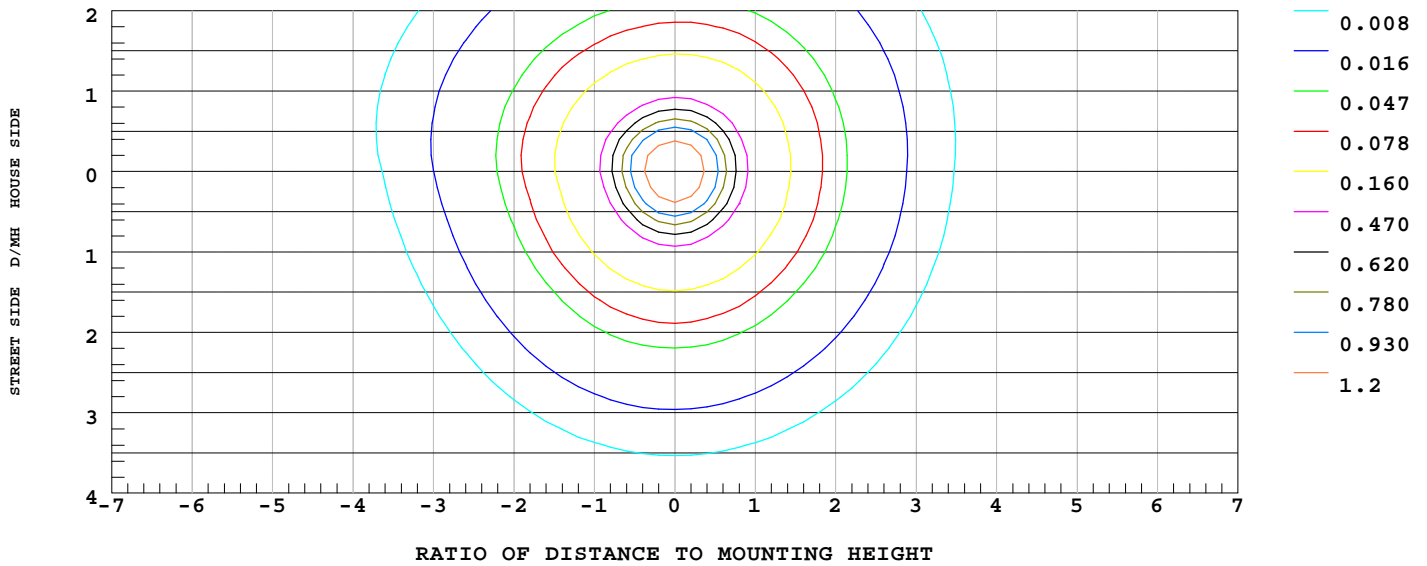
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.800 m  
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 2700K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 2700	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230111002

ILLUMINANCE AT MH=10 m, Enadir = 1.55 lx



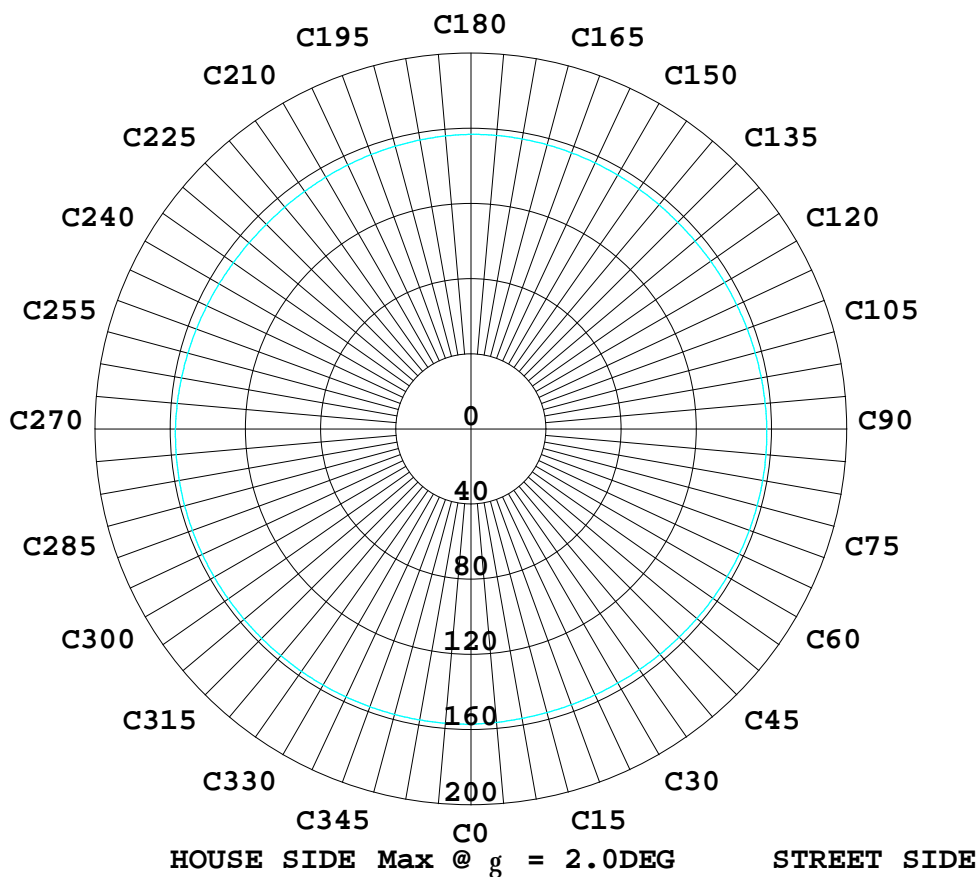
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023年01月11日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.800 m  
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 2700K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 2700	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230111002



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023年01月11日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.800 m  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 2700K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 2700	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230111002

UNIT: cd

γ (DEG)	C (DEG)							
	0	45	90	135	180	225	270	315
0.0	155	157	157	157	155	157	157	157
5.0	155	156	157	156	156	157	157	157
10.0	155	154	155	153	154	153	155	156
15.0	153	148	153	151	151	153	152	152
20.0	150	146	149	147	147	150	148	150
25.0	145	141	144	140	141	142	143	145
30.0	139	134	138	134	135	140	136	139
35.0	131	126	131	127	127	133	129	131
40.0	124	116	123	118	118	125	120	123
45.0	115	108	114	108	108	116	111	115
50.0	105	97.5	104	98.1	98.0	105	100	106
55.0	92.5	85.7	92.5	85.8	85.5	94.8	88.8	94.2
60.0	81.6	73.5	80.2	73.4	74.1	83.0	76.3	82.5
65.0	68.6	60.0	67.2	60.4	61.1	70.0	63.5	69.3
70.0	54.7	46.4	52.8	47.0	47.3	56.5	48.2	56.1
75.0	40.8	32.8	35.5	33.4	33.5	42.6	31.8	42.2
80.0	26.6	19.5	22.8	20.1	20.5	28.7	20.5	28.1
85.0	14.7	8.75	12.3	9.13	9.52	16.1	10.1	15.6
90.0	6.19	2.78	5.65	2.86	2.47	7.12	3.17	6.73
95.0	4.18	1.93	4.10	1.93	2.32	4.25	2.01	4.25
100.0	3.94	2.09	3.79	2.01	2.40	4.10	2.09	4.02
105.0	3.79	2.16	3.63	2.16	2.47	3.94	2.24	3.87
110.0	3.71	2.32	3.56	2.24	2.55	3.79	2.32	3.79
115.0	3.63	2.40	3.56	2.40	2.71	3.79	2.40	3.71
120.0	3.63	2.55	3.48	2.47	2.78	3.71	2.55	3.71
125.0	3.63	2.63	3.48	2.63	2.94	3.71	2.63	3.71
130.0	3.63	2.78	3.48	2.71	3.02	3.71	2.71	3.71
135.0	3.63	2.86	3.56	2.86	3.17	3.71	2.86	3.71
140.0	3.63	2.94	3.56	2.94	3.25	3.71	2.94	3.71
145.0	3.71	3.09	3.56	3.02	3.32	3.79	3.02	3.79
150.0	3.71	3.17	3.63	3.09	3.40	3.79	3.09	3.79
155.0	3.71	3.25	3.63	3.25	3.48	3.79	3.17	3.79
160.0	3.71	3.25	3.71	3.25	3.56	3.79	3.25	3.79
165.0	3.79	3.32	3.71	3.25	3.63	3.79	3.32	3.71
170.0	3.79	3.32	3.71	3.32	3.71	3.79	3.32	3.71
175.0	3.79	3.40	3.71	3.32	3.71	3.71	3.40	3.71
180.0	3.79	3.48	3.71	3.40	3.79	3.71	3.48	3.71

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023年01月11日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.800 m  
 Remarks: