

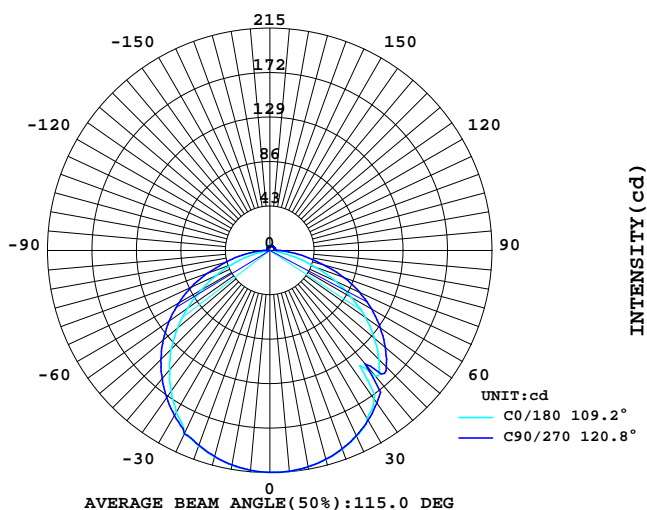
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

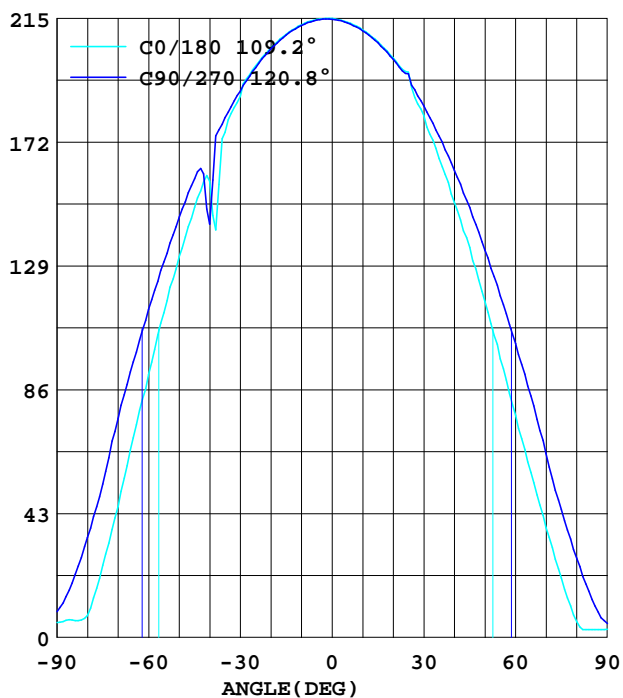
MANUFACTURER:			
Address:			
NAME: RS-HE-2835-64-24-8-4.2-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 1M*0.008M	SERIAL No.: 20220102001

DATA OF LAMP		Imax(cd)	215.4	S/MH(C0/180)	1.30
MODEL	2835	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.31
NOMINAL POWER(W)	4	TOTAL FLUX(lm)	670.25	Voltage(V)	23.98
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	153.4	Current(A)	0.182
NOMINAL FLUX(lm)	670.3	h up(%)	3.9	Power(W)	4.370
LAMPS QUANTITY	1	h down(%)	96.1	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	634.1	EEL	0.082

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-2835-64-24-8-4.2-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 1M*0.008M	SERIAL No.: 20220102001

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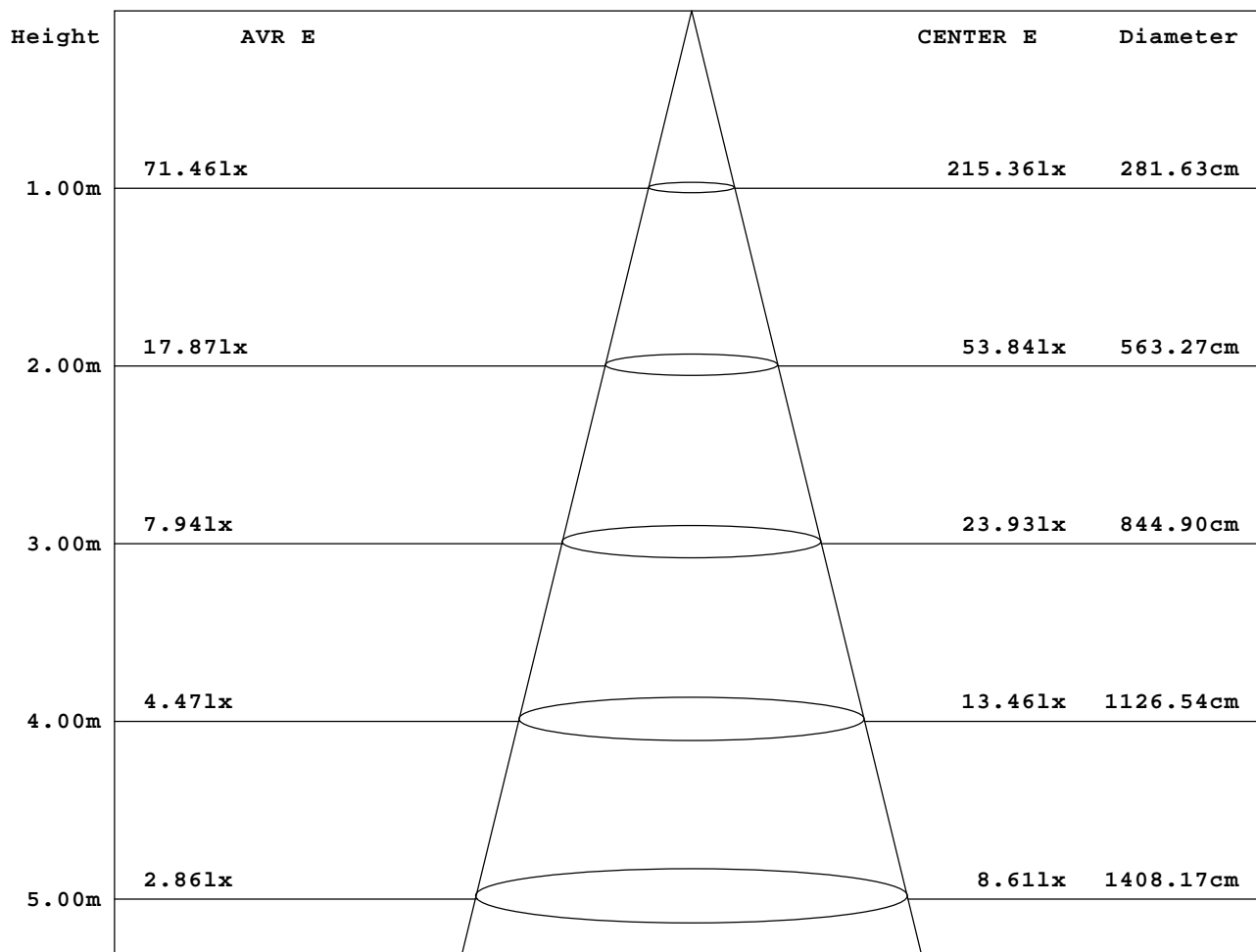
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2022年01月02日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.800 m  
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AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:			
Address:			
NAME: RS-HE-2835-64-24-8-4.2-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 1M*0.008M	SERIAL No.: 20220102001



Angle:109.2deg

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:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: RS-HE-2835-64-24-8-4.2-8-3000K-20-5M</b>		<b>TYPE: LED Strip</b>	<b>WEIGHT:</b>
<b>SPECIFICATION: 2835/64D</b>	<b>CCT(K): 3000</b>	<b>DIMENSION: 1M*0.008M</b>	<b>SERIAL No.: 20220102001</b>

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	tBtal
5.0	215.0	214.0	214.8	214.0	214.0	214.8	213.8	206.7	0- 5	5.113	5.113
10.0	213.1	211.4	212.9	211.7	211.4	212.9	211.0	200.4	5- 10	15.16	20.28
15.0	209.8	207.3	209.5	207.9	207.3	209.6	206.9	198.9	10- 15	24.78	45.06
20.0	205.2	201.5	204.8	202.3	201.5	204.8	201.1	196.0	15- 20	33.73	78.79
25.0	198.8	195.9	198.2	196.3	196.6	198.4	196.0	189.4	20- 25	41.74	120.5
30.0	188.3	185.3	190.1	186.5	181.6	190.5	185.0	181.6	25- 30	48.30	168.8
35.0	175.7	174.6	180.8	176.0	166.5	181.2	174.3	175.6	30- 35	53.29	222.1
40.0	158.6	162.3	143.8	164.0	151.2	160.6	162.3	161.9	35- 40	55.62	277.7
45.0	149.6	149.2	159.6	151.0	135.6	160.4	149.5	154.7	40- 45	57.64	335.4
50.0	132.5	134.1	146.2	136.0	116.9	147.5	134.8	143.5	45- 50	58.10	393.5
55.0	112.9	118.1	130.6	120.3	96.95	132.4	118.8	126.6	50- 55	55.72	449.2
60.0	91.45	100.4	114.2	102.6	77.28	115.8	102.2	107.0	55- 60	51.09	500.3
65.0	69.46	81.62	95.79	84.02	57.38	98.58	84.02	92.85	60- 65	44.81	545.1
70.0	45.61	62.88	76.20	65.28	38.25	79.45	63.96	74.57	65- 70	37.07	582.2
75.0	25.09	43.28	53.43	45.76	20.59	59.55	44.52	56.53	70- 75	27.85	610.0
80.0	7.589	23.38	34.77	26.56	5.498	38.56	27.56	36.55	75- 80	18.17	628.2
85.0	6.117	11.07	18.89	13.00	2.710	22.99	13.16	21.21	80- 85	10.34	638.5
90.0	5.188	3.484	8.983	4.259	2.787	10.60	4.878	9.912	85- 90	5.206	643.7
95.0	4.956	2.400	5.575	2.555	2.865	5.885	2.632	5.962	90- 95	2.654	646.4
100.0	4.801	2.478	5.033	2.632	3.020	5.420	2.632	5.343	95-100	2.157	648.6
105.0	4.723	2.632	4.878	2.710	3.175	5.265	2.787	5.188	100-105	2.099	650.7
110.0	4.646	2.787	4.801	2.787	3.329	5.111	2.942	5.111	105-110	2.055	652.7
115.0	4.646	2.942	4.723	2.942	3.484	5.033	3.020	5.033	110-115	2.003	654.7
120.0	4.646	3.097	4.723	2.942	3.639	4.956	3.175	4.956	115-120	1.943	656.7
125.0	4.646	3.252	4.723	3.097	3.794	4.878	3.329	4.878	120-125	1.871	658.5
130.0	4.646	3.407	4.723	3.252	3.872	4.878	3.484	4.878	125-130	1.784	660.3
135.0	4.723	3.562	4.723	3.407	4.026	4.956	3.639	4.878	130-135	1.693	662.0
140.0	4.801	3.717	4.801	3.562	4.181	4.956	3.717	4.878	135-140	1.581	663.6
145.0	4.801	3.794	4.801	3.639	4.336	4.956	3.872	4.878	140-145	1.453	665.0
150.0	4.878	3.949	4.878	3.794	4.414	5.033	3.949	4.878	145-150	1.302	666.3
155.0	4.878	4.026	4.878	3.872	4.568	5.033	4.026	4.956	150-155	1.139	667.5
160.0	4.956	4.104	4.878	3.949	4.646	5.033	4.181	4.956	155-160	0.957	668.4
165.0	4.956	4.181	4.956	4.026	4.723	5.033	4.259	4.878	160-165	0.761	669.2
170.0	5.033	4.259	4.956	4.104	4.801	5.033	4.259	4.878	165-170	0.552	669.8
175.0	5.033	4.336	4.956	4.181	4.878	5.033	4.336	4.878	170-175	0.336	670.1
180.0	4.956	4.414	4.878	4.336	5.188	4.878	4.414	4.801	175-180	0.112	670.2
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:

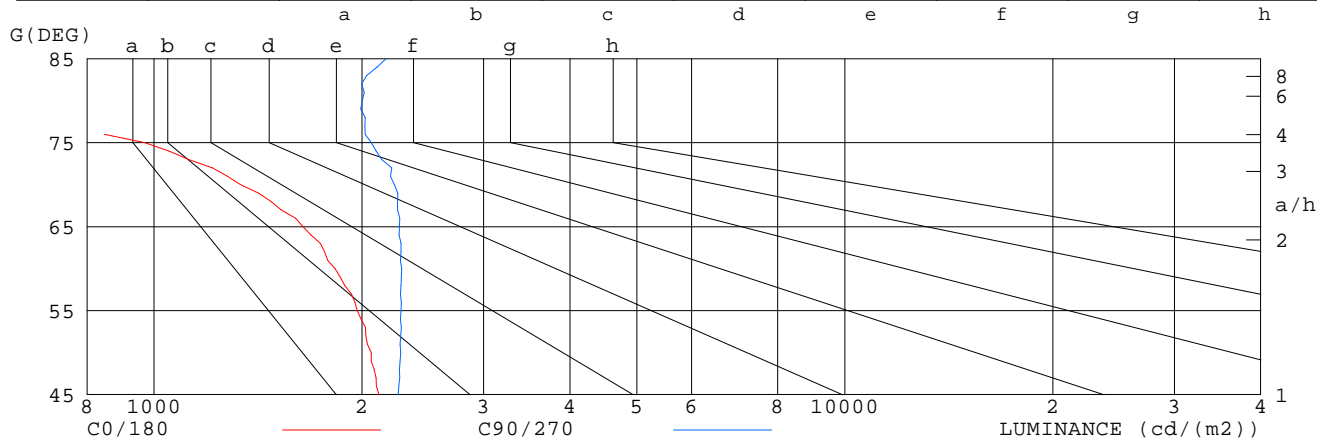
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME: RS-HE-2835-64-24-8-4.2-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 1M*0.008M	SERIAL No.: 20220102001

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	702	2168
80	437	2002
75	969	2065
70	1334	2228
65	1644	2267
60	1829	2284
55	1970	2278
50	2063	2276
45	2117	2257

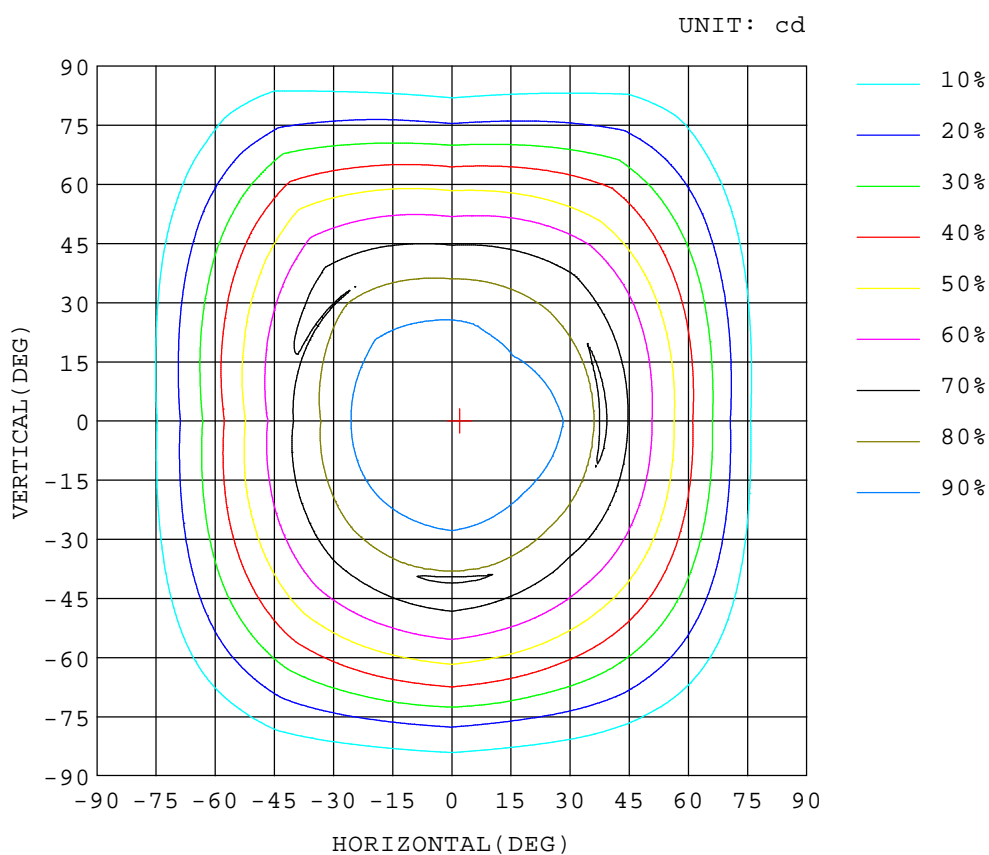
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022年01月02日

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-2835-64-24-8-4.2-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 1M*0.008M	SERIAL No.: 20220102001



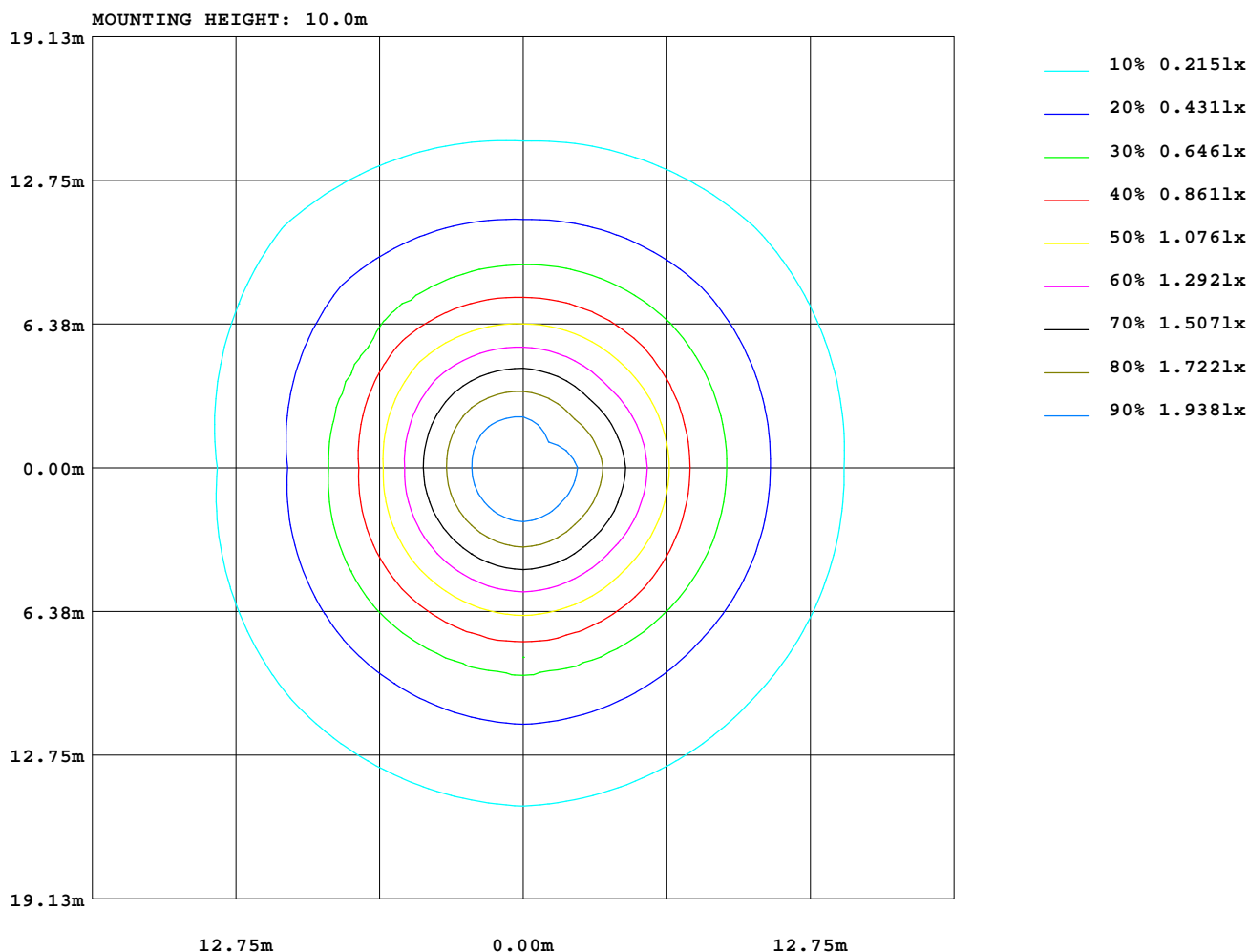
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022年01月02日

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-2835-64-24-8-4.2-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 1M*0.008M	SERIAL No.: 20220102001



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-2835-64-24-8-4.2-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 1M*0.008M	SERIAL No.: 20220102001

VERTICAL( DEG )	AREA FLUX DIAGRAM																	UNIT:lm		φ t	φ a						
	90	80	70	60	50	40	30	0.01	0.05	0.13	0.25	0.40	0.47	0.50	0.49	0.46	0.46	0.48	0.48	0.44	0.37	0.24	0.13	0.06	0.02	5.43	1.97
80	0.01	0.07	0.21	0.47	0.86	1.13	1.30	1.40	1.39	1.38	1.36	1.26	1.08	0.82	0.46	0.21	0.08	0.02	13.5	12.8							
70	0.01	0.08	0.31	0.79	1.43	1.93	2.28	2.51	2.57	2.55	2.44	2.20	1.83	1.35	0.77	0.32	0.10	0.02	23.5	23.1							
60	0.01	0.11	0.46	1.09	1.92	2.67	3.18	3.51	3.63	3.61	3.43	3.04	2.51	1.84	1.08	0.47	0.12	0.02	32.7	32.5							
50	0.01	0.14	0.59	1.35	2.31	3.28	3.95	4.36	4.53	4.52	4.30	3.85	3.16	2.25	1.37	0.62	0.15	0.02	40.8	40.6							
40	0.01	0.16	0.70	1.55	2.62	3.71	4.43	4.99	5.28	5.24	4.91	4.37	3.66	2.65	1.61	0.74	0.18	0.02	46.8	46.7							
30	0.01	0.18	0.76	1.69	2.83	3.89	4.95	5.59	5.88	5.81	5.41	4.77	3.92	2.94	1.80	0.84	0.21	0.02	51.5	51.4							
	0.01	0.19	0.79	1.75	2.94	4.10	5.21	5.95	6.26	6.13	5.74	5.13	4.09	3.12	1.93	0.90	0.22	0.02	54.5	54.4							
	0.01	0.19	0.78	1.74	2.94	4.18	5.32	6.08	6.46	6.29	6.01	5.38	4.22	3.20	1.98	0.91	0.22	0.02	55.9	55.8							
	0.01	0.18	0.77	1.72	2.92	4.16	5.30	6.05	6.45	6.45	6.10	5.41	4.23	3.19	1.97	0.91	0.22	0.02	56.1	56.0							
	0.01	0.18	0.76	1.70	2.87	4.07	5.14	5.90	6.29	6.28	5.88	5.19	4.10	3.07	1.90	0.88	0.21	0.02	54.5	54.4							
-30	0.01	0.17	0.72	1.60	2.71	3.84	4.83	5.56	5.95	5.94	5.53	4.81	3.88	2.85	1.75	0.80	0.19	0.02	51.2	51.0							
-40	0.01	0.14	0.63	1.43	2.44	3.49	4.37	4.95	5.33	5.32	4.93	4.33	3.49	2.53	1.54	0.69	0.16	0.02	45.8	45.7							
-50	0.01	0.11	0.52	1.21	2.09	3.01	3.80	4.39	4.68	4.67	4.37	3.76	2.97	2.11	1.26	0.55	0.12	0.02	39.7	39.5							
-60	0.01	0.08	0.38	0.93	1.65	2.40	3.05	3.57	3.89	3.88	3.54	3.01	2.35	1.63	0.95	0.39	0.09	0.02	31.8	31.5							
-70	0.01	0.06	0.23	0.62	1.14	1.68	2.18	2.58	2.84	2.83	2.55	2.14	1.63	1.10	0.60	0.23	0.07	0.02	22.5	22.0							
-80	0.01	0.04	0.13	0.32	0.61	0.92	1.20	1.44	1.60	1.59	1.41	1.15	0.86	0.56	0.30	0.14	0.06	0.01	12.3	11.2							
-90	0.01	0.03	0.07	0.13	0.22	0.32	0.42	0.51	0.58	0.58	0.49	0.39	0.29	0.19	0.12	0.08	0.04	0.01	4.47	1.36							
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL( DEG )				20	30	40	50	60	70	80	90							
φ t	0.19	2.16	8.92	20.3	34.9	49.3	61.4	69.9	74.1	73.5	68.9	60.7	48.8	35.8	21.6	9.80	2.49	0.32	670								
φ a	0.00	1.10	8.12	19.7	34.4	48.8	60.9	69.3	73.5	73.0	68.4	60.2	48.2	35.2	21.0	8.97	1.39	0.00									634

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:

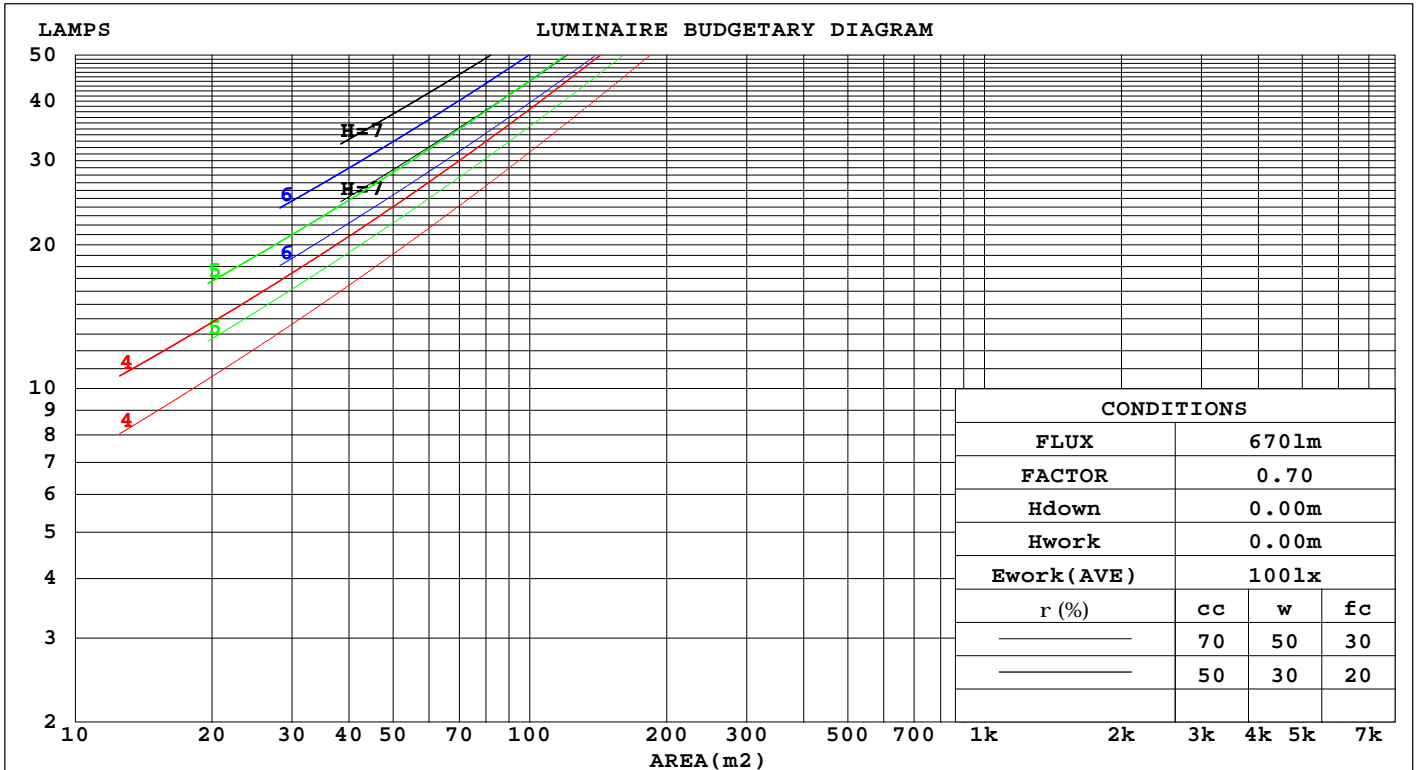


CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: RS-HE-2835-64-24-8-4.2-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 1M*0.008M	SERIAL No.: 20220102001

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	1.03	.98	.94	.90	.96	.92	.95	.92	.89	.90	.88	.85	.86	.84	.82	.80
2.0	.89	.82	.76	.87	.81	.75	.83	.77	.73	.79	.74	.71	.75	.72	.68	.66
3.0	.78	.70	.63	.76	.69	.62	.73	.66	.61	.69	.64	.59	.66	.62	.58	.55
4.0	.69	.60	.53	.67	.59	.53	.64	.57	.52	.62	.55	.50	.59	.54	.49	.47
5.0	.62	.52	.46	.60	.52	.45	.58	.50	.44	.55	.49	.44	.53	.47	.43	.40
6.0	.55	.46	.40	.54	.46	.39	.52	.44	.39	.50	.43	.38	.48	.42	.37	.35
7.0	.50	.41	.35	.49	.41	.35	.47	.40	.34	.45	.39	.34	.44	.38	.33	.31
8.0	.46	.37	.31	.45	.37	.31	.43	.36	.30	.41	.35	.30	.40	.34	.30	.28
9.0	.42	.33	.28	.41	.33	.28	.40	.32	.27	.38	.32	.27	.37	.31	.27	.25
10.0	.38	.31	.25	.38	.30	.25	.37	.30	.25	.35	.29	.24	.34	.28	.24	.22



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:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: RS-HE-2835-64-24-8-4.2-8-3000K-20-5M</b>		<b>TYPE: LED Strip</b>	<b>WEIGHT:</b>
<b>SPECIFICATION: 2835/64D</b>	<b>CCT(K): 3000</b>	<b>DIMENSION: 1M*0.008M</b>	<b>SERIAL No.: 20220102001</b>

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	.316	.180	.057	.307	.175	.056	.292	.167	.053	.278	.160	.051	.264	.153	.049	
2.0	.295	.162	.050	.288	.158	.049	.274	.152	.047	.261	.146	.046	.249	.141	.044	
3.0	.272	.145	.043	.266	.142	.043	.253	.137	.042	.242	.133	.041	.231	.128	.040	
4.0	.251	.130	.038	.245	.128	.038	.234	.124	.037	.224	.120	.036	.214	.116	.035	
5.0	.231	.118	.034	.226	.116	.034	.216	.113	.033	.207	.109	.033	.199	.106	.032	
6.0	.214	.107	.031	.210	.106	.030	.201	.103	.030	.193	.100	.029	.185	.097	.029	
7.0	.199	.099	.028	.195	.097	.028	.187	.095	.027	.180	.092	.027	.173	.090	.026	
8.0	.186	.091	.026	.182	.090	.025	.175	.087	.025	.168	.085	.025	.162	.083	.024	
9.0	.174	.084	.024	.171	.083	.023	.164	.081	.023	.158	.079	.023	.152	.077	.022	
10.0	.164	.079	.022	.161	.078	.022	.155	.076	.021	.149	.074	.021	.144	.072	.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	.188	.188	.188	.129	.129	.129	.074	.074	.074	.024	.024	.024	
1.0	.211	.186	.164	.181	.160	.141	.124	.110	.098	.071	.064	.057	.023	.021	.018	
2.0	.203	.162	.128	.174	.140	.111	.119	.097	.077	.069	.056	.045	.022	.018	.015	
3.0	.196	.145	.105	.168	.125	.091	.115	.087	.064	.066	.051	.038	.021	.016	.012	
4.0	.188	.132	.089	.161	.114	.077	.111	.079	.054	.064	.047	.032	.021	.015	.011	
5.0	.181	.122	.078	.155	.105	.068	.107	.073	.048	.062	.043	.028	.020	.014	.009	
6.0	.174	.113	.070	.149	.098	.061	.103	.069	.043	.060	.040	.026	.019	.013	.008	
7.0	.167	.106	.064	.143	.092	.056	.099	.065	.040	.058	.038	.024	.019	.012	.008	
8.0	.160	.101	.060	.138	.087	.052	.095	.061	.037	.056	.036	.022	.018	.012	.007	
9.0	.154	.096	.056	.133	.083	.049	.092	.058	.035	.054	.035	.021	.017	.011	.007	
10.0	.149	.092	.054	.128	.080	.047	.089	.056	.033	.052	.033	.020	.017	.011	.007	

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-2835-64-24-8-4.2-8-3000K-20-5M					TYPE: LED Strip			WEIGHT:		
SPECIFICATION: 2835/64D			CCT(K): 3000		DIMENSION: 1M*0.008M			SERIAL No.: 20220102001		
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	14.9	16.4	15.3	16.7	17.0	15.6	17.1	16.0	17.4	17.7
3H	16.1	17.5	16.5	17.8	18.1	17.4	18.8	17.7	19.1	19.4
4H	16.4	17.7	16.8	18.0	18.4	18.1	19.4	18.5	19.7	20.0
6H	16.4	17.7	16.8	18.0	18.4	18.6	19.8	19.0	20.2	20.5
8H	16.4	17.6	16.8	17.9	18.3	18.8	20.0	19.2	20.3	20.7
12H	16.4	17.5	16.8	17.9	18.3	19.0	20.1	19.4	20.5	20.9
4H 2H	15.6	16.9	16.0	17.2	17.6	16.2	17.5	16.5	17.8	18.1
3H	17.0	18.1	17.4	18.5	18.8	18.1	19.2	18.5	19.6	20.0
4H	17.4	18.4	17.8	18.8	19.2	18.9	19.9	19.3	20.3	20.7
6H	17.5	18.4	18.0	18.8	19.3	19.5	20.4	20.0	20.9	21.3
8H	17.5	18.4	18.0	18.8	19.3	19.8	20.6	20.3	21.1	21.6
12H	17.5	18.3	18.0	18.8	19.2	20.0	20.8	20.5	21.3	21.8
8H 4H	17.7	18.5	18.2	19.0	19.4	19.0	19.9	19.5	20.3	20.8
6H	17.9	18.6	18.4	19.1	19.6	19.8	20.5	20.3	21.0	21.5
8H	18.0	18.6	18.5	19.1	19.7	20.2	20.8	20.7	21.3	21.8
12H	18.1	18.6	18.6	19.1	19.7	20.5	21.1	21.1	21.6	22.1
12H 4H	17.7	18.5	18.2	19.0	19.4	19.0	19.8	19.5	20.2	20.7
6H	18.0	18.6	18.5	19.1	19.7	19.8	20.5	20.4	21.0	21.5
8H	18.1	18.7	18.7	19.2	19.7	20.2	20.8	20.8	21.3	21.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.3 / - 0.5					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.5					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 670.2 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.4)

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:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: RS-HE-2835-64-24-8-4.2-8-3000K-20-5M</b>		<b>TYPE: LED Strip</b>	<b>WEIGHT:</b>
<b>SPECIFICATION: 2835/64D</b>	<b>CCT(K): 3000</b>	<b>DIMENSION: 1M*0.008M</b>	<b>SERIAL No.: 20220102001</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	44	37	55	43	37	53	43	36	30
<b>0.80</b>	66	54	46	64	53	46	62	52	45	38
<b>1.00</b>	74	63	55	73	62	55	70	63	54	46
<b>1.25</b>	81	70	63	79	69	62	76	68	61	54
<b>1.50</b>	86	76	69	84	75	68	81	73	67	59
<b>2.00</b>	93	84	78	91	83	77	87	80	75	66
<b>2.50</b>	97	89	83	95	87	82	90	84	79	70
<b>3.00</b>	101	93	88	98	92	86	93	88	84	74
<b>4.00</b>	105	99	94	102	97	92	97	93	89	79
<b>5.00</b>	107	102	98	104	100	96	99	96	92	82
<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>			

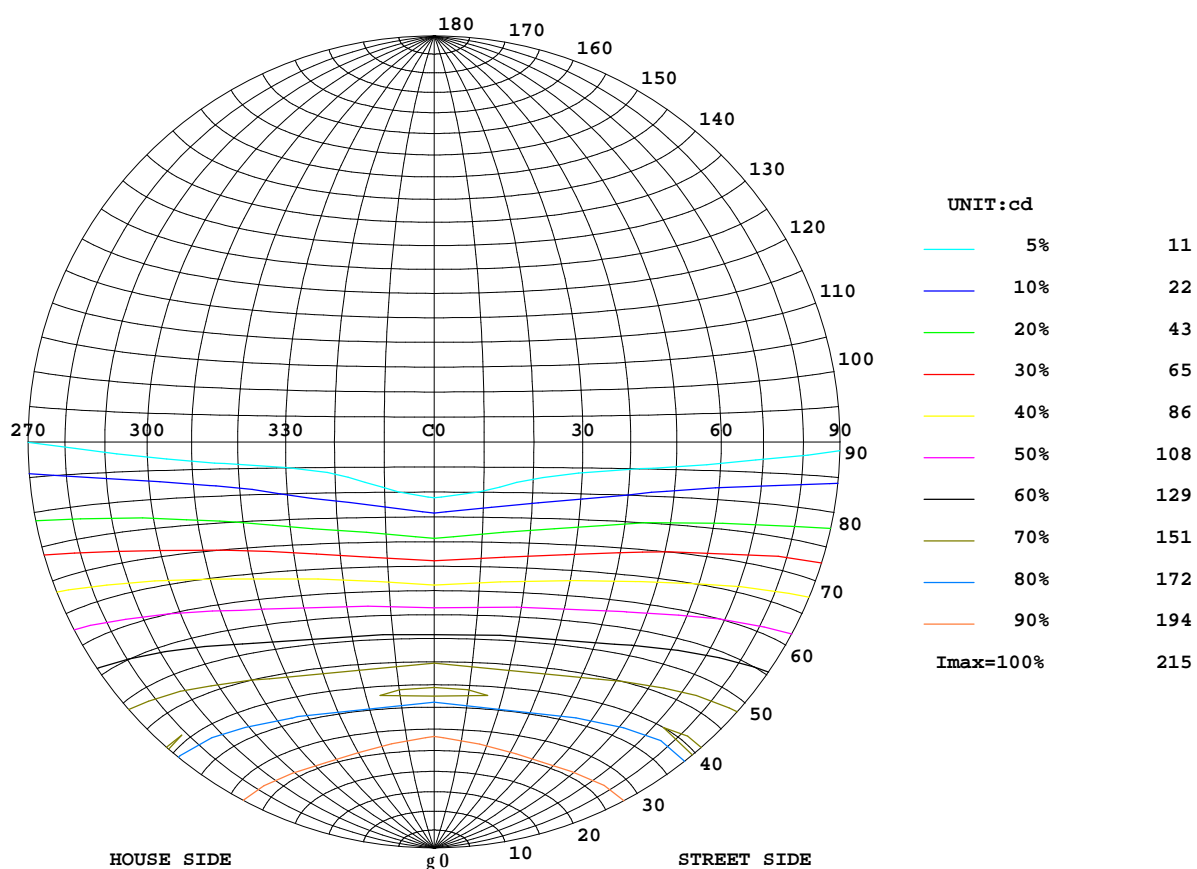
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022年01月02日

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-2835-64-24-8-4.2-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 1M*0.008M	SERIAL No.: 20220102001



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

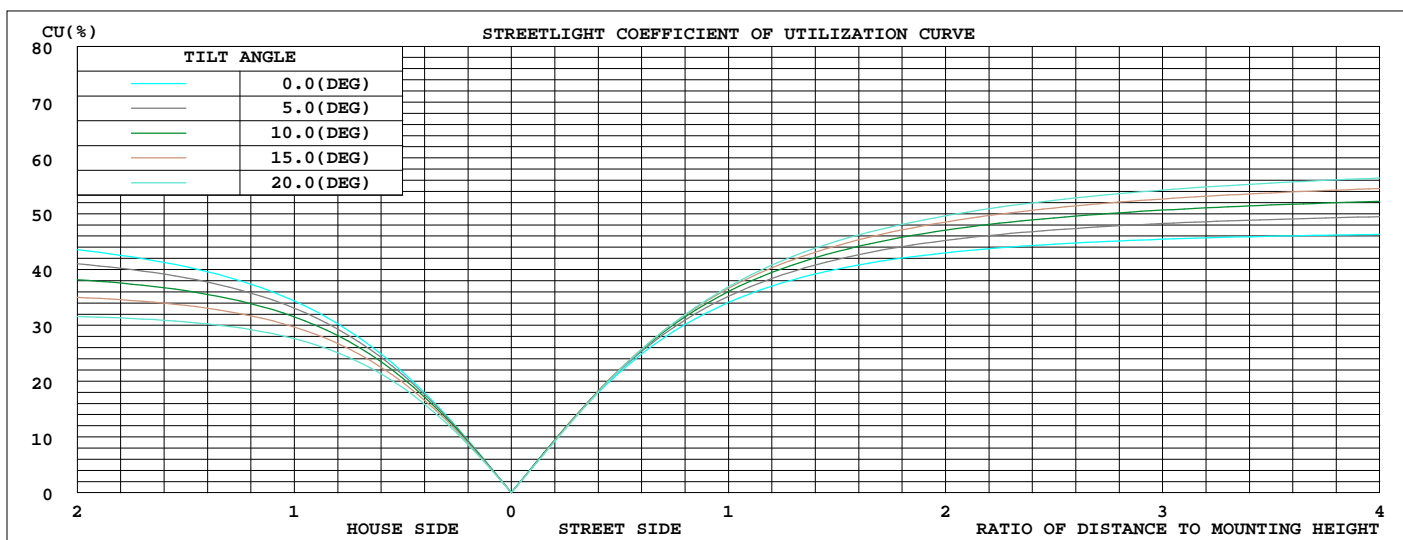
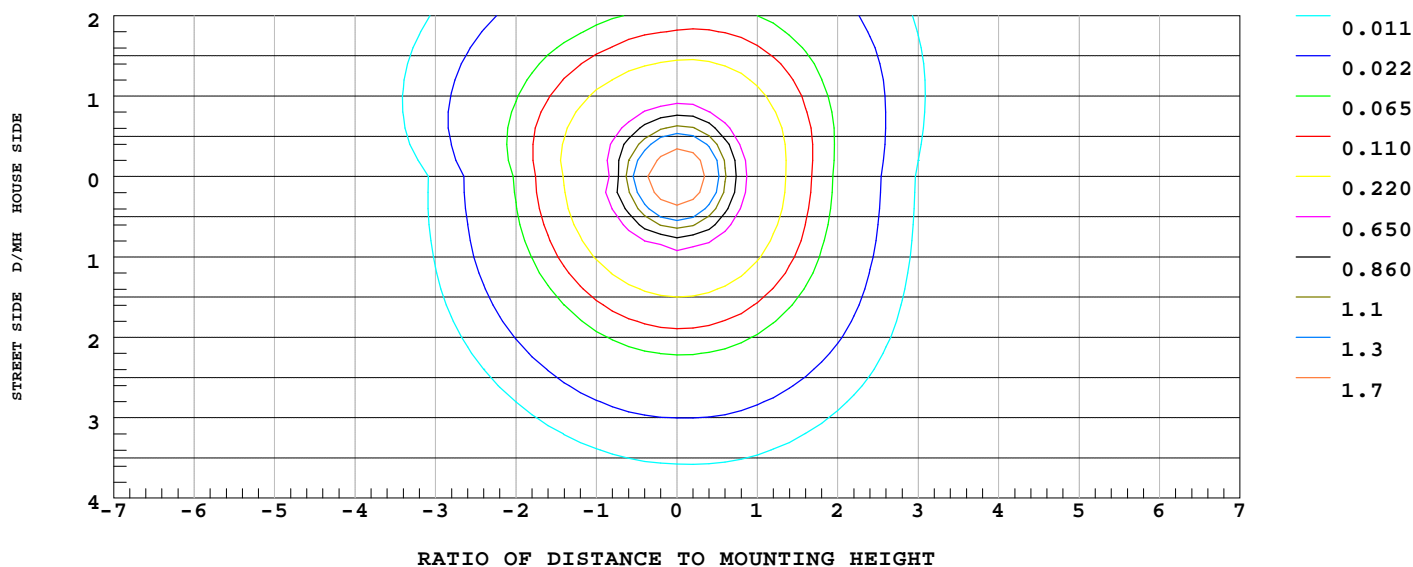
Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.800 m  
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: RS-HE-2835-64-24-8-4.2-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 1M*0.008M	SERIAL No.: 20220102001

ILLUMINANCE AT MH=10 m, Enadir = 2.15 lx



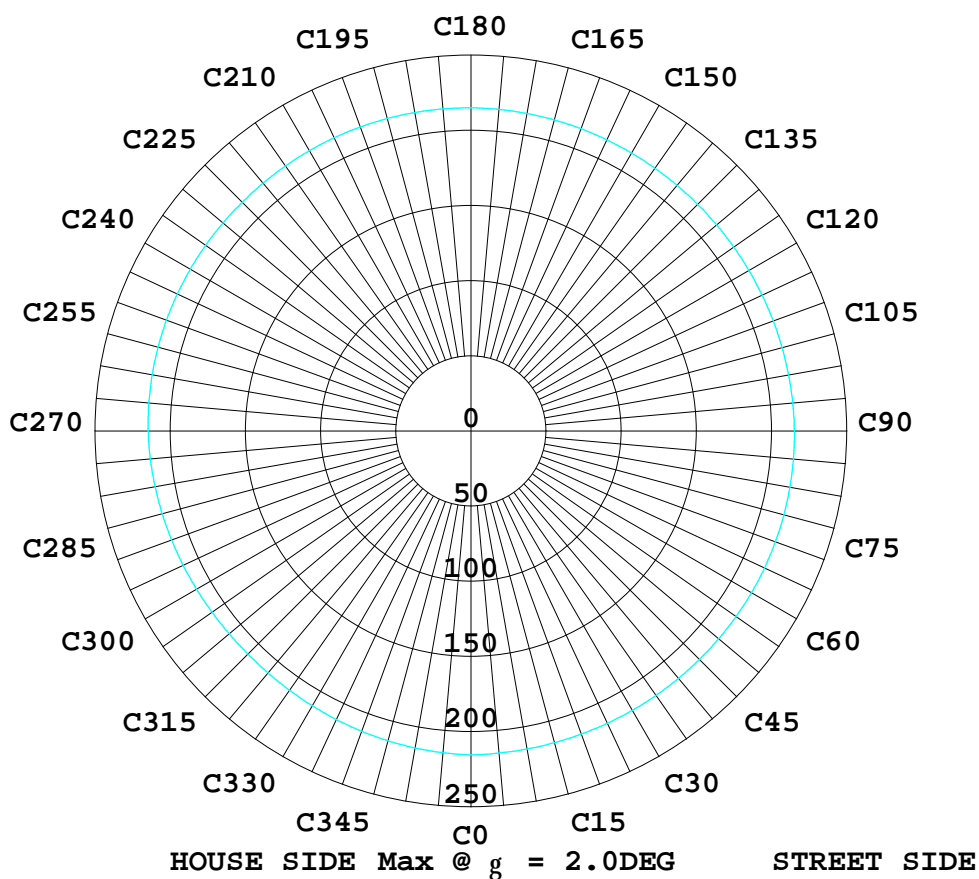
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022年01月02日

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-2835-64-24-8-4.2-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 1M*0.008M	SERIAL No.: 20220102001



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-2835-64-24-8-4.2-8-3000K-20-5M		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 1M*0.008M	SERIAL No.: 20220102001

UNIT: cd

γ (DEG)	C (DEG)							
	0	45	90	135	180	225	270	315
0.0	215	215	215	212	215	215	215	212
5.0	215	214	215	214	214	215	214	207
10.0	213	211	213	212	211	213	211	200
15.0	210	207	210	208	207	210	207	199
20.0	205	202	205	202	202	205	201	196
25.0	199	196	198	196	197	198	196	189
30.0	188	185	190	187	182	191	185	182
35.0	176	175	181	176	167	181	174	176
40.0	159	162	144	164	151	161	162	162
45.0	150	149	160	151	136	160	150	155
50.0	133	134	146	136	117	148	135	144
55.0	113	118	131	120	96.9	132	119	127
60.0	91.4	100	114	103	77.2	116	102	107
65.0	69.4	81.6	95.7	84.0	57.3	98.5	84.0	92.8
70.0	45.6	62.8	76.2	65.2	38.2	79.4	63.9	74.5
75.0	25.0	43.2	53.4	45.7	20.5	59.5	44.5	56.5
80.0	7.58	23.3	34.7	26.5	5.49	38.5	27.5	36.5
85.0	6.11	11.0	18.8	13.0	2.71	22.9	13.1	21.2
90.0	5.18	3.48	8.98	4.25	2.78	10.6	4.87	9.91
95.0	4.95	2.40	5.57	2.55	2.86	5.88	2.63	5.96
100.0	4.80	2.47	5.03	2.63	3.02	5.42	2.63	5.34
105.0	4.72	2.63	4.87	2.71	3.17	5.26	2.78	5.18
110.0	4.64	2.78	4.80	2.78	3.32	5.11	2.94	5.11
115.0	4.64	2.94	4.72	2.94	3.48	5.03	3.02	5.03
120.0	4.64	3.09	4.72	2.94	3.63	4.95	3.17	4.95
125.0	4.64	3.25	4.72	3.09	3.79	4.87	3.32	4.87
130.0	4.64	3.40	4.72	3.25	3.87	4.87	3.48	4.87
135.0	4.72	3.56	4.72	3.40	4.02	4.95	3.63	4.87
140.0	4.80	3.71	4.80	3.56	4.18	4.95	3.71	4.87
145.0	4.80	3.79	4.80	3.63	4.33	4.95	3.87	4.87
150.0	4.87	3.94	4.87	3.79	4.41	5.03	3.94	4.87
155.0	4.87	4.02	4.87	3.87	4.56	5.03	4.02	4.95
160.0	4.95	4.10	4.87	3.94	4.64	5.03	4.18	4.95
165.0	4.95	4.18	4.95	4.02	4.72	5.03	4.25	4.87
170.0	5.03	4.25	4.95	4.10	4.80	5.03	4.25	4.87
175.0	5.03	4.33	4.95	4.18	4.87	5.03	4.33	4.87
180.0	4.95	4.41	4.87	4.33	5.18	4.87	4.41	4.80

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: