

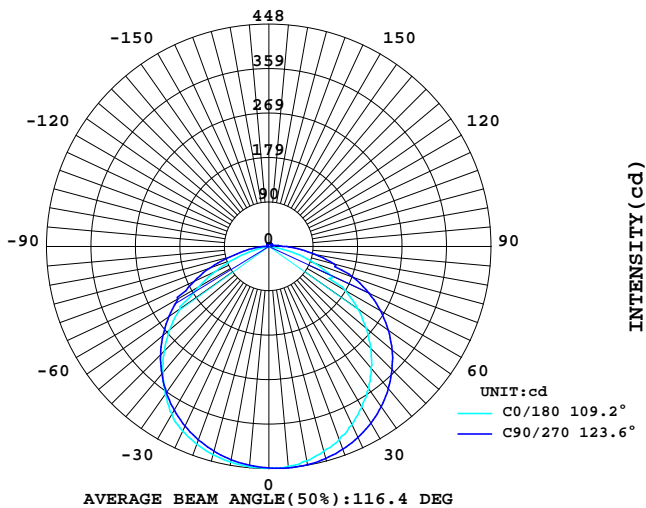
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

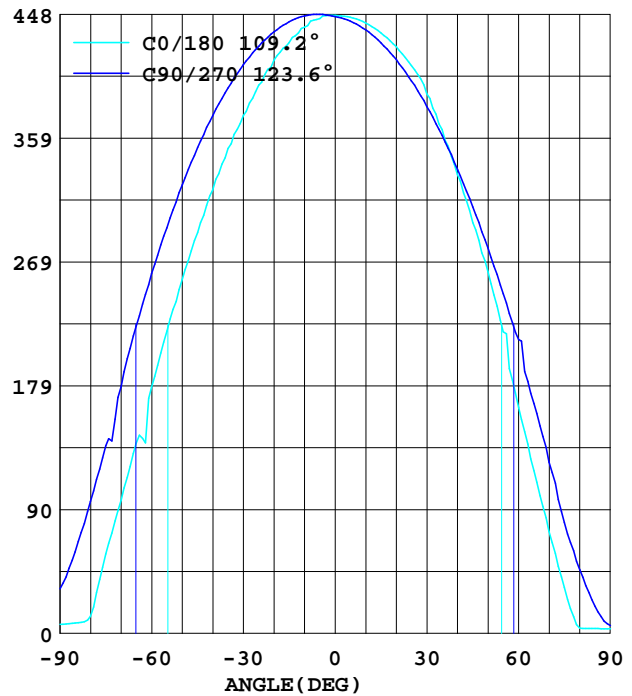
MANUFACTURER:			
Address:			
NAME: RS-BF2835-24V-120-10-20-CW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-003

DATA OF LAMP		Imax(cd)	448.4	S/MH(C0/180)	1.24
MODEL	2835	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.37
NOMINAL POWER(W)	15.57	TOTAL FLUX(lm)	1414.6	Voltage(V)	24.00
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	90.9	Current(A)	0.648
NOMINAL FLUX(lm)	1414.7	h up(%)	2.9	Power(W)	15.57
LAMPS QUANTITY	1	h down(%)	97.1	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	1355.6	EEL	0.156

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2019年08月20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-BF2835-24V-120-10-20-CW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-003

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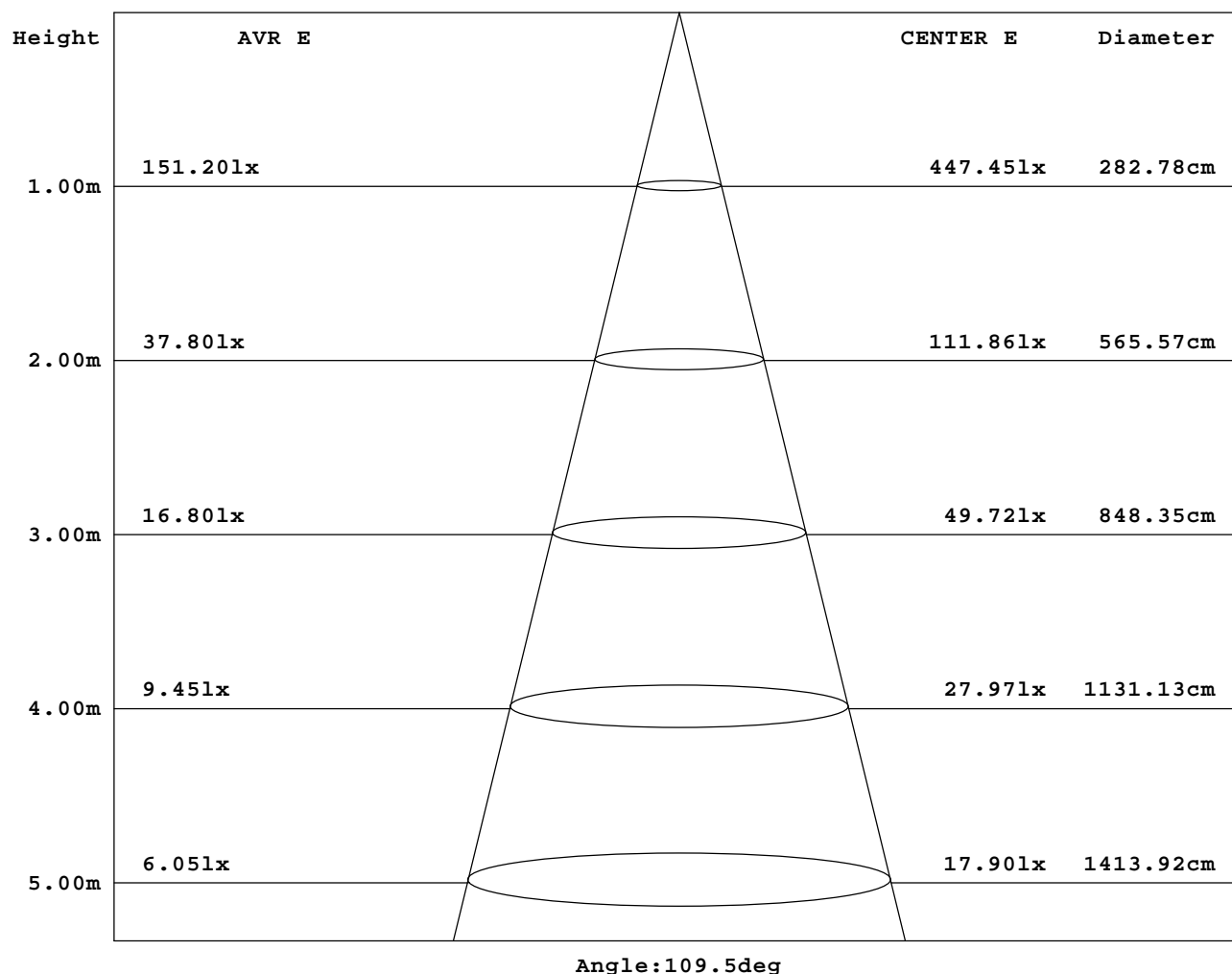
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2019年08月20日

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

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:			
Address:			
NAME: RS-BF2835-24V-120-10-20-CW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-003



Test System: HOPOO HPG1800  
Temperature: 25.3DEG  
Operators:  
Test Date: 2019年08月20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:

MANUFACTURER:			
Address:			
NAME: RS-BF2835-24V-120-10-20-CW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-003

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	tStal
5.0	445.2	447.2	448.2	448.1	446.1	445.5	443.3	446.2	0- 5	10.68	10.68
10.0	439.0	442.2	447.0	445.5	441.9	441.0	436.9	439.4	5- 10	31.75	42.44
15.0	427.8	438.6	442.8	439.8	434.7	433.2	427.5	429.2	10- 15	51.94	94.39
20.0	414.9	430.3	435.4	430.9	424.6	422.9	415.4	417.7	15- 20	70.72	165.1
25.0	397.0	418.4	424.9	418.8	411.1	409.1	399.9	409.2	20- 25	87.55	252.6
30.0	374.8	404.0	411.8	404.1	390.7	392.3	381.4	392.3	25- 30	101.9	354.5
35.0	351.0	385.7	394.9	385.6	364.8	373.0	360.7	372.8	30- 35	113.0	467.5
40.0	321.0	364.1	374.6	363.7	332.1	349.7	336.1	349.3	35- 40	120.5	588.1
45.0	290.0	340.1	351.8	339.3	297.4	323.3	308.6	322.6	40- 45	124.2	712.4
50.0	256.2	311.5	324.6	310.5	262.2	294.6	279.2	293.9	45- 50	123.9	836.3
55.0	218.7	279.3	293.7	278.0	218.3	261.7	245.8	260.8	50- 55	119.3	955.7
60.0	178.1	245.1	260.5	243.5	163.6	225.7	212.8	224.5	55- 60	110.1	1066
65.0	137.7	214.3	222.6	213.9	117.7	188.2	166.4	186.9	60- 65	96.44	1162
70.0	96.41	158.3	178.7	156.0	73.72	145.8	123.9	146.1	65- 70	78.85	1241
75.0	57.61	117.0	135.9	111.5	33.29	110.1	80.30	109.5	70- 75	59.95	1301
80.0	12.39	74.49	95.56	60.71	3.794	70.78	46.23	70.62	75- 80	39.41	1340
85.0	7.511	38.17	58.93	36.86	3.484	35.23	19.51	35.69	80- 85	22.54	1363
90.0	6.504	14.71	32.21	15.17	3.407	13.16	5.575	14.01	85- 90	11.13	1374
95.0	6.117	8.905	20.98	7.976	3.717	7.898	3.484	7.821	90- 95	5.277	1379
100.0	5.962	3.175	14.32	3.175	4.026	7.434	3.717	7.356	95-100	3.888	1383
105.0	5.885	3.484	7.124	3.562	4.259	7.279	4.026	7.666	100-105	3.009	1386
110.0	5.885	4.336	6.582	3.717	4.568	7.124	4.259	7.124	105-110	2.844	1389
115.0	5.962	4.259	6.427	3.949	4.878	7.047	4.568	6.969	110-115	2.788	1392
120.0	6.040	4.259	6.427	4.181	5.111	7.047	4.878	6.892	115-120	2.699	1395
125.0	6.195	4.568	6.504	4.491	5.420	6.969	5.111	6.969	120-125	2.629	1397
130.0	6.350	4.878	6.582	4.723	5.730	7.047	5.420	7.124	125-130	2.556	1400
135.0	6.504	5.188	6.659	5.111	5.962	7.201	5.653	7.201	130-135	2.458	1402
140.0	6.659	5.498	6.814	5.420	6.272	7.279	5.962	7.279	135-140	2.329	1405
145.0	6.814	5.730	6.969	5.653	6.504	7.434	6.117	7.434	140-145	2.166	1407
150.0	6.969	5.962	7.124	5.885	6.737	7.511	6.350	7.511	145-150	1.962	1409
155.0	7.124	6.117	7.201	6.117	6.892	7.589	6.504	7.589	150-155	1.725	1411
160.0	7.279	6.350	7.356	6.272	7.124	7.589	6.582	7.589	155-160	1.458	1412
165.0	7.356	6.504	7.434	6.427	7.279	7.666	6.737	7.589	160-165	1.164	1413
170.0	7.511	6.659	7.511	6.582	7.356	7.589	6.814	7.589	165-170	0.849	1414
175.0	7.589	6.737	7.589	6.659	7.434	7.589	6.814	7.589	170-175	0.517	1414
180.0	7.511	6.892	7.511	6.892	7.744	7.434	6.892	7.434	175-180	0.174	1415
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2019年08月20日

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

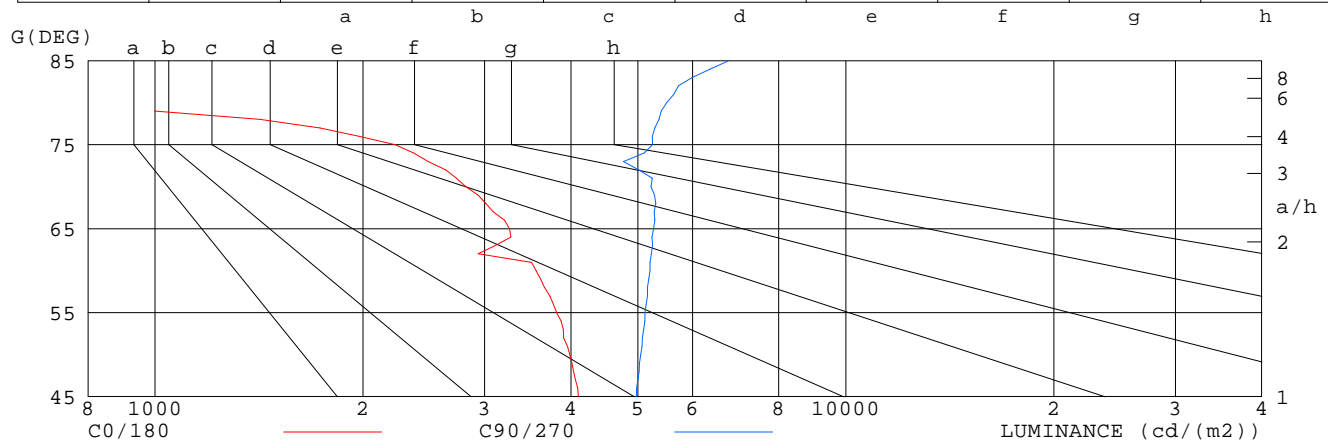
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME: RS-BF2835-24V-120-10-20-CW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-003

## 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



LUMINANCE cd/m2		
G (DEG)	C0/180	C90/270
85	862	6762
80	714	5503
75	2226	5254
70	2819	5226
65	3260	5268
60	3564	5210
55	3814	5121
50	3987	5050
45	4102	4976

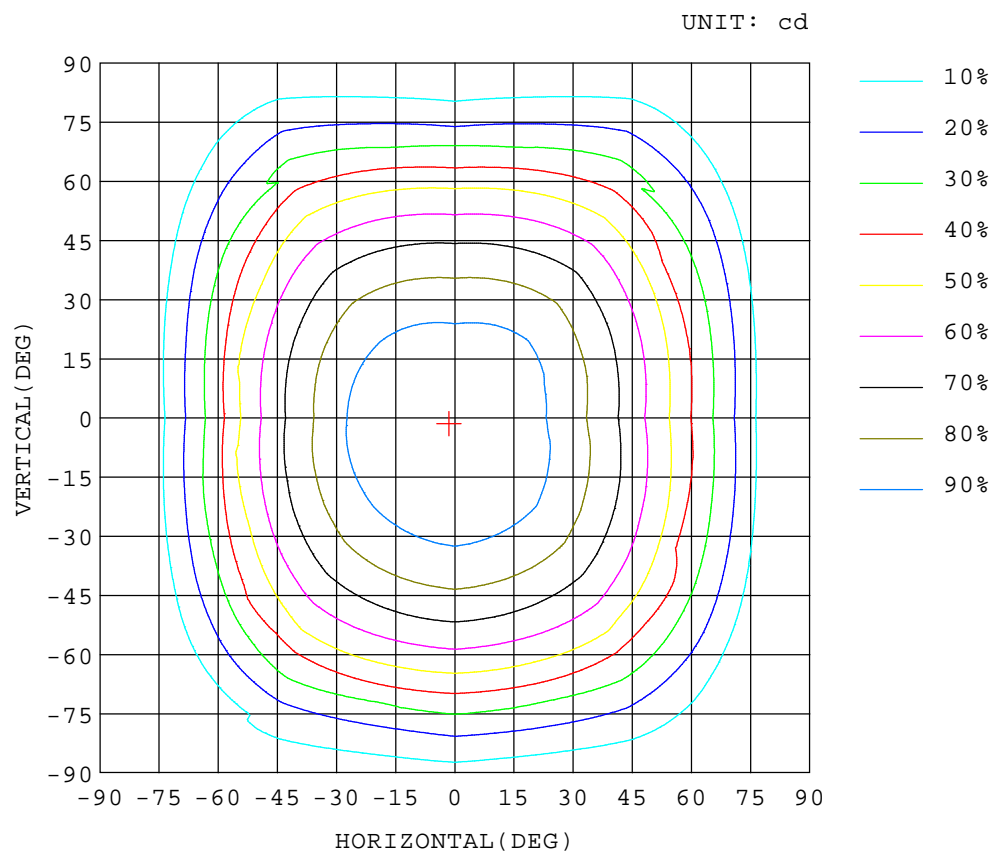
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2019年08月20日

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-BF2835-24V-120-10-20-CW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-003



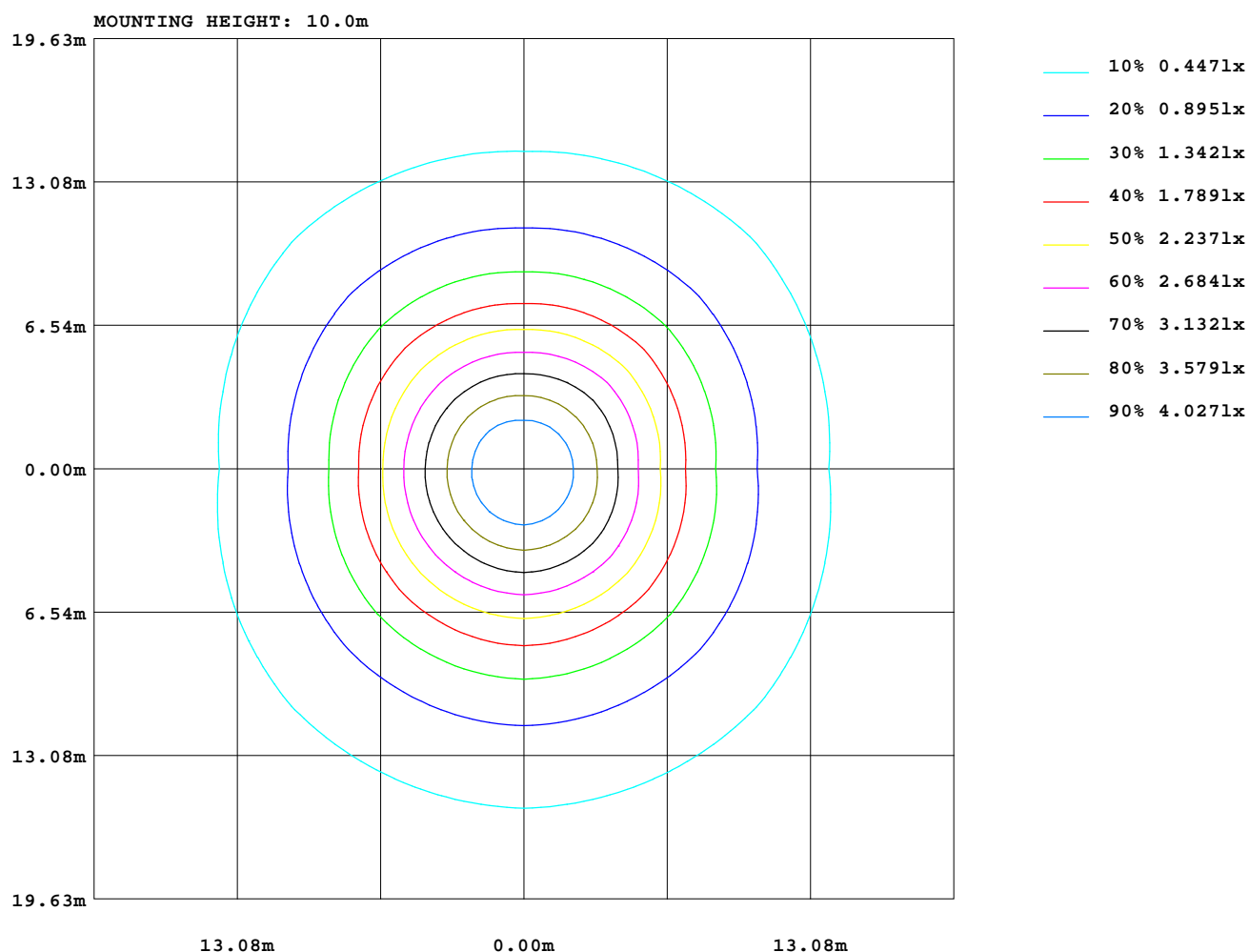
Test System: HOPOO HPG1800  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2019年08月20日

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-BF2835-24V-120-10-20-CW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-003



Test System: HOPOO HPG1800  
Temperature: 25.3DEG  
Operators:  
Test Date: 2019年08月20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-BF2835-24V-120-10-20-CW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-003

		AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
VERTICAL(DEG)	90																				
	80	0.01	0.07	0.17	0.35	0.59	0.71	0.77	0.77	0.71	0.71	0.77	0.78	0.72	0.61	0.38	0.20	0.09	0.02	8.42	1.13
	70	0.02	0.10	0.33	0.82	1.55	2.06	2.40	2.58	2.58	2.57	2.57	2.39	2.05	1.55	0.84	0.36	0.12	0.02	24.9	23.3
	60	0.02	0.13	0.54	1.43	2.64	3.59	4.34	4.87	5.11	5.11	4.86	4.33	3.58	2.66	1.52	0.60	0.16	0.03	45.5	44.7
	50	0.02	0.17	0.82	2.03	3.61	5.20	6.33	7.12	7.46	7.46	7.11	6.31	5.18	3.65	2.15	0.96	0.21	0.03	65.8	65.3
	40	0.02	0.21	1.08	2.60	4.58	6.53	7.95	8.92	9.36	9.36	8.91	7.94	6.51	4.60	2.72	1.26	0.29	0.03	82.9	82.5
	30	0.02	0.27	1.31	3.11	5.37	7.55	9.28	10.4	10.9	10.9	10.4	9.27	7.51	5.36	3.20	1.50	0.37	0.03	96.8	96.5
		0.02	0.31	1.48	3.50	5.95	8.28	10.2	11.5	12.1	12.1	11.5	10.2	8.20	5.89	3.57	1.67	0.44	0.03	107	107
		0.01	0.33	1.58	3.75	6.31	8.79	10.9	12.3	12.9	12.8	12.1	10.7	8.62	6.20	3.81	1.74	0.48	0.03	114	113
		0.01	0.32	1.58	3.82	6.45	9.04	11.2	12.6	13.4	13.3	12.5	10.9	8.75	6.29	3.86	1.76	0.48	0.02	117	116
		0.01	0.32	1.60	3.85	6.49	9.09	11.3	12.7	13.5	13.4	12.6	10.9	8.81	6.33	3.89	1.78	0.48	0.02	117	117
		0.01	0.33	1.61	3.82	6.42	8.94	11.1	12.5	13.3	13.3	12.5	10.9	8.78	6.32	3.89	1.78	0.48	0.03	116	116
	-30	0.02	0.31	1.54	3.61	6.13	8.54	10.5	12.0	12.7	12.7	12.0	10.5	8.47	6.09	3.69	1.73	0.45	0.03	111	111
	-40	0.02	0.26	1.36	3.26	5.61	7.89	9.78	11.1	11.8	11.8	11.1	9.79	7.89	5.63	3.37	1.56	0.38	0.03	103	103
	-50	0.02	0.20	1.12	2.78	4.87	6.96	8.61	9.83	10.5	10.5	9.84	8.63	6.99	4.94	2.92	1.31	0.30	0.03	90.4	90.1
	-60	0.02	0.16	0.81	2.14	3.94	5.73	7.11	8.16	8.79	8.79	8.18	7.13	5.76	4.01	2.30	0.99	0.22	0.03	74.3	73.8
-70	0.02	0.13	0.49	1.42	2.75	4.04	5.20	6.08	6.61	6.62	6.10	5.23	4.09	2.86	1.60	0.63	0.17	0.03	54.1	53.2	
-80	0.02	0.10	0.34	0.76	1.47	2.24	2.96	3.55	3.95	3.97	3.62	3.08	2.42	1.66	0.90	0.38	0.13	0.02	31.6	30.0	
-90	0.01	0.07	0.19	0.38	0.65	0.95	1.24	1.52	1.75	1.76	1.55	1.27	0.97	0.66	0.39	0.21	0.09	0.02	13.7	7.89	
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)				20	30	40	50	60	70	80	90
Φ t	0.29	3.77	17.9	43.5	75.4	106	131	149	158	158	148	131	105	75.3	45.0	20.4	5.32	0.47	1415		
Φ a	0.00	1.64	16.1	42.0	74.3	105	130	148	157	157	147	129	104	74.3	43.7	18.8	3.28	0.00		1356	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019年08月20日

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



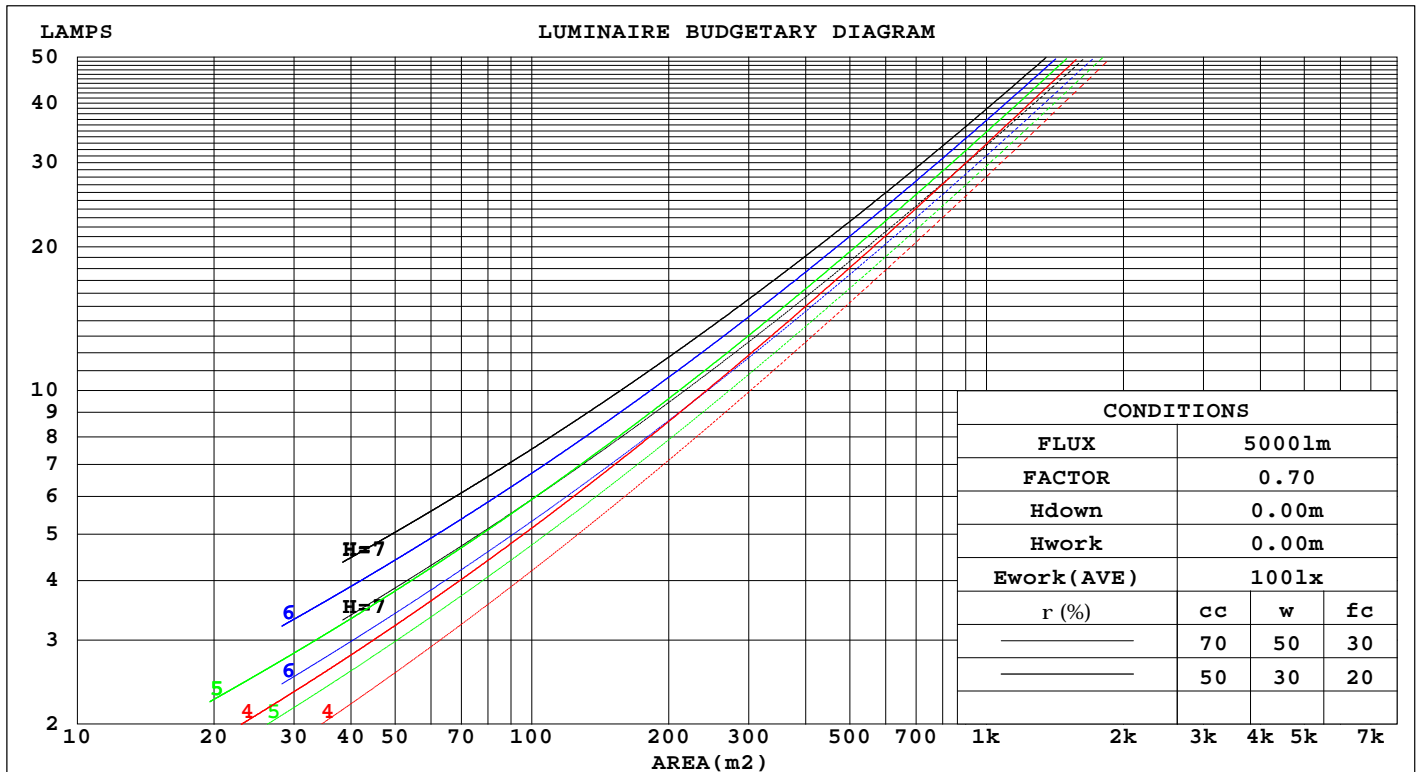
# GONIOPHOTOMETERS SYSTEM TEST REPORT

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: RS-BF2835-24V-120-10-20-CW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-003

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
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.03	.98	.94	1.00	.96	.93	.95	.92	.89	.91	.88	.86	.87	.85	.83	.81
2.0	.89	.82	.76	.87	.81	.75	.83	.78	.73	.79	.75	.71	.76	.72	.69	.67
3.0	.78	.70	.63	.76	.69	.62	.73	.66	.61	.70	.64	.59	.67	.62	.58	.56
4.0	.69	.60	.53	.67	.59	.53	.65	.57	.52	.62	.56	.51	.59	.54	.50	.47
5.0	.61	.52	.46	.60	.52	.45	.58	.50	.44	.55	.49	.44	.53	.48	.43	.41
6.0	.55	.46	.40	.54	.46	.39	.52	.44	.39	.50	.43	.38	.48	.42	.38	.35
7.0	.50	.41	.35	.49	.41	.35	.47	.40	.34	.45	.39	.34	.44	.38	.33	.31
8.0	.45	.37	.31	.45	.36	.31	.43	.36	.30	.42	.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	.30	.25	.38	.30	.25	.37	.30	.25	.35	.29	.24	.34	.28	.24	.22



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019年08月20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:

MANUFACTURER:											
Address:											
NAME: RS-BF2835-24V-120-10-20-CW						TYPE: IP20			WEIGHT:		
SPECIFICATION: 1M				CCT(K): 0			DIMENSION: 1000*10MM			SERIAL No.: 190820-003	

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	.318	.181	.057	.310	.177	.056	.295	.169	.054	.281	.162	.052	.268	.156	.050	
2.0	.297	.163	.050	.290	.159	.049	.276	.154	.048	.264	.148	.046	.253	.143	.045	
3.0	.274	.146	.044	.267	.143	.043	.255	.138	.042	.245	.134	.041	.234	.130	.040	
4.0	.252	.131	.038	.246	.129	.038	.236	.125	.037	.226	.121	.037	.217	.118	.036	
5.0	.233	.119	.034	.228	.117	.034	.218	.114	.033	.209	.110	.033	.201	.108	.032	
6.0	.215	.108	.031	.211	.107	.031	.203	.104	.030	.195	.101	.030	.187	.099	.029	
7.0	.200	.099	.028	.196	.098	.028	.189	.095	.027	.182	.093	.027	.175	.091	.027	
8.0	.187	.091	.026	.183	.090	.026	.176	.088	.025	.170	.086	.025	.164	.084	.025	
9.0	.175	.085	.024	.172	.084	.023	.166	.082	.023	.160	.080	.023	.154	.078	.023	
10.0	.164	.079	.022	.162	.078	.022	.156	.076	.022	.151	.075	.021	.146	.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	
rfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.212	.212	.212	.181	.181	.181	.124	.124	.124	.071	.071	.071	.023	.023	.023		
1.0	.203	.178	.156	.174	.153	.134	.119	.105	.093	.068	.061	.054	.022	.020	.017		
2.0	.195	.154	.120	.167	.133	.103	.114	.092	.072	.066	.053	.042	.021	.017	.014		
3.0	.187	.137	.096	.161	.118	.083	.110	.082	.058	.064	.048	.034	.020	.016	.011		
4.0	.180	.123	.080	.154	.107	.070	.106	.074	.049	.061	.044	.029	.020	.014	.010		
5.0	.172	.113	.069	.148	.098	.060	.102	.068	.043	.059	.040	.025	.019	.013	.008		
6.0	.165	.105	.061	.142	.091	.053	.098	.064	.038	.057	.037	.022	.018	.012	.007		
7.0	.159	.098	.056	.136	.085	.048	.094	.060	.034	.055	.035	.020	.018	.011	.007		
8.0	.152	.092	.051	.131	.080	.045	.091	.056	.032	.053	.033	.019	.017	.011	.006		
9.0	.146	.087	.048	.126	.076	.042	.087	.053	.030	.051	.031	.018	.016	.010	.006		
10.0	.140	.083	.045	.121	.072	.039	.084	.051	.028	.049	.030	.017	.016	.010	.006		

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019年08月20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-BF2835-24V-120-10-20-CW						TYPE: IP20		WEIGHT:			
SPECIFICATION: 1M			CCT(K): 0			DIMENSION: 1000*10MM		SERIAL No.: 190820-003			
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	2H	17.6	19.1	17.9	19.3	19.6	18.9	20.4	19.2	20.6	20.9
	3H	18.8	20.2	19.2	20.5	20.8	20.7	22.1	21.1	22.4	22.7
	4H	19.2	20.5	19.6	20.8	21.1	21.5	22.8	21.8	23.1	23.4
	6H	19.3	20.5	19.6	20.8	21.2	22.2	23.4	22.6	23.8	24.1
	8H	19.2	20.4	19.6	20.8	21.1	22.5	23.7	22.9	24.0	24.4
	12H	19.2	20.4	19.6	20.7	21.1	22.8	23.9	23.2	24.3	24.7
4H	2H	18.5	19.8	18.9	20.1	20.5	19.5	20.8	19.8	21.1	21.4
	3H	20.0	21.1	20.4	21.5	21.8	21.5	22.6	21.9	23.0	23.4
	4H	20.5	21.5	20.9	21.9	22.3	22.4	23.4	22.8	23.8	24.2
	6H	20.7	21.6	21.1	22.0	22.4	23.2	24.2	23.7	24.6	25.0
	8H	20.7	21.5	21.1	21.9	22.4	23.6	24.5	24.1	24.9	25.4
	12H	20.7	21.5	21.1	21.9	22.4	24.0	24.8	24.5	25.2	25.7
8H	4H	21.0	21.8	21.4	22.3	22.7	22.6	23.5	23.1	23.9	24.4
	6H	21.3	22.1	21.8	22.5	23.0	23.7	24.4	24.2	24.9	25.3
	8H	21.4	22.1	21.9	22.5	23.1	24.2	24.8	24.7	25.3	25.8
	12H	21.5	22.0	22.0	22.5	23.1	24.7	25.2	25.2	25.7	26.3
12H	4H	21.1	21.9	21.5	22.3	22.8	22.6	23.4	23.1	23.9	24.3
	6H	21.5	22.2	22.0	22.6	23.1	23.7	24.4	24.2	24.8	25.3
	8H	21.7	22.2	22.2	22.7	23.3	24.3	24.8	24.8	25.3	25.9
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H		+ 0.3 / - 0.5					+ 0.2 / - 0.3				
2.0H		+ 0.3 / - 0.6					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 1415 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.2)

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019年08月20日

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

## UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:			
Address:			
NAME: RS-BF2835-24V-120-10-20-CW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-003

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) $k(RI) \times RCR = 5$									
$k = 0.60$	56	44	37	55	44	37	53	43	36	30
0.80	66	54	46	65	53	46	63	52	46	38
1.00	74	63	55	73	62	55	70	63	54	47
1.25	81	70	63	80	70	63	77	68	62	54
1.50	86	76	69	84	75	68	81	73	67	59
2.00	93	84	78	91	83	77	87	81	75	67
2.50	97	89	83	95	88	82	91	85	80	71
3.00	101	94	88	98	92	87	94	89	84	75
4.00	105	99	94	102	97	92	98	93	89	80
5.00	107	102	98	105	100	96	100	96	93	83
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

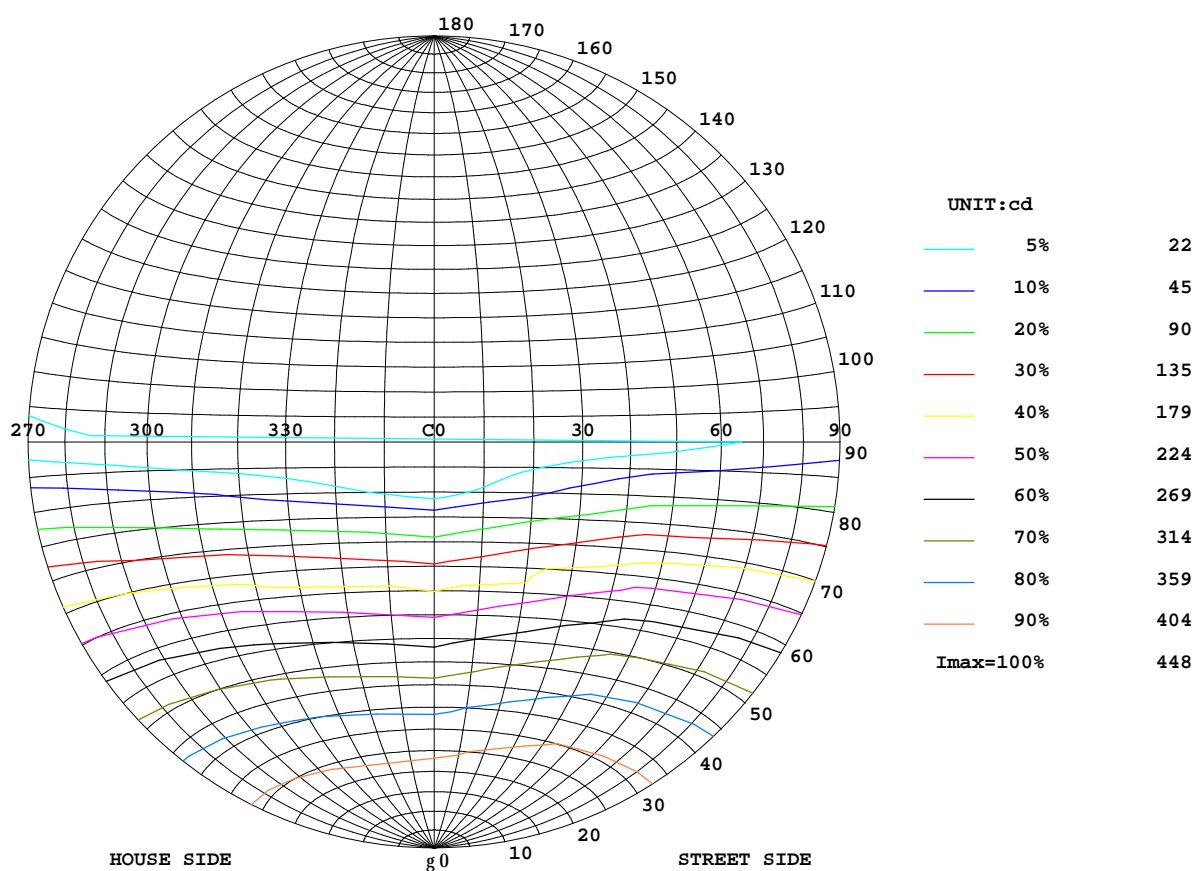
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019年08月20日

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-BF2835-24V-120-10-20-CW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-003



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2019年08月20日

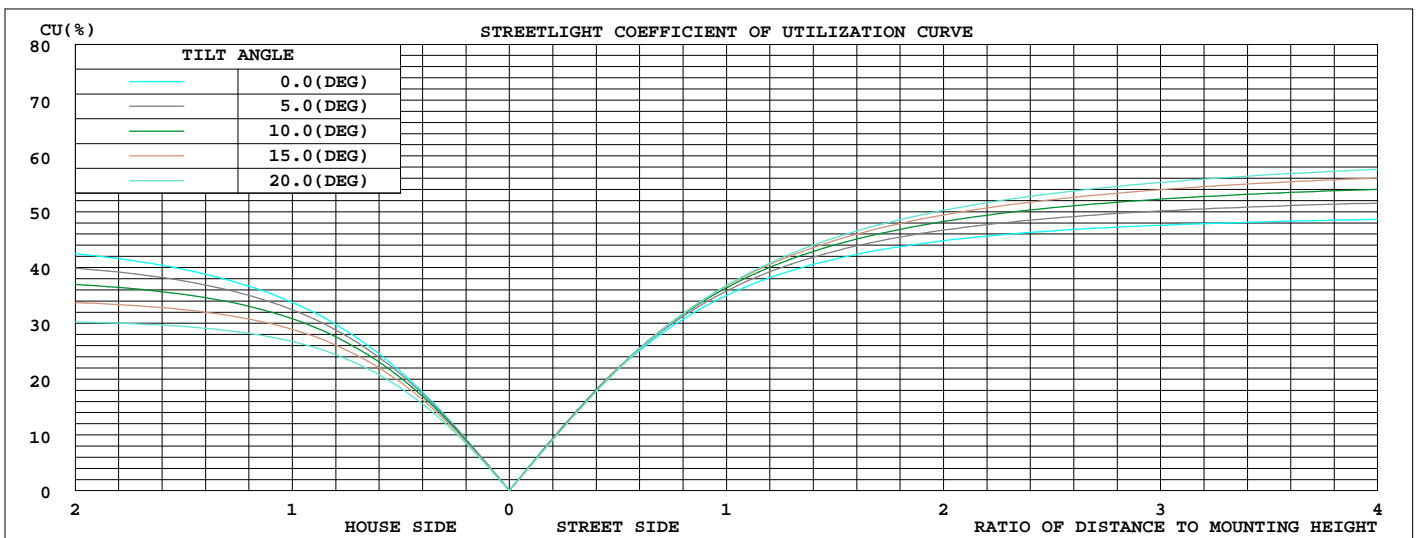
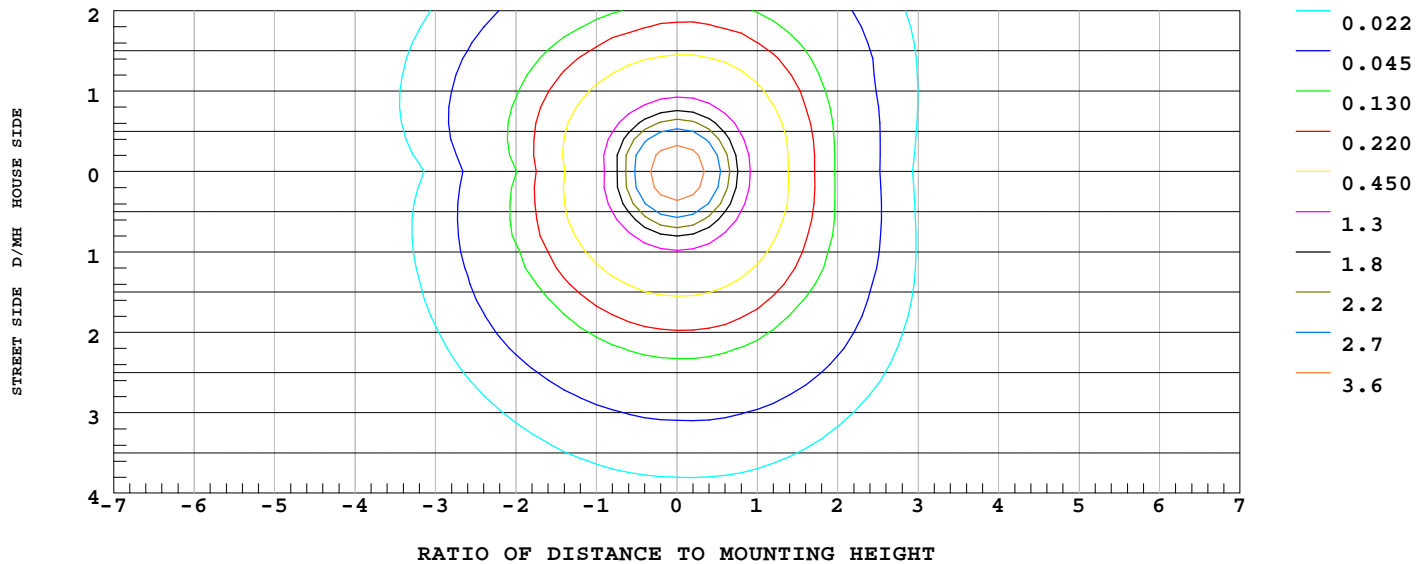
Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.800 m  
Remarks:

## ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: RS-BF2835-24V-120-10-20-CW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-003

ILLUMINANCE AT MH=10 m, Enadir = 4.47 lx



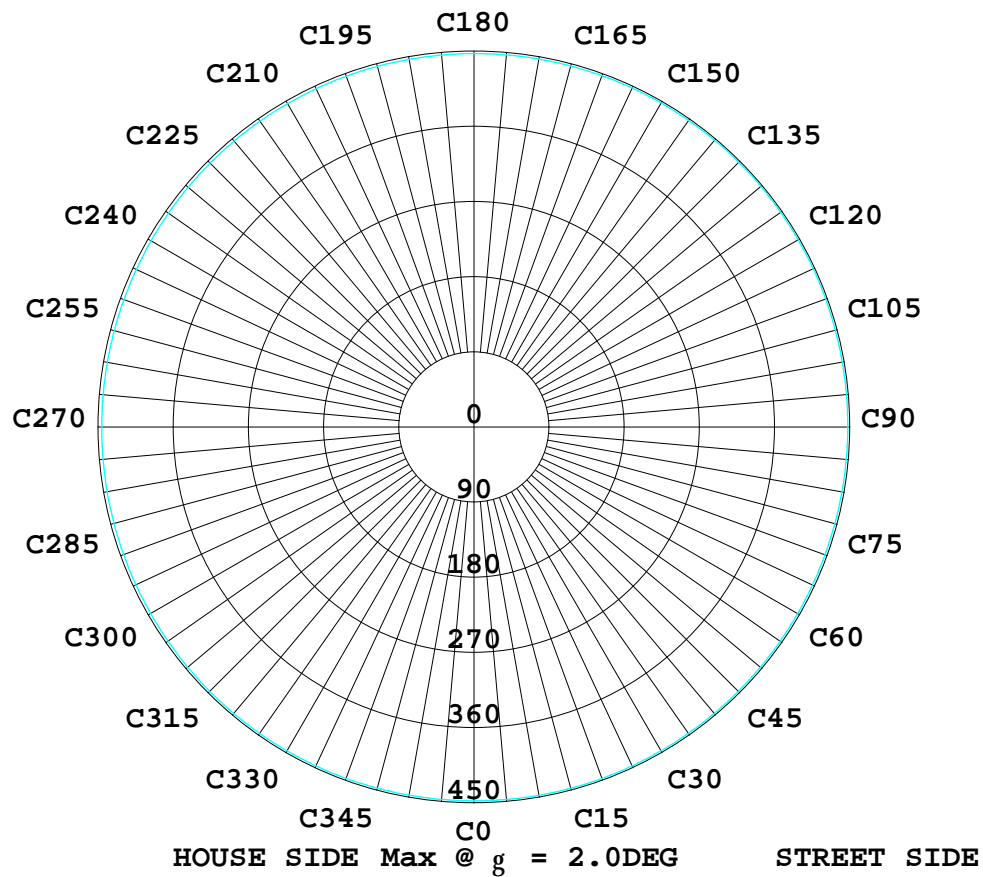
Test System: HOPOO HPG1800  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2019年08月20日

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-BF2835-24V-120-10-20-CW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-003



Test System: HOPOO HPG1800  
Temperature: 25.3DEG  
Operators:  
Test Date: 2019年08月20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-BF2835-24V-120-10-20-CW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-003

UNIT: cd

C(DEG)	0	45	90	135	180	225	270	315
γ (DEG)								
0.0	447	447	447	448	447	447	447	448
5.0	445	447	448	448	446	446	443	446
10.0	439	442	447	446	442	441	437	439
15.0	428	439	443	440	435	433	428	429
20.0	415	430	435	431	425	423	415	418
25.0	397	418	425	419	411	409	400	409
30.0	375	404	412	404	391	392	381	392
35.0	351	386	395	386	365	373	361	373
40.0	321	364	375	364	332	350	336	349
45.0	290	340	352	339	297	323	309	323
50.0	256	312	325	311	262	295	279	294
55.0	219	279	294	278	218	262	246	261
60.0	178	245	261	244	164	226	213	225
65.0	138	214	223	214	118	188	166	187
70.0	96.4	158	179	156	73.7	146	124	146
75.0	57.6	117	136	112	33.2	110	80.3	110
80.0	12.3	74.4	95.5	60.7	3.79	70.7	46.2	70.6
85.0	7.51	38.1	58.9	36.8	3.48	35.2	19.5	35.6
90.0	6.50	14.7	32.2	15.1	3.40	13.1	5.57	14.0
95.0	6.11	8.90	20.9	7.97	3.71	7.89	3.48	7.82
100.0	5.96	3.17	14.3	3.17	4.02	7.43	3.71	7.35
105.0	5.88	3.48	7.12	3.56	4.25	7.27	4.02	7.66
110.0	5.88	4.33	6.58	3.71	4.56	7.12	4.25	7.12
115.0	5.96	4.25	6.42	3.94	4.87	7.04	4.56	6.96
120.0	6.04	4.25	6.42	4.18	5.11	7.04	4.87	6.89
125.0	6.19	4.56	6.50	4.49	5.42	6.96	5.11	6.96
130.0	6.35	4.87	6.58	4.72	5.73	7.04	5.42	7.12
135.0	6.50	5.18	6.65	5.11	5.96	7.20	5.65	7.20
140.0	6.65	5.49	6.81	5.42	6.27	7.27	5.96	7.27
145.0	6.81	5.73	6.96	5.65	6.50	7.43	6.11	7.43
150.0	6.96	5.96	7.12	5.88	6.73	7.51	6.35	7.51
155.0	7.12	6.11	7.20	6.11	6.89	7.58	6.50	7.58
160.0	7.27	6.35	7.35	6.27	7.12	7.58	6.58	7.58
165.0	7.35	6.50	7.43	6.42	7.27	7.66	6.73	7.58
170.0	7.51	6.65	7.51	6.58	7.35	7.58	6.81	7.58
175.0	7.58	6.73	7.58	6.65	7.43	7.58	6.81	7.58
180.0	7.51	6.89	7.51	6.89	7.74	7.43	6.89	7.43

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2019年08月20日

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