

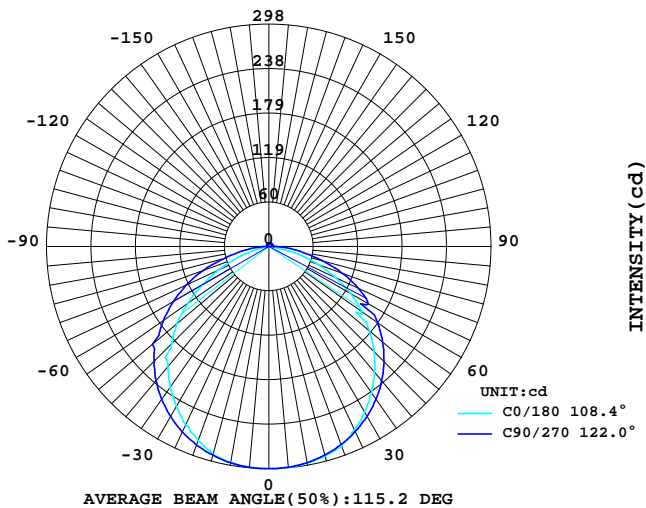
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

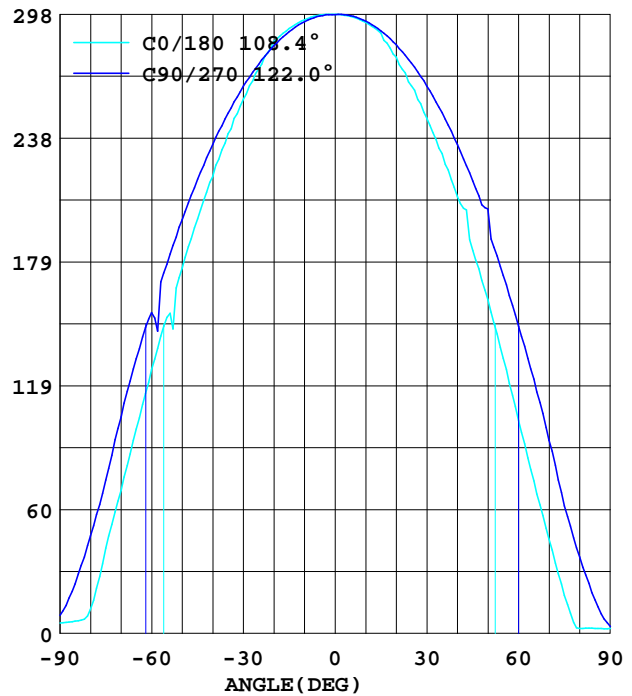
MANUFACTURER:			
Address:			
NAME: RS-BF2835-24V-120-10-20-NW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-001

DATA OF LAMP		Imax(cd)	298.1	S/MH(C0/180)	1.28
MODEL	2835	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.32
NOMINAL POWER(W)	8.64	TOTAL FLUX(lm)	927.71	Voltage(V)	24.00
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	107.4	Current(A)	0.360
NOMINAL FLUX(lm)	927.7	h up(%)	2.8	Power(W)	8.640
LAMPS QUANTITY	1	h down(%)	97.2	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	889.4	EEL	0.124

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-NW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-001

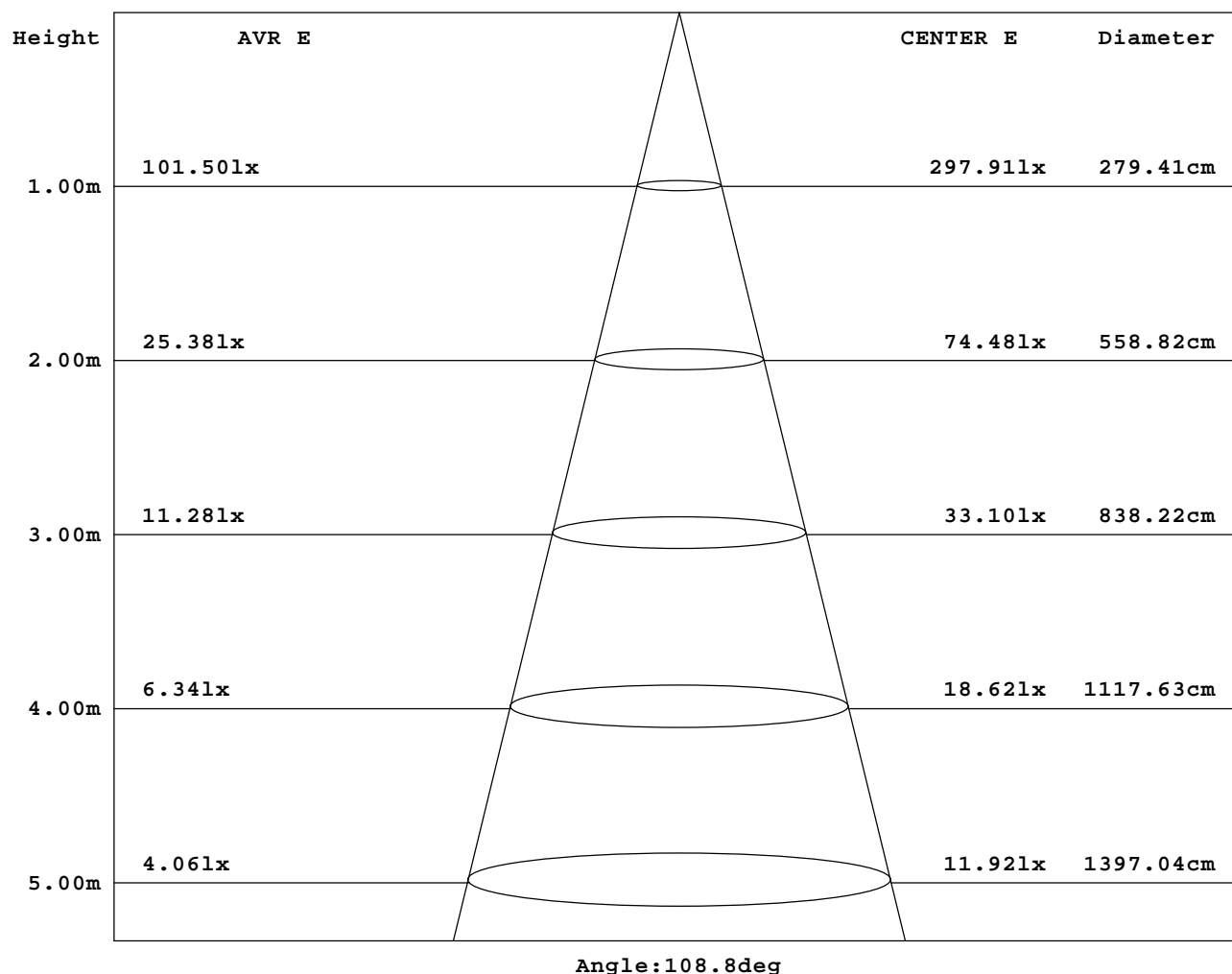
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年08月20日

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-NW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-001



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-NW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-001

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	tBtal
5.0	297.5	296.3	297.0	296.3	296.9	297.9	297.2	297.3	0- 5	7.112	7.112
10.0	295.2	292.9	294.2	293.2	293.9	296.1	294.6	295.2	5- 10	21.16	28.27
15.0	291.0	287.6	289.5	288.2	288.6	292.2	289.7	291.0	10- 15	34.66	62.93
20.0	284.7	280.1	282.7	280.9	277.2	286.5	283.2	284.9	15- 20	47.15	110.0
25.0	271.7	270.6	273.8	271.6	263.4	278.4	274.3	276.6	20- 25	58.20	168.2
30.0	257.1	259.5	263.2	260.6	247.9	268.2	263.2	266.1	25- 30	67.50	235.7
35.0	240.4	245.7	250.2	247.2	230.9	256.3	250.5	254.0	30- 35	74.73	310.5
40.0	219.8	229.9	235.1	231.7	210.0	241.6	235.1	239.1	35- 40	79.64	390.1
45.0	199.4	212.9	218.5	214.8	184.1	224.8	217.6	222.0	40- 45	82.05	472.2
50.0	175.8	189.0	199.1	191.3	160.6	206.4	204.2	203.4	45- 50	81.56	553.7
55.0	152.0	166.5	177.6	169.0	132.3	185.0	172.2	181.9	50- 55	77.51	631.3
60.0	127.0	143.0	154.3	145.7	102.3	143.8	147.6	152.7	55- 60	70.74	702.0
65.0	98.27	116.8	132.1	119.7	73.41	139.3	122.2	135.9	60- 65	63.04	765.0
70.0	68.92	89.59	104.0	92.38	45.30	112.1	92.92	108.8	65- 70	52.40	817.4
75.0	41.04	62.80	73.80	65.43	18.19	84.64	61.33	81.23	70- 75	39.32	856.8
80.0	11.61	34.69	46.92	36.70	2.323	55.83	36.78	52.65	75- 80	25.18	882.0
85.0	5.885	14.48	23.85	16.26	2.400	29.89	16.10	27.10	80- 85	13.84	895.8
90.0	5.033	3.175	8.750	3.639	2.323	12.15	3.329	10.60	85- 90	5.988	901.8
95.0	4.646	1.936	5.420	1.858	2.478	5.885	2.090	5.808	90- 95	2.428	904.2
100.0	4.491	2.168	4.956	2.168	2.710	5.420	2.323	5.343	95-100	2.018	906.2
105.0	4.414	2.478	4.723	2.555	2.865	5.265	2.478	5.188	100-105	1.989	908.2
110.0	4.336	3.020	4.568	2.478	3.097	5.033	2.710	5.653	105-110	1.982	910.2
115.0	4.336	2.787	4.491	2.632	3.252	5.033	2.865	4.878	110-115	1.927	912.1
120.0	4.336	2.942	4.491	2.787	3.484	5.265	3.097	4.878	115-120	1.868	914.0
125.0	4.414	3.097	4.568	3.020	3.717	5.188	3.252	4.878	120-125	1.830	915.8
130.0	4.491	3.329	4.646	3.175	3.872	4.956	3.484	4.878	125-130	1.760	917.6
135.0	4.568	3.484	4.646	3.407	4.026	4.956	3.639	4.956	130-135	1.683	919.3
140.0	4.646	3.717	4.801	3.639	4.259	5.033	3.794	4.956	135-140	1.585	920.9
145.0	4.723	3.872	4.878	3.794	4.414	5.111	4.026	5.111	140-145	1.475	922.3
150.0	4.878	4.026	4.956	3.949	4.568	5.111	4.104	5.111	145-150	1.335	923.7
155.0	4.956	4.181	4.956	4.104	4.723	5.188	4.259	5.188	150-155	1.171	924.8
160.0	5.033	4.259	5.033	4.181	4.801	5.188	4.336	5.188	155-160	0.991	925.8
165.0	5.111	4.336	5.111	4.259	4.956	5.188	4.414	5.188	160-165	0.790	926.6
170.0	5.111	4.414	5.111	4.414	5.033	5.188	4.491	5.188	165-170	0.576	927.2
175.0	5.188	4.491	5.111	4.491	5.111	5.188	4.568	5.188	170-175	0.350	927.5
180.0	5.111	4.646	5.111	4.568	5.343	5.111	4.646	5.033	175-180	0.118	927.7
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:

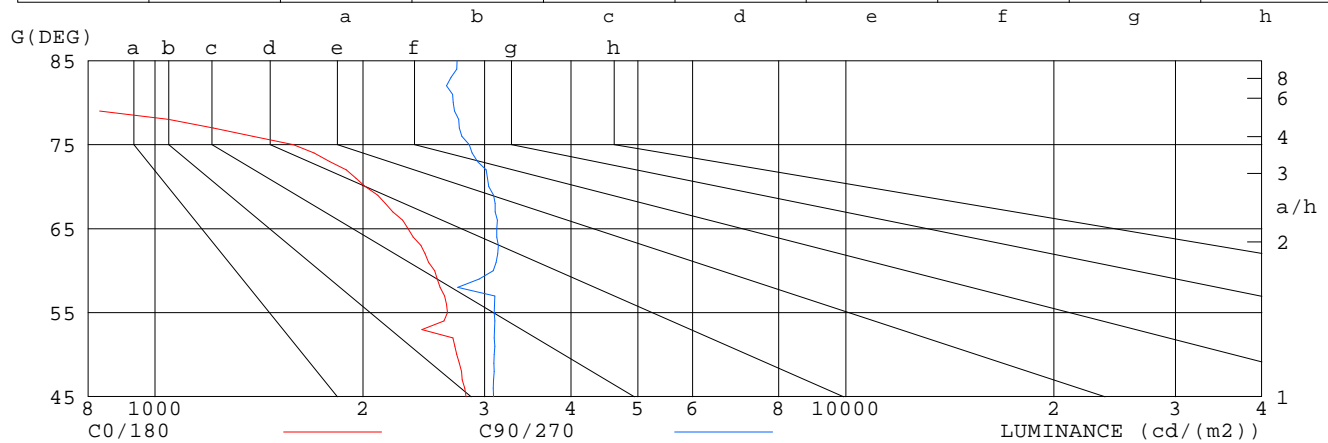
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME: RS-BF2835-24V-120-10-20-NW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-001

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	675	2737
80	669	2703
75	1586	2851
70	2015	3043
65	2325	3126
60	2540	3087
55	2650	3097
50	2736	3099
45	2821	3091

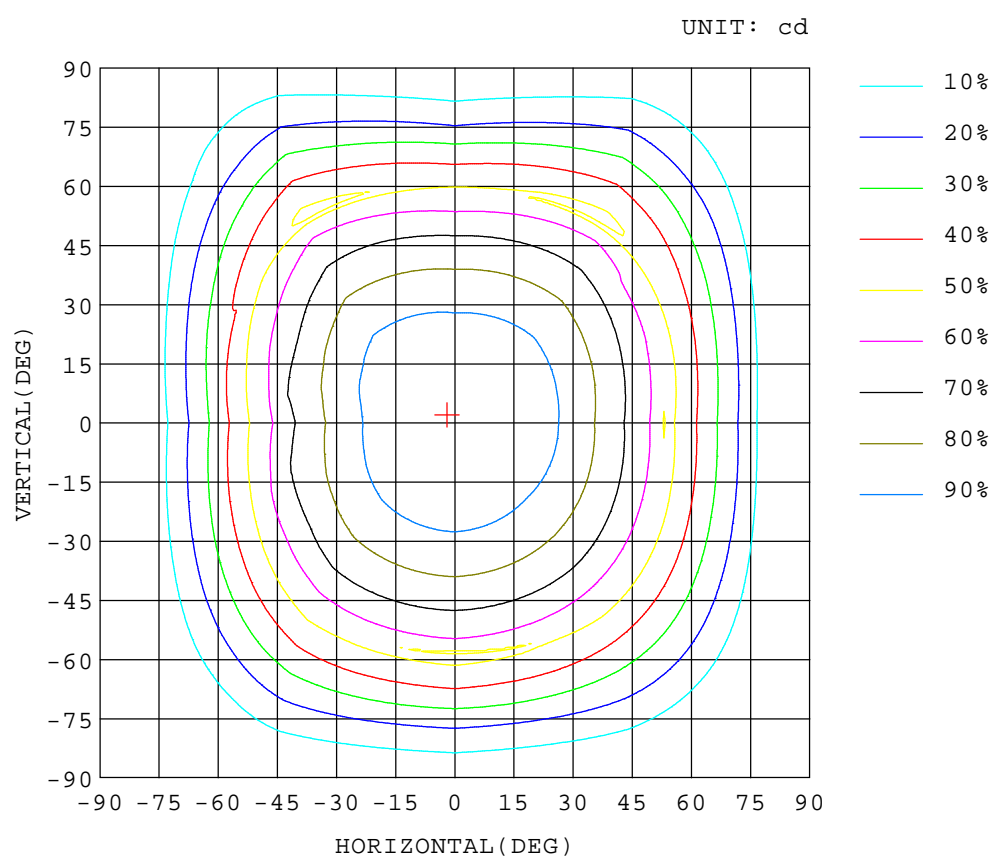
Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2019年08月20日

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-NW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-001



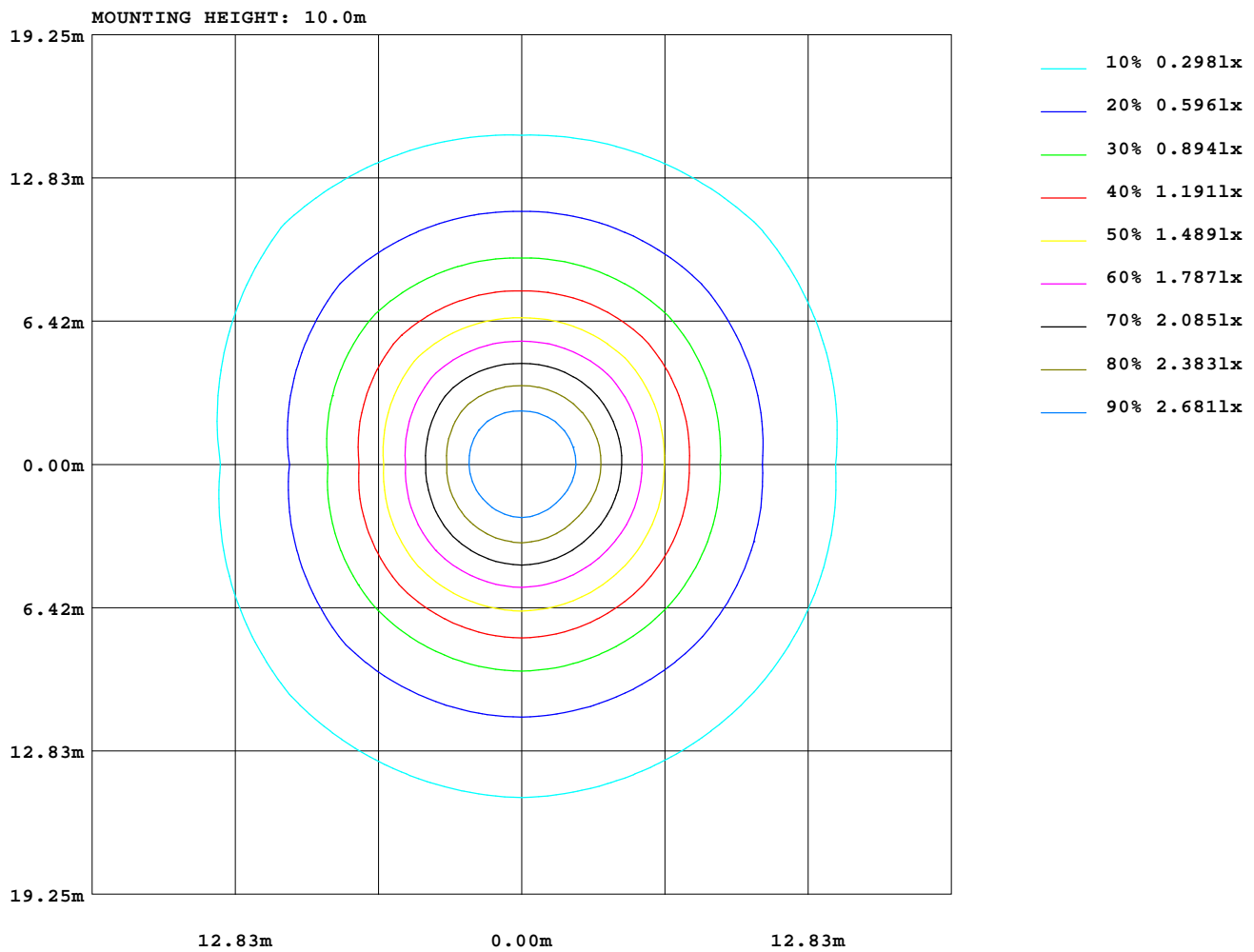
Test System: HOPOO HPG1800
Temperature: 25.3 DEG
Operators:
Test Date: 2019年08月20日

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-NW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-001



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-NW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-001

VERTICAL(DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	0.01	0.06	0.15	0.31	0.51	0.60	0.64	0.63	0.57	0.56	0.60	0.60	0.56	0.46	0.29	0.15	0.07	0.02	6.77	2.33		
90																						
80	0.01	0.08	0.27	0.65	1.21	1.60	1.84	1.97	1.97	1.96	1.94	1.79	1.53	1.16	0.64	0.28	0.09	0.02	19.0	18.1		
70	0.01	0.11	0.41	1.07	2.00	2.75	3.27	3.60	3.72	3.71	3.57	3.21	2.68	1.97	1.12	0.46	0.12	0.02	33.8	33.3		
60	0.01	0.13	0.59	1.50	2.69	3.69	4.44	4.97	5.23	5.21	4.93	4.36	3.63	2.69	1.60	0.70	0.16	0.02	46.6	46.2		
50	0.01	0.15	0.77	1.86	3.13	4.58	5.59	6.27	6.60	6.59	6.24	5.53	4.49	3.19	2.00	0.92	0.22	0.02	58.2	57.9		
40	0.01	0.18	0.91	2.09	3.63	5.20	6.44	7.20	7.57	7.56	7.16	6.37	5.18	3.69	2.28	1.09	0.28	0.02	66.9	66.7		
30	0.01	0.20	1.00	2.29	3.93	5.59	7.00	7.89	8.29	8.28	7.85	6.96	5.62	4.05	2.51	1.22	0.32	0.02	73.0	72.9		
	0.01	0.20	1.02	2.38	4.08	5.79	7.26	8.31	8.77	8.75	8.29	7.31	5.90	4.27	2.62	1.28	0.34	0.02	76.6	76.5		
	0.01	0.19	1.00	2.37	4.08	5.80	7.30	8.44	8.98	8.97	8.50	7.47	5.99	4.32	2.65	1.29	0.35	0.02	77.8	77.6		
	0.01	0.18	0.99	2.35	4.06	5.76	7.26	8.39	8.94	8.94	8.46	7.43	5.96	4.29	2.64	1.28	0.34	0.02	77.3	77.2		
	0.01	0.19	0.99	2.33	4.00	5.69	7.12	8.17	8.70	8.70	8.17	7.19	5.80	4.19	2.58	1.25	0.33	0.02	75.4	75.3		
-30	0.01	0.18	0.93	2.20	3.79	5.41	6.78	7.73	8.23	8.22	7.71	6.77	5.47	3.91	2.43	1.15	0.30	0.02	71.3	71.1		
-40	0.01	0.15	0.82	1.97	3.41	4.96	6.20	7.05	7.52	7.51	7.02	6.16	4.94	3.50	2.16	1.01	0.25	0.02	64.7	64.5		
-50	0.01	0.12	0.66	1.66	2.93	4.24	5.34	6.13	6.55	6.54	6.09	5.28	4.19	2.99	1.80	0.82	0.18	0.02	55.6	55.3		
-60	0.01	0.09	0.47	1.27	2.32	3.39	4.24	4.88	5.24	5.23	4.85	4.19	3.33	2.34	1.37	0.59	0.12	0.02	43.9	43.6		
-70	0.01	0.07	0.29	0.82	1.62	2.39	3.06	3.59	3.92	3.91	3.56	3.01	2.33	1.59	0.88	0.34	0.09	0.02	31.5	30.8		
-80	0.01	0.05	0.17	0.42	0.84	1.27	1.67	1.99	2.20	2.19	1.97	1.63	1.23	0.81	0.42	0.18	0.06	0.01	17.1	15.7		
-90	0.01	0.03	0.07	0.15	0.27	0.40	0.53	0.65	0.74	0.73	0.63	0.51	0.37	0.24	0.14	0.08	0.04	0.01	5.60	1.65		
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)				20	30	40	50	60	70	80	90		
Φ t	0.19	2.34	11.5	27.7	48.5	69.1	86.0	97.9	104	104	97.6	85.8	69.2	49.7	30.2	14.1	3.66	0.34	928			
Φ a	0.00	0.84	10.3	26.8	47.8	68.4	85.3	97.2	103	103	96.8	85.1	68.5	49.0	29.3	13.1	2.36	0.00		889		

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

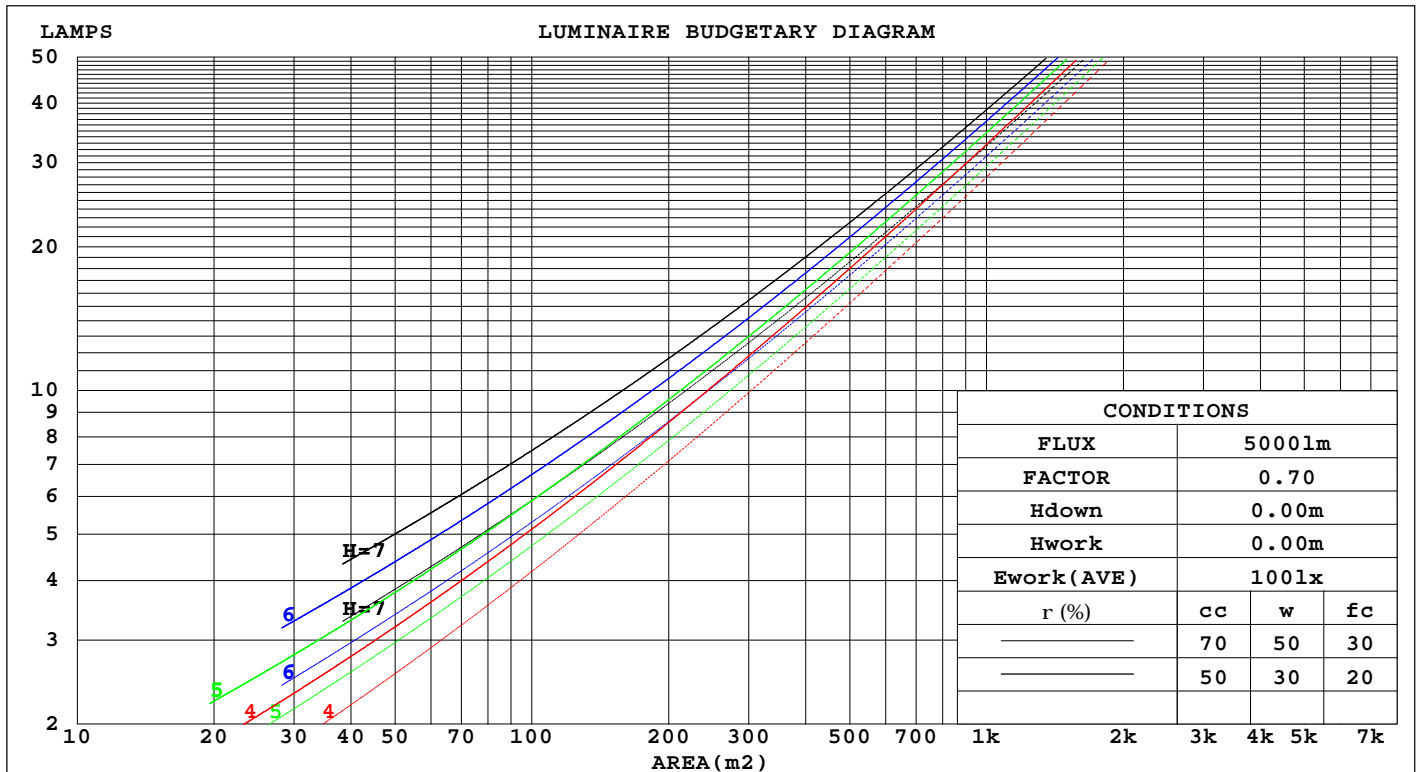
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.800 m
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: RS-BF2835-24V-120-10-20-NW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-001

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	1.18	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	.99	.95	1.00	.96	.93	.96	.92	.89	.91	.89	.86	.87	.85	.83	.81
2.0	.89	.83	.77	.87	.81	.76	.83	.78	.73	.80	.75	.71	.76	.73	.69	.67
3.0	.78	.70	.63	.77	.69	.63	.73	.67	.61	.70	.64	.60	.67	.62	.58	.56
4.0	.69	.60	.54	.68	.59	.53	.65	.58	.52	.62	.56	.51	.60	.54	.50	.48
5.0	.62	.53	.46	.60	.52	.46	.58	.50	.45	.56	.49	.44	.54	.48	.43	.41
6.0	.55	.46	.40	.54	.46	.40	.52	.45	.39	.50	.44	.38	.48	.43	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.47	.40	.34	.46	.39	.34	.44	.38	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.43	.36	.31	.42	.35	.30	.40	.34	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.37	.31	.27	.25
10.0	.39	.31	.25	.38	.30	.25	.37	.30	.25	.36	.29	.25	.35	.29	.24	.23



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-NW						TYPE: IP20			WEIGHT:		
SPECIFICATION: 1M				CCT(K): 0			DIMENSION: 1000*10MM			SERIAL No.: 190820-001	

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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.314	.179	.057	.306	.175	.056	.292	.167	.053	.278	.160	.051	.265	.154	.050	
2.0	.295	.161	.050	.288	.158	.049	.274	.153	.047	.262	.147	.046	.251	.142	.045	
3.0	.272	.145	.043	.266	.142	.043	.254	.138	.042	.243	.133	.041	.233	.129	.040	
4.0	.251	.130	.038	.245	.128	.038	.235	.125	.037	.225	.121	.036	.216	.117	.036	
5.0	.232	.118	.034	.227	.116	.034	.217	.113	.033	.209	.110	.033	.201	.107	.032	
6.0	.215	.108	.031	.210	.106	.031	.202	.103	.030	.194	.101	.030	.187	.098	.029	
7.0	.200	.099	.028	.196	.098	.028	.188	.095	.027	.181	.093	.027	.174	.091	.027	
8.0	.186	.091	.026	.183	.090	.025	.176	.088	.025	.170	.086	.025	.164	.084	.024	
9.0	.175	.084	.024	.171	.084	.023	.165	.082	.023	.159	.080	.023	.154	.078	.023	
10.0	.164	.079	.022	.161	.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	
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	.202	.178	.155	.173	.152	.134	.118	.105	.093	.068	.061	.054	.022	.020	.017		
2.0	.194	.153	.119	.166	.132	.103	.114	.091	.072	.066	.053	.042	.021	.017	.014		
3.0	.187	.136	.096	.160	.117	.083	.110	.082	.058	.063	.048	.034	.020	.015	.011		
4.0	.179	.123	.080	.154	.106	.069	.106	.074	.049	.061	.043	.029	.020	.014	.010		
5.0	.172	.113	.069	.147	.097	.060	.102	.068	.042	.059	.040	.025	.019	.013	.008		
6.0	.165	.104	.061	.141	.090	.053	.098	.063	.038	.057	.037	.022	.018	.012	.007		
7.0	.158	.097	.055	.136	.084	.048	.094	.059	.034	.054	.035	.020	.018	.011	.007		
8.0	.151	.092	.051	.130	.079	.044	.090	.056	.031	.052	.033	.019	.017	.011	.006		
9.0	.145	.087	.047	.125	.075	.041	.087	.053	.029	.050	.031	.017	.016	.010	.006		
10.0	.139	.082	.044	.120	.072	.039	.083	.050	.028	.049	.030	.016	.016	.010	.005		

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-NW					TYPE: IP20			WEIGHT:			
SPECIFICATION: 1M		CCT(K): 0			DIMENSION: 1000*10MM			SERIAL No.: 190820-001			
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	16.1	17.6	16.4	17.9	18.1	16.8	18.3	17.1	18.5	18.8
	3H	17.4	18.8	17.7	19.1	19.3	18.6	19.9	18.9	20.2	20.5
	4H	17.8	19.1	18.1	19.4	19.7	19.2	20.6	19.6	20.9	21.2
	6H	17.8	19.1	18.2	19.4	19.7	19.8	21.0	20.1	21.3	21.7
	8H	17.8	19.0	18.2	19.3	19.7	19.9	21.1	20.3	21.5	21.8
	12H	17.8	18.9	18.2	19.3	19.6	20.1	21.2	20.5	21.6	22.0
4H	2H	16.8	18.1	17.2	18.4	18.7	17.3	18.7	17.7	19.0	19.3
	3H	18.3	19.4	18.7	19.8	20.1	19.3	20.4	19.7	20.8	21.1
	4H	18.8	19.8	19.2	20.2	20.6	20.1	21.1	20.5	21.5	21.9
	6H	18.9	19.9	19.4	20.3	20.7	20.7	21.7	21.2	22.1	22.5
	8H	18.9	19.8	19.4	20.2	20.7	21.0	21.8	21.4	22.3	22.7
	12H	18.9	19.7	19.4	20.2	20.6	21.2	22.0	21.6	22.4	22.9
8H	4H	19.1	20.0	19.6	20.4	20.8	20.3	21.1	20.7	21.6	22.0
	6H	19.4	20.1	19.9	20.6	21.1	21.0	21.8	21.5	22.2	22.7
	8H	19.4	20.1	19.9	20.6	21.1	21.4	22.0	21.9	22.5	23.0
	12H	19.5	20.0	20.0	20.5	21.1	21.7	22.2	22.2	22.7	23.3
12H	4H	19.1	19.9	19.6	20.4	20.8	20.2	21.0	20.7	21.5	21.9
	6H	19.5	20.1	20.0	20.6	21.1	21.1	21.7	21.6	22.2	22.7
	8H	19.6	20.1	20.1	20.6	21.1	21.4	22.0	22.0	22.5	23.0
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.5					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.5					+ 0.2 / - 0.3					

CIE Pub.117 Corrected 927.7 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.3)

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-NW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-001

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	54	43	37	30
0.80	66	54	47	65	54	46	63	53	46	39
1.00	74	63	56	73	62	55	71	64	55	47
1.25	82	71	63	80	70	63	77	68	62	54
1.50	87	76	69	85	75	69	81	73	67	59
2.00	94	85	78	92	83	77	88	81	75	67
2.50	98	90	83	95	88	82	91	85	80	71
3.00	101	94	88	99	92	87	94	89	84	75
4.00	105	99	94	103	97	93	98	93	90	80
5.00	108	103	98	105	100	97	100	96	93	83
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

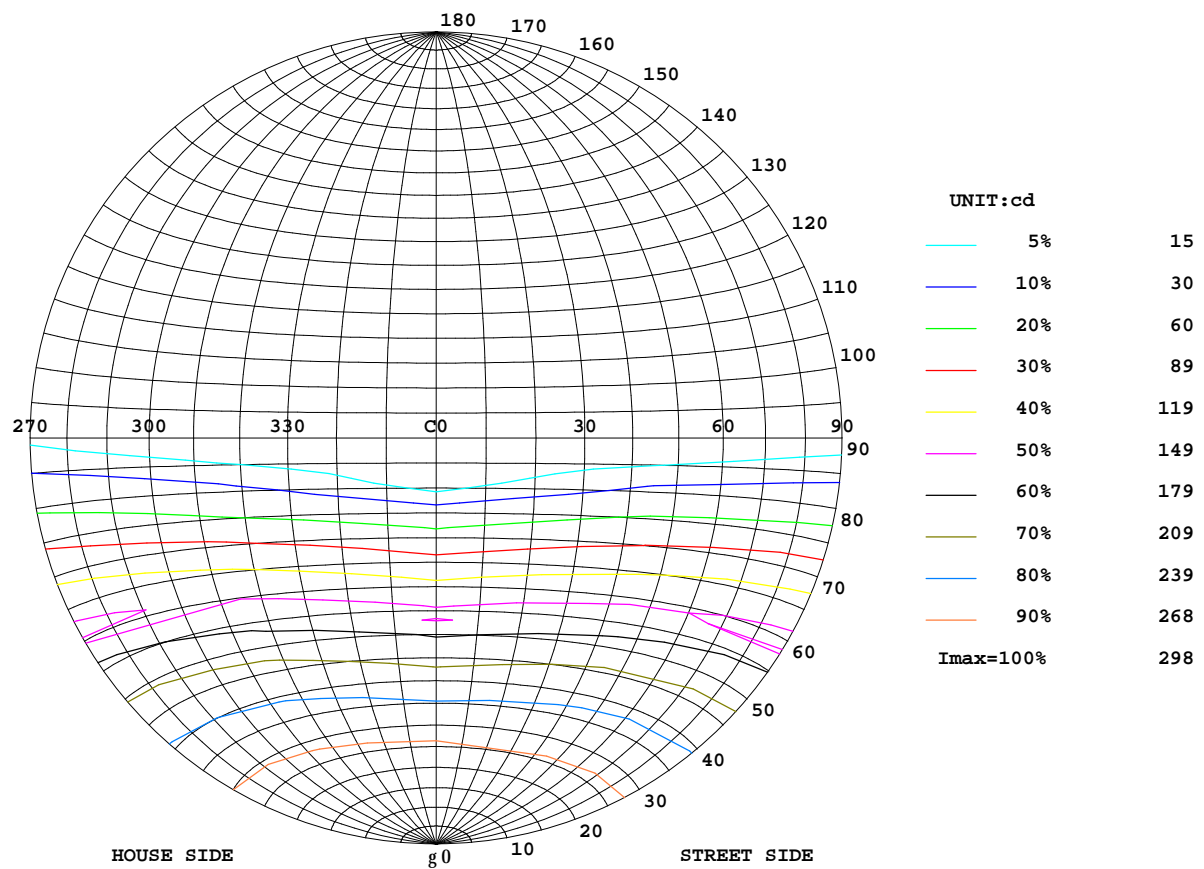
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2019年08月20日

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-NW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-001



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

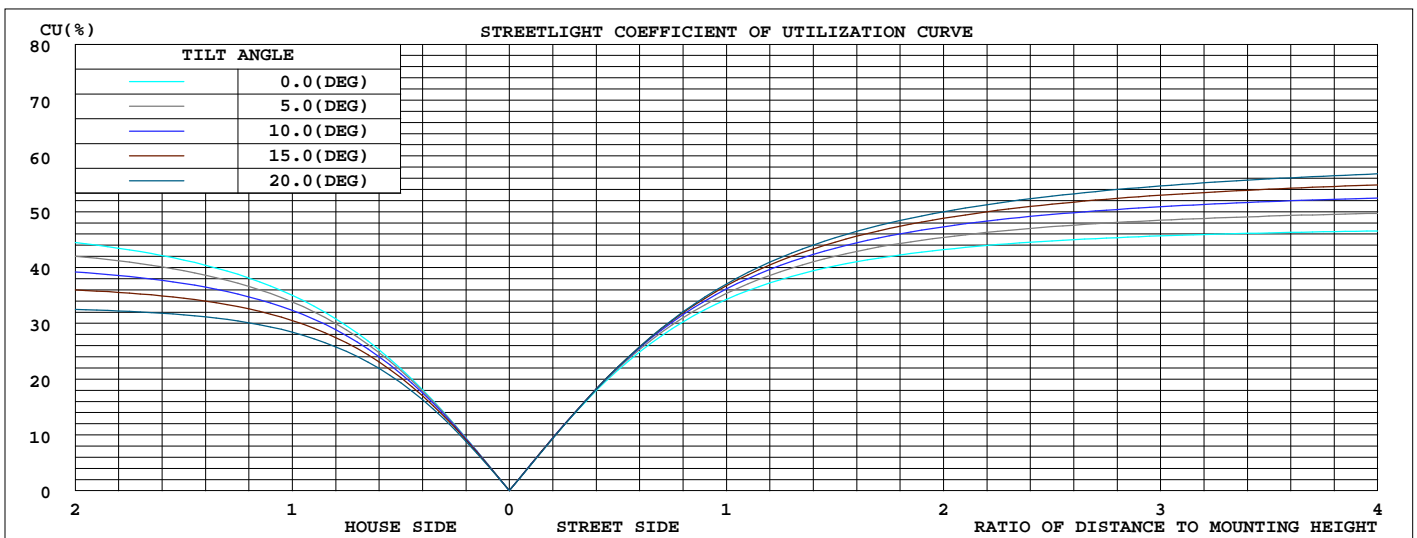
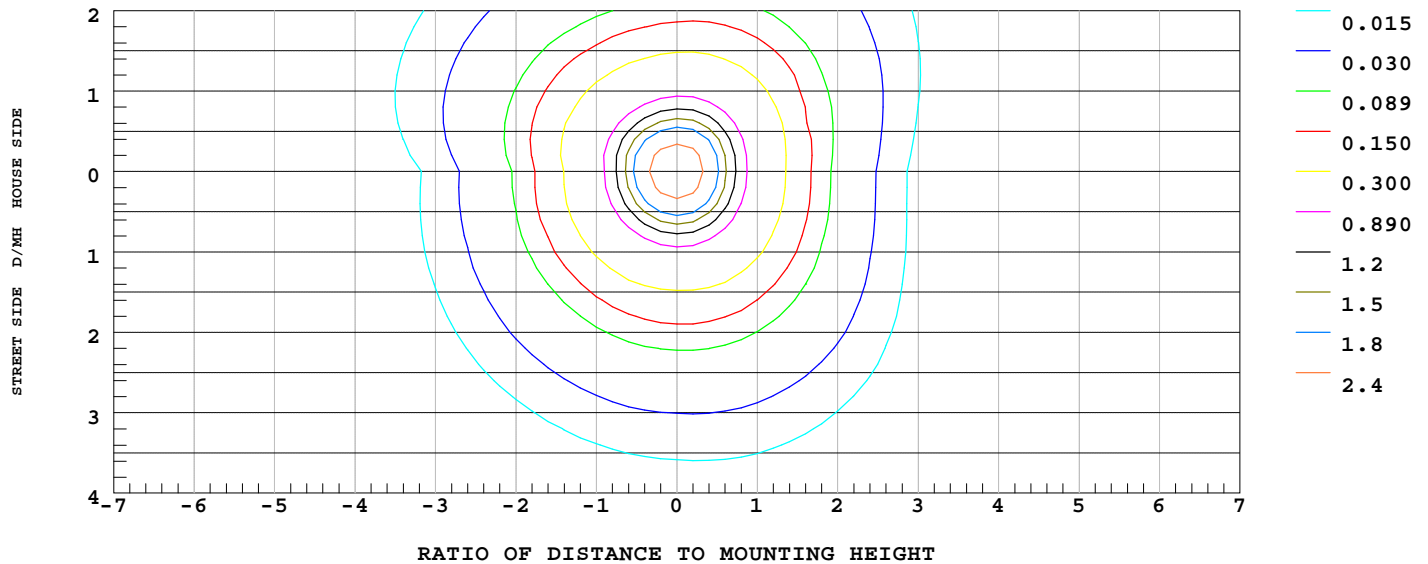
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.800 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: RS-BF2835-24V-120-10-20-NW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-001

ILLUMINANCE AT MH=10 m, Enadir = 2.98 lx



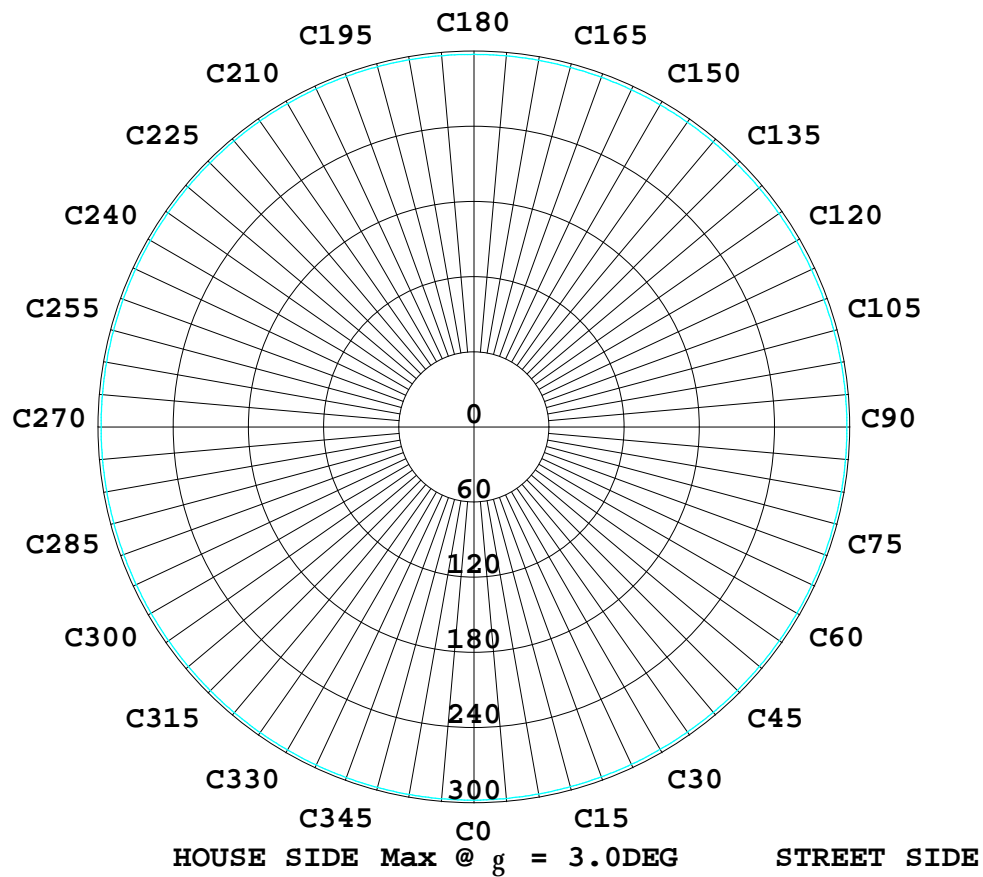
Test System: HOPOO HPG1800
Temperature: 25.3 DEG
Operators:
Test Date: 2019年08月20日

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-NW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-001



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-NW		TYPE: IP20	WEIGHT:
SPECIFICATION: 1M	CCT(K): 0	DIMENSION: 1000*10MM	SERIAL No.: 190820-001

UNIT: cd

C(DEG)	0	45	90	135	180	225	270	315
γ (DEG)								
0.0	298	298	298	298	298	298	298	298
5.0	298	296	297	296	297	298	297	297
10.0	295	293	294	293	294	296	295	295
15.0	291	288	290	288	289	292	290	291
20.0	285	280	283	281	277	287	283	285
25.0	272	271	274	272	263	278	274	277
30.0	257	260	263	261	248	268	263	266
35.0	240	246	250	247	231	256	251	254
40.0	220	230	235	232	210	242	235	239
45.0	199	213	219	215	184	225	218	222
50.0	176	189	199	191	161	206	204	203
55.0	152	167	178	169	132	185	172	182
60.0	127	143	154	146	102	144	148	153
65.0	98.2	117	132	120	73.4	139	122	136
70.0	68.9	89.5	104	92.3	45.3	112	92.9	109
75.0	41.0	62.8	73.8	65.4	18.1	84.6	61.3	81.2
80.0	11.6	34.6	46.9	36.7	2.32	55.8	36.7	52.6
85.0	5.88	14.4	23.8	16.2	2.40	29.8	16.1	27.1
90.0	5.03	3.17	8.75	3.63	2.32	12.1	3.32	10.6
95.0	4.64	1.93	5.42	1.85	2.47	5.88	2.09	5.80
100.0	4.49	2.16	4.95	2.16	2.71	5.42	2.32	5.34
105.0	4.41	2.47	4.72	2.55	2.86	5.26	2.47	5.18
110.0	4.33	3.02	4.56	2.47	3.09	5.03	2.71	5.65
115.0	4.33	2.78	4.49	2.63	3.25	5.03	2.86	4.87
120.0	4.33	2.94	4.49	2.78	3.48	5.26	3.09	4.87
125.0	4.41	3.09	4.56	3.02	3.71	5.18	3.25	4.87
130.0	4.49	3.32	4.64	3.17	3.87	4.95	3.48	4.87
135.0	4.56	3.48	4.64	3.40	4.02	4.95	3.63	4.95
140.0	4.64	3.71	4.80	3.63	4.25	5.03	3.79	4.95
145.0	4.72	3.87	4.87	3.79	4.41	5.11	4.02	5.11
150.0	4.87	4.02	4.95	3.94	4.56	5.11	4.10	5.11
155.0	4.95	4.18	4.95	4.10	4.72	5.18	4.25	5.18
160.0	5.03	4.25	5.03	4.18	4.80	5.18	4.33	5.18
165.0	5.11	4.33	5.11	4.25	4.95	5.18	4.41	5.18
170.0	5.11	4.41	5.11	4.41	5.03	5.18	4.49	5.18
175.0	5.18	4.49	5.11	4.49	5.11	5.18	4.56	5.18
180.0	5.11	4.64	5.11	4.56	5.34	5.11	4.64	5.03

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
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Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.800 m
Remarks: