

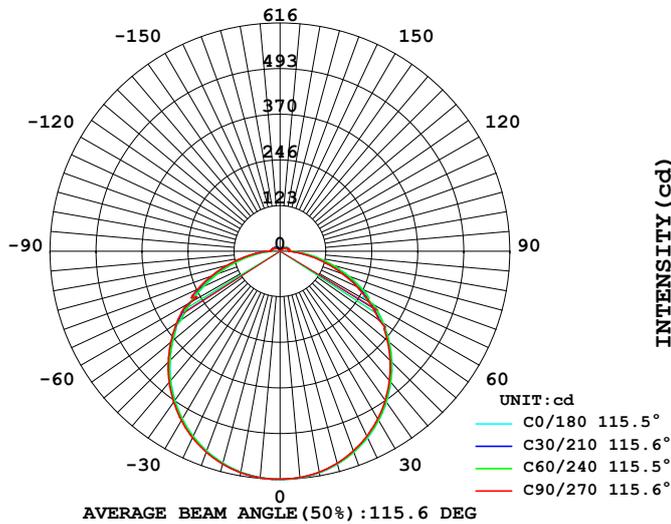
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

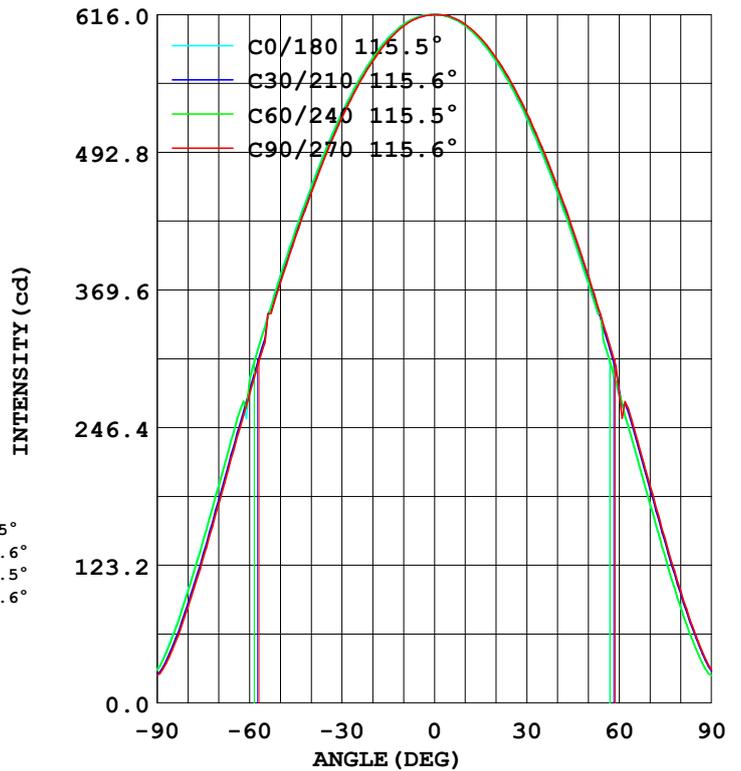
MANUFACTURER:		
Address:		
NAME: 0028920233 14.4W 3000K 1800lm	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 0.28*0.052	SERIAL No.:

DATA OF LAMP		Imax (cd)	615.9	S/MH (C0/180)	1.27
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.26
NOMINAL POWER (W)	14	TOTAL FLUX (lm)	1800.0	Voltage (V)	229.9
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	125.0	Current (A)	0.064
NOMINAL FLUX (lm)	1958.8	η up (%)	5.5	Power (W)	14.4
LAMPS QUANTITY	1	η down (%)	94.5	Power Factor (PF)	0.964
TEST VOLTAGE (V)	230.0	Effective Flux (lm)	1823.1	EEL	0.000 (E)

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



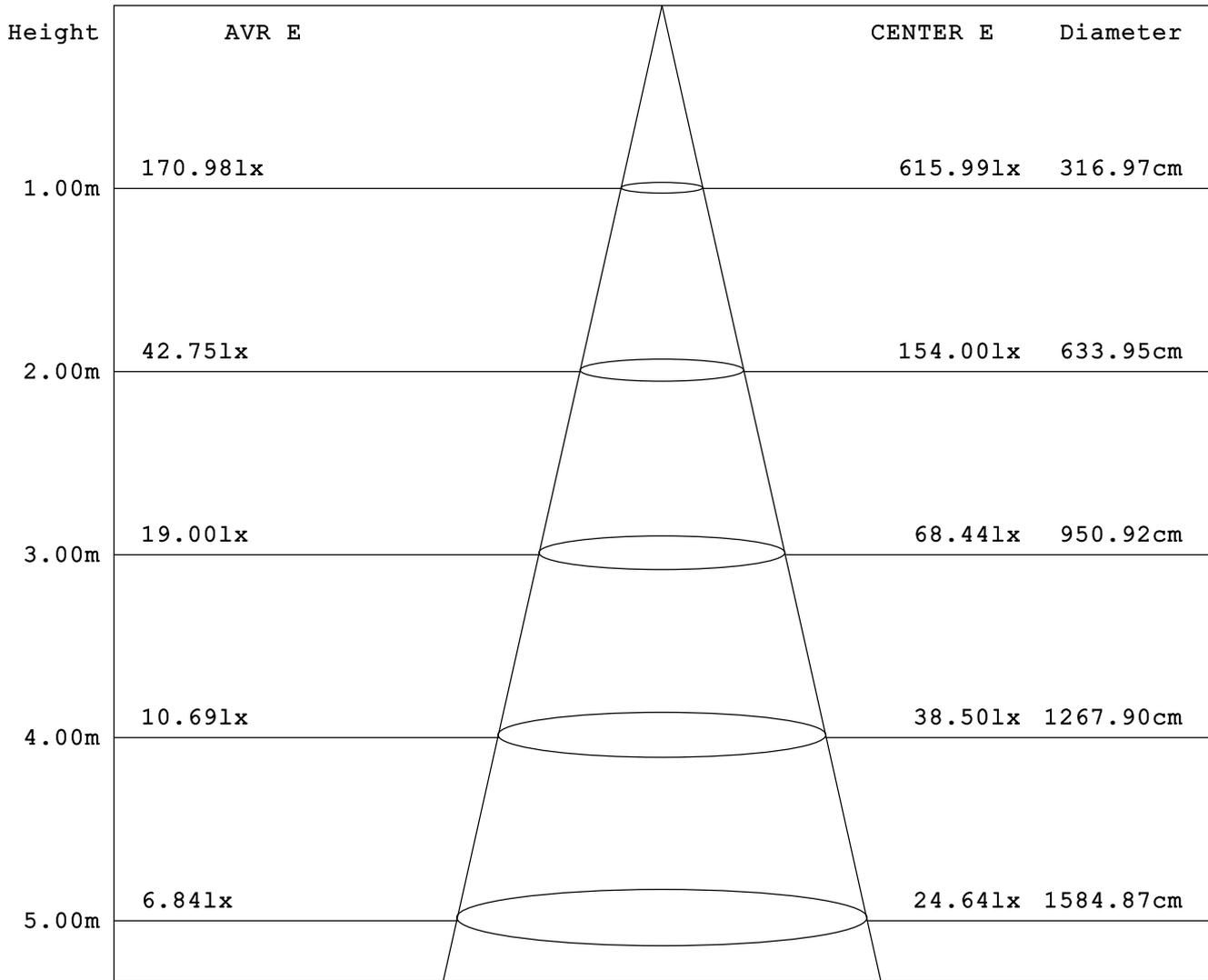
Test System: HopooColor HPG1800
 Temperature: 25.3 DEG
 Operators: W
 Test Date: 2024年08月15日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 8.450 m
 Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:		
Address:		
NAME: 0028920233 14.4W 3000K 1800lm	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 0.28*0.052	SERIAL No.:



Angle:115.5deg

Test System:HopooColor HPG1800
 Temperature:25.3DEG
 Operators:W
 Test Date:2024年08月15日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.450 m
 Remarks:

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 0028920233 14.4W 3000K 1800lm	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 0.28*0.052	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	614.2	613.7	613.3	612.9	613.4	613.7	614.2	614.0	0- 5	14.69	14.69
10.0	607.3	606.4	605.4	605.0	605.7	606.2	607.2	607.3	5- 10	43.64	58.34
15.0	595.3	594.0	592.5	592.0	592.2	593.3	594.9	595.0	10- 15	71.19	129.5
20.0	577.7	576.2	574.2	573.5	574.2	575.6	577.6	577.9	15- 20	96.38	225.9
25.0	555.1	553.4	550.8	549.9	550.6	552.4	555.1	555.5	20- 25	118.3	344.3
30.0	528.5	526.5	523.6	522.7	522.8	524.8	528.0	528.3	25- 30	136.5	480.8
35.0	497.1	494.9	491.5	490.5	491.3	493.7	497.3	497.7	30- 35	150.1	631.0
40.0	461.9	459.4	455.6	454.5	455.5	458.1	462.1	462.6	35- 40	158.9	790.0
45.0	424.3	421.5	417.3	416.3	416.1	419.0	423.4	423.8	40- 45	162.7	952.8
50.0	382.4	379.5	374.9	373.8	374.7	377.8	382.6	383.1	45- 50	161.4	1114
55.0	337.6	331.3	322.8	325.3	322.5	329.4	338.0	334.9	50- 55	155.0	1269
60.0	290.6	284.6	276.4	277.2	275.1	279.7	277.7	289.0	55- 60	141.8	1411
65.0	244.7	236.9	227.2	230.7	227.0	234.9	244.7	240.9	60- 65	125.2	1536
70.0	195.2	187.3	177.6	181.1	177.4	185.2	195.1	191.3	65- 70	106.9	1643
75.0	147.3	139.5	130.0	133.7	130.0	137.4	146.7	143.3	70- 75	84.78	1728
80.0	101.0	93.85	85.25	88.75	85.25	91.89	100.3	97.17	75- 80	61.54	1790
85.0	60.33	54.51	47.69	50.51	47.69	52.98	59.76	57.30	80- 85	39.56	1829
90.0	30.06	27.24	24.70	25.99	24.56	26.38	29.70	28.56	85- 90	21.32	1850
95.0	25.49	24.81	24.06	24.49	23.84	24.24	24.84	24.59	90- 95	13.82	1864
100.0	24.41	23.91	23.34	23.63	23.06	23.31	23.77	23.63	95-100	13.09	1877
105.0	23.49	23.02	22.56	22.77	22.20	22.38	22.77	22.70	100-105	12.41	1890
110.0	22.42	21.92	21.63	21.63	21.27	21.27	21.77	21.59	105-110	11.61	1901
115.0	21.34	20.45	16.63	20.17	20.20	19.74	19.27	20.13	110-115	10.59	1912
120.0	20.20	18.74	15.56	18.52	19.06	18.06	15.28	18.42	115-120	9.202	1921
125.0	18.85	16.85	14.28	16.70	17.70	16.24	14.92	16.52	120-125	8.040	1929
130.0	17.42	15.06	12.56	14.99	16.35	14.53	13.20	14.74	125-130	6.833	1936
135.0	15.99	13.38	10.63	13.38	14.92	12.95	11.06	13.13	130-135	5.660	1942
140.0	14.42	11.85	9.496	11.88	13.49	11.53	9.710	11.67	135-140	4.617	1946
145.0	12.78	10.46	8.568	10.56	11.92	10.24	8.711	10.38	140-145	3.704	1950
150.0	11.21	9.210	7.497	9.353	10.42	9.103	7.854	9.210	145-150	2.902	1953
155.0	9.567	7.889	6.140	8.068	8.925	7.889	6.283	7.961	150-155	2.160	1955
160.0	8.068	6.818	5.569	6.926	7.497	6.818	5.712	6.890	155-160	1.545	1957
165.0	6.640	5.783	5.140	5.926	6.283	5.890	5.140	5.926	160-165	1.044	1958
170.0	5.426	4.962	4.641	5.069	5.212	5.069	4.712	5.105	165-170	0.648	1958
175.0	4.641	4.462	4.426	4.534	4.569	4.534	4.426	4.534	170-175	0.342	1959
180.0	4.569	4.498	4.426	4.462	4.498	4.462	4.426	4.462	175-180	0.107	1959
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HopooColor HPG1800
 Temperature:25.3DEG
 Operators:W
 Test Date:2024年08月15日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.450 m
 Remarks:

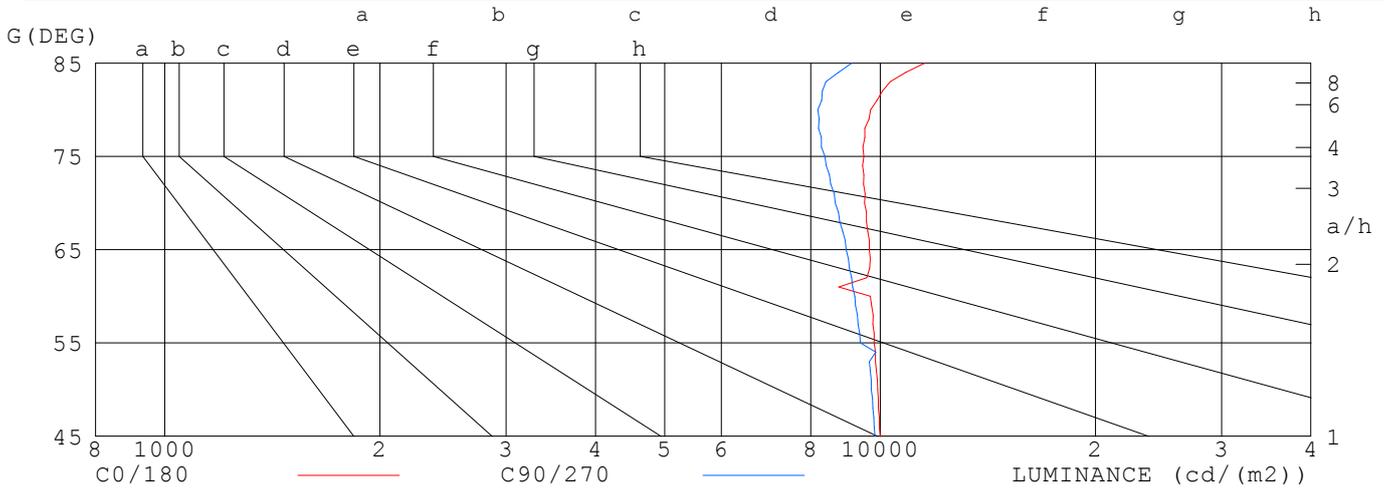
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		
Address:		
NAME: 0028920233 14.4W 3000K 1800lm	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 0.28*0.052	SERIAL No.:

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	11538	9121
80	9697	8183
75	9490	8373
70	9513	8657
65	9653	8960
60	9687	9216
55	9812	9380
50	9916	9722
45	10002	9837

Test System: HopooColor HPG1800
 Temperature: 25.3 DEG
 Operators: W
 Test Date: 2024年08月15日

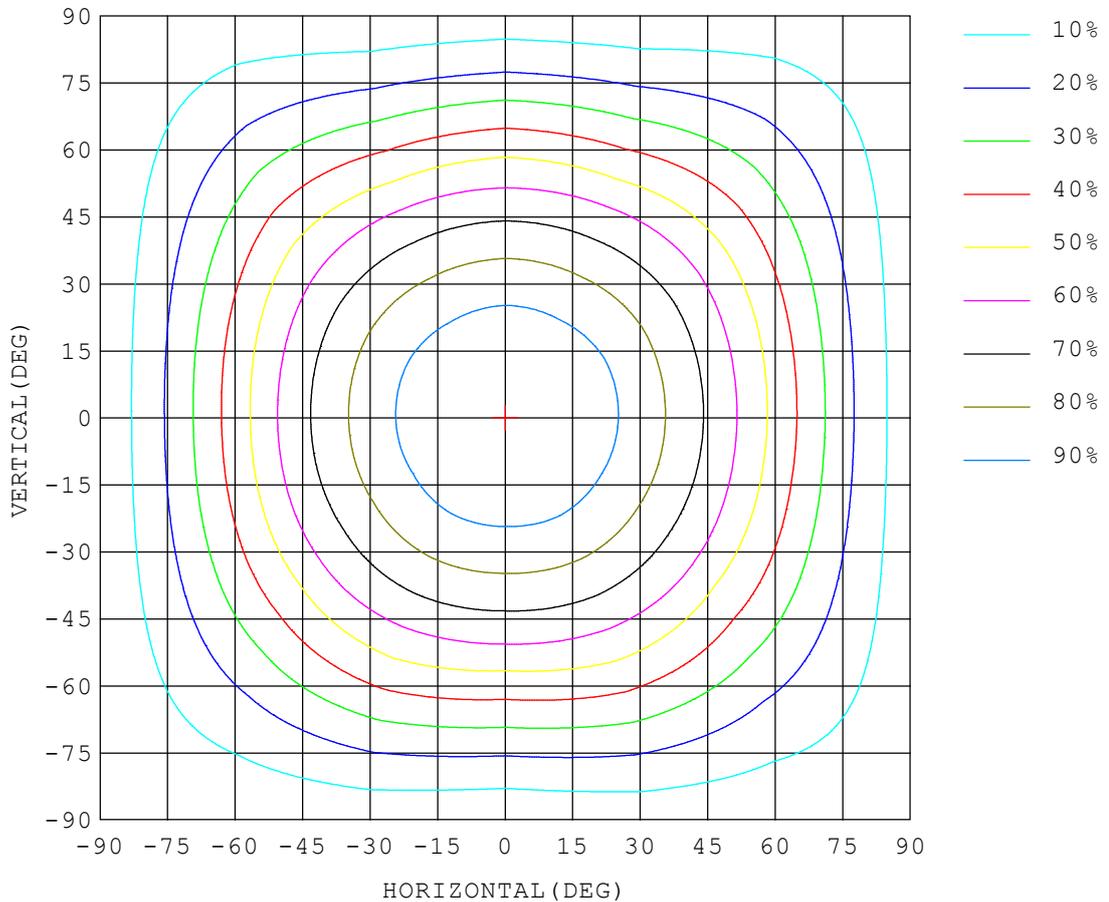
Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 8.450 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 0028920233 14.4W 3000K 1800lm	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 0.28*0.052	SERIAL No.:

UNIT: cd



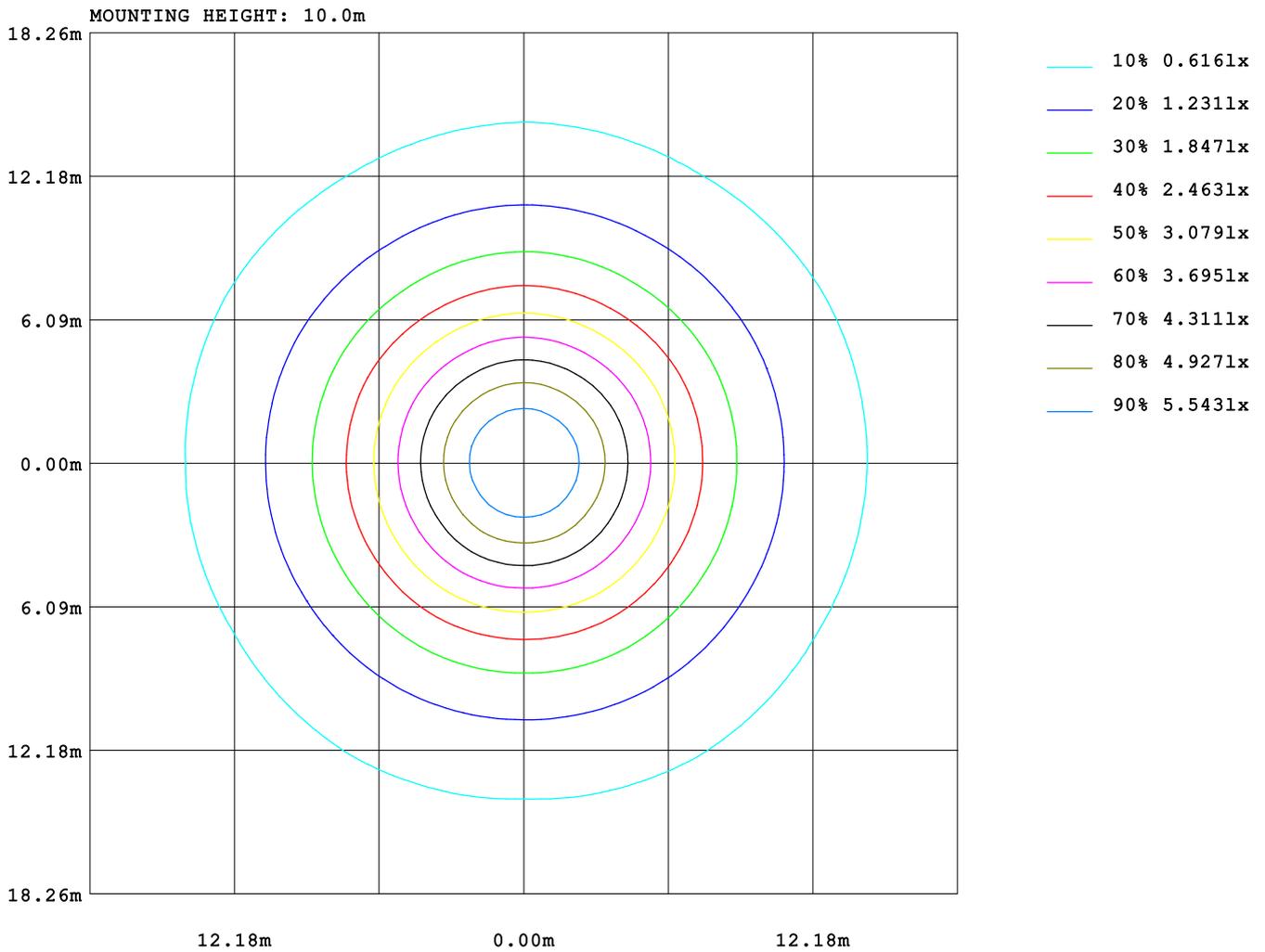
Test System: HopooColor HPG1800
 Temperature: 25.3 DEG
 Operators: W
 Test Date: 2024年08月15日

Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 8.450 m
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 0028920233 14.4W 3000K 1800lm	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 0.28*0.052	SERIAL No.:



Test System: HopooColor HPG1800
 Temperature: 25.3DEG
 Operators: W
 Test Date: 2024年08月15日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 8.450 m
 Remarks:

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:		
Address:		
NAME: 0028920233 14.4W 3000K 1800lm	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 0.28*0.052	SERIAL No.:

		AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
VERTICAL (DEG)	90	0.07	0.25	0.49	0.75	0.96	1.13	1.34	1.60	1.80	1.81	1.64	1.41	1.21	1.04	0.83	0.56	0.30	0.09	17.3	6.47	
	80	0.08	0.36	0.85	1.46	2.09	2.69	3.30	3.92	4.34	4.36	3.99	3.40	2.81	2.20	1.57	0.95	0.43	0.10	38.9	37.7	
	70	0.10	0.50	1.26	2.32	3.47	4.60	5.66	6.62	7.18	7.20	6.70	5.78	4.74	3.60	2.44	1.37	0.58	0.12	64.3	63.8	
	60	0.11	0.64	1.69	3.20	4.87	6.50	8.02	9.32	10.1	10.1	9.39	8.13	6.64	5.00	3.34	1.82	0.73	0.14	89.8	89.5	
	50	0.13	0.77	2.09	3.99	6.10	8.34	10.3	11.8	12.7	12.7	11.9	10.4	8.47	6.27	4.14	2.23	0.87	0.16	114	113	
	40	0.14	0.89	2.43	4.61	7.26	9.86	12.1	13.9	14.9	14.9	13.9	12.2	10.0	7.41	4.79	2.59	1.00	0.17	133	133	
	30	0.15	0.98	2.70	5.15	8.10	11.0	13.6	15.5	16.6	16.6	15.6	13.7	11.1	8.25	5.31	2.88	1.09	0.18	149	149	
		0.16	1.03	2.87	5.53	8.66	11.8	14.6	16.7	17.8	17.8	16.8	14.7	11.9	8.81	5.69	3.05	1.16	0.19	160	160	
		0.16	1.06	2.94	5.71	8.93	12.1	15.1	17.3	18.4	18.4	17.3	15.2	12.3	9.09	5.89	3.12	1.19	0.20	165	165	
		0.16	1.05	2.93	5.68	8.91	12.1	15.0	17.2	18.4	18.4	17.3	15.1	12.3	9.07	5.87	3.10	1.19	0.20	164	164	
		0.15	1.01	2.82	5.45	8.58	11.7	14.5	16.6	17.8	17.8	16.7	14.6	11.8	8.74	5.62	3.00	1.14	0.19	159	159	
	-30	0.15	0.95	2.61	5.01	7.97	10.8	13.5	15.5	16.5	16.6	15.6	13.6	11.0	8.13	5.18	2.79	1.06	0.18	148	147	
	-40	0.14	0.85	2.32	4.44	7.02	9.74	12.1	13.8	14.8	14.8	13.9	12.2	9.89	7.20	4.60	2.48	0.96	0.17	132	132	
	-50	0.12	0.73	1.95	3.73	5.90	8.23	10.3	11.7	12.5	12.5	11.8	10.4	8.39	6.04	3.89	2.10	0.83	0.15	112	111	
	-60	0.11	0.59	1.54	2.92	4.68	6.50	8.14	9.28	9.87	9.90	9.35	8.24	6.62	4.82	3.06	1.67	0.68	0.13	88.1	87.8	
	-70	0.09	0.45	1.11	2.08	3.33	4.67	5.85	6.58	6.90	6.92	6.64	5.97	4.81	3.47	2.20	1.22	0.53	0.12	63.0	62.3	
-80	0.08	0.32	0.71	1.28	2.01	2.81	3.47	3.84	3.98	4.00	3.91	3.57	2.92	2.13	1.37	0.80	0.38	0.10	37.7	35.6		
-90	0.07	0.22	0.40	0.63	0.92	1.22	1.45	1.54	1.54	1.56	1.58	1.52	1.30	0.99	0.69	0.45	0.26	0.08	16.4	5.65		
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90				
Φ t		2.16	12.6	33.7	64.0	99.8	136	169	193	207	207	195	171	139	102	66.5	36.2	14.4	2.67	1959		
Φ a		0.67	10.9	32.1	62.4	98.2	135	167	192	205	206	193	169	137	101	65.0	34.7	12.9	1.35		1823	

Test System:HopooColor HPG1800
 Temperature:25.3DEG
 Operators:W
 Test Date:2024年08月15日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.450 m
 Remarks:

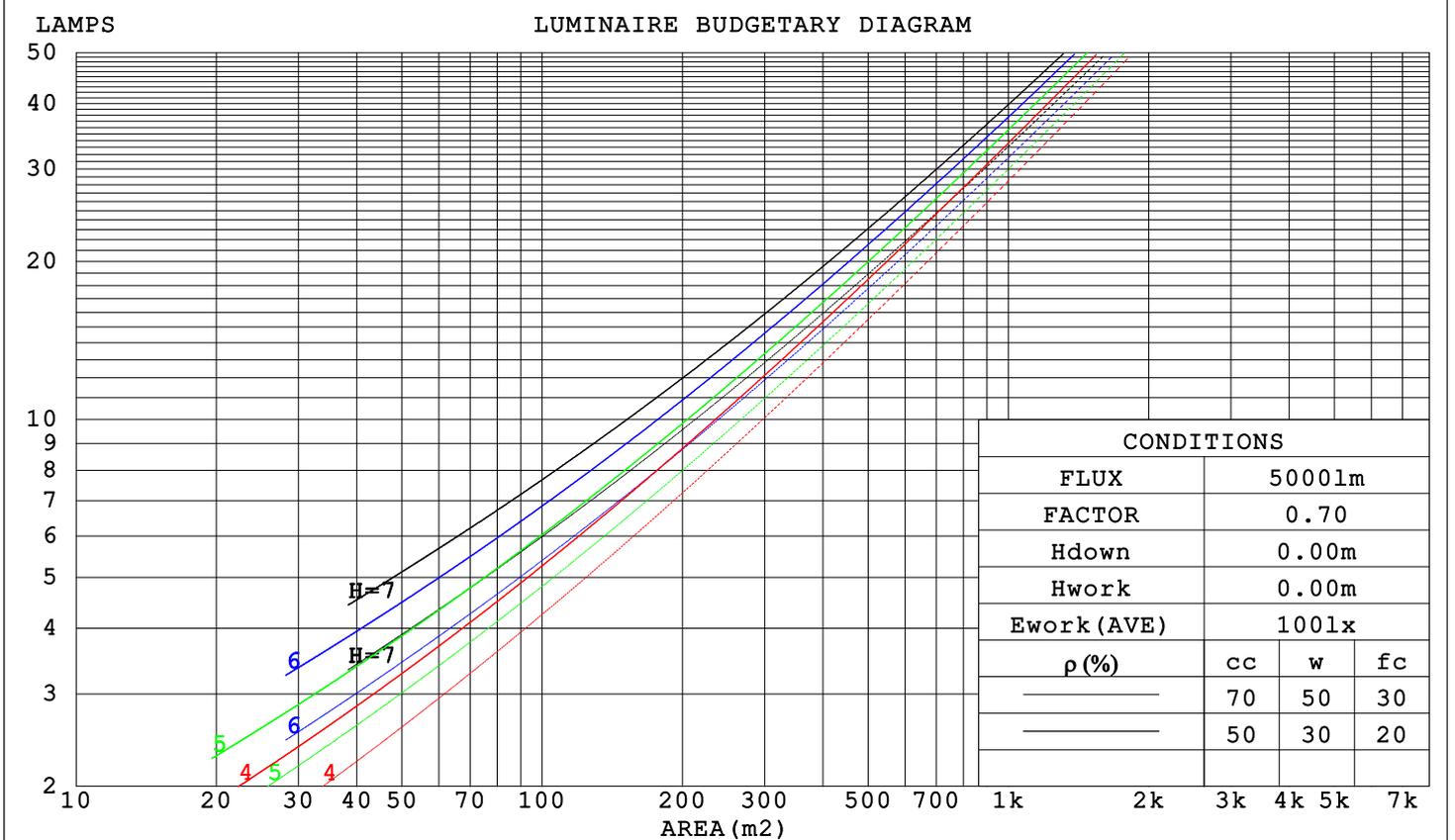


CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:															
Address:															
NAME: 0028920233 14.4W 3000K 1800lm								TYPE:				WEIGHT:			
SPECIFICATION:								DIMENSION: 0.28*0.052				SERIAL No.:			

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.18	1.18	1.18	1.14	1.14	1.14	1.08	1.08	1.08	1.02	1.02	1.02	.97	.97	.97	.94
1.0	1.02	.97	.93	.99	.95	.91	.94	.90	.87	.89	.86	.83	.84	.82	.80	.78
2.0	.88	.81	.75	.86	.79	.74	.81	.76	.71	.77	.73	.69	.73	.70	.67	.64
3.0	.77	.69	.62	.75	.67	.61	.71	.65	.59	.68	.62	.58	.65	.60	.56	.54
4.0	.68	.59	.52	.67	.58	.52	.63	.56	.50	.60	.54	.49	.58	.52	.48	.46
5.0	.61	.52	.45	.59	.51	.44	.57	.49	.43	.54	.48	.42	.52	.46	.42	.39
6.0	.55	.46	.39	.53	.45	.39	.51	.44	.38	.49	.42	.37	.47	.41	.36	.34
7.0	.50	.41	.34	.48	.40	.34	.46	.39	.33	.44	.38	.33	.43	.37	.32	.30
8.0	.45	.37	.31	.44	.36	.30	.42	.35	.30	.41	.34	.29	.39	.33	.29	.27
9.0	.41	.33	.28	.41	.33	.27	.39	.32	.27	.37	.31	.26	.36	.30	.26	.24
10.0	.38	.30	.25	.37	.30	.25	.36	.29	.24	.35	.28	.24	.33	.28	.24	.22



Test System:HopooColor HPG1800
 Temperature:25.3DEG
 Operators:W
 Test Date:2024年08月15日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.450 m
 Remarks:



HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Report number:

MANUFACTURER:																
Address:																
NAME: 0028920233 14.4W 3000K 1800lm									TYPE:				WEIGHT:			
SPECIFICATION:									DIMENSION: 0.28*0.052				SERIAL No.:			

ρ _{cc}	80%			70%			50%			30%			10%			0	
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ _{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.326	.185	.059	.317	.181	.057	.301	.172	.055	.285	.165	.053	.272	.157	.051		
2.0	.300	.165	.050	.292	.161	.050	.278	.154	.048	.264	.148	.046	.252	.142	.045		
3.0	.275	.146	.044	.268	.144	.043	.255	.138	.042	.243	.133	.041	.232	.128	.040		
4.0	.252	.131	.039	.246	.129	.038	.234	.124	.037	.224	.120	.036	.213	.116	.035		
5.0	.232	.118	.034	.227	.116	.034	.216	.113	.033	.207	.109	.032	.197	.105	.032		
6.0	.215	.108	.031	.210	.106	.031	.200	.103	.030	.192	.100	.029	.183	.097	.029		
7.0	.200	.099	.028	.195	.097	.028	.187	.094	.027	.179	.092	.027	.171	.089	.026		
8.0	.186	.091	.026	.182	.090	.025	.174	.087	.025	.167	.085	.024	.160	.082	.024		
9.0	.174	.084	.024	.171	.083	.023	.164	.081	.023	.157	.079	.023	.151	.076	.022		
10.0	.164	.078	.022	.160	.077	.022	.154	.075	.021	.148	.073	.021	.142	.071	.021		

ρ _{cc}	80%			70%			50%			30%			10%			0	
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ _{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)										
0.0	.233	.233	.233	.199	.199	.199	.136	.136	.136	.078	.078	.078	.025	.025	.025		
1.0	.224	.198	.176	.192	.170	.151	.131	.117	.105	.075	.068	.061	.024	.022	.020		
2.0	.216	.175	.140	.185	.150	.121	.127	.104	.084	.073	.061	.049	.023	.020	.016		
3.0	.208	.157	.117	.179	.136	.101	.123	.094	.071	.071	.055	.042	.023	.018	.014		
4.0	.201	.144	.101	.172	.125	.088	.119	.087	.062	.069	.051	.037	.022	.017	.012		
5.0	.193	.134	.090	.166	.116	.078	.114	.081	.055	.066	.048	.033	.021	.016	.011		
6.0	.186	.126	.082	.160	.109	.072	.110	.076	.051	.064	.045	.030	.021	.015	.010		
7.0	.179	.119	.077	.154	.103	.067	.107	.072	.047	.062	.043	.028	.020	.014	.009		
8.0	.173	.113	.072	.149	.098	.063	.103	.069	.045	.060	.041	.027	.019	.013	.009		
9.0	.167	.108	.069	.144	.094	.060	.100	.066	.043	.058	.039	.025	.019	.013	.008		
10.0	.161	.104	.066	.139	.090	.058	.096	.064	.041	.056	.038	.024	.018	.012	.008		

Test System:HopooColor HPG1800
 Temperature:25.3DEG
 Operators:W
 Test Date:2024年08月15日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.450 m
 Remarks:

Uncorrected UGR Table

Report number:

MANUFACTURER:										
Address:										
NAME: 0028920233 14.4W 3000K 1800lm					TYPE:			WEIGHT:		
SPECIFICATION:					DIMENSION: 0.28*0.052			SERIAL No.:		

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	20.4	21.9	20.8	22.2	22.5	20.4	21.9	20.7	22.2	22.5
3H	22.1	23.5	22.5	23.8	24.2	22.0	23.4	22.4	23.7	24.0
4H	22.9	24.2	23.3	24.5	24.9	22.7	24.0	23.1	24.3	24.7
6H	23.5	24.7	23.9	25.1	25.5	23.2	24.4	23.6	24.8	25.2
8H	23.8	24.9	24.2	25.3	25.7	23.4	24.6	23.9	25.0	25.4
12H	24.0	25.2	24.5	25.5	26.0	23.6	24.7	24.0	25.1	25.5
4H 2H	21.1	22.3	21.5	22.7	23.1	21.0	22.3	21.4	22.7	23.0
3H	22.9	24.0	23.3	24.4	24.8	22.9	24.0	23.3	24.4	24.8
4H	23.8	24.8	24.2	25.2	25.7	23.7	24.7	24.2	25.1	25.6
6H	24.5	25.5	25.0	25.9	26.4	24.4	25.3	24.9	25.8	26.2
8H	24.9	25.7	25.4	26.2	26.7	24.7	25.5	25.2	26.0	26.5
12H	25.2	26.0	25.7	26.5	27.0	24.9	25.7	25.4	26.2	26.7
8H 4H	24.1	24.9	24.6	25.4	25.9	24.0	24.9	24.5	25.3	25.8
6H	25.0	25.7	25.5	26.2	26.8	24.9	25.6	25.5	26.1	26.7
8H	25.5	26.1	26.0	26.6	27.2	25.3	26.0	25.9	26.5	27.1
12H	25.9	26.5	26.5	27.0	27.6	25.7	26.3	26.3	26.8	27.4
12H 4H	24.1	24.9	24.6	25.4	25.9	24.0	24.8	24.6	25.3	25.8
6H	25.1	25.7	25.7	26.3	26.8	25.0	25.7	25.6	26.2	26.7
8H	25.6	26.2	26.2	26.7	27.3	25.5	26.1	26.1	26.6	27.2

Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 1959 lm Total Lamp Luminous Flux. (8log(F/F0) = 2.3)

Test System: HopooColor HPG1800 Test Set: 5.0deg/s C-Gamma (TYPE C)
 Temperature: 25.3DEG Humidity: 65.0%
 Operators: W Test Distance: 8.450 m
 Test Date: 2024年08月15日 Remarks:

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:		
Address:		
NAME: 0028920233 14.4W 3000K 1800lm	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 0.28*0.052	SERIAL No.:

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	55	43	36	54	43	36	53	42	36	29
0.80	65	53	45	63	52	45	61	51	44	37
1.00	73	61	54	72	61	53	69	62	53	45
1.25	80	69	62	78	68	61	75	66	60	52
1.50	85	75	67	83	73	67	79	71	65	57
2.00	92	83	76	90	81	75	86	79	73	64
2.50	96	88	81	94	86	80	89	83	78	68
3.00	100	92	86	97	90	85	92	87	82	72
4.00	104	97	92	101	95	91	96	91	87	77
5.00	106	101	96	103	99	94	98	94	91	80
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

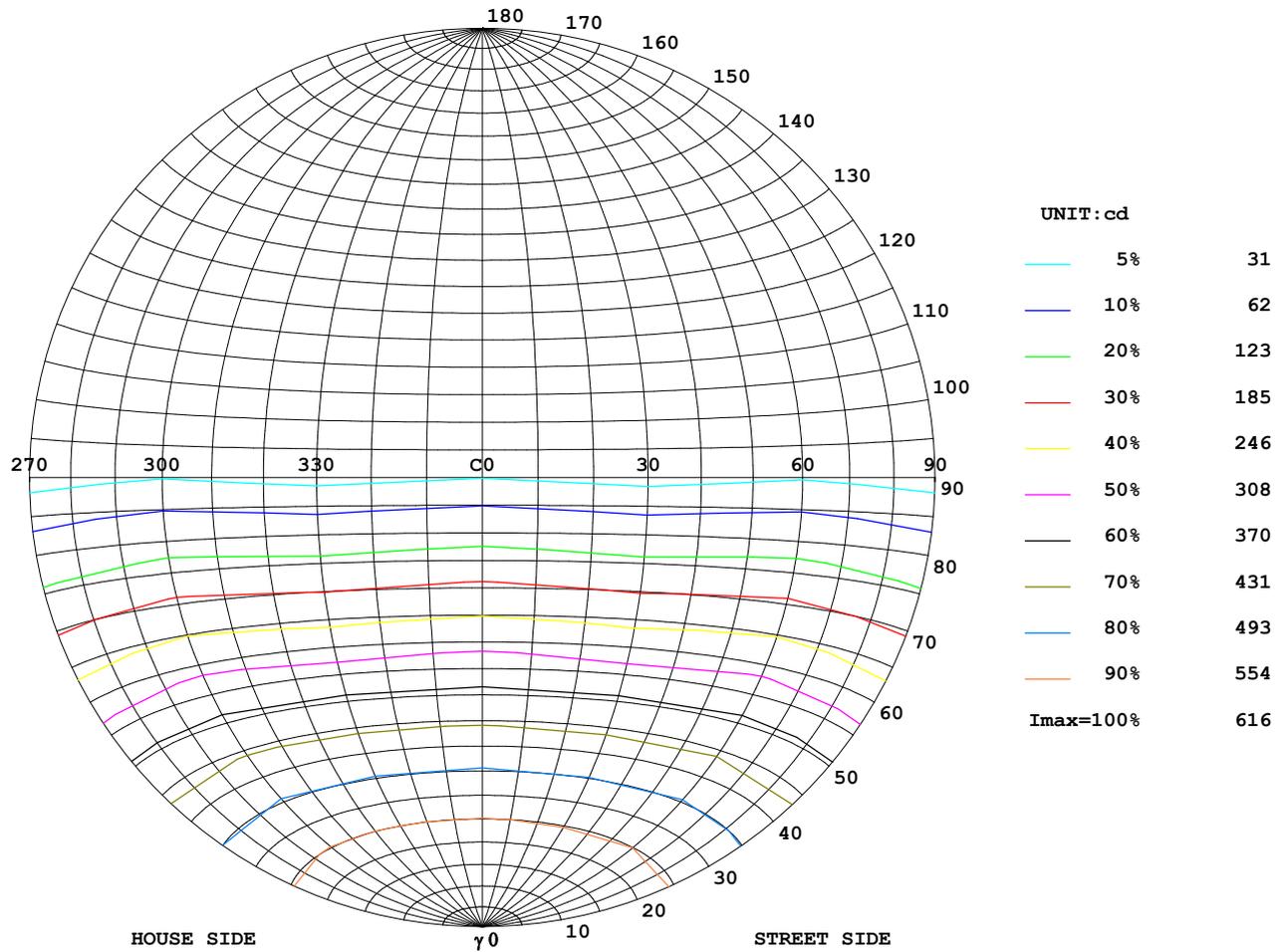
Test System: HopooColor HPG1800
 Temperature: 25.3DEG
 Operators: W
 Test Date: 2024年08月15日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 8.450 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 0028920233 14.4W 3000K 1800lm	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 0.28*0.052	SERIAL No.:



Test System: HopooColor HPG1800
 Temperature: 25.3 DEG
 Operators: W
 Test Date: 2024年08月15日

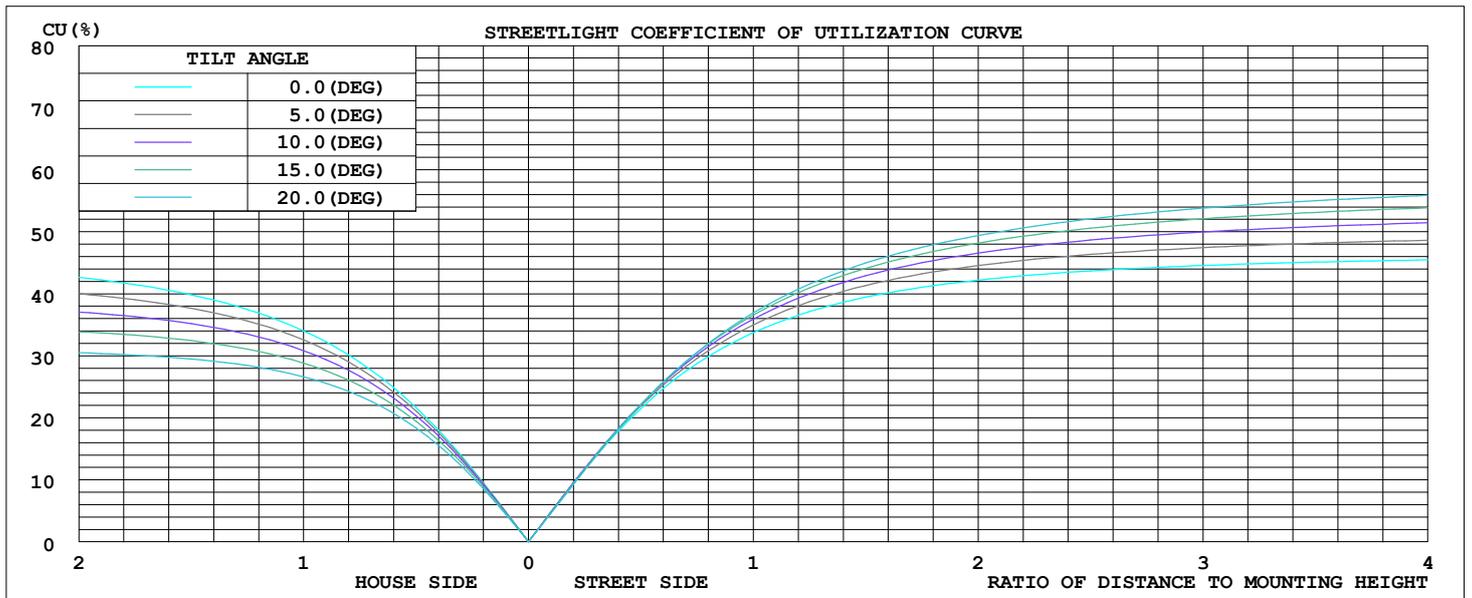
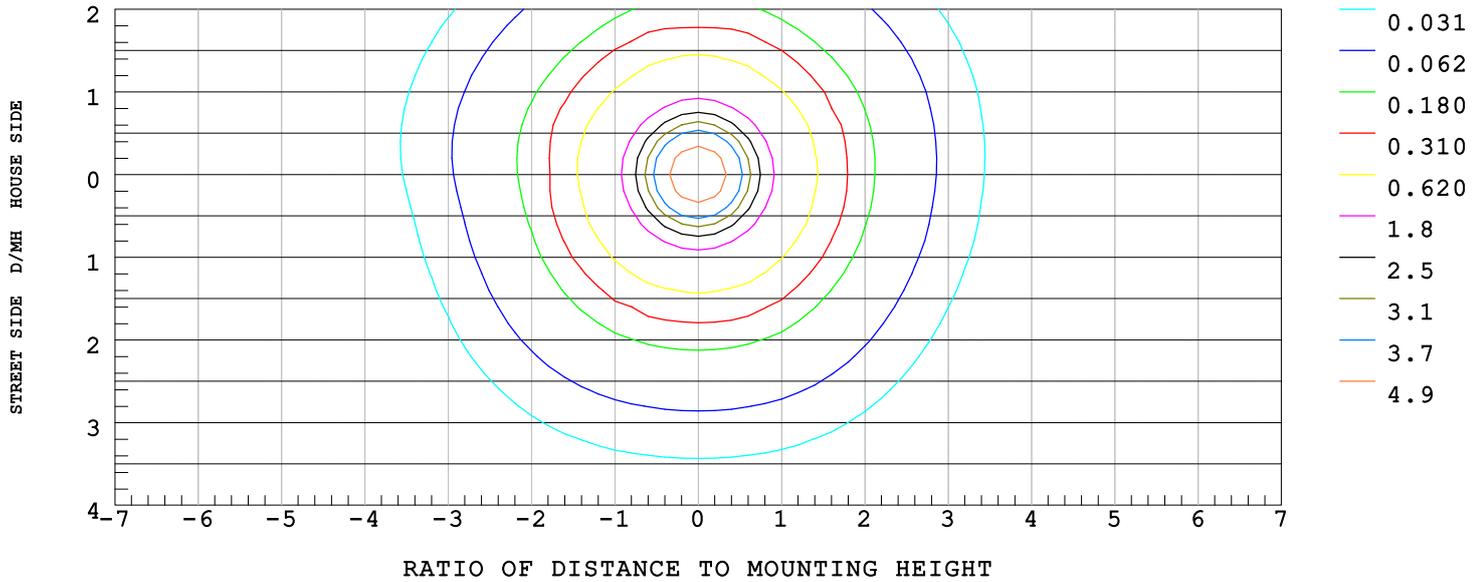
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 8.450 m
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 0028920233 14.4W 3000K 1800lm	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 0.28*0.052	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 6.16 lx



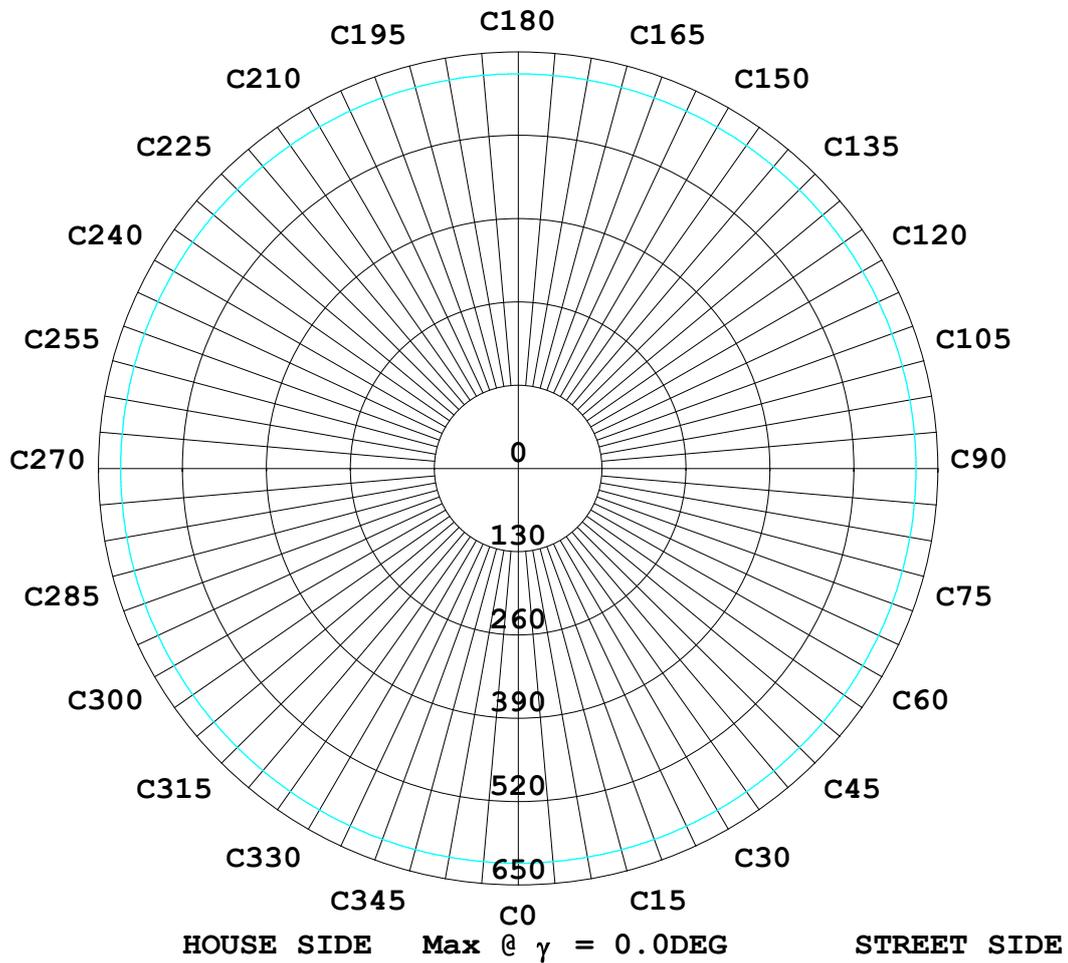
Test System: HopooColor HPG1800
 Temperature: 25.3 DEG
 Operators: W
 Test Date: 2024年08月15日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 8.450 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 0028920233 14.4W 3000K 1800lm	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 0.28*0.052	SERIAL No.:



Test System: HopooColor HPG1800
 Temperature: 25.3DEG
 Operators: W
 Test Date: 2024年08月15日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 8.450 m
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:		
Address:		
NAME: 0028920233 14.4W 3000K 1800lm	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 0.28*0.052	SERIAL No.:

UNIT: cd

γ (DEG)	C (DEG)											
	0	30	60	90	120	150	180	210	240	270	300	330
0.0	616	616	616	616	616	616	616	616	616	616	616	616
5.0	614	614	614	613	613	613	613	614	614	614	614	614
10.0	607	606	607	605	606	604	606	606	606	607	607	608
15.0	595	594	594	593	593	591	592	594	593	595	594	596
20.0	578	576	577	574	575	572	574	576	575	578	577	579
25.0	555	553	554	551	552	548	551	553	552	555	554	557
30.0	529	526	527	524	524	521	523	526	524	528	527	530
35.0	497	494	496	492	493	488	491	495	493	497	496	500
40.0	462	458	460	456	457	452	456	459	457	462	460	465
45.0	424	420	423	417	419	414	416	420	418	423	421	426
50.0	382	378	381	375	377	371	375	379	377	383	380	386
55.0	338	326	336	323	332	319	323	335	324	338	328	341
60.0	291	280	289	276	282	272	275	281	278	278	282	296
65.0	245	231	243	227	238	223	227	241	229	245	233	249
70.0	195	182	193	178	189	174	177	192	179	195	183	199
75.0	147	134	145	130	141	127	130	144	131	147	136	151
80.0	101	88.7	98.9	85.2	95.0	82.4	85.2	97.7	86.0	100	89.8	104
85.0	60.3	50.5	58.4	47.6	55.4	45.6	47.6	57.7	48.1	59.7	51.2	63.3
90.0	30.0	25.3	29.1	24.7	27.4	24.5	24.5	28.3	24.4	29.7	25.2	31.8
95.0	25.4	24.3	25.2	24.0	24.9	23.9	23.8	24.7	23.7	24.8	23.9	25.2
100.0	24.4	23.6	24.2	23.3	23.9	23.2	23.0	23.7	22.9	23.7	23.1	24.1
105.0	23.4	22.7	23.2	22.5	23.1	22.4	22.2	22.7	22.0	22.7	22.2	23.1
110.0	22.4	21.5	22.2	21.6	22.0	21.2	21.2	21.4	21.0	21.7	21.2	21.9
115.0	21.3	19.9	20.9	16.6	20.5	19.7	20.2	19.9	19.5	19.2	19.8	20.4
120.0	20.2	18.4	18.9	15.5	18.7	18.3	19.0	18.4	17.6	15.2	17.9	18.8
125.0	18.8	16.9	16.7	14.2	16.5	16.8	17.7	16.9	15.4	14.9	15.7	17.2
130.0	17.4	15.5	14.5	12.5	14.4	15.4	16.3	15.5	13.4	13.2	13.7	15.7
135.0	15.9	14.1	12.6	10.6	12.6	14.1	14.9	14.2	11.7	11.0	11.8	14.4
140.0	14.4	12.7	10.9	9.49	11.0	12.7	13.4	12.7	10.2	9.71	10.3	12.9
145.0	12.7	11.2	9.71	8.56	9.85	11.2	11.9	11.4	9.06	8.71	9.21	11.5
150.0	11.2	9.85	8.56	7.49	8.78	9.92	10.4	10.1	8.06	7.85	8.13	10.2
155.0	9.56	8.42	7.35	6.14	7.56	8.56	8.92	8.78	6.99	6.28	7.06	8.85
160.0	8.06	7.14	6.49	5.56	6.64	7.21	7.49	7.49	6.14	5.71	6.21	7.56
165.0	6.64	5.92	5.64	5.14	5.78	6.06	6.28	6.35	5.42	5.14	5.42	6.42
170.0	5.42	4.99	4.92	4.64	5.06	5.06	5.21	5.35	4.78	4.71	4.78	5.42
175.0	4.64	4.42	4.49	4.42	4.56	4.49	4.56	4.64	4.42	4.42	4.42	4.64
180.0	4.56	4.49	4.49	4.42	4.49	4.42	4.49	4.49	4.42	4.42	4.42	4.49

Test System:HopooColor HPG1800
 Temperature:25.3DEG
 Operators:W
 Test Date:2024年08月15日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.450 m
 Remarks: