

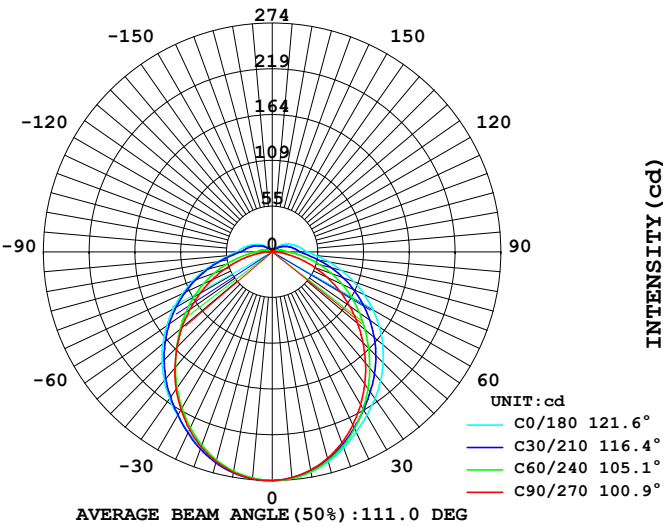
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

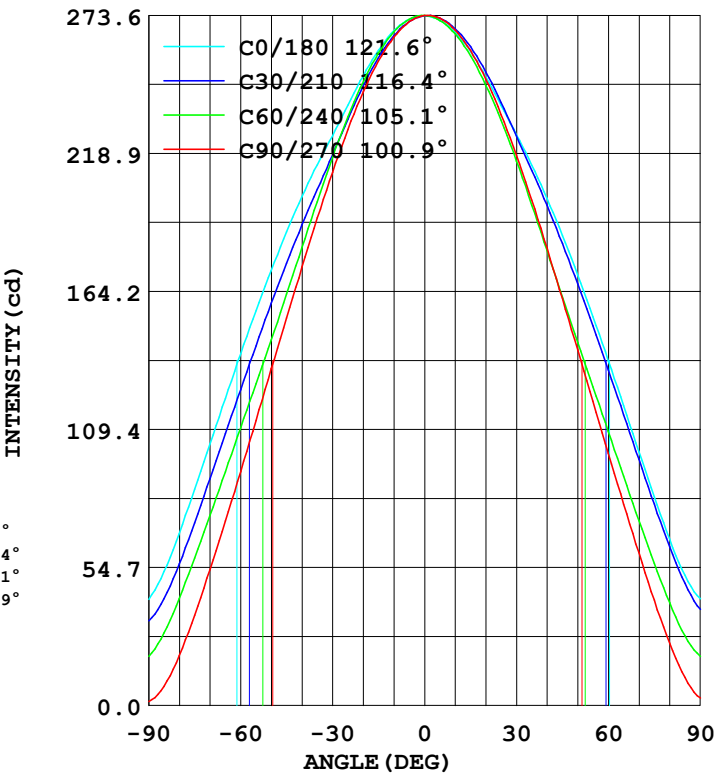
MANUFACTURER:		
Address:		
NAME: 350mA 3000K with trim	TYPE:	WEIGHT: 0.5
SPECIFICATION:	DIMENSION: 0.245*0.125*0.07	SERIAL No.:

DATA OF LAMP		Imax(cd)	273.6	S/MH (C0/180)	1.24
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.16
NOMINAL POWER(W)	12	TOTAL FLUX(lm)	862.21	Voltage(V)	229.5
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	73.1	Current(A)	0.054
NOMINAL FLUX(lm)	862.2	η up (%)	7.7	Power(W)	11.79
LAMPS QUANTITY	1	η down (%)	92.3	Power Factor (PF)	0.956
TEST VOLTAGE (V)	229.6	Effective Flux(lm)	811.5	EEI	0.000 (E)

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



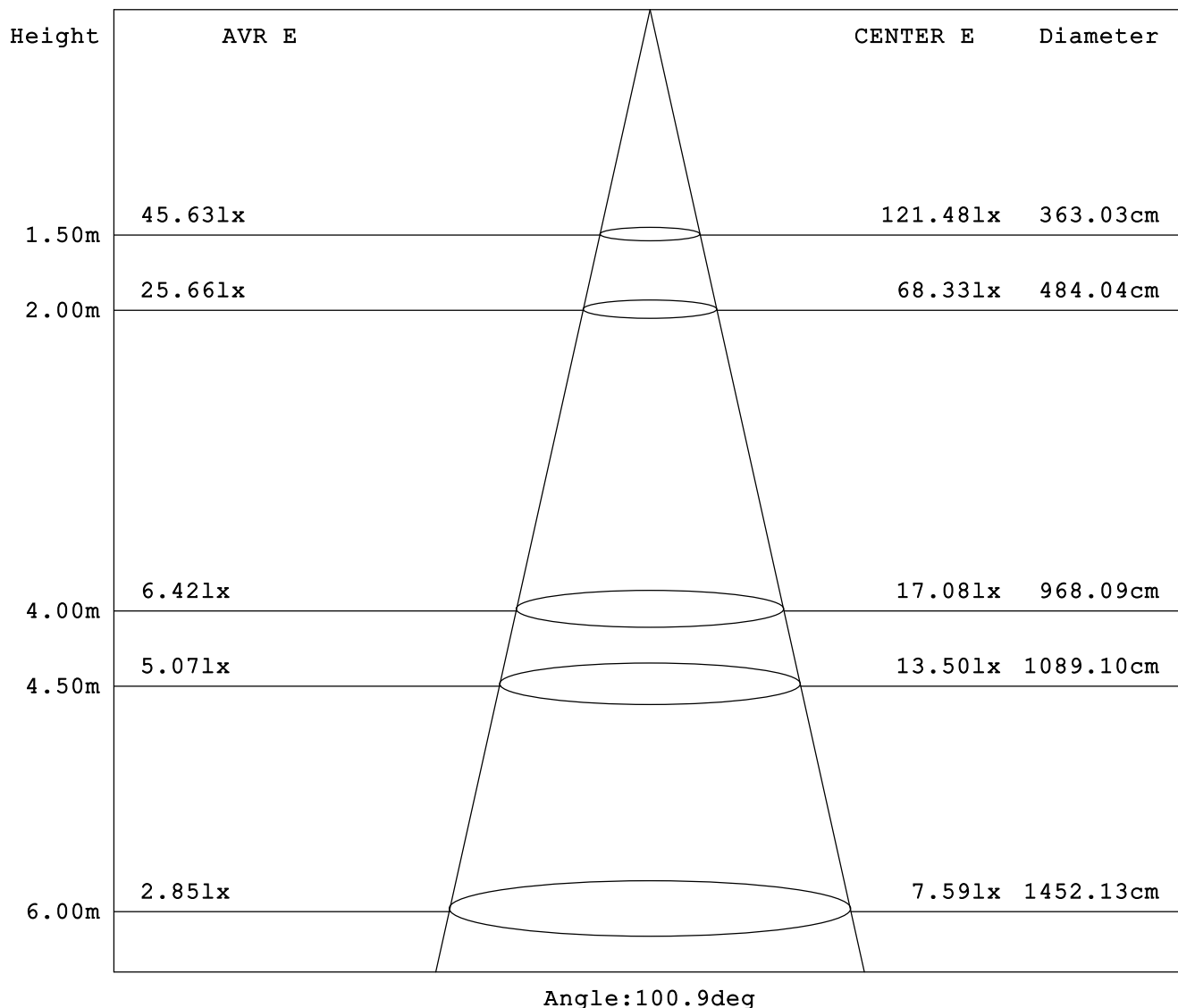
Test System:HopooColor HPG1800
Temperature:25.3DEG
Operators:W
Test Date:2023年06月29日

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: 350mA 3000K with trim	TYPE:	WEIGHT: 0.5
SPECIFICATION:	DIMENSION: 0.245*0.125*0.07	SERIAL No.:



Test System: HopooColor HPG1800
 Temperature: 25.3DEG
 Operators: W
 Test Date: 2023年06月29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: 350mA 3000K with trim	TYPE:	WEIGHT: 0.5
SPECIFICATION:	DIMENSION: 0.245*0.125*0.07	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	271.9	271.5	271.1	271.4	271.5	272.0	272.5	271.7	0- 5	6.517	6.517
10.0	267.4	266.2	264.9	266.2	266.9	267.2	267.7	266.9	5- 10	19.26	25.78
15.0	259.6	257.7	255.5	257.9	259.1	259.4	259.7	258.8	10- 15	31.15	56.94
20.0	249.4	246.4	243.3	247.0	249.1	248.5	248.4	247.7	15- 20	41.70	98.64
25.0	237.9	232.9	228.4	233.8	237.9	235.5	234.2	234.4	20- 25	50.52	149.1
30.0	225.8	217.7	211.4	219.0	226.2	220.8	218.2	219.4	25- 30	57.43	206.6
35.0	214.2	202.1	193.3	203.6	214.1	205.1	200.2	203.4	30- 35	62.40	269.0
40.0	201.7	186.0	173.7	187.5	200.9	189.3	181.4	187.5	35- 40	65.46	334.4
45.0	187.7	169.1	153.6	170.5	186.2	172.5	161.3	170.7	40- 45	66.52	400.9
50.0	172.4	152.1	133.5	153.5	170.5	155.4	140.8	153.5	45- 50	65.69	466.6
55.0	156.5	135.1	113.0	136.3	154.0	138.4	120.6	136.7	50- 55	63.11	529.7
60.0	139.3	117.5	92.68	118.6	136.5	120.7	99.96	119.1	55- 60	58.87	588.6
65.0	121.5	100.1	73.18	101.1	118.8	103.0	79.75	101.5	60- 65	53.19	641.8
70.0	103.7	82.64	53.83	83.64	100.6	85.46	60.54	84.00	65- 70	46.27	688.1
75.0	85.68	65.40	35.70	66.40	82.68	68.08	41.77	66.61	70- 75	38.48	726.6
80.0	68.18	49.30	19.92	50.44	65.97	51.83	24.63	50.30	75- 80	30.28	756.9
85.0	53.05	35.55	7.568	36.87	51.55	38.02	11.13	36.41	80- 85	22.45	779.3
90.0	42.12	26.49	1.642	28.02	42.34	28.81	2.998	26.99	85- 90	16.30	795.6
95.0	37.27	22.52	1.213	23.77	37.77	24.59	1.499	22.84	90- 95	13.01	808.6
100.0	33.20	19.35	1.285	20.27	33.41	21.02	1.499	19.63	95-100	11.20	819.9
105.0	29.27	16.35	1.428	16.92	29.27	17.70	1.499	16.56	100-105	9.510	829.4
110.0	25.56	13.49	1.642	13.81	25.34	14.49	1.642	13.67	105-110	7.884	837.2
115.0	21.99	10.67	1.785	10.74	21.42	11.42	1.856	10.92	110-115	6.318	843.6
120.0	18.42	8.104	1.999	7.997	17.70	8.711	1.999	8.461	115-120	4.883	848.5
125.0	14.92	5.926	2.142	5.819	13.99	6.569	2.142	6.497	120-125	3.631	852.1
130.0	11.21	4.426	2.284	4.212	9.996	4.926	2.284	4.962	125-130	2.641	854.7
135.0	7.568	3.141	2.499	2.927	6.354	3.498	2.427	3.605	130-135	1.813	856.5
140.0	4.426	2.641	2.641	2.606	3.427	2.748	2.641	2.784	135-140	1.206	857.7
145.0	2.927	2.748	2.784	2.713	2.927	2.856	2.784	2.856	140-145	0.942	858.7
150.0	2.927	2.891	2.927	2.856	2.998	2.963	2.927	2.998	145-150	0.849	859.5
155.0	2.998	2.998	2.998	2.927	3.141	3.070	3.070	3.106	150-155	0.756	860.3
160.0	3.070	3.070	3.141	3.070	3.213	3.141	3.213	3.213	155-160	0.647	860.9
165.0	3.141	3.141	3.141	3.106	3.284	3.248	3.284	3.284	160-165	0.522	861.5
170.0	3.213	3.248	3.284	3.213	3.355	3.320	3.355	3.355	165-170	0.385	861.8
175.0	3.284	3.320	3.284	3.284	3.427	3.355	3.355	3.355	170-175	0.237	862.1
180.0	3.355	3.355	3.355	3.355	3.355	3.355	3.355	3.355	175-180	0.080	862.2
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

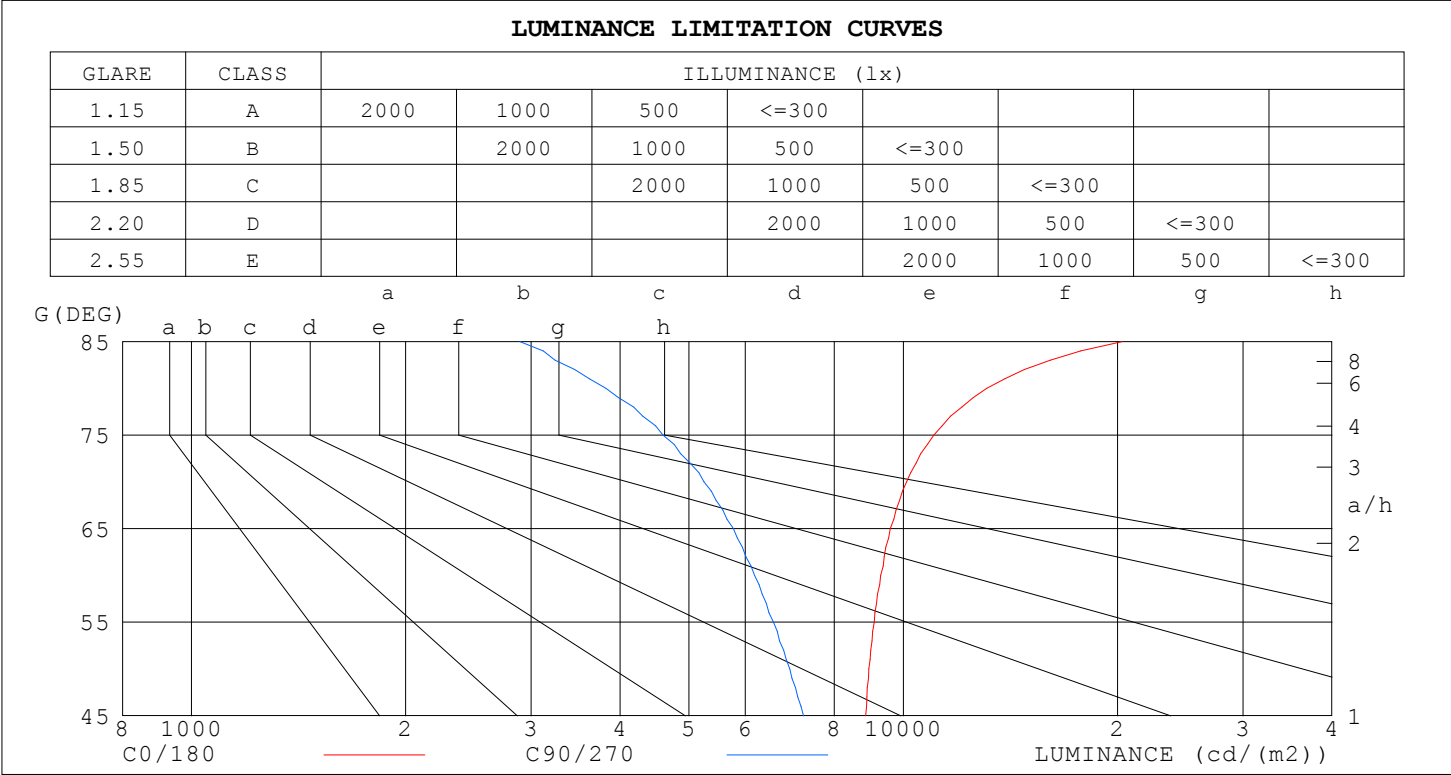
Test System:HopooColor HPG1800
Temperature:25.3DEG
Operators:W
Test Date:2023年06月29日

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: 350mA 3000K with trim		TYPE:		WEIGHT: 0.5	
SPECIFICATION:		DIMENSION: 0.245*0.125*0.07		SERIAL No.:	



LUMINANCE cd/m2		
G (DEG)	C0/180	C90/270
85	20290	2895
80	13090	3824
75	11035	4598
70	10111	5247
65	9591	5773
60	9292	6179
55	9100	6569
50	8942	6928
45	8849	7244

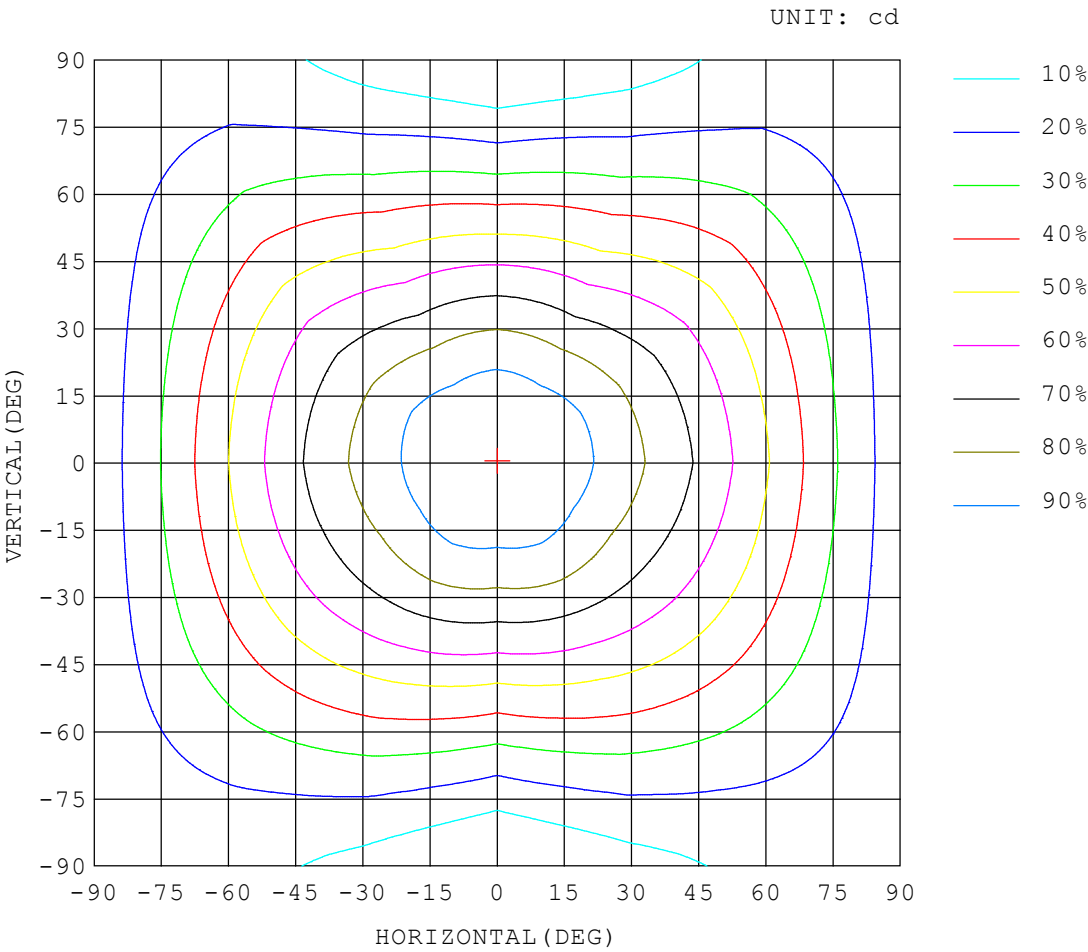
Test System:HopooColor HPG1800
Temperature:25.3DEG
Operators:W
Test Date:2023年06月29日

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: 350mA 3000K with trim	TYPE:	WEIGHT: 0.5
SPECIFICATION:	DIMENSION: 0.245*0.125*0.07	SERIAL No.:



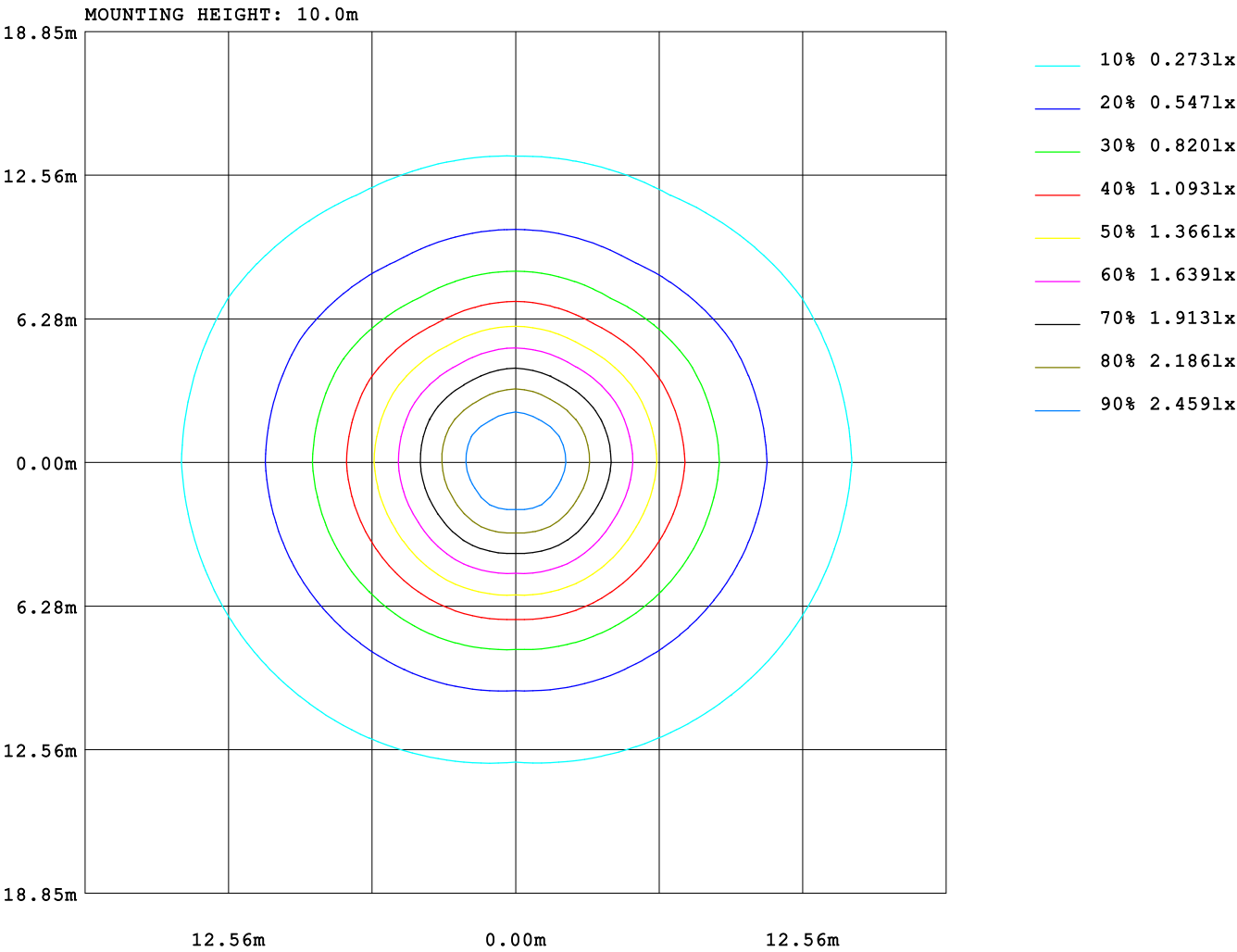
Test System:HopooColor HPG1800
Temperature:25.3DEG
Operators:W
Test Date:2023年06月29日

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: 350mA 3000K with trim	TYPE:	WEIGHT: 0.5
SPECIFICATION:	DIMENSION: 0.245*0.125*0.07	SERIAL No.:



Test System:HopooColor HPG1800
Temperature:25.3DEG
Operators:W
Test Date:2023年06月29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: 350mA 3000K with trim									TYPE:						WEIGHT: 0.5					
SPECIFICATION:									DIMENSION: 0.245*0.125*0.07						SERIAL No.:					

90 80 70 60 50 40 30
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Test System:HopooColor HPG1800
Temperature:25.3DEG
Operators:W
Test Date:2023年06月29日

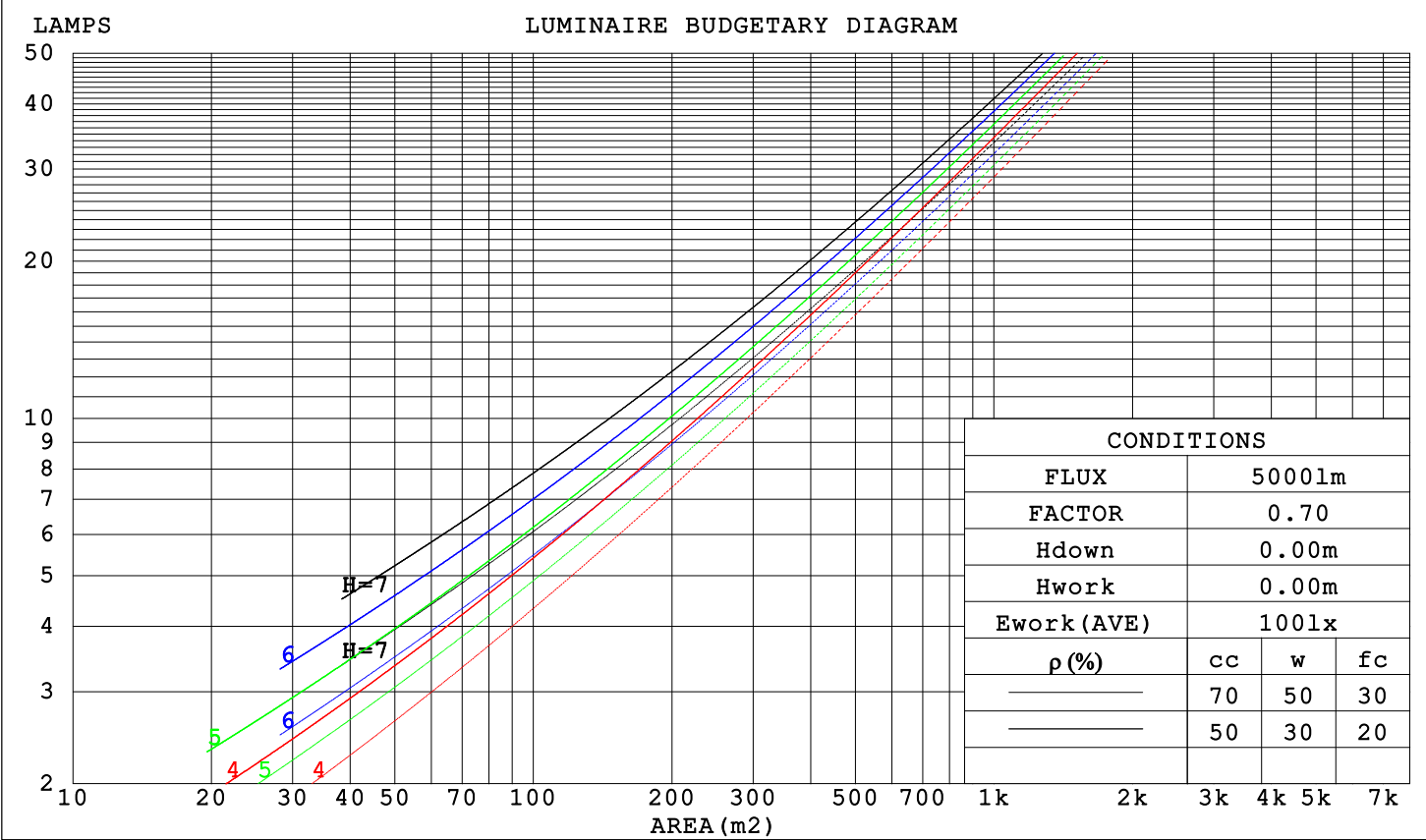
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.450 m
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:															
Address:															
NAME: 350mA 3000K with trim								TYPE:				WEIGHT: 0.5			
SPECIFICATION:								DIMENSION: 0.245*0.125*0.07				SERIAL No.:			

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.17	1.17	1.17	1.14	1.14	1.14	1.07	1.07	1.07	1.01	1.01	1.01	.95	.95	.95	.92
1.0	1.00	.96	.91	.97	.93	.89	.92	.88	.85	.86	.84	.81	.82	.79	.77	.74
2.0	.87	.80	.74	.84	.78	.72	.79	.74	.69	.75	.70	.66	.71	.67	.64	.61
3.0	.76	.68	.61	.74	.66	.60	.70	.63	.58	.66	.60	.56	.62	.58	.54	.51
4.0	.67	.58	.51	.65	.57	.50	.62	.55	.49	.59	.52	.47	.56	.50	.46	.43
5.0	.60	.51	.44	.58	.50	.43	.55	.48	.42	.53	.46	.41	.50	.44	.40	.38
6.0	.54	.45	.38	.53	.44	.38	.50	.42	.37	.48	.41	.36	.45	.40	.35	.33
7.0	.49	.40	.34	.48	.39	.33	.45	.38	.33	.43	.37	.32	.41	.36	.31	.29
8.0	.45	.36	.30	.44	.35	.30	.42	.34	.29	.40	.33	.28	.38	.32	.28	.26
9.0	.41	.33	.27	.40	.32	.27	.38	.31	.26	.37	.30	.26	.35	.29	.25	.23
10.0	.38	.30	.24	.37	.29	.24	.35	.29	.24	.34	.28	.23	.33	.27	.23	.21



Test System:HopooColor HPG1800
Temperature:25.3DEG
Operators:W
Test Date:2023年06月29日

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

WEC AND CCEC

Report number:

MANUFACTURER:															
Address:															
NAME: 350mA 3000K with trim								TYPE:				WEIGHT: 0.5			
SPECIFICATION:								DIMENSION: 0.245*0.125*0.07				SERIAL No.:			

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pf _c	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.342	.194	.062	.332	.189	.060	.314	.180	.058	.298	.172	.055	.283	.164	.053	
2.0	.308	.169	.052	.300	.165	.051	.284	.158	.049	.269	.151	.047	.255	.144	.046	
3.0	.279	.149	.045	.272	.146	.044	.258	.140	.042	.244	.134	.041	.232	.129	.040	
4.0	.255	.132	.039	.248	.130	.038	.235	.125	.037	.223	.120	.036	.212	.115	.035	
5.0	.234	.119	.035	.228	.117	.034	.216	.113	.033	.206	.108	.032	.196	.104	.031	
6.0	.216	.108	.031	.210	.106	.031	.200	.102	.030	.190	.099	.029	.181	.095	.028	
7.0	.200	.099	.028	.195	.097	.028	.186	.094	.027	.177	.091	.026	.169	.088	.026	
8.0	.186	.091	.026	.182	.089	.025	.173	.087	.025	.165	.084	.024	.158	.081	.024	
9.0	.174	.084	.024	.170	.083	.023	.162	.080	.023	.155	.078	.022	.148	.075	.022	
10.0	.163	.078	.022	.160	.077	.022	.153	.075	.021	.146	.072	.021	.139	.070	.020	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pf _c	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients (CCEC)												
0.0	.249	.249	.249	.213	.213	.213	.145	.145	.145	.084	.084	.084	.027	.027	.027	
1.0	.242	.215	.191	.207	.185	.164	.142	.127	.114	.081	.074	.066	.026	.024	.021	
2.0	.234	.192	.156	.200	.165	.135	.137	.114	.094	.079	.066	.055	.025	.021	.018	
3.0	.226	.174	.133	.194	.150	.115	.133	.104	.081	.077	.061	.048	.025	.020	.016	
4.0	.219	.161	.118	.188	.139	.102	.129	.097	.072	.075	.057	.043	.024	.019	.014	
5.0	.211	.151	.107	.181	.131	.093	.125	.091	.066	.072	.054	.039	.023	.018	.013	
6.0	.204	.143	.099	.175	.124	.087	.121	.087	.061	.070	.051	.036	.023	.017	.012	
7.0	.197	.136	.094	.169	.118	.082	.117	.083	.058	.068	.049	.034	.022	.016	.011	
8.0	.190	.130	.090	.164	.113	.078	.113	.079	.055	.066	.047	.033	.021	.015	.011	
9.0	.184	.126	.086	.158	.109	.075	.110	.077	.053	.064	.045	.032	.021	.015	.011	
10.0	.178	.121	.084	.154	.105	.073	.107	.074	.052	.062	.044	.031	.020	.014	.010	

Test System:HopooColor HPG1800
Temperature:25.3DEG
Operators:W
Test Date:2023年06月29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: 350mA 3000K with trim					TYPE:			WEIGHT: 0.5			
SPECIFICATION:					DIMENSION: 0.245*0.125*0.07			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	20.1	21.6	20.5	21.9	22.2	18.7	20.2	19.1	20.5	20.9	
	22.2	23.5	22.6	23.9	24.3	20.1	21.4	20.5	21.8	22.2	
	23.2	24.5	23.6	24.9	25.3	20.6	21.9	21.0	22.3	22.7	
	24.2	25.4	24.7	25.8	26.3	20.9	22.1	21.4	22.5	23.0	
	24.8	25.9	25.2	26.4	26.8	21.0	22.2	21.5	22.6	23.0	
	25.4	26.5	25.8	26.9	27.4	21.0	22.2	21.5	22.6	23.1	
4H	2H	20.6	21.9	21.0	22.3	22.7	19.6	20.8	20.0	21.2	21.7
	3H	22.9	24.0	23.3	24.4	24.9	21.2	22.3	21.7	22.8	23.2
	4H	24.1	25.1	24.6	25.5	26.0	21.9	22.9	22.4	23.4	23.9
	6H	25.3	26.2	25.8	26.7	27.2	22.4	23.3	22.9	23.8	24.3
	8H	25.9	26.8	26.5	27.3	27.9	22.6	23.4	23.1	23.9	24.5
	12H	26.7	27.5	27.2	28.0	28.5	22.7	23.4	23.2	24.0	24.5
8H	4H	24.3	25.2	24.9	25.7	26.2	22.5	23.4	23.0	23.9	24.4
	6H	25.8	26.5	26.4	27.0	27.6	23.3	24.0	23.9	24.6	25.1
	8H	26.6	27.2	27.2	27.8	28.4	23.6	24.3	24.2	24.8	25.4
	12H	27.5	28.1	28.1	28.7	29.3	23.9	24.4	24.5	25.0	25.6
12H	4H	24.4	25.1	24.9	25.7	26.2	22.6	23.4	23.2	23.9	24.5
	6H	25.9	26.5	26.5	27.1	27.7	23.6	24.2	24.1	24.8	25.4
	8H	26.8	27.3	27.4	27.9	28.5	24.0	24.6	24.6	25.1	25.8
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2					
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4					

CIE Pub.117 Corrected 862.2 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.5)

Test System:HopooColor HPG1800
 Temperature:25.3DEG
 Operators:W
 Test Date:2023年06月29日

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

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:										
Address:										
NAME: 350mA 3000K with trim					TYPE:			WEIGHT: 0.5		
SPECIFICATION:					DIMENSION: 0.245*0.125*0.07			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) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	53	42	35	52	41	35	28
0.80	64	51	44	62	51	44	60	50	43	36
1.00	72	60	52	70	59	52	67	60	51	43
1.25	78	67	59	77	66	59	73	64	58	50
1.50	83	73	65	81	71	64	78	69	63	54
2.00	90	81	74	88	79	72	84	76	70	61
2.50	94	86	79	92	84	78	87	80	75	65
3.00	98	90	84	95	88	82	90	84	79	69
4.00	102	96	90	99	93	88	94	89	85	74
5.00	105	99	94	102	97	92	96	92	88	77
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25		

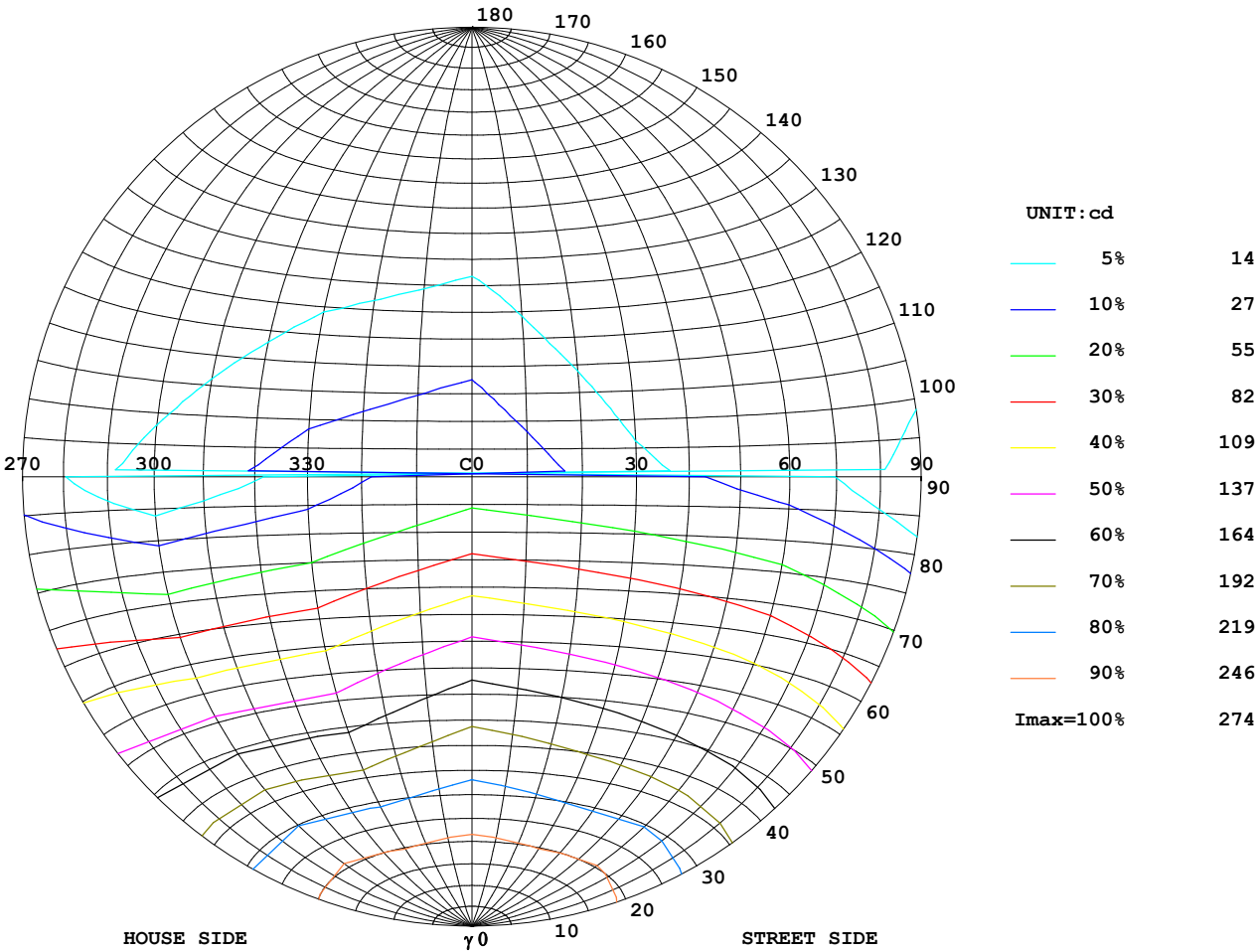
Test System:HopooColor HPG1800
Temperature:25.3DEG
Operators:W
Test Date:2023年06月29日

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: 350mA 3000K with trim	TYPE:	WEIGHT: 0.5
SPECIFICATION:	DIMENSION: 0.245*0.125*0.07	SERIAL No.:



Test System:HopooColor HPG1800
Temperature:25.3DEG
Operators:W
Test Date:2023年06月29日

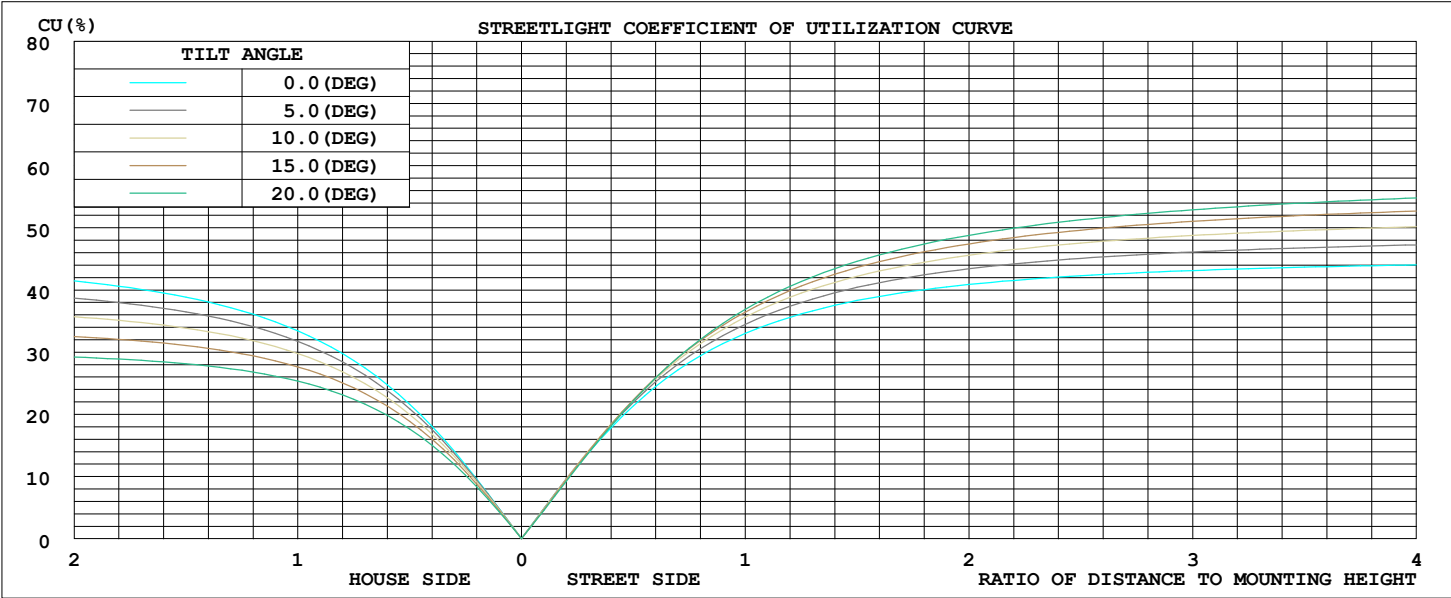
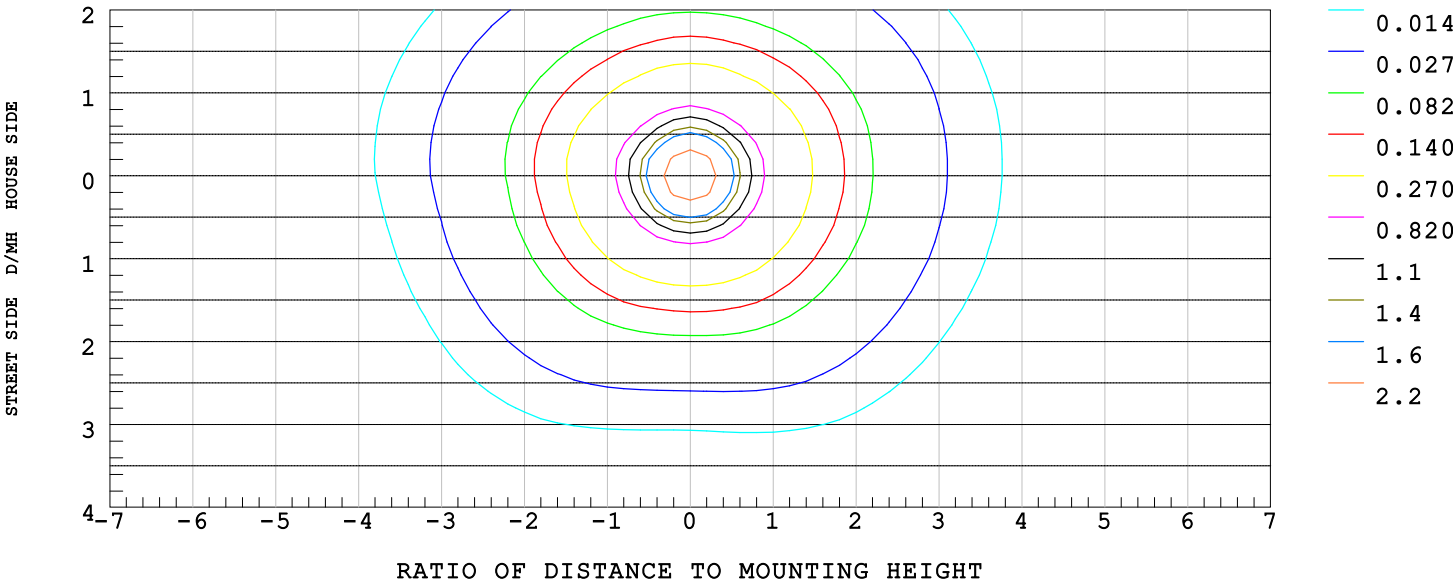
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.450 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 350mA 3000K with trim	TYPE:	WEIGHT: 0.5
SPECIFICATION:	DIMENSION: 0.245*0.125*0.07	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 2.73 lx



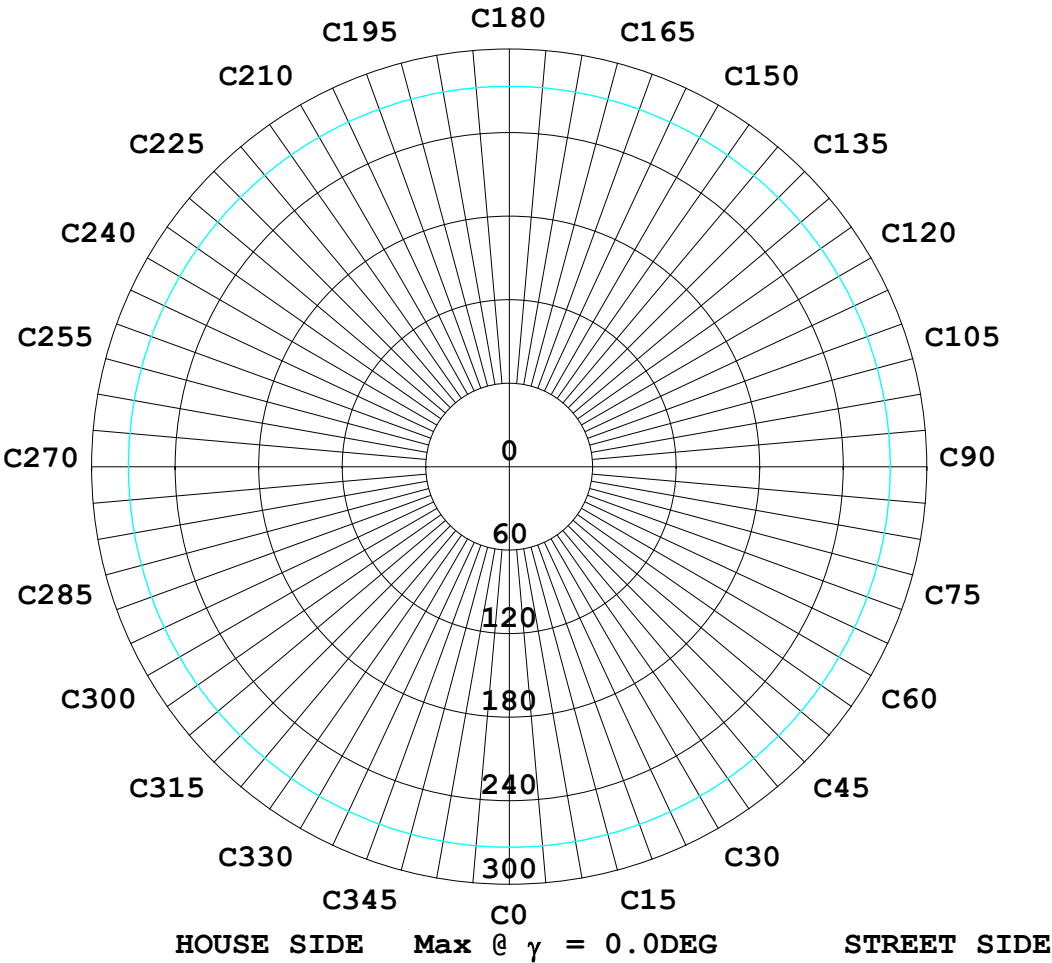
Test System:HopooColor HPG1800
Temperature:25.3DEG
Operators:W
Test Date:2023年06月29日

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: 350mA 3000K with trim	TYPE:	WEIGHT: 0.5
SPECIFICATION:	DIMENSION: 0.245*0.125*0.07	SERIAL No.:



Test System:HopooColor HPG1800
Temperature:25.3DEG
Operators:W
Test Date:2023年06月29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: 350mA 3000K with trim	TYPE:	WEIGHT: 0.5
SPECIFICATION:	DIMENSION: 0.245*0.125*0.07	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	273	273	274	274	273	273	273	273	274	274	273	273
5.0	272	271	272	271	272	271	272	272	272	273	271	272
10.0	267	266	267	265	267	266	267	268	266	268	266	268
15.0	260	257	259	256	259	257	259	261	258	260	257	260
20.0	249	246	247	243	248	246	249	251	246	248	245	250
25.0	238	232	233	228	234	234	238	239	232	234	231	238
30.0	226	218	217	211	218	220	226	226	216	218	215	224
35.0	214	205	200	193	201	206	214	212	198	200	197	210
40.0	202	191	182	174	183	192	201	198	180	181	179	196
45.0	188	175	163	154	165	176	186	183	162	161	160	182
50.0	172	160	145	134	147	160	171	167	144	141	142	166
55.0	157	143	128	113	129	143	154	151	126	121	124	149
60.0	139	125	110	92.6	112	126	137	133	109	99.9	106	132
65.0	122	108	92.5	73.1	93.8	108	119	115	90.9	79.7	89.1	114
70.0	104	89.8	75.4	53.8	76.6	90.6	101	97.6	73.3	60.5	71.5	96.4
75.0	85.6	72.4	58.4	35.7	59.6	73.1	82.6	79.8	56.3	41.7	54.6	78.6
80.0	68.1	56.1	42.4	19.9	43.5	57.3	65.9	62.9	40.7	24.6	39.0	61.5
85.0	53.0	42.3	28.7	7.56	29.9	43.7	51.5	48.4	27.6	11.1	25.9	46.9
90.0	42.1	33.5	19.4	1.64	20.7	35.3	42.3	38.1	19.4	2.99	17.7	36.2
95.0	37.2	29.7	15.3	1.21	16.3	31.2	37.7	33.2	15.9	1.49	14.3	31.3
100.0	33.2	26.1	12.5	1.28	13.2	27.2	33.4	29.2	12.8	1.49	11.6	27.6
105.0	29.2	22.7	9.99	1.42	10.3	23.4	29.2	25.3	10.0	1.49	9.06	24.0
110.0	25.5	19.4	7.56	1.64	7.64	19.9	25.3	21.5	7.42	1.64	6.71	20.6
115.0	21.9	16.2	5.14	1.78	4.99	16.4	21.4	18.0	4.78	1.85	4.42	17.4
120.0	18.4	12.9	3.21	1.99	2.92	13.0	17.7	14.6	2.78	1.99	2.71	14.2
125.0	14.9	9.63	2.21	2.14	2.21	9.42	13.9	10.9	2.21	2.14	2.21	10.7
130.0	11.2	6.49	2.35	2.28	2.35	6.06	9.99	7.49	2.35	2.28	2.35	7.56
135.0	7.56	3.78	2.49	2.49	2.49	3.35	6.35	4.49	2.49	2.42	2.49	4.71
140.0	4.42	2.64	2.64	2.64	2.57	2.64	3.42	2.85	2.64	2.64	2.71	2.85
145.0	2.92	2.78	2.71	2.78	2.71	2.71	2.92	2.92	2.78	2.78	2.78	2.92
150.0	2.92	2.92	2.85	2.92	2.85	2.85	2.99	2.99	2.92	2.92	2.92	3.07
155.0	2.99	2.99	2.99	2.99	2.92	2.92	3.14	3.07	3.07	3.07	3.07	3.14
160.0	3.07	3.07	3.07	3.14	3.07	3.07	3.21	3.14	3.14	3.21	3.21	3.21
165.0	3.14	3.14	3.14	3.14	3.14	3.07	3.28	3.21	3.28	3.28	3.28	3.28
170.0	3.21	3.28	3.21	3.28	3.21	3.21	3.35	3.28	3.35	3.35	3.35	3.35
175.0	3.28	3.35	3.28	3.28	3.28	3.28	3.42	3.35	3.35	3.35	3.35	3.35
180.0	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35

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