

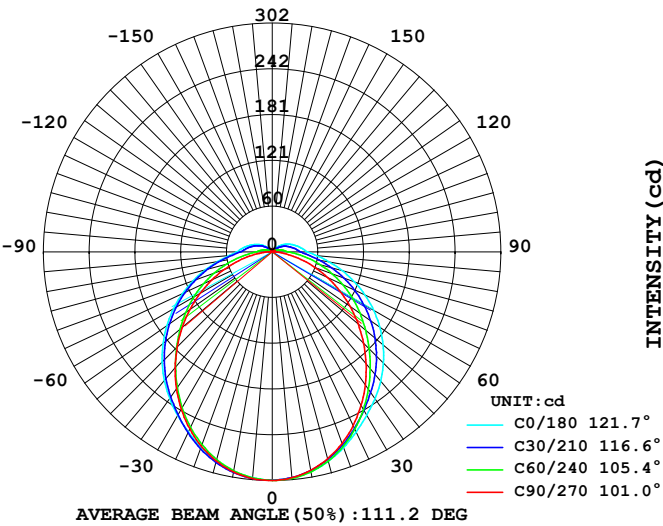
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

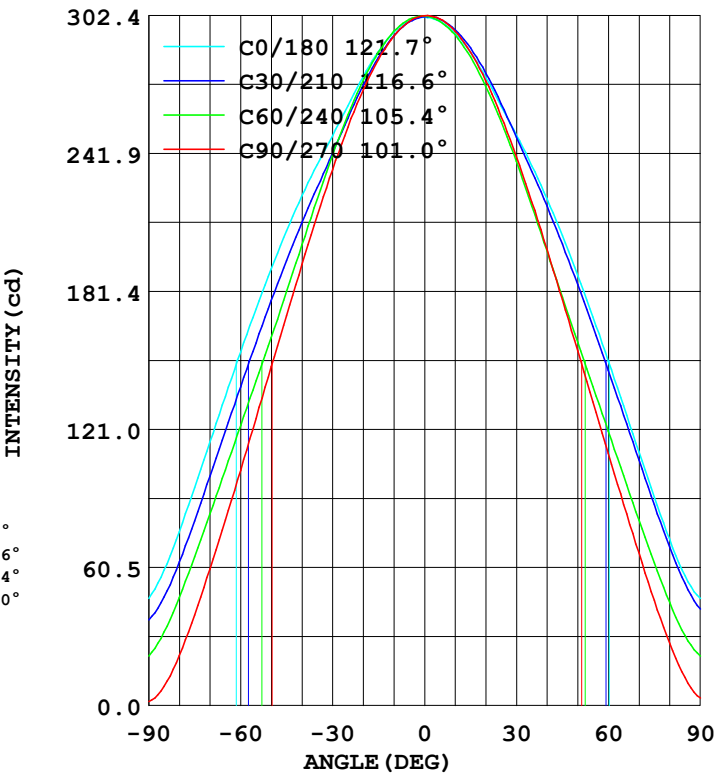
MANUFACTURER:		
Address:		
NAME: 350mA 4000K with trim	TYPE:	WEIGHT: 0.5
SPECIFICATION:	DIMENSION: 0.245*0.125*0.07	SERIAL No.:

DATA OF LAMP		Imax(cd)	302.3	S/MH (C0/180)	1.24
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.16
NOMINAL POWER(W)	12	TOTAL FLUX(lm)	954.60	Voltage(V)	229.5
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	84.0	Current(A)	0.052
NOMINAL FLUX(lm)	954.6	η up (%)	7.7	Power(W)	11.36
LAMPS QUANTITY	1	η down (%)	92.3	Power Factor (PF)	0.955
TEST VOLTAGE (V)	229.5	Effective Flux(lm)	899.1	EEl	0.000 (E)

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



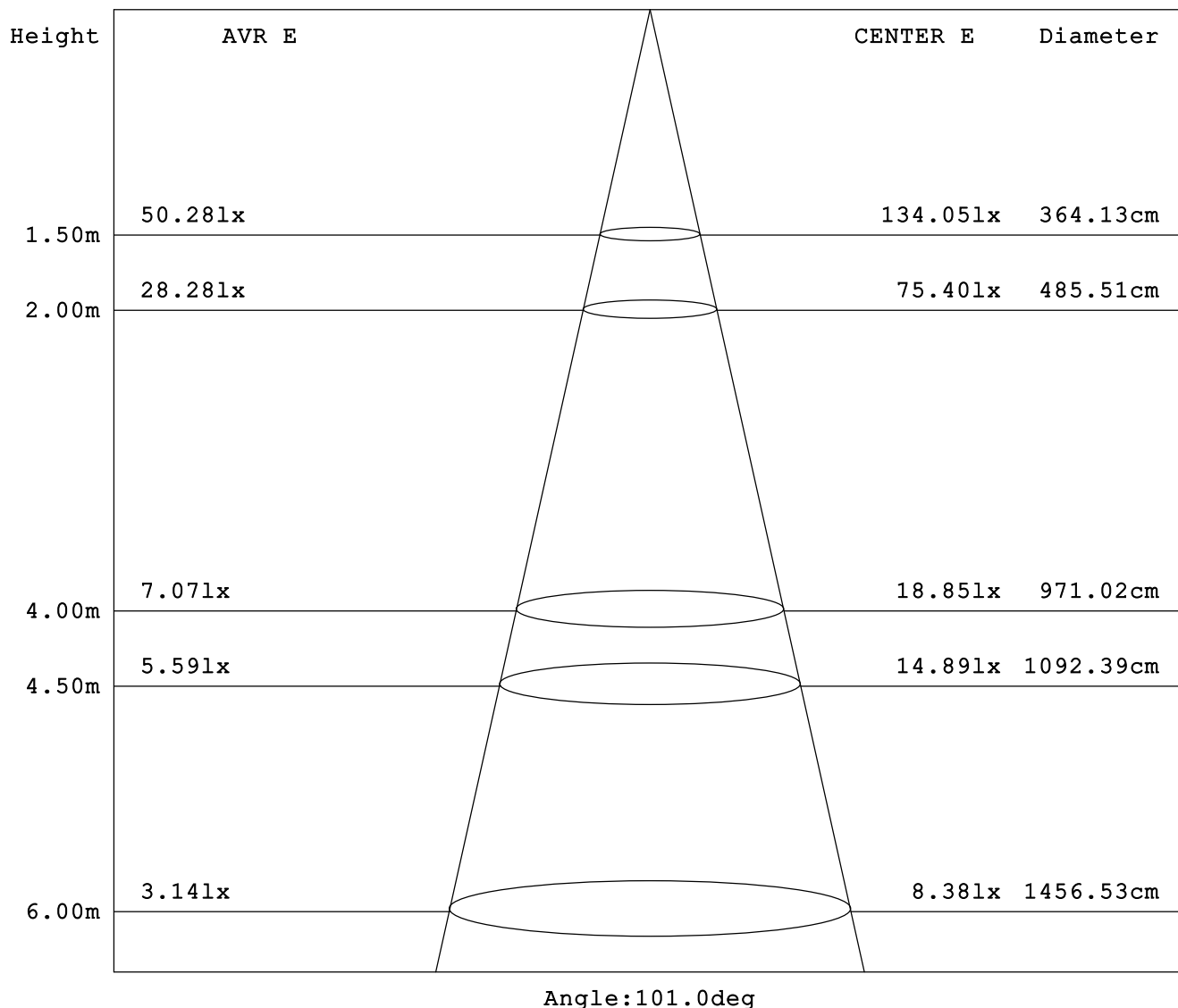
Test System:HopooColor HPG1800
Temperature:25.3DEG
Operators:W
Test Date:2023年06月29日

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 4000K 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 4000K 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	299.8	300.0	299.6	300.2	299.6	300.2	300.7	300.2	0- 5	7.198	7.198
10.0	295.0	294.4	293.2	294.6	294.5	294.9	295.3	294.7	5- 10	21.27	28.47
15.0	286.5	285.1	282.9	285.6	286.1	286.1	286.2	285.7	10- 15	34.41	62.89
20.0	275.5	272.9	269.7	273.6	275.1	274.1	273.6	273.4	15- 20	46.07	108.9
25.0	262.8	258.0	253.3	259.1	262.6	259.7	258.0	258.6	20- 25	55.84	164.8
30.0	249.6	241.5	234.6	242.8	249.8	243.6	240.4	242.2	25- 30	63.49	228.3
35.0	236.9	224.4	214.7	225.8	236.4	226.4	220.5	224.6	30- 35	69.02	297.3
40.0	223.3	206.7	193.1	207.9	221.9	209.0	199.8	207.2	35- 40	72.43	369.7
45.0	207.9	188.1	170.7	189.2	205.7	190.5	177.7	188.6	40- 45	73.63	443.4
50.0	191.2	169.3	148.5	170.2	188.3	171.7	155.3	169.9	45- 50	72.74	516.1
55.0	173.7	150.5	125.7	151.2	170.2	152.9	133.0	151.3	50- 55	69.92	586.0
60.0	154.8	131.1	103.0	131.5	150.8	133.4	110.3	132.0	55- 60	65.26	651.3
65.0	135.3	111.7	81.32	112.1	131.3	113.9	88.03	112.6	60- 65	58.98	710.3
70.0	115.6	92.28	59.83	92.60	111.1	94.46	66.90	93.28	65- 70	51.32	761.6
75.0	95.46	73.04	39.62	73.40	91.25	75.25	46.12	74.04	70- 75	42.69	804.3
80.0	76.11	55.08	21.99	55.62	72.83	57.30	27.27	55.94	75- 80	33.59	837.9
85.0	59.19	39.77	8.282	40.66	56.90	42.09	12.20	40.41	80- 85	24.90	862.8
90.0	46.98	29.63	1.785	30.95	46.91	31.98	3.284	29.88	85- 90	18.09	880.9
95.0	41.48	25.16	1.285	26.34	41.91	27.27	1.570	25.31	90- 95	14.44	895.3
100.0	36.98	21.63	1.428	22.45	37.05	23.31	1.570	21.81	95-100	12.44	907.8
105.0	32.63	18.27	1.570	18.74	32.41	19.59	1.642	18.45	100-105	10.55	918.3
110.0	28.48	15.10	1.713	15.24	28.06	16.06	1.785	15.24	105-110	8.749	927.1
115.0	24.56	11.95	1.927	11.85	23.70	12.63	1.927	12.17	110-115	7.010	934.1
120.0	20.56	9.068	2.142	8.782	19.56	9.603	2.142	9.425	115-120	5.409	939.5
125.0	16.63	6.604	2.356	6.390	15.42	7.211	2.356	7.175	120-125	4.015	943.5
130.0	12.49	4.891	2.499	4.605	10.99	5.355	2.499	5.497	125-130	2.908	946.4
135.0	8.425	3.463	2.713	3.141	6.926	3.820	2.713	3.962	130-135	1.992	948.4
140.0	4.926	2.891	2.856	2.891	3.712	3.034	2.856	3.034	135-140	1.318	949.7
145.0	3.141	3.034	2.998	2.998	3.213	3.106	3.070	3.141	140-145	1.026	950.8
150.0	3.213	3.141	3.213	3.141	3.284	3.248	3.213	3.284	145-150	0.924	951.7
155.0	3.213	3.248	3.284	3.213	3.427	3.355	3.355	3.391	150-155	0.824	952.5
160.0	3.355	3.355	3.427	3.355	3.498	3.427	3.498	3.498	155-160	0.705	953.2
165.0	3.427	3.463	3.498	3.427	3.641	3.570	3.570	3.570	160-165	0.571	953.8
170.0	3.498	3.534	3.570	3.498	3.712	3.605	3.641	3.641	165-170	0.420	954.2
175.0	3.641	3.605	3.641	3.605	3.712	3.641	3.641	3.677	170-175	0.258	954.5
180.0	3.712	3.641	3.641	3.677	3.712	3.641	3.641	3.677	175-180	0.087	954.6
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

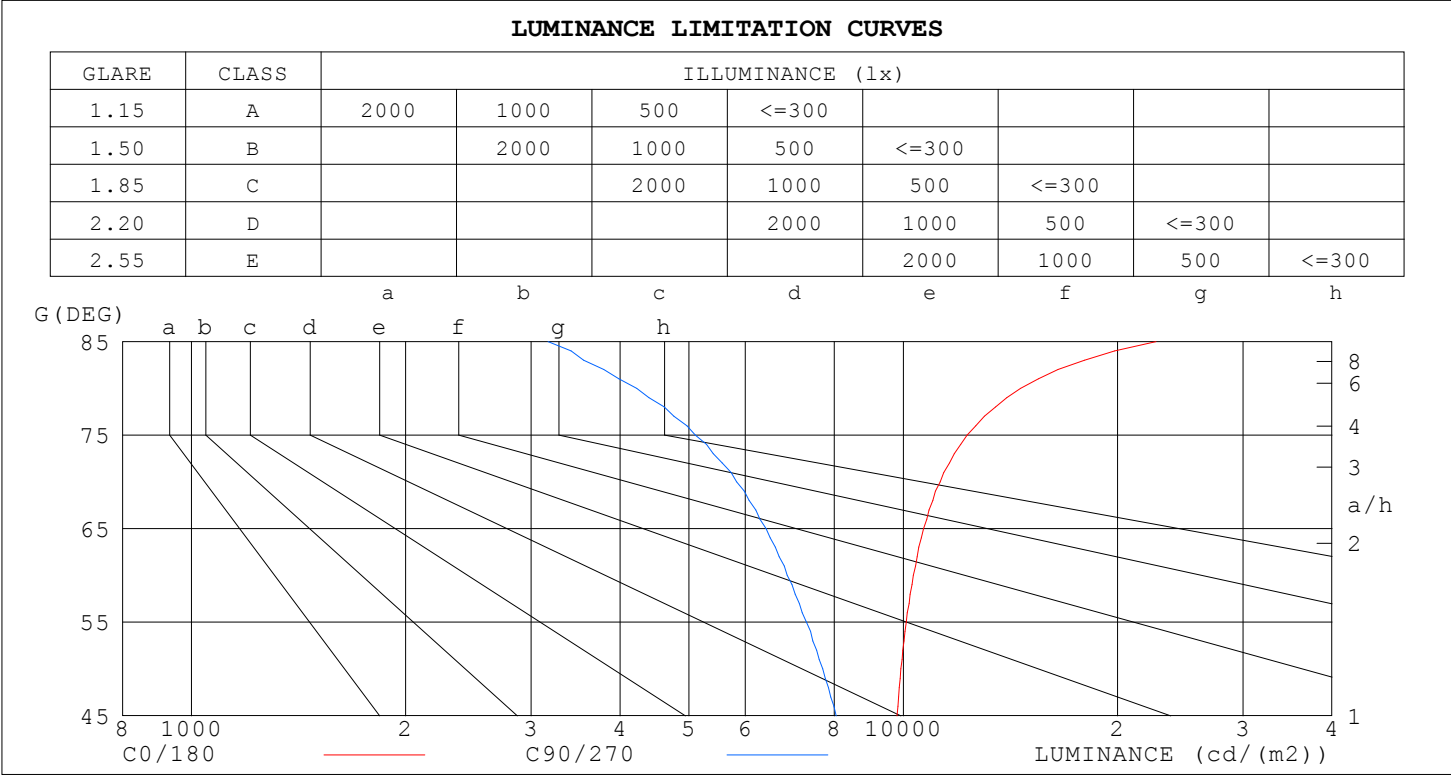
Test System:HopooColor HPG1800
Temperature:25.3DEG
Operators:W
Test Date:2023年06月29日

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 4000K 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	22639	3168
80	14611	4222
75	12295	5104
70	11266	5832
65	10672	6415
60	10325	6869
55	10096	7307
50	9916	7702
45	9802	8051

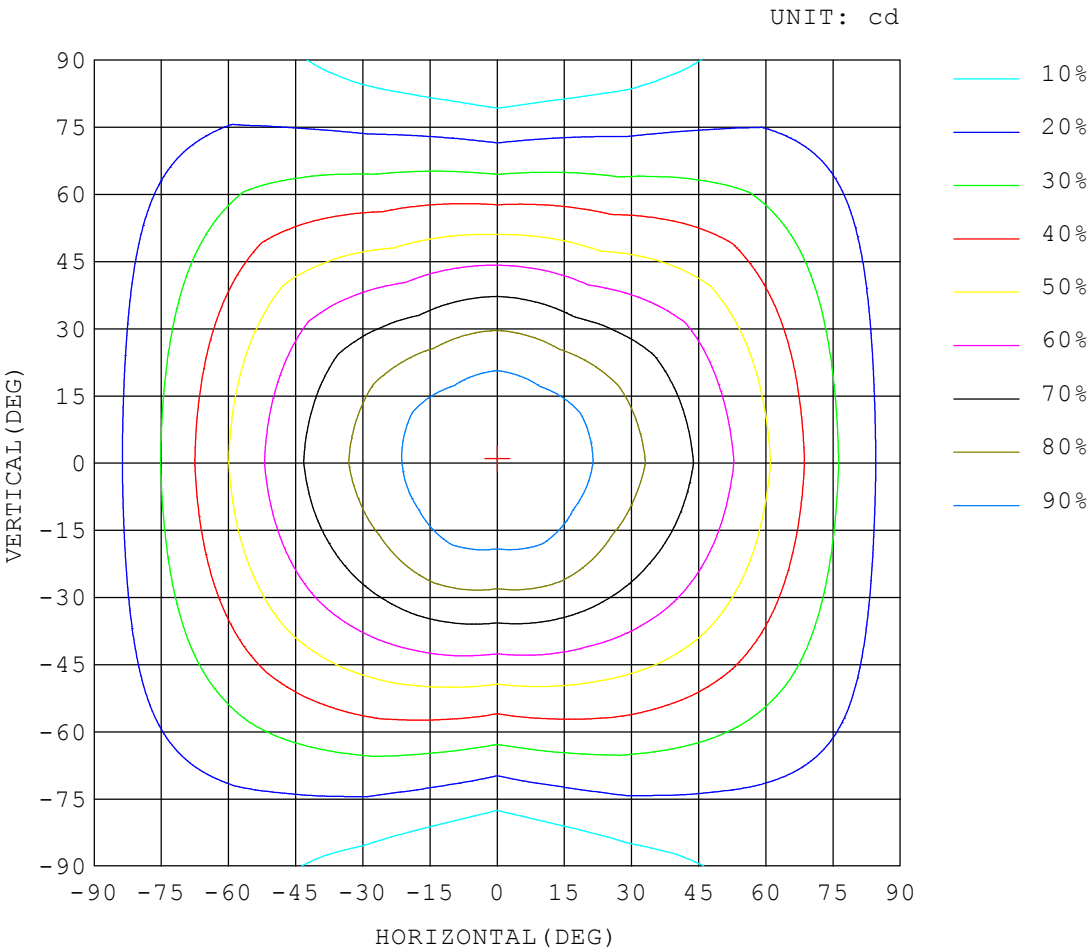
Test System:HopooColor HPG1800
Temperature:25.3DEG
Operators:W
Test Date:2023年06月29日

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 4000K with trim	TYPE:	WEIGHT: 0.5
SPECIFICATION:	DIMENSION: 0.245*0.125*0.07	SERIAL No.:



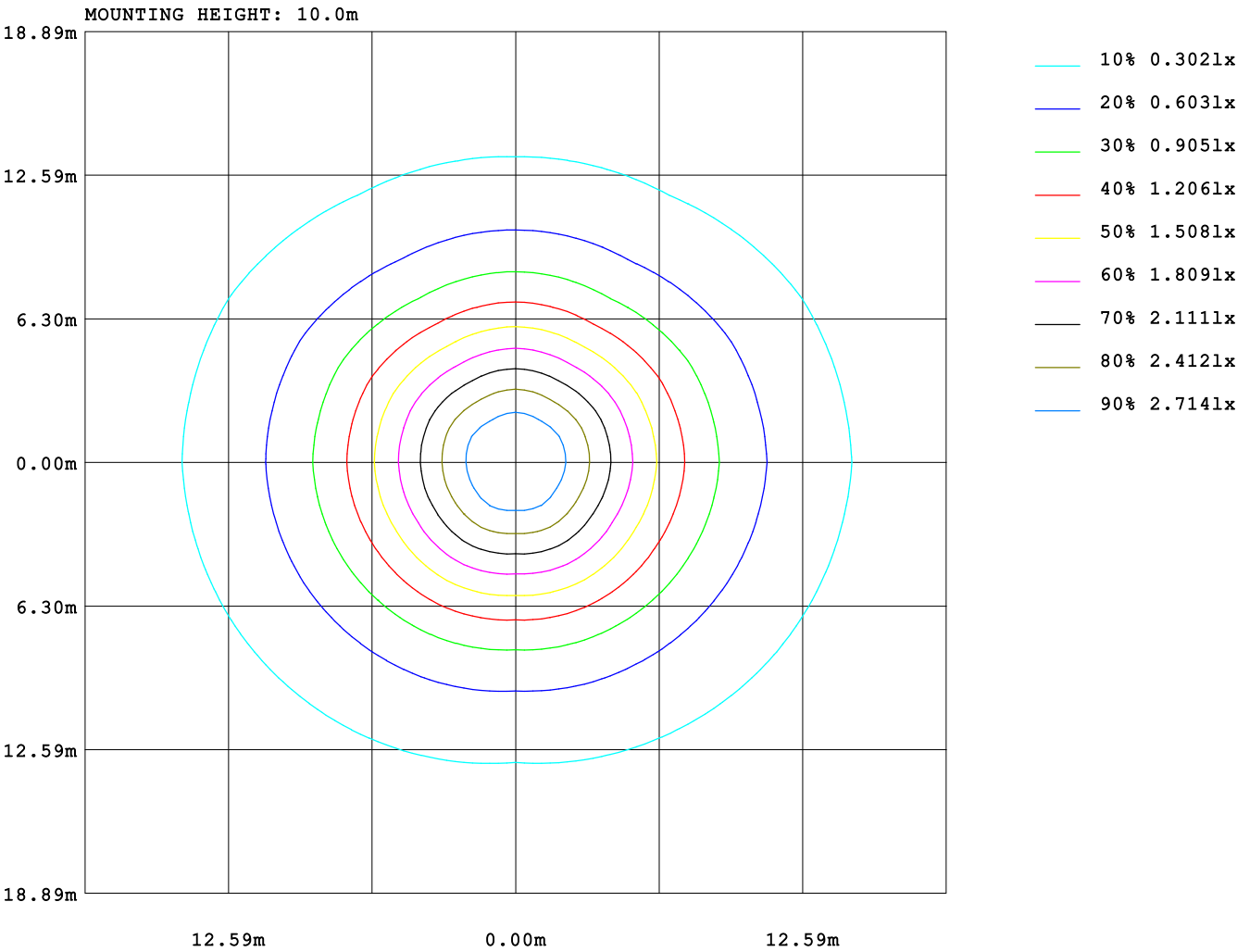
Test System:HopooColor HPG1800
Temperature:25.3DEG
Operators:W
Test Date:2023年06月29日

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 4000K 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 4000K with trim										TYPE:					WEIGHT: 0.5					
SPECIFICATION:										DIMENSION: 0.245*0.125*0.07					SERIAL No.:					

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	0.12	0.37	0.61	0.78	0.84	0.82	0.75	0.64	0.49	0.48	0.62	0.71	0.77	0.80	0.75	0.59	0.36	0.12	10.6	7.15		
90																						
80																						
70																						
60																						
50																						
40																						
30																						
-30																						
-40																						
-50																						
-60																						
-70																						
-80																						
-90																						
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																						
Φ t	2.61	10.1	21.5	35.7	50.7	65.0	77.1	86.6	91.2	91.0	86.1	76.5	64.6	50.7	35.9	21.8	10.4	2.68	955			
Φ a	2.61	10.1	21.5	35.7	50.7	64.5	76.3	85.5	90.2	90.0	85.1	75.6	64.0	50.6	35.9	21.8	10.4	2.68		899		

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

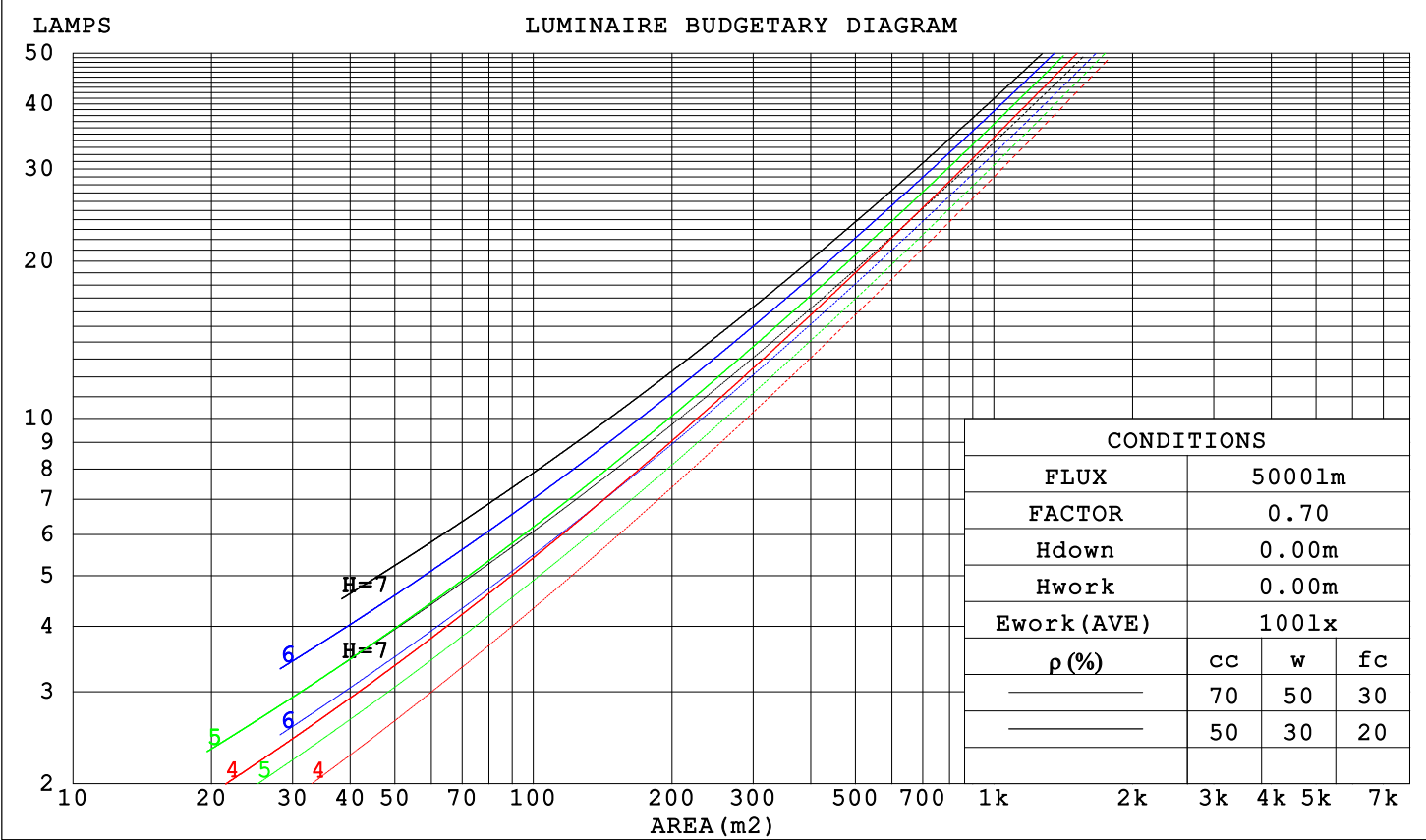
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.450 m
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:															
Address:															
NAME: 350mA 4000K 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	.83	.81	.81	.79	.77	.74
2.0	.87	.80	.73	.84	.78	.72	.79	.74	.69	.75	.70	.66	.71	.67	.64	.61
3.0	.76	.67	.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	.55	.50	.46	.43
5.0	.60	.51	.44	.58	.50	.43	.55	.48	.42	.53	.46	.41	.50	.44	.40	.37
6.0	.54	.45	.38	.53	.44	.38	.50	.42	.37	.47	.41	.36	.45	.39	.35	.33
7.0	.49	.40	.34	.48	.39	.33	.45	.38	.33	.43	.37	.32	.41	.35	.31	.29
8.0	.45	.36	.30	.43	.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	.28	.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 4000K 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	.190	.060	.315	.181	.058	.298	.172	.055	.283	.164	.053	
2.0	.308	.169	.052	.300	.165	.051	.284	.158	.049	.269	.151	.047	.256	.145	.046	
3.0	.280	.149	.045	.272	.146	.044	.258	.140	.042	.245	.134	.041	.232	.129	.040	
4.0	.255	.133	.039	.248	.130	.038	.235	.125	.037	.224	.120	.036	.213	.115	.035	
5.0	.234	.119	.035	.228	.117	.034	.216	.113	.033	.206	.109	.032	.196	.105	.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	.090	.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	.164	.078	.022	.160	.077	.022	.153	.075	.021	.146	.072	.021	.140	.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	.201	.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	.131	.090	.164	.113	.078	.113	.079	.055	.066	.047	.033	.021	.015	.011	
9.0	.184	.126	.086	.159	.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 4000K 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	20.5	21.9	20.9	22.3	22.6	19.1	20.6	19.5	20.9	21.3	
	22.6	23.9	23.0	24.3	24.7	20.5	21.8	20.9	22.2	22.6	
	23.6	24.9	24.0	25.3	25.7	21.0	22.3	21.4	22.6	23.1	
	24.6	25.8	25.1	26.2	26.7	21.3	22.5	21.8	22.9	23.4	
	25.2	26.3	25.6	26.8	27.2	21.4	22.6	21.8	23.0	23.4	
	25.8	26.9	26.2	27.3	27.8	21.4	22.5	21.9	23.0	23.4	
4H	2H	21.0	22.3	21.4	22.7	23.1	20.0	21.2	20.4	21.6	22.0
	3H	23.3	24.4	23.7	24.8	25.3	21.6	22.7	22.1	23.1	23.6
	4H	24.5	25.5	25.0	25.9	26.4	22.3	23.3	22.8	23.8	24.3
	6H	25.7	26.6	26.2	27.1	27.6	22.8	23.7	23.3	24.2	24.7
	8H	26.4	27.2	26.9	27.7	28.3	23.0	23.8	23.5	24.3	24.9
	12H	27.1	27.9	27.6	28.4	29.0	23.0	23.8	23.6	24.3	24.9
8H	4H	24.7	25.6	25.3	26.1	26.6	22.9	23.8	23.4	24.3	24.8
	6H	26.2	26.9	26.8	27.5	28.0	23.7	24.4	24.3	24.9	25.5
	8H	27.0	27.7	27.6	28.2	28.8	24.0	24.7	24.6	25.2	25.8
	12H	28.0	28.5	28.6	29.1	29.7	24.3	24.8	24.9	25.4	26.0
12H	4H	24.8	25.5	25.3	26.1	26.6	23.0	23.8	23.6	24.3	24.9
	6H	26.3	26.9	26.9	27.5	28.1	24.0	24.6	24.5	25.2	25.8
	8H	27.2	27.7	27.8	28.3	29.0	24.4	25.0	25.0	25.5	26.2
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 954.6 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.2)

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 4000K 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	63	51	44	62	51	43	60	50	43	36
1.00	71	60	52	70	59	52	67	60	51	43
1.25	78	67	59	77	66	59	73	64	58	49
1.50	83	73	65	81	71	64	78	69	63	54
2.00	90	81	73	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		

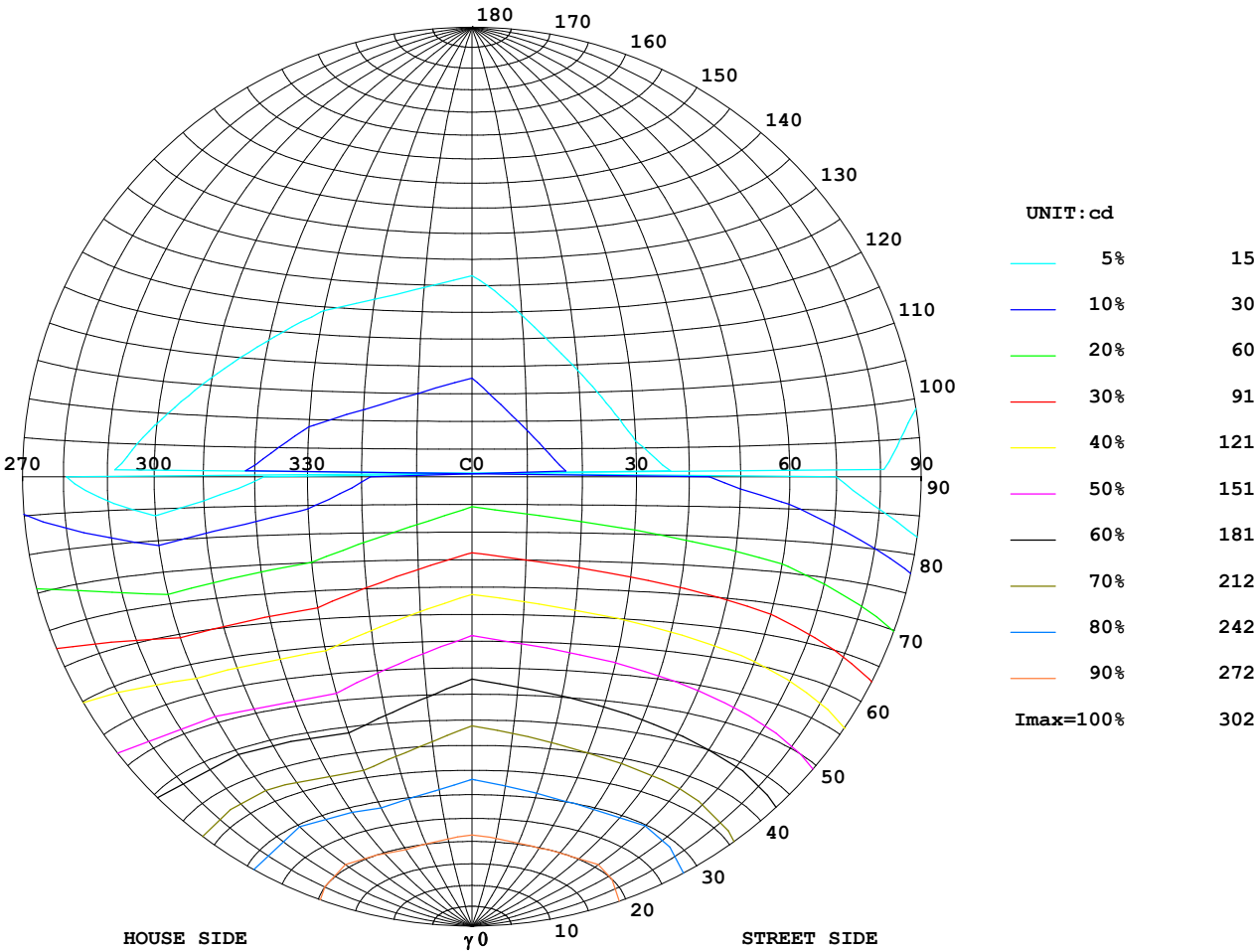
Test System: HopooColor HPG1800
 Temperature: 25.3DEG
 Operators: W
 Test Date: 2023年06月29日

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 4000K 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

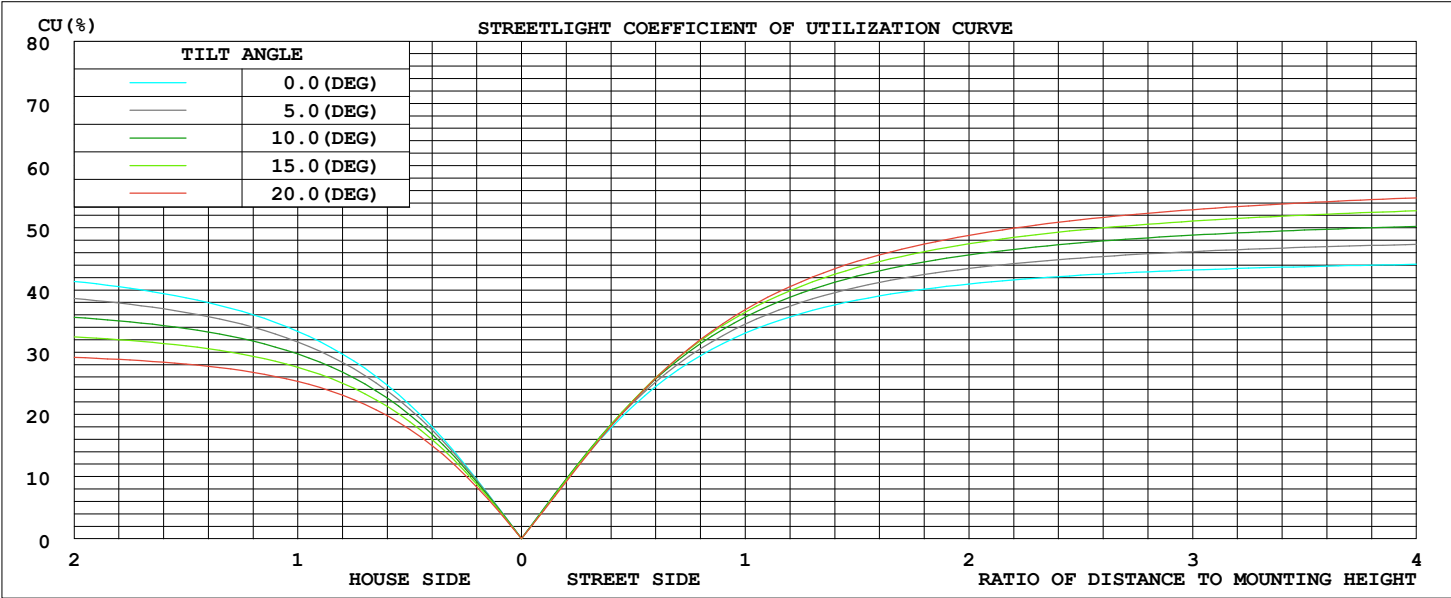
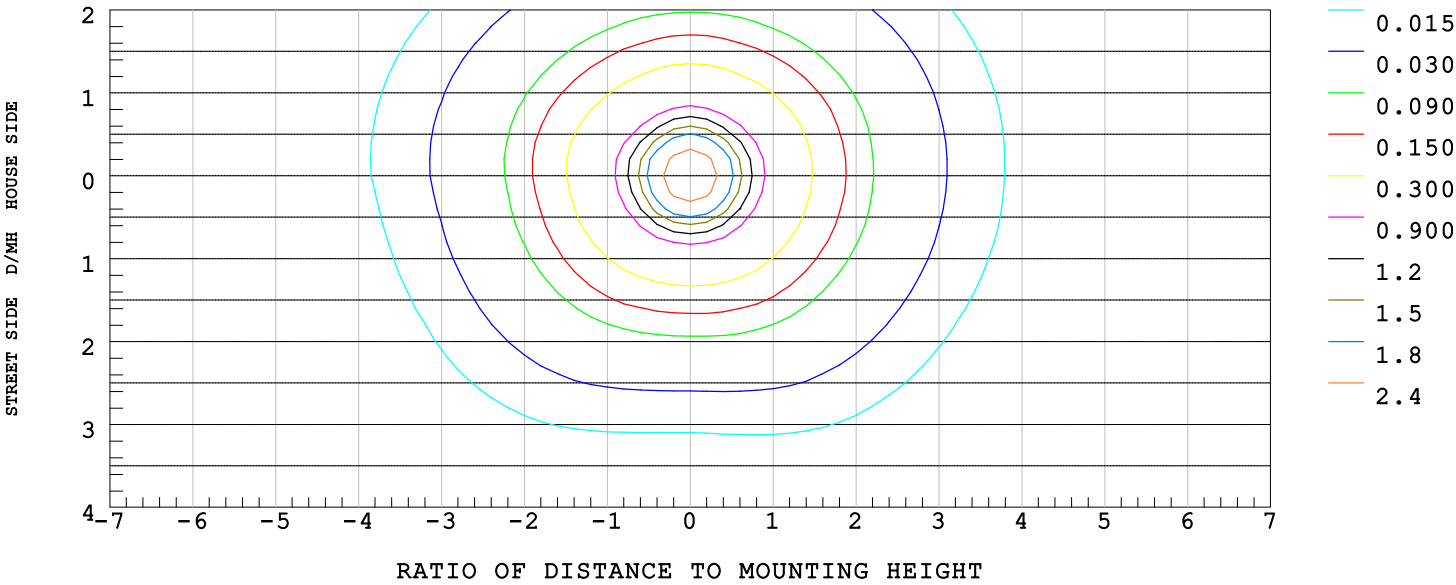
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.450 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 350mA 4000K with trim	TYPE:	WEIGHT: 0.5
SPECIFICATION:	DIMENSION: 0.245*0.125*0.07	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 3.02 lx



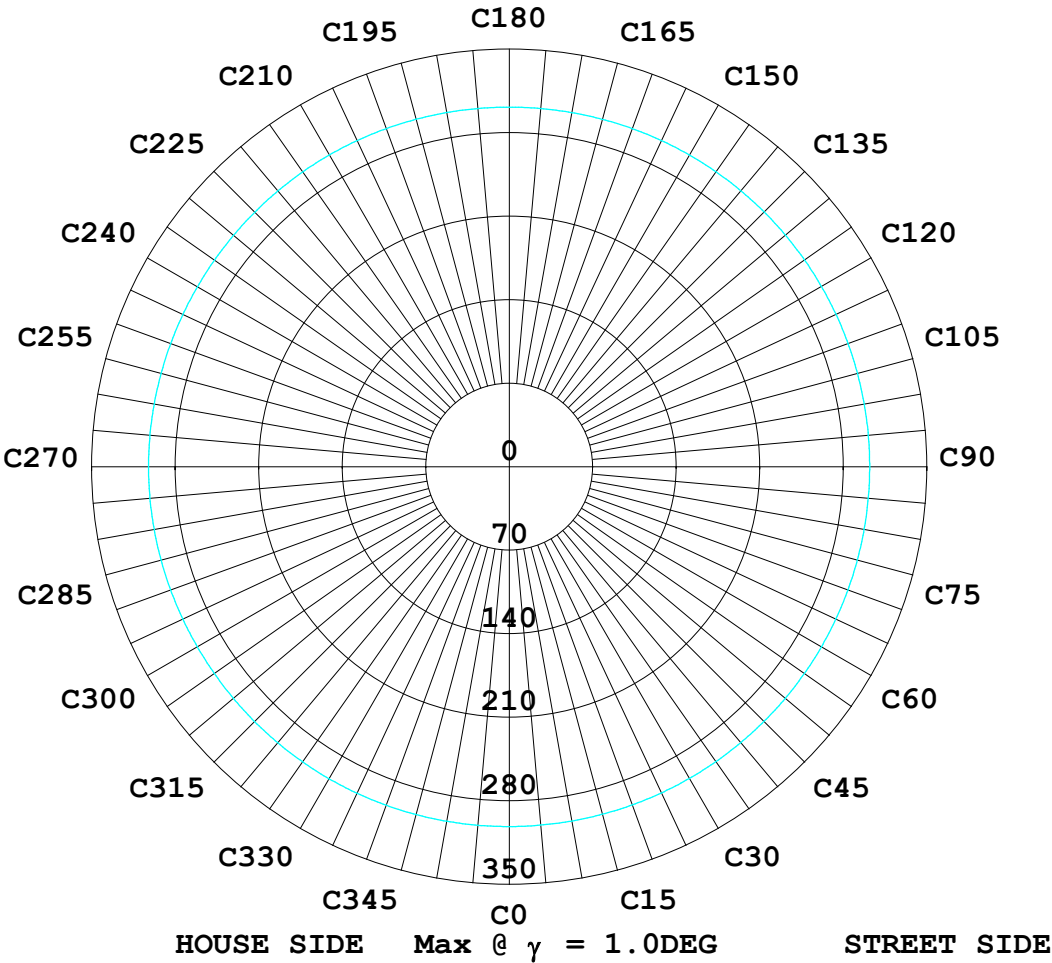
Test System:HopooColor HPG1800
Temperature:25.3DEG
Operators:W
Test Date:2023年06月29日

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 4000K 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 4000K 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	302	302	302	302	302	302	302	302	302	302	302	302
5.0	300	299	301	300	301	300	300	301	300	301	300	301
10.0	295	293	295	293	296	294	295	296	294	295	294	296
15.0	287	284	286	283	287	285	286	288	284	286	284	288
20.0	276	272	274	270	274	273	275	277	271	274	271	276
25.0	263	257	259	253	260	259	263	264	256	258	255	262
30.0	250	242	241	235	242	243	250	249	238	240	237	247
35.0	237	227	222	215	223	229	236	234	219	221	217	232
40.0	223	212	202	193	203	213	222	219	199	200	197	217
45.0	208	195	181	171	183	195	206	202	179	178	177	201
50.0	191	178	161	149	163	178	188	184	159	155	156	183
55.0	174	159	142	126	144	159	170	166	140	133	137	165
60.0	155	140	123	103	124	139	151	147	120	110	118	146
65.0	135	120	103	81.3	104	120	131	127	101	88.0	98.6	127
70.0	116	100	84.1	59.8	84.9	100	111	108	81.2	66.9	79.3	107
75.0	95.4	80.8	65.1	39.6	65.8	80.9	91.2	88.0	62.4	46.1	60.6	87.4
80.0	76.1	62.9	47.2	21.9	47.9	63.2	72.8	69.4	45.1	27.2	43.3	68.5
85.0	59.1	47.4	32.1	8.28	32.9	48.3	56.9	53.4	30.7	12.2	28.7	52.1
90.0	46.9	37.5	21.7	1.78	22.7	39.1	46.9	42.2	21.7	3.28	19.5	40.1
95.0	41.4	33.2	17.1	1.28	18.0	34.6	41.9	36.8	17.7	1.57	15.8	34.7
100.0	36.9	29.2	14.0	1.42	14.6	30.2	37.0	32.3	14.2	1.57	12.9	30.7
105.0	32.6	25.3	11.2	1.57	11.4	26.0	32.4	28.0	11.1	1.64	10.1	26.7
110.0	28.4	21.7	8.42	1.71	8.35	22.1	28.0	23.9	8.21	1.78	7.49	22.9
115.0	24.5	18.1	5.78	1.92	5.49	18.2	23.7	19.9	5.28	1.92	4.92	19.4
120.0	20.5	14.5	3.57	2.14	3.21	14.3	19.5	16.1	3.07	2.14	2.99	15.8
125.0	16.6	10.7	2.42	2.35	2.42	10.3	15.4	11.9	2.42	2.35	2.35	11.9
130.0	12.4	7.21	2.57	2.49	2.57	6.64	10.9	8.13	2.57	2.49	2.57	8.42
135.0	8.42	4.21	2.71	2.71	2.71	3.57	6.92	4.85	2.78	2.71	2.71	5.21
140.0	4.92	2.92	2.85	2.85	2.85	2.92	3.71	3.14	2.92	2.85	2.92	3.14
145.0	3.14	3.07	2.99	2.99	2.99	2.99	3.21	3.14	3.07	3.07	3.07	3.21
150.0	3.21	3.14	3.14	3.21	3.14	3.14	3.28	3.28	3.21	3.21	3.21	3.35
155.0	3.21	3.28	3.21	3.28	3.21	3.21	3.42	3.35	3.35	3.35	3.35	3.42
160.0	3.35	3.35	3.35	3.42	3.35	3.35	3.49	3.42	3.42	3.49	3.49	3.49
165.0	3.42	3.49	3.42	3.49	3.42	3.42	3.64	3.57	3.57	3.57	3.57	3.57
170.0	3.49	3.57	3.49	3.57	3.49	3.49	3.71	3.57	3.64	3.64	3.64	3.64
175.0	3.64	3.64	3.57	3.64	3.64	3.57	3.71	3.64	3.64	3.64	3.64	3.71
180.0	3.71	3.64	3.64	3.64	3.71	3.64	3.71	3.64	3.64	3.64	3.64	3.71

Test System:HopooColor HPG1800
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