

LUMINAIRE PHOTOMETRIC TEST REPORT

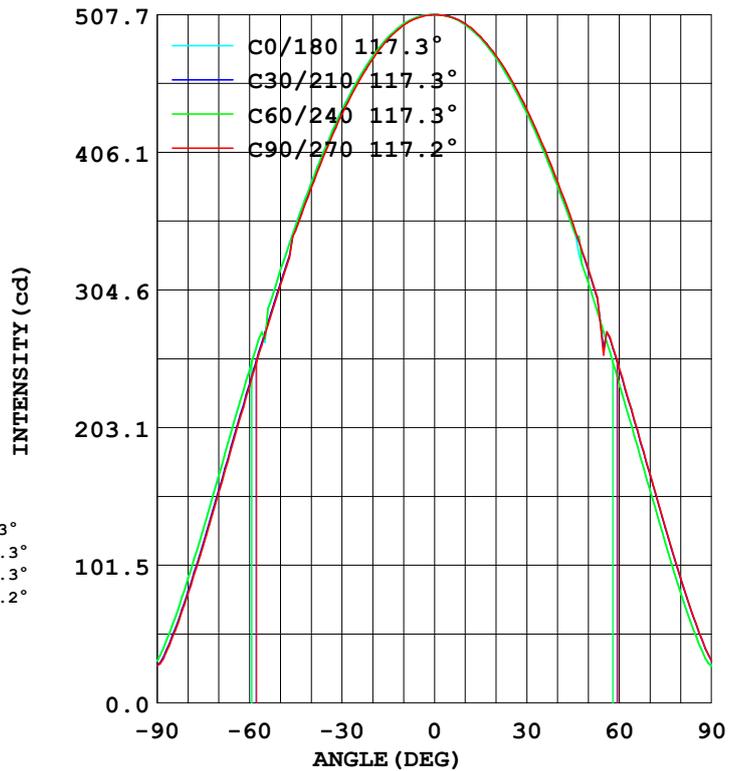
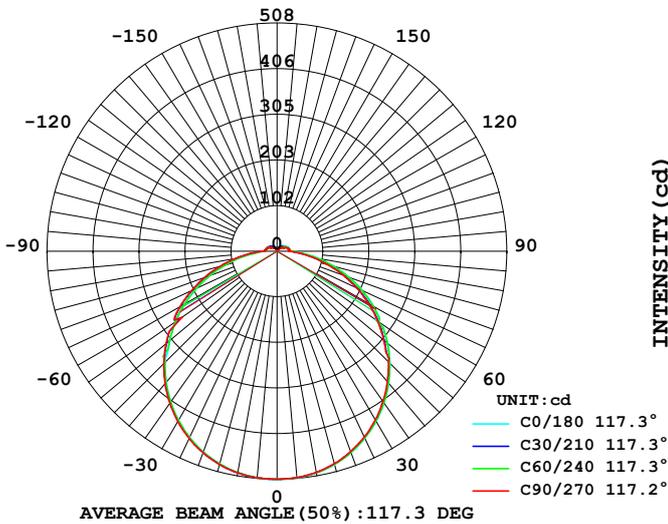
Report number :

MANUFACTURER :		
Address :		
NAME: 0028920232 12.5W 3000K 1500lm	TYPE :	WEIGHT :
SPECIFICATION :	DIMENSION: 0.22*0.052	SERIAL No. :

DATA OF LAMP		Imax (cd)	507.6	S/MH (C0/180)	1.28
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.27
NOMINAL POWER (W)	12	TOTAL FLUX (lm)	1500.0	Voltage (V)	229.9
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	120.3	Current (A)	0.056
NOMINAL FLUX (lm)	1677.8	η up (%)	6.9	Power (W)	12.5
LAMPS QUANTITY	1	η down (%)	93.1	Power Factor (PF)	0.958
TEST VOLTAGE (V)	230.0	Effective Flux (lm)	1543.3	EEl	0.000 (E)

LUMINOUS INTENSITY DISTRIBUTION

LUMINOUS INTENSITY DISTRIBUTION



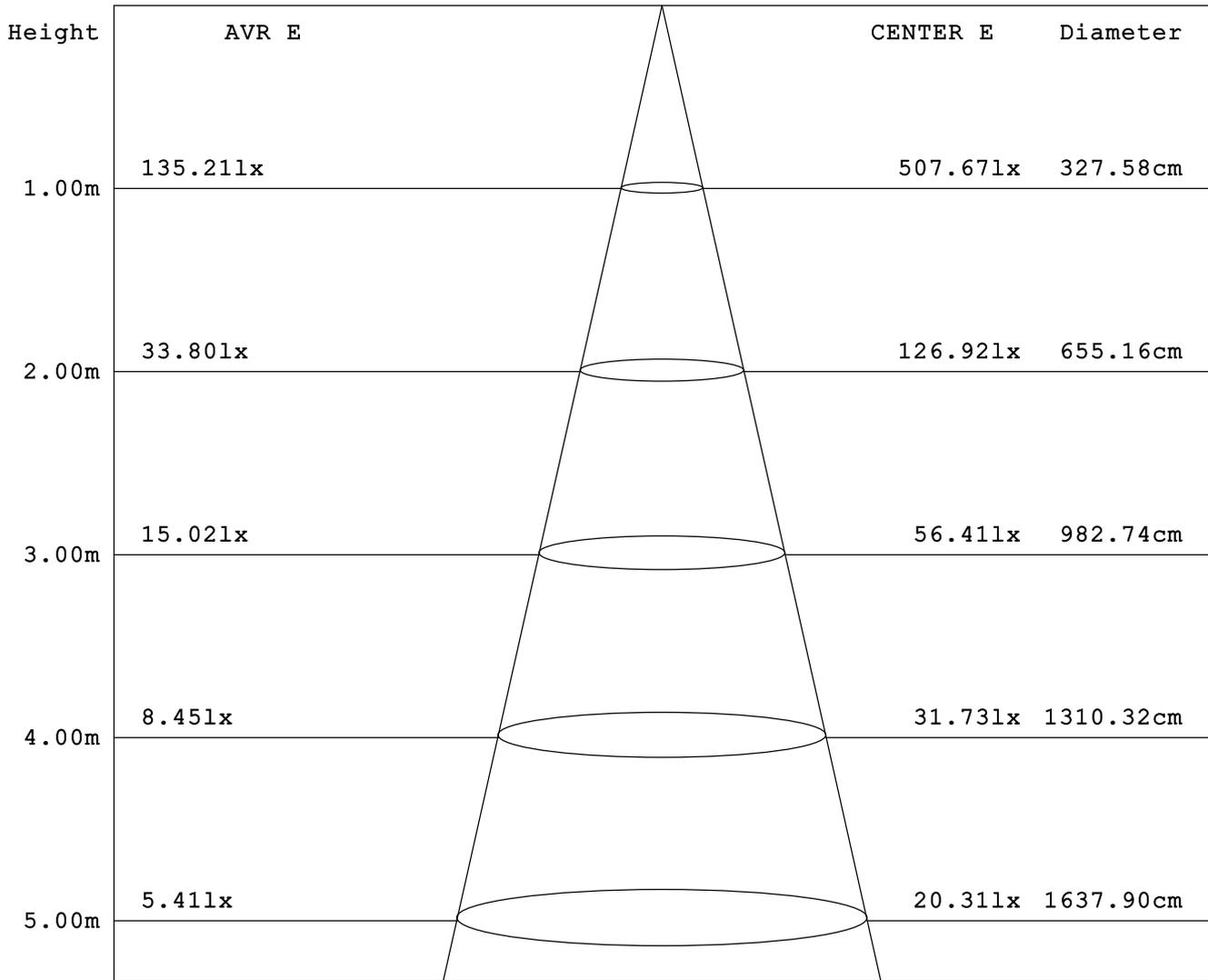
Test System: HopooColor HPG1800
 Temperature: 25.3 DEG
 Operators: W
 Test Date: 2024年08月14日

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: 0028920232 12.5W 3000K 1500lm	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 0.22*0.052	SERIAL No.:



Angle:117.2deg

Test System:HopooColor HPG1800
 Temperature:25.3DEG
 Operators:W
 Test Date:2024年08月14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: 0028920232 12.5W 3000K 1500lm	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 0.22*0.052	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	506.1	505.9	505.4	505.6	505.9	506.0	506.1	506.2	0- 5	12.11	12.11
10.0	500.8	500.4	499.7	499.7	500.2	500.6	500.9	501.0	5- 10	36.00	48.12
15.0	491.1	490.3	489.3	489.4	490.1	490.6	491.3	491.3	10- 15	58.78	106.9
20.0	477.0	476.0	474.6	474.6	475.5	476.4	477.4	477.4	15- 20	79.67	186.5
25.0	459.1	457.9	456.3	456.5	457.4	458.4	459.8	459.7	20- 25	97.99	284.5
30.0	437.2	435.7	433.8	433.9	435.0	436.3	438.0	437.8	25- 30	113.1	397.7
35.0	411.7	410.1	407.9	408.1	409.2	410.7	412.7	412.5	30- 35	124.6	522.3
40.0	383.8	381.9	379.4	379.7	381.0	382.7	384.9	384.6	35- 40	132.2	654.6
45.0	352.5	350.7	348.2	348.4	349.8	351.4	353.6	353.5	40- 45	135.7	790.4
50.0	319.4	313.8	307.3	311.3	309.1	314.2	320.0	316.3	45- 50	134.3	924.7
55.0	265.8	271.1	271.6	271.1	273.6	267.6	256.4	262.6	50- 55	127.9	1053
60.0	246.1	240.3	233.4	237.6	235.6	241.1	247.4	243.5	55- 60	119.3	1172
65.0	208.2	202.1	194.8	199.3	196.2	202.0	208.5	204.4	60- 65	107.6	1280
70.0	168.2	162.2	155.1	159.6	157.4	163.1	169.7	165.5	65- 70	92.20	1372
75.0	128.8	122.9	115.9	120.4	118.3	123.5	129.8	126.0	70- 75	74.65	1447
80.0	92.18	86.61	80.25	84.39	81.11	86.07	92.03	88.46	75- 80	55.96	1502
85.0	58.26	53.73	48.41	51.65	49.33	53.48	58.55	55.72	80- 85	37.77	1540
90.0	30.98	29.23	27.48	28.77	27.56	28.70	30.91	29.70	85- 90	21.92	1562
95.0	27.70	27.45	26.77	27.27	26.70	26.52	26.63	26.56	90- 95	15.12	1577
100.0	26.56	26.45	25.84	26.24	25.77	25.52	25.49	25.56	95-100	14.36	1592
105.0	25.49	25.38	24.77	25.13	24.70	24.45	24.41	24.49	100-105	13.59	1605
110.0	24.34	23.99	23.63	23.70	23.49	23.02	23.34	23.20	105-110	12.67	1618
115.0	23.13	22.17	15.77	21.84	22.27	21.34	17.42	21.49	110-115	11.36	1629
120.0	21.77	20.20	16.85	19.92	20.92	19.42	16.42	19.52	115-120	9.827	1639
125.0	20.42	18.06	14.63	17.81	19.35	17.24	14.85	17.45	120-125	8.579	1648
130.0	18.77	15.88	12.20	15.67	17.85	15.24	13.13	15.42	125-130	7.207	1655
135.0	17.13	13.88	9.710	13.70	16.13	13.38	10.42	13.53	130-135	5.865	1661
140.0	15.42	12.28	8.496	12.10	14.35	11.85	8.996	11.99	135-140	4.722	1666
145.0	13.63	10.74	7.568	10.60	12.63	10.46	8.068	10.60	140-145	3.761	1669
150.0	11.78	9.389	6.069	9.175	10.85	9.139	7.068	9.282	145-150	2.912	1672
155.0	10.06	7.925	5.069	7.711	9.139	7.747	5.355	7.925	150-155	2.123	1674
160.0	8.354	6.676	4.498	6.497	7.497	6.569	4.926	6.783	155-160	1.496	1676
165.0	6.711	5.569	4.212	5.355	5.997	5.497	4.569	5.676	160-165	0.992	1677
170.0	5.355	4.569	3.855	4.426	4.712	4.641	4.141	4.748	165-170	0.597	1677
175.0	4.284	3.855	3.784	3.855	3.927	3.962	3.927	4.069	170-175	0.304	1678
180.0	3.927	3.855	3.855	3.927	3.927	3.855	3.855	3.962	175-180	0.094	1678
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HopooColor HPG1800
 Temperature:25.3DEG
 Operators:W
 Test Date:2024年08月14日

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

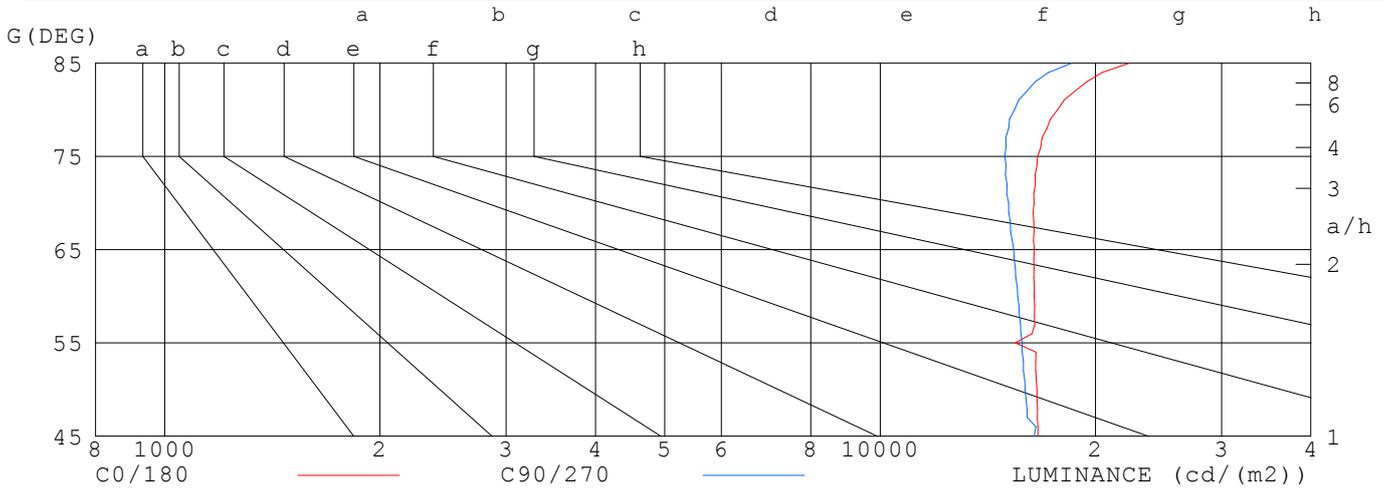
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		
Address:		
NAME: 0028920232 12.5W 3000K 1500lm	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 0.22*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	22284	18515
80	17695	15406
75	16599	14934
70	16402	15122
65	16422	15369
60	16408	15561
55	15449	15785
50	16566	15937
45	16618	16416

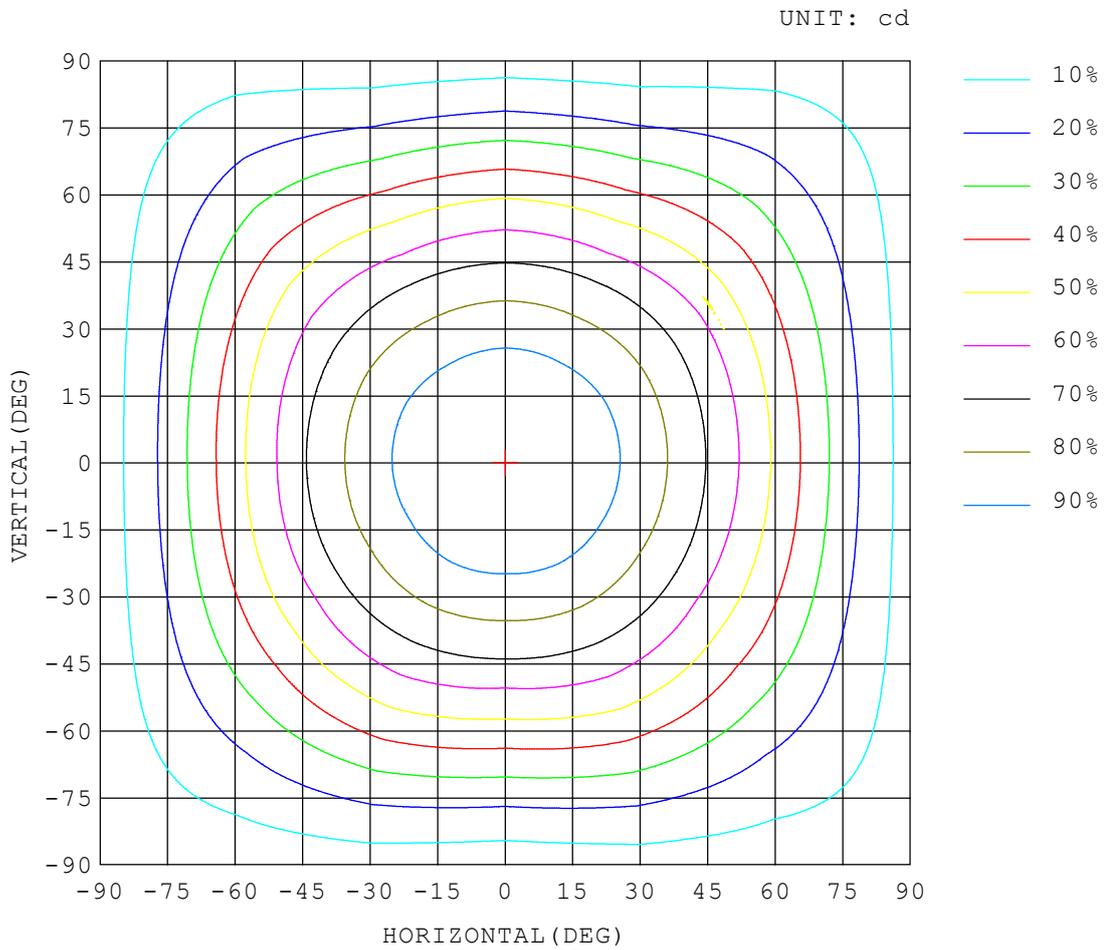
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 Temperature: 25.3 DEG
 Operators: W
 Test Date: 2024年08月14日

Test Set: 5.0 deg/s C-Gamma (TYPE C)
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 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 0028920232 12.5W 3000K 1500lm	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 0.22*0.052	SERIAL No.:



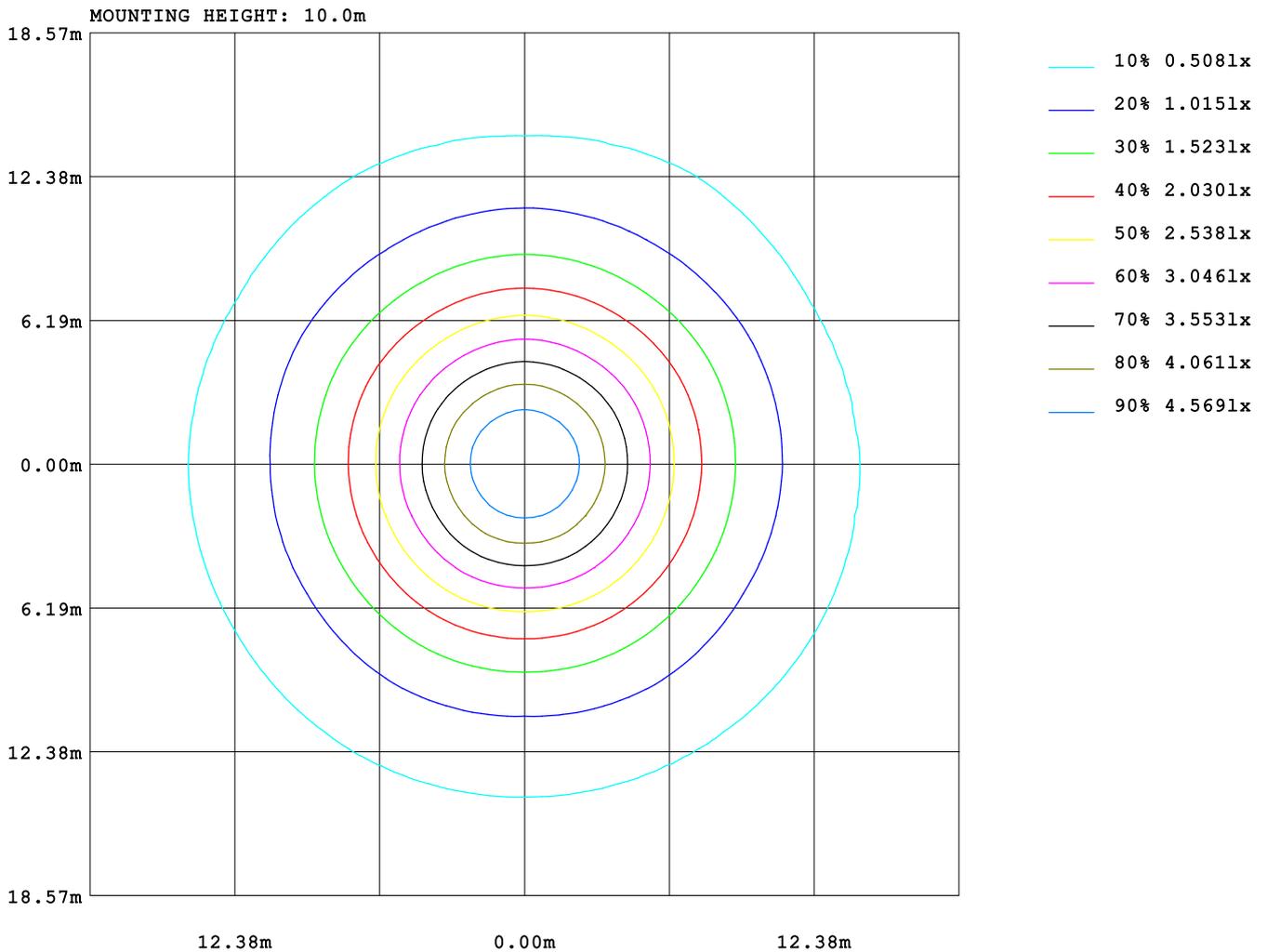
Test System: HopooColor HPG1800
 Temperature: 25.3DEG
 Operators: W
 Test Date: 2024年08月14日

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

Report number:

MANUFACTURER:		
Address:		
NAME: 0028920232 12.5W 3000K 1500lm	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 0.22*0.052	SERIAL No.:



Test System: HopooColor HPG1800
 Temperature: 25.3DEG
 Operators: W
 Test Date: 2024年08月14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: 0028920232 12.5W 3000K 1500lm	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 0.22*0.052	SERIAL No.:

		AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a	
VERTICAL (DEG)	90	0.08	0.27	0.52	0.77	0.98	1.15	1.34	1.58	1.75	1.75	1.60	1.38	1.19	1.02	0.82	0.56	0.30	0.09	17.1	9.25		
	80	0.09	0.38	0.83	1.39	1.95	2.48	3.01	3.52	3.86	3.87	3.55	3.05	2.53	2.00	1.44	0.89	0.42	0.11	35.4	34.8		
	70	0.10	0.49	1.18	2.11	3.08	4.04	4.91	5.72	6.22	6.23	5.75	4.96	4.09	3.14	2.16	1.24	0.54	0.12	56.1	55.9		
	60	0.12	0.61	1.53	2.82	4.21	5.58	6.79	7.80	8.39	8.40	7.83	6.84	5.63	4.27	2.88	1.60	0.67	0.14	76.1	76.0		
	50	0.13	0.72	1.86	3.46	5.25	6.94	8.57	9.88	10.6	10.6	9.91	8.60	6.95	5.29	3.53	1.94	0.79	0.15	95.2	95.1		
	40	0.14	0.82	2.14	3.99	6.04	8.26	10.1	11.5	12.4	12.4	11.6	10.2	8.32	6.04	4.08	2.23	0.89	0.16	112	112		
	30	0.15	0.90	2.35	4.37	6.77	9.23	11.3	12.9	13.8	13.8	12.9	11.3	9.29	6.84	4.45	2.45	0.97	0.17	124	124		
		0.16	0.94	2.49	4.64	7.24	9.86	12.1	13.8	14.7	14.7	13.8	12.2	9.92	7.34	4.73	2.61	1.02	0.18	133	133		
		0.16	0.97	2.55	4.78	7.46	10.1	12.5	14.3	15.2	15.2	14.3	12.5	10.2	7.56	4.90	2.69	1.04	0.18	137	137		
		0.16	0.96	2.54	4.76	7.43	10.1	12.5	14.2	15.2	15.2	14.3	12.5	10.1	7.54	4.88	2.67	1.04	0.18	137	137		
		0.15	0.93	2.45	4.58	7.15	9.77	12.0	13.8	14.7	14.7	13.8	12.1	9.83	7.25	4.70	2.57	1.00	0.18	132	132		
	-30	0.15	0.87	2.28	4.27	6.60	9.10	11.2	12.9	13.7	13.7	12.9	11.3	9.16	6.69	4.37	2.38	0.94	0.17	123	123		
	-40	0.14	0.79	2.04	3.81	5.88	8.11	10.1	11.5	12.3	12.3	11.6	10.1	8.17	5.95	3.90	2.13	0.85	0.16	110	110		
	-50	0.13	0.69	1.75	3.24	5.04	6.91	8.63	9.84	10.4	10.4	9.88	8.68	6.96	5.10	3.31	1.82	0.75	0.15	93.8	93.7		
	-60	0.11	0.57	1.41	2.59	4.05	5.58	6.92	7.80	8.22	8.23	7.83	6.96	5.64	4.11	2.65	1.48	0.63	0.13	74.9	74.8		
	-70	0.10	0.45	1.06	1.91	2.97	4.09	5.06	5.66	5.91	5.92	5.69	5.12	4.15	3.03	1.96	1.11	0.50	0.12	54.8	54.5		
-80	0.09	0.34	0.72	1.24	1.89	2.58	3.14	3.45	3.56	3.57	3.48	3.19	2.63	1.94	1.28	0.77	0.38	0.10	34.4	33.3			
-90	0.08	0.24	0.43	0.67	0.95	1.24	1.45	1.53	1.54	1.54	1.55	1.48	1.28	0.99	0.70	0.47	0.27	0.09	16.5	8.31			
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90		
Φ t		2.22	11.9	30.1	55.4	85.0	115	142	162	173	173	163	143	116	86.1	56.8	31.6	13.0	2.57	1678			
Φ a		1.12	10.7	29.0	54.3	83.9	114	141	161	172	172	162	142	115	85.1	55.8	30.6	12.0	1.65		1543		

Test System:HopooColor HPG1800
 Temperature:25.3DEG
 Operators:W
 Test Date:2024年08月14日

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

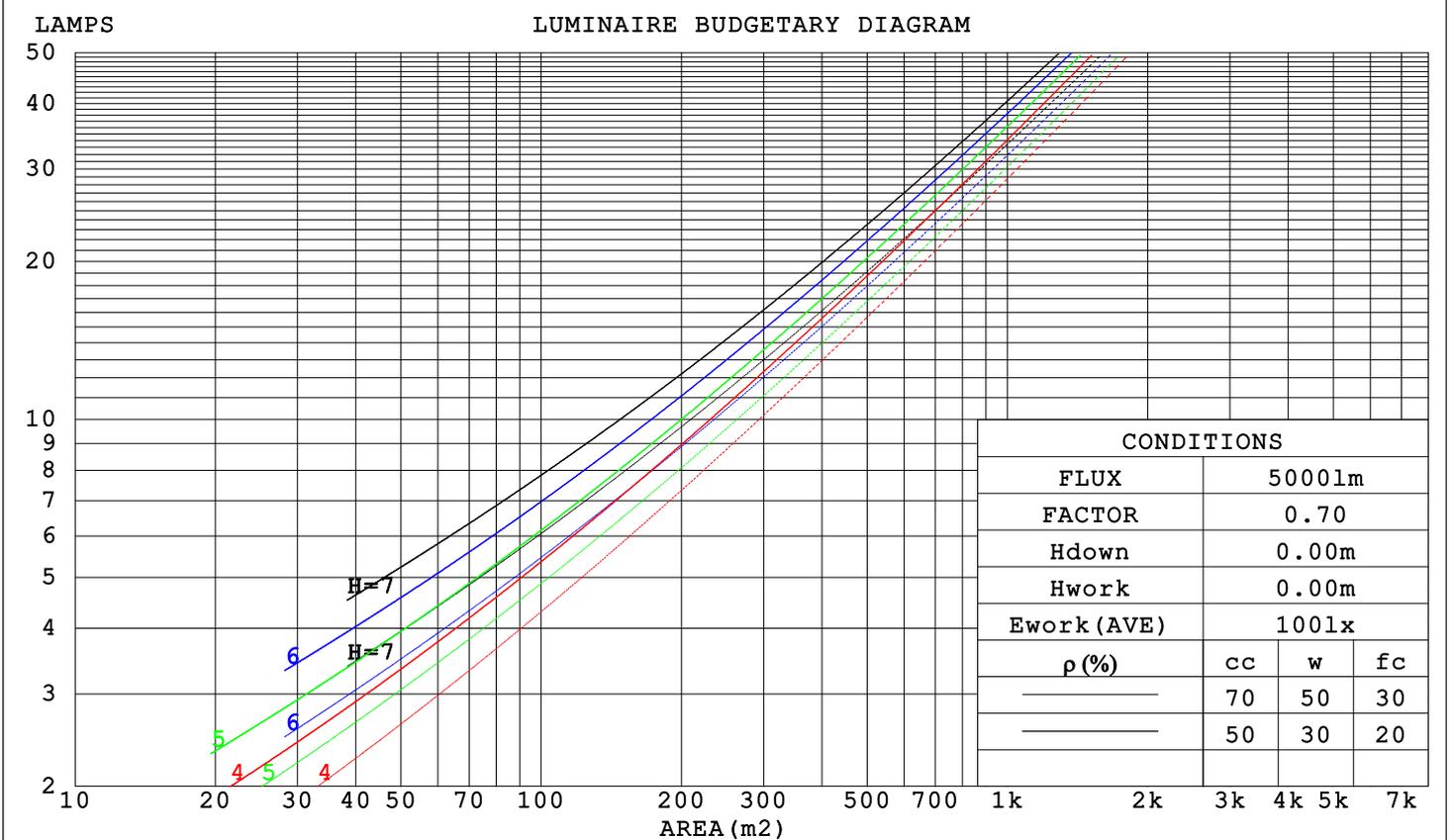


CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:															
Address:															
NAME: 0028920232 12.5W 3000K 1500lm								TYPE:				WEIGHT:			
SPECIFICATION:								DIMENSION: 0.22*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	1.17	1.17	1.17	1.14	1.14	1.14	1.07	1.07	1.07	1.01	1.01	1.01	.96	.96	.96	.93
1.0	1.01	.96	.92	.98	.94	.90	.93	.89	.86	.87	.85	.82	.83	.81	.78	.76
2.0	.87	.80	.74	.85	.78	.73	.80	.75	.70	.76	.71	.67	.72	.68	.65	.62
3.0	.76	.68	.61	.74	.67	.60	.70	.64	.58	.67	.61	.56	.63	.59	.55	.52
4.0	.68	.59	.52	.66	.57	.51	.62	.55	.49	.59	.53	.48	.56	.51	.47	.44
5.0	.60	.51	.44	.59	.50	.44	.56	.48	.43	.53	.47	.41	.50	.45	.40	.38
6.0	.54	.45	.38	.53	.44	.38	.50	.43	.37	.48	.41	.36	.46	.40	.35	.33
7.0	.49	.40	.34	.48	.39	.33	.46	.38	.33	.44	.37	.32	.42	.36	.31	.29
8.0	.45	.36	.30	.44	.35	.30	.42	.34	.29	.40	.33	.29	.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
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 Operators:W
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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: 0028920232 12.5W 3000K 1500lm										TYPE:			WEIGHT:			
SPECIFICATION:										DIMENSION: 0.22*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	.333	.189	.060	.324	.185	.059	.306	.176	.056	.290	.167	.054	.276	.160	.052		
2.0	.304	.167	.051	.296	.163	.050	.281	.156	.048	.266	.149	.047	.253	.143	.045		
3.0	.278	.148	.044	.270	.145	.044	.257	.139	.042	.244	.134	.041	.232	.128	.040		
4.0	.254	.132	.039	.248	.130	.038	.235	.125	.037	.224	.120	.036	.213	.116	.035		
5.0	.234	.119	.034	.228	.117	.034	.217	.113	.033	.206	.109	.032	.197	.105	.032		
6.0	.216	.108	.031	.211	.106	.031	.201	.103	.030	.191	.099	.029	.182	.096	.029		
7.0	.200	.099	.028	.196	.097	.028	.186	.094	.027	.178	.091	.027	.170	.088	.026		
8.0	.187	.091	.026	.182	.090	.025	.174	.087	.025	.166	.084	.024	.159	.082	.024		
9.0	.175	.084	.024	.171	.083	.023	.163	.081	.023	.156	.078	.022	.149	.076	.022		
10.0	.164	.079	.022	.160	.077	.022	.153	.075	.021	.147	.073	.021	.141	.071	.020		

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	.243	.243	.243	.208	.208	.208	.142	.142	.142	.081	.081	.081	.026	.026	.026		
1.0	.235	.209	.185	.201	.179	.160	.137	.123	.110	.079	.071	.064	.025	.023	.021		
2.0	.227	.185	.150	.195	.159	.129	.133	.110	.090	.077	.064	.053	.025	.021	.017		
3.0	.220	.168	.127	.188	.145	.110	.129	.101	.077	.075	.059	.045	.024	.019	.015		
4.0	.212	.155	.111	.182	.134	.097	.125	.093	.068	.072	.055	.040	.023	.018	.013		
5.0	.204	.145	.101	.176	.125	.088	.121	.087	.062	.070	.051	.037	.023	.017	.012		
6.0	.197	.137	.093	.169	.118	.081	.117	.083	.057	.068	.049	.034	.022	.016	.011		
7.0	.190	.130	.087	.164	.112	.076	.113	.079	.054	.066	.046	.032	.021	.015	.011		
8.0	.184	.124	.083	.158	.108	.072	.109	.076	.051	.064	.045	.031	.021	.015	.010		
9.0	.178	.119	.080	.153	.103	.069	.106	.073	.049	.062	.043	.029	.020	.014	.010		
10.0	.172	.115	.077	.148	.100	.067	.103	.070	.048	.060	.042	.028	.019	.014	.009		

Test System: HopooColor HPG1800
 Temperature: 25.3 DEG
 Operators: W
 Test Date: 2024年08月14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: 0028920232 12.5W 3000K 1500lm					TYPE:			WEIGHT:		
SPECIFICATION:					DIMENSION: 0.22*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	22.1	23.5	22.5	23.9	24.2	22.1	23.6	22.5	23.9	24.2
3H	23.9	25.2	24.3	25.6	25.9	23.8	25.1	24.2	25.5	25.9
4H	24.7	25.9	25.1	26.3	26.7	24.5	25.8	24.9	26.2	26.6
6H	25.4	26.6	25.8	27.0	27.4	25.1	26.4	25.6	26.7	27.2
8H	25.7	26.9	26.1	27.3	27.7	25.4	26.6	25.9	27.0	27.4
12H	26.0	27.1	26.5	27.5	28.0	25.7	26.8	26.1	27.2	27.6
4H 2H	22.7	24.0	23.1	24.4	24.8	22.8	24.0	23.2	24.4	24.8
3H	24.7	25.8	25.1	26.2	26.7	24.7	25.8	25.1	26.2	26.7
4H	25.6	26.6	26.1	27.1	27.5	25.6	26.6	26.0	27.0	27.5
6H	26.4	27.4	26.9	27.8	28.3	26.3	27.3	26.9	27.7	28.2
8H	26.8	27.7	27.4	28.2	28.7	26.7	27.5	27.2	28.0	28.6
12H	27.2	28.0	27.8	28.5	29.1	27.0	27.8	27.5	28.3	28.8
8H 4H	25.9	26.8	26.4	27.3	27.8	25.9	26.8	26.4	27.2	27.8
6H	27.0	27.7	27.5	28.2	28.8	26.9	27.6	27.5	28.2	28.7
8H	27.5	28.1	28.0	28.6	29.2	27.4	28.0	28.0	28.6	29.2
12H	28.0	28.5	28.6	29.1	29.7	27.9	28.4	28.5	29.0	29.6
12H 4H	26.0	26.7	26.5	27.3	27.8	25.9	26.7	26.5	27.2	27.8
6H	27.1	27.7	27.6	28.2	28.8	27.0	27.7	27.6	28.2	28.8
8H	27.6	28.2	28.2	28.8	29.4	27.6	28.1	28.2	28.7	29.3

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

CIE Pub.117 Corrected 1678 lm Total Lamp Luminous Flux. (8log(F/F0) = 1.8)

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14日 Remarks:

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:		
Address:		
NAME: 0028920232 12.5W 3000K 1500lm	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 0.22*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) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	53	42	35	52	41	35	28
0.80	64	52	44	63	51	44	60	50	43	36
1.00	72	60	53	71	60	52	68	61	51	44
1.25	79	68	60	77	67	60	74	65	59	50
1.50	84	73	66	82	72	65	78	70	64	55
2.00	91	82	75	89	80	74	84	77	72	62
2.50	95	87	80	93	85	79	88	81	76	66
3.00	99	91	85	96	89	83	91	85	81	70
4.00	103	97	91	100	94	89	95	90	86	75
5.00	106	100	95	103	98	93	97	93	89	78
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

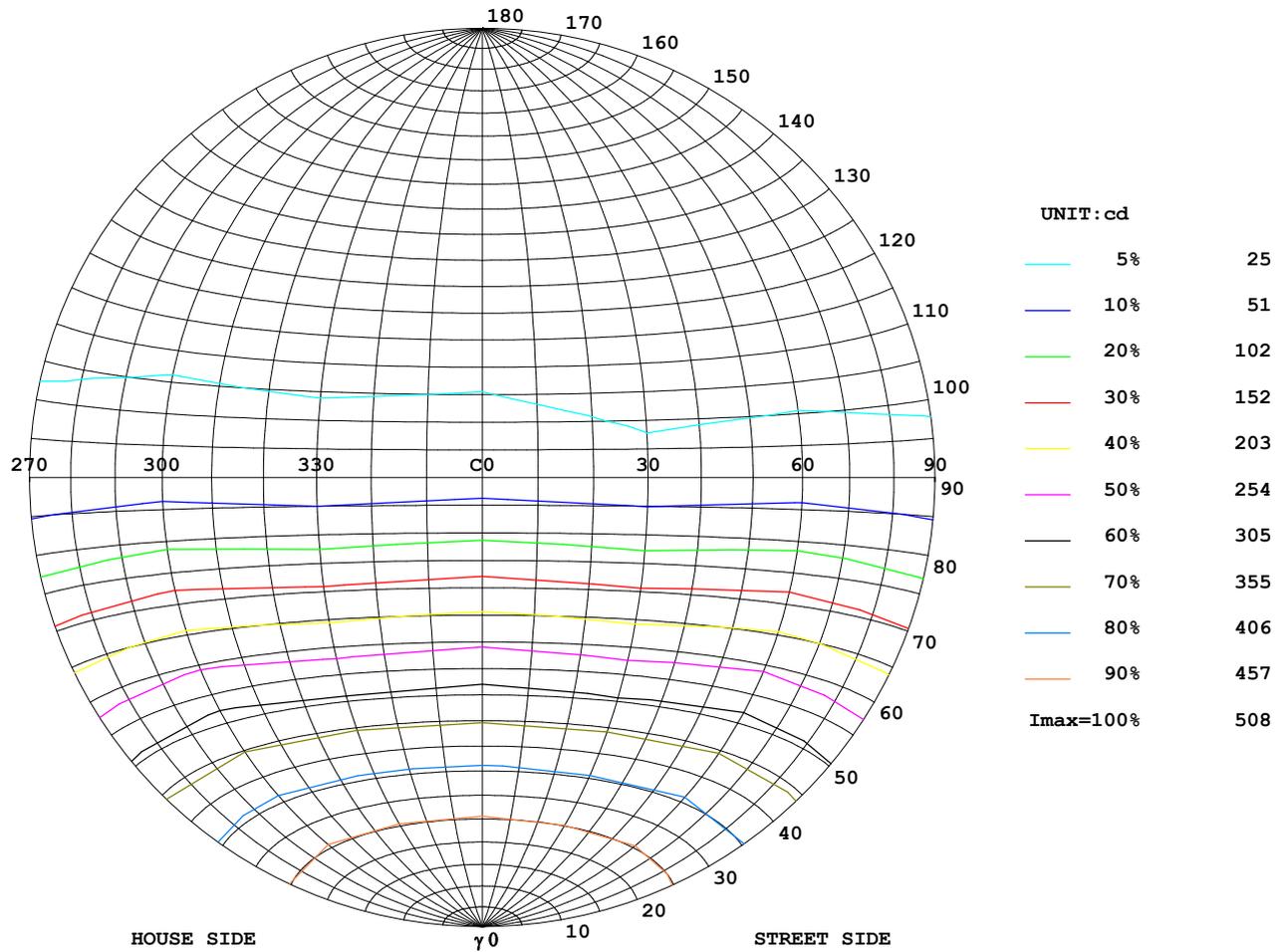
Test System: HopooColor HPG1800
 Temperature: 25.3DEG
 Operators: W
 Test Date: 2024年08月14日

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 : 0028920232 12.5W 3000K 1500lm	TYPE :	WEIGHT :
SPECIFICATION :	DIMENSION : 0.22*0.052	SERIAL No. :



Test System: HopooColor HPG1800
 Temperature: 25.3DEG
 Operators: W
 Test Date: 2024年08月14日

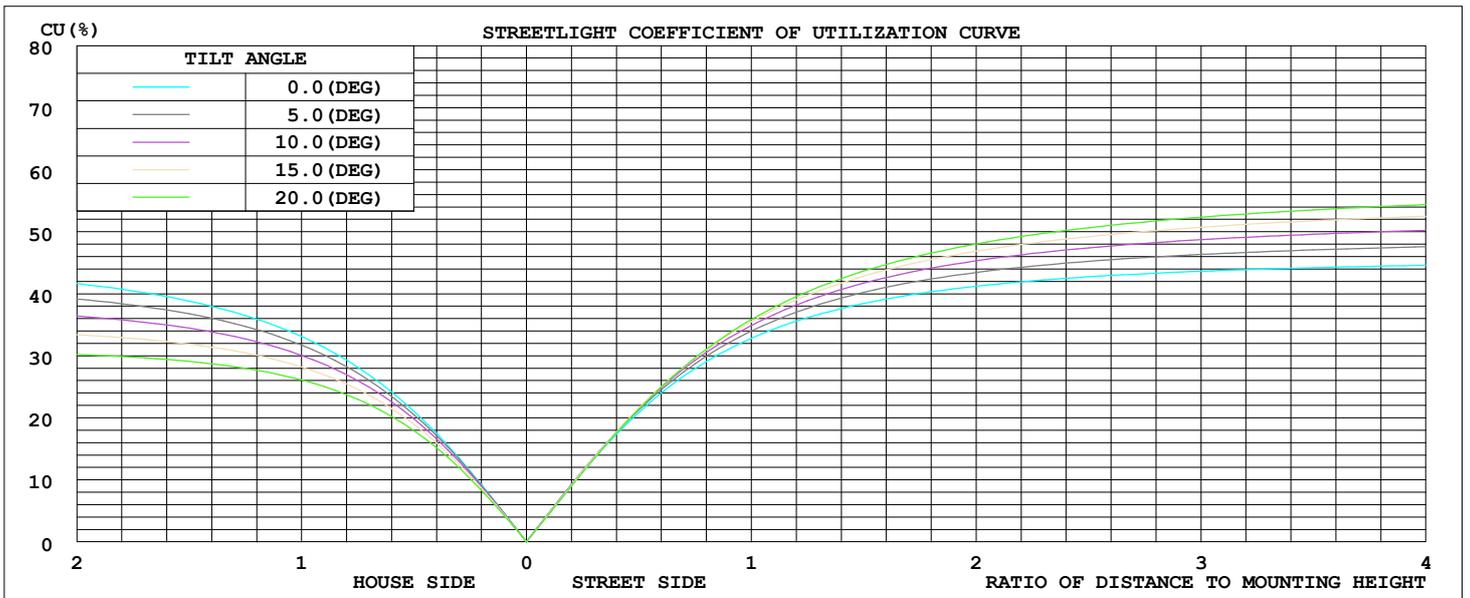
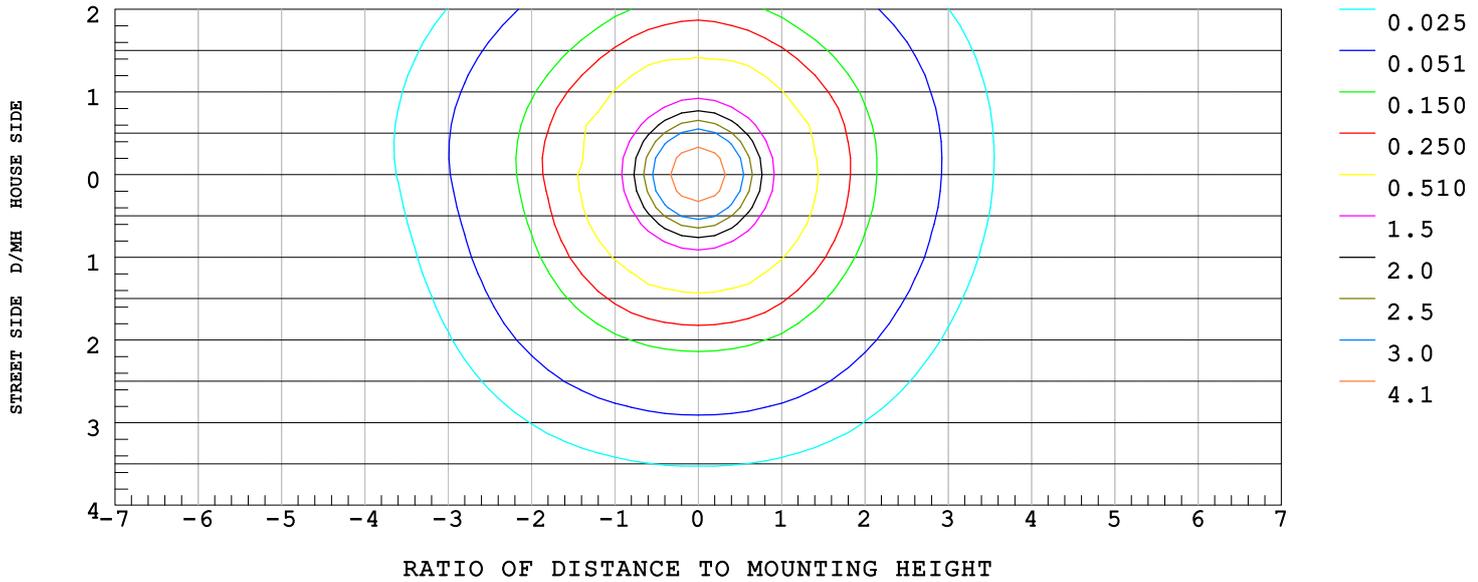
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 8.450 m
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 0028920232 12.5W 3000K 1500lm	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 0.22*0.052	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 5.08 lx



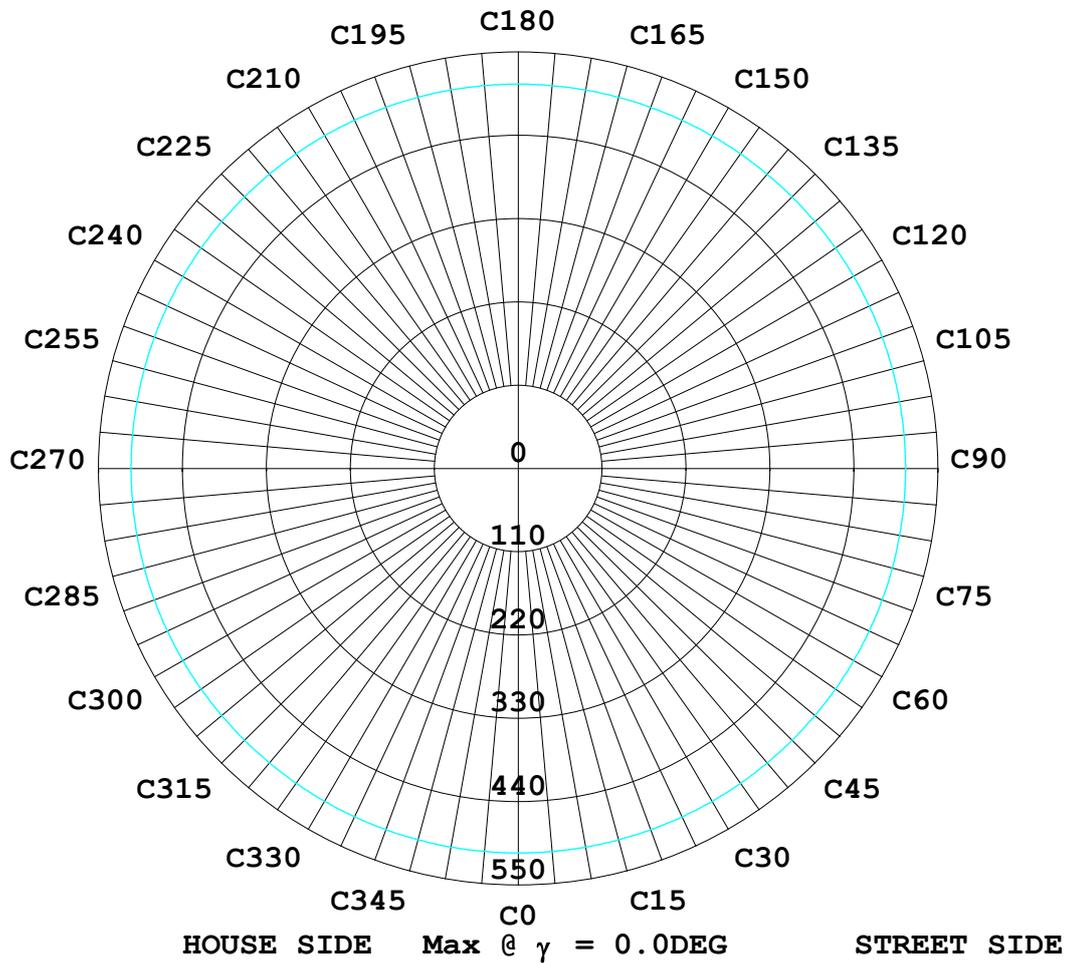
Test System: HopooColor HPG1800
 Temperature: 25.3 DEG
 Operators: W
 Test Date: 2024年08月14日

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: 0028920232 12.5W 3000K 1500lm	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 0.22*0.052	SERIAL No.:



Test System: HopooColor HPG1800
 Temperature: 25.3DEG
 Operators: W
 Test Date: 2024年08月14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: 0028920232 12.5W 3000K 1500lm	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 0.22*0.052	SERIAL No.:

UNIT: cd

γ (DEG)	C (DEG)											
	0	30	60	90	120	150	180	210	240	270	300	330
0.0	508	508	507	507	508	507	508	508	507	507	508	507
5.0	506	506	506	505	506	505	506	506	506	506	506	506
10.0	501	500	501	500	500	499	500	501	500	501	501	501
15.0	491	490	491	489	490	489	490	491	490	491	491	492
20.0	477	475	477	475	476	474	476	477	476	477	477	478
25.0	459	457	459	456	458	455	457	459	458	460	459	461
30.0	437	435	437	434	435	433	435	437	435	438	437	439
35.0	412	409	411	408	410	407	409	412	410	413	411	414
40.0	384	381	383	379	381	378	381	384	382	385	383	386
45.0	353	350	352	348	350	347	350	353	350	354	352	355
50.0	319	309	319	307	317	306	309	319	310	320	311	322
55.0	266	274	269	272	272	270	274	261	274	256	276	250
60.0	246	235	245	233	243	232	236	246	236	247	238	249
65.0	208	197	207	195	205	194	196	208	196	209	198	211
70.0	168	157	167	155	165	154	157	169	158	170	159	172
75.0	129	118	128	116	126	115	118	129	118	130	120	132
80.0	92.1	82.0	91.1	80.2	89.4	79.3	81.1	91.3	80.8	92.0	82.6	94.3
85.0	58.2	50.0	57.4	48.4	55.8	47.4	49.3	57.9	49.0	58.5	50.6	60.8
90.0	30.9	27.7	30.7	27.4	29.9	27.6	27.5	30.7	26.7	30.9	26.9	32.4
95.0	27.7	27.0	27.8	26.7	27.7	26.8	26.7	27.2	25.8	26.6	25.8	27.2
100.0	26.5	26.1	26.7	25.8	26.5	25.9	25.7	26.0	24.9	25.4	24.9	26.1
105.0	25.4	25.1	25.6	24.7	25.4	24.8	24.7	24.9	23.9	24.4	23.9	24.9
110.0	24.3	23.7	24.2	23.6	23.9	23.4	23.4	23.4	22.5	23.3	22.7	23.7
115.0	23.1	21.8	22.4	15.7	22.1	21.5	22.2	21.7	20.9	17.4	20.9	21.9
120.0	21.7	19.9	20.4	16.8	20.0	19.7	20.9	19.9	18.8	16.4	18.9	20.1
125.0	20.4	18.2	17.8	14.6	17.5	18.0	19.3	18.2	16.2	14.8	16.4	18.4
130.0	18.7	16.5	15.2	12.2	14.9	16.3	17.8	16.5	13.9	13.1	14.1	16.7
135.0	17.1	14.9	12.8	9.71	12.7	14.7	16.1	14.9	11.8	10.4	11.9	15.0
140.0	15.4	13.3	11.2	8.49	11.0	13.1	14.3	13.3	10.3	8.99	10.4	13.5
145.0	13.6	11.7	9.78	7.56	9.71	11.4	12.6	11.7	9.13	8.06	9.21	11.9
150.0	11.7	10.2	8.56	6.06	8.42	9.92	10.8	10.2	7.99	7.06	8.06	10.4
155.0	10.0	8.71	7.14	5.06	6.99	8.42	9.13	8.78	6.71	5.35	6.78	9.06
160.0	8.35	7.21	6.14	4.49	6.06	6.92	7.49	7.35	5.78	4.92	5.92	7.64
165.0	6.71	5.92	5.21	4.21	5.14	5.56	5.99	5.99	4.99	4.56	5.06	6.28
170.0	5.35	4.71	4.42	3.85	4.35	4.49	4.71	4.92	4.35	4.14	4.35	5.14
175.0	4.28	3.85	3.85	3.78	3.85	3.85	3.92	4.06	3.85	3.92	3.92	4.21
180.0	3.92	3.85	3.85	3.85	3.92	3.92	3.92	3.85	3.85	3.85	3.92	3.99

Test System:HopooColor HPG1800
 Temperature:25.3DEG
 Operators:W
 Test Date:2024年08月14日

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