

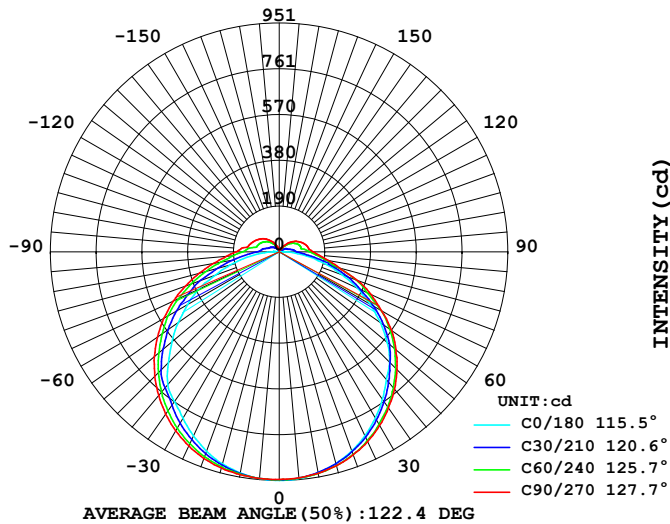
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number :

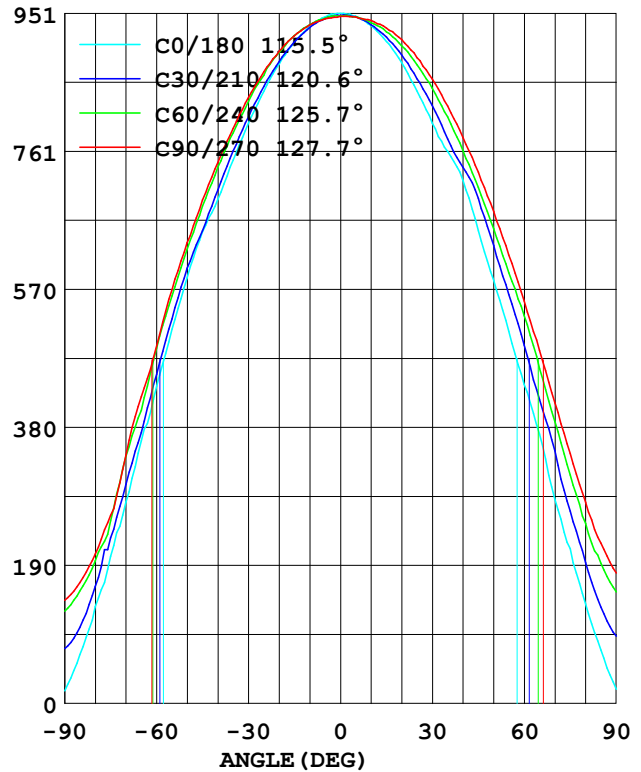
MANUFACTURER :			
Address :			
NAME :		TYPE :	WEIGHT :
SPECIFICATION: 4000K 27W 120°	CCT (K) : 4000	DIMENSION :	SERIAL No. :

DATA OF LAMP		Imax (cd)	950.7	S/MH (C0/180)	1.25
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.31
NOMINAL POWER (W)	26	TOTAL FLUX (lm)	3424.2	Voltage (V)	220.3
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	134.3	Current (A)	0.127
NOMINAL FLUX (lm)	3424.2	η up (%)	9.4	Power (W)	25.50
LAMPS QUANTITY	1	η down (%)	90.6	Power Factor (PF)	0.906
TEST VOLTAGE (V)	220.3	Effective Flux (lm)	3199.3	EET	0.109

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

Color Temperature Data List

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION: 4000K 27W 120°	CCT (K): 4000	DIMENSION:	SERIAL No.:

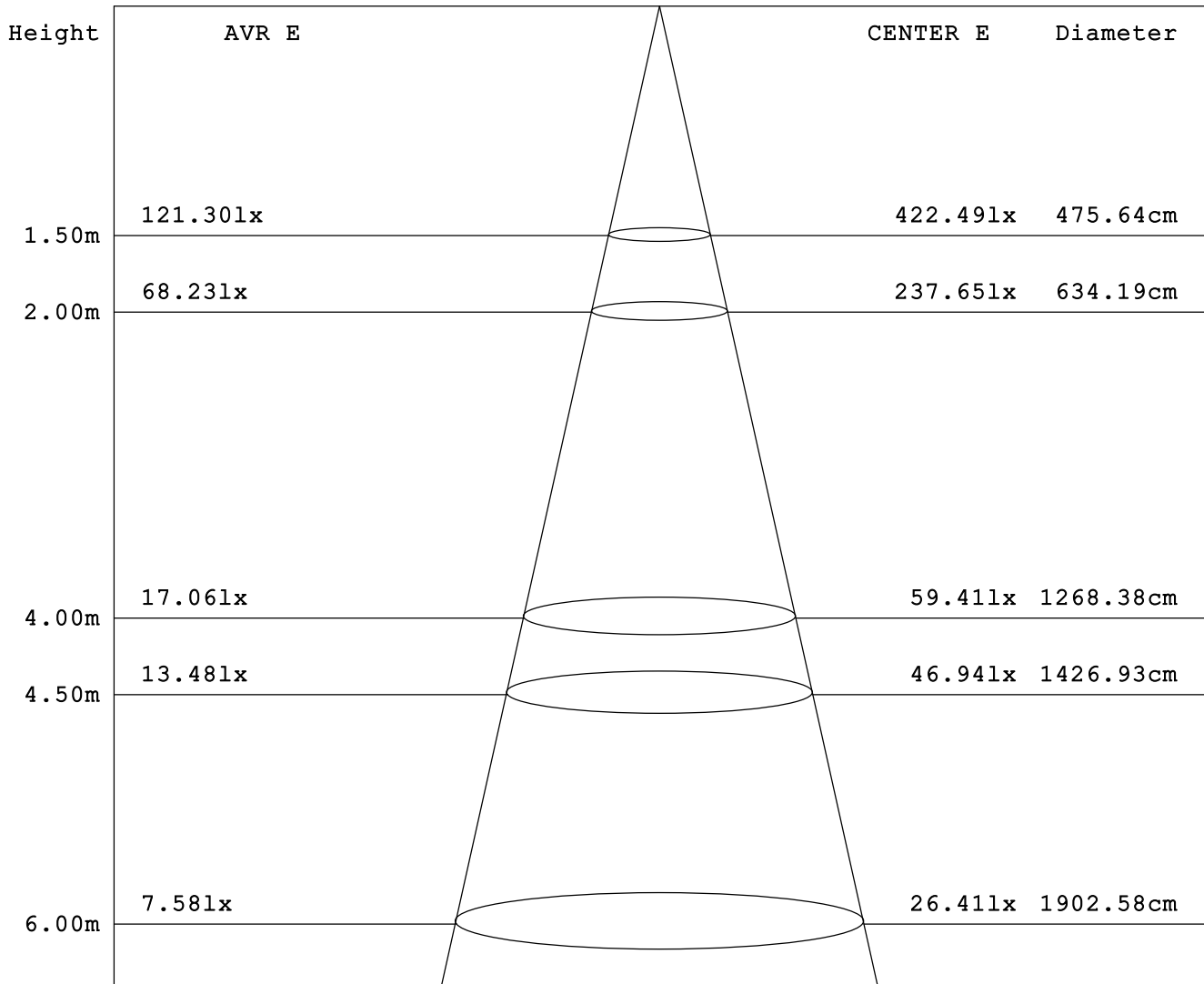
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION: 4000K 27W 120°	CCT (K): 4000	DIMENSION:	SERIAL No.:



Angle:115.5deg

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	
SPECIFICATION: 4000K 27W 120°		CCT (K) : 4000	
		DIMENSION:	
		SERIAL No.:	

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	945.8	943.6	943.0	940.3	946.3	945.8	945.5	941.5	0- 5	22.60	22.60
10.0	932.6	933.1	934.7	929.6	933.8	936.3	940.6	932.1	5- 10	67.15	89.76
15.0	911.2	915.7	919.6	912.2	911.7	921.4	930.3	916.8	10- 15	109.7	199.5
20.0	881.0	890.4	898.4	887.6	882.7	899.7	914.5	894.2	15- 20	149.2	348.7
25.0	843.2	857.5	870.1	855.9	843.7	870.2	889.7	864.8	20- 25	184.1	532.9
30.0	799.7	818.7	835.0	818.0	799.2	835.3	860.0	828.4	25- 30	213.4	746.3
35.0	748.5	773.6	792.2	773.4	760.2	792.7	822.9	786.0	30- 35	236.3	982.7
40.0	694.0	722.8	744.7	728.3	720.4	749.6	779.5	738.0	35- 40	252.9	1236
45.0	649.5	668.0	693.2	677.9	651.2	703.1	731.8	685.0	40- 45	262.6	1498
50.0	586.3	612.3	634.7	613.6	582.6	642.2	677.5	631.0	45- 50	263.9	1762
55.0	515.6	545.8	570.1	549.8	512.5	578.4	617.7	567.9	50- 55	256.8	2019
60.0	437.0	471.6	492.7	481.0	439.2	514.0	554.5	499.0	55- 60	241.8	2261
65.0	361.8	388.6	422.7	395.7	371.1	440.2	486.1	430.6	60- 65	218.6	2480
70.0	277.5	321.2	342.1	324.2	281.2	368.2	414.3	356.0	65- 70	190.2	2670
75.0	202.8	239.8	259.1	243.1	213.1	289.8	344.1	280.1	70- 75	155.6	2826
80.0	133.2	178.8	205.6	179.3	136.8	221.0	277.0	211.6	75- 80	121.0	2947
85.0	67.40	129.7	166.4	128.9	73.19	162.7	220.5	155.1	80- 85	90.08	3037
90.0	17.50	101.3	142.1	99.25	19.69	123.0	179.8	118.0	85- 90	65.84	3103
95.0	19.00	87.20	125.5	86.55	23.80	105.4	159.0	102.0	90- 95	52.53	3155
100.0	5.200	73.84	121.0	73.00	3.400	89.15	132.2	85.59	95-100	45.54	3201
105.0	5.400	67.29	114.6	66.44	3.900	76.30	125.6	74.10	100-105	38.23	3239
110.0	5.700	61.69	106.7	60.00	4.600	69.75	118.4	68.65	105-110	34.20	3273
115.0	6.100	56.40	97.50	54.09	5.100	65.04	110.8	64.50	110-115	30.75	3304
120.0	6.300	49.04	87.50	45.90	5.800	59.79	102.8	59.15	115-120	26.99	3331
125.0	6.800	40.50	76.20	37.59	6.100	53.94	94.30	53.65	120-125	22.84	3354
130.0	7.300	33.20	64.09	31.05	6.800	47.79	85.09	47.84	125-130	18.80	3372
135.0	7.400	26.29	51.50	24.14	7.300	41.29	75.70	41.45	130-135	15.04	3387
140.0	7.700	20.15	35.90	18.25	7.700	34.04	63.30	35.04	135-140	11.38	3399
145.0	8.100	16.00	25.09	15.05	8.000	27.50	52.10	28.69	140-145	8.277	3407
150.0	8.200	13.70	19.20	12.95	8.299	21.60	41.29	23.09	145-150	5.977	3413
155.0	8.700	12.10	15.60	10.70	8.600	16.35	31.20	18.09	150-155	4.198	3417
160.0	8.900	10.79	12.70	10.00	8.900	12.75	22.90	14.05	155-160	2.852	3420
165.0	9.099	9.850	10.50	9.600	9.200	10.80	16.30	11.54	160-165	1.892	3422
170.0	9.400	9.400	9.600	9.500	9.400	10.00	11.70	10.00	165-170	1.212	3423
175.0	9.500	9.500	9.500	9.400	9.600	9.550	10.59	9.400	170-175	0.692	3424
180.0	9.400	9.450	9.200	9.350	9.700	9.450	10.00	9.400	175-180	0.227	3424
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

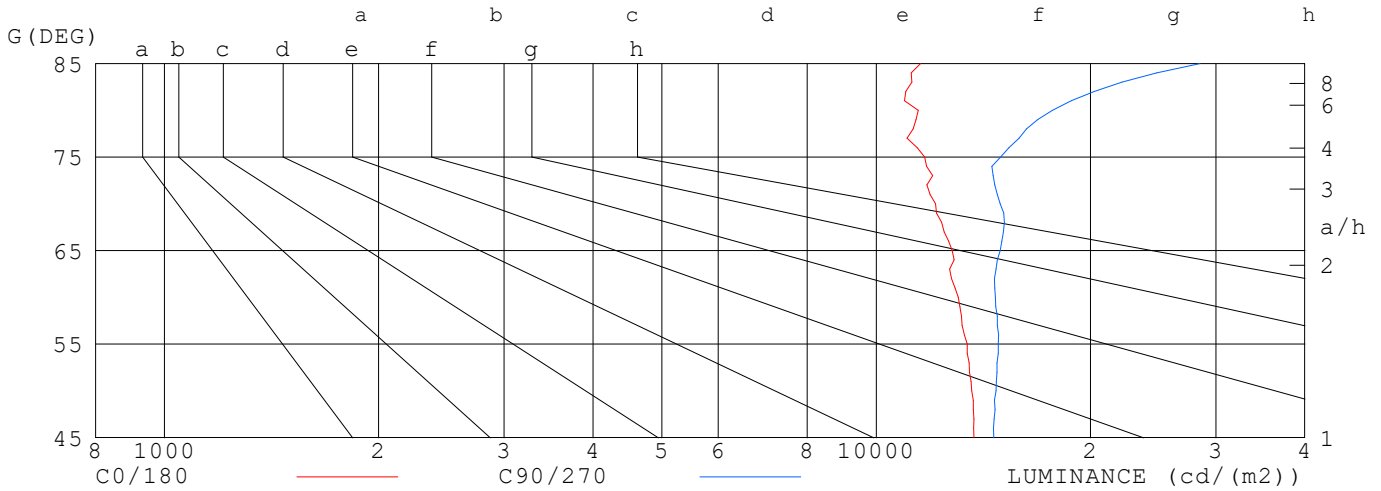
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION: 4000K 27W 120°	CCT (K): 4000	DIMENSION:	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	11542	28496
80	11457	17680
75	11695	14942
70	12110	14929
65	12781	14928
60	13045	14707
55	13417	14835
50	13616	14738
45	13712	14634

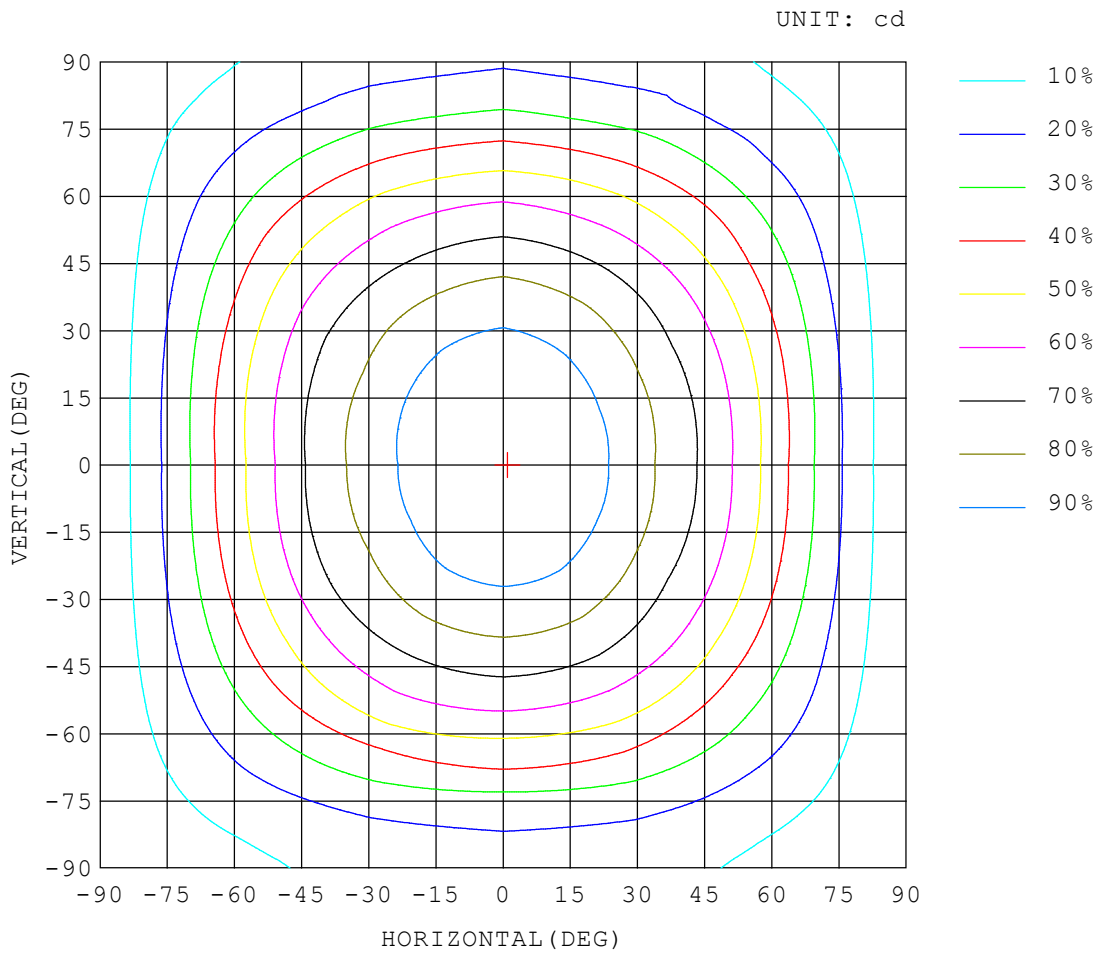
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION: 4000K 27W 120°	CCT (K): 4000	DIMENSION:	SERIAL No.:



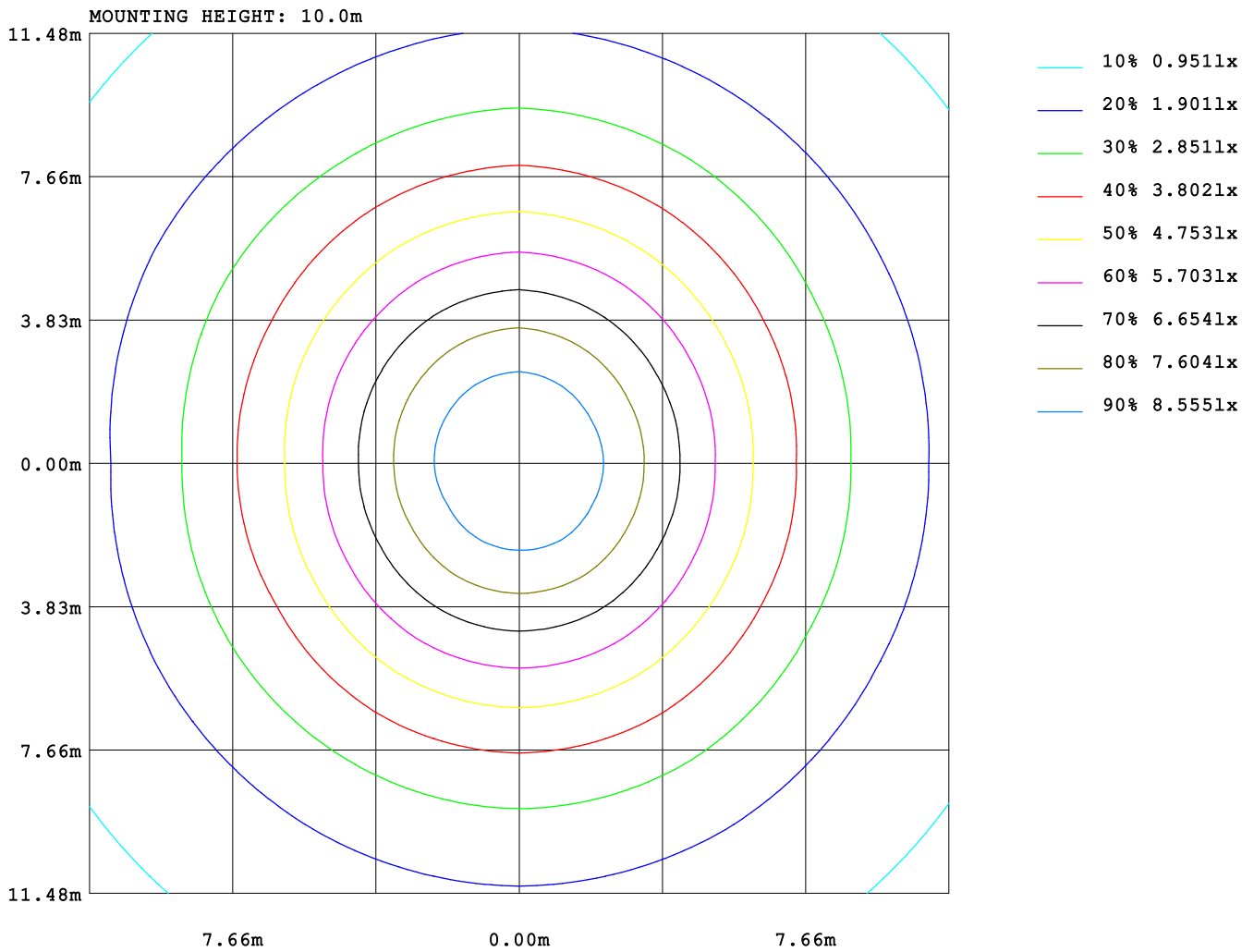
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION: 4000K 27W 120°	CCT (K): 4000	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION: 4000K 27W 120°	CCT (K) : 4000	DIMENSION:	SERIAL No.:

		AREA FLUX DIAGRAM																	UNIT:lm	Φ t	Φ a
VERTICAL (DEG)	90	0.11	0.54	1.24	2.17	3.24	4.38	5.36	6.08	6.60	6.59	6.03	5.29	4.27	3.11	2.03	1.15	0.49	0.10	58.8	56.2
	80	0.13	0.73	1.76	3.20	4.88	6.66	8.26	9.46	10.2	10.2	9.36	8.10	6.47	4.67	2.99	1.63	0.66	0.12	89.6	88.5
	70	0.16	0.94	2.40	4.47	6.92	9.48	11.7	13.4	14.5	14.4	13.3	11.6	9.27	6.69	4.24	2.24	0.87	0.15	127	127
	60	0.19	1.15	3.04	5.79	8.98	12.2	15.1	17.2	18.4	18.4	17.0	14.8	11.9	8.72	5.56	2.88	1.07	0.17	163	163
	50	0.21	1.35	3.63	6.95	10.7	14.5	17.8	20.4	21.8	21.8	20.2	17.6	14.2	10.4	6.71	3.50	1.27	0.19	194	194
	40	0.23	1.51	4.14	7.88	12.2	16.5	20.2	23.0	24.6	24.6	22.9	19.9	16.1	11.9	7.66	4.00	1.43	0.21	219	219
	30	0.24	1.63	4.51	8.55	13.2	17.9	21.8	24.9	26.7	26.6	24.8	21.6	17.4	13.0	8.38	4.38	1.56	0.22	238	238
		0.25	1.70	4.73	8.93	13.9	18.7	22.8	26.1	27.9	27.9	26.0	22.6	18.3	13.6	8.85	4.60	1.64	0.23	249	249
		0.25	1.71	4.79	9.02	14.1	18.9	23.2	26.7	28.5	28.4	26.6	23.2	18.6	13.9	9.02	4.67	1.66	0.23	254	254
		0.25	1.70	4.76	8.96	14.0	18.8	23.1	26.5	28.3	28.4	26.5	23.1	18.6	13.8	8.98	4.65	1.65	0.23	253	253
		0.25	1.67	4.64	8.75	13.6	18.4	22.4	25.8	27.6	27.7	25.9	22.5	18.1	13.5	8.73	4.52	1.61	0.23	246	246
	-30	0.24	1.58	4.36	8.25	12.8	17.4	21.2	24.4	26.1	26.1	24.5	21.2	17.1	12.7	8.16	4.23	1.52	0.22	233	232
	-40	0.22	1.44	3.93	7.49	11.6	15.8	19.5	22.3	23.8	23.8	22.3	19.4	15.7	11.5	7.32	3.81	1.38	0.21	212	212
	-50	0.20	1.26	3.39	6.48	10.0	13.8	17.0	19.4	20.7	20.8	19.4	17.0	13.7	9.89	6.25	3.28	1.21	0.19	184	184
	-60	0.18	1.05	2.78	5.24	8.15	11.2	14.1	16.0	17.0	17.0	15.9	13.9	11.0	7.97	5.07	2.69	1.01	0.16	151	151
	-70	0.15	0.84	2.12	3.92	6.02	8.25	10.2	11.7	12.6	12.6	11.7	10.3	8.25	5.93	3.82	2.06	0.80	0.14	112	111
-80	0.12	0.63	1.49	2.66	3.98	5.29	6.49	7.40	7.93	7.94	7.45	6.57	5.35	3.98	2.61	1.44	0.60	0.11	72.1	70.5	
-90	0.10	0.45	1.01	1.73	2.57	3.45	4.18	4.69	5.03	5.05	4.75	4.28	3.53	2.60	1.73	1.00	0.44	0.09	46.7	42.4	
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	3.48	21.9	58.8	111	171	232	285	326	349	349	325	284	228	168	108	56.8	20.9	3.21	3424		
Φ a	1.34	19.7	57.2	110	171	232	285	326	349	349	325	284	228	168	107	54.9	18.4	1.06		3199	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:

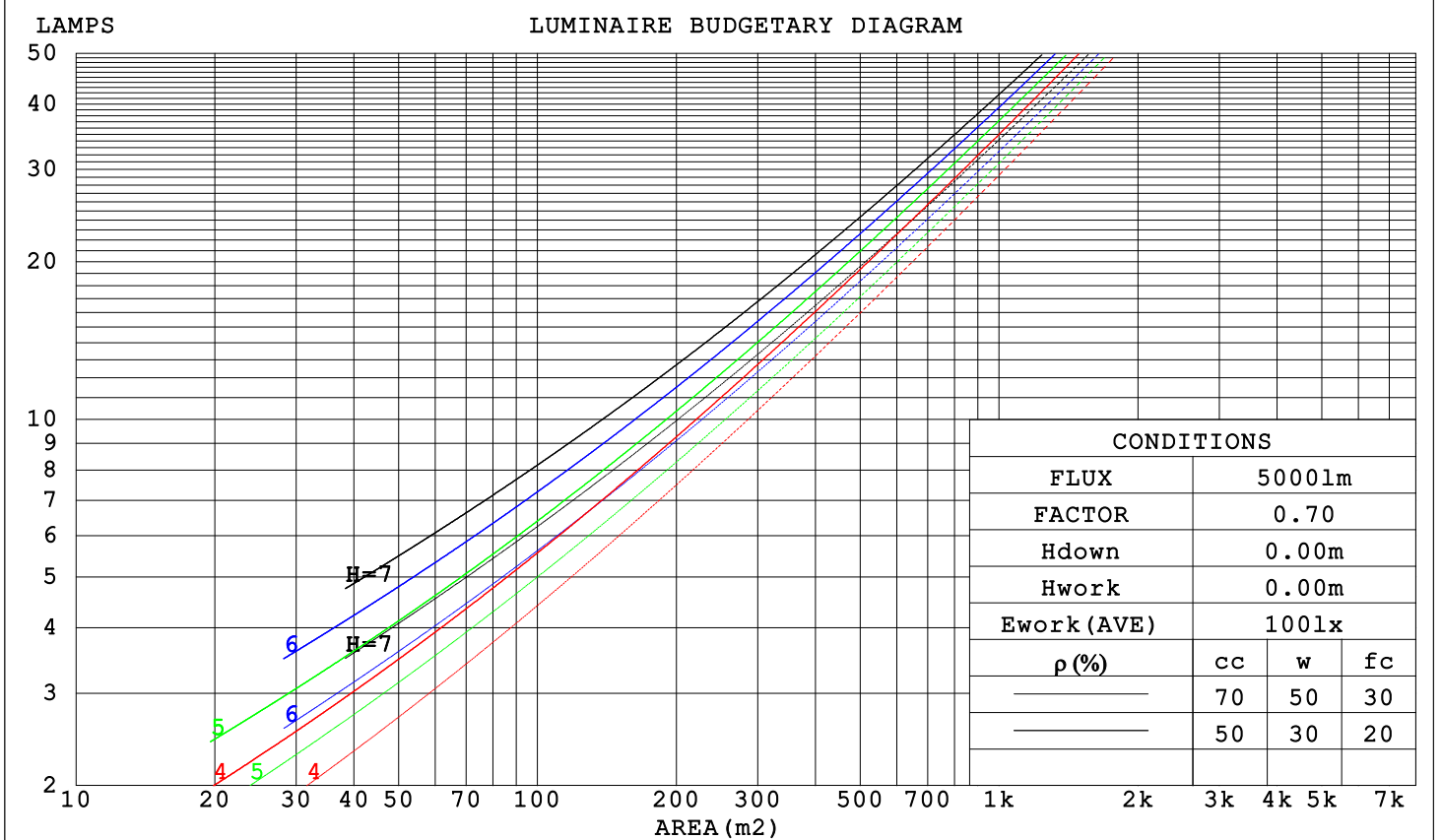
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:															
Address:															
NAME:								TYPE:				WEIGHT:			
SPECIFICATION: 4000K 27W 120°				CCT (K): 4000				DIMENSION:				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	1.13	1.13	1.13	1.06	1.06	1.06	.99	.99	.99	.93	.93	.93	.91
1.0	.00	.95	.91	.96	.92	.88	.90	.87	.84	.85	.82	.79	.80	.78	.75	.73
2.0	.86	.79	.73	.83	.77	.71	.78	.73	.68	.73	.69	.65	.69	.65	.62	.59
3.0	.75	.66	.60	.73	.65	.58	.68	.62	.56	.64	.59	.54	.61	.56	.52	.49
4.0	.66	.57	.50	.64	.56	.49	.60	.53	.47	.57	.51	.46	.54	.48	.44	.42
5.0	.59	.50	.43	.57	.48	.42	.54	.46	.41	.51	.44	.39	.48	.43	.38	.36
6.0	.53	.44	.37	.51	.43	.36	.49	.41	.35	.46	.39	.34	.44	.38	.33	.31
7.0	.48	.39	.32	.46	.38	.32	.44	.37	.31	.42	.35	.30	.40	.34	.29	.27
8.0	.43	.35	.29	.42	.34	.28	.40	.33	.28	.38	.32	.27	.36	.31	.26	.24
9.0	.40	.31	.26	.39	.31	.25	.37	.30	.25	.35	.29	.24	.34	.28	.24	.22
10.0	.37	.29	.23	.36	.28	.23	.34	.27	.22	.33	.26	.22	.31	.25	.21	.20



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

WEC AND CCEC

Report number:

MANUFACTURER:															
Address:															
NAME:										TYPE:			WEIGHT:		
SPECIFICATION: 4000K 27W 120°					CCT (K): 4000					DIMENSION:			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	.346	.197	.062	.336	.192	.061	.318	.182	.058	.300	.173	.056	.284	.165	.053	
2.0	.312	.171	.052	.303	.167	.051	.286	.159	.049	.271	.152	.048	.257	.145	.046	
3.0	.283	.151	.045	.275	.147	.044	.260	.141	.043	.246	.135	.041	.233	.129	.040	
4.0	.258	.134	.039	.251	.131	.039	.237	.126	.038	.225	.121	.036	.213	.116	.035	
5.0	.237	.121	.035	.230	.118	.034	.218	.113	.033	.206	.109	.032	.196	.105	.031	
6.0	.218	.109	.031	.212	.107	.031	.201	.103	.030	.191	.099	.029	.181	.095	.028	
7.0	.202	.100	.028	.197	.098	.028	.187	.094	.027	.177	.091	.026	.168	.087	.026	
8.0	.188	.092	.026	.183	.090	.025	.174	.087	.025	.165	.084	.024	.157	.081	.024	
9.0	.176	.085	.024	.171	.083	.023	.163	.081	.023	.155	.078	.022	.148	.075	.022	
10.0	.165	.079	.022	.161	.078	.022	.153	.075	.021	.146	.072	.021	.139	.070	.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																
1.0	.255	.228	.204	.218	.196	.175	.149	.135	.121	.086	.078	.070	.028	.025	.023	
2.0	.248	.204	.168	.212	.176	.145	.145	.122	.101	.084	.071	.059	.027	.023	.019	
3.0	.240	.187	.145	.206	.162	.126	.141	.112	.088	.082	.066	.052	.026	.021	.017	
4.0	.232	.175	.130	.199	.151	.113	.137	.105	.080	.079	.062	.047	.026	.020	.016	
5.0	.225	.164	.120	.193	.142	.104	.133	.099	.074	.077	.058	.044	.025	.019	.014	
6.0	.218	.156	.112	.187	.135	.098	.129	.095	.069	.075	.056	.041	.024	.018	.014	
7.0	.211	.150	.107	.181	.130	.093	.125	.091	.066	.073	.054	.039	.024	.018	.013	
8.0	.204	.144	.103	.176	.125	.089	.122	.088	.063	.071	.052	.038	.023	.017	.013	
9.0	.198	.139	.099	.171	.121	.087	.118	.085	.061	.069	.050	.037	.022	.016	.012	
10.0	.192	.135	.097	.166	.117	.084	.115	.082	.060	.067	.049	.036	.022	.016	.012	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

UGR Table

Report number:

MANUFACTURER:										
Address:										
NAME:					TYPE:			WEIGHT:		
SPECIFICATION: 4000K 27W 120°		CCT (K): 4000			DIMENSION:			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	21.2	22.6	21.6	23.0	23.4	21.7	23.1	22.1	23.5	23.9
3H	22.7	24.1	23.2	24.5	24.9	23.5	24.8	23.9	25.2	25.7
4H	23.4	24.7	23.8	25.1	25.5	24.3	25.6	24.7	26.0	26.4
6H	23.9	25.1	24.4	25.5	26.0	25.1	26.3	25.6	26.7	27.2
8H	24.1	25.2	24.6	25.7	26.2	25.5	26.7	26.0	27.1	27.6
12H	24.2	25.4	24.7	25.8	26.3	26.1	27.2	26.6	27.6	28.1
4H 2H	21.9	23.1	22.3	23.5	24.0	22.3	23.5	22.7	23.9	24.4
3H	23.6	24.7	24.1	25.2	25.7	24.3	25.4	24.8	25.9	26.4
4H	24.4	25.4	24.9	25.9	26.5	25.2	26.2	25.7	26.7	27.3
6H	25.1	26.0	25.6	26.5	27.1	26.2	27.1	26.7	27.6	28.2
8H	25.4	26.2	25.9	26.7	27.3	26.8	27.6	27.3	28.1	28.7
12H	25.6	26.4	26.1	26.9	27.5	27.4	28.2	28.0	28.7	29.3
8H 4H	24.8	25.7	25.4	26.2	26.8	25.5	26.4	26.1	26.9	27.5
6H	25.7	26.4	26.3	27.0	27.6	26.7	27.4	27.3	28.0	28.6
8H	26.1	26.8	26.7	27.3	28.0	27.5	28.1	28.1	28.7	29.3
12H	26.5	27.0	27.1	27.6	28.3	28.3	28.9	29.0	29.5	30.2
12H 4H	24.9	25.7	25.5	26.2	26.8	25.5	26.3	26.1	26.9	27.5
6H	25.9	26.5	26.5	27.1	27.8	26.8	27.5	27.4	28.1	28.7
8H	26.4	26.9	27.0	27.5	28.2	27.7	28.2	28.3	28.8	29.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 3424 lm Total Lamp Luminous Flux. (8log(F/F0) = 4.3)

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:							
Address:							
NAME:		TYPE:		WEIGHT:			
SPECIFICATION: 4000K 27W 120°		CCT (K): 4000		DIMENSION:		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) $k(RI) \times RCR = 5$										
$k = 0.60$	52	40	33	51	40	33	50	39	33	26	
0.80	62	50	42	61	49	42	58	48	41	33	
1.00	70	58	50	68	57	50	66	58	49	41	
1.25	77	65	58	75	64	57	72	62	56	47	
1.50	82	71	63	80	70	62	76	67	61	52	
2.00	89	79	72	87	78	71	82	75	69	59	
2.50	94	85	78	91	83	76	86	79	73	63	
3.00	97	89	83	94	87	81	89	83	78	67	
4.00	101	95	89	98	92	87	93	88	83	72	
5.00	104	98	93	101	96	91	95	91	87	75	
ROOM INDEX	UF(total)									Direct	
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25			

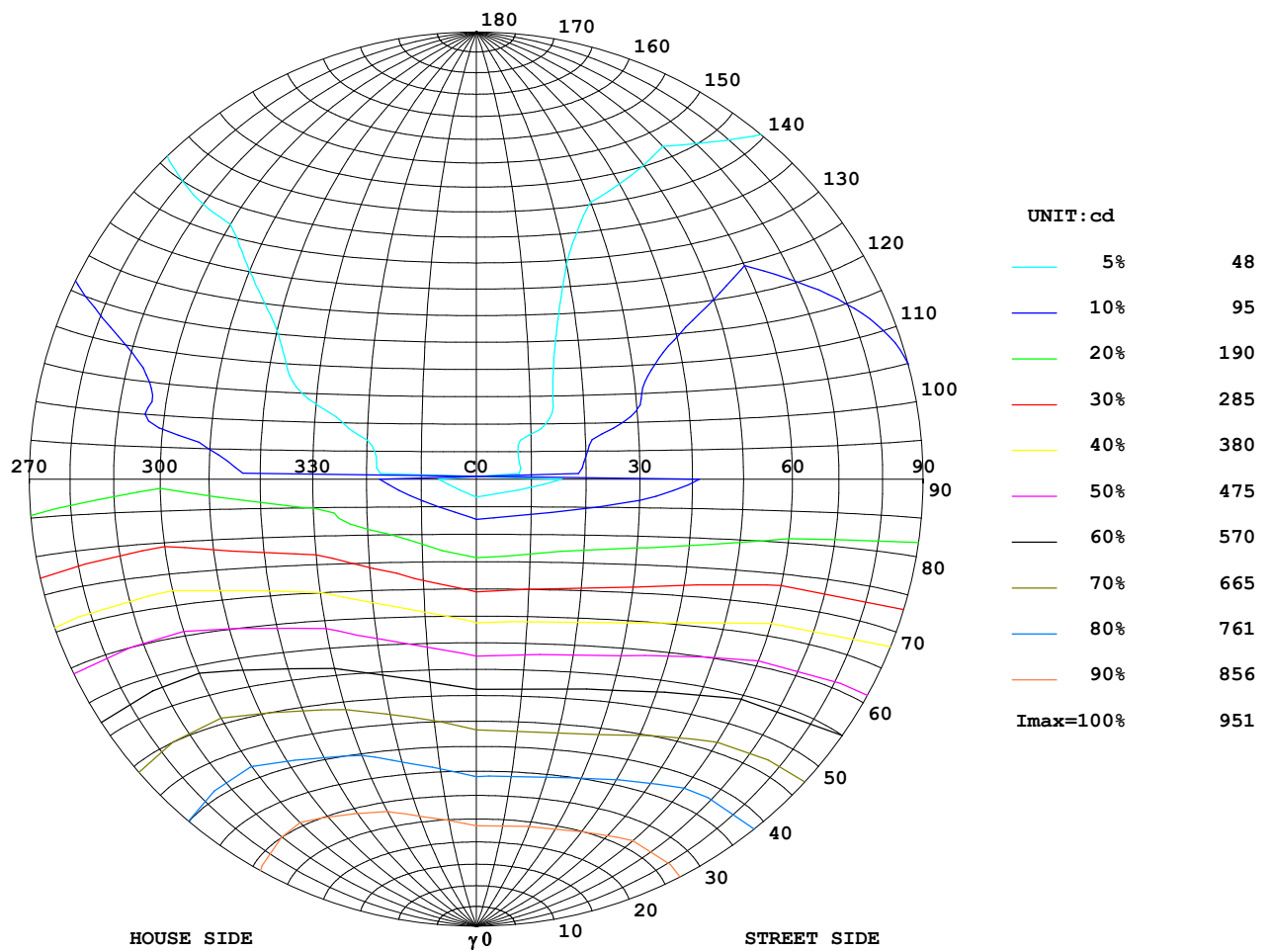
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION: 4000K 27W 120°	CCT (K): 4000	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:

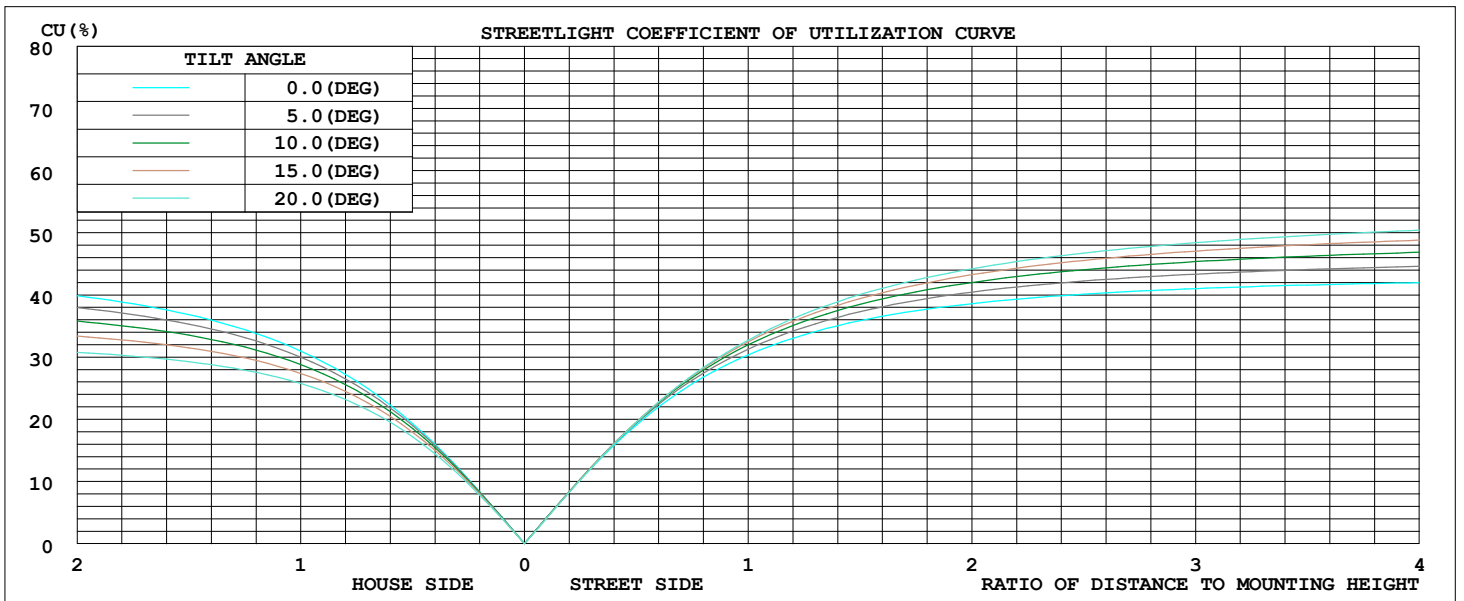
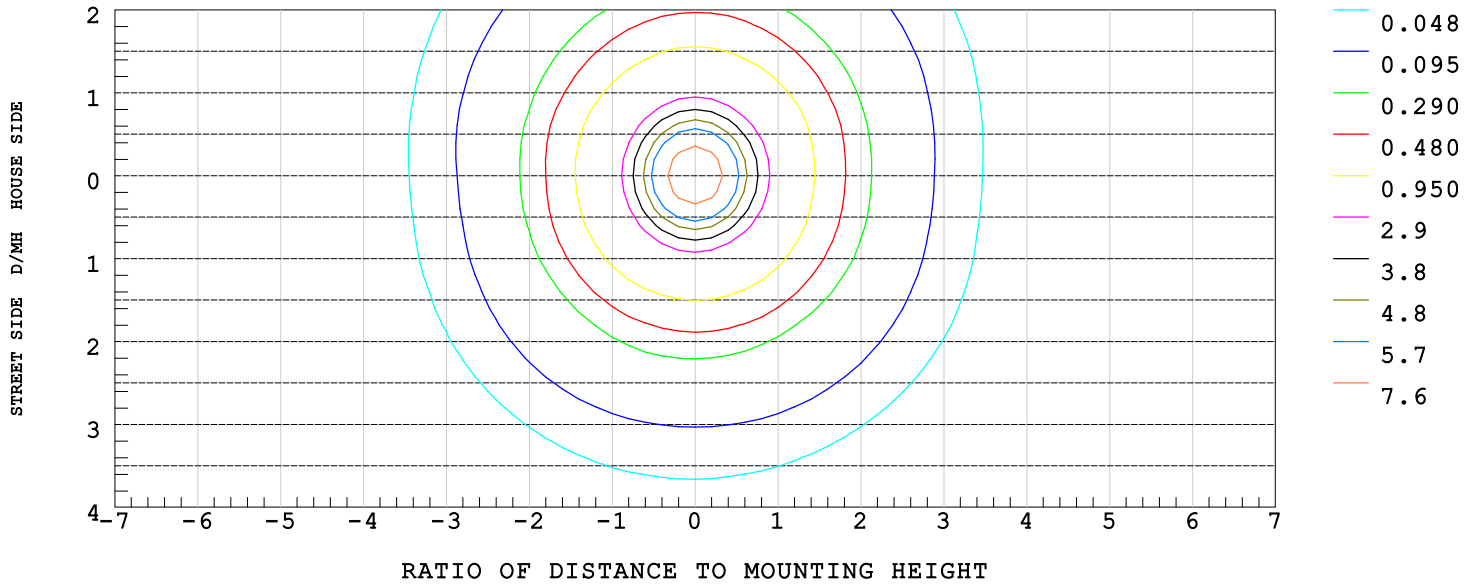
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION: 4000K 27W 120°	CCT (K): 4000	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 9.51 lx



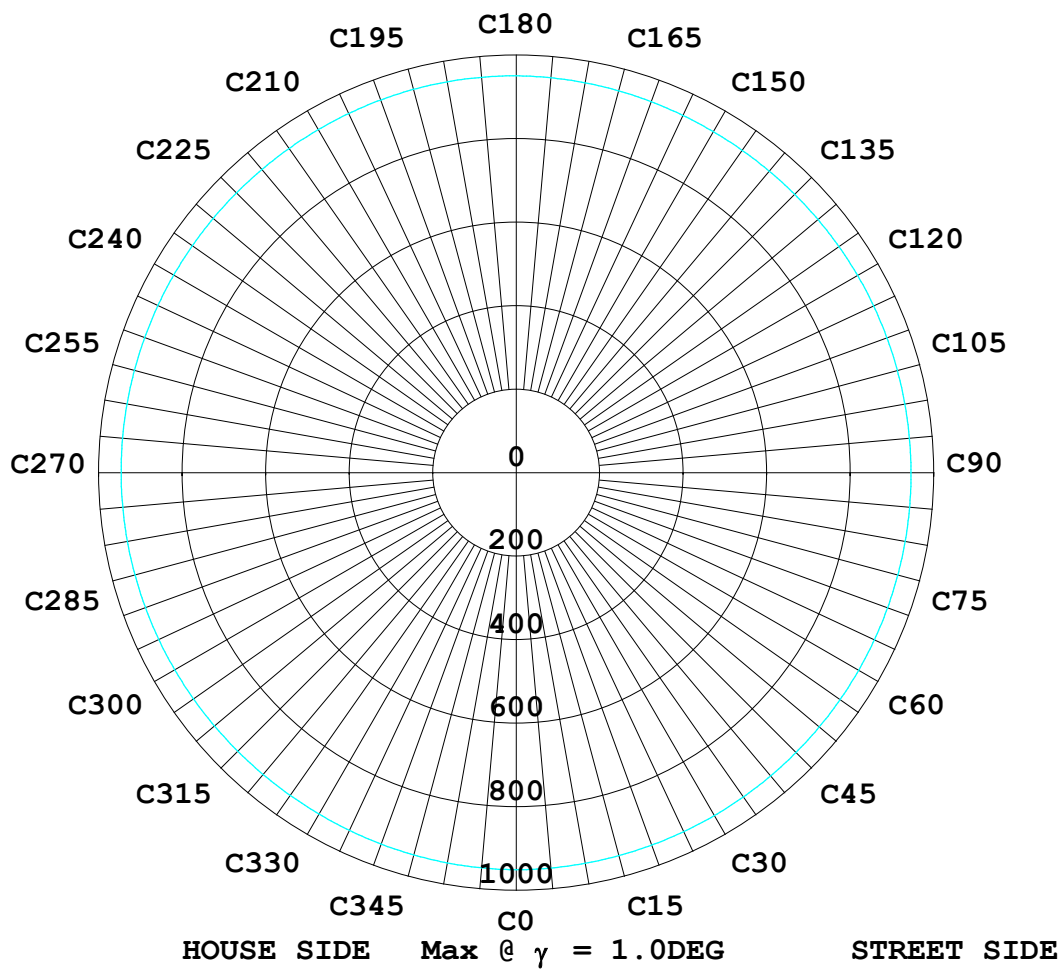
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION: 4000K 27W 120°	CCT (K): 4000	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION: 4000K 27W 120°	CCT (K) : 4000	DIMENSION:	SERIAL No. :

UNIT: cd

γ (DEG)	C (DEG)											
	0	30	60	90	120	150	180	210	240	270	300	330
0.0	951	947	947	947	944	945	951	947	947	947	944	945
5.0	946	944	944	943	941	940	946	946	946	946	942	941
10.0	933	931	935	935	931	928	934	935	938	941	935	929
15.0	911	911	920	920	916	909	912	918	925	930	922	912
20.0	881	884	897	898	894	882	883	893	906	915	902	886
25.0	843	850	865	870	864	848	844	861	880	890	876	854
30.0	800	808	830	835	827	809	799	823	847	860	842	815
35.0	749	761	786	792	785	762	760	778	808	823	802	771
40.0	694	707	739	745	736	721	720	738	761	780	757	719
45.0	650	651	685	693	682	674	651	696	711	732	705	665
50.0	586	599	625	635	624	604	583	631	654	678	648	614
55.0	516	530	562	570	567	533	513	563	593	618	586	550
60.0	437	454	490	493	499	463	439	494	534	555	519	479
65.0	362	373	404	423	403	389	371	419	462	486	457	404
70.0	278	302	341	342	337	312	281	348	388	414	381	331
75.0	203	228	251	259	249	237	213	265	315	344	309	251
80.0	133	161	197	206	193	166	137	194	248	277	242	181
85.0	67.4	105	155	166	151	107	73.1	133	193	221	188	122
90.0	17.5	75.5	127	142	124	74.8	19.6	92.6	154	180	150	86.5
95.0	19.0	65.1	109	126	109	64.5	23.8	77.0	134	159	131	73.0
100.0	5.20	56.6	91.0	121	89.6	56.4	3.40	70.4	108	132	104	66.9
105.0	5.40	42.7	91.7	115	90.2	42.6	3.90	57.5	95.0	126	93.8	54.4
110.0	5.70	35.7	87.5	107	84.6	35.2	4.60	47.7	91.7	118	90.9	46.3
115.0	6.10	32.0	80.8	97.5	77.4	30.7	5.10	43.2	86.7	111	86.1	42.7
120.0	6.30	25.9	72.1	87.5	68.5	23.2	5.80	38.9	80.6	103	79.9	38.4
125.0	6.80	18.6	62.4	76.2	58.7	16.5	6.10	34.0	73.7	94.3	73.4	33.8
130.0	7.30	14.3	52.1	64.0	48.4	13.7	6.80	29.1	66.3	85.0	66.1	29.4
135.0	7.40	13.2	39.3	51.5	36.1	12.1	7.30	24.9	57.7	75.7	57.3	25.6
140.0	7.70	12.3	28.0	35.9	26.3	10.2	7.70	19.6	48.4	63.3	48.4	21.6
145.0	8.10	11.3	20.7	25.0	20.5	9.60	8.00	16.0	39.0	52.1	39.0	18.2
150.0	8.20	10.1	17.2	19.2	16.5	9.40	8.29	13.0	30.1	41.2	30.8	15.2
155.0	8.70	9.60	14.5	15.6	12.4	9.00	8.60	11.7	21.0	31.2	23.2	12.9
160.0	8.90	9.09	12.5	12.7	11.1	8.90	8.90	10.8	14.7	22.9	17.0	11.1
165.0	9.09	8.90	10.8	10.5	10.3	8.90	9.20	10.3	11.3	16.3	12.9	10.2
170.0	9.40	8.80	10.0	9.60	10.0	9.00	9.40	10.0	10.0	11.7	10.2	9.80
175.0	9.50	9.09	9.90	9.50	9.70	9.09	9.60	9.70	9.40	10.5	9.09	9.70
180.0	9.40	9.20	9.70	9.20	9.60	9.09	9.70	9.60	9.30	10.0	9.20	9.60

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: