

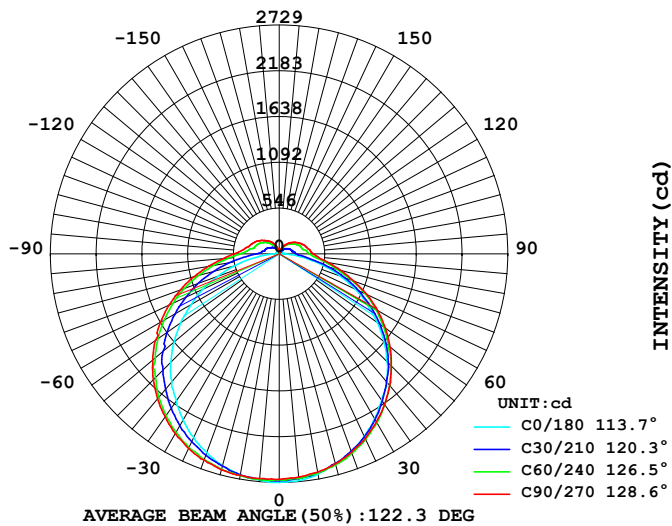
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number :

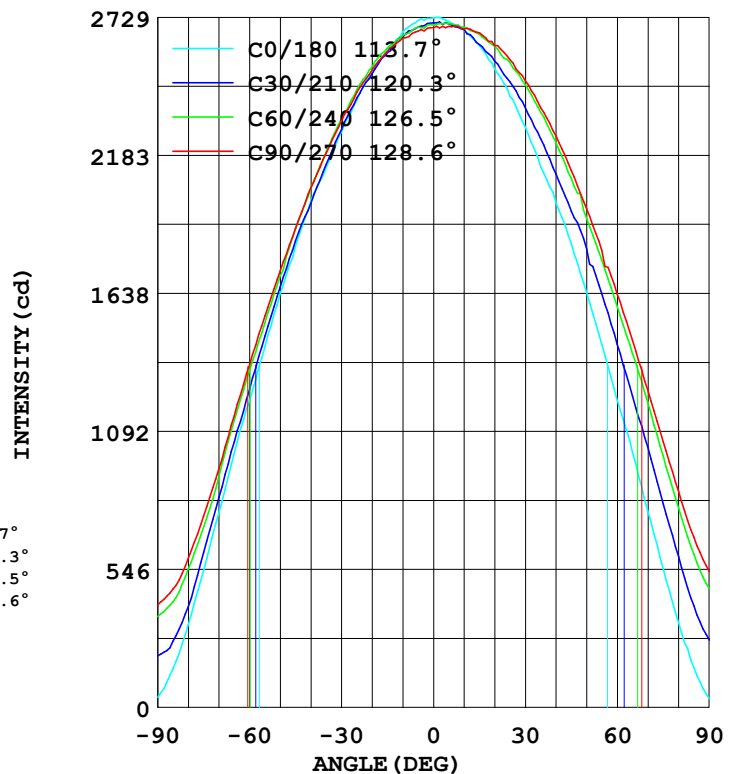
MANUFACTURER :			
Address :			
NAME :		TYPE :	WEIGHT :
SPECIFICATION : 4000K 68W 120D	CCT (K) : 4000	DIMENSION :	SERIAL No. :

DATA OF LAMP		Imax (cd)	2729	S/MH (C0/180)	1.24
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.28
NOMINAL POWER (W)	68	TOTAL FLUX (lm)	9854.1	Voltage (V)	220.1
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	143.1	Current (A)	0.317
NOMINAL FLUX (lm)	9854.1	η up (%)	10.6	Power (W)	68.87
LAMPS QUANTITY	1	η down (%)	89.4	Power Factor (PF)	0.986
TEST VOLTAGE (V)	220.1	Effective Flux (lm)	9187.0	EET	0.102

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:5-18-2022

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 68W 120D	CCT (K): 4000	DIMENSION:	SERIAL No.:

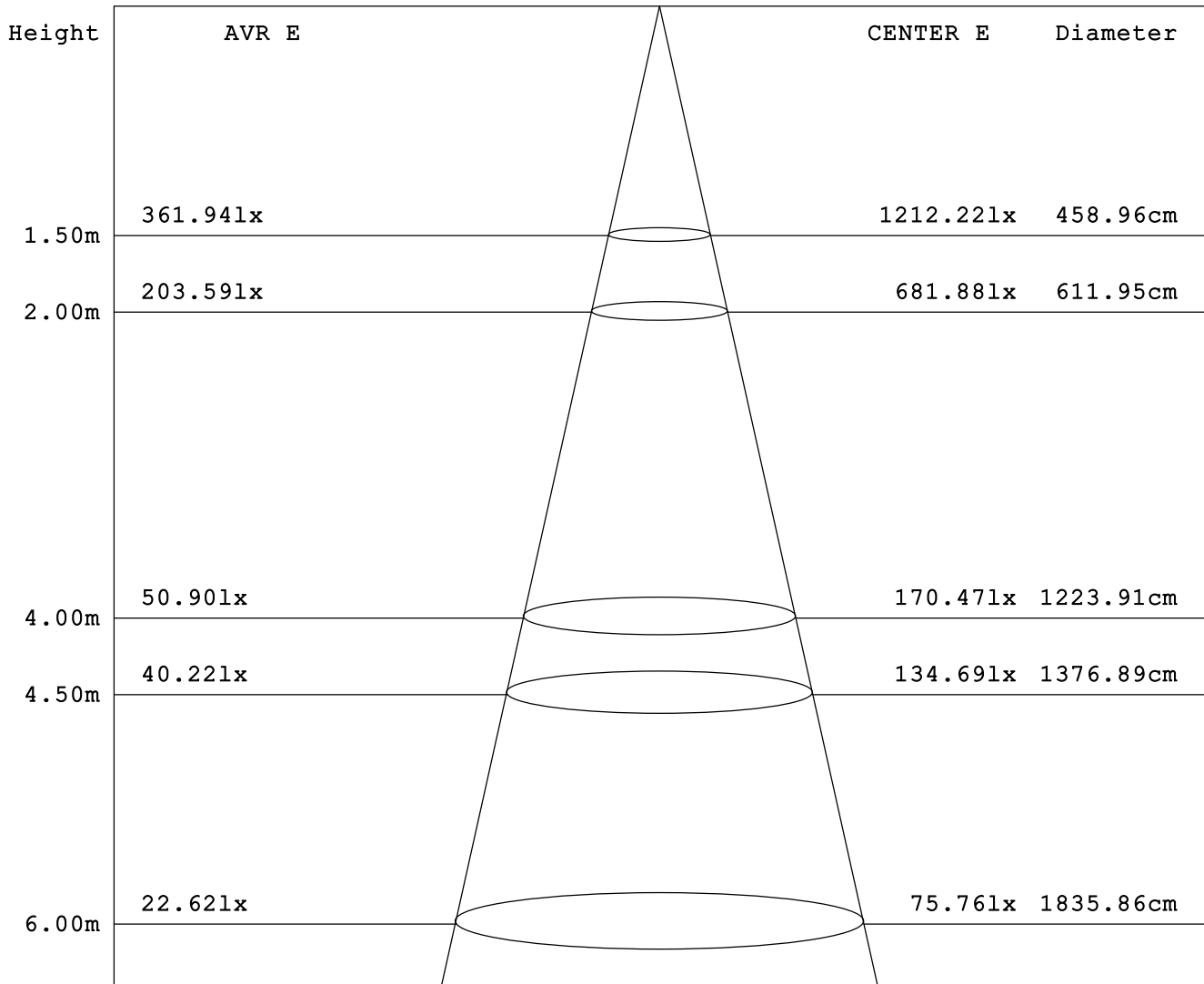
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:5-18-2022

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 68W 120D	CCT (K): 4000	DIMENSION:	SERIAL No.:



Angle:113.7deg

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:5-18-2022

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:	WEIGHT:
SPECIFICATION: 4000K 68W 120D	CCT (K) : 4000	DIMENSION:	SERIAL No. :

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	2717	2690	2674	2680	2712	2703	2693	2677	0- 5	64.45	64.45
10.0	2670	2654	2646	2651	2675	2685	2684	2657	5- 10	191.5	256.0
15.0	2600	2598	2593	2598	2617	2641	2668	2610	10- 15	312.9	569.0
20.0	2517	2521	2523	2528	2525	2586	2617	2537	15- 20	425.2	994.2
25.0	2402	2428	2434	2434	2417	2512	2562	2463	20- 25	524.5	1519
30.0	2277	2307	2320	2316	2295	2417	2478	2356	25- 30	607.9	2127
35.0	2136	2172	2191	2192	2139	2301	2372	2234	30- 35	672.6	2799
40.0	2002	2023	2055	2050	1995	2171	2261	2106	35- 40	718.0	3518
45.0	1823	1868	1894	1894	1834	2027	2123	1962	40- 45	743.3	4261
50.0	1635	1684	1725	1721	1639	1873	1970	1786	45- 50	745.9	5007
55.0	1428	1496	1549	1537	1436	1702	1807	1608	50- 55	724.5	5731
60.0	1215	1296	1356	1341	1216	1511	1635	1419	55- 60	682.5	6414
65.0	1006	1093	1154	1137	1008	1315	1451	1225	60- 65	622.5	7037
70.0	770.2	872.4	944.4	922.2	775.4	1117	1254	1014	65- 70	543.6	7580
75.0	540.8	662.8	755.7	703.5	548.4	899.5	1050	800.5	70- 75	448.3	8029
80.0	327.6	473.2	588.7	512.0	334.2	692.4	854.3	596.2	75- 80	348.9	8377
85.0	151.6	339.2	467.9	347.8	157.5	503.7	672.5	420.9	80- 85	253.6	8631
90.0	39.79	282.3	406.3	267.2	35.10	367.8	537.2	313.8	85- 90	183.0	8814
95.0	47.50	263.3	378.2	239.7	45.10	304.4	452.6	270.1	90- 95	148.3	8962
100.0	45.59	227.1	352.6	209.7	44.20	276.4	409.2	243.1	95-100	133.2	9096
105.0	43.50	217.9	332.6	197.8	42.29	243.2	370.1	222.5	100-105	117.0	9213
110.0	39.29	209.5	313.7	191.5	39.29	233.1	349.3	211.2	105-110	108.7	9322
115.0	37.59	195.1	291.5	179.5	37.50	220.2	327.8	199.6	110-115	99.52	9421
120.0	35.10	178.2	266.7	160.7	35.40	202.9	306.2	184.7	115-120	88.86	9510
125.0	34.59	159.3	241.1	143.0	35.70	182.9	279.2	169.2	120-125	76.97	9587
130.0	34.09	139.1	214.5	127.0	34.50	167.1	249.0	152.4	125-130	65.39	9652
135.0	33.19	123.0	189.8	104.6	34.00	149.5	224.9	141.1	130-135	54.39	9707
140.0	31.70	103.6	162.1	87.95	32.30	128.3	202.5	124.5	135-140	43.81	9751
145.0	31.20	85.54	134.8	73.59	32.40	109.6	177.8	107.2	140-145	34.02	9785
150.0	31.50	67.05	107.2	59.90	33.00	92.80	153.0	89.35	145-150	25.47	9810
155.0	31.60	50.90	80.29	48.20	32.50	76.60	125.1	71.69	150-155	18.06	9828
160.0	30.10	37.29	55.80	35.64	30.19	61.29	96.00	55.69	155-160	11.87	9840
165.0	29.40	30.54	35.10	29.79	29.40	47.00	69.50	41.25	160-165	7.228	9847
170.0	28.60	28.40	27.79	28.15	29.10	35.20	45.69	32.50	165-170	4.124	9851
175.0	28.50	28.05	27.50	27.95	28.90	28.45	30.79	27.70	170-175	2.142	9853
180.0	28.70	27.90	27.40	27.65	28.79	27.90	28.90	27.65	175-180	0.673	9854
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:5-18-2022

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

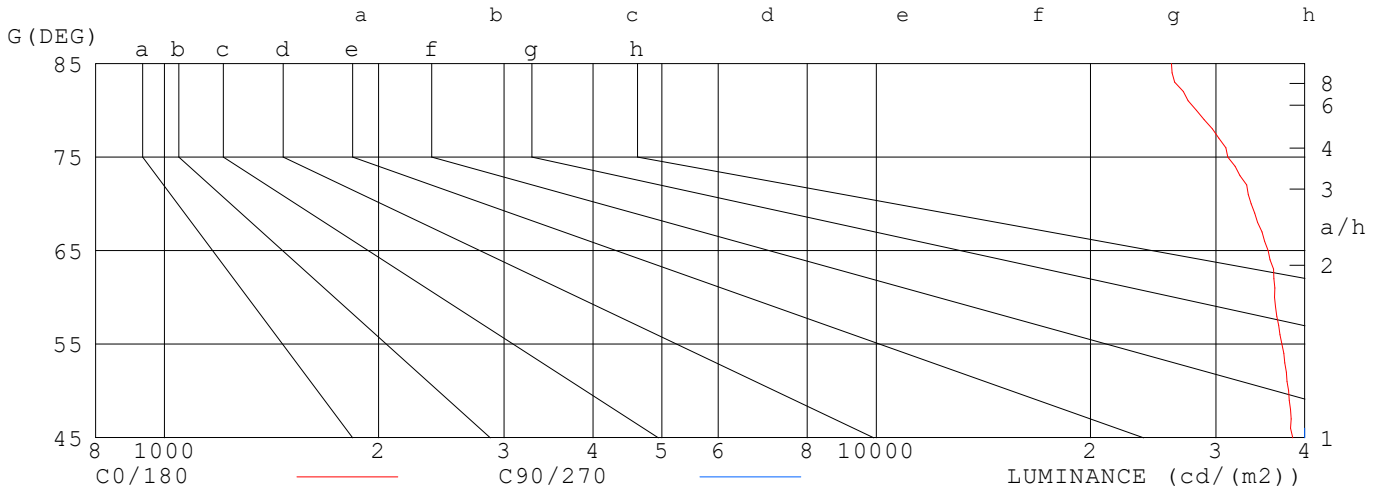
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	
SPECIFICATION: 4000K 68W 120D		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	25979	80145
80	28166	50600
75	31192	43585
70	33615	41213
65	35535	40762
60	36254	40490
55	37156	40294
50	37967	40061
45	38481	39984

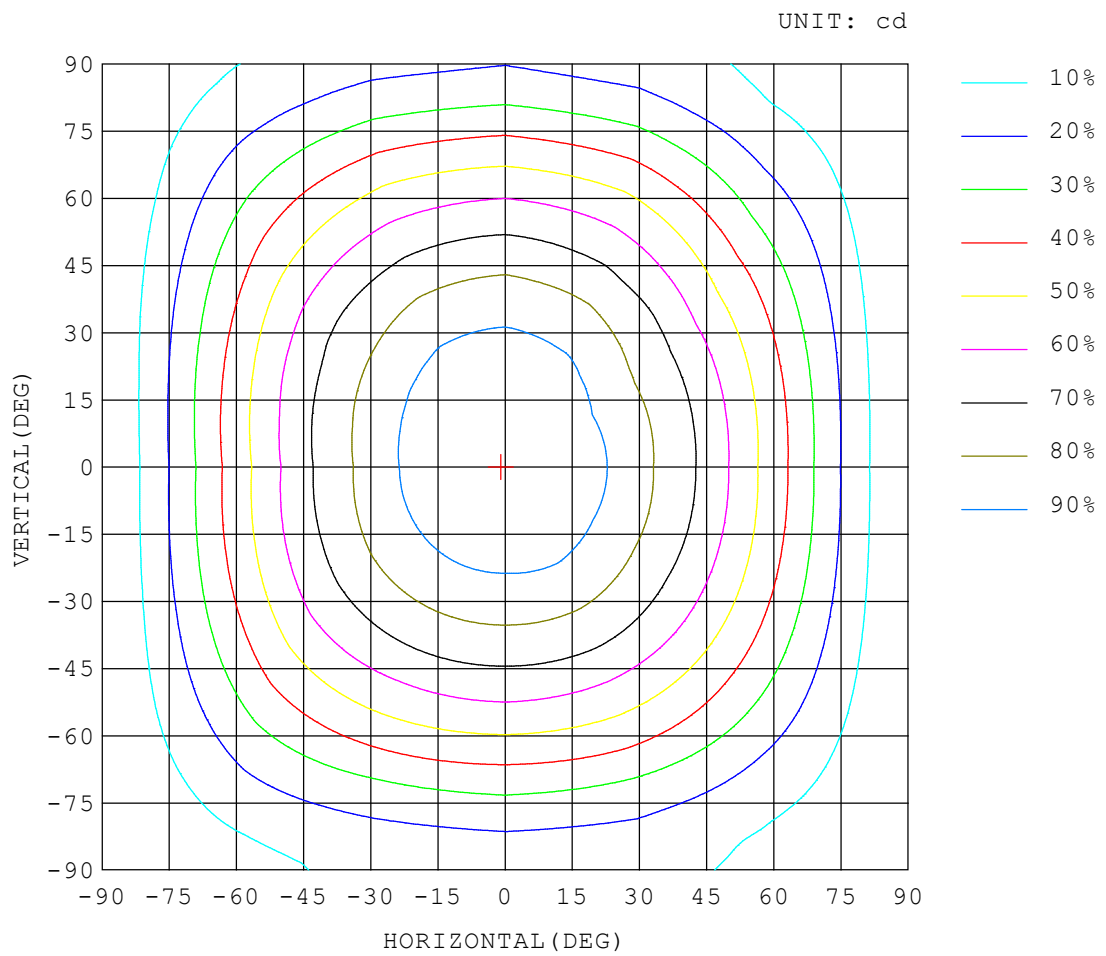
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:5-18-2022

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 68W 120D	CCT (K): 4000	DIMENSION:	SERIAL No.:



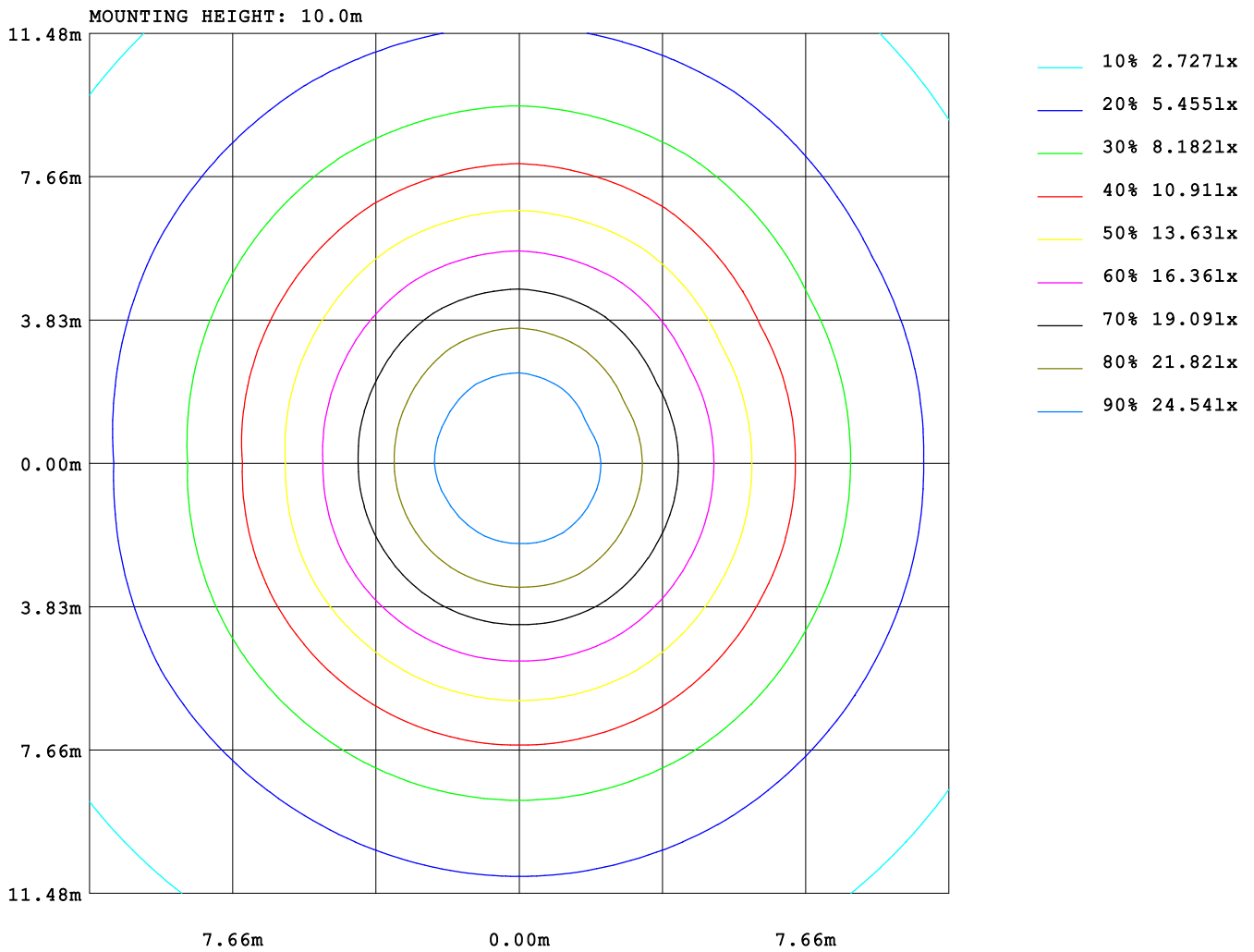
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:5-18-2022

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 68W 120D	CCT (K): 4000	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:5-18-2022

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 68W 120D	CCT (K): 4000	DIMENSION:	SERIAL No.:

		AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a					
VERTICAL (DEG)	90	0.26	1.44	3.59	6.51	9.92	13.6	16.7	18.8	20.2	20.0	18.1	15.6	12.2	8.33	4.98	2.63	1.11	0.22	174	165						
	80	0.32	1.95	5.20	9.85	15.2	21.0	25.9	29.3	31.4	31.2	28.5	24.7	19.2	13.1	7.72	3.88	1.52	0.27	271	267						
	70	0.38	2.56	7.11	13.6	21.2	29.0	35.9	40.7	43.4	43.1	39.9	34.7	27.1	18.8	11.3	5.69	2.06	0.33	377	375						
	60	0.45	3.16	8.94	17.2	26.7	36.3	44.8	50.8	54.2	53.9	50.0	43.6	34.3	24.3	14.8	7.61	2.66	0.39	475	473						
	50	0.51	3.70	10.5	20.2	31.4	42.6	52.8	59.9	63.8	63.4	58.9	51.1	40.4	28.8	18.1	9.37	3.26	0.45	560	559						
	40	0.55	4.14	11.8	22.7	35.3	47.8	58.8	67.2	71.4	71.1	66.3	57.2	45.4	32.6	20.9	10.8	3.77	0.50	629	628						
	30	0.58	4.45	12.7	24.4	37.9	51.2	63.2	72.4	77.0	76.7	71.4	61.2	49.0	35.9	23.0	12.0	4.17	0.53	678	678						
		0.59	4.61	13.2	25.3	39.4	53.2	65.8	75.2	80.2	79.9	74.0	63.9	51.6	38.2	24.4	12.7	4.42	0.56	708	707						
		0.59	4.59	13.2	25.3	39.7	53.8	66.8	76.5	81.5	81.0	75.5	65.8	53.1	39.2	25.0	13.0	4.50	0.56	720	720						
		0.58	4.55	13.1	25.2	39.4	53.4	66.4	76.0	80.7	80.9	75.6	65.8	53.0	39.1	24.9	13.0	4.49	0.56	717	717						
		0.57	4.48	12.9	24.7	38.6	52.2	64.4	73.4	78.1	78.3	73.3	63.7	51.4	37.9	24.2	12.6	4.36	0.55	696	696						
	-30	0.55	4.25	12.2	23.4	36.6	49.3	60.4	68.8	73.2	73.2	68.8	59.8	48.2	35.4	22.7	11.8	4.08	0.52	654	653						
	-40	0.51	3.87	11.1	21.4	33.3	44.7	54.6	62.0	66.0	66.0	62.1	54.2	43.7	31.9	20.4	10.5	3.65	0.48	591	590						
	-50	0.46	3.36	9.67	18.7	28.7	38.6	47.0	53.5	57.0	57.0	53.4	46.7	37.5	27.3	17.4	8.99	3.10	0.43	510	508						
	-60	0.40	2.76	7.91	15.3	23.4	31.4	38.4	43.6	46.5	46.4	43.4	38.0	30.5	22.1	13.9	7.14	2.50	0.38	415	413						
	-70	0.33	2.13	5.95	11.4	17.3	23.2	28.6	32.5	34.7	34.6	32.3	28.3	22.5	16.2	10.1	5.16	1.93	0.32	308	305						
	-80	0.27	1.54	4.00	7.50	11.4	15.2	18.5	21.1	22.7	22.7	21.1	18.5	14.8	10.6	6.61	3.55	1.44	0.27	202	196						
	-90	0.21	1.07	2.57	4.60	6.93	9.40	11.5	13.0	14.1	14.2	13.2	11.8	9.59	6.92	4.49	2.54	1.10	0.22	128	113						
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)										20	30	40	50	60	70	80	90
Φ t		8.10	58.7	166	318	493	667	821	936	997	994	927	805	645	467	296	153	54.2	7.55	9854							
Φ a		1.84	51.6	161	315	492	667	821	936	997	994	927	805	645	467	290	146	45.4	0.94		9187						

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:5-18-2022

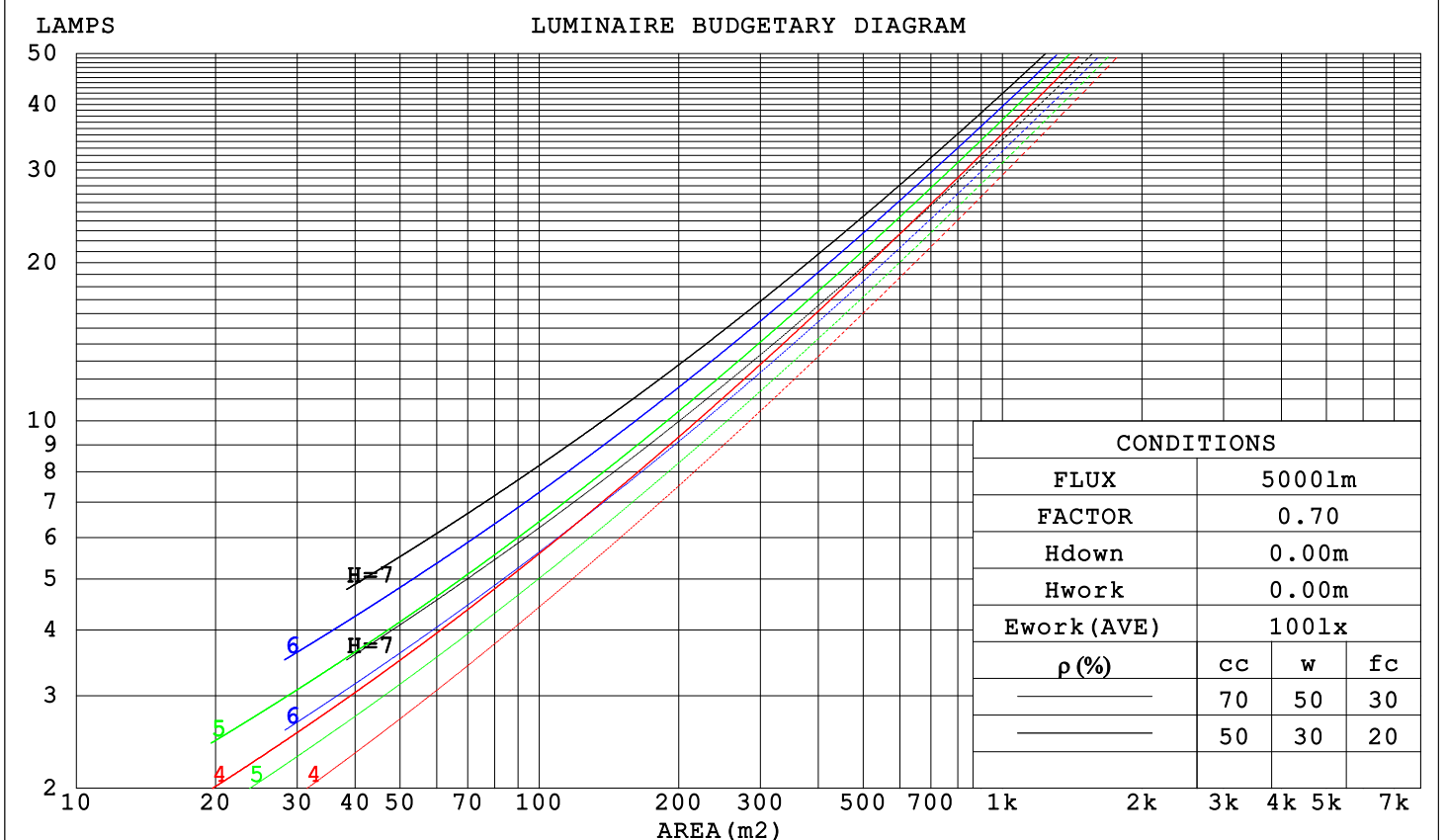
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:															
Address:															
NAME:								TYPE:				WEIGHT:			
SPECIFICATION: 4000K 68W 120D				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	1.05	1.05	1.05	.99	.99	.99	.92	.92	.92	.89
1.0	.00	.95	.90	.96	.92	.88	.90	.86	.83	.84	.81	.79	.79	.77	.75	.72
2.0	.86	.79	.72	.83	.76	.71	.78	.72	.67	.73	.68	.64	.68	.65	.61	.59
3.0	.75	.66	.59	.72	.65	.58	.68	.61	.56	.64	.58	.54	.60	.55	.51	.49
4.0	.66	.57	.50	.64	.55	.49	.60	.53	.47	.56	.50	.45	.53	.48	.44	.41
5.0	.59	.49	.43	.57	.48	.42	.54	.46	.40	.50	.44	.39	.48	.42	.38	.35
6.0	.53	.44	.37	.51	.43	.36	.48	.41	.35	.46	.39	.34	.43	.37	.33	.31
7.0	.48	.39	.32	.46	.38	.32	.44	.36	.31	.41	.35	.30	.39	.33	.29	.27
8.0	.43	.35	.29	.42	.34	.28	.40	.33	.28	.38	.31	.27	.36	.30	.26	.24
9.0	.40	.31	.26	.39	.31	.25	.37	.30	.25	.35	.29	.24	.33	.28	.23	.21
10.0	.37	.29	.23	.36	.28	.23	.34	.27	.22	.32	.26	.22	.31	.25	.21	.19



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:5-18-2022

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 68W 120D					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	.345	.196	.062	.335	.191	.061	.315	.181	.058	.297	.172	.055	.281	.163	.052	
2.0	.311	.171	.052	.302	.166	.051	.284	.158	.049	.268	.151	.047	.254	.143	.045	
3.0	.282	.150	.045	.274	.147	.044	.258	.140	.043	.244	.134	.041	.230	.128	.039	
4.0	.257	.134	.039	.250	.131	.039	.236	.125	.037	.223	.120	.036	.210	.114	.035	
5.0	.236	.120	.035	.229	.118	.034	.216	.113	.033	.205	.108	.032	.193	.103	.031	
6.0	.217	.109	.031	.211	.107	.031	.200	.102	.030	.189	.098	.029	.179	.094	.028	
7.0	.202	.100	.028	.196	.098	.028	.185	.094	.027	.176	.090	.026	.166	.086	.025	
8.0	.188	.092	.026	.183	.090	.025	.173	.086	.025	.164	.083	.024	.155	.080	.023	
9.0	.175	.085	.024	.171	.083	.023	.162	.080	.023	.154	.077	.022	.146	.074	.021	
10.0	.164	.079	.022	.160	.077	.022	.152	.075	.021	.145	.072	.020	.137	.069	.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	.264	.237	.213	.226	.203	.183	.154	.140	.127	.089	.081	.074	.028	.026	.024	
2.0	.256	.213	.177	.220	.184	.153	.151	.127	.107	.087	.074	.063	.028	.024	.020	
3.0	.249	.196	.155	.213	.169	.134	.146	.118	.094	.085	.069	.055	.027	.022	.018	
4.0	.241	.184	.140	.207	.159	.121	.142	.111	.085	.082	.065	.050	.027	.021	.017	
5.0	.234	.174	.129	.201	.150	.112	.138	.105	.079	.080	.062	.047	.026	.020	.016	
6.0	.227	.165	.122	.195	.143	.106	.134	.100	.075	.078	.059	.045	.025	.019	.015	
7.0	.220	.159	.116	.189	.138	.101	.131	.096	.072	.076	.057	.043	.024	.019	.014	
8.0	.213	.153	.112	.183	.133	.097	.127	.093	.069	.074	.055	.041	.024	.018	.014	
9.0	.207	.148	.109	.178	.129	.095	.123	.090	.067	.072	.053	.040	.023	.018	.013	
10.0	.201	.144	.106	.173	.125	.092	.120	.088	.066	.070	.052	.039	.023	.017	.013	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:5-18-2022

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 68W 120D			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	24.6	26.0	25.0	26.4	26.8	25.0	26.4	25.4	26.8	27.2
3H	26.1	27.5	26.6	27.9	28.3	26.8	28.1	27.3	28.6	29.0
4H	26.8	28.0	27.2	28.5	28.9	27.7	28.9	28.2	29.4	29.8
6H	27.2	28.4	27.7	28.8	29.3	28.5	29.7	29.0	30.2	30.7
8H	27.3	28.5	27.8	28.9	29.5	29.0	30.1	29.5	30.6	31.1
12H	27.4	28.5	27.9	29.0	29.5	29.5	30.6	30.0	31.1	31.6
4H 2H	25.3	26.5	25.7	27.0	27.4	25.6	26.8	26.1	27.3	27.8
3H	27.0	28.1	27.5	28.6	29.1	27.6	28.7	28.1	29.2	29.7
4H	27.8	28.8	28.3	29.3	29.8	28.6	29.6	29.1	30.1	30.7
6H	28.3	29.2	28.9	29.8	30.4	29.7	30.5	30.2	31.1	31.7
8H	28.5	29.4	29.1	29.9	30.5	30.2	31.0	30.8	31.6	32.2
12H	28.7	29.5	29.3	30.0	30.7	30.8	31.6	31.4	32.2	32.8
8H 4H	28.2	29.0	28.7	29.5	30.1	28.9	29.7	29.5	30.3	30.9
6H	28.9	29.6	29.5	30.2	30.8	30.2	30.9	30.8	31.4	32.1
8H	29.2	29.9	29.9	30.5	31.1	30.9	31.5	31.5	32.1	32.8
12H	29.5	30.1	30.1	30.7	31.4	31.7	32.3	32.4	32.9	33.6
12H 4H	28.2	29.0	28.8	29.6	30.2	28.9	29.7	29.5	30.2	30.9
6H	29.1	29.7	29.7	30.3	31.0	30.2	30.9	30.9	31.5	32.1
8H	29.5	30.0	30.1	30.6	31.3	31.0	31.6	31.7	32.2	32.9

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

CIE Pub.117 Corrected 9854 lm Total Lamp Luminous Flux. (8log(F/F0) = 7.9)

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:5-18-2022

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 68W 120D		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	49	39	32	26	
0.80	62	49	42	60	49	41	58	47	41	33	
1.00	70	58	50	68	57	49	65	58	48	40	
1.25	77	65	57	75	64	57	71	62	55	47	
1.50	82	71	63	80	69	62	75	67	60	51	
2.00	89	79	72	86	77	71	82	74	68	58	
2.50	93	84	77	90	82	76	85	78	73	62	
3.00	97	89	82	94	86	81	88	82	77	66	
4.00	101	94	89	98	92	87	92	87	83	71	
5.00	104	98	93	101	95	91	94	90	86	74	
ROOM INDEX	UF(total)									Direct	
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25			

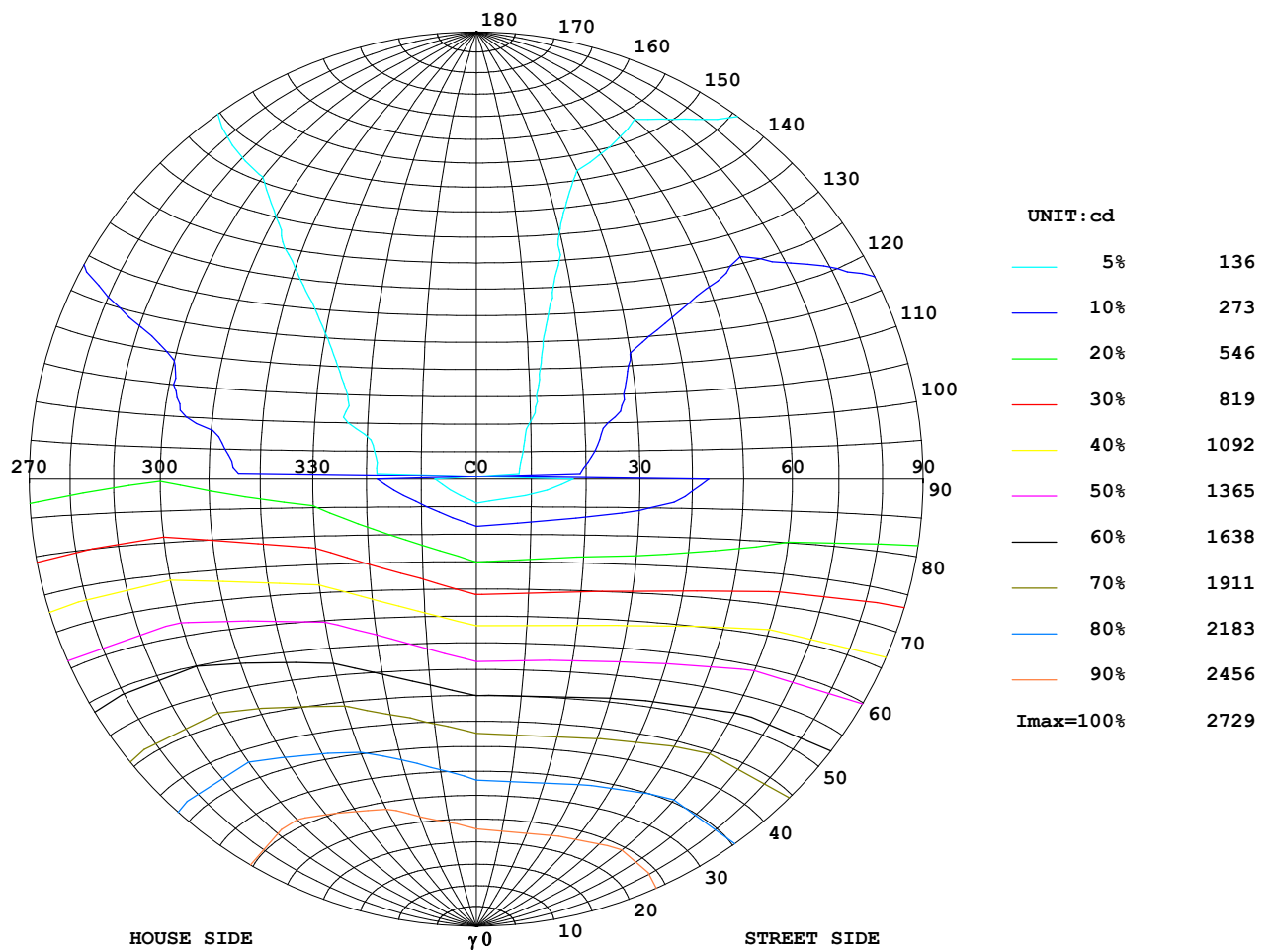
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:5-18-2022

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 68W 120D	CCT (K): 4000	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:5-18-2022

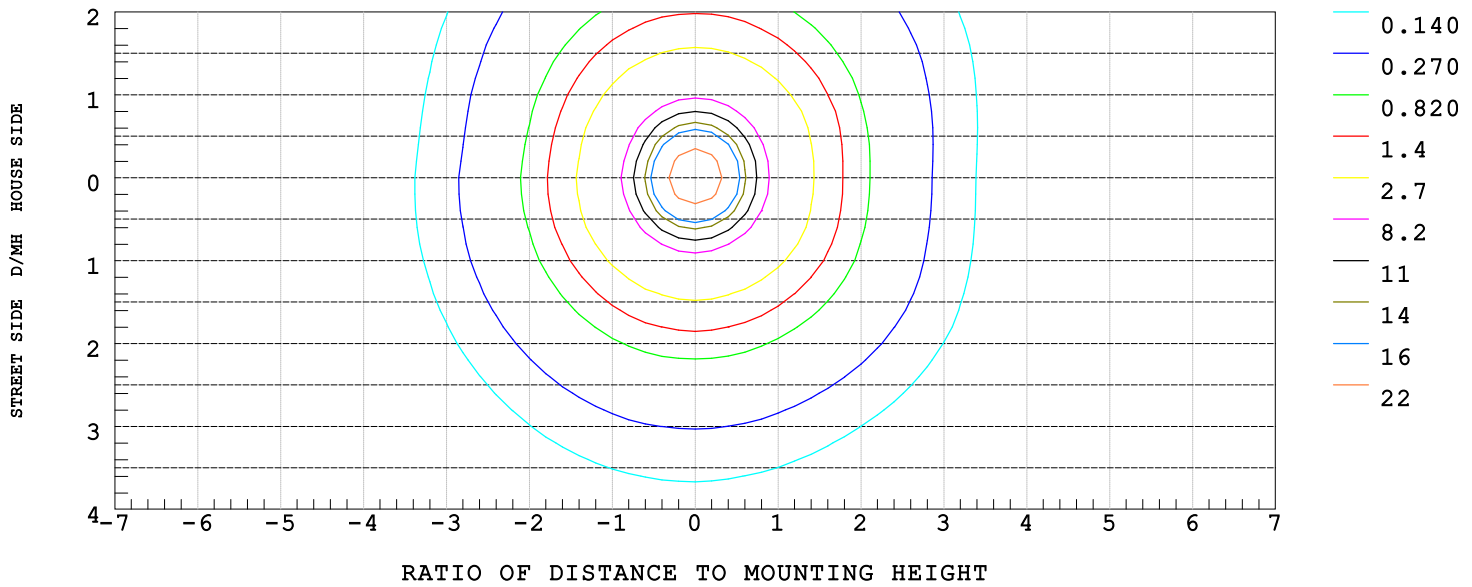
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION: 4000K 68W 120D	CCT (K): 4000	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 27.27 lx



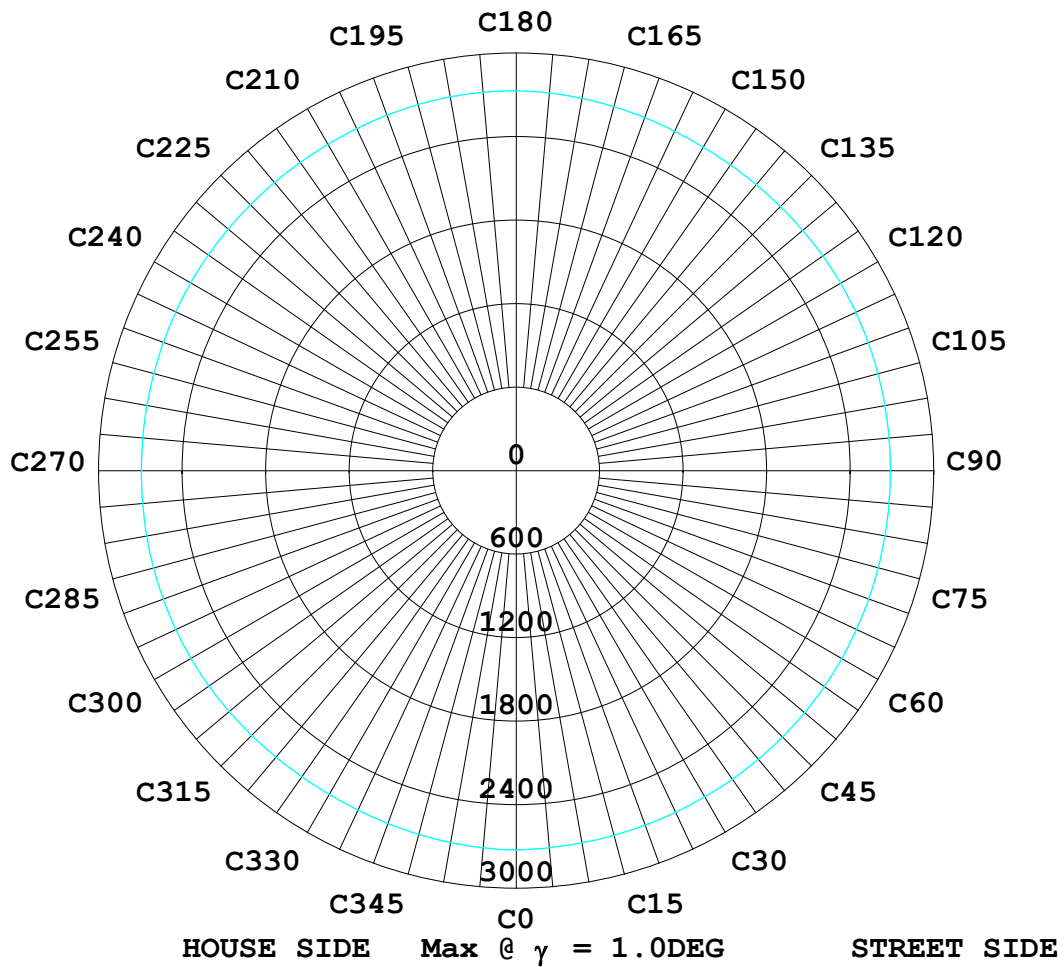
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:5-18-2022

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 68W 120D	CCT (K): 4000	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:5-18-2022

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 68W 120D	CCT (K) : 4000	DIMENSION:	SERIAL No. :

UNIT: cd

C (DEG) \ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	2728	2707	2698	2688	2694	2687	2728	2707	2698	2688	2694	2687
5.0	2717	2691	2690	2674	2682	2679	2712	2703	2703	2693	2685	2669
10.0	2670	2650	2658	2646	2651	2651	2675	2681	2690	2684	2678	2636
15.0	2600	2589	2607	2593	2597	2598	2617	2622	2661	2668	2644	2577
20.0	2517	2508	2534	2523	2529	2526	2525	2557	2615	2617	2585	2489
25.0	2402	2411	2444	2434	2435	2432	2417	2474	2550	2562	2518	2407
30.0	2277	2286	2329	2320	2322	2310	2295	2372	2463	2478	2428	2284
35.0	2136	2147	2197	2191	2193	2190	2139	2249	2354	2372	2321	2146
40.0	2002	1994	2053	2055	2052	2047	1995	2109	2233	2261	2190	2022
45.0	1823	1845	1890	1894	1893	1894	1834	1962	2092	2123	2046	1878
50.0	1635	1662	1706	1725	1713	1728	1639	1813	1933	1970	1884	1688
55.0	1428	1469	1522	1549	1532	1541	1436	1636	1769	1807	1717	1499
60.0	1215	1259	1333	1356	1345	1337	1216	1436	1586	1635	1544	1295
65.0	1006	1050	1136	1154	1145	1129	1008	1231	1398	1451	1352	1099
70.0	770	831	914	944	928	917	775	1029	1206	1254	1151	877
75.0	541	612	714	756	713	694	548	805	994	1050	941	660
80.0	328	399	548	589	544	480	334	597	788	854	735	457
85.0	152	262	417	468	402	294	158	402	606	673	556	286
90.0	39.7	204	361	406	342	192	35.1	267	469	537	428	200
95.0	47.5	191	336	378	315	165	45.1	218	391	453	359	181
100.0	45.5	161	293	353	270	150	44.2	198	355	409	325	161
105.0	43.5	159	277	333	259	137	42.2	178	308	370	292	153
110.0	39.2	149	270	314	253	130	39.2	172	295	349	279	144
115.0	37.5	139	252	292	237	122	37.5	162	279	328	264	136
120.0	35.1	125	231	267	215	107	35.4	146	260	306	242	127
125.0	34.5	110	209	241	196	90.5	35.7	129	237	279	222	117
130.0	34.0	95.2	183	215	173	80.8	34.5	120	215	249	199	106
135.0	33.1	81.0	165	190	141	68.4	34.0	109	190	225	190	92.6
140.0	31.7	66.6	141	162	116	60.1	32.3	98.1	159	203	168	80.8
145.0	31.2	54.7	116	135	95.4	51.7	32.4	87.0	132	178	145	69.3
150.0	31.5	42.0	92.0	107	77.4	42.3	33.0	75.8	110	153	122	57.2
155.0	31.6	33.2	68.5	80.2	60.7	35.7	32.5	63.5	89.6	125	97.0	46.3
160.0	30.1	28.7	45.7	55.8	42.0	29.1	30.1	50.4	72.1	96.0	74.2	37.0
165.0	29.4	28.2	32.7	35.1	31.7	27.7	29.4	40.7	53.2	69.5	52.2	30.3
170.0	28.6	27.7	29.0	27.7	28.6	27.7	29.1	32.9	37.5	45.6	36.1	28.7
175.0	28.5	27.5	28.6	27.5	28.2	27.7	28.9	28.9	28.0	30.7	27.1	28.2
180.0	28.7	27.7	28.0	27.4	27.7	27.5	28.7	28.4	27.4	28.9	27.1	28.2

Test System:HOPOO HPG1800
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 Remarks: