

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

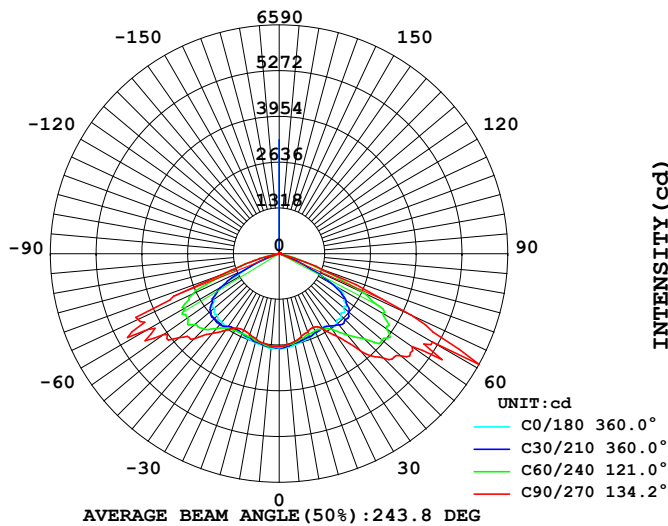
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

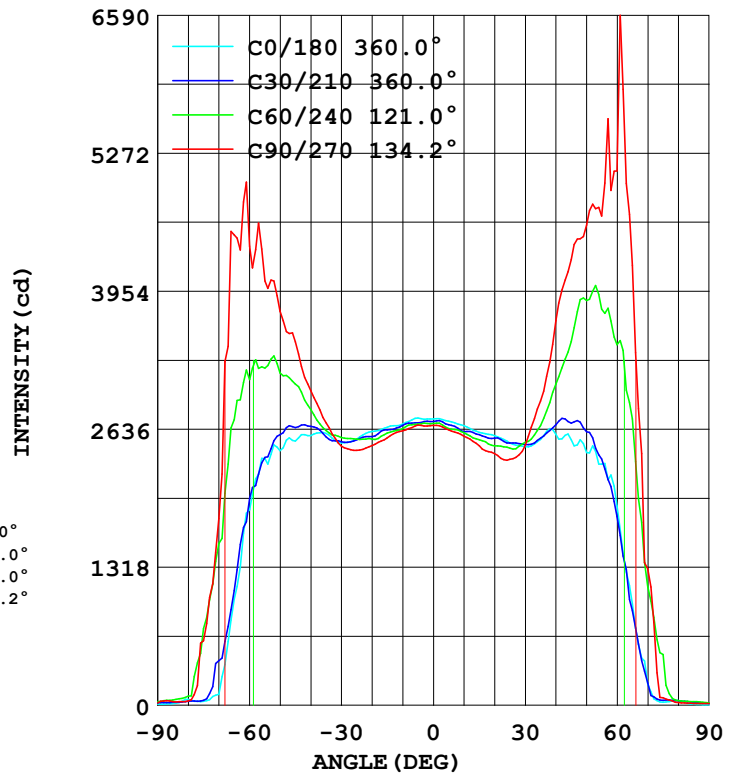
MANUFACTURER:		Address:	
NAME: STL-W100-60.120		TYPE:	WEIGHT:
SPECIFICATION:		DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	6590	S/MH (C0/180)	1.47
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.71
NOMINAL POWER (W)	100	TOTAL FLUX (lm)	11513	Voltage (V)	222.3
RATED VOLTAGE (V)	222	EFFICIENCY (lm/W)	114.4	Current (A)	0.456
NOMINAL FLUX (lm)	11513.4	η up (%)	1.0	Power (W)	100.5
LAMPS QUANTITY	1	η down (%)	99.0	Power Factor (PF)	0.992
TEST VOLTAGE (V)	222.3	Effective Flux (lm)	11175.4	EET	0.123

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System: HOPOO HPG1900
 Temperature: 25.3 DEG
 Operators:

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 6.760 m
 Remarks:

Color Temperature Data List

Report number:

MANUFACTURER:	Address:	
NAME: STL-W100-60.120	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

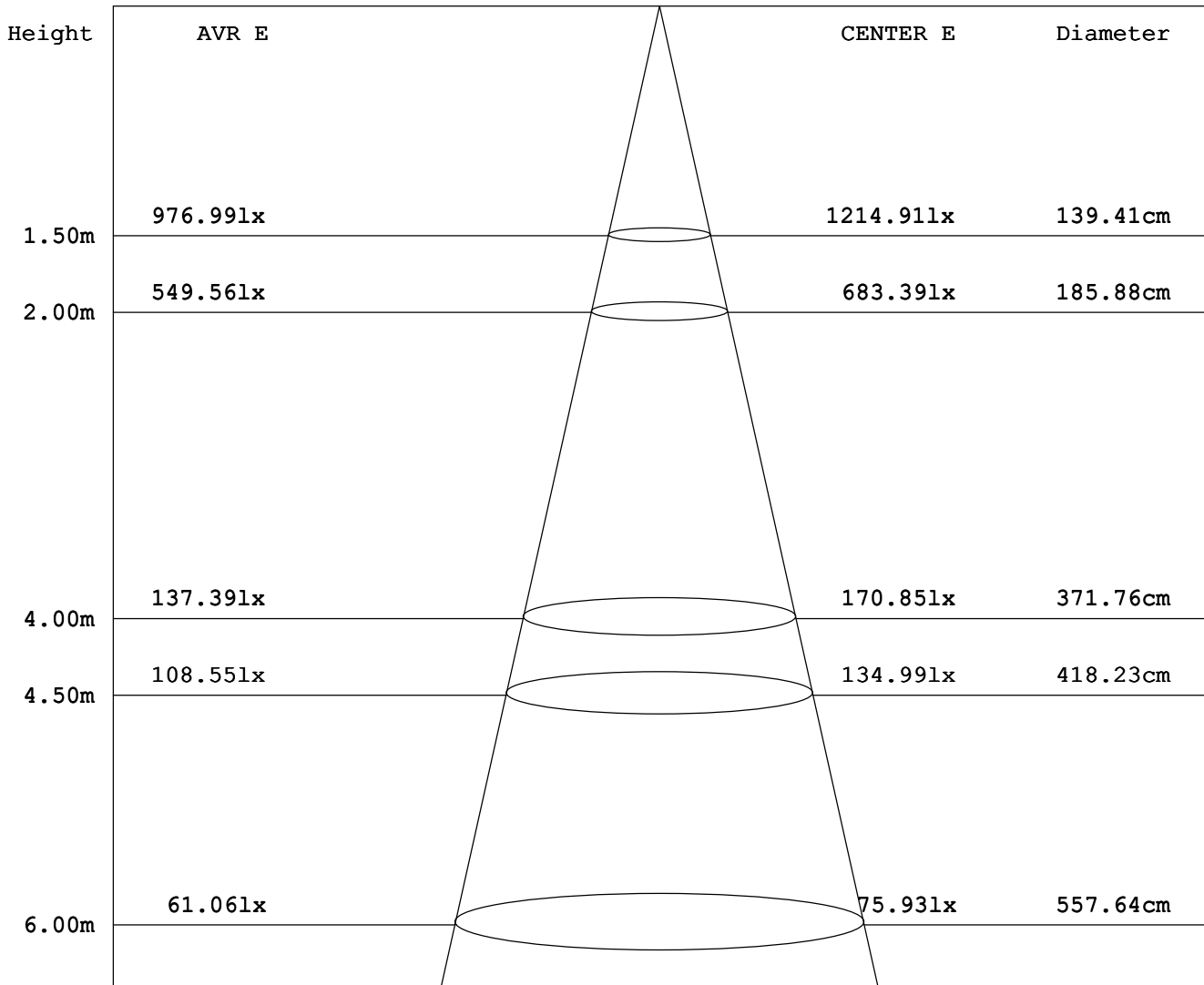
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.760 m
Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME: STL-W100-60.120	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Angle:49.8deg

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.760 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: STL-W100-60.120	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	2743	2691	2675	2624	2714	2661	2630	2623	0- 5	63.87	63.87
10.0	2686	2657	2620	2591	2671	2607	2569	2577	5- 10	189.0	252.9
15.0	2656	2615	2553	2536	2607	2559	2478	2514	10- 15	307.1	560.0
20.0	2616	2555	2481	2497	2575	2514	2405	2449	15- 20	416.9	977.0
25.0	2541	2538	2435	2462	2506	2480	2348	2437	20- 25	522.7	1500
30.0	2506	2538	2474	2474	2470	2500	2481	2433	25- 30	625.9	2126
35.0	2596	2594	2697	2541	2539	2611	2905	2585	30- 35	748.7	2874
40.0	2576	2744	3005	2687	2588	2873	3673	2823	35- 40	910.3	3785
45.0	2522	2858	3471	2880	2535	3083	4258	3161	40- 45	1097	4881
50.0	2433	2879	3765	2989	2412	3239	4588	3279	45- 50	1266	6147
55.0	2356	2794	4052	2925	2303	3068	4672	3137	50- 55	1380	7527
60.0	1866	2542	4384	2671	1902	2622	5102	2682	55- 60	1409	8936
65.0	1014	1912	4493	2194	967.6	1818	4200	2102	60- 65	1280	10216
70.0	104.9	984.7	1784	1225	202.6	673.5	1304	887.3	65- 70	776.6	10993
75.0	39.54	390.0	615.1	547.8	29.79	265.8	71.49	292.0	70- 75	293.1	11286
80.0	56.87	62.68	41.60	64.56	43.01	43.33	26.42	50.13	75- 80	79.35	11365
85.0	15.55	39.21	35.88	40.76	9.464	30.78	17.80	37.99	80- 85	21.72	11387
90.0	11.24	28.72	23.51	28.95	4.966	20.38	17.33	24.69	85- 90	15.33	11403
95.0	9.932	13.91	14.89	13.96	5.997	11.47	17.61	13.02	90- 95	8.806	11411
100.0	10.77	11.66	14.61	12.46	7.308	11.57	16.67	12.32	95-100	6.571	11418
105.0	11.90	13.58	17.71	14.80	9.089	12.88	19.11	13.16	100-105	6.887	11425
110.0	13.58	15.64	22.86	16.72	11.05	14.47	20.70	14.89	105-110	7.790	11433
115.0	15.18	17.19	21.36	17.61	12.46	15.69	21.36	16.07	110-115	8.331	11441
120.0	16.39	18.22	21.92	18.55	13.96	16.77	21.83	16.81	115-120	8.468	11449
125.0	17.33	18.88	22.39	19.25	15.08	18.69	22.30	18.31	120-125	8.504	11458
130.0	18.27	19.67	22.58	19.63	16.58	19.02	22.77	19.34	125-130	8.391	11466
135.0	19.39	20.42	22.95	20.09	17.52	19.72	23.05	19.91	130-135	8.053	11474
140.0	19.95	20.89	23.33	20.75	18.92	20.56	23.70	20.56	135-140	7.635	11482
145.0	20.52	21.41	22.95	21.13	19.86	21.08	23.70	20.89	140-145	7.057	11489
150.0	21.45	21.36	22.30	21.13	20.89	21.27	23.23	20.94	145-150	6.295	11495
155.0	21.92	21.69	21.92	21.03	21.36	21.50	22.48	21.13	150-155	5.433	11501
160.0	22.20	21.36	21.45	21.17	21.83	21.55	22.30	21.27	155-160	4.518	11505
165.0	23.05	21.59	21.55	21.22	21.92	21.78	22.30	21.22	160-165	3.562	11509
170.0	22.95	21.50	21.17	20.94	22.02	21.36	21.36	21.13	165-170	2.566	11511
175.0	22.58	21.03	20.89	20.56	21.73	20.94	21.27	20.66	170-175	1.523	11513
180.0	22.20	20.94	20.70	20.56	22.11	20.89	21.36	20.33	175-180	0.502	11513
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.760 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

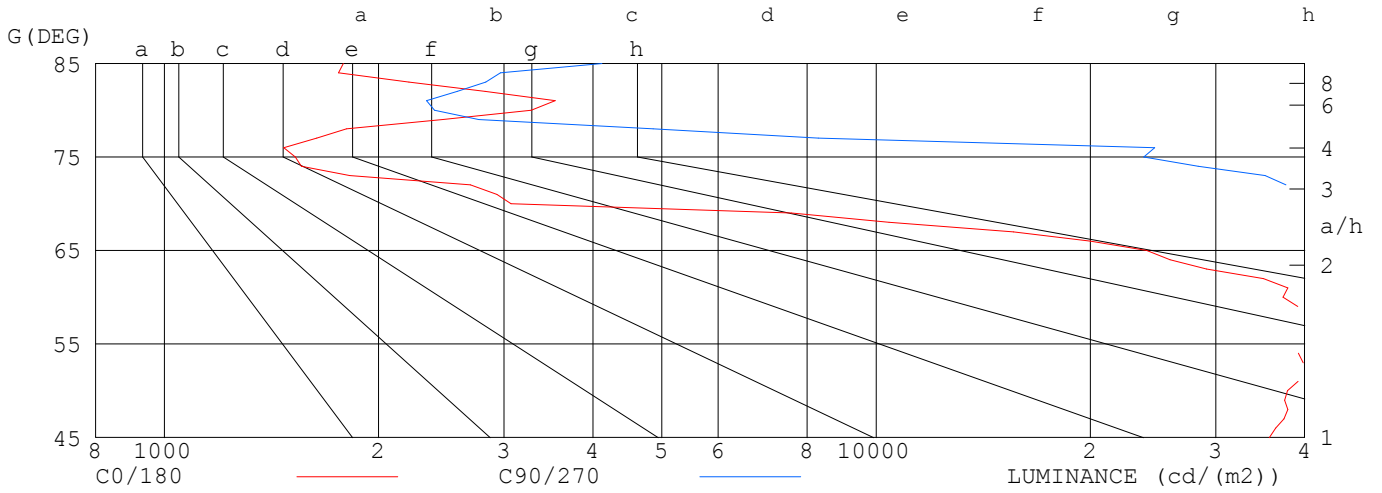
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		Address:	
NAME: STL-W100-60.120		TYPE:	WEIGHT:
SPECIFICATION:		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	1785	4118
80	3276	2396
75	1528	23768
70	3069	52170
65	23990	106302
60	37319	87679
55	41076	70647
50	37845	58575
45	35671	49093

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 Temperature:25.3DEG
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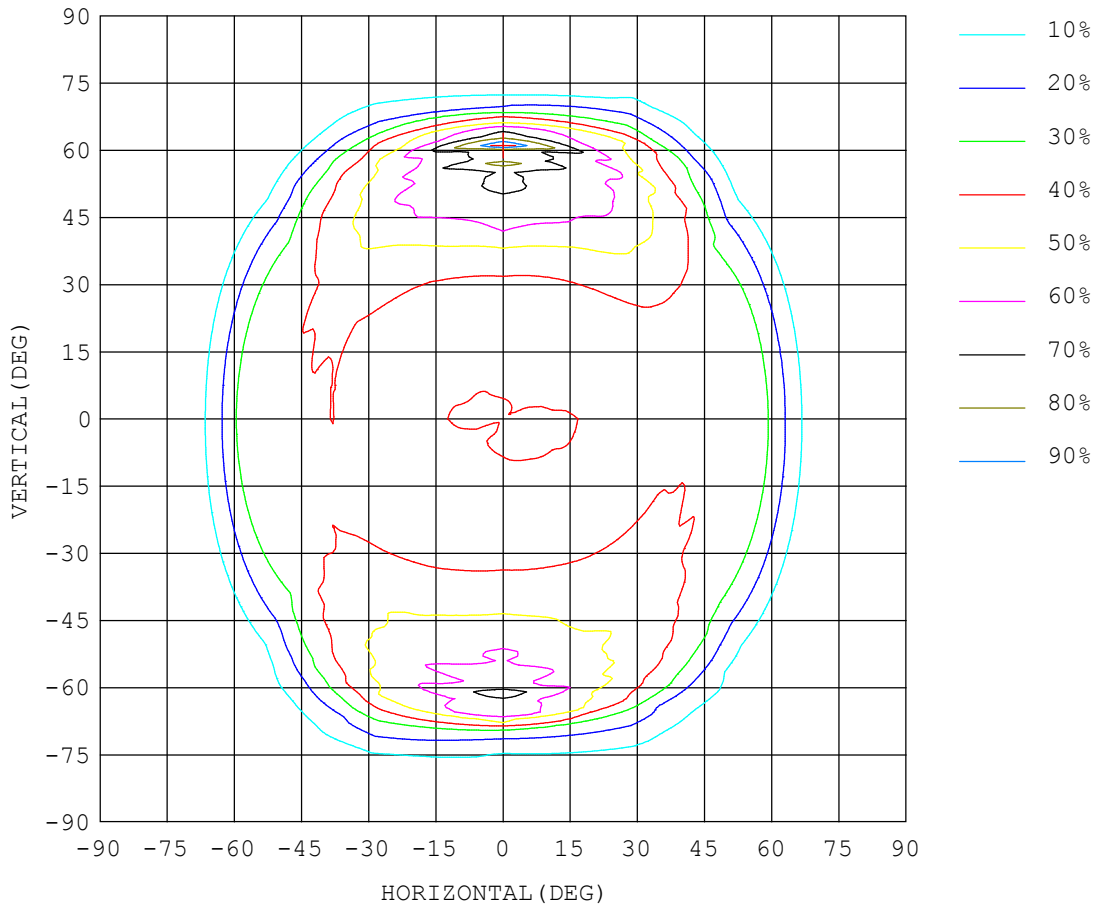
HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: STL-W100-60.120	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

UNIT: cd



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:

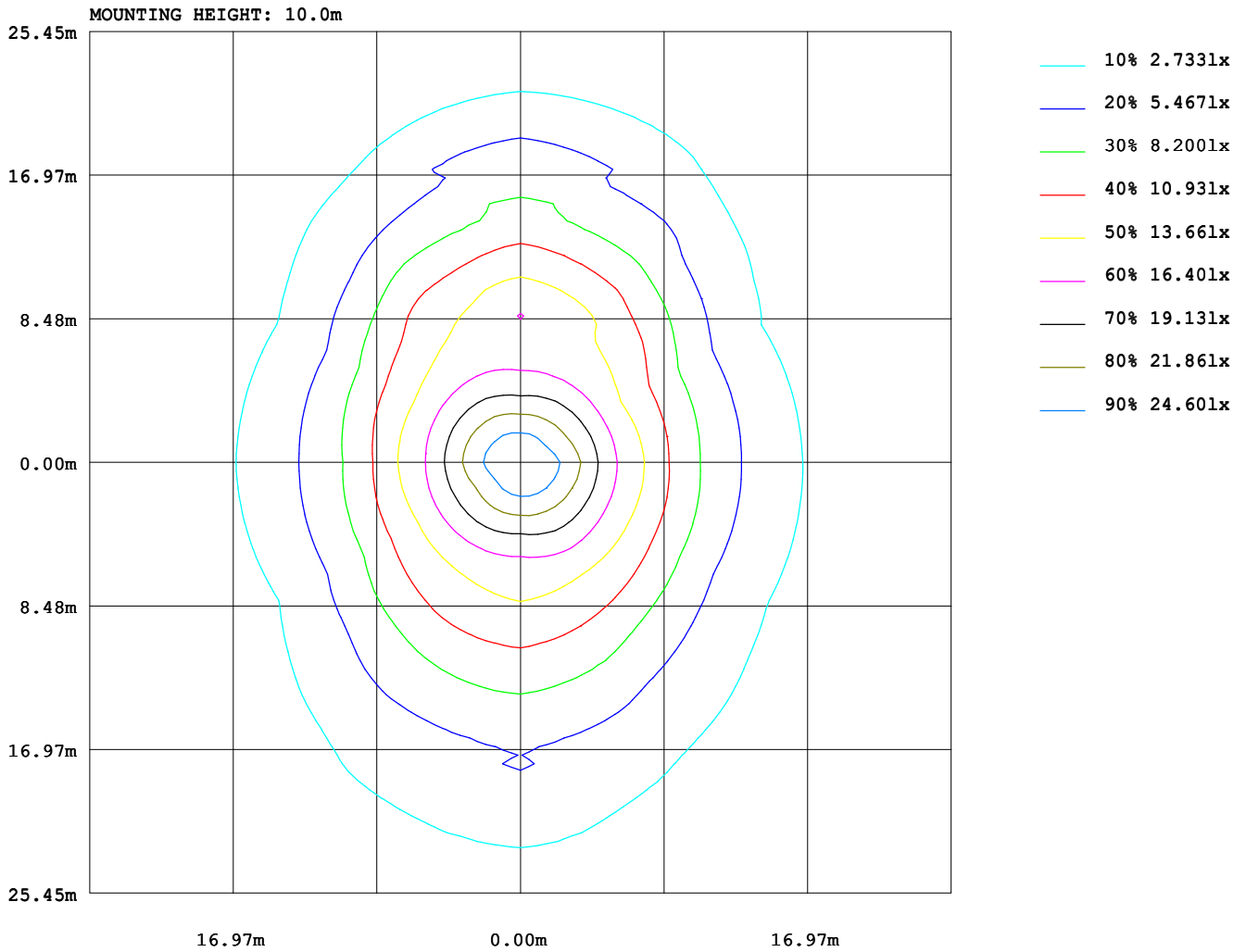
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.760 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: STL-W100-60.120	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.760 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:		Address:																	
NAME: STL-W100-60.120		TYPE:												WEIGHT:					
SPECIFICATION:		DIMENSION:												SERIAL No.:					

		AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a				
90		0.02	0.11	0.25	0.44	0.62	0.79	0.85	0.78	0.66	0.70	0.88	1.01	0.96	0.77	0.56	0.35	0.16	0.04	9.95	0.00						
80		0.02	0.13	0.38	0.68	1.25	3.73	7.24	9.24	10.0	10.8	11.1	9.61	5.23	1.73	0.79	0.46	0.19	0.04	72.8	30.1						
70		0.03	0.20	0.55	1.38	8.12	26.6	54.2	83.6	110	113	90.4	64.9	33.3	10.2	1.65	0.61	0.25	0.04	599	578						
60		0.03	0.28	0.61	4.15	26.6	64.0	99.1	125	142	143	129	105	69.6	29.6	4.54	0.65	0.34	0.05	945	933						
50		0.04	0.32	1.39	13.4	44.1	77.2	102	114	124	124	117	104	78.4	44.5	13.3	1.40	0.36	0.05	960	950						
40		0.04	0.32	4.18	25.5	51.7	74.7	84.7	87.1	88.8	88.9	88.0	85.9	73.9	50.6	25.4	4.01	0.36	0.06	835	828						
30		0.05	0.34	7.85	34.1	55.1	67.9	72.0	73.4	73.2	72.7	72.2	70.8	65.6	53.8	33.9	7.73	0.39	0.07	762	756						
		0.06	0.41	11.0	38.4	55.7	64.8	68.8	73.7	75.7	75.0	72.2	67.5	63.3	54.8	38.2	11.1	0.44	0.08	772	767						
		0.06	0.48	12.8	39.9	54.9	63.6	69.1	76.0	80.0	79.2	75.5	69.3	63.5	54.7	39.8	13.2	0.46	0.08	793	789						
		0.06	0.51	12.9	39.8	54.6	63.3	68.7	75.0	79.4	81.1	77.1	70.0	64.1	55.0	40.0	13.4	0.49	0.08	796	792						
		0.06	0.48	11.3	38.3	54.7	63.4	68.0	73.1	76.9	77.7	75.1	69.6	65.0	55.3	38.8	11.8	0.49	0.08	781	776						
-30		0.05	0.38	8.53	34.0	53.9	65.2	69.9	72.9	74.5	75.3	74.9	71.7	66.7	54.6	35.4	8.71	0.41	0.07	768	762						
-40		0.05	0.34	5.11	26.3	50.5	69.8	78.3	80.3	81.8	82.2	81.0	78.4	69.3	51.4	28.1	5.06	0.35	0.06	789	782						
-50		0.04	0.33	2.31	15.3	44.8	73.2	91.0	98.4	102	101	95.6	86.4	70.0	45.5	16.4	2.23	0.33	0.05	845	835						
-60		0.03	0.29	0.75	7.12	33.1	68.8	97.7	113	123	121	107	88.2	62.8	30.5	6.88	0.69	0.30	0.04	861	849						
-70		0.03	0.21	0.57	2.55	15.8	42.8	74.0	96.6	114	112	88.0	61.1	33.5	12.2	1.94	0.52	0.21	0.04	657	640						
-80		0.03	0.16	0.43	0.93	3.46	10.7	19.2	22.0	22.0	20.6	18.0	13.8	7.31	2.38	0.73	0.36	0.16	0.04	143	99.4						
-90		0.03	0.14	0.34	0.58	0.83	1.11	1.31	1.30	1.20	1.21	1.33	1.36	1.14	0.80	0.51	0.30	0.15	0.04	13.7	0.00						
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)										20	30	40	50	60	70	80	90
Φ t		0.71	5.41	81.4	323	610	902	1127	1277	1380	1380	1275	1120	894	609	327	82.7	5.81	1.01	11513							
Φ a		0.00	0.00	53.9	302	592	889	1116	1267	1371	1370	1263	1107	879	591	307	59.4	0.00	0.00		11175						

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.760 m
 Remarks:

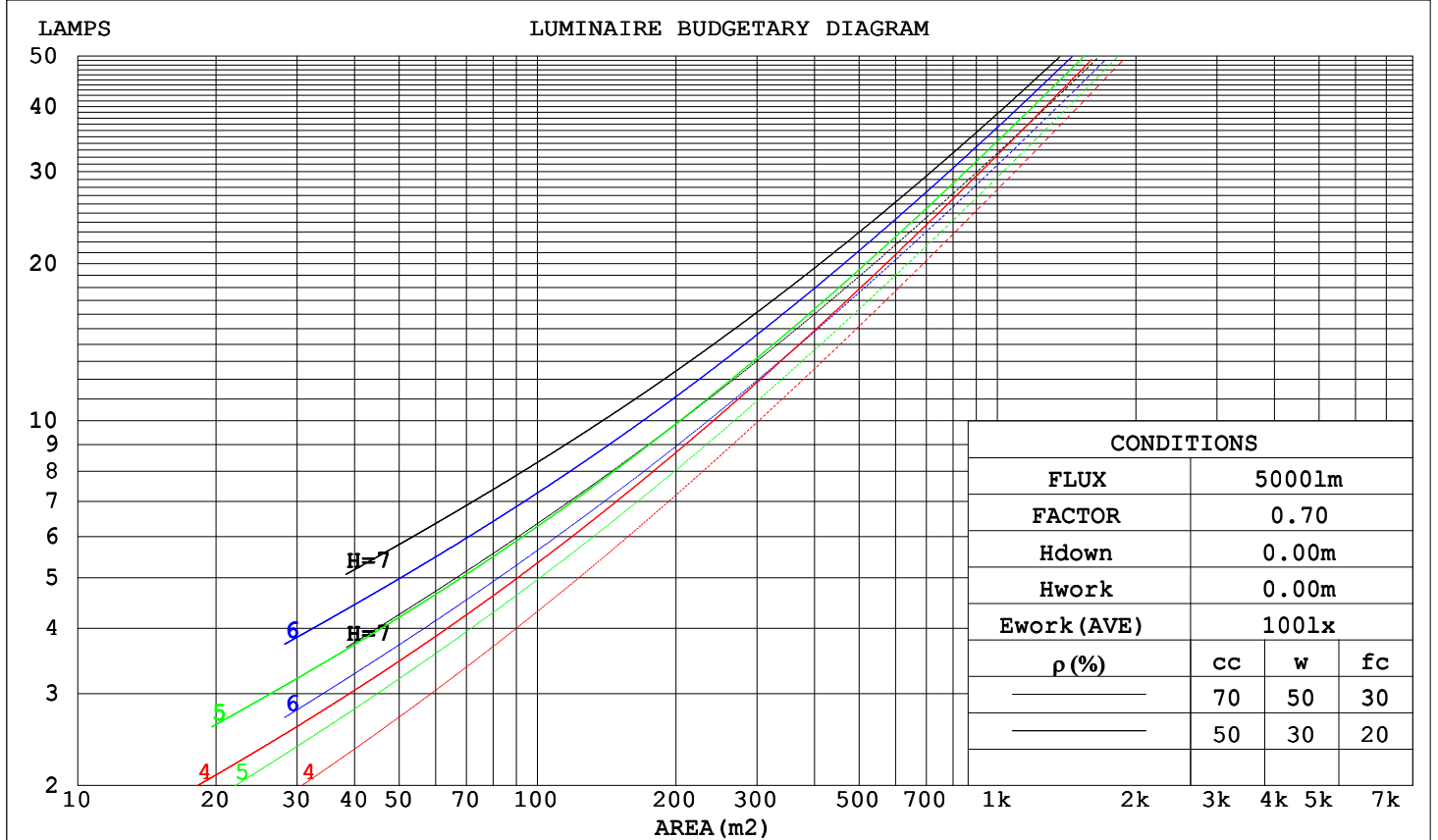
HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:				Address:							
NAME: STL-W100-60.120				TYPE:				WEIGHT:			
SPECIFICATION:				DIMENSION:				SERIAL No.:			

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.04	.90	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.81	.76	.84	.78	.74	.80	.76	.72	.77	.74	.70	.68
3.0	.77	.69	.62	.76	.68	.61	.73	.66	.60	.70	.64	.59	.67	.62	.58	.55
4.0	.67	.58	.51	.66	.57	.50	.63	.56	.50	.61	.54	.49	.58	.53	.48	.46
5.0	.59	.49	.42	.58	.49	.42	.56	.48	.42	.53	.46	.41	.51	.45	.40	.38
6.0	.52	.43	.36	.51	.42	.36	.49	.41	.35	.47	.40	.35	.46	.39	.34	.32
7.0	.47	.37	.31	.46	.37	.31	.44	.36	.30	.43	.35	.30	.41	.35	.30	.28
8.0	.42	.33	.27	.41	.33	.27	.40	.32	.26	.39	.31	.26	.37	.31	.26	.24
9.0	.38	.30	.24	.38	.29	.24	.36	.29	.23	.35	.28	.23	.34	.28	.23	.21
10.0	.35	.27	.21	.34	.26	.21	.33	.26	.21	.32	.25	.21	.31	.25	.20	.19



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.760 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Report number:

MANUFACTURER:				Address:											
NAME: STL-W100-60.120				TYPE:						WEIGHT:					
SPECIFICATION:				DIMENSION:						SERIAL No.:					

ρcc	80%			70%			50%			30%			10%			0	
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.303	.172	.055	.295	.168	.054	.282	.162	.052	.269	.155	.050	.257	.149	.048		
2.0	.297	.163	.050	.291	.160	.049	.279	.155	.048	.267	.150	.047	.257	.145	.046		
3.0	.281	.150	.045	.275	.147	.044	.264	.143	.044	.254	.139	.043	.245	.136	.042		
4.0	.262	.136	.040	.257	.135	.040	.247	.131	.039	.238	.128	.039	.230	.125	.038		
5.0	.244	.124	.036	.239	.123	.036	.230	.120	.035	.222	.117	.035	.214	.115	.034		
6.0	.226	.113	.032	.222	.112	.032	.214	.110	.032	.207	.108	.032	.200	.105	.031		
7.0	.210	.104	.029	.207	.103	.029	.200	.101	.029	.193	.099	.029	.187	.097	.029		
8.0	.196	.096	.027	.193	.095	.027	.187	.093	.027	.181	.092	.026	.175	.090	.026		
9.0	.183	.089	.025	.180	.088	.025	.175	.086	.024	.169	.085	.024	.164	.083	.024		
10.0	.172	.083	.023	.169	.082	.023	.164	.080	.023	.159	.079	.022	.155	.078	.022		

ρcc	80%			70%			50%			30%			10%			0	
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0																	
1.0	.198	.198	.198	.169	.169	.169	.115	.115	.115	.066	.066	.066	.021	.021	.021		
2.0	.187	.164	.142	.160	.140	.122	.110	.097	.085	.063	.056	.049	.020	.018	.016		
3.0	.180	.139	.105	.155	.120	.091	.106	.083	.063	.061	.048	.037	.020	.016	.012		
4.0	.174	.122	.080	.149	.105	.070	.102	.073	.049	.059	.043	.029	.019	.014	.009		
5.0	.168	.109	.064	.144	.094	.055	.099	.066	.039	.057	.038	.023	.018	.012	.008		
6.0	.161	.099	.053	.138	.085	.046	.095	.060	.032	.055	.035	.019	.018	.011	.006		
7.0	.154	.091	.045	.132	.078	.039	.091	.055	.028	.053	.032	.016	.017	.011	.005		
8.0	.147	.084	.039	.127	.073	.034	.088	.051	.024	.051	.030	.014	.016	.010	.005		
9.0	.141	.078	.035	.121	.068	.030	.084	.048	.022	.049	.028	.013	.016	.009	.004		
10.0	.135	.073	.032	.116	.064	.028	.080	.045	.020	.047	.026	.012	.015	.009	.004		
10.0	.129	.069	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.015	.008	.004		

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.760 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

Uncorrected UGR Table

Report number:

MANUFACTURER:					Address:					
NAME: STL-W100-60.120					TYPE:			WEIGHT:		
SPECIFICATION:					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	25.7	27.3	26.0	27.5	27.8	29.5	31.1	29.8	31.4	31.6
	3H	25.8	27.3	26.1	27.6	27.8	31.6	33.1	32.0	33.4	33.6
	4H	25.7	27.1	26.0	27.4	27.7	31.7	33.1	32.1	33.4	33.7
	6H	25.6	26.9	26.0	27.2	27.5	31.6	32.9	32.0	33.2	33.5
	8H	25.6	26.8	25.9	27.1	27.4	31.6	32.8	31.9	33.1	33.5
	12H	25.5	26.7	25.9	27.0	27.4	31.5	32.7	31.9	33.1	33.4
4H	2H	26.7	28.1	27.0	28.4	28.7	29.8	31.2	30.1	31.5	31.7
	3H	26.8	28.1	27.2	28.4	28.7	31.9	33.1	32.2	33.4	33.7
	4H	26.8	27.9	27.1	28.2	28.6	32.0	33.1	32.4	33.5	33.8
	6H	26.7	27.6	27.1	28.0	28.4	31.9	32.9	32.4	33.3	33.7
	8H	26.6	27.5	27.1	27.9	28.3	31.9	32.8	32.3	33.2	33.6
	12H	26.6	27.4	27.0	27.8	28.2	31.9	32.7	32.3	33.1	33.5
8H	4H	26.9	27.8	27.3	28.2	28.6	31.9	32.8	32.3	33.2	33.6
	6H	26.8	27.6	27.3	28.0	28.5	31.9	32.6	32.3	33.0	33.5
	8H	26.8	27.5	27.3	27.9	28.4	31.8	32.5	32.3	32.9	33.4
	12H	26.8	27.3	27.3	27.8	28.3	31.8	32.3	32.3	32.8	33.3
12H	4H	26.9	27.7	27.3	28.1	28.5	31.9	32.7	32.3	33.1	33.5
	6H	26.8	27.5	27.3	27.9	28.4	31.8	32.5	32.3	32.9	33.4
	8H	26.8	27.3	27.3	27.8	28.3	31.8	32.3	32.3	32.8	33.3

Variations with the observer position at spacings:

S = 1.0H	+ 0.4 / - 0.8	+ 0.4 / - 0.4
1.5H	+ 0.9 / - 1.3	+ 1.3 / - 0.6
2.0H	+ 0.6 / - 1.4	+ 2.4 / - 2.2

CIE Pub.117 Corrected 11513 lm Total Lamp Luminous Flux. (8log(F/F0) = 8.5)

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.760 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:	Address:		
NAME: STL-W100-60.120	TYPE:	WEIGHT:	
SPECIFICATION:	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	50	37	29	49	36	29	47	36	29	21
0.80	61	48	40	60	47	39	58	47	39	31
1.00	71	59	50	70	58	50	67	60	50	42
1.25	79	68	60	77	67	59	75	65	58	50
1.50	85	74	66	83	73	66	80	71	65	57
2.00	93	84	77	91	83	76	87	80	75	66
2.50	97	89	83	95	88	82	91	85	80	71
3.00	101	94	88	99	93	87	95	89	85	76
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	98	95	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

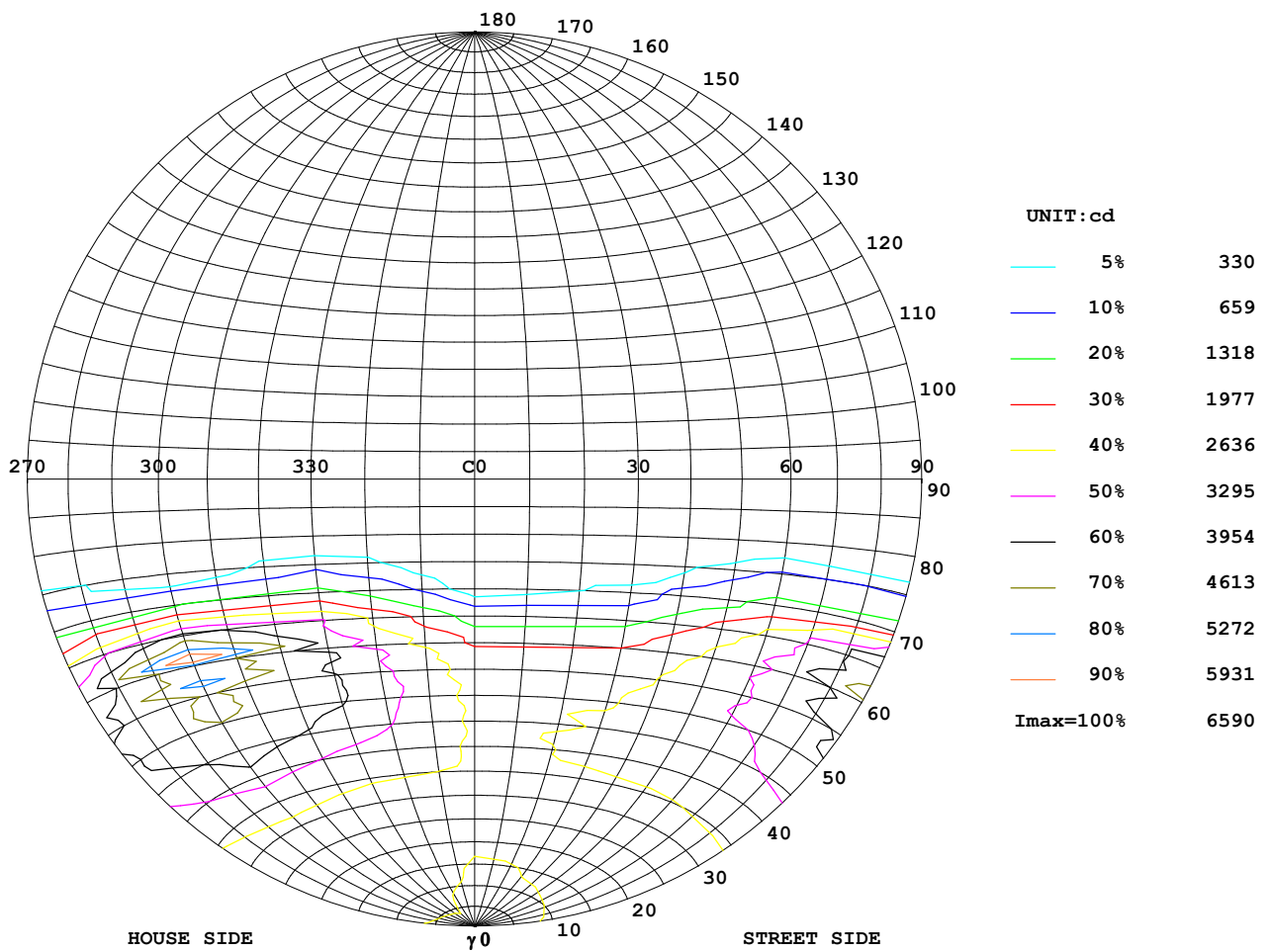
Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.760 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: STL-W100-60.120	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.760 m
 Remarks:

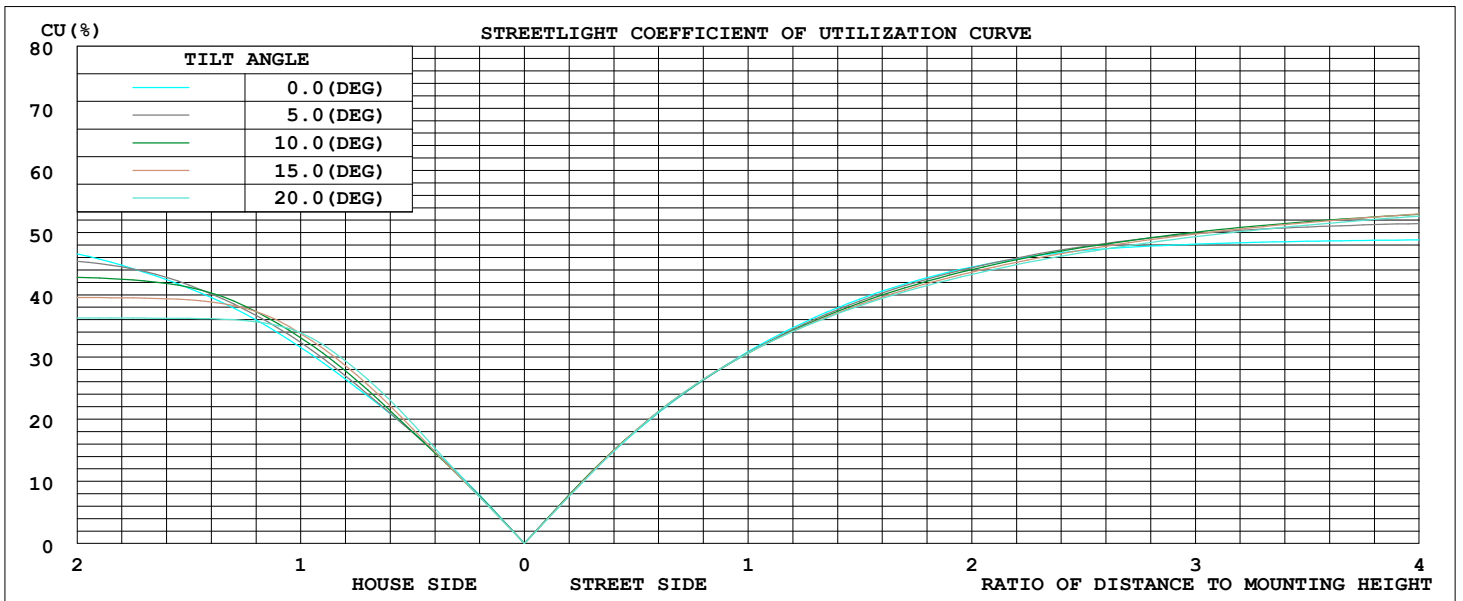
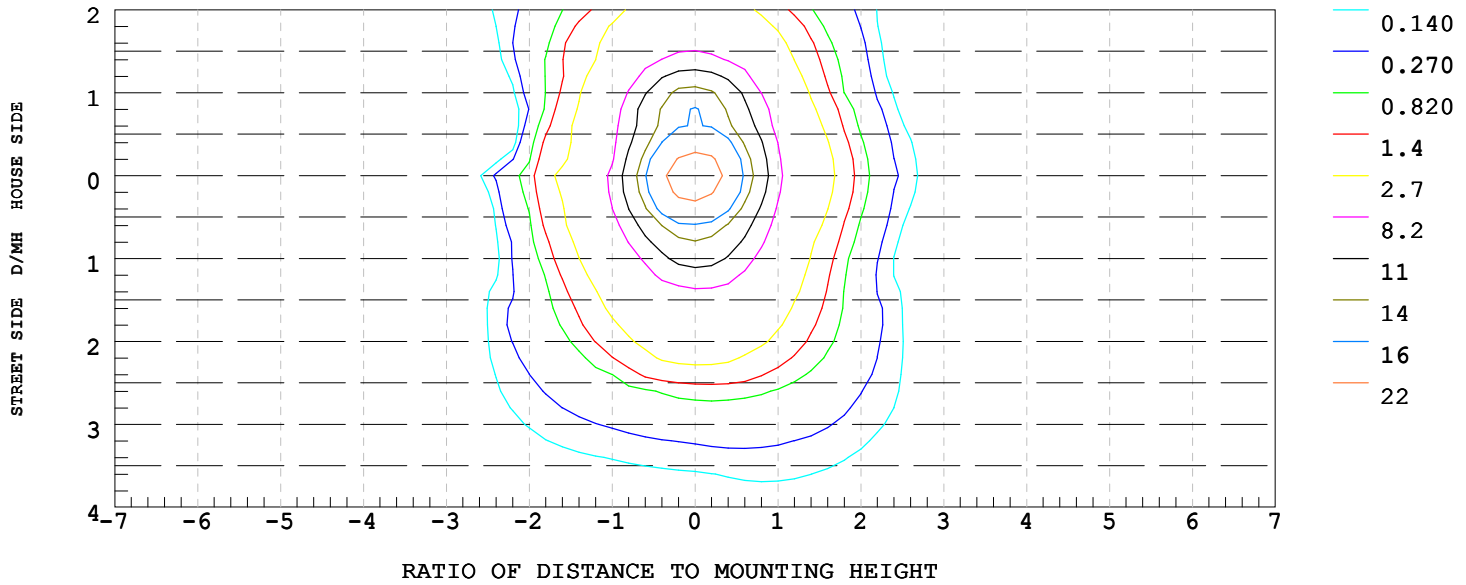
HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: STL-W100-60.120	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 27.34 lx



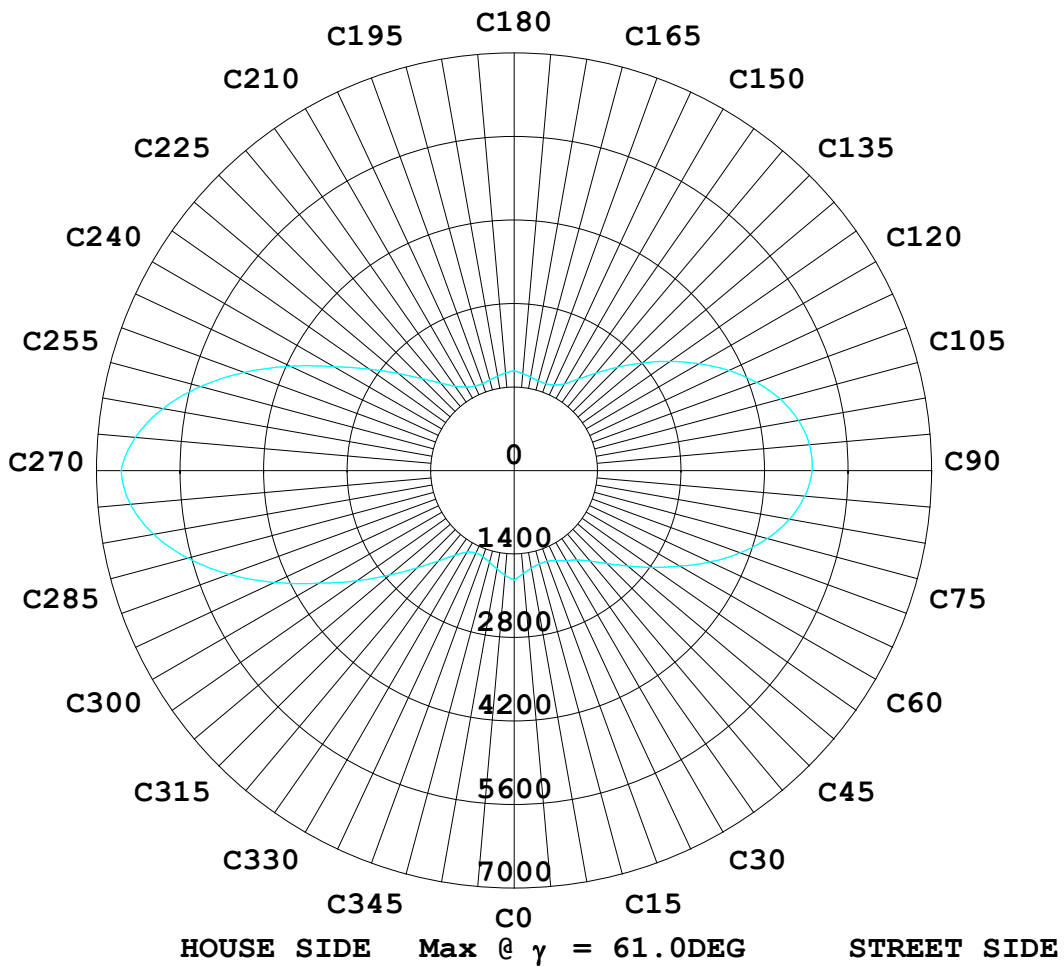
Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.760 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: STL-W100-60.120	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.760 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	Address:	
NAME: STL-W100-60.120	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG)	C (DEG)											
	0	30	60	90	120	150	180	210	240	270	300	330
0.0	2734	2708	2691	2672	2650	2627	2734	2708	2691	2672	2650	2627
5.0	2743	2697	2684	2675	2642	2605	2714	2679	2643	2630	2624	2622
10.0	2686	2672	2642	2620	2600	2581	2671	2613	2602	2569	2578	2577
15.0	2656	2632	2599	2553	2556	2515	2607	2583	2535	2478	2493	2535
20.0	2616	2566	2543	2481	2495	2498	2575	2550	2478	2405	2429	2468
25.0	2541	2534	2542	2435	2470	2453	2506	2505	2455	2348	2405	2470
30.0	2506	2518	2558	2474	2474	2474	2470	2489	2511	2481	2446	2420
35.0	2596	2563	2624	2697	2588	2493	2539	2551	2671	2905	2710	2460
40.0	2576	2662	2825	3005	2796	2578	2588	2680	3066	3673	3068	2577
45.0	2522	2650	3066	3471	3139	2621	2535	2694	3473	4258	3717	2605
50.0	2433	2583	3175	3765	3427	2551	2412	2612	3867	4588	4008	2550
55.0	2356	2367	3220	4052	3598	2252	2303	2353	3783	4672	3994	2280
60.0	1866	1974	3110	4384	3498	1844	1902	1802	3443	5102	3591	1773
65.0	1014	1097	2727	4493	3388	1000	968	903	2734	4200	3333	871
70.0	105	426	1544	1784	2034	415	203	214	1133	1304	1531	244
75.0	39.5	48.2	732	615	1037	58.4	29.7	48.0	484	71.4	535	49.4
80.0	56.8	38.2	87.1	41.6	84.9	44.1	43.0	43.1	43.4	26.4	53.3	46.9
85.0	15.5	27.6	50.7	35.8	46.5	34.9	9.46	27.9	33.6	17.8	41.3	34.6
90.0	11.2	21.6	35.7	23.5	33.3	24.5	4.96	17.5	23.2	17.3	26.3	23.0
95.0	9.93	9.08	18.7	14.8	19.7	8.15	5.99	9.93	13.0	17.6	14.5	11.5
100.0	10.7	7.96	15.3	14.6	16.2	8.71	7.30	10.9	12.1	16.6	13.6	10.9
105.0	11.9	10.1	17.0	17.7	18.8	10.7	9.08	12.2	13.4	19.1	13.5	12.7
110.0	13.5	12.1	19.1	22.8	20.8	12.6	11.0	13.9	14.9	20.7	15.1	14.6
115.0	15.1	14.0	20.3	21.3	20.9	14.2	12.4	15.2	16.1	21.3	16.3	15.8
120.0	16.3	15.4	20.9	21.9	21.4	15.6	13.9	16.3	17.2	21.8	17.3	16.3
125.0	17.3	16.3	21.4	22.3	21.8	16.6	15.0	18.8	18.5	22.3	19.1	17.5
130.0	18.2	17.2	22.1	22.5	22.0	17.2	16.5	19.3	18.7	22.7	19.3	19.3
135.0	19.3	18.1	22.6	22.9	22.1	18.0	17.5	20.1	19.3	23.0	20.1	19.6
140.0	19.9	18.9	22.8	23.3	22.6	18.8	18.9	20.8	20.2	23.7	20.8	20.3
145.0	20.5	19.7	23.0	22.9	22.7	19.4	19.8	21.5	20.6	23.7	21.1	20.6
150.0	21.4	20.0	22.6	22.3	22.3	19.8	20.8	21.7	20.8	23.2	20.8	20.9
155.0	21.9	20.7	22.6	21.9	22.0	20.0	21.3	22.2	20.8	22.4	21.0	21.1
160.0	22.2	20.8	21.9	21.4	21.9	20.4	21.8	22.2	20.8	22.3	21.0	21.4
165.0	23.0	21.3	21.8	21.5	21.5	20.8	21.9	22.5	20.9	22.3	20.7	21.7
170.0	22.9	21.4	21.5	21.1	21.2	20.6	22.0	22.1	20.6	21.3	20.5	21.7
175.0	22.5	20.8	21.1	20.8	20.8	20.2	21.7	21.5	20.3	21.2	20.3	20.9
180.0	22.2	20.8	20.9	20.7	20.8	20.3	22.1	21.4	20.3	21.3	20.0	20.6

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
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 Remarks: