

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

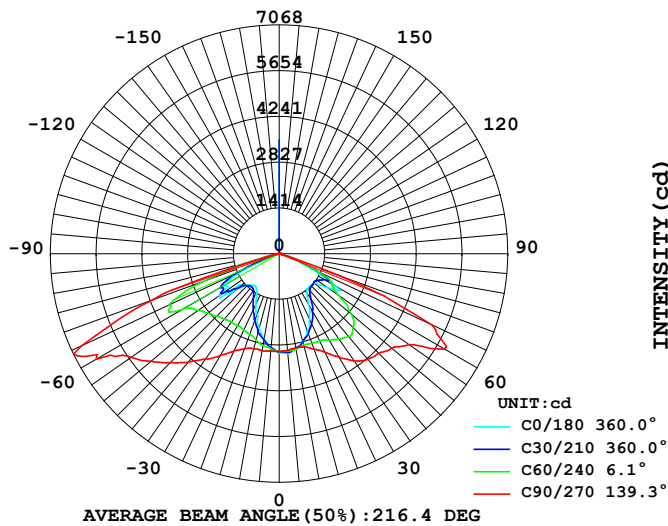
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

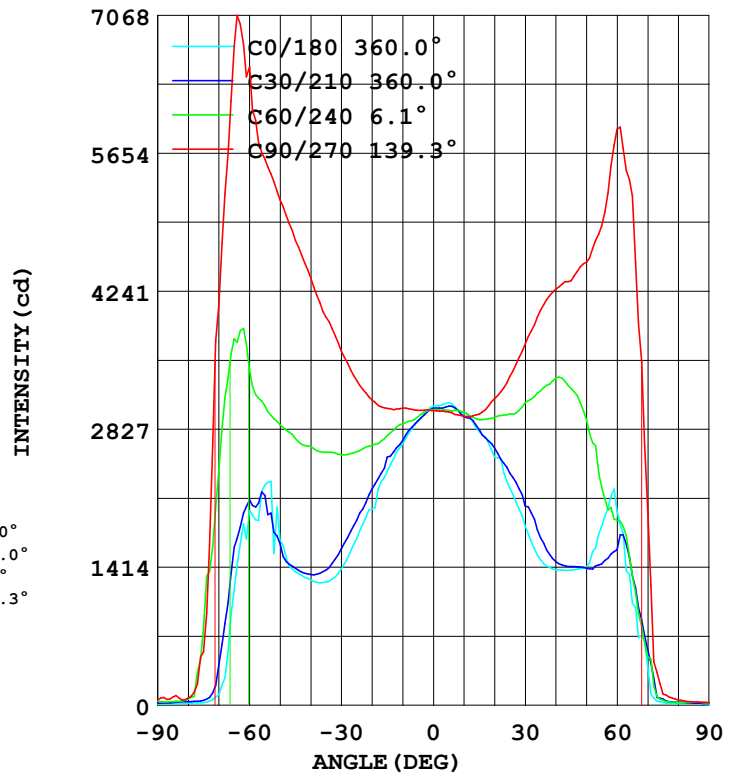
MANUFACTURER:		Address:	
NAME: STL-W100-85.140		TYPE:	WEIGHT:
SPECIFICATION:		DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	7068	S/MH (C0/180)	0.81
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	2.21
NOMINAL POWER (W)	100	TOTAL FLUX (lm)	11411	Voltage (V)	221.8
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	114.5	Current (A)	0.453
NOMINAL FLUX (lm)	11411.4	η up (%)	1.0	Power (W)	99.69
LAMPS QUANTITY	1	η down (%)	99.0	Power Factor (PF)	0.992
TEST VOLTAGE (V)	221.8	Effective Flux (lm)	11090.0	EET	0.122

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-W100-85.140	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

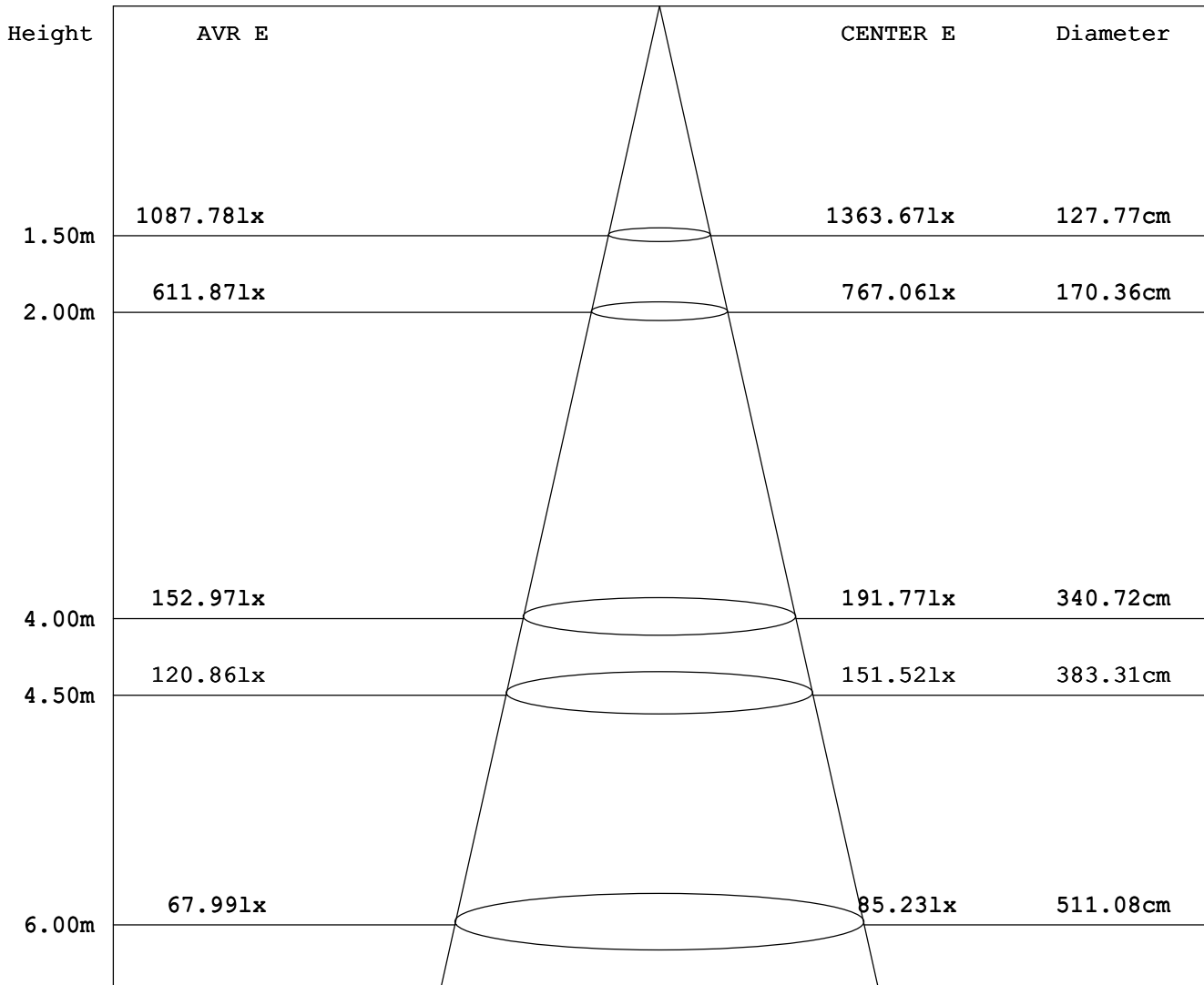
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:

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-W100-85.140	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Angle:46.1deg

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-W100-85.140	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	2912	2934	3020	3027	3100	3042	3004	2908	0- 5	71.83	71.83
10.0	2679	2796	3043	3015	2991	2977	2958	2762	5- 10	210.5	282.4
15.0	2400	2651	3040	2968	2797	2874	2982	2631	10- 15	337.3	619.7
20.0	2012	2441	3126	2885	2543	2792	3140	2486	15- 20	448.3	1068
25.0	1711	2246	3325	2849	2223	2681	3368	2381	20- 25	550.3	1619
30.0	1397	2085	3625	2819	1838	2570	3698	2316	25- 30	644.0	2263
35.0	1263	1988	3974	2813	1488	2469	4047	2269	30- 35	735.5	2998
40.0	1284	1995	4378	2811	1388	2411	4264	2322	35- 40	835.9	3834
45.0	1369	2068	4762	2848	1384	2331	4350	2370	40- 45	949.2	4783
50.0	1689	2266	5179	2847	1417	2161	4539	2403	45- 50	1065	5849
55.0	2259	2606	5595	2740	1830	1841	4909	2763	50- 55	1206	7055
60.0	1994	2767	6539	2633	1992	1743	5898	3014	55- 60	1364	8419
65.0	1191	2687	6751	2157	1045	1327	5218	2738	60- 65	1435	9854
70.0	107.2	1413	4103	874.6	393.5	535.3	2003	1467	65- 70	1004	10857
75.0	29.31	420.3	546.6	108.4	27.04	56.21	113.8	417.3	70- 75	347.6	11205
80.0	22.40	52.32	72.85	36.92	18.46	29.51	55.67	49.55	75- 80	49.46	11255
85.0	16.97	32.67	82.03	29.81	21.52	26.40	35.53	44.66	80- 85	20.56	11275
90.0	12.63	30.75	53.40	27.78	7.305	21.07	28.82	40.77	85- 90	17.51	11293
95.0	11.45	22.01	53.50	17.67	6.021	14.65	21.02	24.97	90- 95	13.17	11306
100.0	10.85	13.91	29.51	13.91	7.601	12.83	21.22	15.00	95-100	10.15	11316
105.0	11.25	12.19	18.85	15.15	8.785	14.26	23.49	13.27	100-105	7.694	11324
110.0	12.14	13.08	19.84	16.43	10.06	15.69	25.46	15.00	105-110	7.836	11332
115.0	12.63	14.46	21.71	17.07	10.56	16.28	26.16	16.28	110-115	8.185	11340
120.0	13.03	15.35	22.31	17.76	11.45	16.88	26.94	17.37	115-120	8.272	11348
125.0	13.91	16.53	22.90	18.60	11.94	18.16	27.44	18.75	120-125	8.285	11356
130.0	14.80	17.62	23.59	19.15	13.03	18.70	27.54	19.99	125-130	8.155	11364
135.0	16.09	18.70	24.18	19.99	14.01	19.59	28.23	20.53	130-135	7.914	11372
140.0	17.67	19.44	24.58	20.28	16.09	20.33	28.33	21.27	135-140	7.567	11380
145.0	18.85	20.13	23.59	20.48	17.57	20.53	27.24	21.91	140-145	6.995	11387
150.0	20.43	20.78	22.70	20.18	18.46	20.33	25.76	21.66	145-150	6.209	11393
155.0	21.32	21.37	22.40	20.33	20.03	20.68	25.07	22.01	150-155	5.385	11398
160.0	22.50	21.81	22.21	20.38	21.22	21.02	24.28	22.11	155-160	4.533	11403
165.0	23.98	22.40	22.31	20.97	22.11	21.37	23.69	22.35	160-165	3.629	11407
170.0	24.77	22.85	22.01	21.22	22.01	21.56	23.09	22.16	165-170	2.647	11409
175.0	24.18	22.40	21.71	21.37	22.60	21.56	22.80	21.81	170-175	1.586	11411
180.0	23.69	21.96	21.81	21.66	23.59	21.91	22.50	21.42	175-180	0.529	11411
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

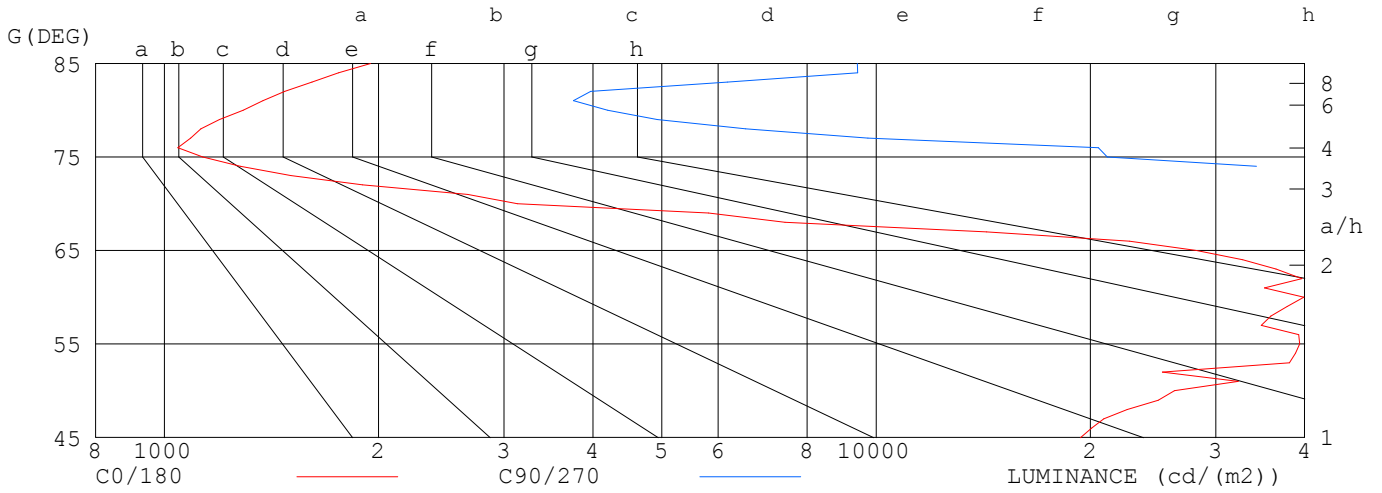
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		Address:	
NAME: STL-W100-85.140		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	1948	9412
80	1290	4195
75	1133	21119
70	3135	119949
65	28177	159733
60	39888	130783
55	39377	97553
50	26269	80567
45	19364	67351

Test System:HOPOO HPG1900
 Temperature:25.3DEG
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Test Set: 8.0deg/s C-Gamma (TYPE C)
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 Remarks:

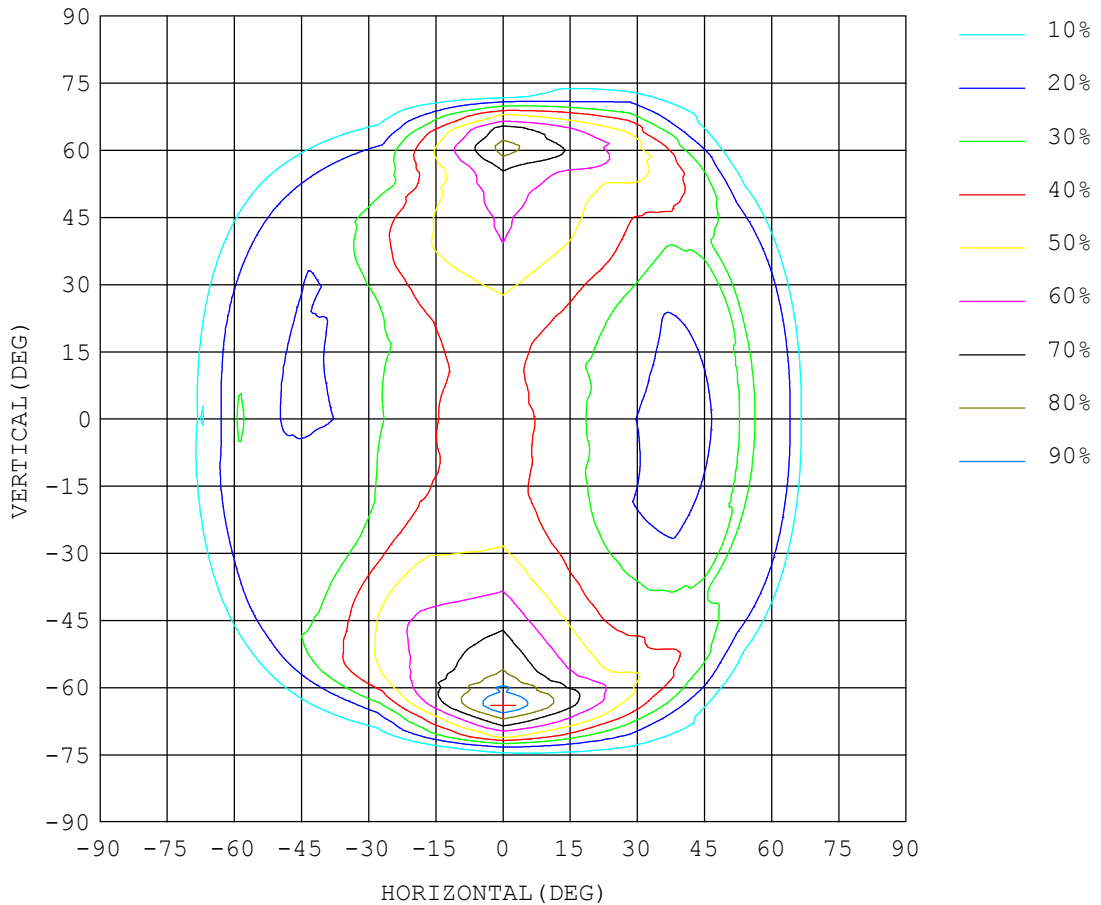
HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: STL-W100-85.140	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

UNIT: cd



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:

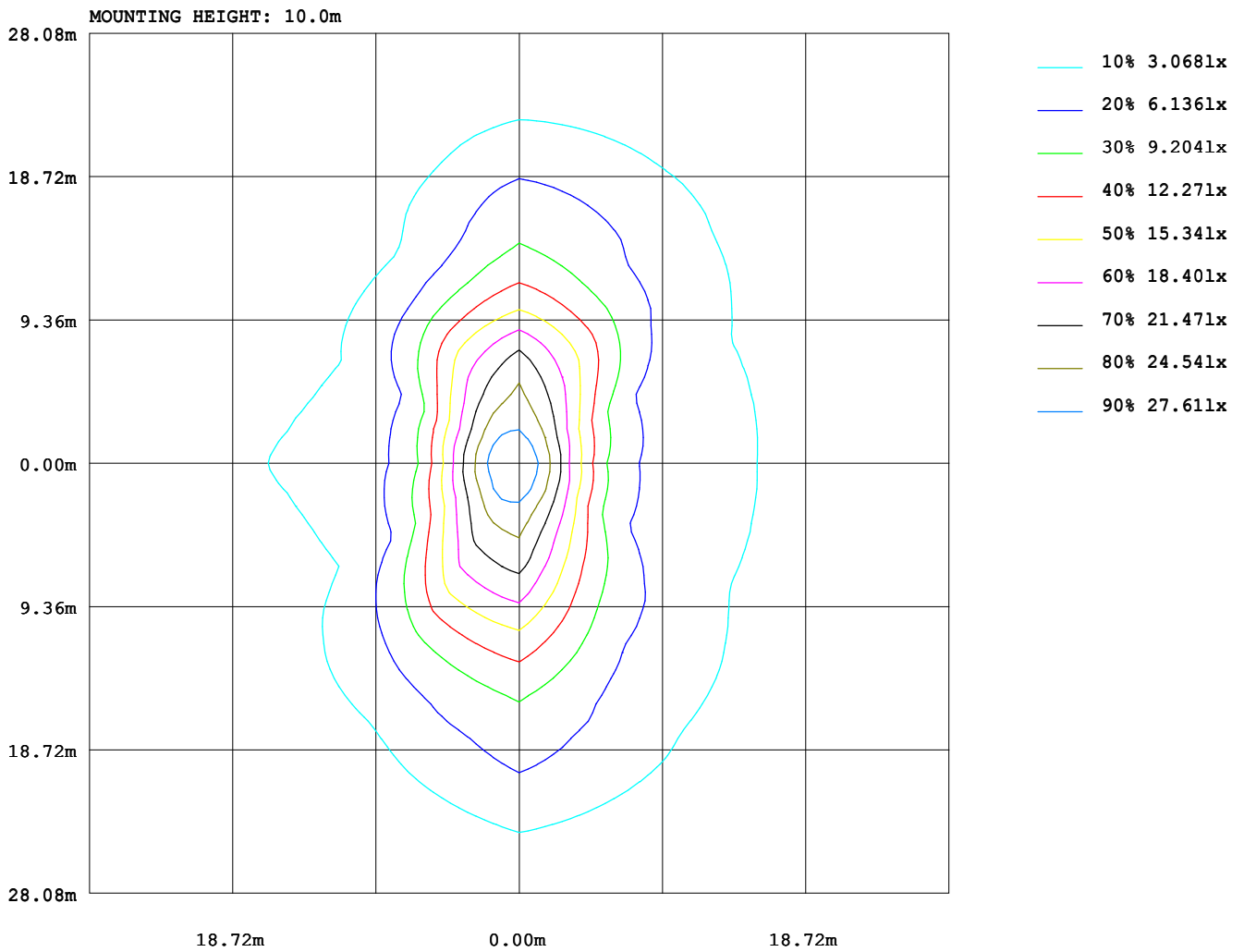
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.760 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: STL-W100-85.140	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-W100-85.140				TYPE:								WEIGHT:							
SPECIFICATION:				DIMENSION:								SERIAL No.:							

		AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
VERTICAL (DEG)	90	0.03	0.12	0.24	0.39	0.55	0.71	0.85	0.98	1.10	1.14	1.09	1.01	0.97	0.93	0.84	0.57	0.25	0.05	11.8	0.00	
	80	0.04	0.16	0.32	0.51	0.69	0.94	1.89	5.10	9.46	13.5	15.4	13.7	6.23	1.47	0.93	0.61	0.27	0.06	71.3	42.0	
	70	0.04	0.18	0.38	1.01	5.41	14.4	32.9	75.4	121	134	114	89.7	52.3	17.0	2.16	0.61	0.28	0.06	661	637	
	60	0.05	0.19	0.67	8.09	25.0	41.4	59.4	99.7	137	144	125	106	80.8	43.7	8.16	0.72	0.28	0.06	881	869	
	50	0.05	0.20	3.00	20.1	35.7	47.8	74.5	104	125	125	107	85.9	67.8	50.3	22.1	2.06	0.28	0.06	871	864	
	40	0.05	0.24	7.15	27.5	32.6	48.2	75.6	101	115	114	96.6	74.5	51.3	43.4	31.4	5.94	0.29	0.06	825	819	
	30	0.05	0.32	11.1	30.0	30.9	39.6	64.7	87.4	98.6	96.3	81.2	59.2	39.0	35.2	35.0	10.5	0.32	0.06	720	716	
		0.05	0.44	14.0	30.6	30.3	38.5	60.0	80.7	90.1	86.6	71.6	50.3	35.3	32.0	35.2	13.7	0.37	0.06	670	667	
		0.05	0.54	15.4	31.0	30.0	39.1	61.9	81.5	91.1	86.2	70.1	48.9	33.5	30.5	35.1	14.8	0.38	0.05	671	667	
		0.05	0.59	15.5	31.1	30.6	40.8	63.2	82.5	91.6	87.1	70.2	48.1	32.7	30.5	35.2	14.8	0.37	0.05	676	673	
		0.05	0.58	14.5	30.6	31.8	43.5	64.8	84.1	92.4	86.8	69.6	47.0	33.3	32.2	35.4	13.6	0.36	0.05	681	678	
	-30	0.05	0.51	12.2	29.7	32.4	46.0	73.5	94.5	100	93.1	73.7	52.3	36.4	36.4	34.9	10.4	0.30	0.05	728	723	
	-40	0.05	0.34	8.65	28.0	34.4	58.7	90.4	112	118	109	84.7	62.9	48.1	43.6	31.6	5.76	0.25	0.05	838	832	
	-50	0.05	0.22	4.41	23.5	42.3	69.3	106	129	140	131	101	76.2	63.1	48.6	21.6	1.95	0.23	0.05	959	951	
	-60	0.05	0.19	1.38	11.8	36.0	67.8	105	138	162	156	124	95.5	74.8	41.8	7.73	0.60	0.22	0.05	1022	1011	
	-70	0.04	0.18	0.39	2.21	10.1	27.5	60.7	115	165	170	133	90.5	49.5	16.4	2.09	0.46	0.20	0.05	843	823	
-80	0.04	0.16	0.31	0.52	0.90	1.64	5.75	17.6	32.0	35.4	26.5	16.9	7.56	1.92	0.69	0.38	0.17	0.04	149	113		
-90	0.03	0.13	0.26	0.43	0.63	0.85	1.17	1.58	1.97	1.99	1.63	1.23	0.92	0.69	0.47	0.29	0.15	0.04	14.4	0.00		
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)			20	30	40	50	60	70	80	90		
Φ t	0.83	5.25	110	308	411	628	1002	1409	1692	1672	1368	1020	714	507	341	98.0	4.94	0.96	11411			
Φ a	0.00	0.00	88.5	291	397	614	991	1398	1680	1660	1358	1011	705	492	324	75.0	0.00	0.00			11090	

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:

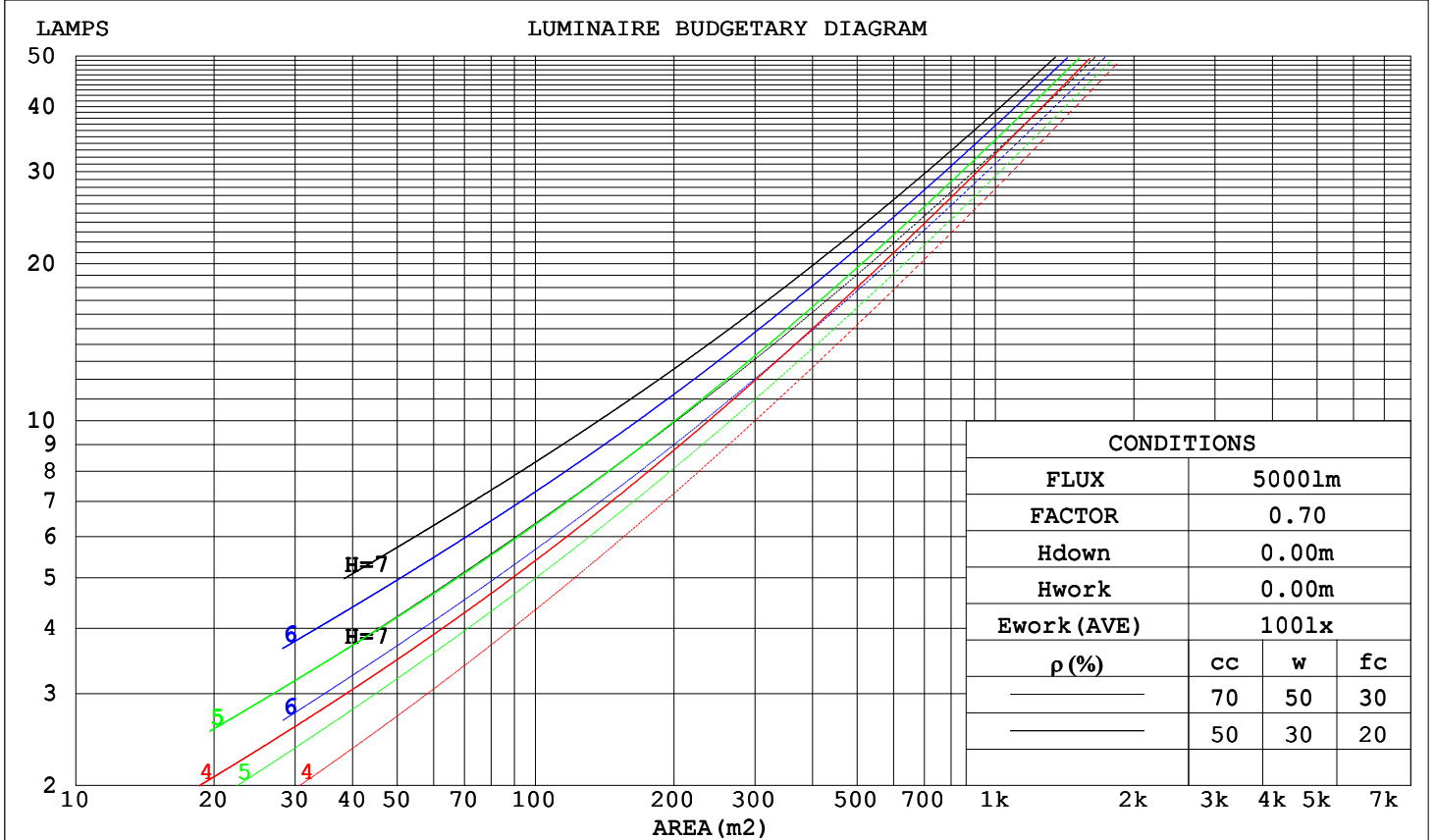
HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:				Address:							
NAME: STL-W100-85.140				TYPE:				WEIGHT:			
SPECIFICATION:				DIMENSION:				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						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	.99	.96	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.89	.82	.76	.87	.81	.75	.83	.78	.73	.80	.75	.71	.77	.73	.69	.67
3.0	.77	.68	.61	.75	.67	.61	.72	.65	.59	.69	.63	.58	.66	.61	.57	.55
4.0	.67	.57	.50	.65	.57	.50	.63	.55	.49	.60	.54	.48	.58	.52	.47	.45
5.0	.59	.49	.42	.57	.48	.42	.55	.47	.41	.53	.46	.40	.51	.45	.40	.38
6.0	.52	.42	.36	.51	.42	.35	.49	.41	.35	.47	.40	.35	.45	.39	.34	.32
7.0	.47	.37	.31	.46	.37	.31	.44	.36	.30	.42	.35	.30	.41	.35	.30	.27
8.0	.42	.33	.27	.41	.33	.27	.40	.32	.27	.39	.31	.26	.37	.31	.26	.24
9.0	.38	.30	.24	.38	.29	.24	.36	.29	.24	.35	.28	.23	.34	.28	.23	.21
10.0	.35	.27	.21	.35	.27	.21	.34	.26	.21	.32	.26	.21	.31	.25	.21	.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-W100-85.140				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	.308	.175	.056	.301	.172	.055	.287	.165	.053	.274	.158	.051	.263	.152	.049	
2.0	.302	.166	.051	.296	.163	.050	.283	.158	.049	.272	.153	.048	.261	.148	.047	
3.0	.285	.151	.045	.279	.149	.045	.268	.145	.044	.258	.141	.043	.248	.137	.043	
4.0	.265	.138	.040	.259	.136	.040	.250	.132	.040	.240	.129	.039	.232	.126	.038	
5.0	.245	.125	.036	.240	.123	.036	.232	.121	.036	.223	.118	.035	.216	.115	.035	
6.0	.227	.114	.033	.223	.113	.032	.215	.110	.032	.208	.108	.032	.201	.106	.031	
7.0	.211	.104	.030	.207	.103	.029	.200	.101	.029	.193	.099	.029	.187	.097	.029	
8.0	.196	.096	.027	.193	.095	.027	.186	.093	.027	.180	.091	.026	.175	.090	.026	
9.0	.183	.089	.025	.180	.088	.025	.174	.086	.024	.169	.085	.024	.164	.083	.024	
10.0	.172	.082	.023	.169	.082	.023	.164	.080	.023	.159	.079	.022	.154	.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	.170	.170	.170	.116	.116	.116	.066	.066	.066	.021	.021	.021	
2.0	.182	.140	.105	.156	.120	.091	.107	.083	.063	.061	.048	.037	.020	.016	.012	
3.0	.175	.122	.080	.150	.106	.070	.103	.073	.049	.060	.043	.029	.019	.014	.009	
4.0	.169	.109	.064	.145	.095	.056	.100	.066	.039	.058	.039	.023	.019	.013	.008	
5.0	.162	.099	.053	.139	.086	.046	.096	.060	.033	.055	.035	.019	.018	.012	.006	
6.0	.155	.091	.045	.133	.079	.040	.092	.055	.028	.053	.033	.017	.017	.011	.005	
7.0	.148	.084	.040	.127	.073	.035	.088	.051	.025	.051	.030	.015	.017	.010	.005	
8.0	.141	.079	.036	.122	.068	.031	.084	.048	.022	.049	.028	.013	.016	.009	.004	
9.0	.135	.074	.032	.116	.064	.028	.081	.045	.020	.047	.027	.012	.015	.009	.004	
10.0	.129	.069	.030	.111	.060	.026	.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-W100-85.140					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	25.3	26.9	25.6	27.2	27.4	31.4	33.0	31.7	33.2	33.5
3H	25.7	27.2	26.0	27.4	27.7	34.2	35.7	34.5	36.0	36.2
4H	25.6	27.0	25.9	27.3	27.6	34.3	35.7	34.6	36.0	36.3
6H	25.5	26.8	25.8	27.1	27.4	34.2	35.5	34.5	35.8	36.1
8H	25.4	26.7	25.8	27.0	27.3	34.1	35.4	34.5	35.7	36.0
12H	25.4	26.6	25.7	26.9	27.2	34.1	35.3	34.5	35.6	36.0
4H 2H	27.1	28.6	27.5	28.8	29.1	31.6	33.0	31.9	33.3	33.6
3H	27.4	28.6	27.8	28.9	29.3	34.4	35.7	34.8	36.0	36.3
4H	27.3	28.4	27.7	28.7	29.1	34.5	35.7	34.9	36.0	36.4
6H	27.2	28.2	27.6	28.5	28.9	34.5	35.4	34.9	35.8	36.2
8H	27.1	28.1	27.6	28.4	28.9	34.4	35.3	34.8	35.7	36.1
12H	27.1	27.9	27.5	28.3	28.8	34.4	35.2	34.8	35.6	36.0
8H 4H	27.7	28.6	28.1	29.0	29.4	34.4	35.3	34.9	35.7	36.1
6H	27.6	28.3	28.1	28.8	29.2	34.4	35.1	34.8	35.5	36.0
8H	27.6	28.2	28.0	28.7	29.1	34.3	35.0	34.8	35.4	35.9
12H	27.5	28.1	28.0	28.6	29.1	34.3	34.9	34.8	35.3	35.8
12H 4H	27.6	28.5	28.1	28.9	29.3	34.4	35.2	34.8	35.6	36.1
6H	27.6	28.2	28.0	28.7	29.1	34.3	35.0	34.8	35.4	35.9
8H	27.5	28.1	28.0	28.6	29.1	34.3	34.8	34.8	35.3	35.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.4					+ 0.2 / - 0.3				
1.5H	+ 1.1 / - 1.1					+ 0.6 / - 0.8				
2.0H	+ 0.9 / - 1.9					+ 2.1 / - 2.1				

CIE Pub.117 Corrected 11411 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-W100-85.140	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	51	38	30	50	38	30	49	37	30	23
0.80	61	48	40	60	48	40	58	47	40	32
1.00	71	58	50	69	58	50	67	59	49	41
1.25	79	67	59	77	66	59	74	65	58	50
1.50	84	73	66	82	72	65	79	70	64	56
2.00	92	83	76	90	82	75	87	79	74	65
2.50	97	89	82	95	87	81	91	84	79	71
3.00	101	94	88	99	92	87	94	89	85	76
4.00	106	100	95	103	98	94	99	94	91	82
5.00	108	104	100	106	102	98	101	98	95	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

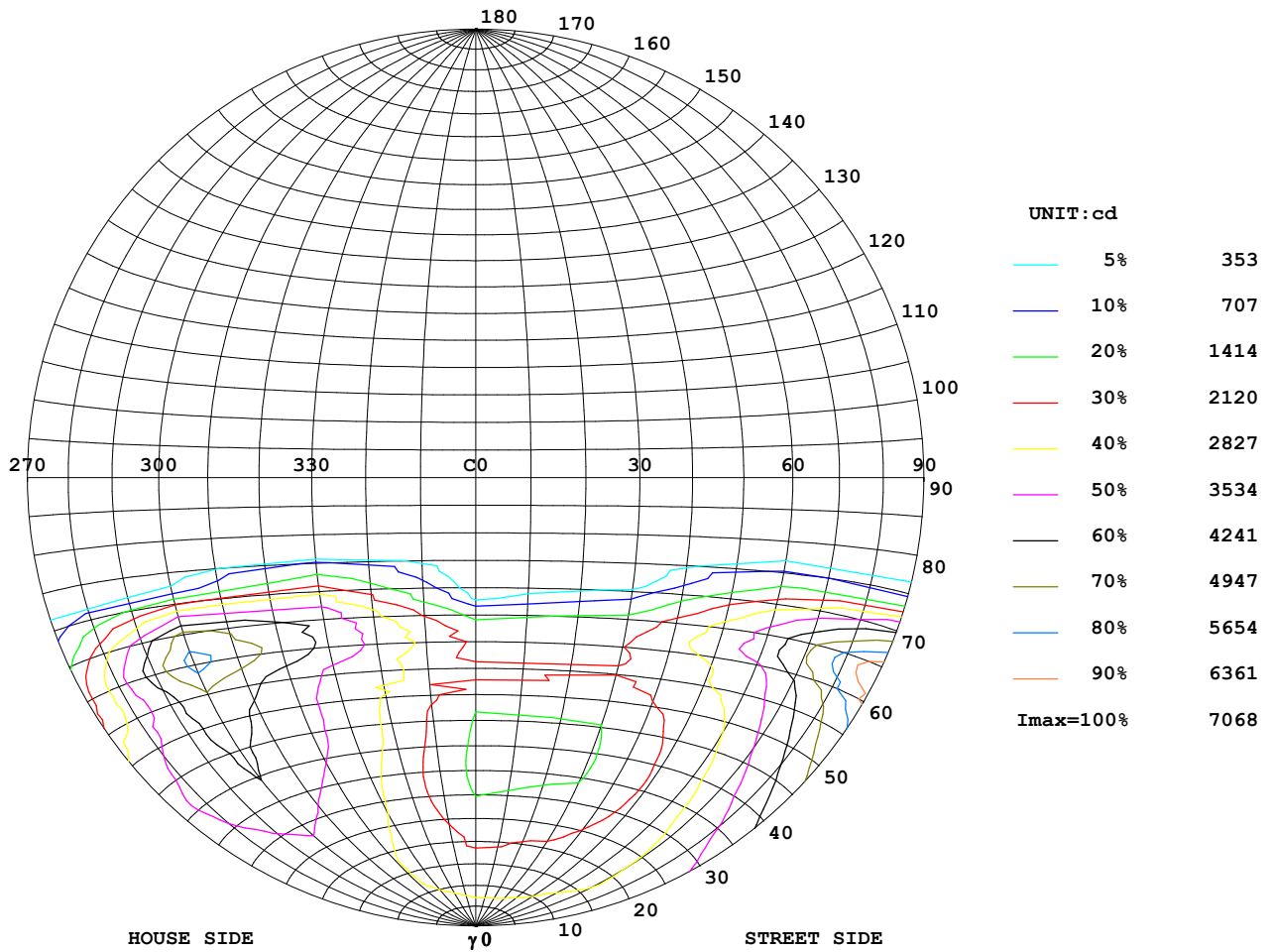
Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:

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-W100-85.140	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:

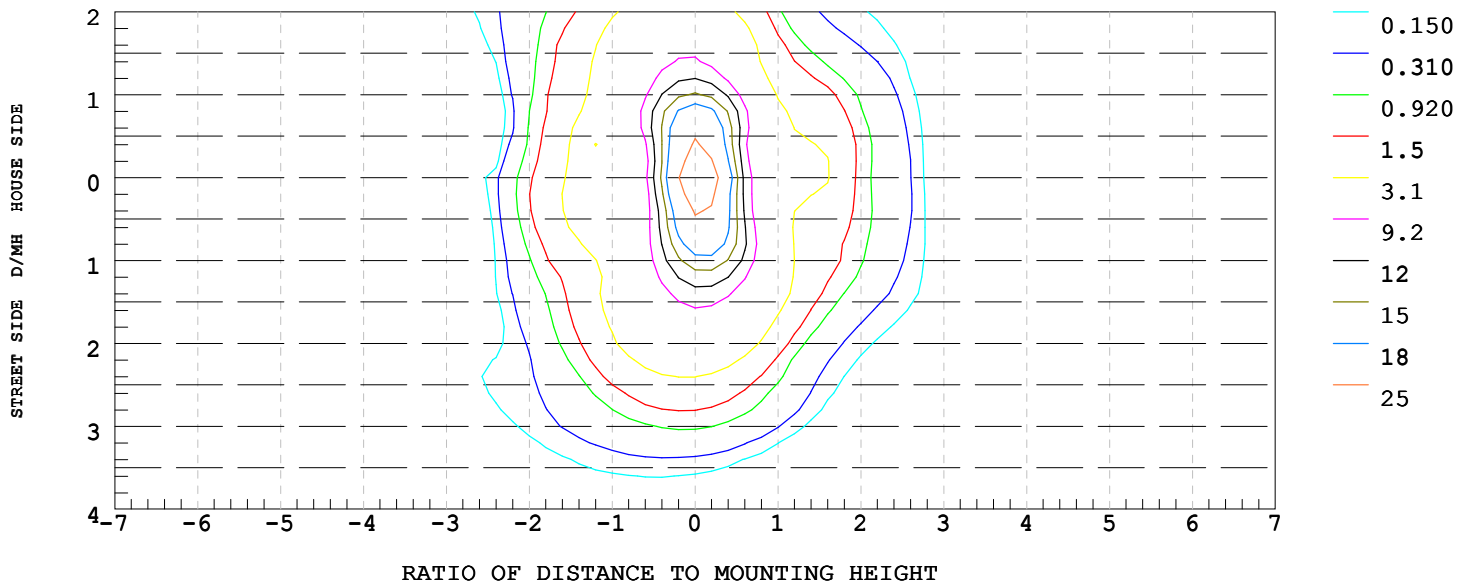
HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: STL-W100-85.140	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 30.68 lx



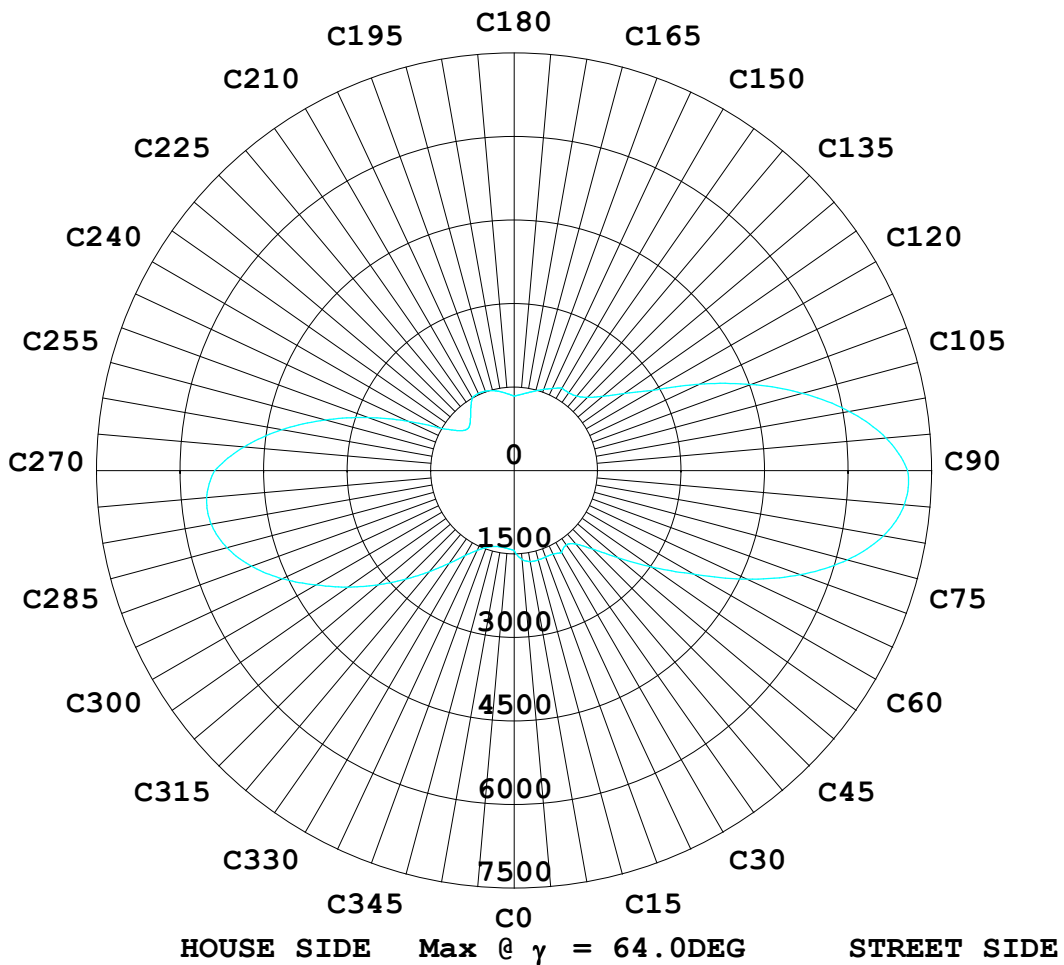
Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:

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-W100-85.140	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-W100-85.140	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	3068	3043	3028	3018	3007	3004	3068	3043	3028	3018	3007	3004
5.0	2912	2912	2956	3020	3018	3035	3100	3063	3021	3004	2941	2876
10.0	2679	2709	2883	3043	3071	2960	2991	2954	2999	2958	2825	2700
15.0	2400	2541	2761	3040	3048	2888	2797	2821	2926	2982	2767	2496
20.0	2012	2218	2664	3126	3051	2718	2543	2638	2946	3140	2741	2231
25.0	1711	1896	2596	3325	3189	2509	2223	2378	2984	3368	2782	1979
30.0	1397	1606	2564	3625	3361	2277	1838	2042	3098	3698	2885	1748
35.0	1263	1386	2591	3974	3583	2044	1488	1717	3220	4047	3005	1533
40.0	1284	1340	2649	4378	3867	1754	1388	1471	3350	4264	3212	1432
45.0	1369	1403	2733	4762	4112	1584	1384	1419	3243	4350	3308	1431
50.0	1689	1658	2873	5179	4186	1509	1417	1403	2918	4539	3298	1509
55.0	2259	2148	3065	5595	4025	1454	1830	1447	2236	4909	3380	2145
60.0	1994	2103	3430	6539	3696	1570	1992	1591	1895	5898	4045	1983
65.0	1191	1619	3756	6751	2674	1640	1045	1328	1327	5218	3854	1623
70.0	107	414	2412	4103	1027	722	394	569	501	2003	2517	417
75.0	29.3	50.9	790	547	84.0	133	27.0	62.4	49.9	114	772	62.5
80.0	22.4	39.0	65.5	72.8	43.2	30.6	18.4	31.1	27.8	55.6	44.4	54.6
85.0	16.9	26.8	38.4	82.0	35.8	23.7	21.5	22.8	30.0	35.5	35.0	54.2
90.0	12.6	20.8	40.6	53.4	35.3	20.2	7.30	18.1	23.9	28.8	35.6	45.9
95.0	11.4	13.3	30.7	53.5	20.2	15.1	6.02	14.0	15.3	21.0	24.9	24.9
100.0	10.8	10.3	17.4	29.5	18.2	9.57	7.60	11.5	14.1	21.2	15.7	14.2
105.0	11.2	8.68	15.6	18.8	19.5	10.7	8.78	12.4	16.0	23.4	14.9	11.6
110.0	12.1	9.37	16.7	19.8	20.7	12.1	10.0	13.7	17.6	25.4	16.9	13.0
115.0	12.6	10.4	18.4	21.7	21.3	12.8	10.5	14.3	18.2	26.1	18.7	13.8
120.0	13.0	11.5	19.1	22.3	21.8	13.7	11.4	14.6	19.1	26.9	19.9	14.8
125.0	13.9	12.8	20.2	22.9	22.5	14.7	11.9	15.7	20.5	27.4	21.3	16.1
130.0	14.8	14.2	21.0	23.5	22.9	15.3	13.0	16.6	20.7	27.5	22.3	17.6
135.0	16.0	15.4	21.9	24.1	23.5	16.3	14.0	17.3	21.8	28.2	22.6	18.4
140.0	17.6	16.7	22.1	24.5	23.3	17.1	16.0	18.8	21.8	28.3	22.8	19.7
145.0	18.8	18.1	22.1	23.5	22.7	18.2	17.5	19.5	21.5	27.2	23.1	20.6
150.0	20.4	19.1	22.4	22.7	22.1	18.2	18.4	19.7	20.9	25.7	22.7	20.6
155.0	21.3	20.2	22.5	22.4	22.0	18.6	20.0	20.5	20.8	25.0	22.7	21.3
160.0	22.5	20.9	22.7	22.2	21.6	19.1	21.2	21.3	20.7	24.2	22.5	21.7
165.0	23.9	21.9	22.9	22.3	21.8	20.1	22.1	22.0	20.7	23.6	22.3	22.4
170.0	24.7	22.5	23.1	22.0	22.0	20.4	22.0	22.0	21.1	23.0	22.0	22.3
175.0	24.1	22.4	22.4	21.7	21.9	20.8	22.6	22.2	20.9	22.8	21.5	22.1
180.0	23.6	22.0	21.9	21.8	22.0	21.3	23.5	22.6	21.2	22.5	21.1	21.7

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: