

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

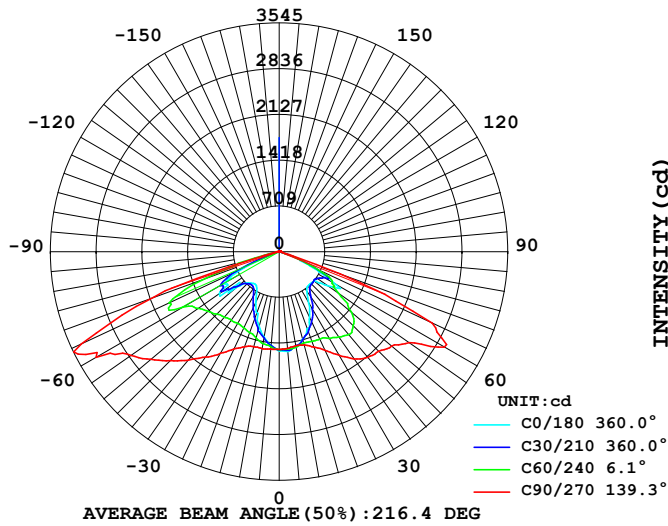
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

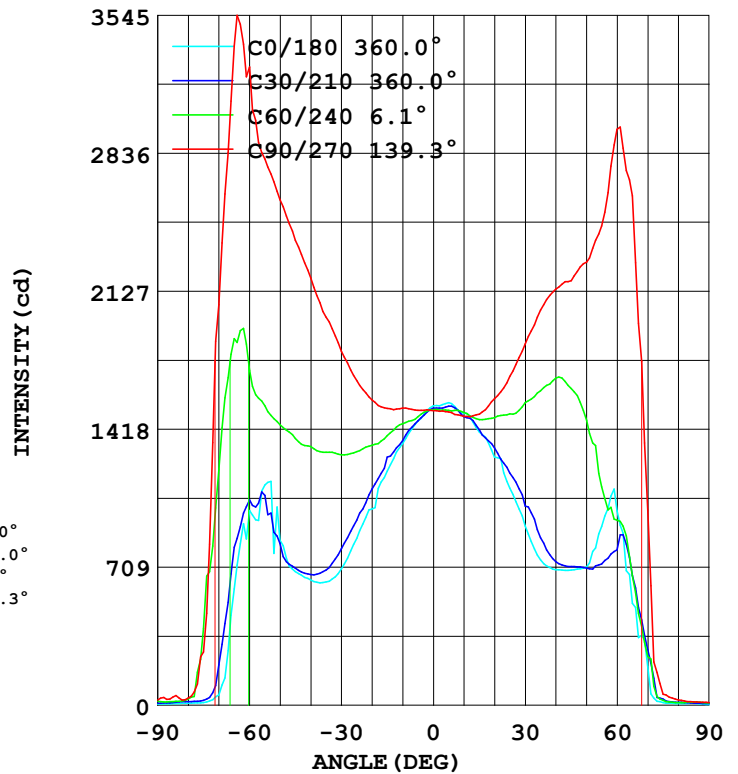
MANUFACTURER:		Address:	
NAME: STL-W50-85.140		TYPE:	WEIGHT:
SPECIFICATION:		DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	3545	S/MH (C0/180)	0.81
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	2.21
NOMINAL POWER (W)	50	TOTAL FLUX (lm)	5723.4	Voltage (V)	221.8
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	114.4	Current (A)	0.227
NOMINAL FLUX (lm)	5723.4	$\eta$ up (%)	1.0	Power (W)	50.02
LAMPS QUANTITY	1	$\eta$ down (%)	99.0	Power Factor (PF)	0.992
TEST VOLTAGE (V)	221.8	Effective Flux (lm)	5562.2	EET	0.123

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System: HOPOO HPG1900  
 Temperature: 25.3 DEG  
 Operators:

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

Color Temperature Data List

Report number:

MANUFACTURER:	Address:	
NAME: STL-W50-85.140	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

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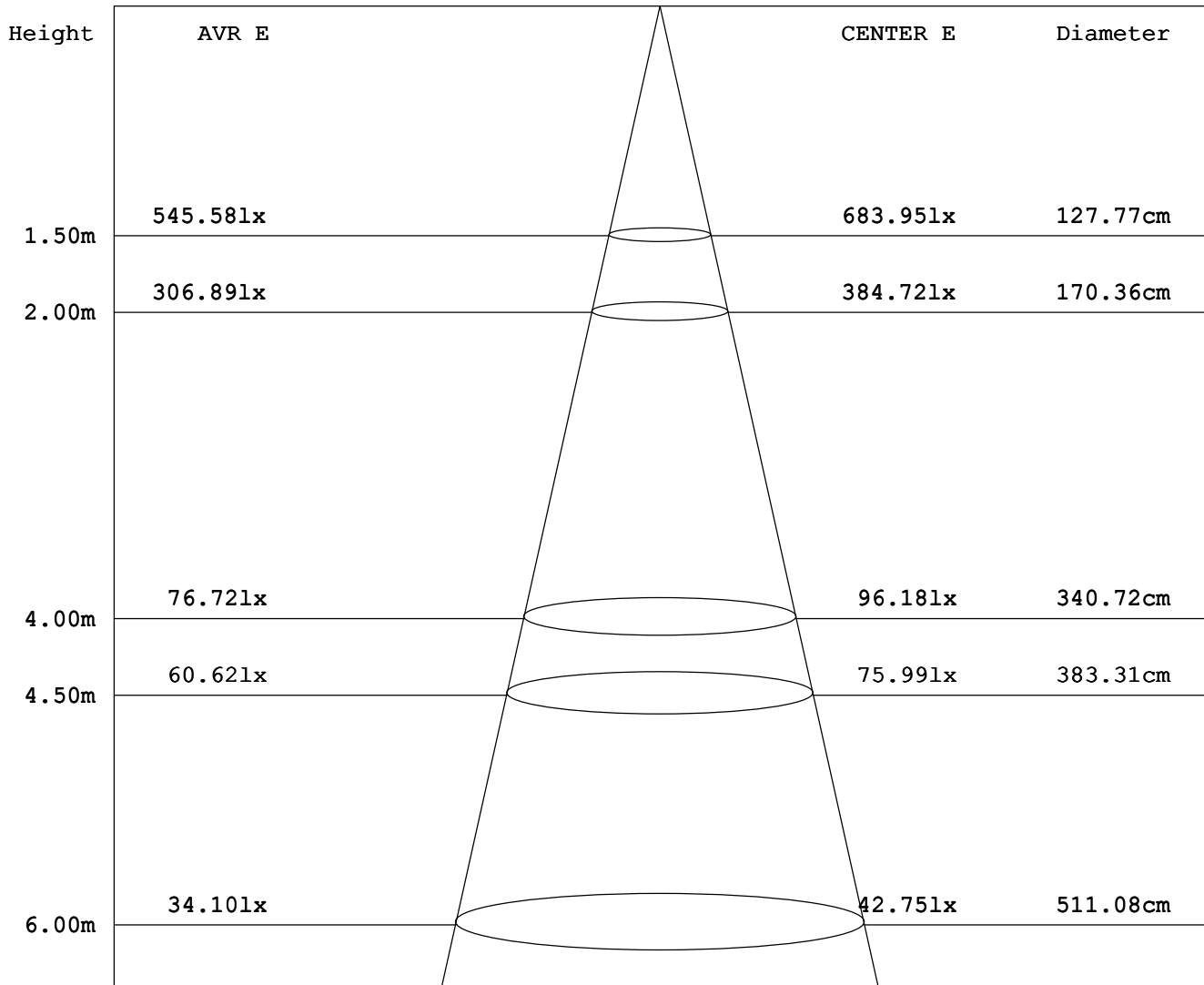
Test System:HOPOO HPG1900  
Temperature:25.3DEG  
Operators:

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-W50-85.140	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-W50-85.140	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	1460	1471	1515	1518	1555	1526	1507	1459	0- 5	36.02	36.02
10.0	1344	1402	1526	1512	1500	1493	1484	1385	5- 10	105.6	141.6
15.0	1203	1330	1525	1489	1403	1441	1496	1320	10- 15	169.2	310.8
20.0	1009	1224	1568	1447	1275	1401	1575	1247	15- 20	224.8	535.7
25.0	858.0	1127	1668	1429	1115	1345	1689	1194	20- 25	276.0	811.7
30.0	700.6	1046	1818	1414	921.7	1289	1855	1162	25- 30	323.0	1135
35.0	633.5	997.3	1993	1411	746.5	1238	2030	1138	30- 35	368.9	1504
40.0	644.2	1001	2196	1410	696.2	1209	2138	1165	35- 40	419.2	1923
45.0	686.7	1037	2389	1428	694.3	1169	2182	1188	40- 45	476.0	2399
50.0	846.8	1136	2597	1428	710.7	1084	2277	1205	45- 50	534.3	2933
55.0	1133	1307	2806	1374	918.0	923.5	2462	1386	50- 55	604.8	3538
60.0	1000	1388	3280	1320	998.9	874.1	2958	1512	55- 60	684.3	4223
65.0	597.2	1348	3386	1082	524.3	665.7	2617	1373	60- 65	719.6	4942
70.0	53.77	708.5	2058	438.7	197.4	268.5	1004	735.8	65- 70	503.4	5446
75.0	14.70	210.8	274.1	54.38	13.56	28.19	57.08	209.3	70- 75	174.3	5620
80.0	11.23	26.24	36.53	18.51	9.258	14.80	27.92	24.85	75- 80	24.80	5645
85.0	8.516	16.38	41.14	14.95	10.79	13.24	17.82	22.40	80- 85	10.31	5655
90.0	6.337	15.42	26.78	13.93	3.663	10.57	14.45	20.44	85- 90	8.784	5664
95.0	5.743	11.04	26.83	8.862	3.020	7.352	10.54	12.52	90- 95	6.607	5670
100.0	5.446	6.981	14.80	6.981	3.812	6.436	10.64	7.525	95-100	5.092	5676
105.0	5.644	6.114	9.456	7.600	4.406	7.154	11.78	6.659	100-105	3.859	5679
110.0	6.089	6.560	9.951	8.243	5.050	7.872	12.77	7.525	105-110	3.930	5683
115.0	6.337	7.253	10.89	8.565	5.297	8.169	13.12	8.169	110-115	4.105	5687
120.0	6.535	7.699	11.18	8.912	5.743	8.466	13.51	8.714	115-120	4.149	5692
125.0	6.981	8.293	11.48	9.333	5.990	9.110	13.76	9.407	120-125	4.155	5696
130.0	7.426	8.837	11.83	9.605	6.535	9.382	13.81	10.02	125-130	4.090	5700
135.0	8.070	9.382	12.13	10.02	7.030	9.828	14.16	10.29	130-135	3.969	5704
140.0	8.862	9.753	12.32	10.17	8.070	10.19	14.20	10.66	135-140	3.795	5708
145.0	9.456	10.10	11.83	10.27	8.813	10.29	13.66	10.99	140-145	3.508	5711
150.0	10.24	10.42	11.38	10.12	9.258	10.19	12.92	10.86	145-150	3.114	5714
155.0	10.69	10.71	11.23	10.19	10.05	10.37	12.57	11.04	150-155	2.700	5717
160.0	11.28	10.94	11.14	10.22	10.64	10.54	12.17	11.09	155-160	2.273	5719
165.0	12.03	11.23	11.18	10.52	11.09	10.71	11.88	11.21	160-165	1.820	5721
170.0	12.42	11.46	11.04	10.64	11.04	10.81	11.58	11.11	165-170	1.327	5722
175.0	12.13	11.23	10.89	10.71	11.33	10.81	11.43	10.94	170-175	0.796	5723
180.0	11.88	11.01	10.94	10.86	11.83	10.99	11.28	10.74	175-180	0.265	5723
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

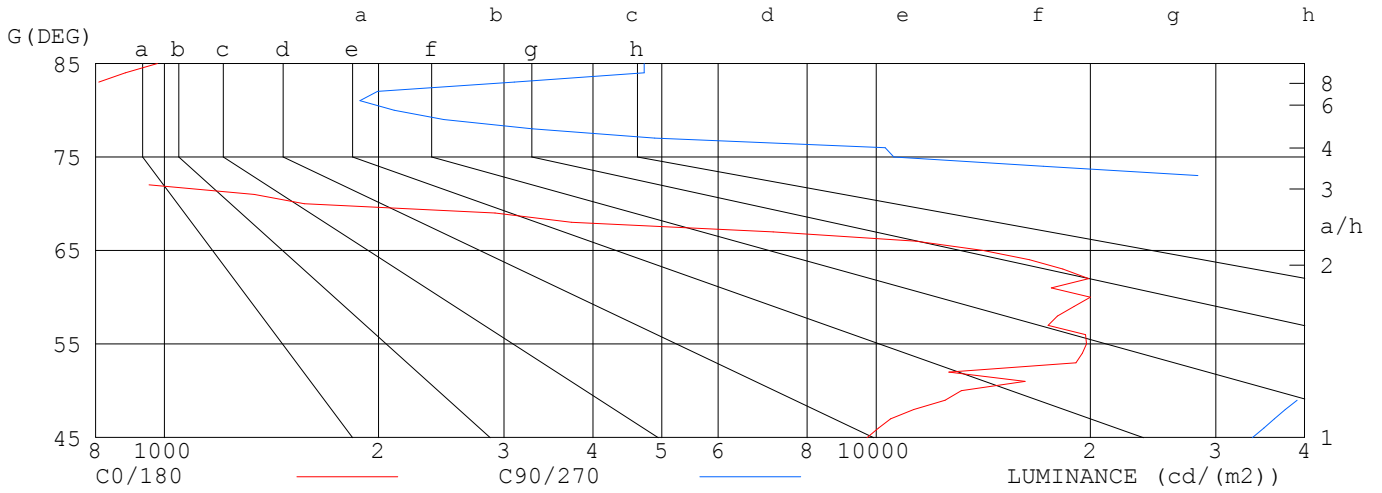
LUMINANCE LIMITATION CURVES

Report number:

<b>MANUFACTURER:</b>		<b>Address:</b>	
<b>NAME: STL-W50-85.140</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>		<b>DIMENSION:</b>	<b>SERIAL No.:</b>

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		2000	1000	500	<=300				
1.15	A								
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	977	4721
80	647	2104
75	568	10592
70	1572	60161
65	14132	80114
60	20006	65594
55	19750	48928
50	13175	40408
45	9712	33780

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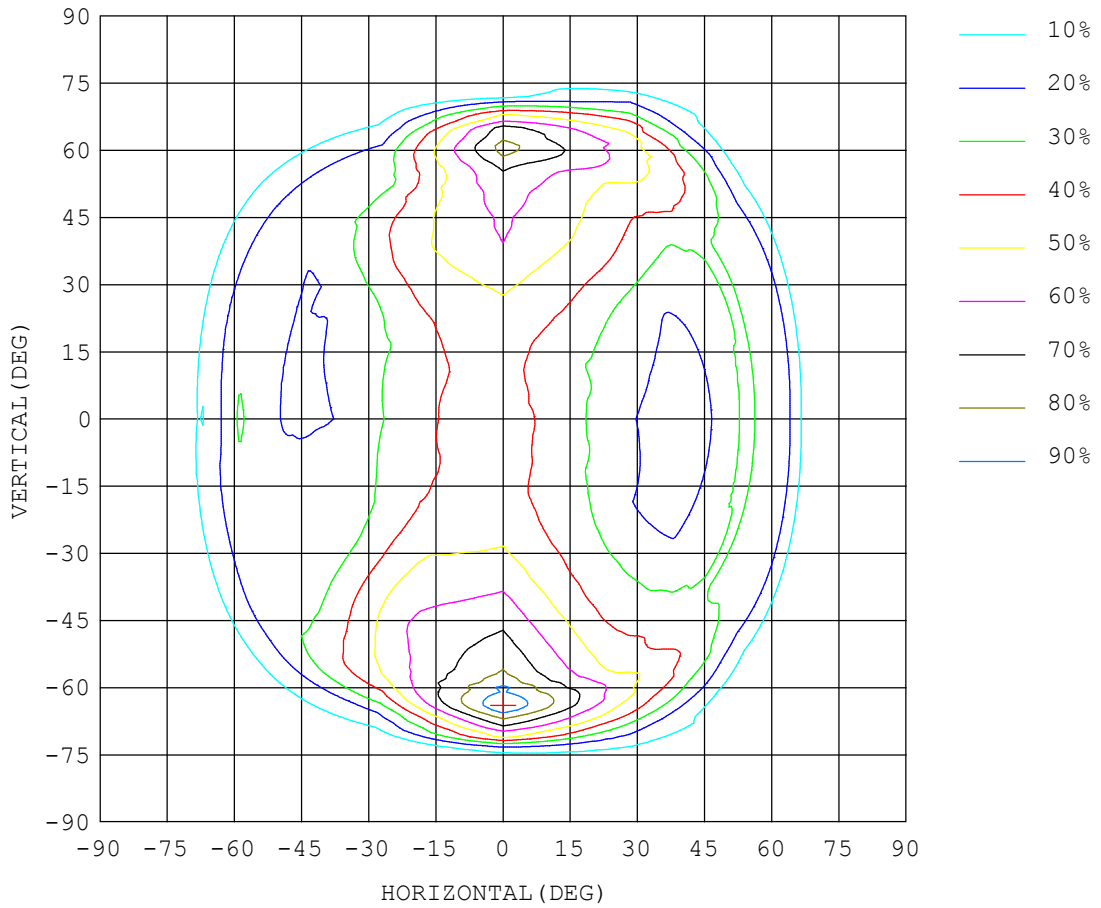
HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: STL-W50-85.140	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

UNIT: cd



Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:

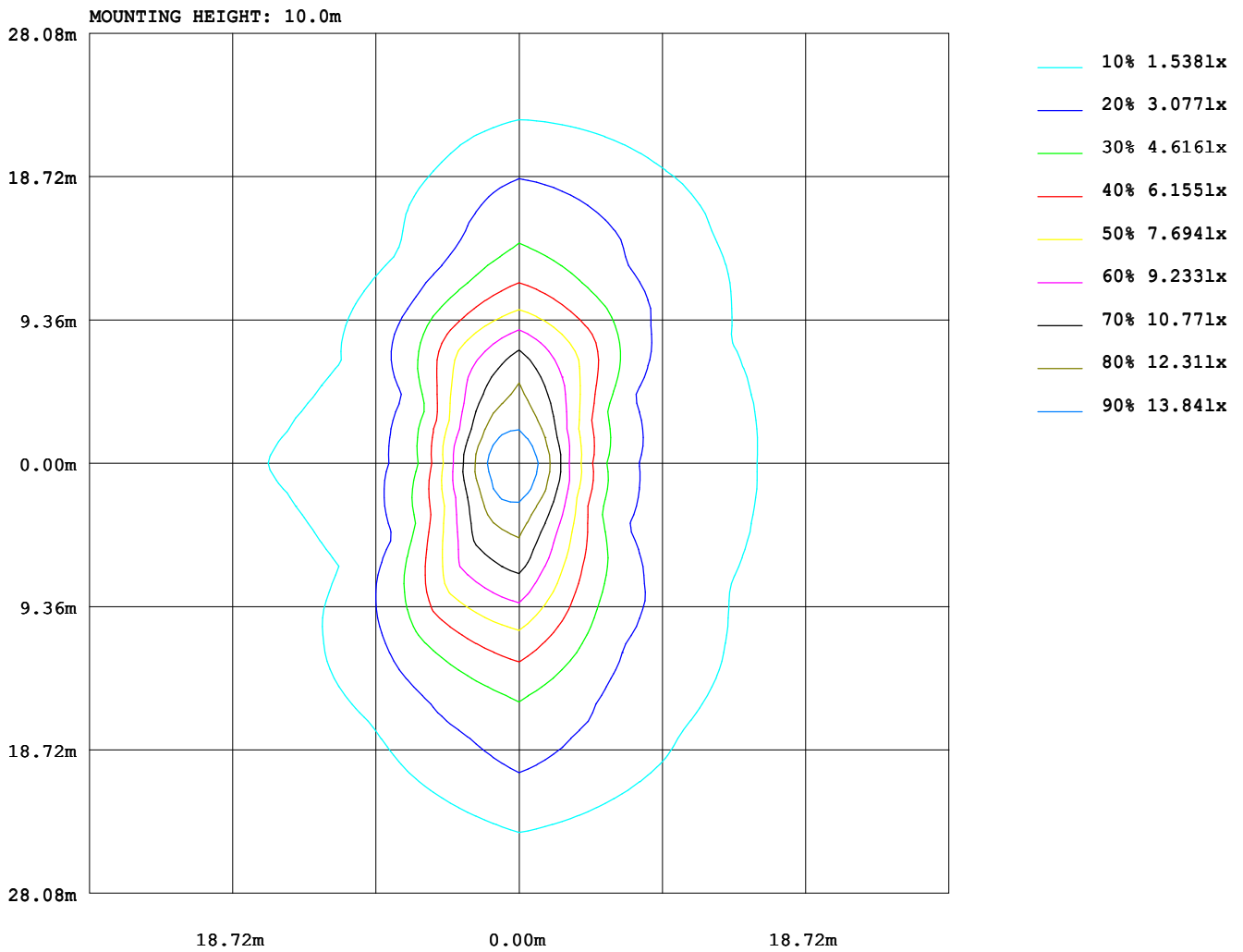
Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.760 m  
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: STL-W50-85.140	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-W50-85.140		TYPE:												WEIGHT:					
SPECIFICATION:		DIMENSION:												SERIAL No.:					

		AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a				
90		0.01	0.06	0.12	0.19	0.28	0.36	0.43	0.49	0.55	0.57	0.55	0.51	0.49	0.47	0.42	0.29	0.13	0.03	5.94	0.00						
80		0.02	0.08	0.16	0.25	0.35	0.47	0.95	2.55	4.74	6.77	7.72	6.91	3.12	0.74	0.47	0.31	0.14	0.03	35.8	21.0						
70		0.02	0.09	0.19	0.51	2.71	7.25	16.5	37.8	60.4	67.1	57.2	45.0	26.2	8.56	1.08	0.31	0.14	0.03	331	320						
60		0.02	0.09	0.34	4.05	12.5	20.7	29.8	50.0	68.6	72.4	62.8	52.9	40.5	21.9	4.09	0.36	0.14	0.03	442	436						
50		0.03	0.10	1.50	10.1	17.9	24.0	37.3	51.9	62.5	62.8	53.8	43.1	34.0	25.2	11.0	1.03	0.14	0.03	437	433						
40		0.03	0.12	3.58	13.8	16.3	24.1	37.9	50.4	57.8	57.0	48.4	37.4	25.7	21.7	15.7	2.98	0.14	0.03	414	411						
30		0.03	0.16	5.57	15.0	15.4	19.9	32.4	43.8	49.4	48.3	40.7	29.7	19.5	17.6	17.5	5.31	0.16	0.03	361	359						
		0.03	0.22	7.05	15.3	15.2	19.3	30.1	40.4	45.1	43.4	35.9	25.2	17.7	16.0	17.6	6.88	0.18	0.03	336	334						
		0.03	0.27	7.74	15.5	15.0	19.6	31.0	40.9	45.7	43.2	35.1	24.5	16.8	15.3	17.6	7.43	0.19	0.03	336	335						
		0.03	0.29	7.81	15.6	15.3	20.4	31.7	41.4	45.9	43.7	35.2	24.1	16.4	15.3	17.6	7.43	0.19	0.03	339	337						
		0.03	0.29	7.30	15.3	15.9	21.8	32.5	42.1	46.3	43.5	34.9	23.5	16.7	16.1	17.7	6.85	0.18	0.03	342	340						
-30		0.03	0.26	6.12	14.9	16.3	23.0	36.9	47.4	50.3	46.7	37.0	26.2	18.2	18.2	17.5	5.24	0.15	0.03	365	363						
-40		0.03	0.17	4.33	14.0	17.2	29.4	45.3	56.0	59.3	54.8	42.4	31.5	24.1	21.9	15.8	2.89	0.13	0.03	420	417						
-50		0.03	0.11	2.21	11.8	21.2	34.7	52.9	64.5	70.4	65.6	50.9	38.2	31.6	24.4	10.8	0.98	0.12	0.03	481	477						
-60		0.02	0.09	0.69	5.93	18.0	34.0	52.4	69.0	81.1	78.3	62.2	47.9	37.5	21.0	3.87	0.30	0.11	0.02	513	507						
-70		0.02	0.09	0.19	1.10	5.08	13.8	30.4	57.8	82.5	85.1	66.4	45.4	24.8	8.23	1.05	0.23	0.10	0.02	423	413						
-80		0.02	0.08	0.16	0.26	0.45	0.83	2.88	8.86	16.0	17.7	13.3	8.49	3.79	0.97	0.35	0.19	0.08	0.02	74.6	56.5						
-90		0.01	0.06	0.13	0.22	0.32	0.43	0.59	0.80	0.99	1.00	0.82	0.62	0.46	0.34	0.23	0.14	0.07	0.02	7.26	0.00						
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)										20	30	40	50	60	70	80	90
Φ t		0.42	2.63	55.2	154	206	315	503	707	848	839	686	512	358	254	171	49.1	2.47	0.48	5723							
Φ a		0.00	0.00	44.3	146	199	308	497	701	843	833	681	507	354	247	162	37.6	0.00	0.00		5562						

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:

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 Test Distance:6.760 m  
 Remarks:



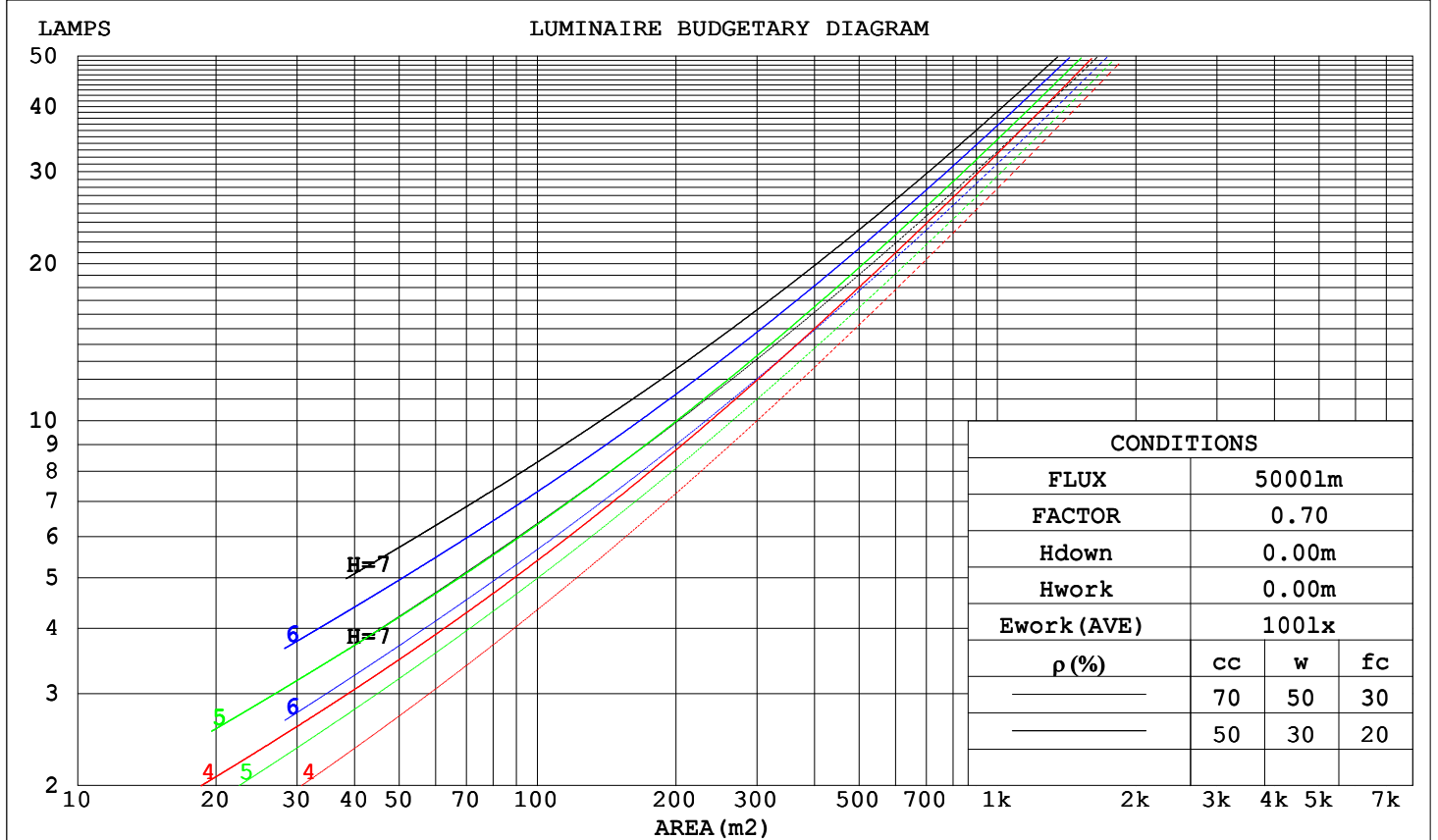
HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:				Address:							
NAME: STL-W50-85.140				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 <sub>c</sub>	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



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 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Report number:

MANUFACTURER:				Address:											
NAME: STL-W50-85.140				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	.198	.198	.198	.170	.170	.170	.116	.116	.116	.066	.066	.066	.021	.021	.021	
1.0	.188	.164	.142	.161	.141	.123	.110	.097	.085	.063	.056	.049	.020	.018	.016	
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-W50-85.140					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	22.9	24.5	23.2	24.8	25.0	29.0	30.6	29.3	30.8	31.1
	3H	23.3	24.8	23.6	25.0	25.3	31.8	33.3	32.1	33.6	33.8
	4H	23.2	24.6	23.5	24.9	25.2	31.9	33.3	32.2	33.6	33.9
	6H	23.1	24.4	23.4	24.7	25.0	31.8	33.1	32.1	33.4	33.7
	8H	23.0	24.3	23.4	24.6	24.9	31.7	33.0	32.1	33.3	33.6
	12H	23.0	24.2	23.3	24.5	24.8	31.7	32.9	32.1	33.2	33.6
4H	2H	24.7	26.2	25.1	26.4	26.7	29.2	30.6	29.5	30.9	31.2
	3H	25.0	26.2	25.4	26.5	26.9	32.0	33.3	32.4	33.6	33.9
	4H	24.9	26.0	25.3	26.3	26.7	32.1	33.3	32.5	33.6	34.0
	6H	24.8	25.8	25.2	26.1	26.5	32.1	33.0	32.5	33.4	33.8
	8H	24.7	25.7	25.2	26.0	26.5	32.0	32.9	32.4	33.3	33.7
	12H	24.7	25.5	25.2	25.9	26.4	32.0	32.8	32.4	33.2	33.6
8H	4H	25.3	26.2	25.7	26.6	27.0	32.0	32.9	32.5	33.3	33.7
	6H	25.2	25.9	25.7	26.4	26.8	32.0	32.7	32.4	33.1	33.6
	8H	25.2	25.8	25.6	26.3	26.7	31.9	32.6	32.4	33.0	33.5
	12H	25.1	25.7	25.6	26.2	26.7	31.9	32.5	32.4	32.9	33.4
12H	4H	25.2	26.1	25.7	26.5	26.9	32.0	32.8	32.4	33.2	33.7
	6H	25.2	25.8	25.6	26.3	26.7	31.9	32.6	32.4	33.0	33.5
	8H	25.1	25.7	25.6	26.2	26.7	31.9	32.4	32.4	32.9	33.4

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 5723 lm Total Lamp Luminous Flux. (8log(F/F0) = 6.1)

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-W50-85.140	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			

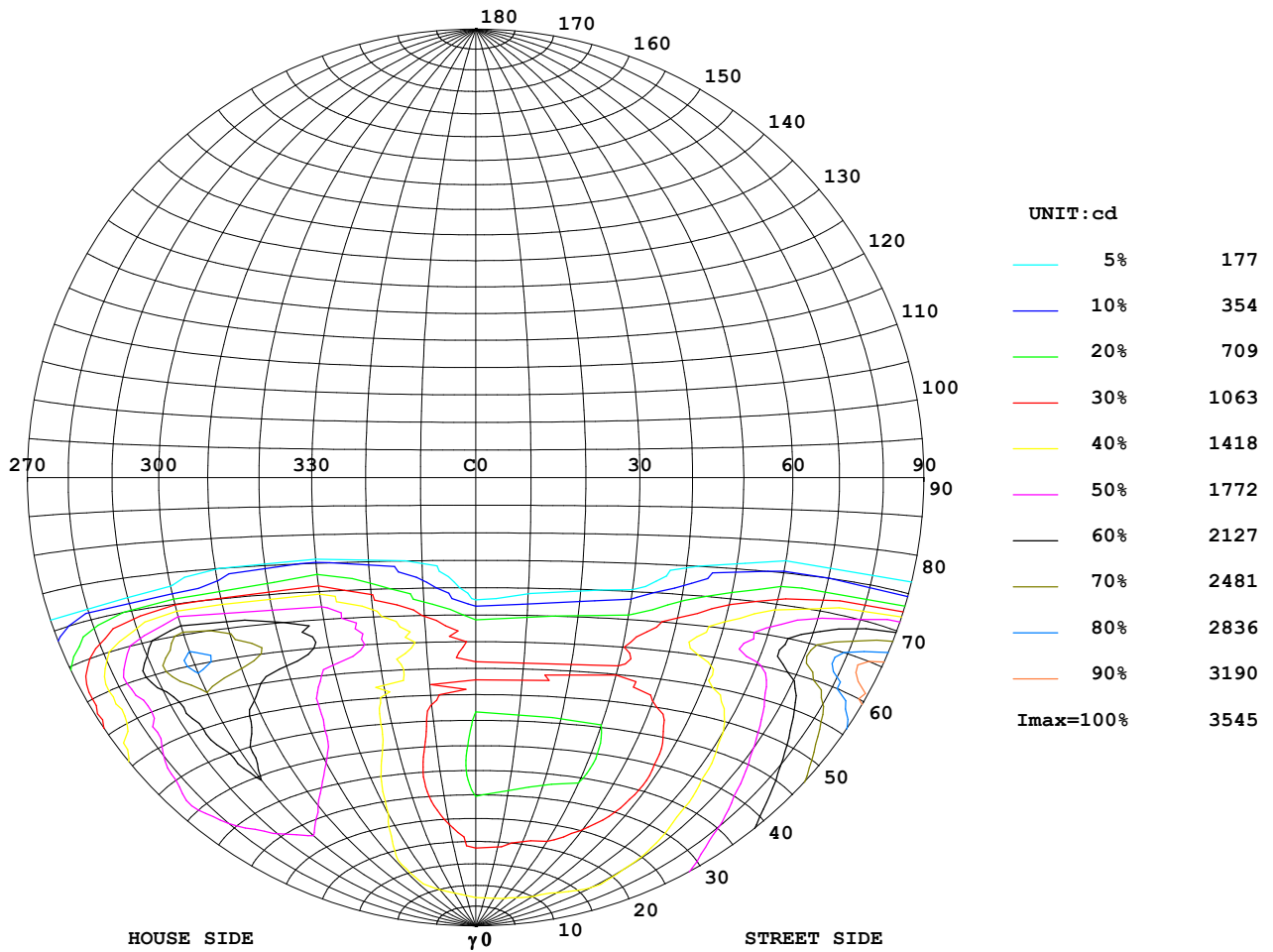
Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:

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-W50-85.140	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:

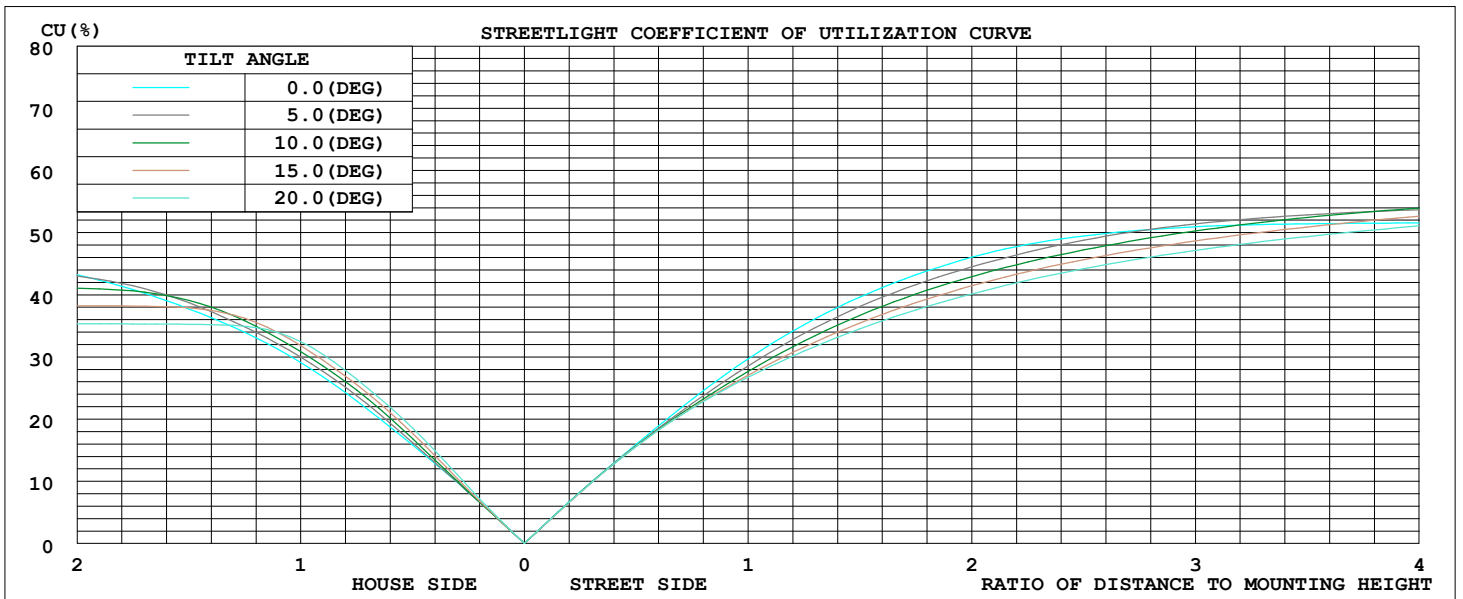
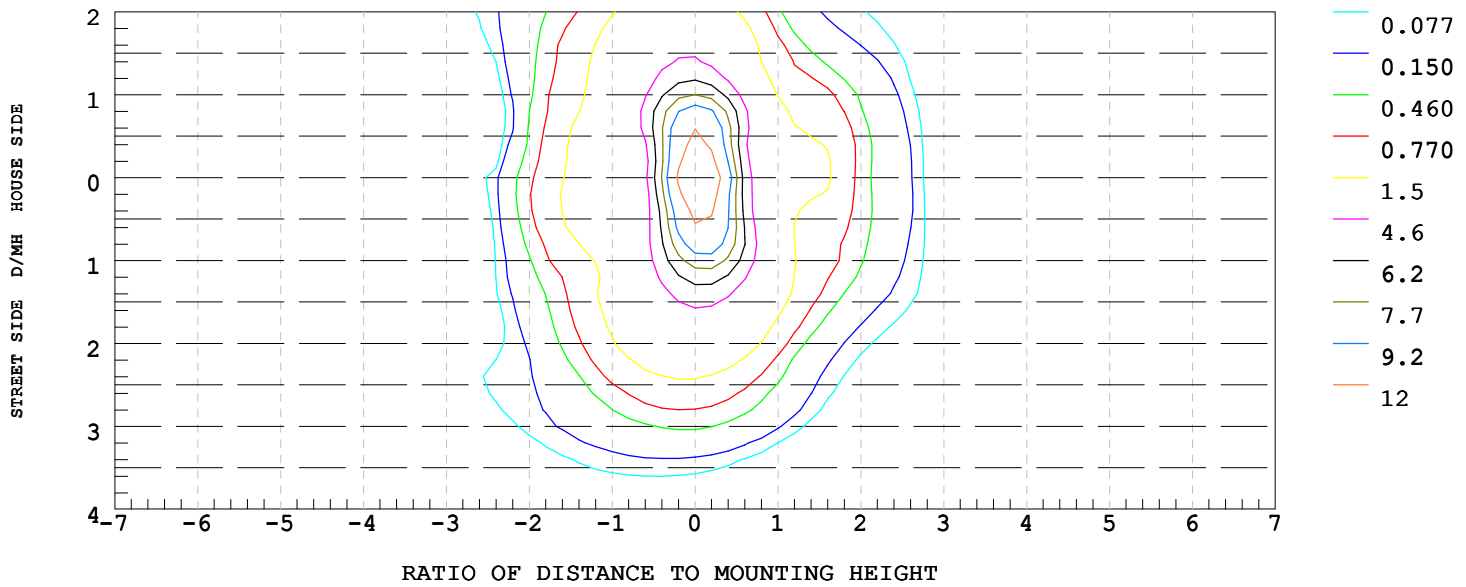
Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.760 m  
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: STL-W50-85.140	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 15.39 lx



Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:

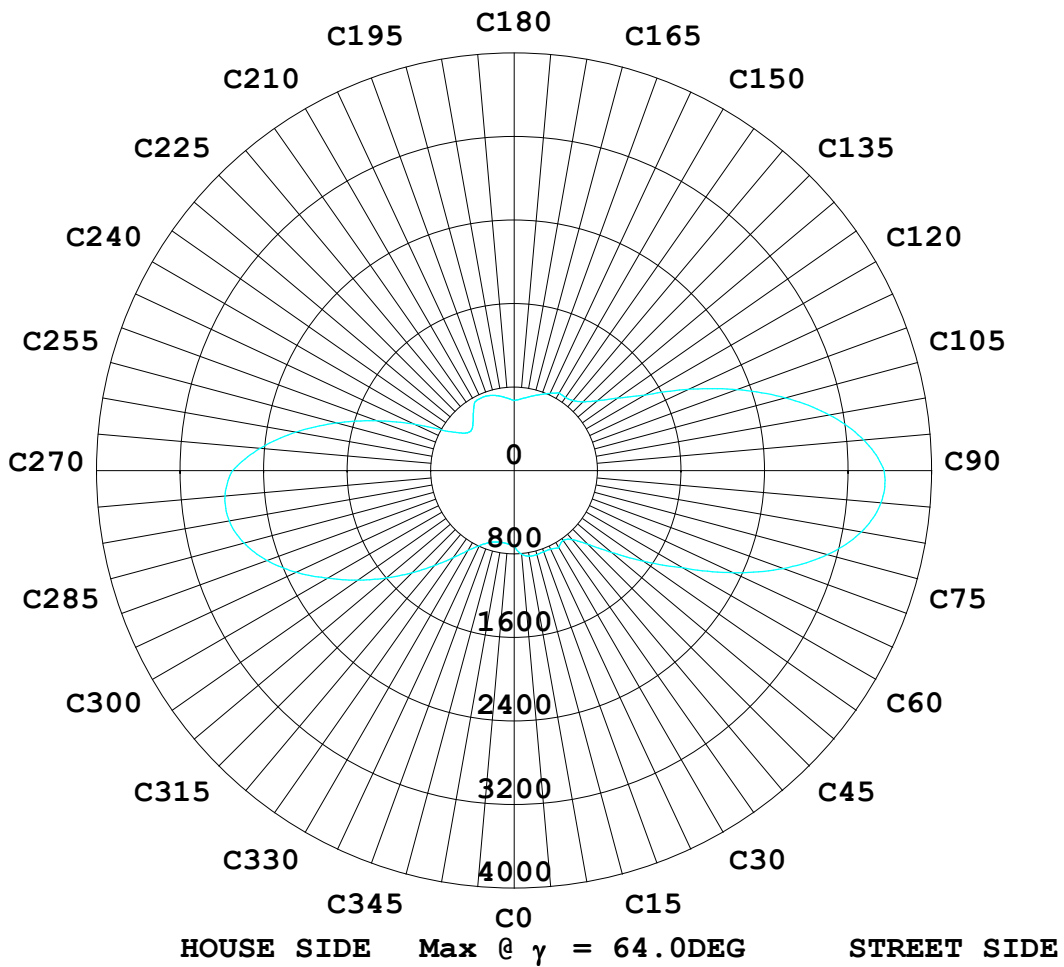
Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.760 m  
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: STL-W50-85.140	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:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME: STL-W50-85.140</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd

γ (DEG)	C (DEG)											
	0	30	60	90	120	150	180	210	240	270	300	330
0.0	1539	1526	1519	1514	1508	1507	1539	1526	1519	1514	1508	1507
5.0	1460	1461	1482	1515	1514	1522	1555	1536	1515	1507	1475	1443
10.0	1344	1359	1446	1526	1540	1484	1500	1482	1504	1484	1417	1354
15.0	1203	1275	1385	1525	1529	1449	1403	1415	1468	1496	1388	1252
20.0	1009	1112	1336	1568	1530	1363	1275	1323	1478	1575	1375	1119
25.0	858	951	1302	1668	1600	1258	1115	1193	1497	1689	1395	993
30.0	701	805	1286	1818	1686	1142	922	1024	1554	1855	1447	876
35.0	634	695	1300	1993	1797	1025	747	861	1615	2030	1507	769
40.0	644	672	1329	2196	1940	880	696	738	1680	2138	1611	718
45.0	687	704	1371	2389	2062	794	694	712	1626	2182	1659	718
50.0	847	832	1441	2597	2099	757	711	704	1464	2277	1654	757
55.0	1133	1077	1537	2806	2019	729	918	726	1121	2462	1695	1076
60.0	1000	1055	1720	3280	1854	787	999	798	950	2958	2029	994
65.0	597	812	1884	3386	1341	822	524	666	665	2617	1933	814
70.0	53.7	207	1210	2058	515	362	197	286	251	1004	1263	209
75.0	14.7	25.5	396	274	42.1	66.6	13.5	31.3	25.0	57.0	387	31.3
80.0	11.2	19.6	32.8	36.5	21.6	15.3	9.25	15.6	13.9	27.9	22.2	27.4
85.0	8.51	13.4	19.3	41.1	17.9	11.9	10.7	11.4	15.0	17.8	17.5	27.2
90.0	6.33	10.4	20.3	26.7	17.7	10.1	3.66	9.11	12.0	14.4	17.8	23.0
95.0	5.74	6.68	15.3	26.8	10.1	7.57	3.02	7.03	7.67	10.5	12.5	12.5
100.0	5.44	5.19	8.76	14.8	9.15	4.80	3.81	5.79	7.08	10.6	7.92	7.12
105.0	5.64	4.35	7.87	9.45	9.80	5.39	4.40	6.23	8.07	11.7	7.47	5.84
110.0	6.08	4.70	8.41	9.95	10.3	6.08	5.05	6.88	8.86	12.7	8.51	6.53
115.0	6.33	5.24	9.25	10.8	10.6	6.43	5.29	7.17	9.15	13.1	9.40	6.93
120.0	6.53	5.79	9.60	11.1	10.9	6.88	5.74	7.32	9.60	13.5	10.0	7.42
125.0	6.98	6.43	10.1	11.4	11.2	7.37	5.99	7.92	10.2	13.7	10.6	8.11
130.0	7.42	7.12	10.5	11.8	11.4	7.72	6.53	8.36	10.3	13.8	11.1	8.86
135.0	8.07	7.77	10.9	12.1	11.8	8.21	7.03	8.71	10.9	14.1	11.3	9.25
140.0	8.86	8.41	11.0	12.3	11.7	8.61	8.07	9.45	10.9	14.2	11.4	9.90
145.0	9.45	9.11	11.0	11.8	11.3	9.15	8.81	9.80	10.7	13.6	11.6	10.3
150.0	10.2	9.60	11.2	11.3	11.0	9.15	9.25	9.90	10.4	12.9	11.3	10.3
155.0	10.6	10.1	11.2	11.2	11.0	9.35	10.0	10.2	10.4	12.5	11.3	10.6
160.0	11.2	10.4	11.3	11.1	10.8	9.60	10.6	10.6	10.3	12.1	11.2	10.8
165.0	12.0	10.9	11.4	11.1	10.9	10.1	11.0	11.0	10.3	11.8	11.1	11.2
170.0	12.4	11.2	11.6	11.0	11.0	10.2	11.0	11.0	10.5	11.5	11.0	11.1
175.0	12.1	11.2	11.2	10.8	10.9	10.4	11.3	11.1	10.4	11.4	10.7	11.0
180.0	11.8	11.0	10.9	10.9	11.0	10.6	11.8	11.3	10.6	11.2	10.5	10.8

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
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