

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

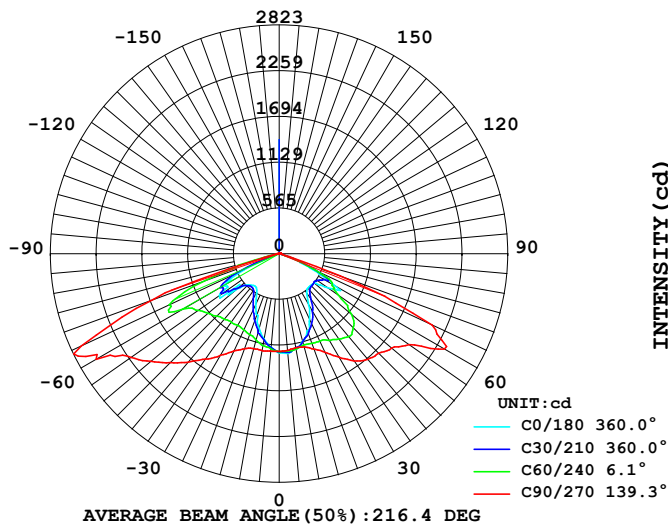
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

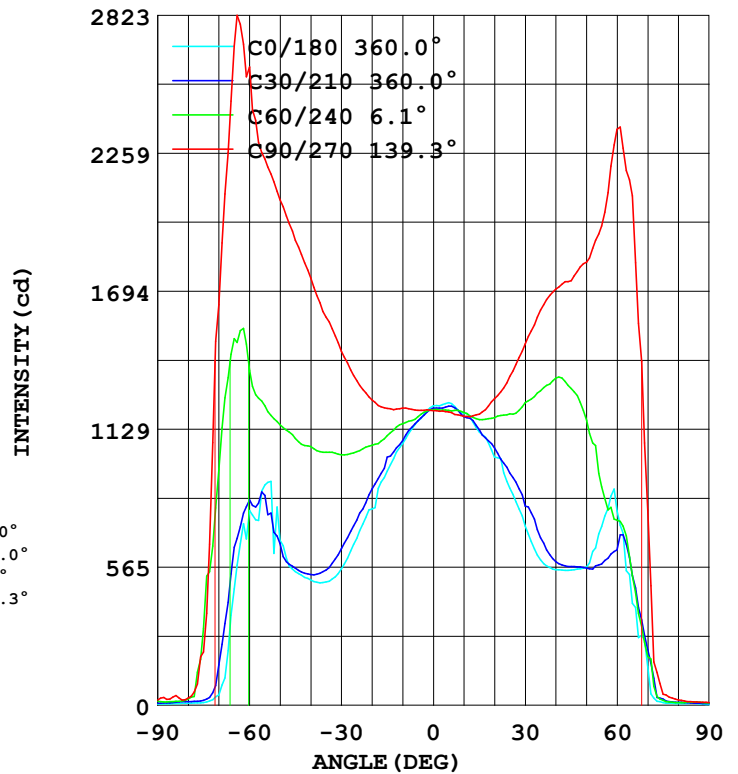
MANUFACTURER:		Address:	
NAME: STL-W40-85.140		TYPE:	WEIGHT:
SPECIFICATION:		DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	2823	S/MH (C0/180)	0.81
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	2.21
NOMINAL POWER (W)	40	TOTAL FLUX (lm)	4558.5	Voltage (V)	221.8
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	114.5	Current (A)	0.183
NOMINAL FLUX (lm)	4558.5	η up (%)	1.0	Power (W)	39.79
LAMPS QUANTITY	1	η down (%)	99.0	Power Factor (PF)	0.978
TEST VOLTAGE (V)	221.8	Effective Flux (lm)	4430.1	EET	0.122

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



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:

Color Temperature Data List

Report number:

MANUFACTURER:	Address:	
NAME: STL-W40-85.140	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

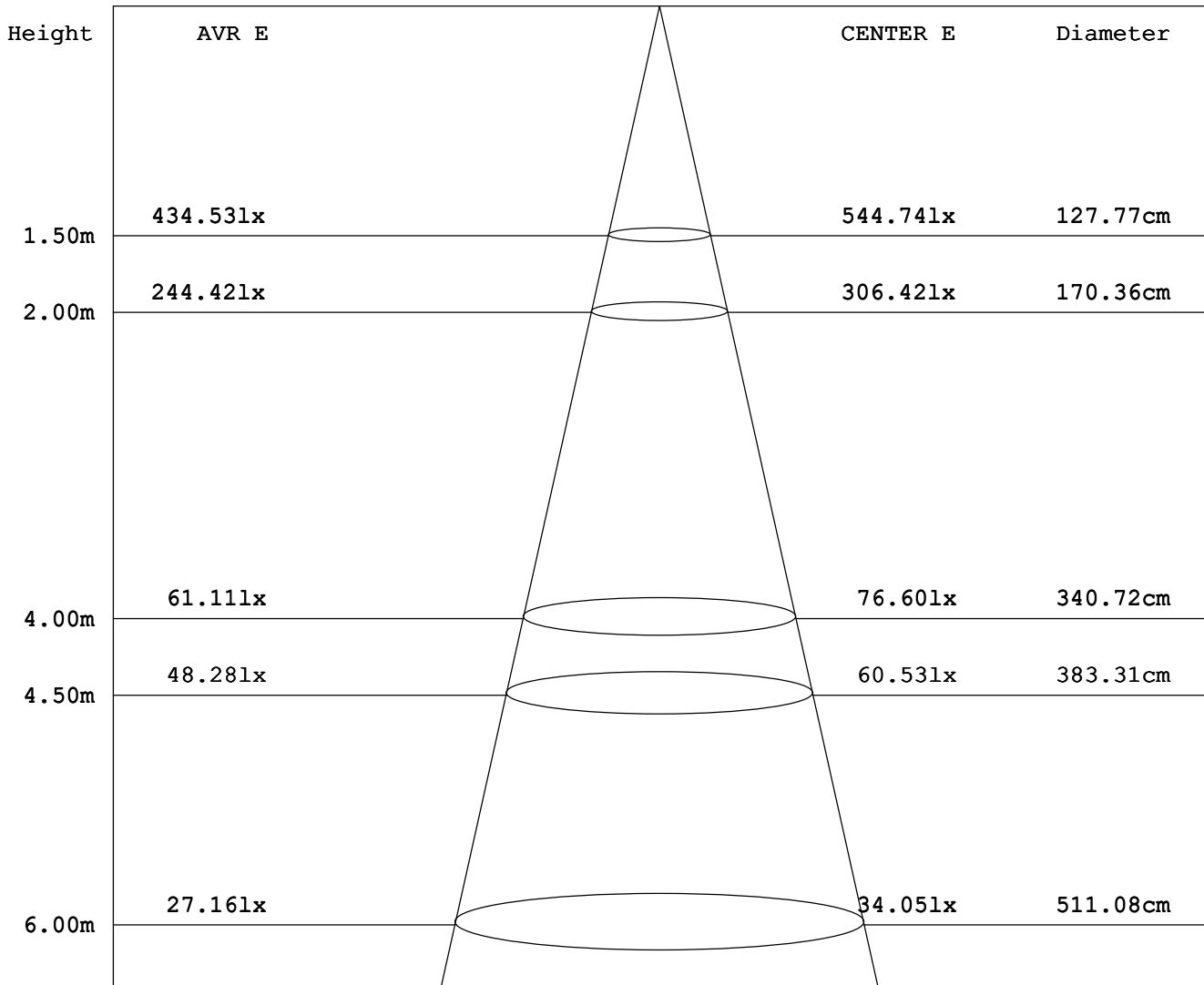
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:

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-W40-85.140	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-W40-85.140	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	1163	1172	1206	1209	1238	1215	1200	1162	0- 5	28.69	28.69
10.0	1070	1117	1215	1205	1195	1189	1182	1103	5- 10	84.12	112.8
15.0	958.5	1059	1214	1186	1117	1148	1191	1051	10- 15	134.7	247.5
20.0	803.9	975.1	1249	1152	1016	1115	1254	993.1	15- 20	179.0	426.6
25.0	683.4	897.2	1328	1138	888.1	1071	1345	951.0	20- 25	219.8	646.5
30.0	558.0	832.7	1448	1126	734.1	1027	1477	925.1	25- 30	257.2	903.8
35.0	504.6	794.3	1588	1124	594.5	986.1	1617	906.3	30- 35	293.8	1198
40.0	513.0	796.8	1749	1123	554.5	963.0	1703	927.5	35- 40	333.9	1532
45.0	546.9	826.0	1902	1138	552.9	931.1	1738	946.5	40- 45	379.1	1911
50.0	674.5	905.0	2069	1137	566.0	863.1	1813	960.0	45- 50	425.5	2336
55.0	902.2	1041	2235	1094	731.1	735.5	1961	1104	50- 55	481.7	2818
60.0	796.6	1105	2612	1052	795.6	696.1	2356	1204	55- 60	545.0	3363
65.0	475.7	1074	2697	861.4	417.6	530.2	2084	1094	60- 65	573.1	3936
70.0	42.82	564.3	1639	349.4	157.2	213.8	800.0	586.0	65- 70	400.9	4337
75.0	11.71	167.9	218.3	43.31	10.80	22.45	45.46	166.7	70- 75	138.8	4476
80.0	8.951	20.90	29.10	14.74	7.374	11.79	22.24	19.79	75- 80	19.75	4496
85.0	6.782	13.05	32.77	11.90	8.596	10.54	14.19	17.84	80- 85	8.216	4504
90.0	5.047	12.28	21.33	11.10	2.918	8.419	11.51	16.28	85- 90	6.996	4511
95.0	4.574	8.793	21.37	7.058	2.405	5.856	8.399	9.976	90- 95	5.263	4516
100.0	4.337	5.560	11.79	5.560	3.036	5.126	8.478	5.994	95-100	4.056	4520
105.0	4.495	4.870	7.532	6.053	3.509	5.698	9.385	5.303	100-105	3.073	4523
110.0	4.850	5.225	7.926	6.565	4.022	6.270	10.17	5.994	105-110	3.130	4527
115.0	5.047	5.777	8.675	6.822	4.219	6.506	10.45	6.506	110-115	3.269	4530
120.0	5.205	6.132	8.912	7.098	4.574	6.743	10.76	6.940	115-120	3.304	4533
125.0	5.560	6.605	9.148	7.433	4.771	7.255	10.96	7.492	120-125	3.309	4536
130.0	5.915	7.039	9.424	7.650	5.205	7.472	11.00	7.985	125-130	3.257	4540
135.0	6.427	7.472	9.661	7.985	5.599	7.827	11.27	8.202	130-135	3.161	4543
140.0	7.058	7.768	9.819	8.103	6.427	8.123	11.31	8.498	135-140	3.022	4546
145.0	7.532	8.044	9.424	8.182	7.019	8.202	10.88	8.754	140-145	2.794	4549
150.0	8.162	8.301	9.069	8.064	7.374	8.123	10.29	8.655	145-150	2.480	4551
155.0	8.517	8.537	8.951	8.123	8.005	8.261	10.01	8.793	150-155	2.151	4553
160.0	8.991	8.715	8.872	8.143	8.478	8.399	9.700	8.833	155-160	1.811	4555
165.0	9.582	8.951	8.912	8.379	8.833	8.537	9.464	8.931	160-165	1.449	4557
170.0	9.898	9.129	8.793	8.478	8.793	8.616	9.227	8.853	165-170	1.057	4558
175.0	9.661	8.951	8.675	8.537	9.030	8.616	9.109	8.715	170-175	0.634	4558
180.0	9.464	8.774	8.715	8.655	9.424	8.754	8.991	8.557	175-180	0.211	4559
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

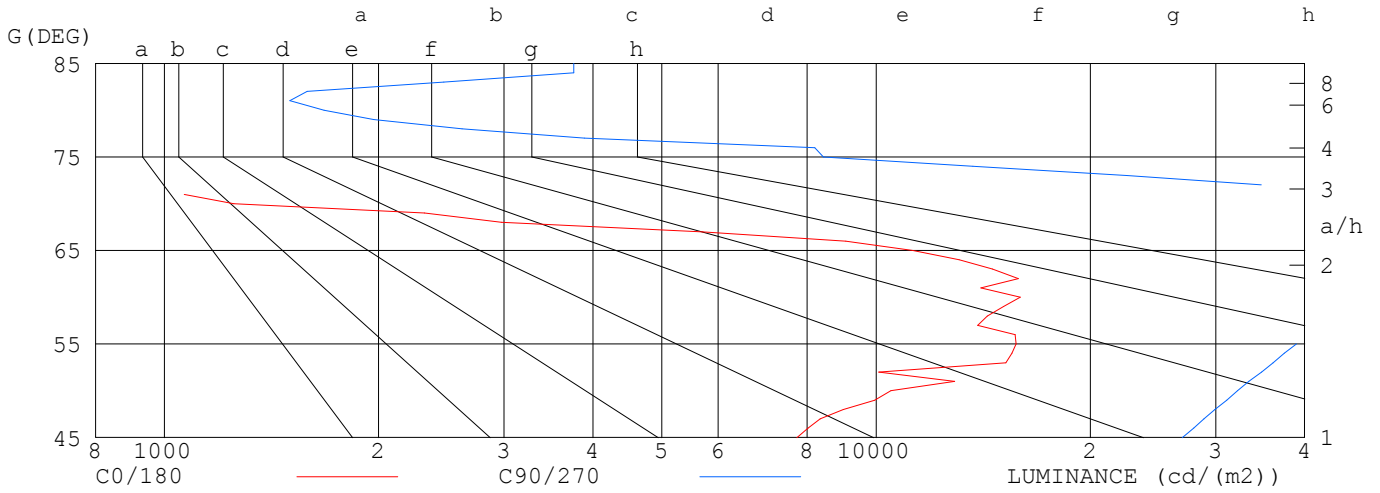
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		Address:	
NAME: STL-W40-85.140		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



LUMINANCE cd/ (m2)		
G (DEG)	C0/180	C90/270
85	778	3760
80	516	1676
75	453	8436
70	1252	47916
65	11256	63808
60	15934	52244
55	15730	38969
50	10494	32184
45	7735	26905

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:

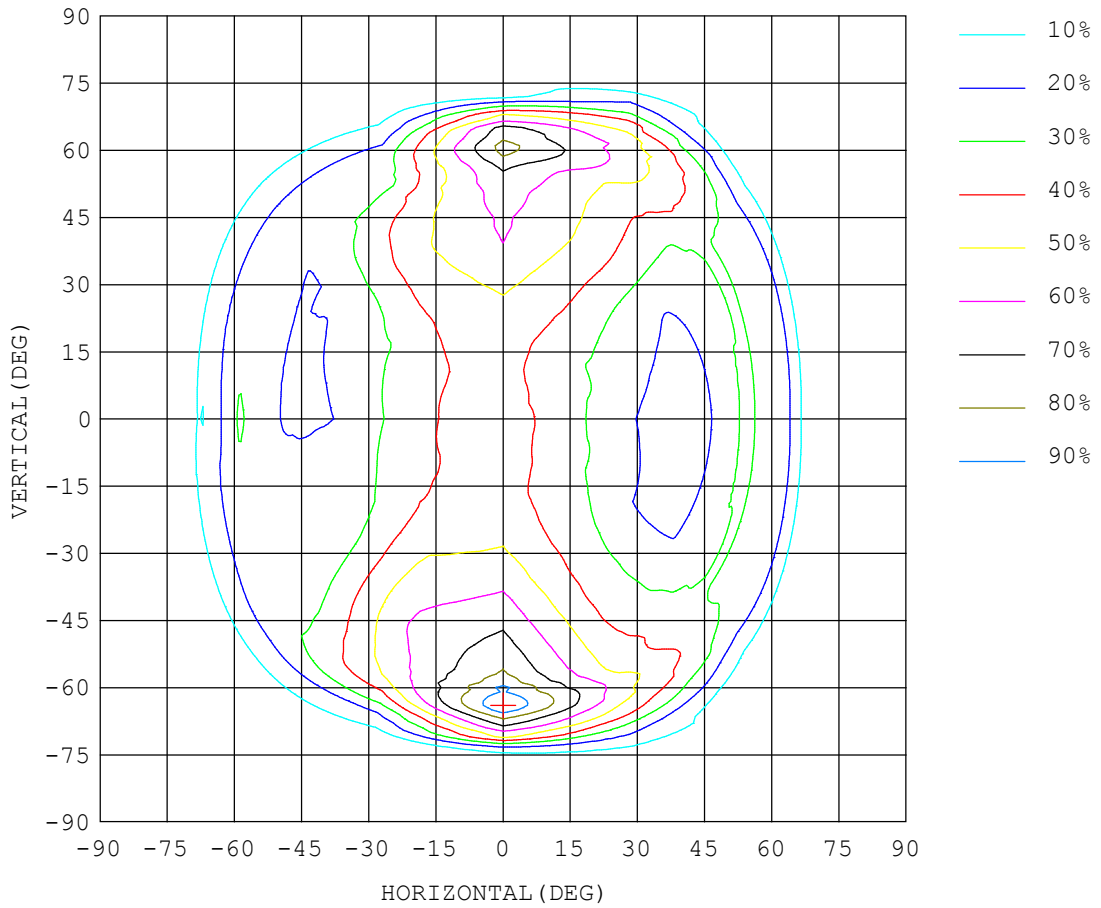
HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: STL-W40-85.140	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

UNIT: cd



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:

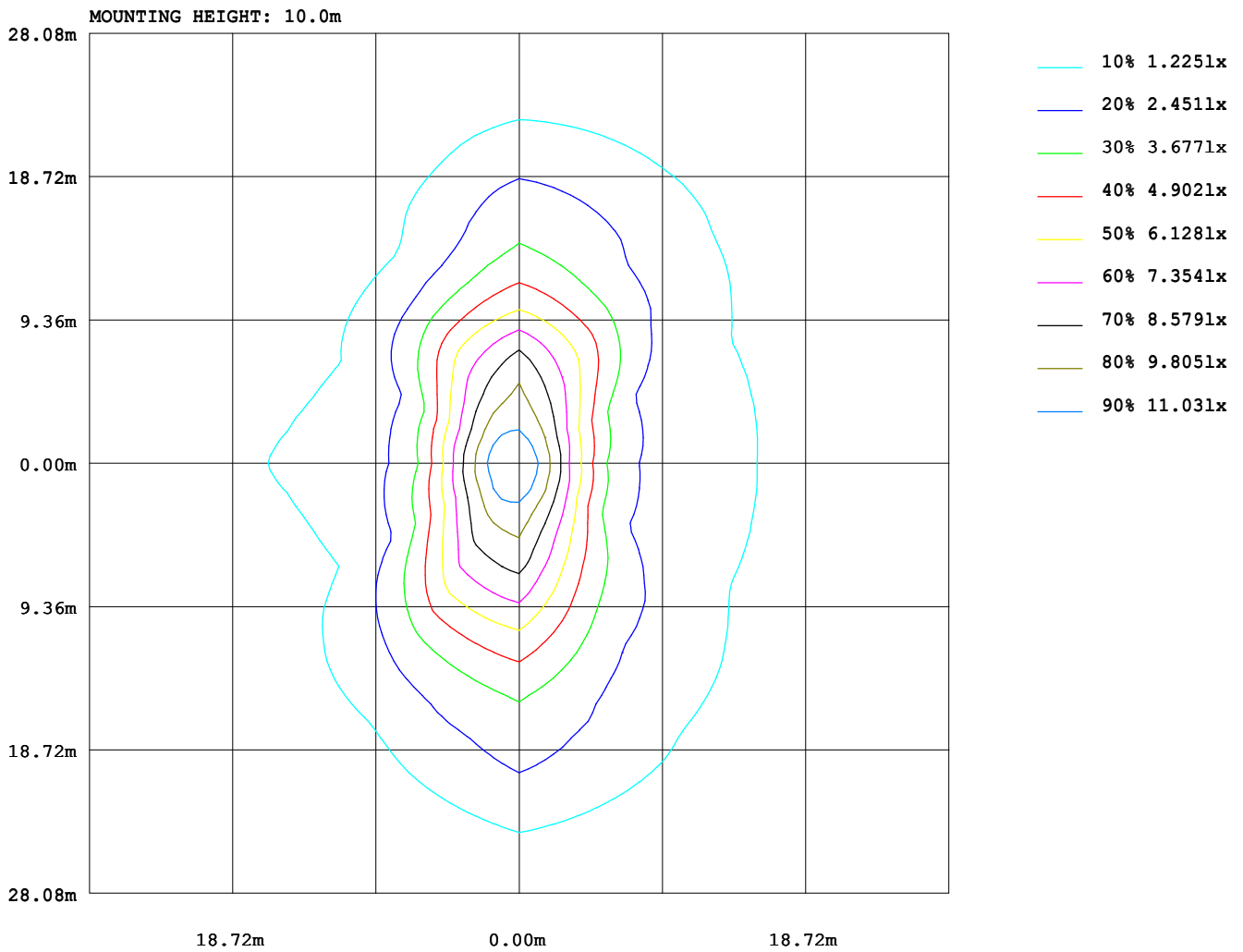
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.760 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: STL-W40-85.140	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-W40-85.140		TYPE:	WEIGHT:
SPECIFICATION:		DIMENSION:	SERIAL No.:

		AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a	
VERTICAL (DEG)	90	0.01	0.05	0.10	0.15	0.22	0.28	0.34	0.39	0.44	0.46	0.44	0.41	0.39	0.37	0.34	0.23	0.10	0.02	4.73	0.00		
	80	0.01	0.06	0.13	0.20	0.27	0.38	0.76	2.03	3.78	5.39	6.15	5.50	2.49	0.59	0.37	0.24	0.11	0.02	28.5	16.7		
	70	0.02	0.07	0.15	0.40	2.16	5.77	13.1	30.1	48.1	53.5	45.5	35.8	20.9	6.82	0.87	0.25	0.11	0.02	264	255		
	60	0.02	0.08	0.27	3.23	9.99	16.5	23.7	39.8	54.6	57.6	50.0	42.1	32.2	17.4	3.26	0.29	0.11	0.02	352	347		
	50	0.02	0.08	1.20	8.05	14.2	19.1	29.7	41.3	49.8	50.0	42.9	34.3	27.1	20.1	8.83	0.83	0.11	0.02	348	345		
	40	0.02	0.10	2.85	10.9	13.0	19.2	30.2	40.1	46.1	45.4	38.5	29.7	20.5	17.3	12.5	2.37	0.11	0.02	330	327		
	30	0.02	0.13	4.44	12.0	12.3	15.8	25.8	34.9	39.4	38.4	32.4	23.6	15.5	14.0	14.0	4.23	0.13	0.02	288	286		
		0.02	0.18	5.61	12.2	12.1	15.4	23.9	32.2	35.9	34.6	28.6	20.1	14.1	12.8	14.0	5.48	0.15	0.02	268	266		
		0.02	0.21	6.16	12.4	12.0	15.6	24.7	32.5	36.4	34.4	28.0	19.5	13.3	12.2	14.0	5.92	0.15	0.02	268	267		
		0.02	0.23	6.22	12.4	12.2	16.3	25.2	32.9	36.6	34.8	28.0	19.2	13.0	12.1	14.0	5.92	0.15	0.02	270	269		
		0.02	0.23	5.81	12.2	12.7	17.4	25.8	33.6	36.9	34.6	27.8	18.7	13.3	12.8	14.1	5.45	0.14	0.02	272	271		
	-30	0.02	0.20	4.87	11.8	12.9	18.3	29.3	37.7	40.1	37.2	29.4	20.8	14.5	14.5	13.9	4.17	0.12	0.02	291	289		
	-40	0.02	0.14	3.45	11.2	13.7	23.4	36.1	44.6	47.2	43.6	33.8	25.1	19.2	17.4	12.6	2.30	0.10	0.02	335	332		
	-50	0.02	0.09	1.76	9.39	16.9	27.7	42.2	51.4	56.0	52.2	40.5	30.4	25.2	19.4	8.65	0.78	0.09	0.02	383	380		
	-60	0.02	0.07	0.55	4.72	14.3	27.1	41.7	54.9	64.6	62.3	49.5	38.1	29.8	16.7	3.08	0.24	0.09	0.02	408	404		
	-70	0.02	0.07	0.16	0.88	4.05	11.0	24.2	46.0	65.7	67.8	52.9	36.1	19.7	6.55	0.84	0.18	0.08	0.02	337	329		
	-80	0.01	0.06	0.12	0.21	0.36	0.66	2.29	7.06	12.8	14.1	10.6	6.76	3.02	0.77	0.28	0.15	0.07	0.02	59.4	45.0		
	-90	0.01	0.05	0.10	0.17	0.25	0.34	0.47	0.63	0.79	0.80	0.65	0.49	0.37	0.27	0.19	0.11	0.06	0.02	5.78	0.00		
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90		
Φ t		0.33	2.10	43.9	123	164	251	400	563	676	668	546	408	285	203	136	39.1	1.97	0.38	4559			
Φ a		0.00	0.00	35.3	116	158	245	396	559	671	663	542	404	282	197	129	29.9	0.00	0.00			4430	

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:

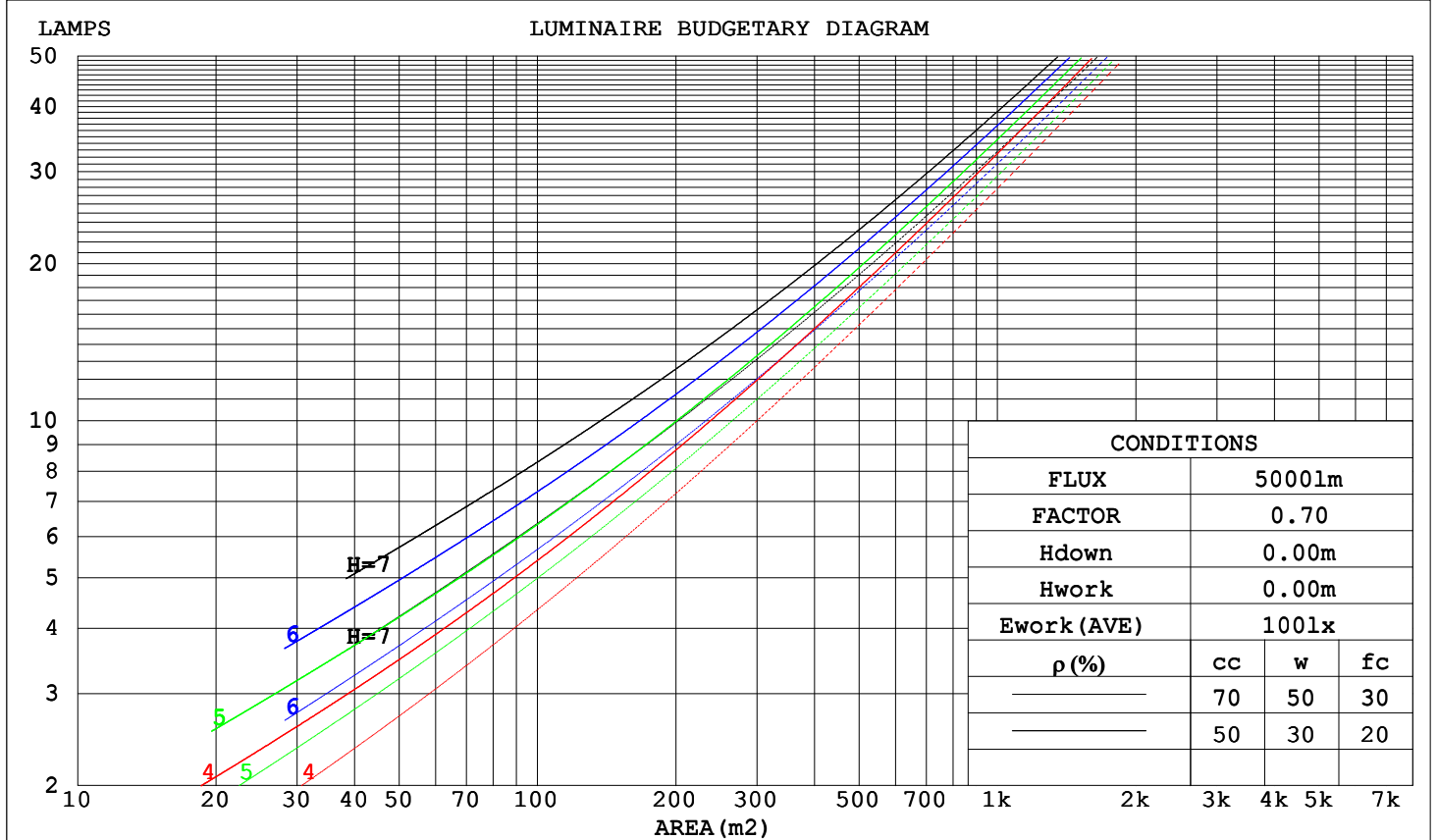
HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:				Address:							
NAME: STL-W40-85.140				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	.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-W40-85.140				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
pfC	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	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfC	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-W40-85.140					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	22.1	23.7	22.4	24.0	24.2	28.2	29.8	28.5	30.0	30.3
	3H	22.5	24.0	22.8	24.3	24.5	31.0	32.5	31.4	32.8	33.1
	4H	22.4	23.8	22.7	24.1	24.4	31.1	32.5	31.4	32.8	33.1
	6H	22.3	23.6	22.6	23.9	24.2	31.0	32.3	31.3	32.6	32.9
	8H	22.2	23.5	22.6	23.8	24.1	30.9	32.2	31.3	32.5	32.9
	12H	22.2	23.4	22.5	23.7	24.1	30.9	32.1	31.3	32.4	32.8
4H	2H	23.9	25.4	24.3	25.6	25.9	28.4	29.8	28.7	30.1	30.4
	3H	24.2	25.4	24.6	25.7	26.1	31.2	32.5	31.6	32.8	33.1
	4H	24.1	25.2	24.5	25.6	25.9	31.4	32.5	31.7	32.8	33.2
	6H	24.0	25.0	24.4	25.4	25.7	31.3	32.3	31.7	32.6	33.0
	8H	24.0	24.9	24.4	25.3	25.7	31.2	32.1	31.7	32.5	32.9
	12H	23.9	24.8	24.4	25.2	25.6	31.2	32.0	31.6	32.4	32.9
8H	4H	24.5	25.4	24.9	25.8	26.2	31.2	32.2	31.7	32.5	32.9
	6H	24.4	25.2	24.9	25.6	26.0	31.2	31.9	31.6	32.3	32.8
	8H	24.4	25.0	24.8	25.5	26.0	31.1	31.8	31.6	32.2	32.7
	12H	24.3	24.9	24.8	25.4	25.9	31.1	31.7	31.6	32.1	32.6
12H	4H	24.4	25.3	24.9	25.7	26.1	31.2	32.0	31.6	32.4	32.9
	6H	24.4	25.0	24.8	25.5	25.9	31.1	31.8	31.6	32.2	32.7
	8H	24.3	24.9	24.8	25.4	25.9	31.1	31.7	31.6	32.1	32.6

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 4559 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.3)

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-W40-85.140	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			

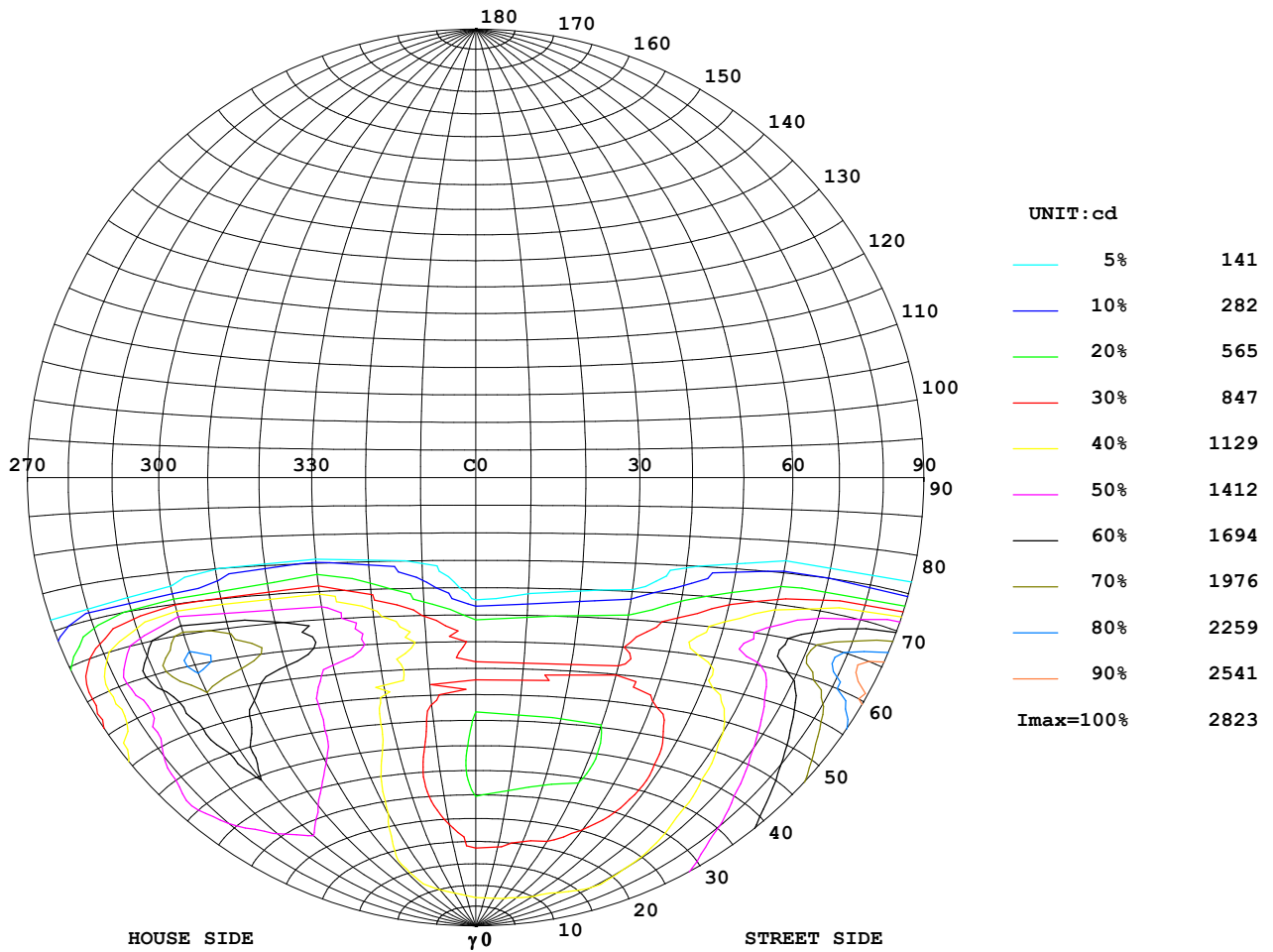
Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:

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-W40-85.140	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:

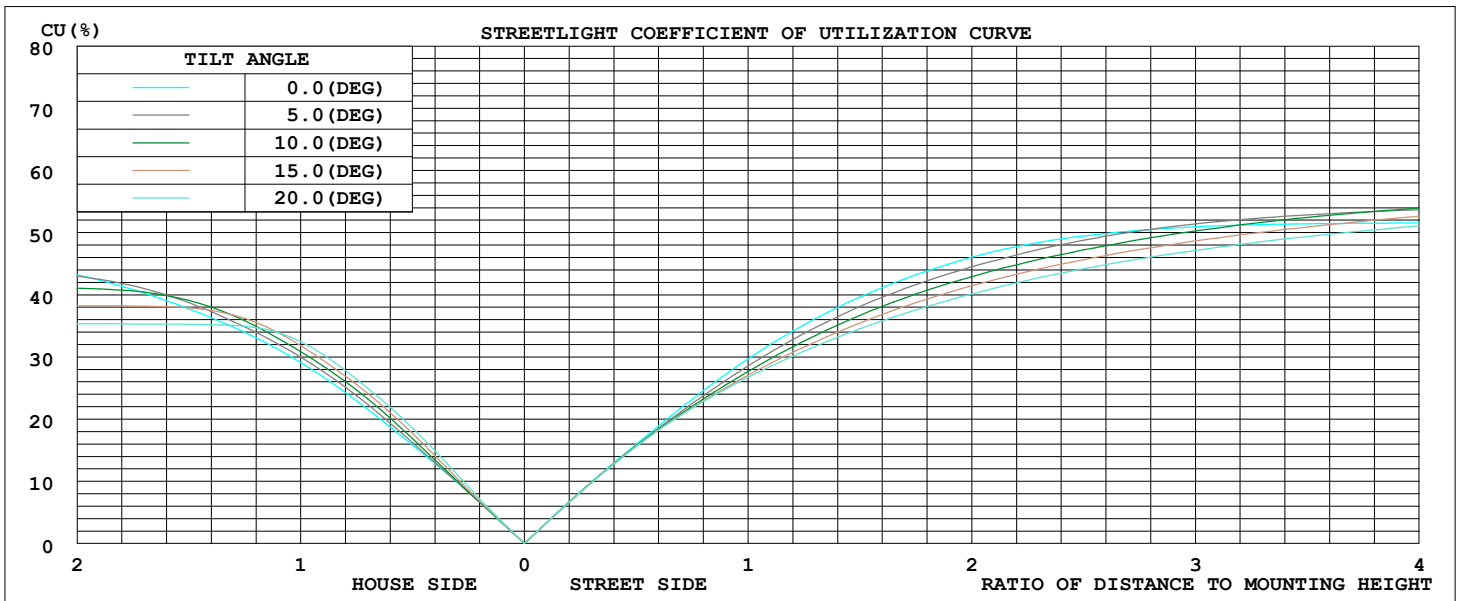
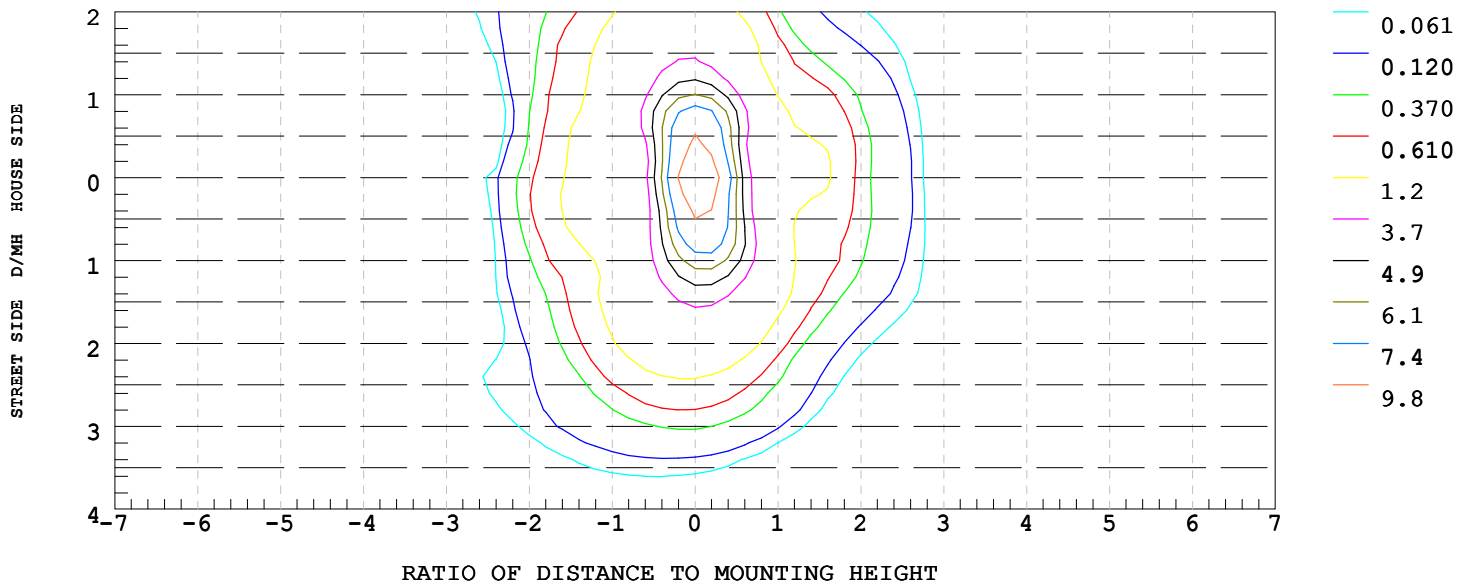
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.760 m
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: STL-W40-85.140	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 12.26 lx



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:

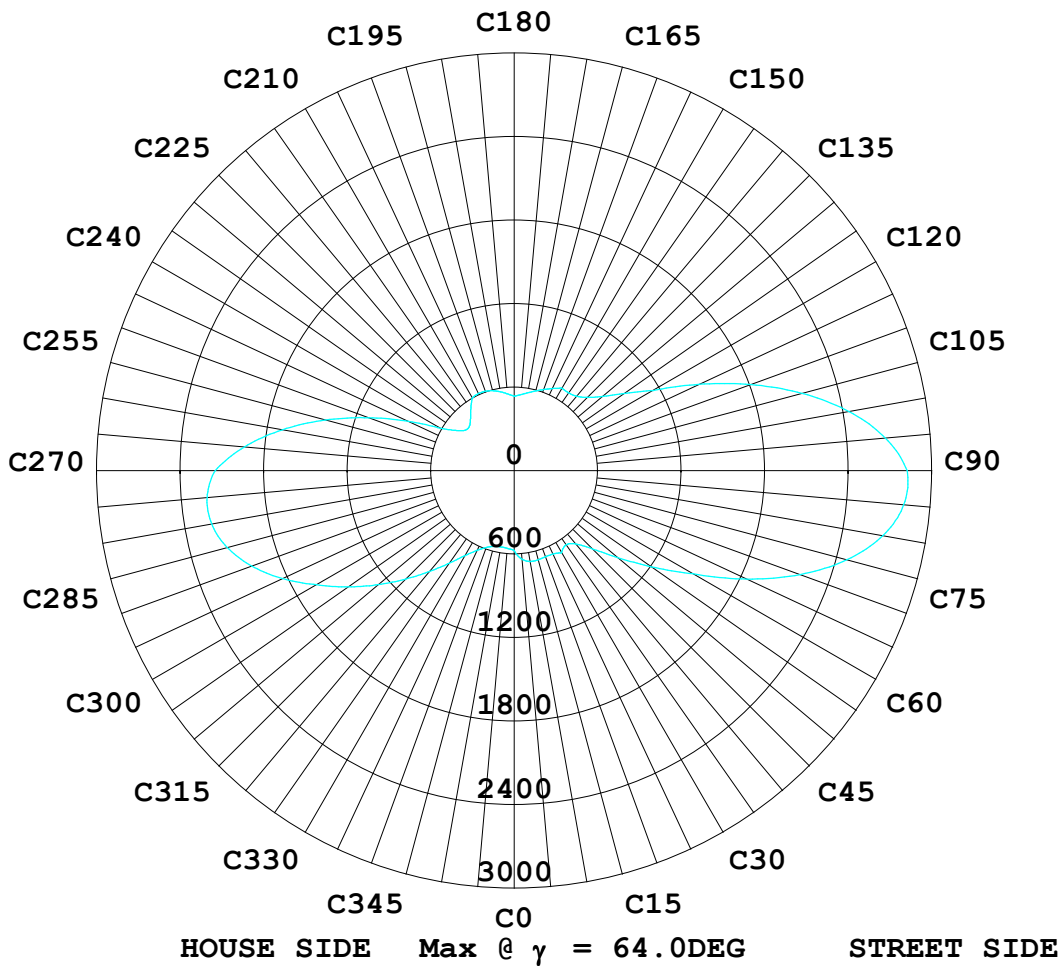
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.760 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: STL-W40-85.140	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-W40-85.140	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	1226	1215	1210	1206	1201	1200	1226	1215	1210	1206	1201	1200
5.0	1163	1163	1181	1206	1206	1212	1238	1223	1207	1200	1175	1149
10.0	1070	1082	1152	1215	1227	1182	1195	1180	1198	1182	1128	1079
15.0	959	1015	1103	1214	1218	1154	1117	1127	1169	1191	1105	997
20.0	804	886	1064	1249	1219	1086	1016	1054	1177	1254	1095	891
25.0	683	757	1037	1328	1274	1002	888	950	1192	1345	1111	791
30.0	558	641	1024	1448	1343	910	734	816	1237	1477	1152	698
35.0	505	554	1035	1588	1431	816	595	686	1286	1617	1200	612
40.0	513	535	1058	1749	1545	701	555	588	1338	1703	1283	572
45.0	547	561	1092	1902	1643	633	553	567	1295	1738	1322	571
50.0	675	662	1148	2069	1672	603	566	561	1166	1813	1317	603
55.0	902	858	1224	2235	1608	581	731	578	893	1961	1350	857
60.0	797	840	1370	2612	1476	627	796	635	757	2356	1616	792
65.0	476	647	1500	2697	1068	655	418	530	530	2084	1540	648
70.0	42.8	165	963	1639	410	288	157	227	200	800	1006	167
75.0	11.7	20.3	315	218	33.5	53.0	10.8	24.9	19.9	45.4	308	25.0
80.0	8.95	15.6	26.1	29.1	17.2	12.2	7.37	12.4	11.1	22.2	17.7	21.8
85.0	6.78	10.7	15.3	32.7	14.3	9.50	8.59	9.10	11.9	14.1	13.9	21.6
90.0	5.04	8.32	16.2	21.3	14.1	8.08	2.91	7.25	9.58	11.5	14.2	18.3
95.0	4.57	5.32	12.2	21.3	8.08	6.03	2.40	5.59	6.11	8.39	9.97	9.97
100.0	4.33	4.14	6.97	11.7	7.29	3.82	3.03	4.61	5.63	8.47	6.30	5.67
105.0	4.49	3.47	6.27	7.53	7.80	4.29	3.50	4.96	6.42	9.38	5.95	4.65
110.0	4.85	3.74	6.70	7.92	8.28	4.85	4.02	5.48	7.05	10.1	6.78	5.20
115.0	5.04	4.18	7.37	8.67	8.51	5.12	4.21	5.71	7.29	10.4	7.49	5.52
120.0	5.20	4.61	7.65	8.91	8.71	5.48	4.57	5.83	7.65	10.7	7.96	5.91
125.0	5.56	5.12	8.08	9.14	8.99	5.87	4.77	6.30	8.20	10.9	8.51	6.46
130.0	5.91	5.67	8.39	9.42	9.14	6.15	5.20	6.66	8.28	11.0	8.91	7.05
135.0	6.42	6.19	8.75	9.66	9.42	6.54	5.59	6.94	8.71	11.2	9.03	7.37
140.0	7.05	6.70	8.83	9.81	9.34	6.86	6.42	7.53	8.71	11.3	9.10	7.88
145.0	7.53	7.25	8.83	9.42	9.06	7.29	7.01	7.80	8.59	10.8	9.26	8.24
150.0	8.16	7.65	8.95	9.06	8.83	7.29	7.37	7.88	8.36	10.2	9.06	8.24
155.0	8.51	8.08	8.99	8.95	8.79	7.45	8.00	8.20	8.32	10.0	9.06	8.51
160.0	8.99	8.36	9.06	8.87	8.63	7.65	8.47	8.51	8.28	9.70	8.99	8.67
165.0	9.58	8.75	9.14	8.91	8.71	8.04	8.83	8.79	8.28	9.46	8.91	8.95
170.0	9.89	8.99	9.26	8.79	8.79	8.16	8.79	8.79	8.43	9.22	8.79	8.91
175.0	9.66	8.95	8.95	8.67	8.75	8.32	9.03	8.87	8.36	9.10	8.59	8.83
180.0	9.46	8.79	8.75	8.71	8.79	8.51	9.42	9.03	8.47	8.99	8.43	8.67

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: