

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

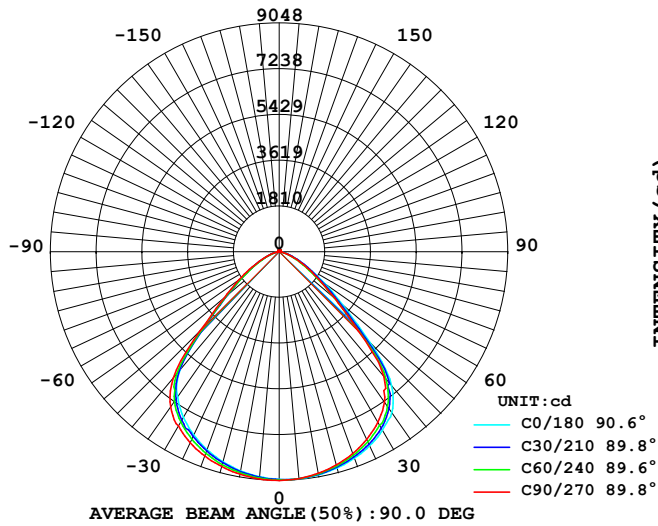
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

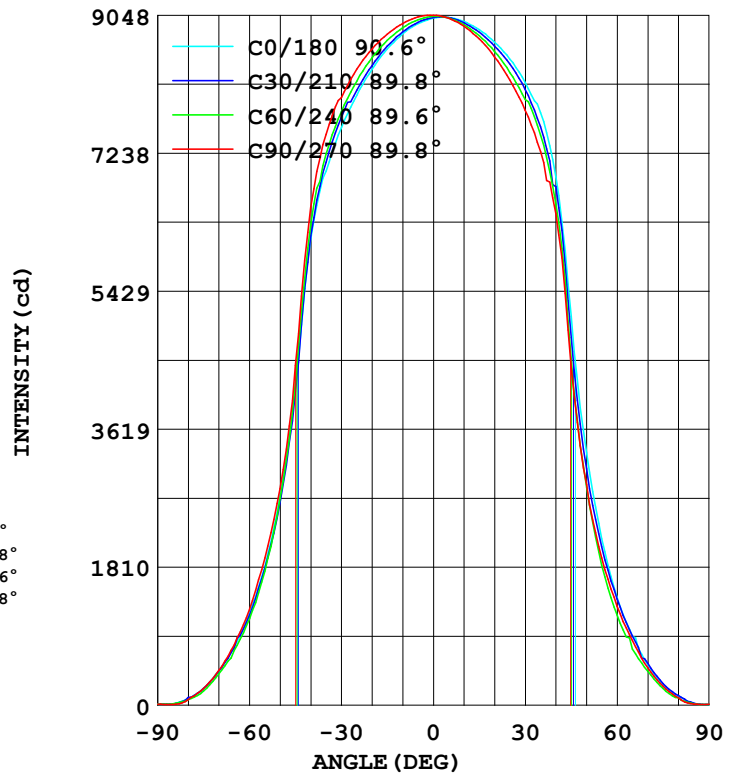
MANUFACTURER:		Address:	
NAME: UFO-100W		TYPE:UFO	WEIGHT:
SPECIFICATION:100W		DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	9092	S/MH (C0/180)	1.25
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.30
NOMINAL POWER (W)	104	TOTAL FLUX (lm)	18369	Voltage (V)	220.5
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	179.7	Current (A)	0.470
NOMINAL FLUX (lm)	18368.7	η up (%)	1.4	Power (W)	102.1
LAMPS QUANTITY	1	η down (%)	98.6	Power Factor (PF)	0.984
TEST VOLTAGE (V)	220.5	Effective Flux (lm)	0.0	EET	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



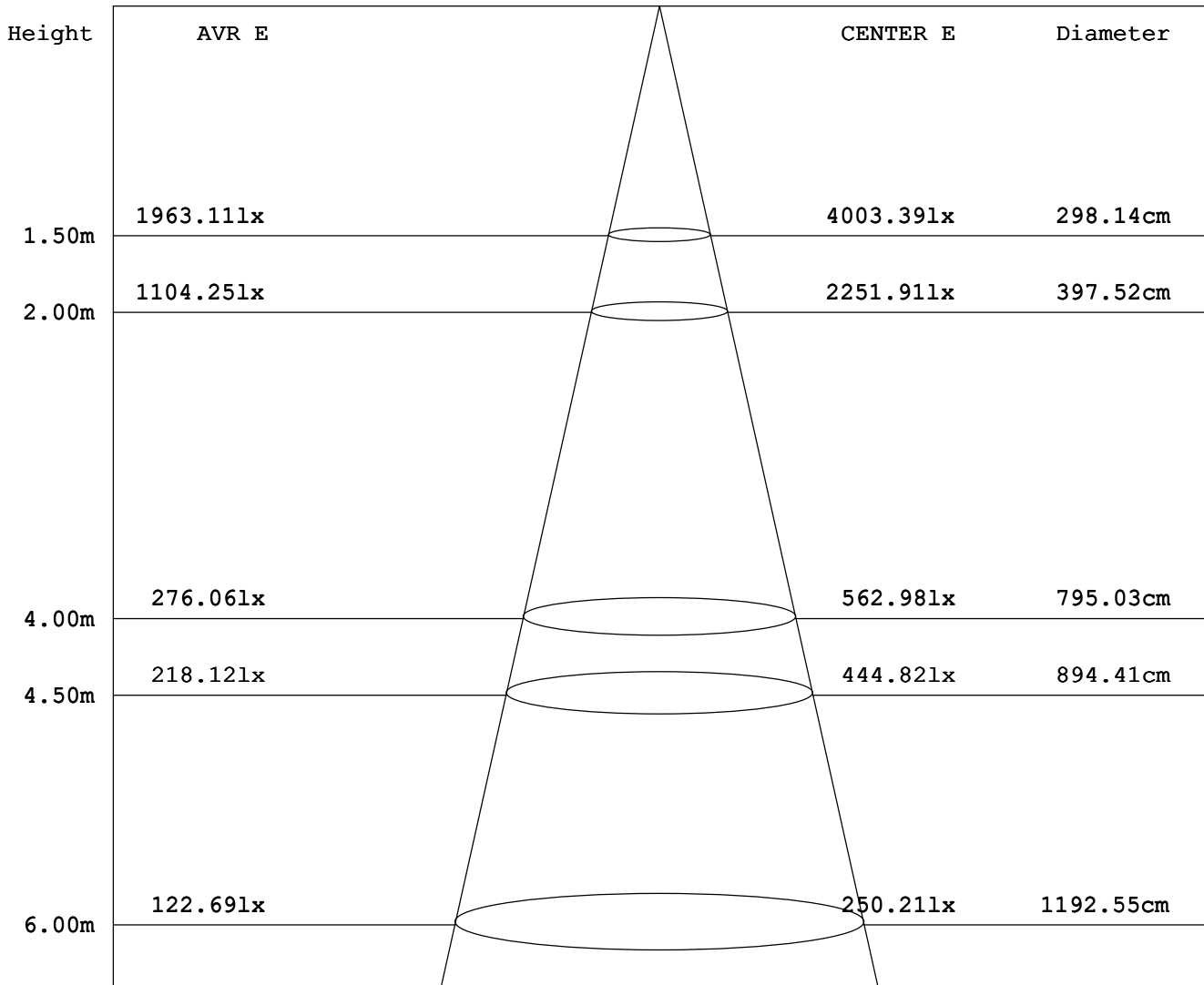
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2018-04-02

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.000 m
 Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME: UFO-100W	TYPE:UFO	WEIGHT:
SPECIFICATION:100W	DIMENSION:	SERIAL No.:



Angle:89.6deg

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2018-04-02

Test Set: 5.0deg/s C-Gamma (TYPE C)
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 Test Distance:6.000 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: UFO-100W	TYPE: UFO	WEIGHT:
SPECIFICATION: 100W	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	8937	8972	9023	9074	9018	9013	9006	9000	0- 5	215.7	215.7
10.0	8804	8856	8939	9016	8965	8934	8903	8866	5- 10	641.0	856.8
15.0	8604	8680	8799	8899	8858	8801	8735	8665	10- 15	1048	1905
20.0	8340	8439	8604	8730	8695	8608	8501	8393	15- 20	1426	3331
25.0	7998	8123	8340	8495	8472	8352	8198	8050	20- 25	1762	5092
30.0	7571	7745	7966	8145	8164	8006	7798	7650	25- 30	2043	7136
35.0	7001	7175	7484	7656	7768	7529	7262	7023	30- 35	2249	9385
40.0	6112	6227	6534	6760	6926	6684	6445	6143	35- 40	2319	11704
45.0	4160	4171	4453	4728	5095	4677	4423	4236	40- 45	2052	13756
50.0	2755	2682	2839	3036	3308	2976	2893	2839	45- 50	1460	15215
55.0	1818	1781	1934	2033	2183	1958	1933	1902	50- 55	1036	16251
60.0	1209	1161	1261	1315	1417	1289	1298	1268	55- 60	729.8	16981
65.0	769.7	736.4	791.8	877.9	902.4	823.6	849.1	850.3	60- 65	501.9	17483
70.0	452.0	430.3	460.2	504.4	529.0	497.5	495.1	478.5	65- 70	323.0	17806
75.0	222.8	202.8	221.8	241.4	271.9	251.6	247.6	235.8	70- 75	183.0	17989
80.0	87.19	88.95	74.12	98.08	114.9	113.5	96.76	93.40	75- 80	84.21	18073
85.0	19.47	18.05	11.88	20.05	21.56	24.78	15.19	20.12	80- 85	27.93	18101
90.0	16.88	15.02	13.71	14.36	10.65	11.61	12.70	12.51	85- 90	7.596	18109
95.0	20.30	18.59	17.38	17.60	12.74	13.46	14.43	14.58	90- 95	8.053	18117
100.0	24.84	23.07	21.88	21.79	15.37	15.96	16.84	17.27	95-100	9.671	18127
105.0	29.80	28.29	27.10	26.76	18.86	19.29	20.23	20.84	100-105	11.59	18138
110.0	35.45	33.93	32.83	32.14	23.07	23.43	24.37	25.25	105-110	13.72	18152
115.0	41.43	39.87	38.62	37.87	27.82	28.24	29.26	30.25	110-115	15.90	18168
120.0	47.26	45.93	44.63	43.81	32.94	33.42	34.45	35.67	115-120	17.94	18186
125.0	52.66	51.51	50.32	49.42	37.98	38.52	39.42	40.78	120-125	19.60	18205
130.0	57.74	56.46	55.47	54.54	42.76	43.27	44.42	45.41	125-130	20.67	18226
135.0	62.10	60.76	60.37	59.07	47.48	47.57	49.17	49.48	130-135	21.10	18247
140.0	65.84	64.54	64.54	63.03	51.65	51.60	53.31	53.15	135-140	20.87	18268
145.0	69.11	67.87	67.96	66.83	55.43	55.69	57.09	56.82	140-145	20.07	18288
150.0	72.46	71.49	71.35	70.41	59.43	59.68	60.98	60.64	145-150	18.79	18307
155.0	76.28	74.82	75.23	73.90	64.11	63.79	65.34	64.63	150-155	17.10	18324
160.0	80.20	78.22	79.16	77.41	68.83	67.96	70.09	68.88	155-160	15.00	18339
165.0	83.70	81.32	82.87	80.67	73.65	72.17	74.77	73.20	160-165	12.44	18351
170.0	86.11	83.57	85.64	83.26	78.29	76.24	79.12	77.34	165-170	9.385	18361
175.0	86.79	84.13	86.79	84.38	82.44	80.00	82.98	80.92	170-175	5.867	18367
180.0	85.39	82.90	85.93	83.50	85.46	82.80	85.75	83.53	175-180	1.997	18369
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2018-04-02

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.000 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

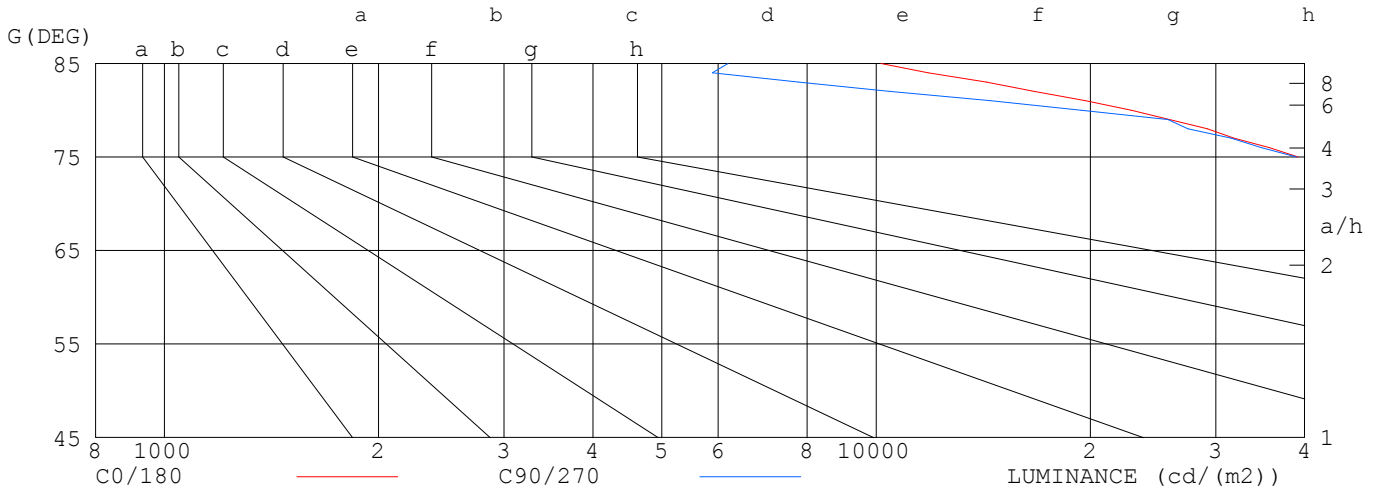
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		Address:	
NAME: UFO-100W		TYPE:UFO	WEIGHT:
SPECIFICATION:100W		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	10157	6196
80	22824	19403
75	39142	38965
70	60078	61169
65	82790	85172
60	109921	114650
55	144052	153296
50	194789	200751
45	267384	286258

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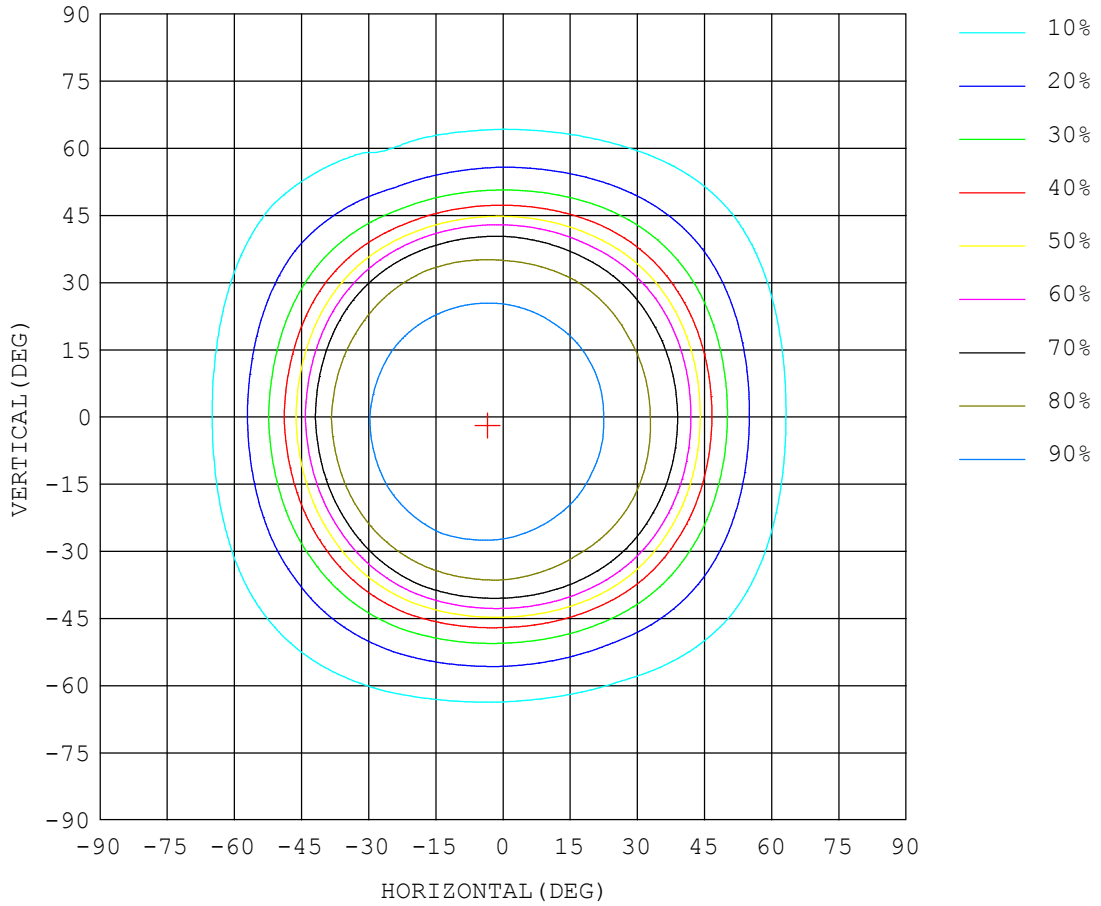
HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: UFO-100W	TYPE:UFO	WEIGHT:
SPECIFICATION:100W	DIMENSION:	SERIAL No.:

UNIT: cd



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2018-04-02

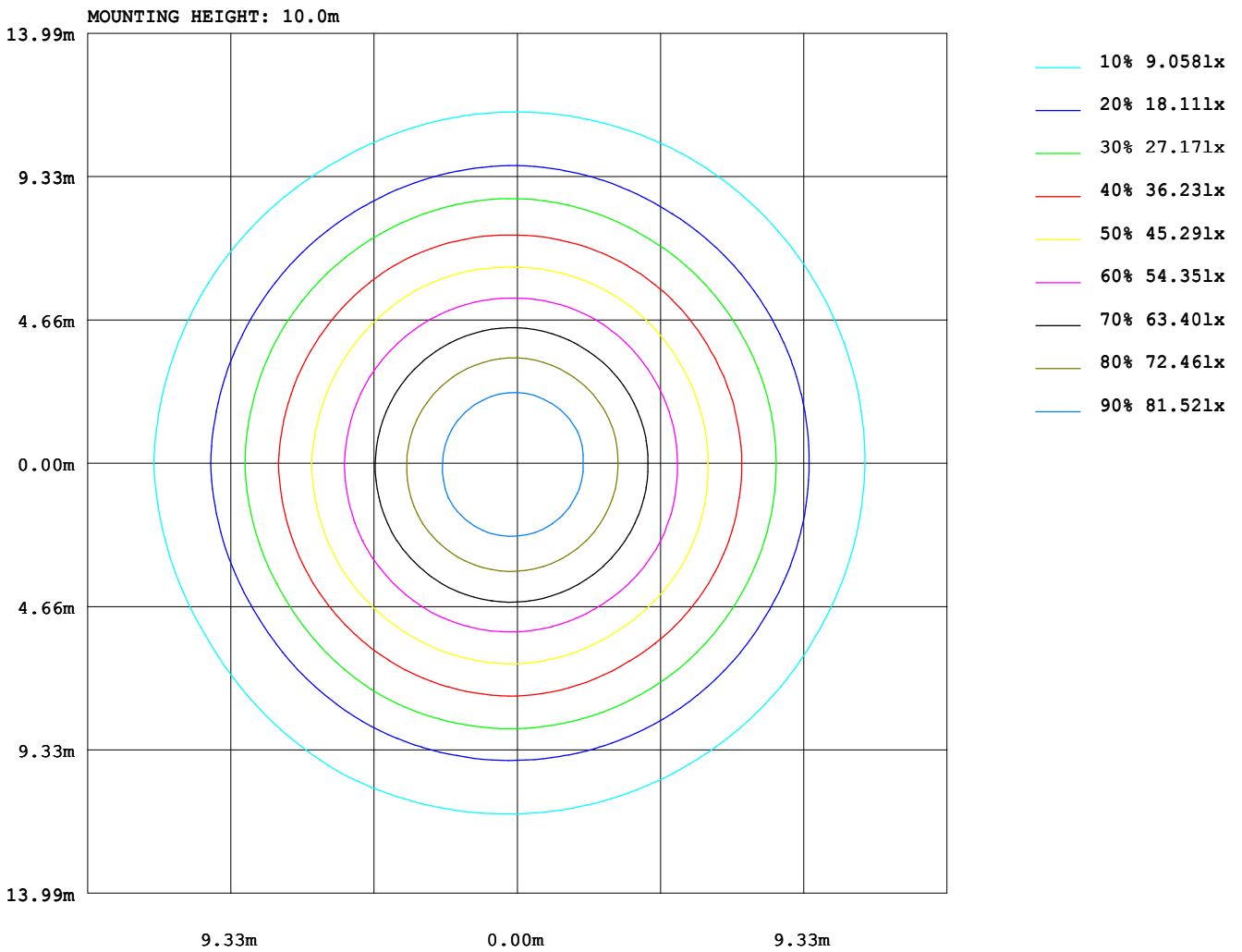
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.000 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: UFO-100W	TYPE: UFO	WEIGHT:
SPECIFICATION: 100W	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2018-04-02

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.000 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:				Address:															
NAME: UFO-100W				TYPE:UFO								WEIGHT:							
SPECIFICATION:100W				DIMENSION:								SERIAL No.:							

		AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a	
VERTICAL (DEG)	90	0.03	0.09	0.17	0.30	0.44	0.57	0.68	0.80	0.87	0.86	0.79	0.67	0.54	0.41	0.28	0.18	0.12	0.04	7.81	7.81		
	80	0.03	0.15	0.63	1.56	2.67	3.84	5.19	6.73	7.78	7.79	6.72	5.11	3.60	2.38	1.34	0.53	0.14	0.04	56.2	56.2		
	70	0.03	0.39	1.74	4.35	8.03	12.2	16.8	21.8	25.2	25.6	22.7	18.0	12.4	7.57	3.86	1.46	0.31	0.04	183	183		
	60	0.05	0.76	3.28	8.75	16.8	26.9	37.9	50.3	58.5	58.9	51.7	39.9	27.2	16.0	7.86	2.83	0.60	0.05	409	409		
	50	0.07	1.15	5.26	14.5	29.6	51.4	80.7	114	136	134	111	79.3	49.9	27.7	12.9	4.59	0.94	0.06	855	855		
	40	0.10	1.58	7.44	21.2	47.0	93.5	160	203	219	216	194	147	85.4	42.9	18.8	6.46	1.30	0.08	1465	1465		
	30	0.12	1.97	9.56	28.2	69.1	148	207	236	248	245	228	194	132	61.0	24.8	8.25	1.64	0.09	1843	1843		
		0.14	2.27	11.2	34.7	93.0	178	224	251	264	262	244	211	162	79.6	29.9	9.62	1.90	0.11	2059	2059		
		0.15	2.43	12.1	38.9	108	190	232	259	272	270	252	219	172	91.6	32.8	10.3	2.03	0.11	2164	2164		
		0.15	2.41	12.1	38.8	108	190	233	260	274	270	252	220	173	91.3	32.6	10.2	2.01	0.11	2169	2169		
		0.14	2.23	11.0	34.3	92.1	179	227	255	267	264	245	214	163	78.5	29.4	9.48	1.86	0.10	2073	2073		
	-30	0.12	1.91	9.37	27.6	68.2	147	210	240	253	249	231	197	132	58.9	24.0	8.06	1.59	0.09	1859	1859		
	-40	0.09	1.51	7.20	20.4	46.0	93.7	162	207	224	221	197	148	82.5	40.7	18.0	6.22	1.24	0.08	1476	1476		
	-50	0.07	1.09	4.96	13.9	29.0	53.0	85.1	118	136	133	109	75.4	46.6	25.8	12.3	4.31	0.88	0.06	849	849		
	-60	0.04	0.71	2.99	8.19	16.9	28.3	41.5	53.1	59.4	57.8	48.9	36.2	24.6	14.7	7.23	2.56	0.55	0.05	404	404		
	-70	0.03	0.35	1.55	3.88	7.87	13.2	18.7	22.8	24.7	23.9	20.5	15.7	10.9	6.71	3.35	1.28	0.27	0.04	176	176		
-80	0.03	0.13	0.52	1.36	2.51	3.91	5.42	6.64	7.23	6.96	5.93	4.47	3.16	2.06	1.11	0.40	0.13	0.04	52.0	52.0			
-90	0.03	0.09	0.16	0.26	0.42	0.61	0.73	0.76	0.72	0.70	0.71	0.67	0.55	0.39	0.26	0.18	0.12	0.04	7.40	7.40			
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90		
Φ t	1.41	21.2	101	302	746	1414	1947	2306	2476	2447	2222	1825	1282	649	261	87.0	17.6	1.23	18369				
Φ a	1.41	21.2	101	302	746	1414	1947	2306	2476	2447	2222	1825	1282	649	261	87.0	17.6	1.23			18369		

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2018-04-02

Test Set: 5.0deg/s C-Gamma (TYPE C)
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 Remarks:

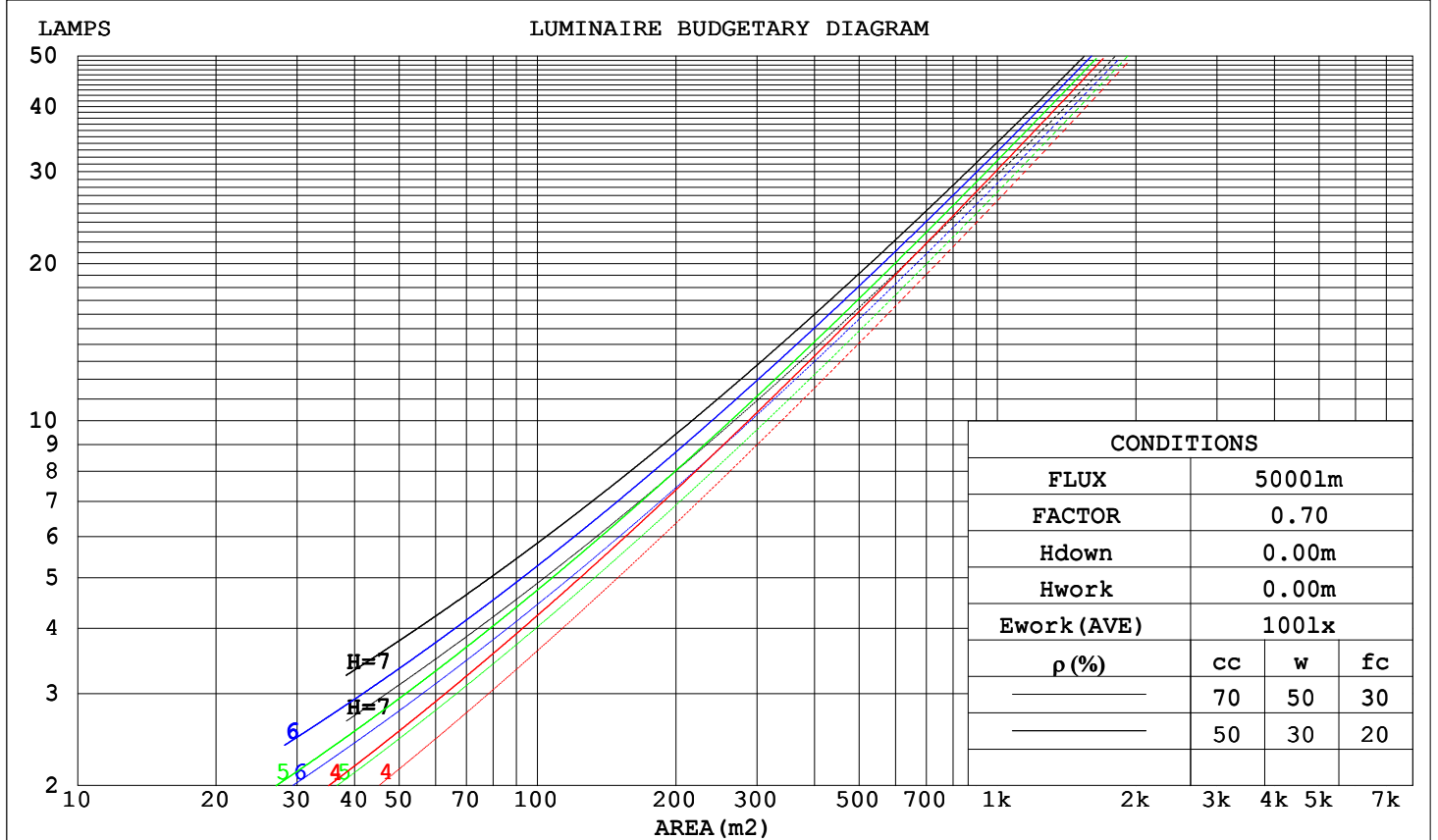
HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:				Address:							
NAME: UFO-100W				TYPE:UFO				WEIGHT:			
SPECIFICATION:100W				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						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.08	1.04	1.01	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.97	.91	.87	.95	.90	.86	.91	.87	.84	.88	.85	.82	.85	.82	.80	.78
3.0	.87	.81	.75	.86	.80	.75	.83	.77	.73	.80	.76	.72	.77	.74	.71	.69
4.0	.79	.72	.66	.78	.71	.66	.75	.69	.65	.73	.68	.64	.71	.66	.63	.61
5.0	.72	.64	.58	.71	.63	.58	.68	.62	.57	.66	.61	.57	.65	.60	.56	.54
6.0	.65	.58	.52	.64	.57	.52	.63	.56	.51	.61	.55	.51	.59	.54	.50	.48
7.0	.60	.52	.47	.59	.52	.47	.58	.51	.46	.56	.50	.46	.55	.49	.45	.44
8.0	.55	.48	.42	.54	.47	.42	.53	.47	.42	.52	.46	.42	.51	.45	.41	.40
9.0	.51	.43	.38	.50	.43	.38	.49	.43	.38	.48	.42	.38	.47	.42	.38	.36
10.0	.47	.40	.35	.47	.40	.35	.46	.39	.35	.45	.39	.35	.44	.38	.34	.33



Test System:HOPOO HPG1800
 Temperature:25.3DEG
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Test Set: 5.0deg/s C-Gamma (TYPE C)
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 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Report number:

MANUFACTURER:				Address:					
NAME: UFO-100W				TYPE:UFO			WEIGHT:		
SPECIFICATION:100W				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	.233	.133	.042	.226	.129	.041	.212	.122	.039	.200	.115	.037	.188	.109	.035	
2.0	.228	.125	.038	.221	.122	.038	.209	.116	.036	.198	.111	.035	.188	.107	.034	
3.0	.217	.116	.035	.212	.113	.034	.201	.109	.033	.192	.105	.032	.183	.101	.031	
4.0	.206	.107	.031	.201	.105	.031	.192	.102	.030	.183	.098	.030	.175	.095	.029	
5.0	.194	.099	.029	.190	.098	.028	.182	.095	.028	.174	.092	.027	.167	.089	.027	
6.0	.184	.092	.026	.180	.091	.026	.173	.088	.026	.166	.086	.025	.159	.084	.025	
7.0	.174	.086	.024	.170	.085	.024	.164	.083	.024	.158	.081	.024	.152	.079	.023	
8.0	.164	.080	.023	.161	.079	.022	.155	.078	.022	.150	.076	.022	.145	.074	.022	
9.0	.156	.075	.021	.153	.075	.021	.148	.073	.021	.143	.072	.020	.138	.070	.020	
10.0	.148	.071	.020	.146	.070	.020	.141	.069	.019	.136	.068	.019	.132	.066	.019	

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	.201	.201	.201	.172	.172	.172	.117	.117	.117	.067	.067	.067	.022	.022	.022	
1.0	.186	.168	.151	.159	.144	.130	.109	.099	.090	.063	.057	.052	.020	.018	.017	
2.0	.175	.143	.117	.150	.123	.101	.102	.085	.070	.059	.050	.041	.019	.016	.013	
3.0	.165	.125	.093	.142	.108	.080	.097	.075	.056	.056	.044	.033	.018	.014	.011	
4.0	.157	.111	.076	.135	.096	.066	.093	.067	.046	.054	.039	.027	.017	.013	.009	
5.0	.150	.100	.064	.129	.087	.055	.089	.061	.039	.051	.036	.023	.017	.012	.008	
6.0	.143	.092	.055	.123	.079	.048	.085	.056	.034	.049	.033	.020	.016	.011	.007	
7.0	.137	.085	.048	.118	.073	.042	.081	.051	.030	.047	.030	.018	.015	.010	.006	
8.0	.131	.079	.043	.113	.068	.037	.078	.048	.026	.046	.028	.016	.015	.009	.005	
9.0	.126	.074	.039	.109	.064	.034	.075	.045	.024	.044	.027	.014	.014	.009	.005	
10.0	.121	.070	.035	.104	.060	.031	.072	.043	.022	.042	.025	.013	.014	.008	.004	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2018-04-02

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.000 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

Uncorrected UGR Table

Report number:

MANUFACTURER:					Address:					
NAME: UFO-100W					TYPE:UFO			WEIGHT:		
SPECIFICATION:100W					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	29.4	30.7	29.7	30.9	31.1	29.6	30.8	29.8	31.0	31.3
	3H	29.6	30.8	29.9	31.0	31.3	29.7	30.9	30.0	31.1	31.4
	4H	29.6	30.7	29.9	31.0	31.2	29.7	30.8	30.0	31.1	31.3
	6H	29.5	30.6	29.9	30.8	31.1	29.7	30.7	30.0	31.0	31.3
	8H	29.5	30.5	29.9	30.8	31.1	29.6	30.6	30.0	30.9	31.2
	12H	29.5	30.4	29.8	30.7	31.0	29.6	30.5	29.9	30.8	31.1
4H	2H	29.4	30.5	29.8	30.8	31.1	29.6	30.7	29.9	30.9	31.2
	3H	29.7	30.7	30.1	31.0	31.3	29.8	30.7	30.2	31.0	31.4
	4H	29.7	30.6	30.1	30.9	31.3	29.8	30.7	30.2	31.0	31.4
	6H	29.7	30.5	30.1	30.8	31.2	29.8	30.5	30.2	30.9	31.3
	8H	29.7	30.4	30.1	30.8	31.2	29.7	30.4	30.2	30.8	31.2
	12H	29.6	30.3	30.1	30.7	31.1	29.7	30.3	30.1	30.7	31.1
8H	4H	29.7	30.4	30.1	30.7	31.1	29.7	30.4	30.2	30.8	31.2
	6H	29.7	30.2	30.1	30.6	31.1	29.7	30.3	30.2	30.7	31.1
	8H	29.6	30.1	30.1	30.6	31.0	29.7	30.2	30.1	30.6	31.1
	12H	29.6	30.0	30.1	30.5	31.0	29.6	30.1	30.1	30.5	31.0
12H	4H	29.6	30.3	30.1	30.7	31.1	29.7	30.3	30.1	30.7	31.2
	6H	29.6	30.1	30.1	30.6	31.0	29.7	30.2	30.1	30.6	31.1
	8H	29.6	30.0	30.1	30.5	31.0	29.6	30.1	30.1	30.5	31.0

Variations with the observer position at spacings:

S = 1.0H	+ 1.4 / - 2.0	+ 1.4 / - 2.0
1.5H	+ 1.4 / - 1.4	+ 1.5 / - 1.7
2.0H	+ 2.6 / - 2.2	+ 3.0 / - 2.7

CIE Pub.117 Corrected 18369 lm Total Lamp Luminous Flux. (8log(F/F0) = 10.1)

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2018-04-02

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.000 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:	Address:		
NAME: UFO-100W	TYPE:UFO	WEIGHT:	
SPECIFICATION:100W	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	69	59	53	68	59	53	67	58	53	48
0.80	78	69	63	77	69	63	76	68	63	57
1.00	86	78	72	85	77	72	83	78	71	65
1.25	92	84	79	91	84	79	89	82	78	72
1.50	97	89	84	95	88	83	92	86	82	76
2.00	102	95	91	100	94	90	97	92	88	81
2.50	104	99	94	103	97	93	99	95	91	84
3.00	107	102	98	105	100	97	101	97	94	87
4.00	110	106	102	107	104	101	103	100	98	89
5.00	111	108	105	109	106	103	105	102	100	91
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

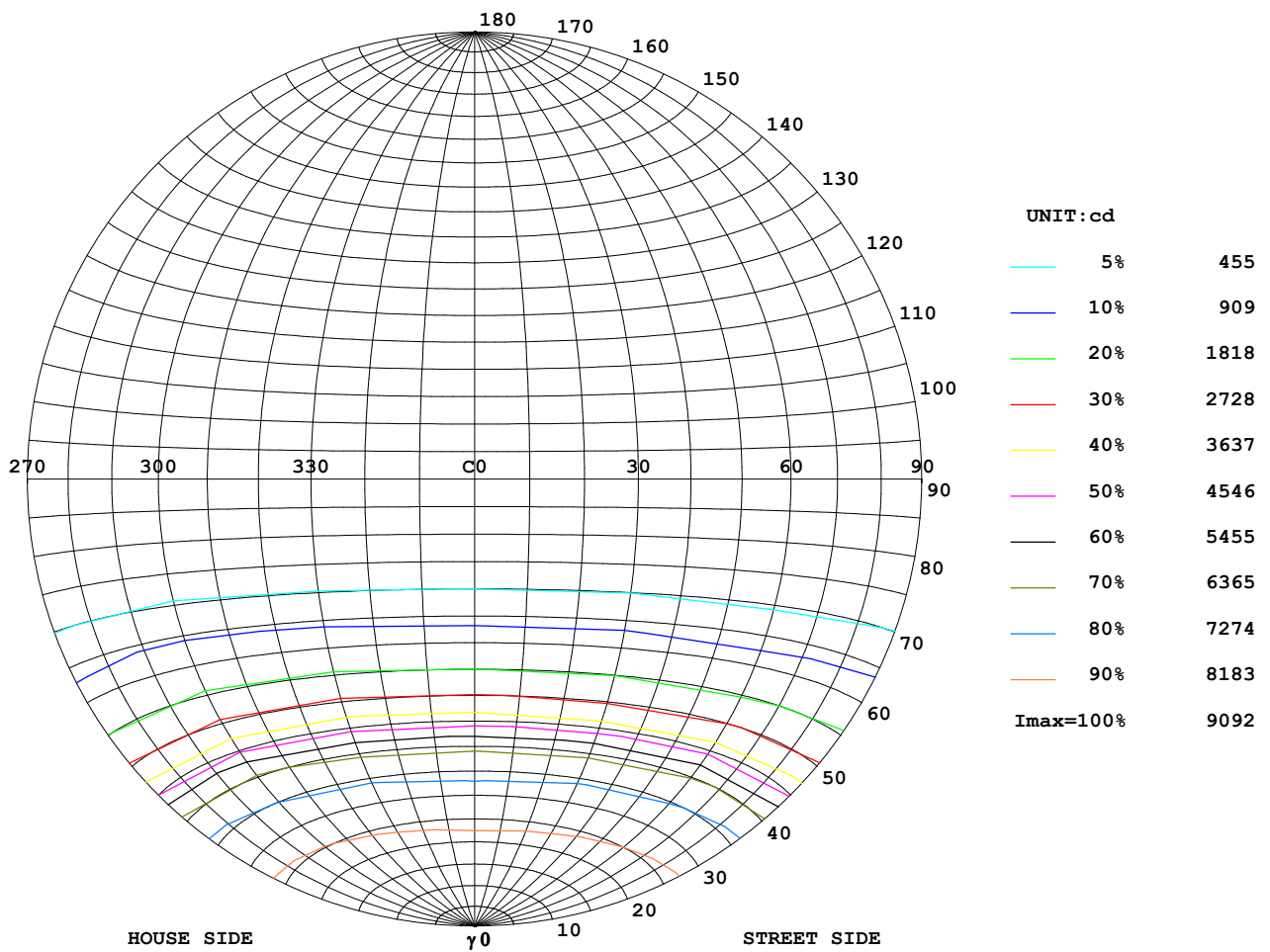
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2018-04-02

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: UFO-100W	TYPE: UFO	WEIGHT:
SPECIFICATION: 100W	DIMENSION:	SERIAL No.:



Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2018-04-02

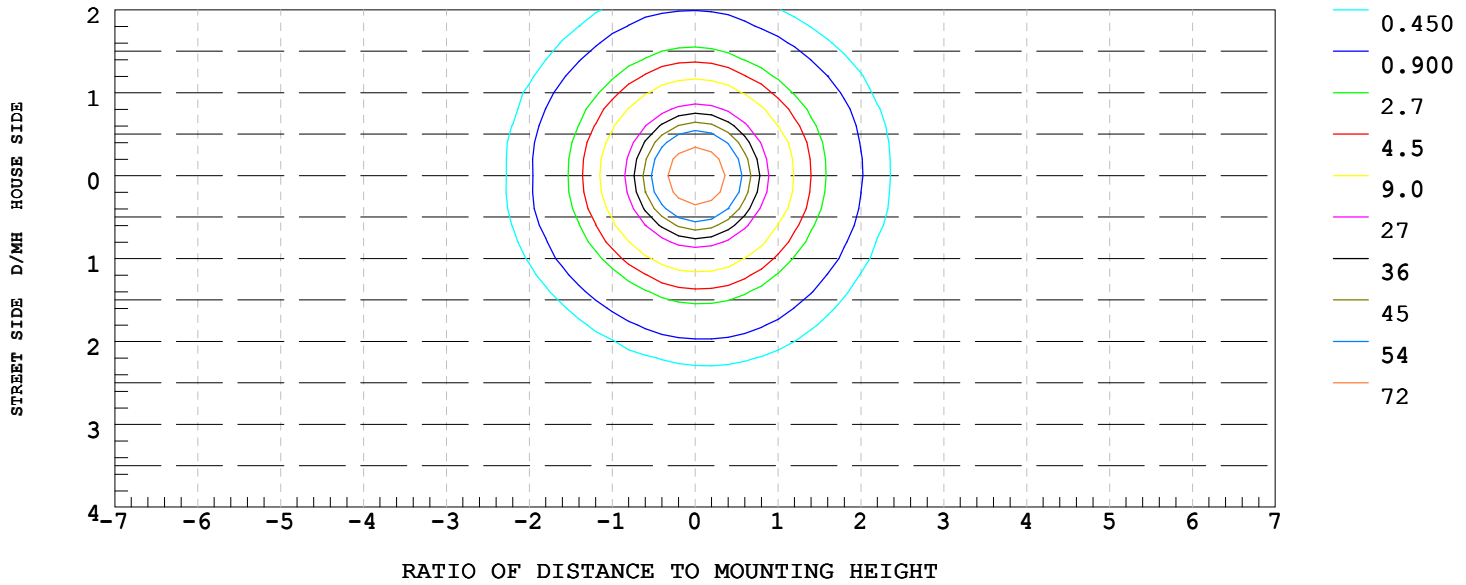
Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 6.000 m
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: UFO-100W	TYPE:UFO	WEIGHT:
SPECIFICATION:100W	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 90.08 lx



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2018-04-02

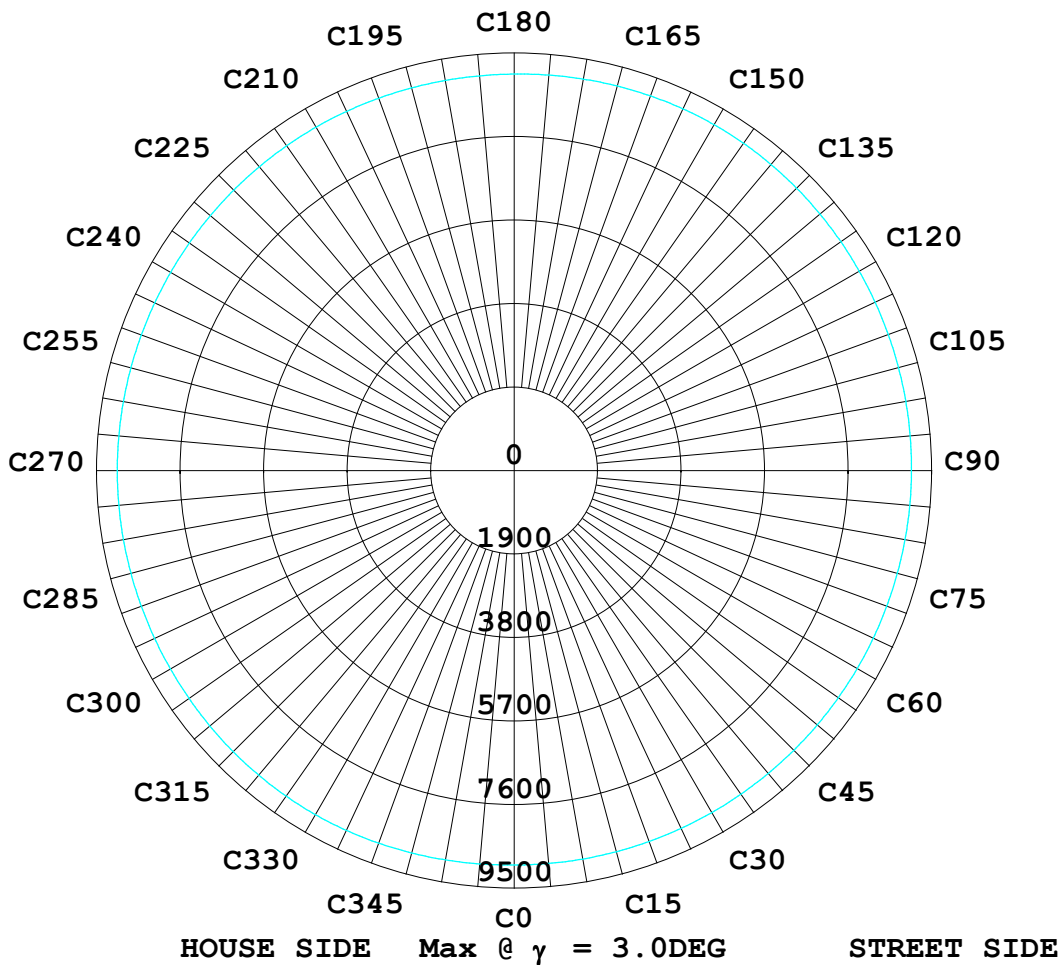
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.000 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: UFO-100W	TYPE:UFO	WEIGHT:
SPECIFICATION:100W	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2018-04-02

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.000 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	Address:	
NAME: UFO-100W	TYPE:UFO	WEIGHT:
SPECIFICATION:100W	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG)	C (DEG)											
	0	30	60	90	120	150	180	210	240	270	300	330
0.0	9008	9018	9032	9048	9062	9078	9008	9018	9032	9048	9062	9078
5.0	8937	8954	8989	9023	9061	9088	9018	9015	9011	9006	8999	9002
10.0	8804	8830	8883	8939	8999	9034	8965	8947	8920	8903	8868	8864
15.0	8604	8643	8718	8799	8878	8920	8858	8824	8778	8735	8677	8653
20.0	8340	8387	8491	8604	8707	8753	8695	8643	8572	8501	8416	8370
25.0	7998	8062	8183	8340	8470	8519	8472	8407	8297	8198	8078	8021
30.0	7571	7710	7781	7966	8119	8172	8164	8073	7940	7798	7727	7573
35.0	7001	7121	7229	7484	7607	7705	7768	7584	7475	7262	7138	6908
40.0	6112	6153	6301	6534	6747	6772	6926	6799	6570	6445	6184	6103
45.0	4160	4116	4227	4453	4696	4759	5095	4818	4535	4423	4296	4175
50.0	2755	2654	2710	2839	3059	3013	3308	3098	2854	2893	2857	2822
55.0	1818	1804	1758	1934	2036	2030	2183	2081	1834	1933	1908	1896
60.0	1209	1187	1136	1261	1305	1325	1417	1394	1184	1298	1279	1258
65.0	770	754	719	792	870	886	902	910	737	849	878	823
70.0	452	449	411	460	505	504	529	550	445	495	468	489
75.0	223	220	185	222	232	251	272	284	219	248	221	251
80.0	87.1	103	75.3	74.1	91.2	105	115	127	100	96.7	79.6	107
85.0	19.4	16.7	19.3	11.8	21.0	19.0	21.5	28.7	20.8	15.1	17.5	22.7
90.0	16.8	14.6	15.4	13.7	15.1	13.6	10.6	12.4	10.7	12.7	11.5	13.4
95.0	20.3	18.5	18.6	17.3	18.0	17.1	12.7	13.9	12.9	14.4	13.9	15.2
100.0	24.8	23.2	22.9	21.8	22.1	21.4	15.3	16.2	15.6	16.8	16.7	17.7
105.0	29.8	28.6	27.9	27.1	27.0	26.5	18.8	19.3	19.2	20.2	20.4	21.2
110.0	35.4	34.4	33.3	32.8	32.2	32.0	23.0	23.2	23.5	24.3	25.0	25.4
115.0	41.4	40.3	39.3	38.6	37.9	37.7	27.8	27.9	28.5	29.2	30.0	30.4
120.0	47.2	46.6	45.2	44.6	43.8	43.7	32.9	33.0	33.7	34.4	35.5	35.7
125.0	52.6	52.2	50.8	50.3	49.3	49.4	37.9	38.0	38.9	39.4	40.7	40.8
130.0	57.7	57.0	55.9	55.4	54.5	54.5	42.7	42.8	43.7	44.4	45.3	45.4
135.0	62.1	61.2	60.3	60.3	59.1	58.9	47.4	47.1	48.0	49.1	49.4	49.5
140.0	65.8	65.0	64.0	64.5	63.1	62.8	51.6	51.0	52.2	53.3	53.1	53.1
145.0	69.1	68.1	67.6	67.9	67.1	66.5	55.4	54.9	56.4	57.0	56.9	56.7
150.0	72.4	72.0	70.9	71.3	70.7	70.0	59.4	58.8	60.5	60.9	60.6	60.6
155.0	76.2	75.4	74.1	75.2	74.2	73.5	64.1	62.8	64.6	65.3	64.5	64.6
160.0	80.2	78.8	77.6	79.1	77.8	77.0	68.8	67.1	68.7	70.0	68.7	69.0
165.0	83.7	81.8	80.7	82.8	80.9	80.3	73.6	71.4	72.8	74.7	73.1	73.2
170.0	86.1	84.0	83.1	85.6	83.4	83.0	78.2	75.6	76.8	79.1	77.4	77.2
175.0	86.7	84.3	83.9	86.7	84.4	84.2	82.4	79.5	80.4	82.9	81.0	80.8
180.0	85.3	82.8	82.9	85.9	83.5	83.4	85.4	82.6	82.9	85.7	83.7	83.3

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Test Set: 5.0deg/s C-Gamma (TYPE C)
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