

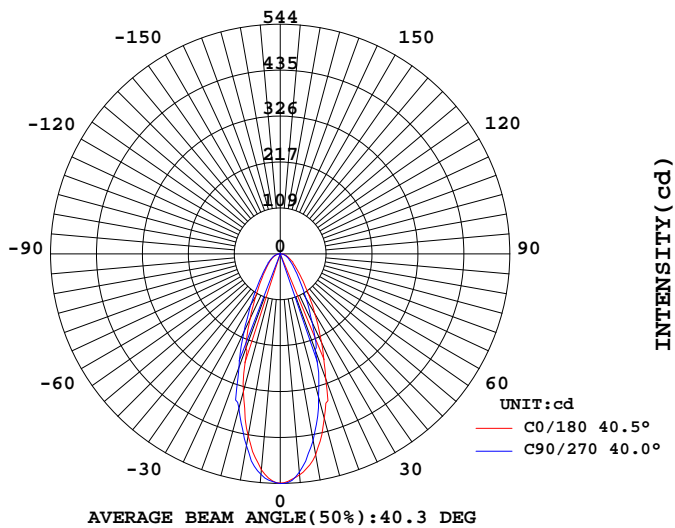
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

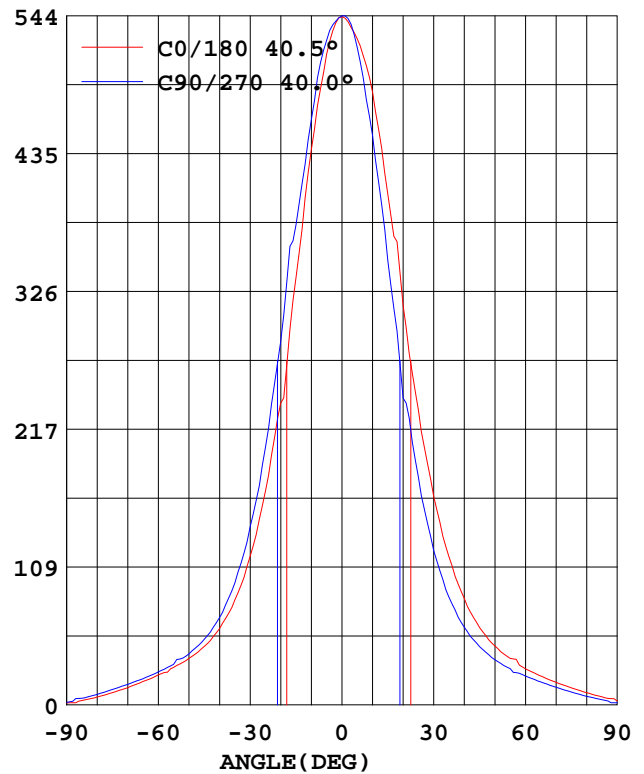
MANUFACTURER:					
Address:					
NAME:			TYPE:		WEIGHT:
SPECIFICATION:	CCT(K): 0		DIMENSION:		SERIAL No.:

DATA OF LAMP		Imax(cd)	543.7	S/MH(C0/180)	0.60
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.67
NOMINAL POWER(W)	4	TOTAL FLUX(lm)	409.6	Voltage(V)	12.04
RATED VOLTAGE(V)	12	EFFICIENCY(lm/W)	91.2	Current(A)	0.451
NOMINAL FLUX(lm)	409.6	η up(%)	0.9	Power(W)	4.490
LAMPS QUANTITY	1	η down(%)	99.1	Power Factor(PF)	0.826
TEST VOLTAGE(V)	12.0	Effective Flux(lm)	321.7	EEI	0.142

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOP00 HP880D
Temperature:25.3DEG
Operators:
Test Date:06-12-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:1.000 m
Remarks:

Color Temperature Data List

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

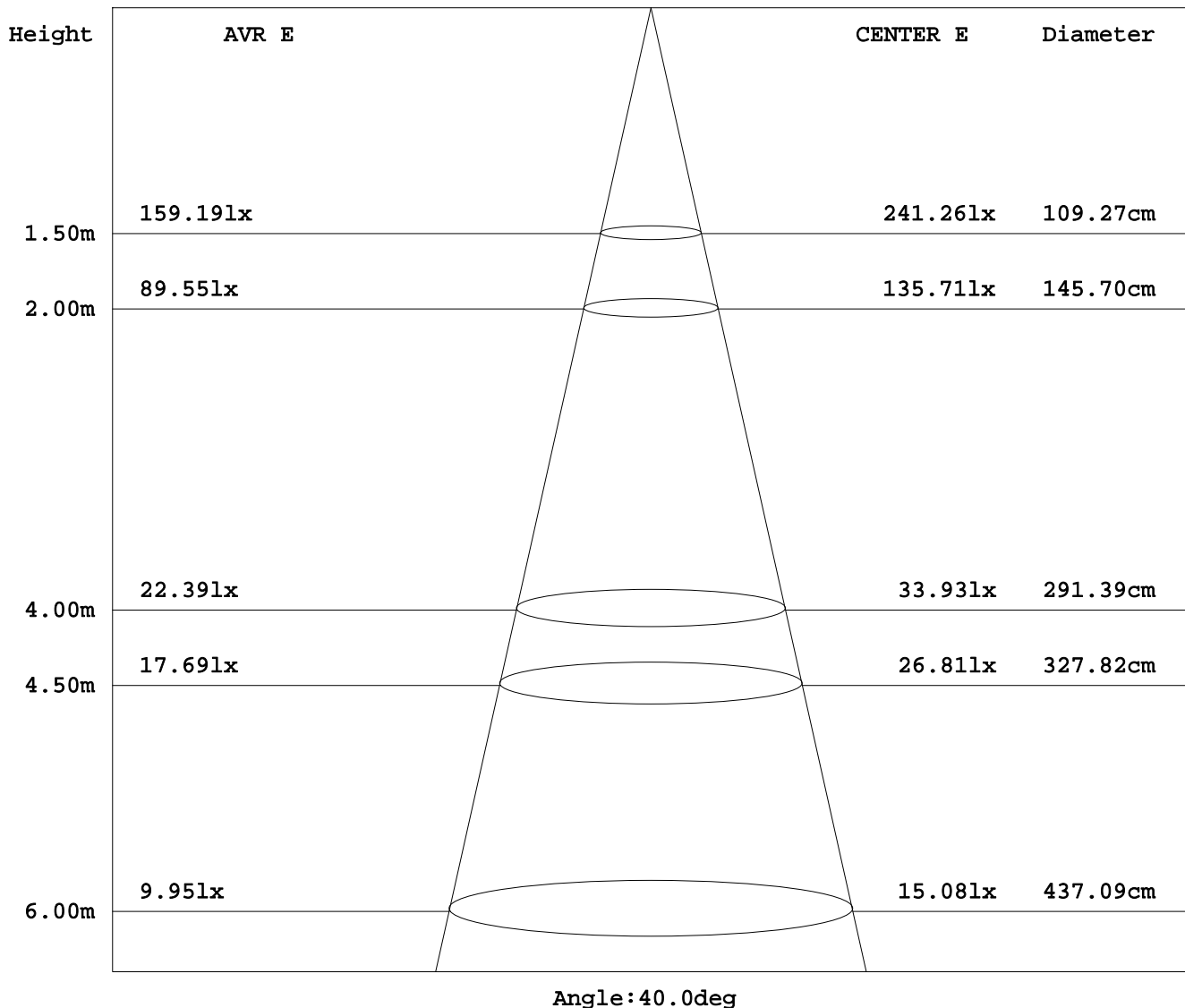
Test System:HOP00 HP880D
Temperature:25.3DEG
Operators:
Test Date:06-12-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:1.000 m
Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



Test System: HOPPO HP880D
Temperature: 25.3DEG
Operators:
Test Date: 06-12-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 1.000 m
Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

γ	C0	C90	C180	C270					γ	zone	total
5.0	513.3	524.2	525.6	518.9					0- 5	12.71	12.71
10.0	437.5	461.1	483.4	449.1					5- 10	34.95	47.67
15.0	337.3	378.9	403.2	350.9					10- 15	48.74	96.41
20.0	238.0	286.5	315.0	242.1					15- 20	52.73	149.1
25.0	168.7	203.2	232.9	180.0					20- 25	48.78	197.9
30.0	117.1	140.3	164.4	121.8					25- 30	41.34	239.2
35.0	82.93	96.25	116.9	84.99					30- 35	33.53	272.8
40.0	60.14	68.82	84.01	61.30					35- 40	26.95	299.7
45.0	46.09	51.88	60.98	45.94					40- 45	21.91	321.6
50.0	36.73	40.23	46.51	35.66					45- 50	18.22	339.9
55.0	29.58	31.96	36.65	28.64					50- 55	15.51	355.4
60.0	23.63	26.07	28.47	22.77					55- 60	13.11	368.5
65.0	18.45	20.69	22.73	18.08					60- 65	10.95	379.4
70.0	13.62	16.25	17.86	13.90					65- 70	8.943	388.4
75.0	9.691	12.13	13.43	10.20					70- 75	6.972	395.4
80.0	6.280	8.303	9.659	6.803					75- 80	5.094	400.5
85.0	3.411	5.239	6.377	4.066					80- 85	3.370	403.8
90.0	1.543	1.996	2.985	1.723					85- 90	1.860	405.7
95.0	0.297	0.270	0.997	0.545					90- 95	0.695	406.4
100.0	0.175	0.096	0.087	0.164					95-100	0.136	406.5
105.0	0.199	0.139	0.123	0.180					100-105	0.077	406.6
110.0	0.235	0.180	0.165	0.206					105-110	0.093	406.7
115.0	0.282	0.236	0.214	0.244					110-115	0.111	406.8
120.0	0.337	0.290	0.275	0.290					115-120	0.131	406.9
125.0	0.410	0.361	0.342	0.359					120-125	0.153	407.1
130.0	0.517	0.454	0.428	0.434					125-130	0.179	407.3
135.0	0.652	0.580	0.547	0.550					130-135	0.209	407.5
140.0	0.831	0.760	0.709	0.726					135-140	0.246	407.7
145.0	1.067	0.990	0.930	0.951					140-145	0.288	408.0
150.0	1.298	1.227	1.204	1.230					145-150	0.326	408.3
155.0	1.486	1.393	1.507	1.527					150-155	0.345	408.7
160.0	1.557	1.458	1.729	1.725					155-160	0.326	409.0
165.0	1.464	1.400	1.778	1.762					160-165	0.267	409.3
170.0	1.286	1.248	1.620	1.592					165-170	0.182	409.5
175.0	1.121	1.112	1.369	1.311					170-175	0.096	409.5
180.0	1.175	1.058	1.175	1.058					175-180	0.028	409.6
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPPO HP880D
 Temperature:25.3DEG
 Operators:
 Test Date:06-12-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:1.000 m
 Remarks:

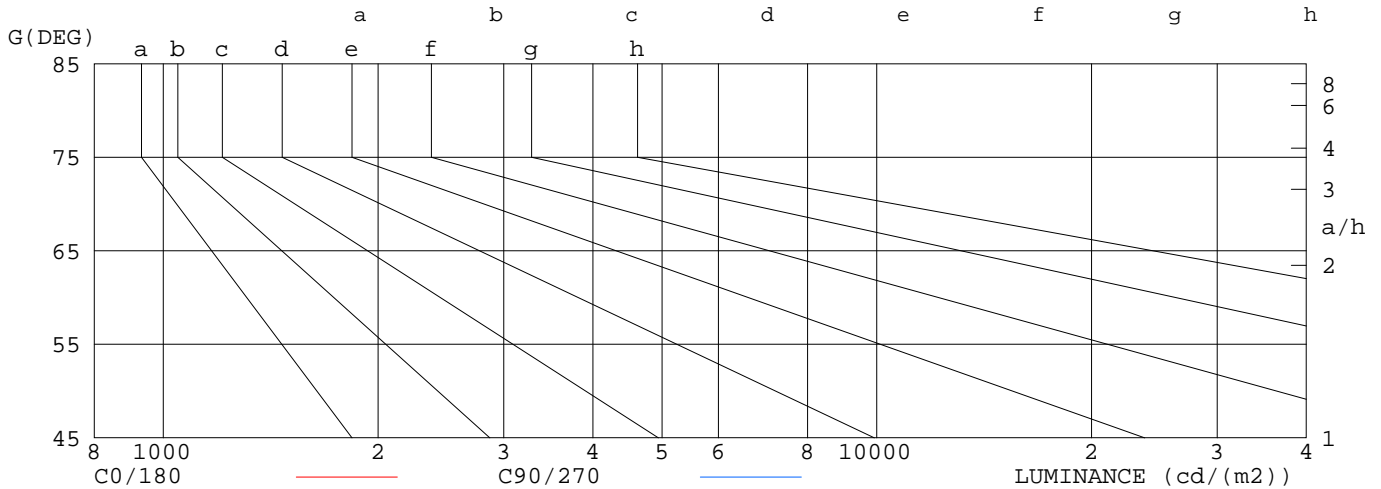
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	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	391	601
80	362	478
75	374	469
70	398	475
65	437	490
60	473	521
55	516	557
50	571	626
45	652	734

Test System:HOP00 HP880D
 Temperature:25.3DEG
 Operators:
 Test Date:06-12-2023

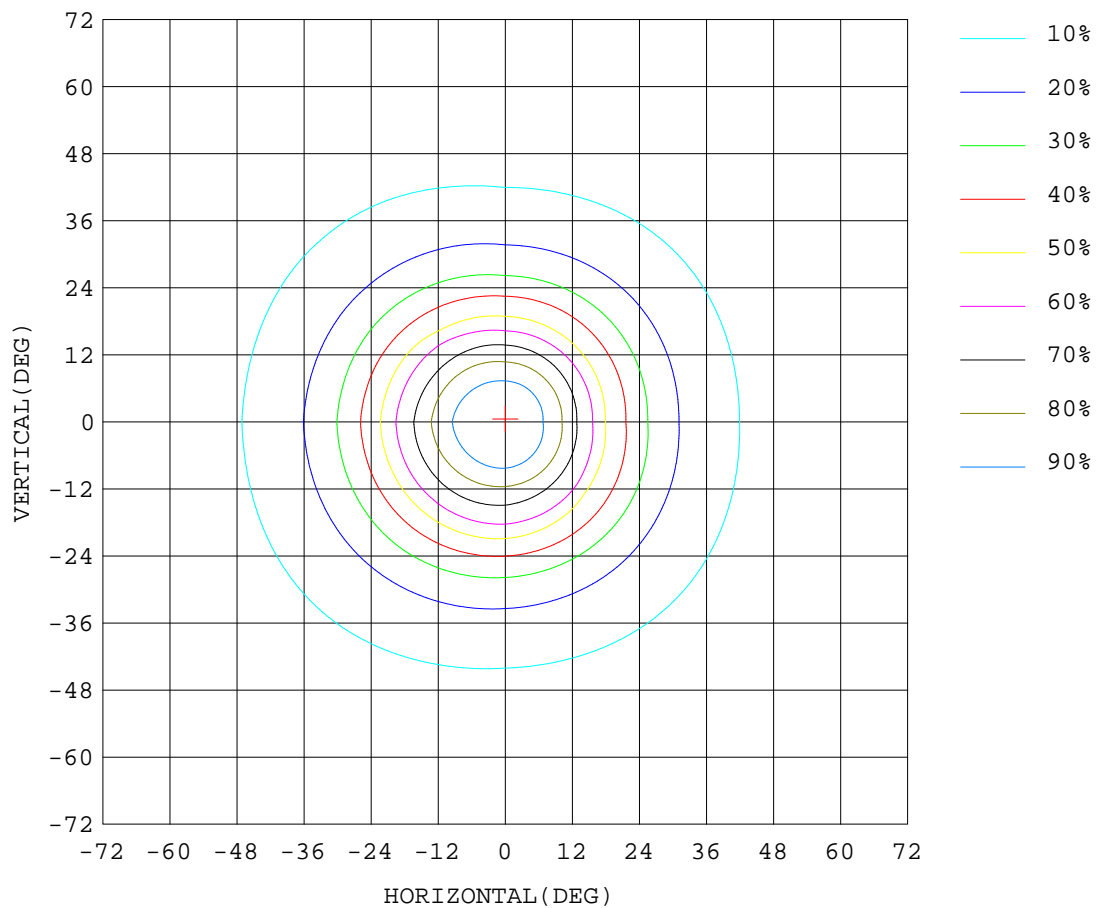
Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:1.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

UNIT: cd



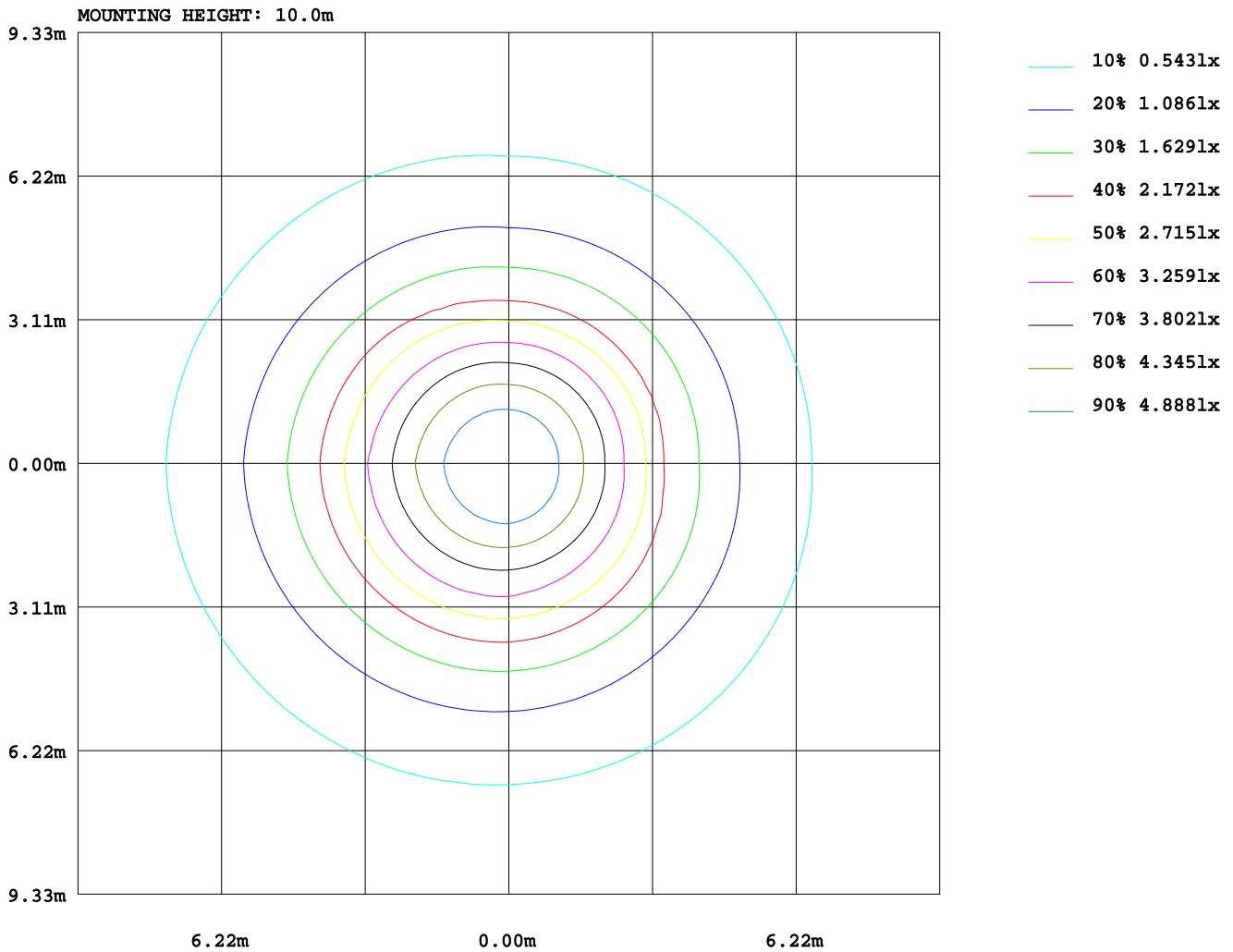
Test System:HOP00 HP880D
Temperature:25.3DEG
Operators:
Test Date:06-12-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:1.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



Test System:HOP00 HP880D
Temperature:25.3DEG
Operators:
Test Date:06-12-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:1.000 m
Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:																			
Address:																			
NAME:										TYPE:					WEIGHT:				
SPECIFICATION:					CCT(K): 0					DIMENSION:					SERIAL No.:				

72	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	0.06	0.09	0.13	0.17	0.21	0.25	0.28	0.30	0.31	0.30	0.29	0.26	0.23	0.19	0.15	0.10	0.07	0.04	3.43	2.83		
64	0.07	0.12	0.18	0.24	0.30	0.36	0.41	0.44	0.45	0.44	0.42	0.39	0.33	0.27	0.21	0.15	0.09	0.05	4.90	4.10		
56	0.09	0.15	0.22	0.31	0.40	0.50	0.57	0.62	0.64	0.63	0.60	0.53	0.45	0.36	0.27	0.19	0.12	0.06	6.71	5.69		
48	0.10	0.17	0.27	0.39	0.53	0.68	0.82	0.93	0.97	0.95	0.87	0.75	0.61	0.47	0.34	0.24	0.14	0.08	9.30	8.05		
40	0.11	0.20	0.33	0.49	0.69	0.95	1.23	1.47	1.58	1.54	1.36	1.09	0.82	0.60	0.42	0.28	0.17	0.09	13.4	11.9		
32	0.12	0.23	0.38	0.60	0.92	1.37	1.96	2.52	2.82	2.73	2.28	1.67	1.13	0.76	0.50	0.32	0.19	0.10	20.6	18.9		
24	0.13	0.25	0.44	0.71	1.19	1.97	3.08	4.26	4.97	4.77	3.81	2.56	1.56	0.94	0.58	0.36	0.21	0.11	31.9	30.0		
VERTICAL (DEG)	0.14	0.27	0.48	0.83	1.47	2.64	4.42	6.50	7.84	7.60	5.76	3.60	2.02	1.11	0.64	0.39	0.22	0.11	46.0	44.0		
	0.14	0.28	0.51	0.91	1.69	3.16	5.53	8.18	9.88	9.68	7.31	4.30	2.32	1.22	0.68	0.40	0.23	0.11	56.5	54.4		
	0.14	0.29	0.51	0.91	1.70	3.19	5.61	8.26	9.97	9.76	7.39	4.38	2.35	1.23	0.69	0.41	0.23	0.12	57.1	54.9		
	0.14	0.27	0.48	0.84	1.50	2.70	4.59	6.83	8.16	7.92	6.09	3.77	2.08	1.14	0.66	0.39	0.22	0.11	47.9	45.8		
	0.13	0.25	0.45	0.73	1.22	2.04	3.25	4.61	5.56	5.37	4.16	2.73	1.64	0.97	0.59	0.37	0.21	0.11	34.4	32.5		
	0.13	0.23	0.40	0.62	0.95	1.44	2.09	2.75	3.16	3.06	2.51	1.81	1.20	0.79	0.52	0.33	0.20	0.10	22.3	20.5		
	0.11	0.21	0.34	0.51	0.73	1.00	1.32	1.61	1.77	1.73	1.50	1.18	0.88	0.63	0.44	0.29	0.17	0.09	14.5	13.0		
	0.10	0.18	0.28	0.41	0.57	0.73	0.88	1.01	1.07	1.05	0.96	0.81	0.66	0.50	0.36	0.25	0.15	0.08	10.0	8.77		
	0.09	0.15	0.23	0.33	0.43	0.54	0.63	0.70	0.73	0.72	0.67	0.59	0.49	0.39	0.29	0.20	0.12	0.07	7.37	6.29		
	0.07	0.12	0.19	0.25	0.32	0.39	0.45	0.49	0.51	0.50	0.47	0.43	0.36	0.29	0.22	0.16	0.10	0.05	5.38	4.53		
-24	0.06	0.10	0.14	0.19	0.23	0.28	0.31	0.34	0.35	0.35	0.33	0.30	0.26	0.21	0.16	0.11	0.07	0.04	3.82	3.18		
-32																						
-40																						
-48																						
-56																						
-64																						
-72																						
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)				16	24	32	40	48	56	64	72		
Φ t	1.94	3.57	5.94	9.43	15.0	24.2	37.4	51.8	60.7	59.1	46.8	31.1	19.4	12.0	7.72	4.93	2.92	1.50	410			
Φ a	0.00	0.00	0.00	6.39	15.0	24.2	37.4	51.8	60.7	59.1	46.8	31.1	19.4	12.0	5.21	0.00	0.00	0.00		322		

Test System:HOPPO HP880D
 Temperature:25.3DEG
 Operators:
 Test Date:06-12-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:1.000 m
 Remarks:

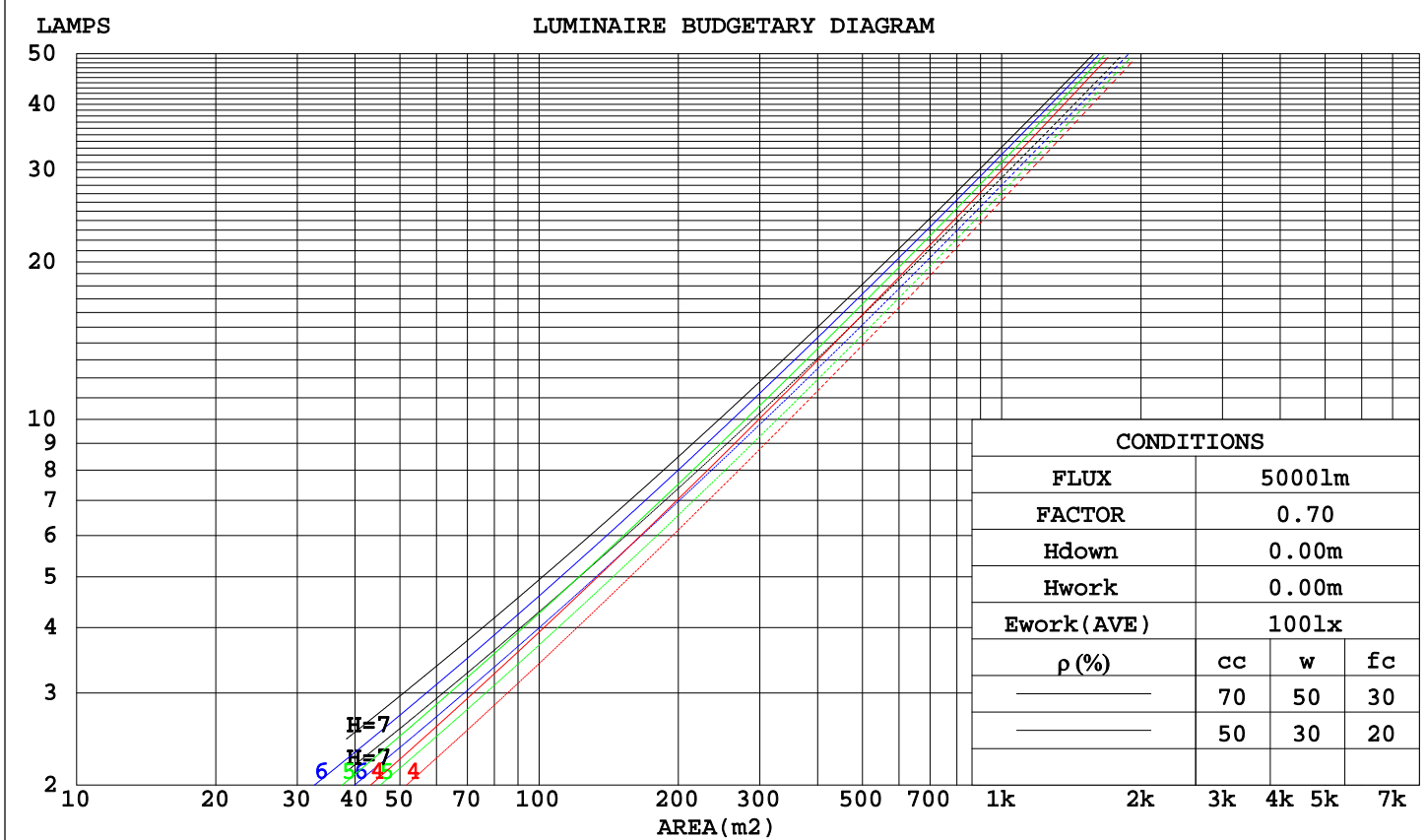
HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K) : 0	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	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.08	1.05	1.02	1.06	1.03	1.00	1.01	.99	.97	.97	.95	.94	.94	.92	.91	.89
2.0	.98	.93	.89	.96	.92	.88	.93	.89	.86	.90	.87	.84	.87	.84	.82	.80
3.0	.90	.84	.79	.89	.83	.79	.86	.81	.77	.83	.79	.76	.81	.77	.75	.73
4.0	.83	.77	.72	.82	.76	.71	.80	.74	.70	.77	.73	.69	.75	.71	.68	.67
5.0	.77	.70	.65	.76	.70	.65	.74	.69	.64	.72	.67	.64	.71	.66	.63	.61
6.0	.72	.65	.60	.71	.65	.60	.69	.64	.59	.68	.63	.59	.66	.62	.58	.57
7.0	.67	.61	.56	.67	.60	.56	.65	.59	.55	.64	.59	.55	.63	.58	.55	.53
8.0	.63	.57	.52	.63	.56	.52	.62	.56	.52	.60	.55	.51	.59	.55	.51	.50
9.0	.60	.53	.49	.59	.53	.49	.58	.53	.49	.57	.52	.48	.56	.52	.48	.47
10.0	.57	.50	.46	.56	.50	.46	.55	.50	.46	.54	.49	.46	.53	.49	.45	.44



Test System:HOP00 HP880D
Temperature:25.3DEG
Operators:
Test Date:06-12-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:1.000 m
Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Report number:

MANUFACTURER:															
Address:															
NAME:								TYPE:				WEIGHT:			
SPECIFICATION:				CCT(K): 0				DIMENSION:				SERIAL No.:			

ρ _{cc}	80%			70%			50%			30%			10%			0	
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ _{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.229	.130	.041	.221	.126	.040	.208	.119	.038	.196	.113	.036	.184	.107	.034		
2.0	.214	.117	.036	.208	.114	.035	.196	.109	.034	.185	.104	.033	.176	.099	.031		
3.0	.199	.106	.032	.194	.104	.031	.184	.100	.030	.174	.096	.029	.166	.092	.028		
4.0	.185	.096	.028	.181	.095	.028	.172	.091	.027	.164	.088	.027	.157	.085	.026		
5.0	.173	.088	.026	.169	.087	.025	.162	.084	.025	.155	.082	.024	.148	.079	.024		
6.0	.163	.082	.023	.159	.080	.023	.152	.078	.023	.146	.076	.022	.140	.074	.022		
7.0	.153	.076	.021	.150	.075	.021	.144	.073	.021	.138	.071	.021	.133	.069	.020		
8.0	.145	.071	.020	.142	.070	.020	.136	.068	.019	.131	.067	.019	.127	.065	.019		
9.0	.137	.066	.019	.134	.066	.018	.130	.064	.018	.125	.063	.018	.121	.061	.018		
10.0	.130	.062	.017	.128	.062	.017	.123	.060	.017	.119	.059	.017	.115	.058	.017		

ρ _{cc}	80%			70%			50%			30%			10%			0
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.198	.198	.198	.169	.169	.169	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.182	.164	.148	.156	.141	.127	.107	.097	.088	.061	.056	.051	.020	.018	.017	
2.0	.169	.140	.115	.145	.120	.099	.099	.083	.069	.057	.048	.041	.018	.016	.013	
3.0	.158	.121	.092	.136	.105	.080	.093	.073	.056	.054	.042	.033	.017	.014	.011	
4.0	.149	.107	.075	.127	.092	.065	.088	.064	.046	.051	.038	.027	.016	.012	.009	
5.0	.140	.096	.063	.120	.083	.055	.083	.058	.039	.048	.034	.023	.015	.011	.008	
6.0	.132	.087	.054	.114	.075	.047	.079	.053	.033	.046	.031	.020	.015	.010	.007	
7.0	.126	.079	.047	.108	.069	.041	.075	.048	.029	.043	.028	.017	.014	.009	.006	
8.0	.120	.073	.041	.103	.064	.036	.071	.045	.026	.041	.026	.015	.013	.009	.005	
9.0	.114	.068	.037	.098	.059	.032	.068	.042	.023	.040	.025	.014	.013	.008	.005	
10.0	.109	.064	.034	.094	.055	.029	.065	.039	.021	.038	.023	.012	.012	.008	.004	

Test System:HOPPO HP880D
 Temperature:25.3DEG
 Operators:
 Test Date:06-12-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:1.000 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

UGR Table

Report number:

MANUFACTURER:											
Address:											
NAME:						TYPE:		WEIGHT:			
SPECIFICATION:			CCT(K): 0			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	8.0	9.2	8.3	9.3	9.5	8.5	9.6	8.7	9.8	10.0
	3H	9.1	10.2	9.4	10.4	10.6	9.7	10.7	10.0	10.9	11.2
	4H	9.6	10.6	9.9	10.8	11.1	10.3	11.2	10.6	11.5	11.7
	6H	10.0	10.9	10.3	11.2	11.4	10.8	11.7	11.1	12.0	12.2
	8H	10.1	11.0	10.5	11.3	11.6	11.0	11.9	11.3	12.2	12.5
	12H	10.3	11.1	10.6	11.4	11.7	11.2	12.1	11.6	12.4	12.7
4H	2H	8.5	9.5	8.8	9.8	10.0	8.9	9.9	9.2	10.1	10.4
	3H	9.8	10.7	10.2	11.0	11.3	10.3	11.2	10.7	11.5	11.8
	4H	10.4	11.2	10.8	11.5	11.9	11.0	11.8	11.4	12.1	12.5
	6H	11.0	11.6	11.4	12.0	12.4	11.7	12.4	12.1	12.7	13.1
	8H	11.2	11.8	11.6	12.2	12.6	12.0	12.6	12.4	13.0	13.4
	12H	11.4	11.9	11.8	12.3	12.8	12.3	12.9	12.7	13.3	13.7
8H	4H	10.7	11.4	11.1	11.7	12.1	11.2	11.9	11.7	12.3	12.6
	6H	11.4	11.9	11.8	12.3	12.8	12.1	12.6	12.5	13.0	13.5
	8H	11.7	12.2	12.2	12.6	13.1	12.5	13.0	13.0	13.4	13.9
	12H	12.0	12.4	12.5	12.9	13.4	12.9	13.3	13.4	13.8	14.3
12H	4H	10.7	11.3	11.2	11.7	12.1	11.2	11.8	11.7	12.2	12.6
	6H	11.5	12.0	11.9	12.4	12.9	12.1	12.6	12.6	13.0	13.5
	8H	11.8	12.3	12.3	12.7	13.2	12.6	13.0	13.1	13.5	14.0
Variations with the observer position at spacings:											
S = 1.0H		+ 0.3 / - 0.4					+ 0.3 / - 0.3				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.2				
2.0H		+ 0.3 / - 0.4					+ 0.3 / - 0.3				

CIE Pub.117 Corrected 409.6 lm Total Lamp Luminous Flux.(8log(F/F0) = -3.1)

Test System:HOPPO HP880D
 Temperature:25.3DEG
 Operators:
 Test Date:06-12-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:1.000 m
 Remarks:

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:										
Address:										
NAME:					TYPE:			WEIGHT:		
SPECIFICATION:			CCT(K): 0		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) x RCR = 5									
k = 0.60	75	67	61	74	66	61	73	66	61	56
0.80	83	75	70	83	75	70	81	74	69	64
1.00	90	82	77	88	81	76	87	82	76	70
1.25	95	87	82	93	87	82	91	85	81	76
1.50	98	91	87	97	91	86	94	89	85	79
2.00	103	97	92	101	95	91	98	93	90	83
2.50	105	100	95	103	98	95	100	96	93	85
3.00	107	103	99	105	101	98	102	98	95	88
4.00	110	106	103	108	104	102	104	101	99	91
5.00	112	109	106	110	107	104	105	103	101	92
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNOM = 1.25										

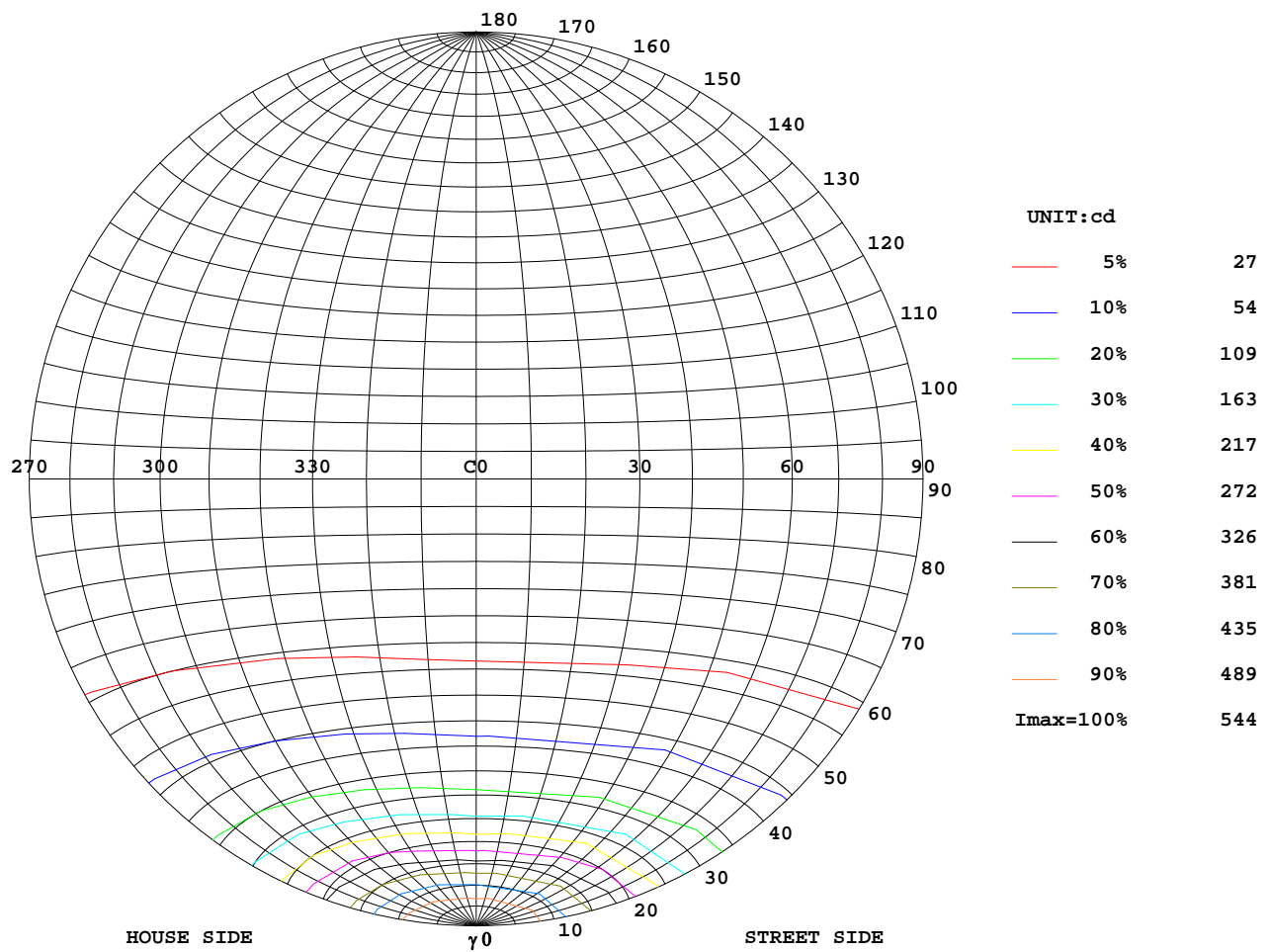
Test System:HOPPO HP880D
 Temperature:25.3DEG
 Operators:
 Test Date:06-12-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:1.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



Test System:HOP00 HP880D
Temperature:25.3DEG
Operators:
Test Date:06-12-2023

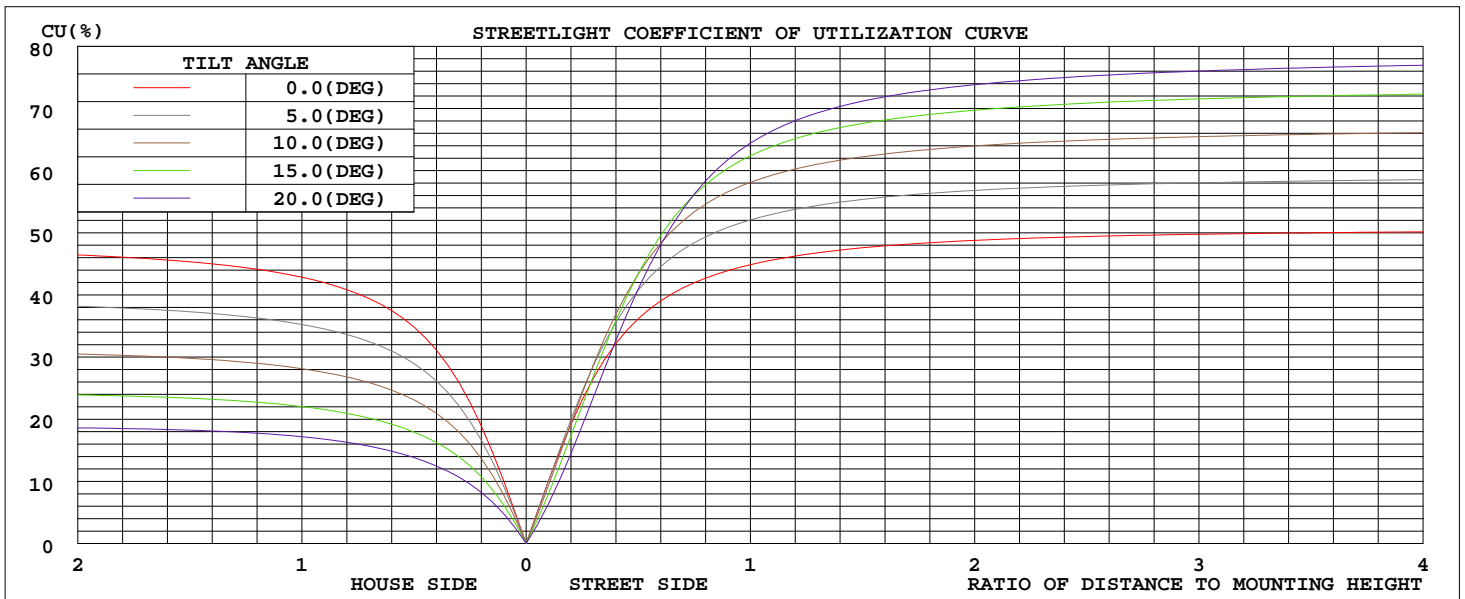
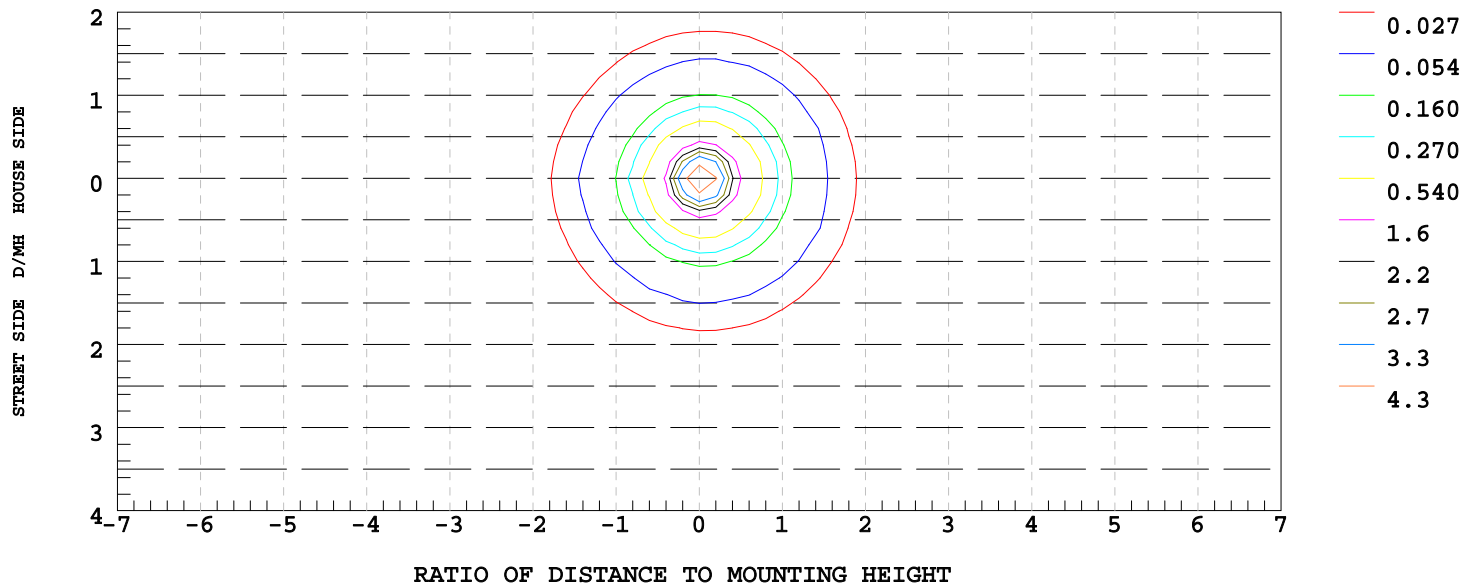
Test Set: 10.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:1.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 5.43 lx



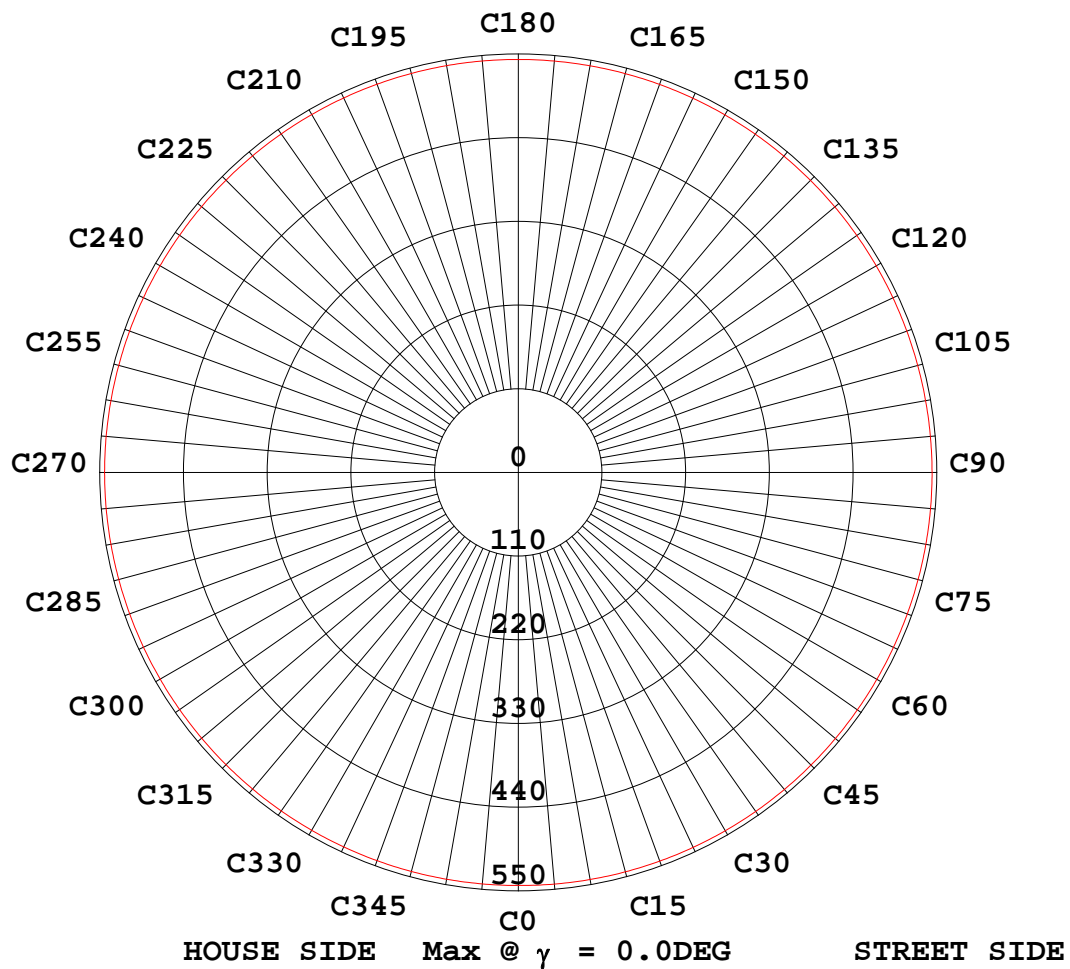
Test System:HOPPO HP880D
Temperature:25.3DEG
Operators:
Test Date:06-12-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:1.000 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



Test System:HOP00 HP880D
Temperature:25.3DEG
Operators:
Test Date:06-12-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:1.000 m
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270
0.0	543	544	543	544
5.0	513	524	526	519
10.0	438	461	483	449
15.0	337	379	403	351
20.0	238	287	315	242
25.0	169	203	233	180
30.0	117	140	164	122
35.0	82.9	96.2	117	84.9
40.0	60.1	68.8	84.0	61.3
45.0	46.0	51.8	60.9	45.9
50.0	36.7	40.2	46.5	35.6
55.0	29.5	31.9	36.6	28.6
60.0	23.6	26.0	28.4	22.7
65.0	18.4	20.6	22.7	18.0
70.0	13.6	16.2	17.8	13.9
75.0	9.69	12.1	13.4	10.2
80.0	6.28	8.30	9.65	6.80
85.0	3.41	5.23	6.37	4.06
90.0	1.54	1.99	2.98	1.72
95.0	0.30	0.27	1.00	0.55
100.0	0.17	0.10	0.09	0.16
105.0	0.20	0.14	0.12	0.18
110.0	0.23	0.18	0.17	0.21
115.0	0.28	0.24	0.21	0.24
120.0	0.34	0.29	0.28	0.29
125.0	0.41	0.36	0.34	0.36
130.0	0.52	0.45	0.43	0.43
135.0	0.65	0.58	0.55	0.55
140.0	0.83	0.76	0.71	0.73
145.0	1.06	0.99	0.93	0.95
150.0	1.29	1.22	1.20	1.23
155.0	1.48	1.39	1.50	1.52
160.0	1.55	1.45	1.72	1.72
165.0	1.46	1.40	1.77	1.76
170.0	1.28	1.24	1.62	1.59
175.0	1.12	1.11	1.36	1.31
180.0	1.17	1.05	1.17	1.05

Test System:HOP00 HP880D
Temperature:25.3DEG
Operators:
Test Date:06-12-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:1.000 m
Remarks: