

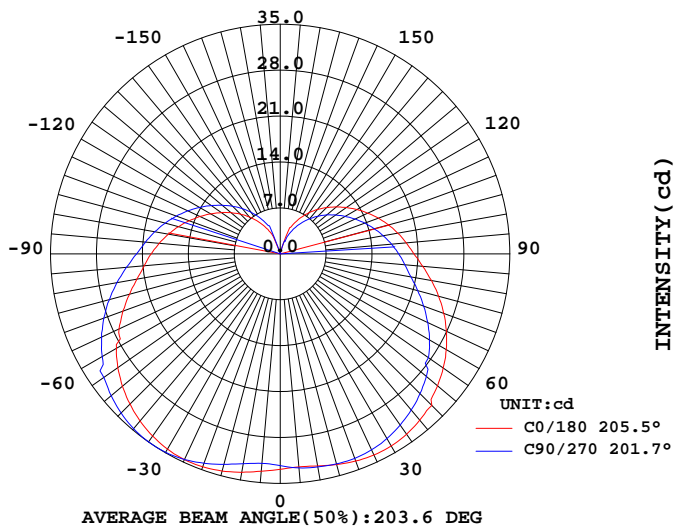
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

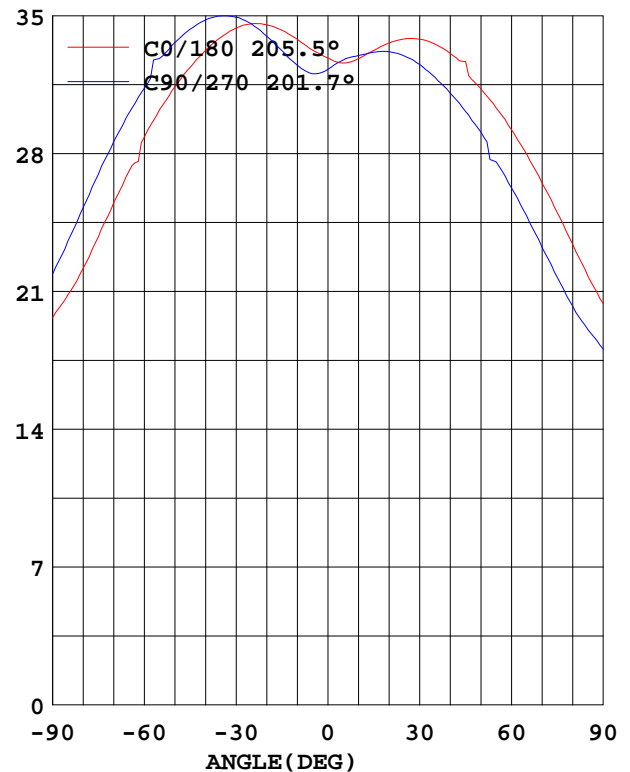
MANUFACTURER:					
Address:					
NAME:			TYPE:		WEIGHT:
SPECIFICATION:	CCT(K): 0		DIMENSION:		SERIAL No.:

DATA OF LAMP		Imax(cd)	35.02	S/MH(C0/180)	1.56
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.64
NOMINAL POWER(W)	2	TOTAL FLUX(lm)	254.2	Voltage(V)	12.03
RATED VOLTAGE(V)	12	EFFICIENCY(lm/W)	114.5	Current(A)	0.225
NOMINAL FLUX(lm)	254.2	η up(%)	30.1	Power(W)	2.220
LAMPS QUANTITY	1	η down(%)	69.9	Power Factor(PF)	0.817
TEST VOLTAGE(V)	12.0	Effective Flux(lm)	61.5	EEI	0.224

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPPO HP880D
Temperature:25.3DEG
Operators:
Test Date:07-01-2023

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.:

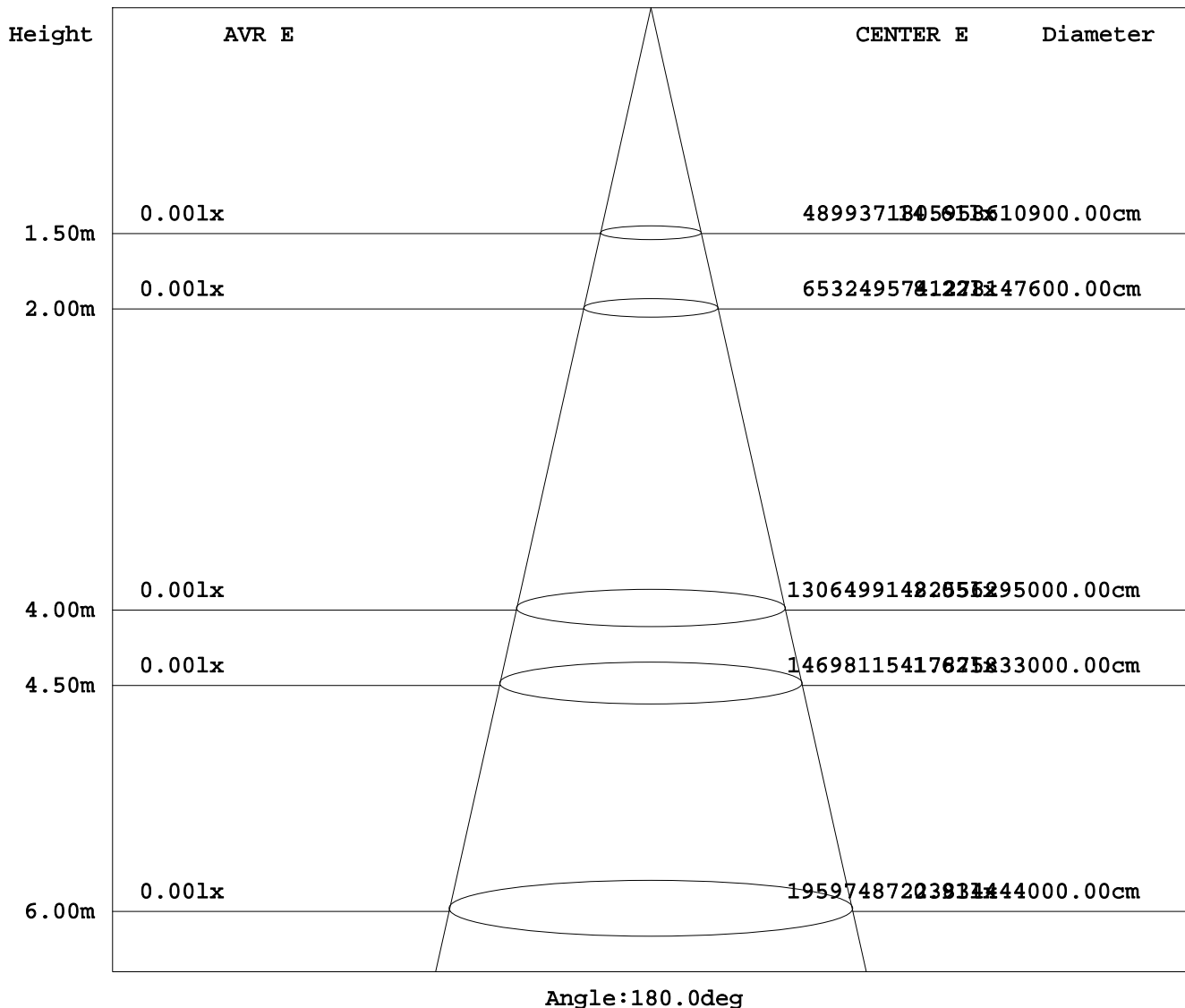
Test System:HOP00 HP880D
Temperature:25.3DEG
Operators:
Test Date:07-01-2023

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:07-01-2023

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	33.27	32.06	32.61	32.76					0- 5	0.780	0.780
10.0	33.83	32.51	32.83	33.00					5- 10	2.351	3.131
15.0	34.28	33.24	33.25	33.17					10- 15	3.948	7.079
20.0	34.55	33.98	33.62	33.19					15- 20	5.552	12.63
25.0	34.60	34.60	33.84	32.97					20- 25	7.120	19.75
30.0	34.38	34.94	33.83	32.54					25- 30	8.602	28.35
35.0	33.92	35.00	33.58	31.89					30- 35	9.948	38.30
40.0	33.27	34.80	33.10	31.07					35- 40	11.12	49.42
45.0	32.40	34.33	32.68	30.15					40- 45	12.11	61.54
50.0	31.41	33.65	31.31	29.11					45- 50	12.86	74.41
55.0	30.25	32.84	30.33	27.59					50- 55	13.38	87.79
60.0	28.84	31.33	29.23	26.27					55- 60	13.69	101.4
65.0	27.11	30.07	27.98	24.83					60- 65	13.69	115.1
70.0	25.52	28.64	26.52	23.25					65- 70	13.54	128.7
75.0	23.79	26.97	25.00	21.71					70- 75	13.16	141.9
80.0	22.18	25.27	23.42	20.27					75- 80	12.61	154.5
85.0	20.84	23.56	21.78	19.06					80- 85	11.96	166.4
90.0	19.67	21.90	20.39	18.07					85- 90	11.31	177.8
95.0	18.53	20.64	19.31	17.05					90- 95	10.64	188.4
100.0	17.34	19.45	18.20	15.94					95-100	9.952	198.4
105.0	16.05	18.15	17.09	14.85					100-105	9.176	207.5
110.0	14.79	16.87	15.94	13.74					105-110	8.336	215.9
115.0	13.52	15.56	14.71	12.62					110-115	7.455	223.3
120.0	12.20	14.18	13.53	11.45					115-120	6.553	229.9
125.0	10.98	12.86	12.34	10.35					120-125	5.662	235.5
130.0	9.803	11.56	11.17	9.275					125-130	4.801	240.3
135.0	8.566	10.25	9.984	8.141					130-135	3.979	244.3
140.0	7.365	9.020	8.855	7.026					135-140	3.209	247.5
145.0	6.154	7.767	7.697	5.893					140-145	2.495	250.0
150.0	4.880	6.431	6.458	4.693					145-150	1.842	251.9
155.0	3.678	5.136	5.250	3.552					150-155	1.273	253.1
160.0	0.850	2.716	4.262	2.073					155-160	0.771	253.9
165.0	0.209	0.131	0.383	0.521					160-165	0.208	254.1
170.0	0.135	0.082	0.140	0.203					165-170	0.023	254.1
175.0	0.101	0.061	0.089	0.133					170-175	0.008	254.1
180.0	0.076	0.059	0.070	0.073					175-180	0.002	254.2
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPPO HP880D
 Temperature:25.3DEG
 Operators:
 Test Date:07-01-2023

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

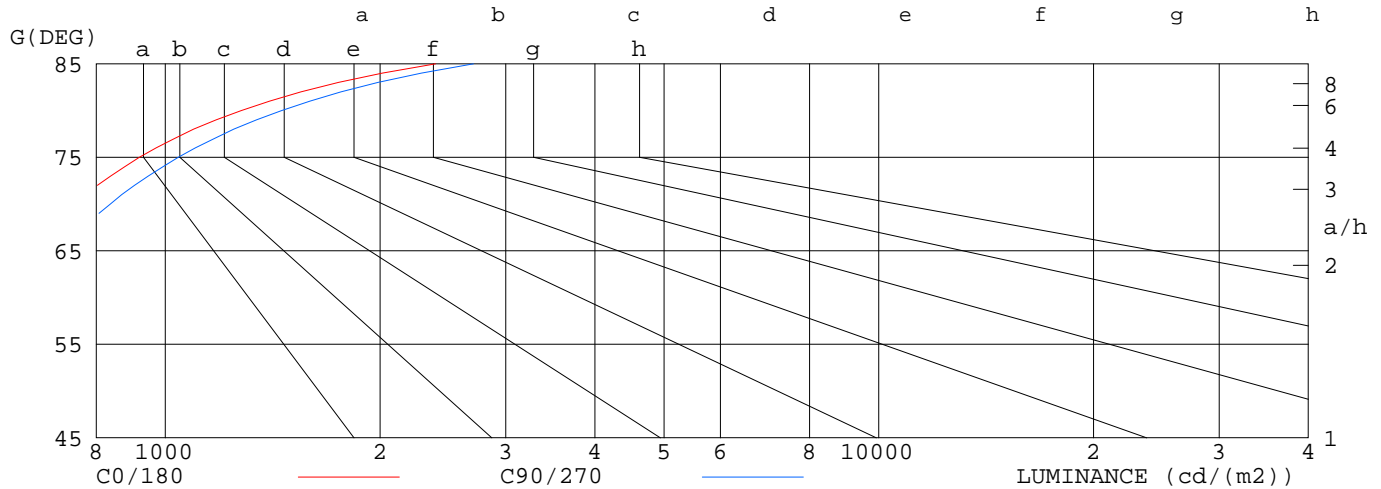
LUMINANCE LIMITATION CURVES

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	2391	2703
80	1278	1456
75	919	1042
70	746	837
65	642	712
60	577	627
55	527	573
50	489	524
45	458	486

Test System:HOPPO HP880D
 Temperature:25.3DEG
 Operators:
 Test Date:07-01-2023

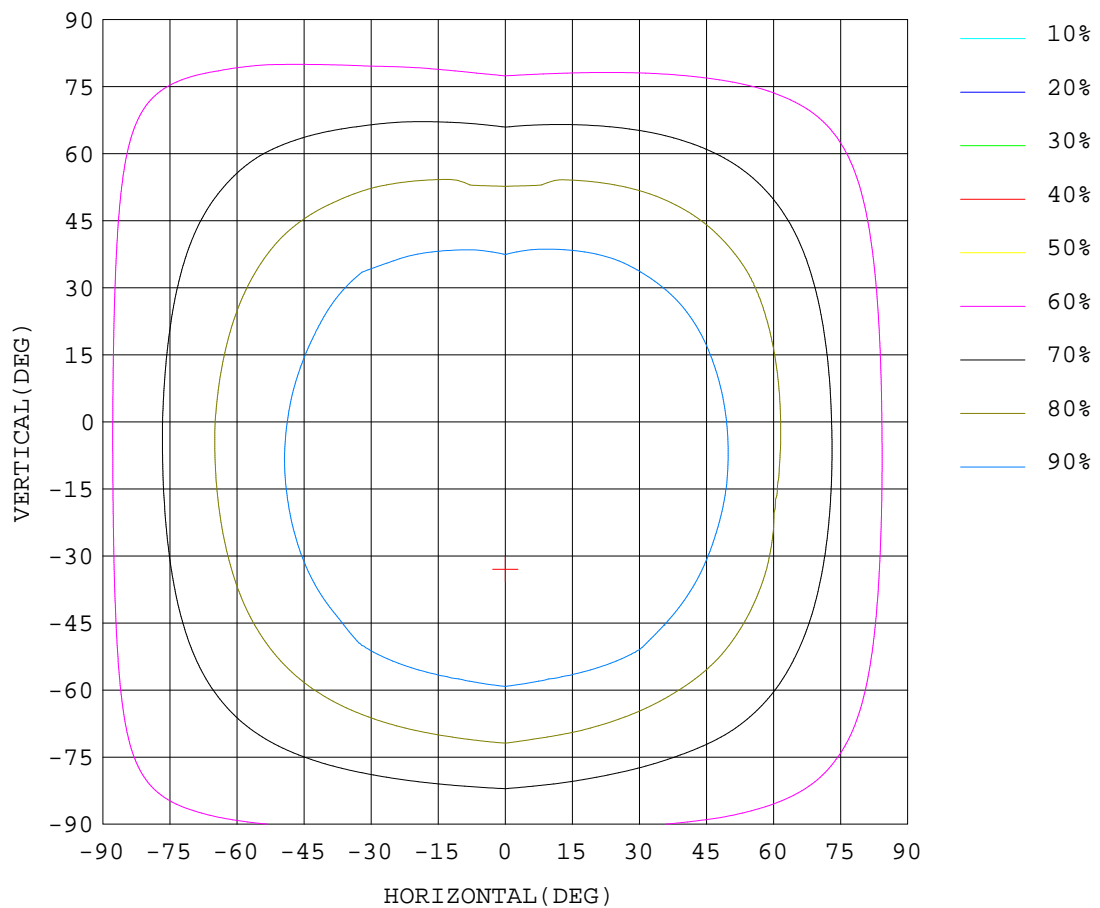
Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:1.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

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

UNIT: cd



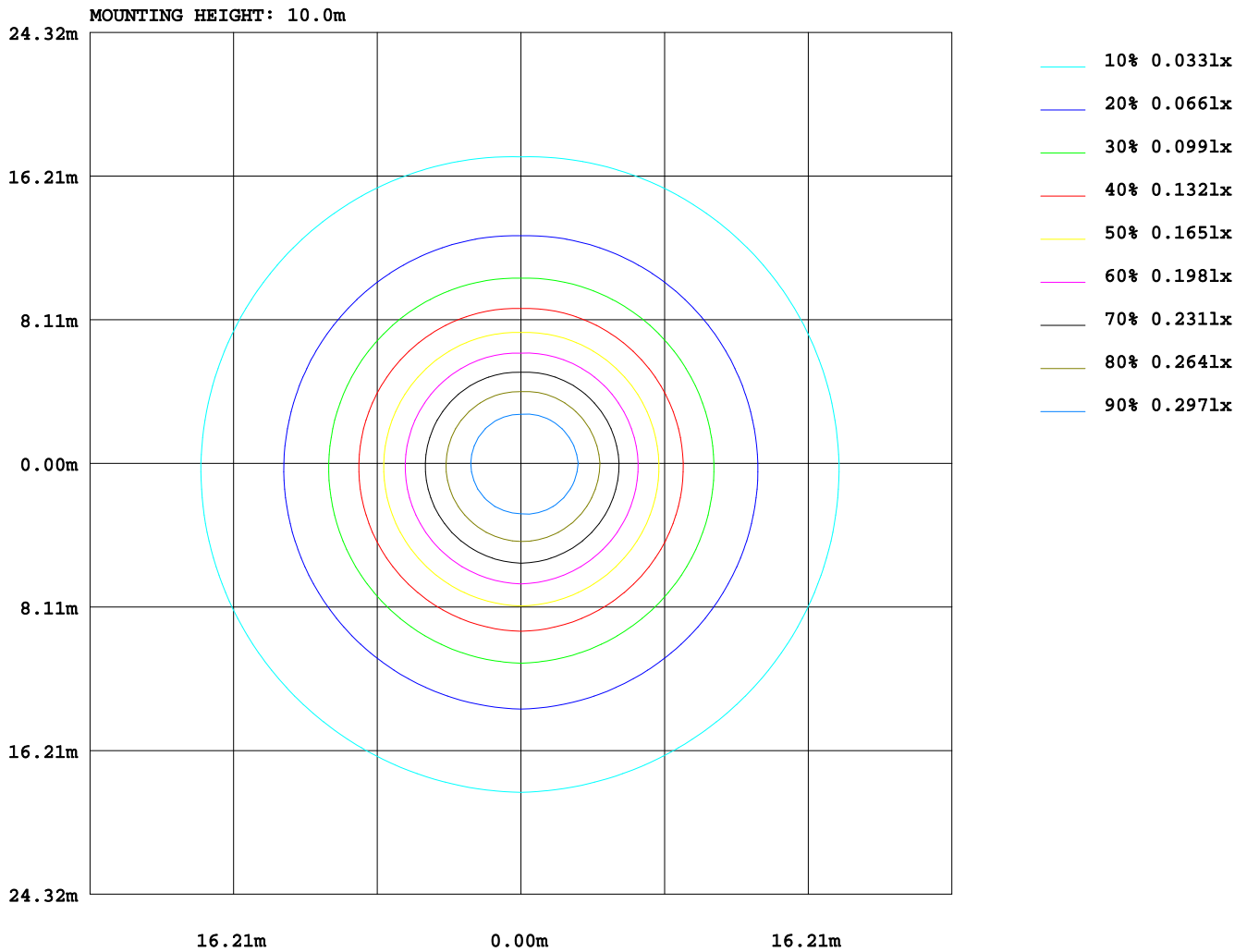
Test System:HOP00 HP880D
Temperature:25.3DEG
Operators:
Test Date:07-01-2023

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:07-01-2023

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.:				

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90			
VERTICAL (DEG)	90	0.05	0.16	0.26	0.35	0.43	0.50	0.54	0.57	0.58	0.58	0.57	0.54	0.49	0.42	0.34	0.25	0.16	0.05	6.86	4.82	
	80	0.05	0.17	0.28	0.38	0.47	0.55	0.61	0.65	0.66	0.66	0.64	0.60	0.54	0.46	0.37	0.27	0.16	0.05	7.58	5.41	
	70	0.06	0.17	0.29	0.41	0.52	0.62	0.69	0.74	0.76	0.75	0.73	0.68	0.61	0.51	0.40	0.28	0.16	0.05	8.42	6.11	
	60	0.06	0.18	0.31	0.44	0.57	0.67	0.76	0.82	0.84	0.84	0.81	0.76	0.67	0.55	0.43	0.30	0.17	0.05	9.21	6.75	
	50	0.06	0.18	0.32	0.47	0.60	0.72	0.82	0.89	0.92	0.92	0.89	0.82	0.72	0.60	0.46	0.31	0.18	0.05	9.92	7.33	
	40	0.06	0.19	0.34	0.49	0.63	0.77	0.87	0.94	0.97	0.97	0.94	0.87	0.77	0.63	0.48	0.32	0.18	0.06	10.4	7.76	
	30	0.06	0.19	0.35	0.51	0.66	0.80	0.90	0.97	1.00	1.00	0.98	0.91	0.80	0.66	0.50	0.34	0.18	0.06	10.8	8.06	
	-30	0.06	0.20	0.35	0.52	0.68	0.82	0.92	0.98	1.00	1.01	0.99	0.93	0.82	0.68	0.52	0.34	0.19	0.06	11.0	8.21	
		0.06	0.20	0.36	0.53	0.69	0.83	0.93	0.98	0.99	1.00	1.00	0.95	0.84	0.69	0.53	0.35	0.19	0.06	11.1	8.26	
		0.06	0.20	0.36	0.53	0.70	0.84	0.93	0.98	0.99	1.00	1.00	0.95	0.85	0.70	0.53	0.35	0.19	0.06	11.2	8.27	
		0.06	0.20	0.36	0.53	0.69	0.84	0.94	1.00	1.01	1.01	1.00	0.95	0.84	0.70	0.53	0.35	0.19	0.06	11.2	8.34	
		0.06	0.20	0.35	0.52	0.69	0.83	0.94	1.01	1.04	1.04	1.01	0.95	0.83	0.69	0.52	0.34	0.19	0.06	11.2	8.41	
		0.06	0.19	0.35	0.51	0.67	0.81	0.93	1.01	1.05	1.05	1.01	0.93	0.82	0.67	0.50	0.34	0.18	0.06	11.1	8.34	
	-40	0.06	0.19	0.34	0.49	0.65	0.79	0.90	0.99	1.03	1.03	0.99	0.90	0.79	0.64	0.48	0.33	0.18	0.06	10.8	8.10	
		0.06	0.18	0.32	0.47	0.61	0.75	0.86	0.94	0.99	0.99	0.94	0.85	0.74	0.60	0.46	0.31	0.18	0.05	10.2	7.68	
	-50	0.06	0.18	0.31	0.44	0.57	0.69	0.79	0.86	0.91	0.90	0.86	0.78	0.68	0.56	0.43	0.30	0.17	0.05	9.55	7.08	
		0.06	0.17	0.29	0.41	0.53	0.63	0.72	0.78	0.81	0.81	0.77	0.71	0.62	0.51	0.40	0.28	0.17	0.05	8.71	6.39	
	-60	0.05	0.17	0.28	0.38	0.48	0.56	0.63	0.68	0.71	0.71	0.68	0.62	0.55	0.47	0.37	0.27	0.16	0.05	7.82	5.64	
0.05		0.16	0.26	0.35	0.43	0.50	0.54	0.57	0.58	0.58	0.57	0.54	0.49	0.42	0.34	0.25	0.16	0.05	6.86	4.82		
HORIZONTAL (DEG)																						
Φ t	1.02	3.30	5.81	8.38	10.8	13.0	14.7	15.7	16.2	16.3	15.8	14.7	12.9	10.7	8.23	5.62	3.16	0.99	254			
Φ a	0.00	0.00	0.00	0.00	5.72	13.0	14.7	15.7	16.2	16.3	15.8	14.7	12.9	5.67	0.00	0.00	0.00	0.00		62		

Test System:HOPPO HP880D
 Temperature:25.3DEG
 Operators:
 Test Date:07-01-2023

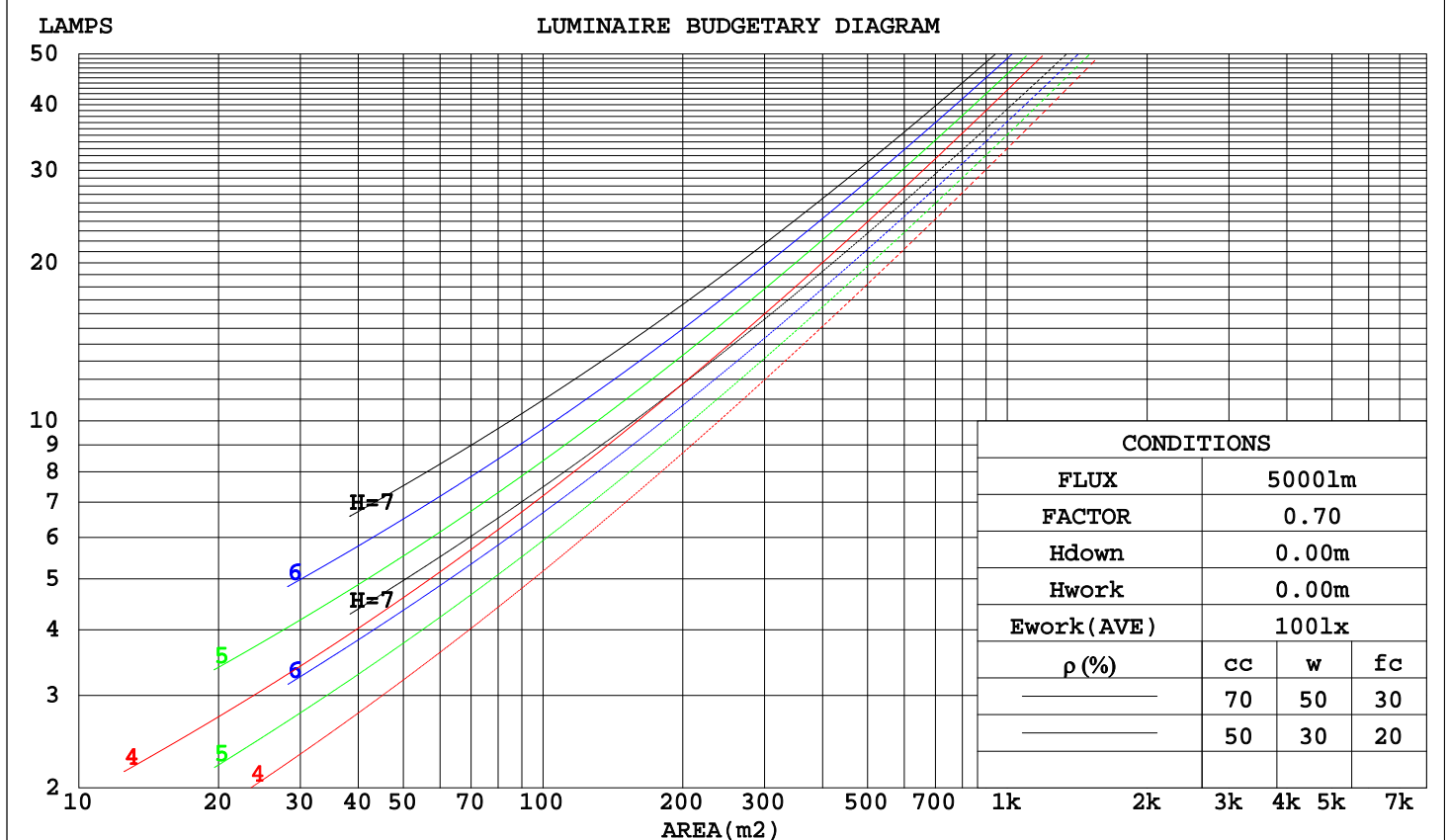
Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:1.000 m
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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															



Test System:HOPPO HP880D
 Temperature:25.3DEG
 Operators:
 Test Date:07-01-2023

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.:			

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	.410	.233	.074	.393	.224	.071	.363	.208	.066	.334	.193	.062	.308	.179	.058	
2.0	.347	.190	.058	.332	.183	.056	.304	.169	.053	.278	.156	.049	.254	.144	.045	
3.0	.304	.162	.049	.291	.156	.047	.265	.144	.044	.242	.133	.041	.220	.122	.038	
4.0	.272	.141	.042	.260	.136	.040	.236	.125	.037	.215	.115	.035	.195	.106	.032	
5.0	.246	.125	.036	.235	.120	.035	.213	.111	.033	.194	.102	.030	.175	.094	.028	
6.0	.224	.112	.032	.214	.108	.031	.195	.100	.029	.176	.092	.027	.159	.084	.025	
7.0	.206	.102	.029	.197	.098	.028	.179	.090	.026	.162	.083	.024	.146	.076	.022	
8.0	.191	.093	.026	.182	.090	.025	.166	.083	.024	.150	.076	.022	.135	.069	.020	
9.0	.177	.086	.024	.169	.083	.023	.154	.076	.022	.140	.070	.020	.126	.064	.018	
10.0	.166	.079	.022	.158	.076	.021	.144	.071	.020	.131	.065	.018	.118	.059	.017	

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	.419	.419	.419	.358	.358	.358	.245	.245	.245	.141	.141	.141	.045	.045	.045	
1.0	.418	.386	.357	.358	.331	.308	.245	.228	.213	.141	.132	.124	.045	.042	.040	
2.0	.412	.364	.324	.353	.313	.280	.242	.217	.195	.139	.126	.114	.045	.041	.037	
3.0	.405	.348	.303	.347	.300	.263	.238	.209	.184	.138	.122	.109	.044	.040	.036	
4.0	.397	.336	.290	.341	.291	.252	.234	.202	.177	.136	.119	.105	.044	.039	.034	
5.0	.390	.327	.280	.335	.283	.244	.230	.197	.172	.133	.116	.102	.043	.038	.034	
6.0	.382	.319	.274	.328	.276	.238	.227	.193	.169	.131	.114	.100	.042	.037	.033	
7.0	.375	.313	.269	.323	.271	.234	.223	.190	.166	.129	.112	.099	.042	.037	.033	
8.0	.368	.307	.265	.317	.267	.231	.219	.187	.164	.128	.110	.098	.041	.036	.032	
9.0	.362	.303	.262	.312	.263	.229	.216	.185	.163	.126	.109	.097	.041	.036	.032	
10.0	.356	.299	.260	.307	.259	.227	.213	.182	.161	.124	.108	.096	.040	.035	.032	

Test System:HOPPO HP880D
 Temperature:25.3DEG
 Operators:
 Test Date:07-01-2023

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	9.0	10.3	9.6	10.9	11.7	9.3	10.6	10.0	11.3	12.1
	3H	11.6	12.8	12.3	13.5	14.4	12.1	13.3	12.8	14.0	14.8
	4H	13.1	14.2	13.8	14.9	15.8	13.7	14.8	14.4	15.5	16.4
	6H	14.7	15.8	15.4	16.5	17.4	15.4	16.4	16.1	17.2	18.0
	8H	15.6	16.6	16.3	17.4	18.3	16.3	17.3	17.0	18.1	19.0
	12H	16.7	17.6	17.4	18.4	19.3	17.4	18.4	18.1	19.1	20.0
4H	2H	9.9	11.0	10.6	11.7	12.6	10.2	11.3	10.9	12.0	12.9
	3H	12.7	13.7	13.5	14.5	15.4	13.1	14.1	13.9	14.9	15.8
	4H	14.4	15.2	15.1	16.0	17.0	14.8	15.7	15.6	16.5	17.4
	6H	16.1	16.9	16.9	17.7	18.7	16.7	17.5	17.5	18.3	19.3
	8H	17.1	17.9	17.9	18.7	19.7	17.7	18.5	18.5	19.3	20.3
	12H	18.3	19.0	19.1	19.8	20.8	18.9	19.6	19.7	20.4	21.4
8H	4H	15.0	15.8	15.8	16.6	17.6	15.4	16.1	16.2	17.0	17.9
	6H	17.1	17.7	17.9	18.6	19.6	17.5	18.2	18.4	19.0	20.0
	8H	18.3	18.8	19.1	19.7	20.7	18.8	19.3	19.6	20.2	21.2
	12H	19.6	20.1	20.5	21.0	22.1	20.2	20.7	21.1	21.6	22.6
12H	4H	15.2	15.9	16.0	16.7	17.7	15.5	16.2	16.3	17.0	18.0
	6H	17.4	18.0	18.2	18.8	19.8	17.8	18.4	18.6	19.2	20.2
	8H	18.7	19.2	19.5	20.0	21.1	19.1	19.6	20.0	20.5	21.6
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 254.2 lm Total Lamp Luminous Flux.(8log(F/F0) = -4.8)

Test System:HOPPO HP880D
 Temperature:25.3DEG
 Operators:
 Test Date:07-01-2023

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	42	29	22	41	29	21	38	27	21	14
0.80	51	37	29	49	36	28	45	34	27	19
1.00	58	45	36	56	43	35	51	43	33	23
1.25	65	52	42	62	50	41	57	46	39	28
1.50	70	57	48	67	55	46	61	51	44	31
2.00	78	66	57	74	63	55	67	58	51	37
2.50	83	72	63	79	68	60	71	62	56	40
3.00	87	76	68	82	73	65	74	66	60	44
4.00	92	83	76	87	79	72	78	71	66	48
5.00	95	87	81	90	83	77	80	75	70	51
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNOM = 1.25										

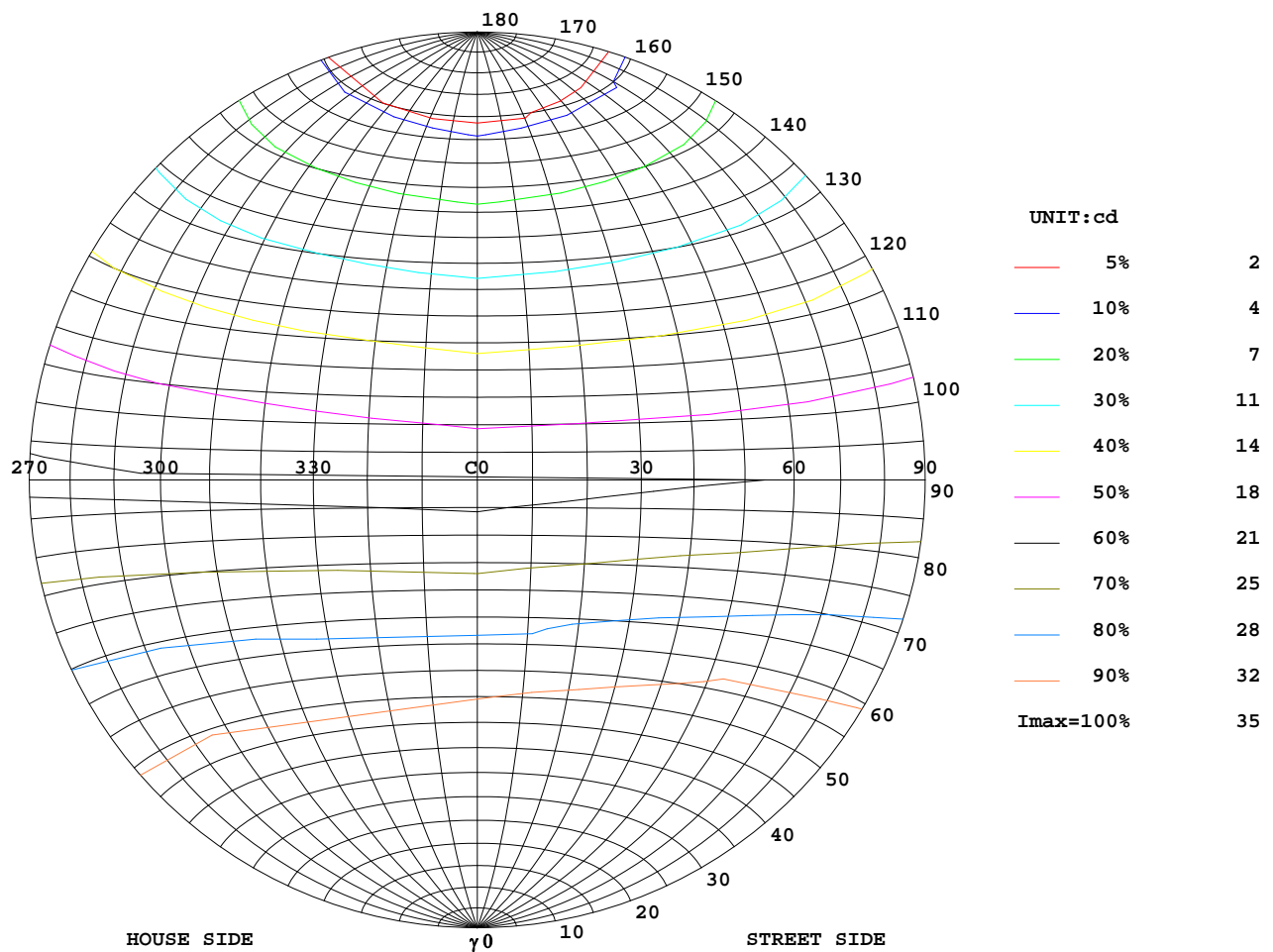
Test System:HOP00 HP880D
 Temperature:25.3DEG
 Operators:
 Test Date:07-01-2023

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:07-01-2023

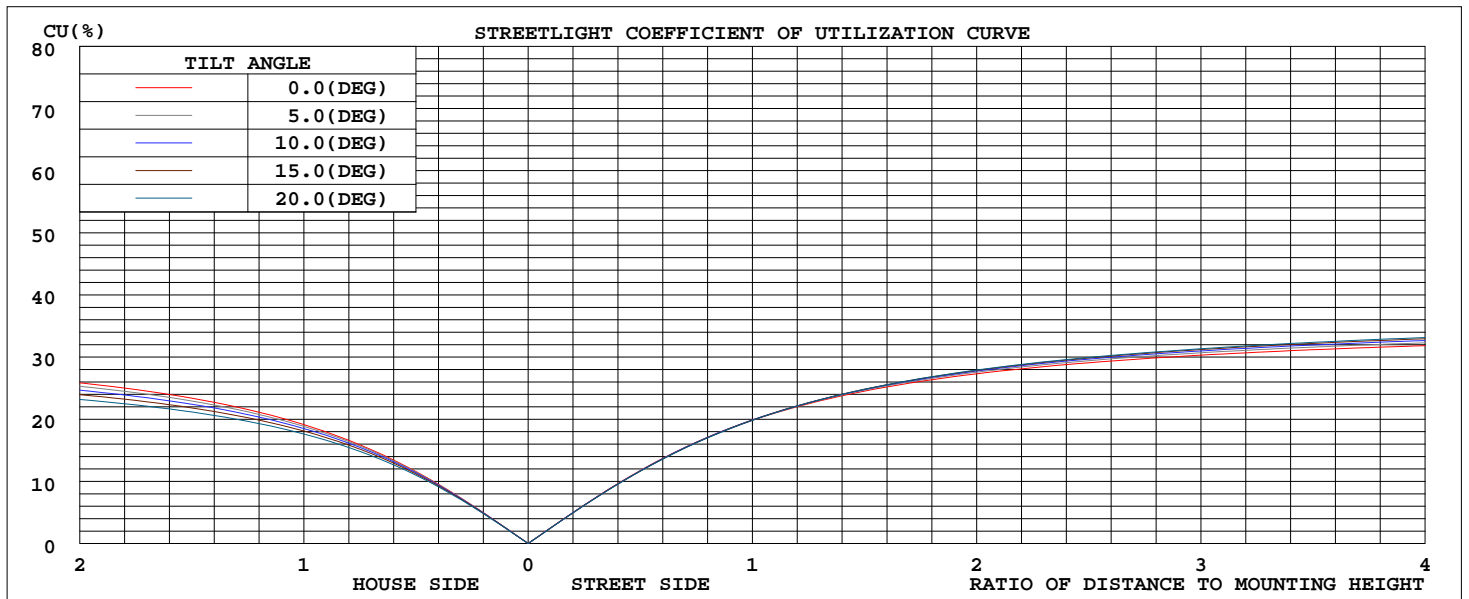
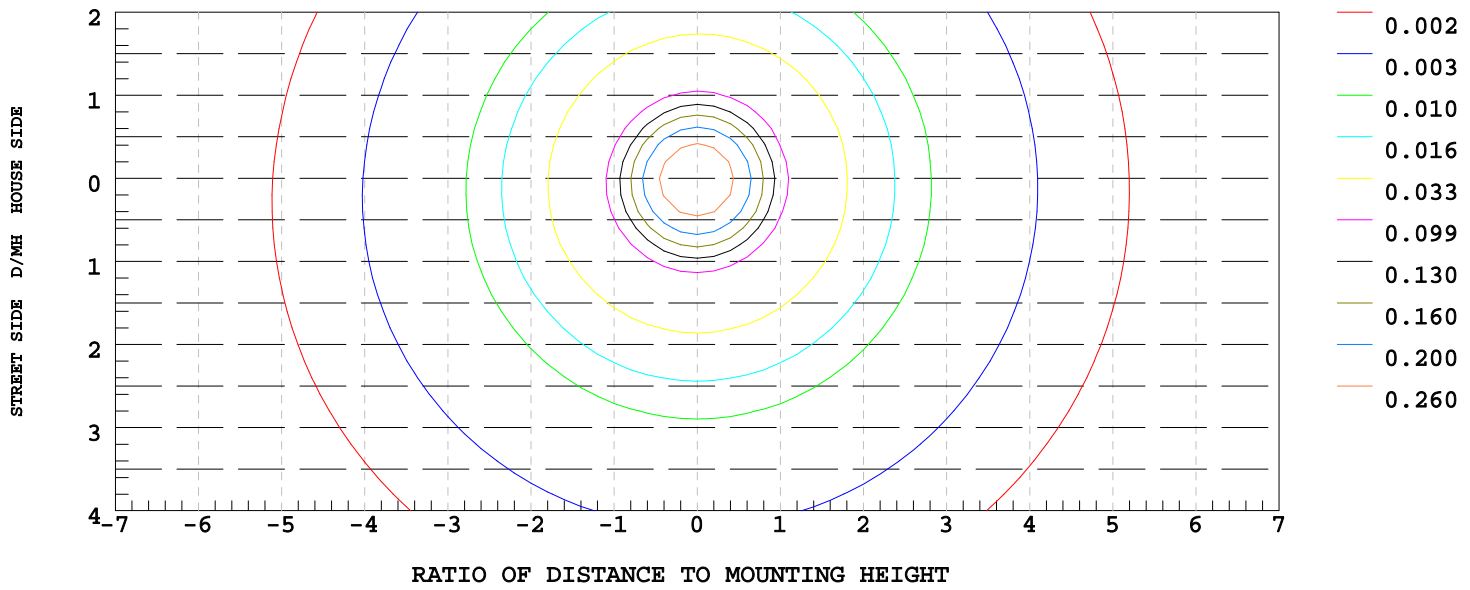
Test Set: 10.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:1.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

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

ILLUMINANCE AT MH=10 m,Enadir = 0.33 lx



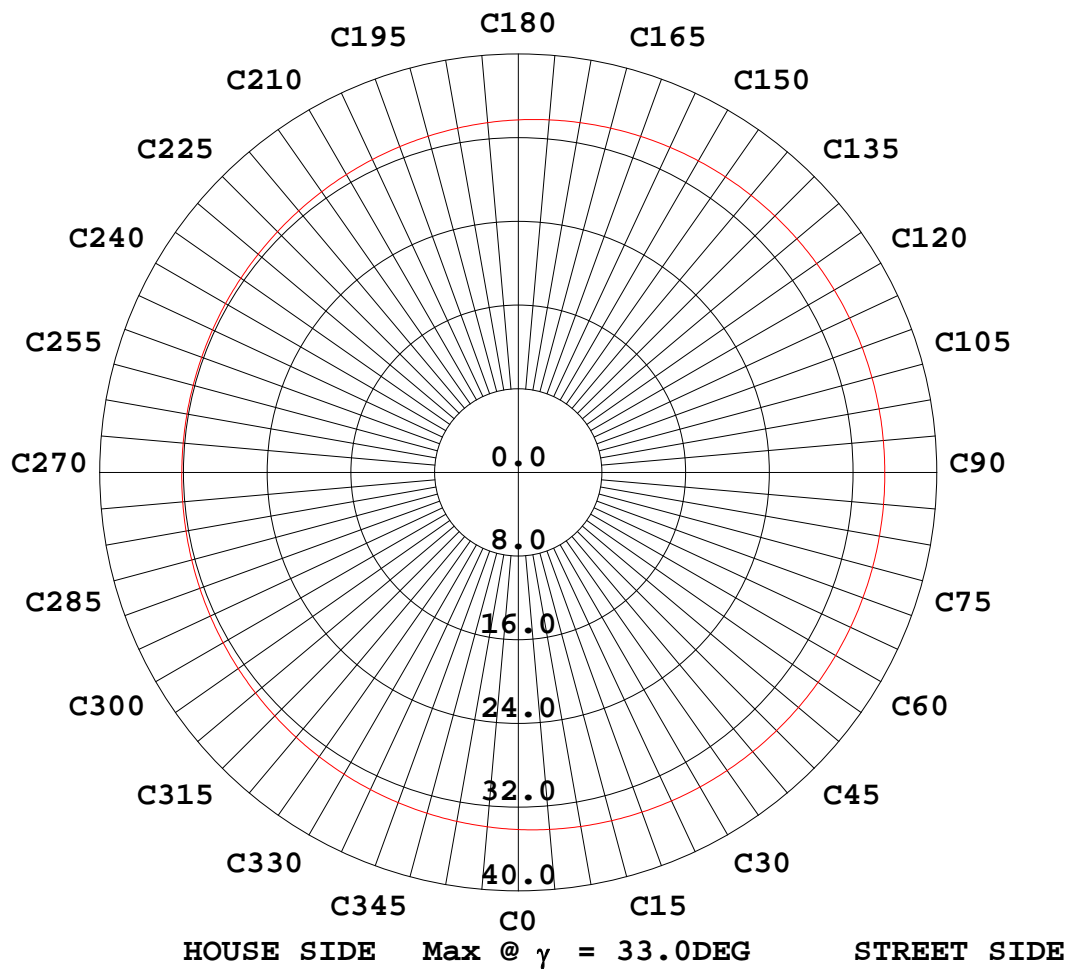
Test System:HOPPO HP880D
 Temperature:25.3DEG
 Operators:
 Test Date:07-01-2023

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:07-01-2023

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	32.8	32.2	32.8	32.2
5.0	33.2	32.0	32.6	32.7
10.0	33.8	32.5	32.8	33.0
15.0	34.2	33.2	33.2	33.1
20.0	34.5	33.9	33.6	33.1
25.0	34.6	34.6	33.8	32.9
30.0	34.3	34.9	33.8	32.5
35.0	33.9	35.0	33.5	31.8
40.0	33.2	34.8	33.1	31.0
45.0	32.4	34.3	32.6	30.1
50.0	31.4	33.6	31.3	29.1
55.0	30.2	32.8	30.3	27.5
60.0	28.8	31.3	29.2	26.2
65.0	27.1	30.0	27.9	24.8
70.0	25.5	28.6	26.5	23.2
75.0	23.7	26.9	25.0	21.7
80.0	22.1	25.2	23.4	20.2
85.0	20.8	23.5	21.7	19.0
90.0	19.6	21.9	20.3	18.0
95.0	18.5	20.6	19.3	17.0
100.0	17.3	19.4	18.2	15.9
105.0	16.0	18.1	17.0	14.8
110.0	14.7	16.8	15.9	13.7
115.0	13.5	15.5	14.7	12.6
120.0	12.2	14.1	13.5	11.4
125.0	10.9	12.8	12.3	10.3
130.0	9.80	11.5	11.1	9.27
135.0	8.56	10.2	9.98	8.14
140.0	7.36	9.02	8.85	7.02
145.0	6.15	7.76	7.69	5.89
150.0	4.88	6.43	6.45	4.69
155.0	3.67	5.13	5.25	3.55
160.0	0.85	2.71	4.26	2.07
165.0	0.21	0.13	0.38	0.52
170.0	0.14	0.08	0.14	0.20
175.0	0.10	0.06	0.09	0.13
180.0	0.08	0.06	0.07	0.07

Test System:HOP00 HP880D
Temperature:25.3DEG
Operators:
Test Date:07-01-2023

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