

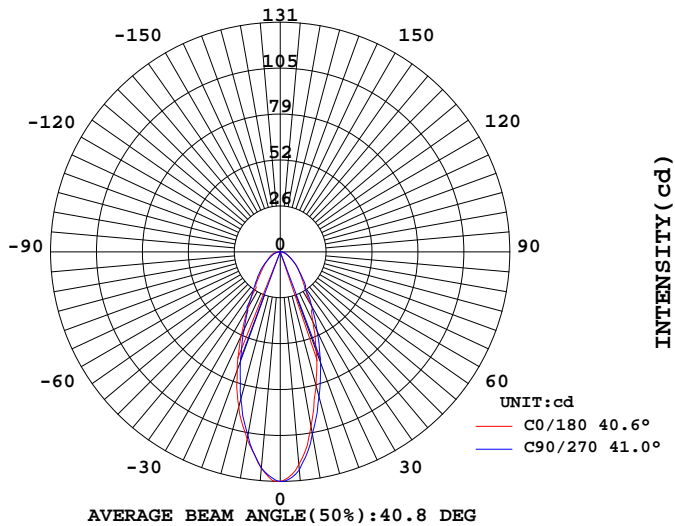
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

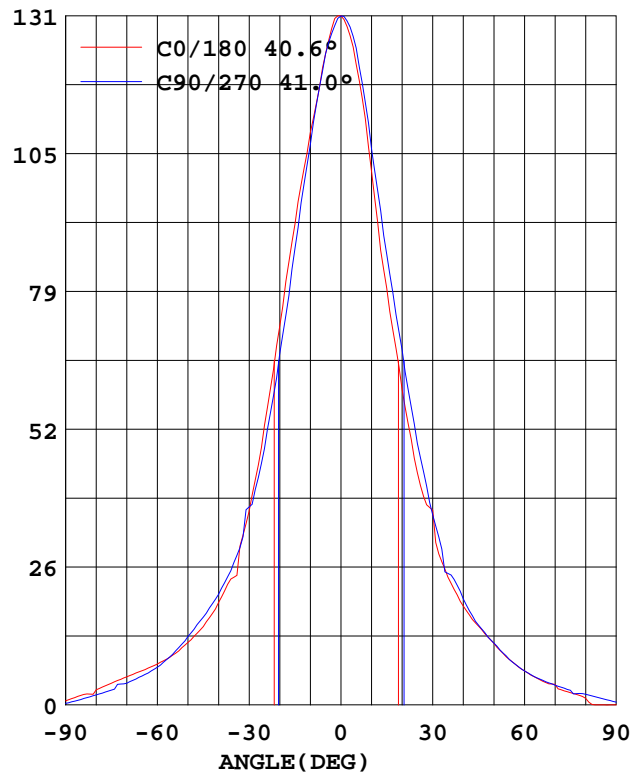
MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	130.9	S/MH(C0/180)	0.68
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.63
NOMINAL POWER(W)	1	TOTAL FLUX(lm)	104.7	Voltage(V)	12.05
RATED VOLTAGE(V)	12	EFFICIENCY(lm/W)	92.7	Current(A)	0.119
NOMINAL FLUX(lm)	104.7	η up(%)	0.7	Power(W)	1.130
LAMPS QUANTITY	1	η down(%)	99.3	Power Factor(PF)	0.784
TEST VOLTAGE(V)	12.1	Effective Flux(lm)	80.4	EEI	0.095

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOP00 HP880D
Temperature:25.3DEG
Operators:
Test Date:07-22-2023

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.:

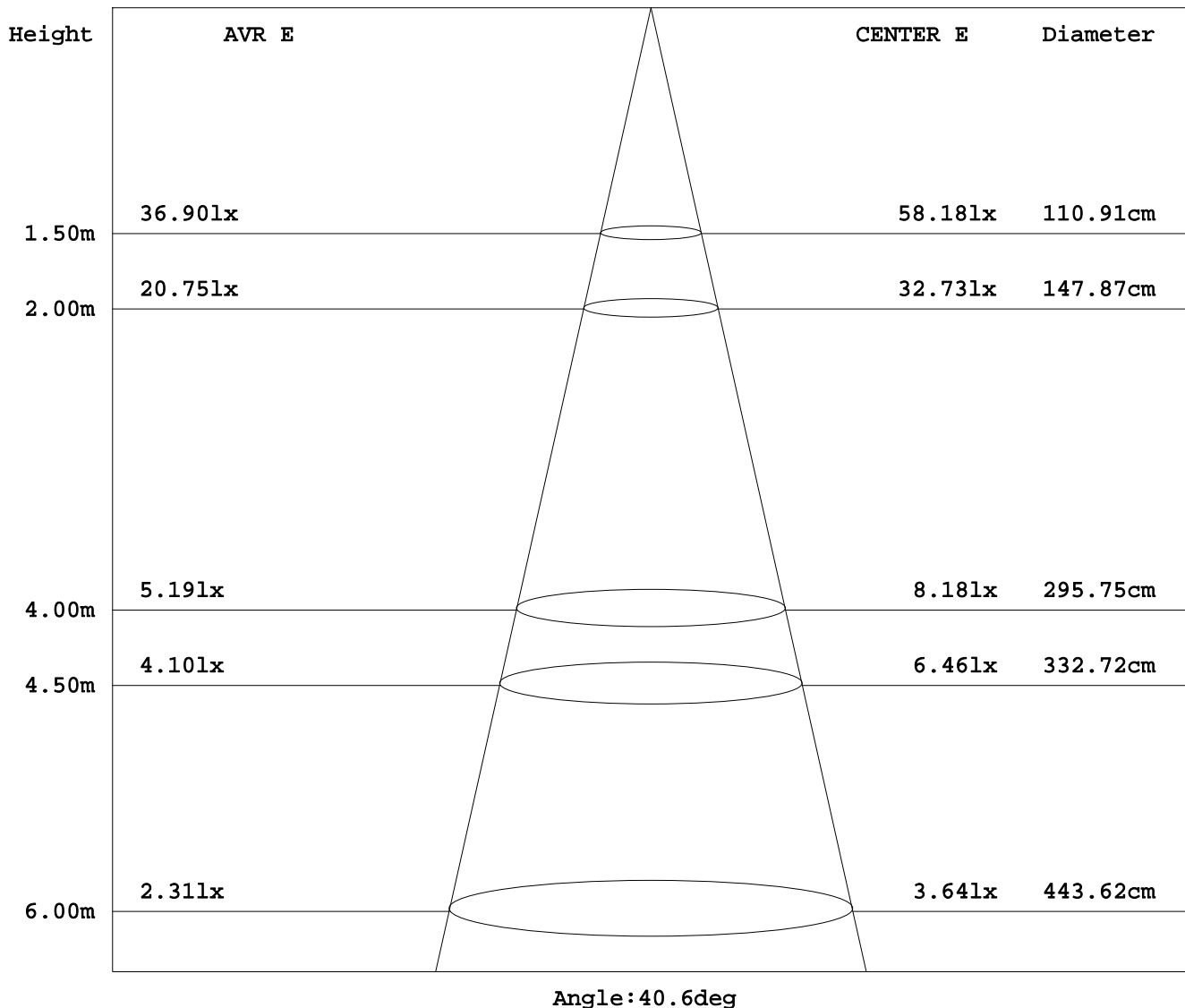
Test System:HOP00 HP880D
Temperature:25.3DEG
Operators:
Test Date:07-22-2023

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: HOPOO HP880D
Temperature: 25.3DEG
Operators:
Test Date: 07-22-2023

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	123.7	123.7	121.6	124.7					0- 5	3.037	3.037
10.0	108.6	106.2	101.3	105.5					5- 10	8.160	11.19
15.0	91.40	86.77	79.12	85.56					10- 15	11.26	22.46
20.0	71.83	66.58	59.87	67.42					15- 20	12.45	34.91
25.0	53.09	48.70	44.13	49.69					20- 25	11.98	46.90
30.0	36.77	37.58	36.97	36.11					25- 30	10.64	57.55
35.0	24.25	27.02	24.28	24.96					30- 35	8.882	66.43
40.0	19.43	20.98	18.76	20.14					35- 40	7.533	73.97
45.0	14.89	16.68	14.94	15.12					40- 45	6.469	80.44
50.0	11.86	12.99	11.72	11.75					45- 50	5.528	85.96
55.0	9.447	9.603	8.647	8.656					50- 55	4.572	90.54
60.0	7.760	7.171	6.473	6.454					55- 60	3.683	94.22
65.0	6.489	5.502	4.803	4.898					60- 65	2.990	97.21
70.0	5.347	4.121	3.899	3.740					65- 70	2.435	99.65
75.0	4.120	2.800	2.336	2.776					70- 75	1.894	101.5
80.0	2.868	1.912	1.264	2.016					75- 80	1.325	102.8
85.0	1.814	1.022	0.002	1.276					80- 85	0.743	103.6
90.0	0.772	0.295	0.005	0.547					85- 90	0.389	104.0
95.0	0.089	0.009	0.011	0.076					90- 95	0.103	104.1
100.0	0.056	0.012	0.020	0.047					95-100	0.020	104.1
105.0	0.053	0.025	0.029	0.052					100-105	0.020	104.1
110.0	0.053	0.029	0.038	0.056					105-110	0.022	104.1
115.0	0.061	0.045	0.048	0.061					110-115	0.024	104.1
120.0	0.069	0.061	0.061	0.075					115-120	0.029	104.2
125.0	0.084	0.073	0.074	0.085					120-125	0.034	104.2
130.0	0.096	0.092	0.094	0.098					125-130	0.038	104.2
135.0	0.116	0.121	0.120	0.120					130-135	0.043	104.3
140.0	0.138	0.157	0.154	0.147					135-140	0.049	104.3
145.0	0.167	0.192	0.196	0.179					140-145	0.055	104.4
150.0	0.200	0.222	0.238	0.213					145-150	0.059	104.5
155.0	0.237	0.252	0.273	0.254					150-155	0.060	104.5
160.0	0.262	0.277	0.293	0.284					155-160	0.056	104.6
165.0	0.270	0.266	0.293	0.292					160-165	0.046	104.6
170.0	0.257	0.245	0.273	0.281					165-170	0.032	104.6
175.0	0.241	0.241	0.257	0.260					170-175	0.018	104.7
180.0	0.233	0.230	0.233	0.230					175-180	0.006	104.7
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPPO HP880D
 Temperature:25.3DEG
 Operators:
 Test Date:07-22-2023

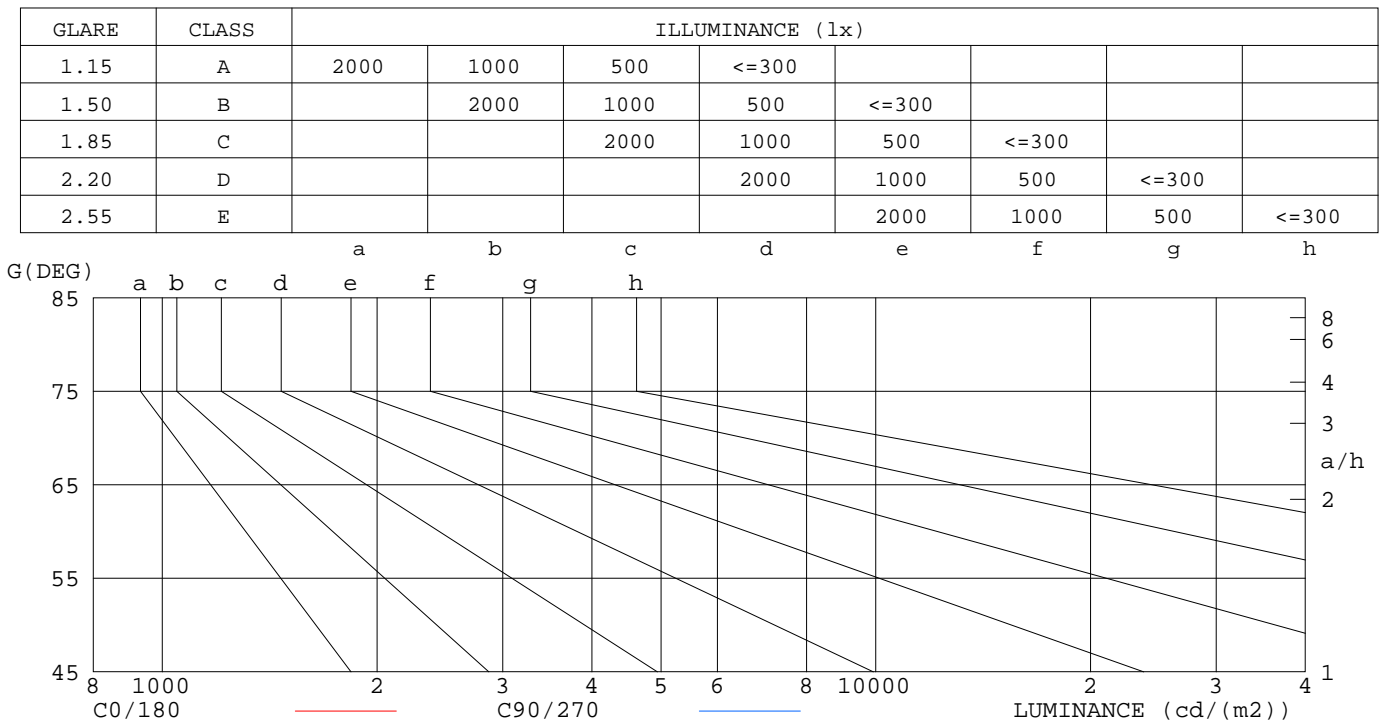
Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:1.000 m
 Remarks:

LUMINANCE LIMITATION CURVES

Report number:

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

LUMINANCE LIMITATION CURVES



LUMINANCE cd/m2		
G(DEG)	C0/180	C90/270
85	208	117
80	165	110
75	159	108
70	156	120
65	154	130
60	155	143
55	165	167
50	185	202
45	211	236

Test System:HOPPO HP880D
 Temperature:25.3DEG
 Operators:
 Test Date:07-22-2023

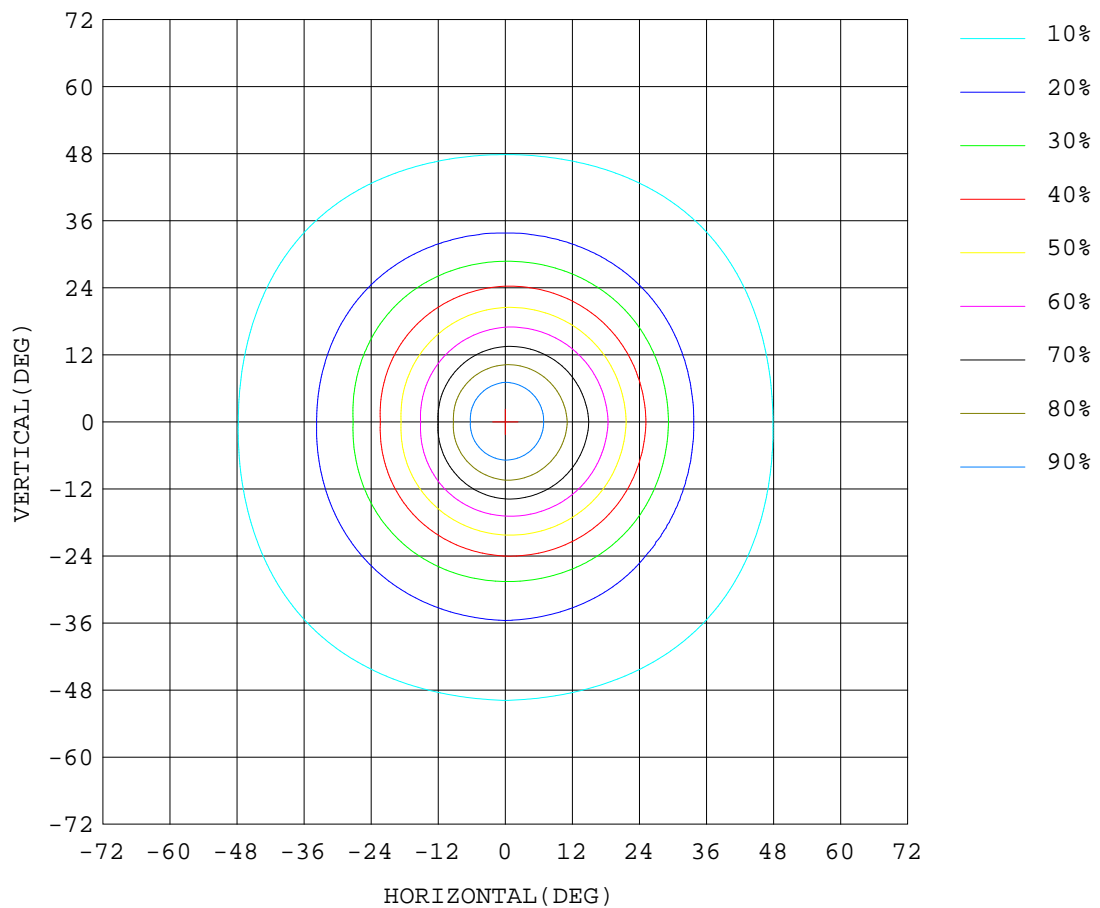
Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:1.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

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

UNIT: cd



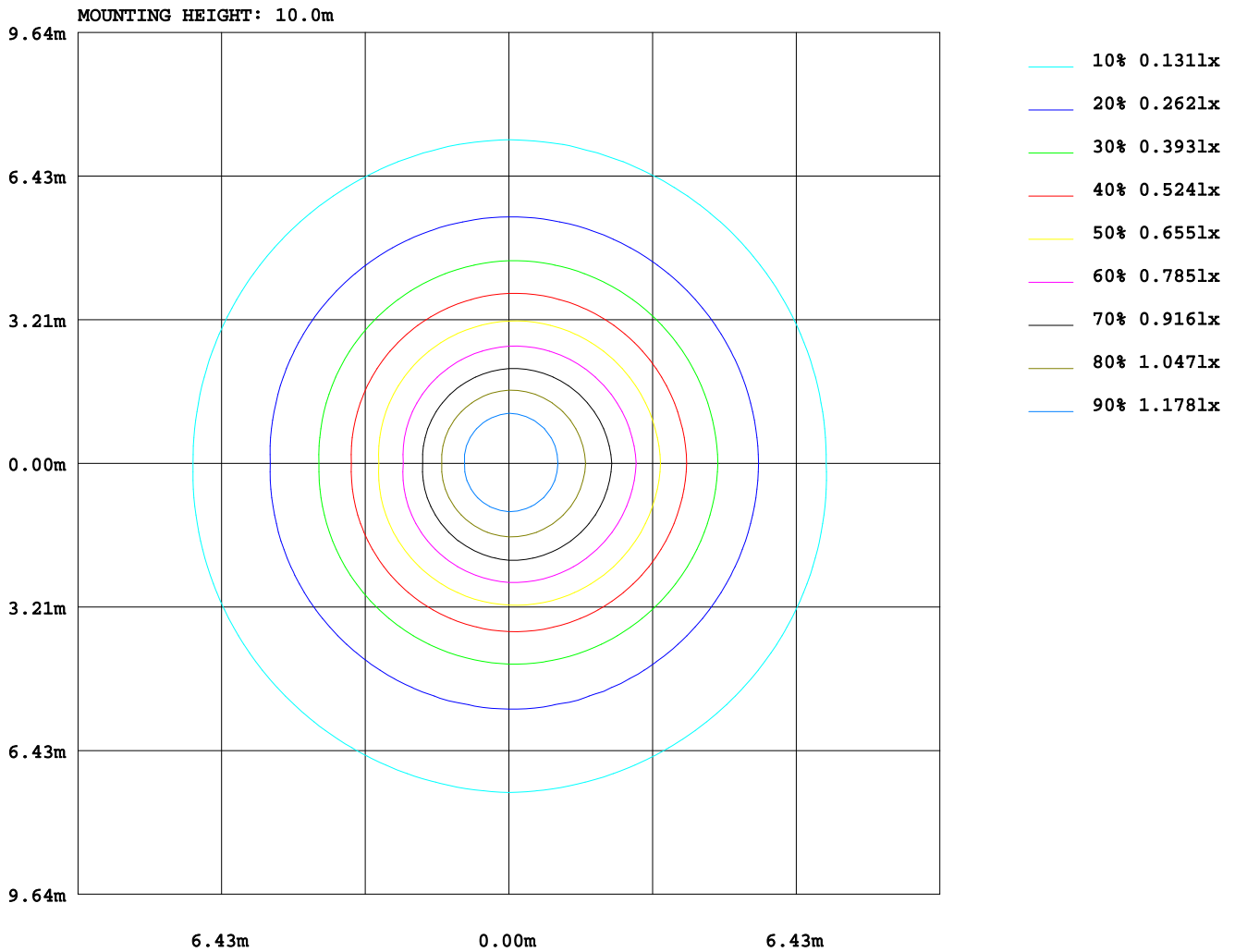
Test System:HOP00 HP880D
Temperature:25.3DEG
Operators:
Test Date:07-22-2023

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:07-22-2023

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
	0.00	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.08	0.08	0.08	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.93	0.77		
64	0.01	0.02	0.04	0.05	0.07	0.09	0.11	0.12	0.13	0.13	0.12	0.11	0.10	0.08	0.07	0.05	0.03	0.02	1.36	1.14		
56	0.02	0.03	0.05	0.07	0.10	0.13	0.16	0.19	0.20	0.20	0.19	0.17	0.14	0.11	0.09	0.06	0.04	0.03	1.98	1.70		
48	0.02	0.04	0.06	0.10	0.14	0.20	0.24	0.29	0.31	0.31	0.29	0.25	0.20	0.15	0.11	0.08	0.05	0.03	2.84	2.50		
40	0.02	0.04	0.08	0.13	0.19	0.27	0.35	0.43	0.47	0.47	0.43	0.36	0.27	0.19	0.13	0.09	0.06	0.03	4.01	3.60		
32	0.03	0.05	0.09	0.16	0.24	0.36	0.50	0.67	0.79	0.80	0.68	0.51	0.36	0.25	0.16	0.10	0.06	0.04	5.83	5.36		
24	0.03	0.06	0.11	0.19	0.30	0.46	0.73	1.02	1.25	1.28	1.08	0.77	0.48	0.30	0.19	0.11	0.07	0.04	8.47	7.94		
VERTICAL (DEG)	0.03	0.06	0.12	0.21	0.34	0.59	0.95	1.42	1.80	1.85	1.54	1.06	0.62	0.35	0.21	0.12	0.07	0.04	11.3	10.8		
	0.03	0.06	0.13	0.22	0.37	0.65	1.09	1.70	2.30	2.33	1.86	1.27	0.73	0.38	0.22	0.13	0.08	0.04	13.6	12.9		
	0.03	0.06	0.13	0.22	0.37	0.65	1.09	1.71	2.29	2.32	1.87	1.27	0.73	0.38	0.22	0.13	0.08	0.04	13.6	12.9		
	0.03	0.06	0.12	0.21	0.34	0.59	0.94	1.42	1.82	1.86	1.54	1.05	0.63	0.35	0.21	0.13	0.07	0.04	11.4	10.8		
	0.03	0.06	0.11	0.19	0.30	0.47	0.73	1.01	1.24	1.27	1.07	0.77	0.48	0.31	0.19	0.12	0.07	0.04	8.46	7.92		
-24	0.03	0.05	0.10	0.16	0.25	0.36	0.51	0.68	0.79	0.80	0.69	0.52	0.37	0.25	0.17	0.10	0.07	0.04	5.93	5.45		
-32	0.02	0.05	0.08	0.13	0.20	0.28	0.36	0.44	0.49	0.49	0.44	0.37	0.28	0.20	0.14	0.09	0.06	0.03	4.17	3.75		
	0.02	0.04	0.07	0.10	0.15	0.21	0.26	0.31	0.34	0.34	0.31	0.26	0.21	0.16	0.11	0.08	0.05	0.03	3.03	2.68		
-40	0.02	0.03	0.05	0.08	0.11	0.14	0.18	0.21	0.22	0.22	0.21	0.18	0.15	0.12	0.09	0.07	0.04	0.03	2.13	1.84		
-48	0.01	0.02	0.04	0.06	0.08	0.10	0.12	0.13	0.14	0.14	0.13	0.12	0.11	0.09	0.07	0.05	0.04	0.02	1.46	1.23		
-56	0.00	0.02	0.03	0.04	0.05	0.07	0.08	0.09	0.09	0.09	0.09	0.09	0.08	0.07	0.05	0.04	0.03	0.01	1.00	0.84		
-64																						
-72																						
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)					16	24	32	40	48	56	64	72	
Φ t	0.37	0.77	1.41	2.35	3.65	5.67	8.47	11.9	14.7	15.0	12.6	9.22	5.99	3.79	2.48	1.59	1.00	0.57	105			
Φ a	0.00	0.00	0.00	1.59	3.65	5.67	8.47	11.9	14.7	15.0	12.6	9.22	5.99	3.79	1.67	0.00	0.00	0.00		80		

Test System:HOPPO HP880D
 Temperature:25.3DEG
 Operators:
 Test Date:07-22-2023

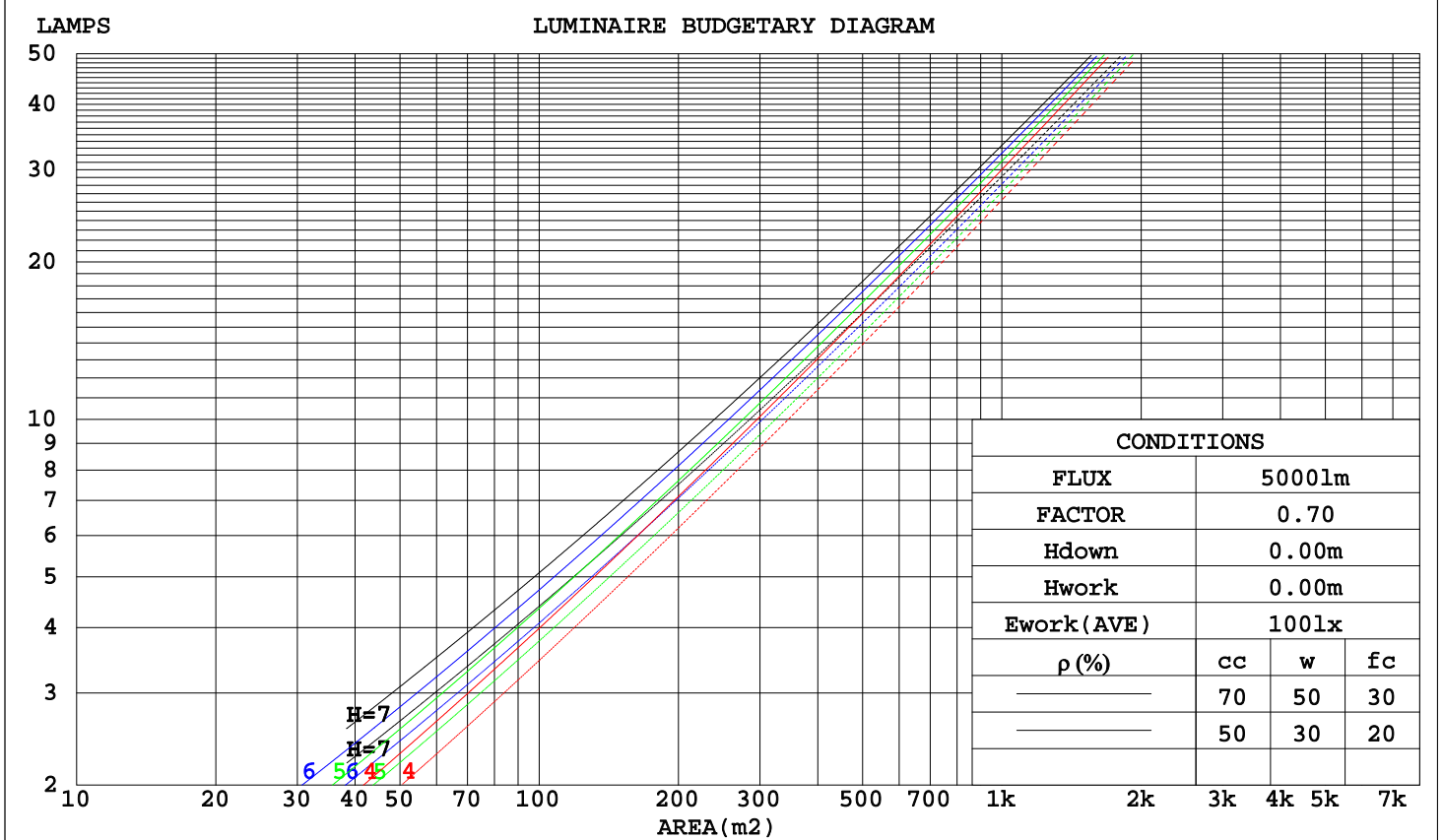
Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:1.000 m
 Remarks:

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						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	1.05	1.03	.00	1.01	.99	.97	.97	.95	.94	.94	.92	.91	.89
2.0	.98	.93	.88	.96	.91	.87	.93	.89	.85	.89	.86	.83	.86	.84	.81	.80
3.0	.89	.83	.78	.88	.82	.78	.85	.80	.76	.82	.78	.75	.80	.77	.74	.72
4.0	.82	.75	.70	.81	.75	.70	.79	.73	.69	.76	.72	.68	.74	.70	.67	.65
5.0	.76	.69	.64	.75	.68	.63	.73	.67	.63	.71	.66	.62	.69	.65	.62	.60
6.0	.71	.64	.58	.70	.63	.58	.68	.62	.58	.66	.61	.57	.65	.60	.57	.55
7.0	.66	.59	.54	.65	.59	.54	.64	.58	.53	.62	.57	.53	.61	.56	.53	.51
8.0	.62	.55	.50	.61	.55	.50	.60	.54	.50	.59	.53	.49	.58	.53	.49	.48
9.0	.58	.51	.47	.58	.51	.47	.56	.51	.47	.55	.50	.46	.55	.50	.46	.45
10.0	.55	.48	.44	.54	.48	.44	.53	.48	.44	.53	.47	.44	.52	.47	.43	.42



Test System:HOPPO HP880D
 Temperature:25.3DEG
 Operators:
 Test Date:07-22-2023

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	.232	.132	.042	.225	.128	.041	.212	.122	.039	.200	.115	.037	.189	.109	.035	
2.0	.219	.120	.037	.213	.117	.036	.201	.112	.035	.191	.107	.033	.181	.102	.032	
3.0	.204	.109	.033	.199	.107	.032	.189	.103	.031	.180	.099	.030	.172	.095	.029	
4.0	.191	.099	.029	.186	.097	.029	.178	.094	.028	.170	.091	.027	.162	.088	.027	
5.0	.179	.091	.026	.174	.090	.026	.167	.087	.026	.160	.084	.025	.153	.082	.025	
6.0	.168	.084	.024	.164	.083	.024	.157	.081	.023	.151	.078	.023	.145	.076	.023	
7.0	.158	.078	.022	.155	.077	.022	.149	.075	.022	.143	.073	.021	.138	.072	.021	
8.0	.149	.073	.020	.146	.072	.020	.141	.070	.020	.136	.069	.020	.131	.067	.020	
9.0	.141	.068	.019	.138	.067	.019	.133	.066	.019	.129	.065	.019	.125	.063	.018	
10.0	.134	.064	.018	.131	.063	.018	.127	.062	.018	.123	.061	.017	.119	.060	.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	.196	.196	.196	.167	.167	.167	.114	.114	.114	.066	.066	.066	.021	.021	.021	
1.0	.180	.162	.146	.154	.139	.125	.105	.096	.087	.061	.055	.050	.019	.018	.016	
2.0	.168	.138	.112	.144	.118	.097	.098	.082	.068	.057	.048	.040	.018	.015	.013	
3.0	.157	.119	.089	.135	.103	.077	.092	.071	.054	.053	.042	.032	.017	.014	.010	
4.0	.148	.105	.072	.127	.091	.063	.087	.063	.044	.050	.037	.026	.016	.012	.009	
5.0	.139	.094	.060	.120	.081	.052	.083	.057	.037	.048	.033	.022	.015	.011	.007	
6.0	.132	.085	.051	.113	.074	.045	.078	.051	.032	.045	.030	.019	.015	.010	.006	
7.0	.125	.078	.044	.108	.067	.039	.074	.047	.027	.043	.028	.016	.014	.009	.005	
8.0	.119	.072	.039	.103	.062	.034	.071	.044	.024	.041	.026	.014	.013	.008	.005	
9.0	.114	.066	.035	.098	.058	.030	.068	.040	.021	.039	.024	.013	.013	.008	.004	
10.0	.108	.062	.031	.094	.054	.027	.065	.038	.019	.038	.022	.012	.012	.007	.004	

Test System:HOPPO HP880D
 Temperature:25.3DEG
 Operators:
 Test Date:07-22-2023

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	4.9	6.0	5.1	6.2	6.4	4.9	6.0	5.1	6.2	6.4
	3H	6.2	7.3	6.5	7.5	7.8	5.8	6.9	6.1	7.1	7.4
	4H	6.9	7.9	7.2	8.2	8.4	6.3	7.3	6.6	7.6	7.8
	6H	7.6	8.5	7.9	8.8	9.0	6.7	7.6	7.0	7.9	8.2
	8H	7.7	8.7	8.1	8.9	9.2	6.8	7.7	7.1	8.0	8.3
	12H	8.0	8.9	8.4	9.2	9.5	6.9	7.8	7.3	8.1	8.4
4H	2H	5.3	6.3	5.6	6.6	6.8	5.3	6.3	5.6	6.5	6.8
	3H	6.9	7.8	7.3	8.1	8.4	6.5	7.4	6.9	7.7	8.0
	4H	7.7	8.5	8.1	8.9	9.2	7.1	7.9	7.5	8.3	8.6
	6H	8.5	9.2	8.9	9.6	9.9	7.6	8.3	8.0	8.7	9.1
	8H	8.8	9.4	9.2	9.8	10.2	7.8	8.5	8.2	8.9	9.3
	12H	9.1	9.7	9.6	10.1	10.5	8.0	8.6	8.4	9.0	9.4
8H	4H	8.0	8.6	8.4	9.0	9.4	7.4	8.1	7.9	8.5	8.9
	6H	8.9	9.4	9.3	9.8	10.3	8.1	8.6	8.5	9.1	9.5
	8H	9.3	9.7	9.7	10.2	10.6	8.4	8.9	8.9	9.3	9.8
	12H	9.8	10.2	10.3	10.6	11.1	8.7	9.1	9.2	9.6	10.0
12H	4H	8.0	8.6	8.4	9.0	9.4	7.5	8.1	7.9	8.5	8.9
	6H	8.9	9.4	9.4	9.8	10.3	8.2	8.7	8.6	9.1	9.6
	8H	9.4	9.8	9.8	10.2	10.7	8.5	9.0	9.0	9.4	9.9
Variations with the observer position at spacings:											
S = 1.0H		+ 0.2 / - 0.3					+ 0.3 / - 0.4				
1.5H		+ 0.2 / - 0.2					+ 0.1 / - 0.2				
2.0H		+ 0.3 / - 0.4					+ 0.6 / - 0.5				

CIE Pub.117 Corrected 104.7 lm Total Lamp Luminous Flux.(8log(F/F0) = -7.8)

Test System:HOPPO HP880D
 Temperature:25.3DEG
 Operators:
 Test Date:07-22-2023

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) $k(RI) \times RCR = 5$									
$k = 0.60$	73	65	59	73	64	59	72	64	59	54
0.80	82	74	68	81	73	68	80	72	68	62
1.00	88	80	75	87	80	75	85	80	74	69
1.25	94	86	81	93	86	81	90	84	80	74
1.50	98	91	86	96	90	85	94	88	84	78
2.00	102	96	91	101	95	91	97	93	89	83
2.50	105	99	95	103	98	94	100	95	92	85
3.00	107	102	98	105	101	97	101	98	95	87
4.00	110	106	103	108	104	101	104	101	98	90
5.00	112	108	106	110	106	104	105	103	101	92
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004					Suspended			SHRNOM = 1.25		

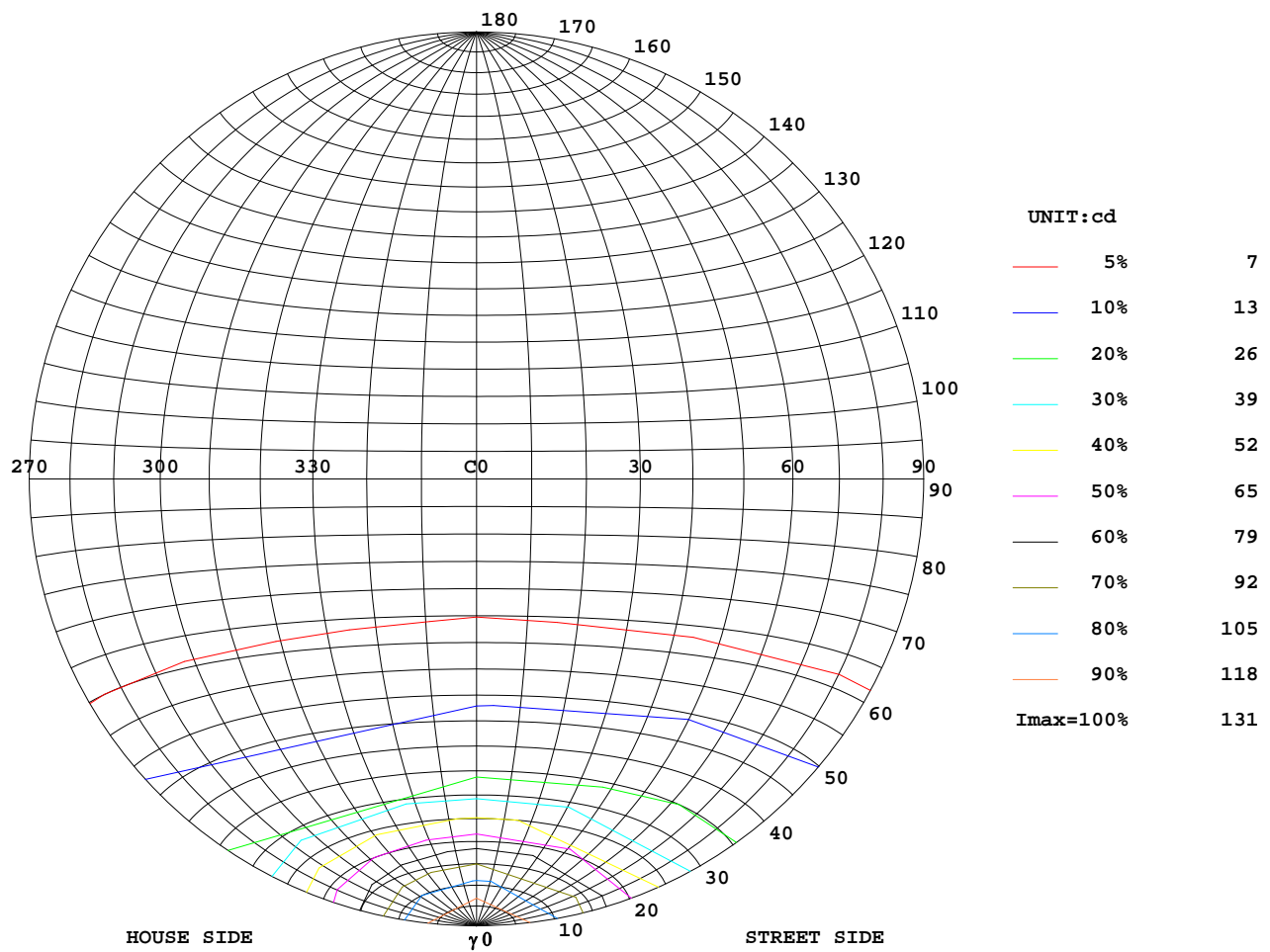
Test System:HOP00 HP880D
 Temperature:25.3DEG
 Operators:
 Test Date:07-22-2023

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:07-22-2023

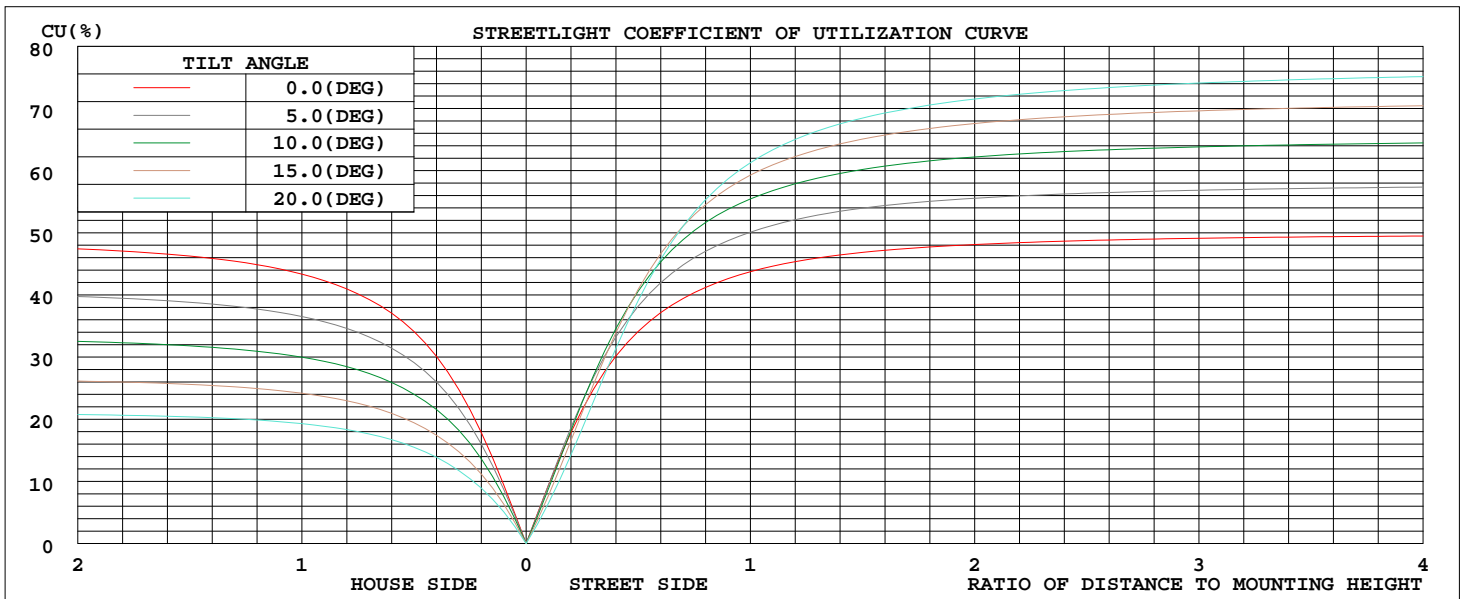
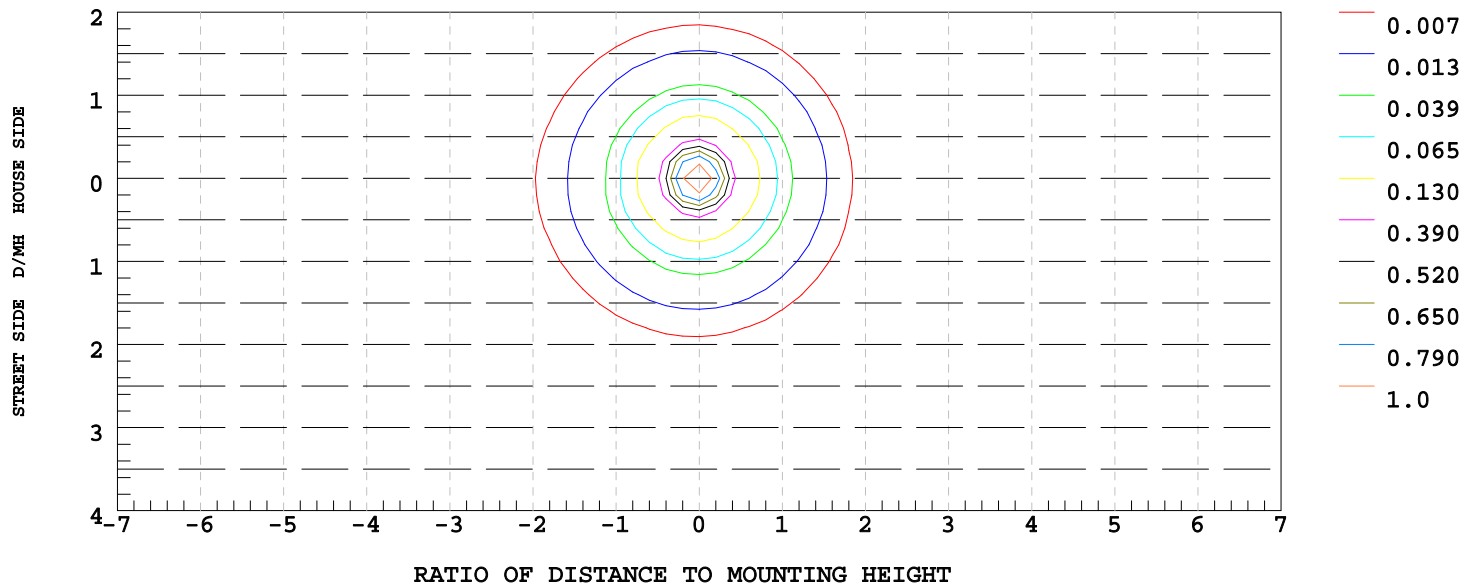
Test Set: 10.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:1.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

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

ILLUMINANCE AT MH=10 m,Enadir = 1.31 lx



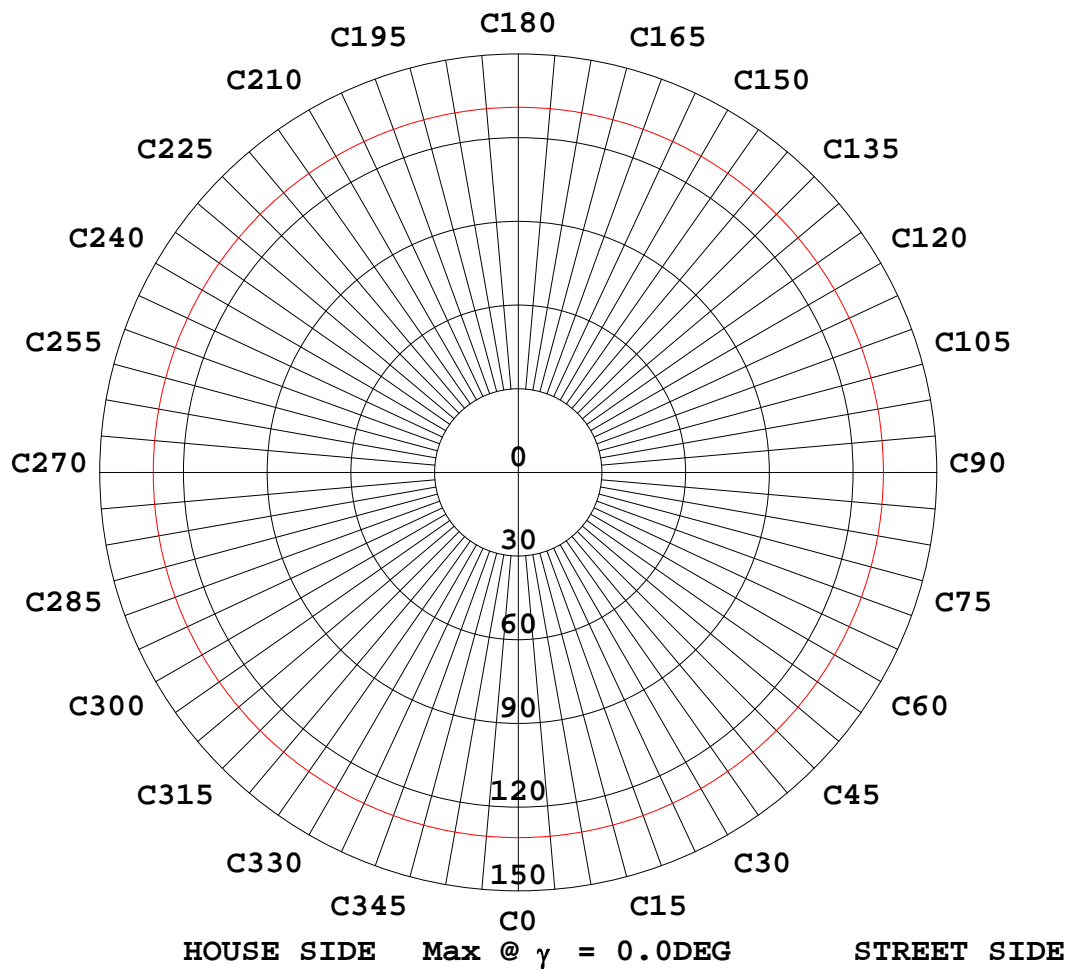
Test System:HOP00 HP880D
Temperature:25.3DEG
Operators:
Test Date:07-22-2023

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:07-22-2023

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	131	131	131	131
5.0	124	124	122	125
10.0	109	106	101	106
15.0	91.4	86.7	79.1	85.5
20.0	71.8	66.5	59.8	67.4
25.0	53.0	48.7	44.1	49.6
30.0	36.7	37.5	36.9	36.1
35.0	24.2	27.0	24.2	24.9
40.0	19.4	20.9	18.7	20.1
45.0	14.8	16.6	14.9	15.1
50.0	11.8	12.9	11.7	11.7
55.0	9.44	9.60	8.64	8.65
60.0	7.76	7.17	6.47	6.45
65.0	6.48	5.50	4.80	4.89
70.0	5.34	4.12	3.89	3.74
75.0	4.12	2.80	2.33	2.77
80.0	2.86	1.91	1.26	2.01
85.0	1.81	1.02	0.00	1.27
90.0	0.77	0.29	0.00	0.55
95.0	0.09	0.01	0.01	0.08
100.0	0.06	0.01	0.02	0.05
105.0	0.05	0.03	0.03	0.05
110.0	0.05	0.03	0.04	0.06
115.0	0.06	0.05	0.05	0.06
120.0	0.07	0.06	0.06	0.08
125.0	0.08	0.07	0.07	0.09
130.0	0.10	0.09	0.09	0.10
135.0	0.12	0.12	0.12	0.12
140.0	0.14	0.16	0.15	0.15
145.0	0.17	0.19	0.20	0.18
150.0	0.20	0.22	0.24	0.21
155.0	0.24	0.25	0.27	0.25
160.0	0.26	0.28	0.29	0.28
165.0	0.27	0.27	0.29	0.29
170.0	0.26	0.25	0.27	0.28
175.0	0.24	0.24	0.26	0.26
180.0	0.23	0.23	0.23	0.23

Test System:HOP00 HP880D
Temperature:25.3DEG
Operators:
Test Date:07-22-2023

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