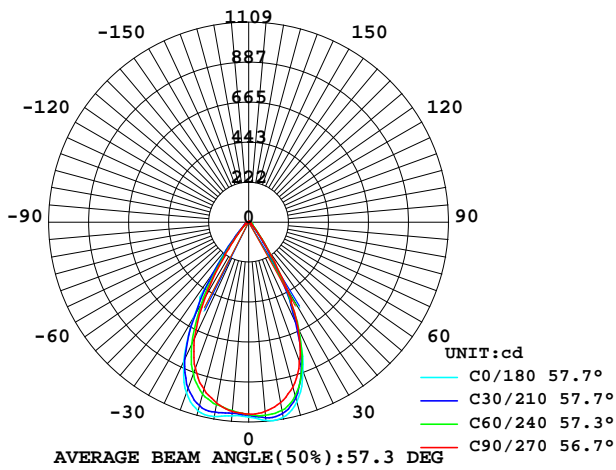


STREETLIGHT PHOTOMETRIC TEST REPORT

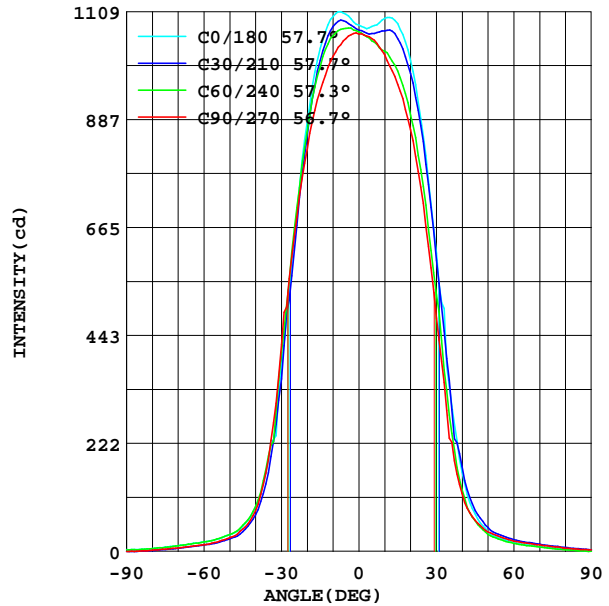
Report number:

MANUFACTURER:			
Address:			
NAME: 86221WT		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

MODEL:		I _{max} (cd):	1109	Effective Flux(lm):	859.0
NOMINAL POWER(W):	10	MAXIMUM(C, γ):	0, 7.0	EEI	0.161
RATED VOLTAGE(V):	120	EFFICIENCY(%):	100.0	Voltage(V)	120.3
NOMINAL FLUX(lm):	964.0	η street_up(%):	0.5	Current(A)	0.091
TEST FLUX(lm):	964.0	η street_down(%):	48.1	Power(W)	10.93
LAMPS QUANTITY:	1	η house_up(%):	0.6	Power Factor	0.989
TOTAL RADIANT(mw):	964.0	η house_down(%):	50.8	EFFICIENCY(lm/W)	88.2



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月05日

Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

Color Temperature Data List

Report number:

MANUFACTURER:			
Address:			
NAME: 86221WT		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

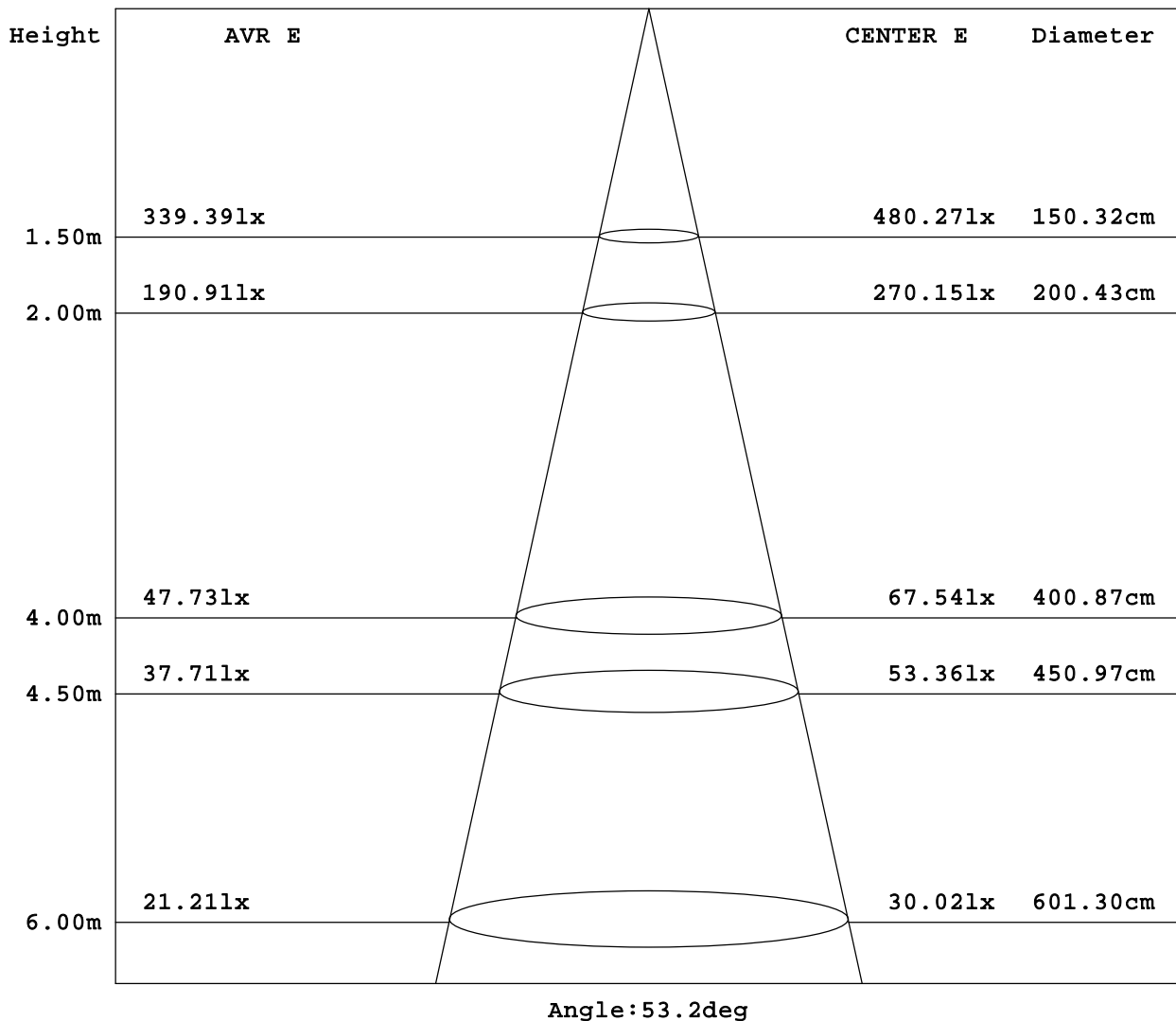
Test System:HOPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2024年10月05日

Test Set: 10.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:			
Address:			
NAME: 86221WT		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月05日

Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 86221WT		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	1103	1082	1053	1053	1078	1055	1053	1069	0- 5	25.48	25.48
10.0	1099	1071	1017	1043	1094	1049	1020	1052	5- 10	75.86	101.3
15.0	1033	1006	946.3	1010	1084	1023	959.2	989.1	10- 15	122.3	223.7
20.0	879.8	861.2	824.5	923.6	1008	941.9	865.5	858.1	15- 20	156.9	380.7
25.0	646.2	639.9	647.2	760.2	852.2	794.7	714.5	660.8	20- 25	169.1	549.8
30.0	382.0	379.7	424.6	531.7	612.2	563.7	479.0	400.1	25- 30	149.9	699.7
35.0	185.8	177.6	188.1	271.1	339.7	317.5	232.1	198.7	30- 35	102.4	802.2
40.0	90.80	83.75	83.60	129.3	162.8	151.2	118.9	91.69	35- 40	56.03	858.2
45.0	51.50	46.90	45.59	64.84	76.50	73.50	63.40	50.25	40- 45	30.20	888.4
50.0	33.89	30.15	27.90	36.65	39.79	41.34	39.89	31.54	45- 50	18.24	906.7
55.0	24.79	21.25	18.90	25.90	26.10	28.65	29.30	22.64	50- 55	12.75	919.4
60.0	19.40	15.70	13.79	18.70	18.09	20.15	20.90	16.65	55- 60	9.670	929.1
65.0	15.20	12.30	10.10	14.34	13.20	15.15	16.69	12.90	60- 65	7.585	936.7
70.0	11.70	9.150	7.200	10.65	9.800	11.45	13.20	9.400	65- 70	6.049	942.7
75.0	8.800	5.900	4.400	7.450	7.200	8.349	9.700	6.550	70- 75	4.534	947.3
80.0	5.600	3.700	2.200	5.000	4.300	5.300	6.200	4.100	75- 80	3.113	950.4
85.0	3.900	1.950	0.300	2.900	2.000	3.350	4.500	1.950	80- 85	1.893	952.3
90.0	3.400	1.750	0	1.650	0.300	1.700	2.800	1.550	85- 90	1.087	953.4
95.0	2.900	1.450	0.100	1.600	0.600	1.500	3.000	1.550	90- 95	0.840	954.2
100.0	2.900	1.450	0	1.300	0.500	1.350	2.300	1.300	95-100	0.772	955.0
105.0	2.500	1.400	0	1.200	0.300	1.300	2.500	1.350	100-105	0.707	955.7
110.0	2.600	1.400	0	0.950	0.800	1.300	2.300	1.000	105-110	0.649	956.3
115.0	2.200	1.150	0.200	1.200	0.200	1.000	2.300	1.300	110-115	0.595	956.9
120.0	2.300	1.350	0	0.900	0.800	1.000	1.600	1.000	115-120	0.559	957.5
125.0	2.200	1.350	0	1.350	0.800	1.050	2.000	1.350	120-125	0.531	958.0
130.0	2.600	1.400	0.200	1.450	1.100	1.250	2.200	1.350	125-130	0.544	958.6
135.0	2.700	1.700	0.600	1.250	1.300	1.350	2.500	1.550	130-135	0.597	959.2
140.0	3.200	1.800	1.100	1.700	2.200	1.850	2.500	1.850	135-140	0.643	959.8
145.0	3.200	2.300	1.800	2.050	2.000	2.100	2.600	2.300	140-145	0.702	960.5
150.0	3.700	2.750	1.900	2.450	2.700	2.800	3.000	2.750	145-150	0.725	961.2
155.0	4.000	3.150	2.100	2.850	3.000	2.800	3.600	3.050	150-155	0.708	961.9
160.0	4.400	3.050	2.800	2.950	3.300	3.200	3.700	3.350	155-160	0.649	962.6
165.0	4.500	3.450	2.700	3.050	3.700	3.600	4.200	3.600	160-165	0.558	963.1
170.0	4.600	3.950	3.500	3.550	4.300	3.850	4.600	3.900	165-170	0.440	963.6
175.0	4.900	4.050	3.500	4.150	4.700	4.000	4.400	4.150	170-175	0.287	963.9
180.0	4.700	4.050	4.500	4.200	4.800	4.400	5.000	4.200	175-180	0.100	964.0
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月05日

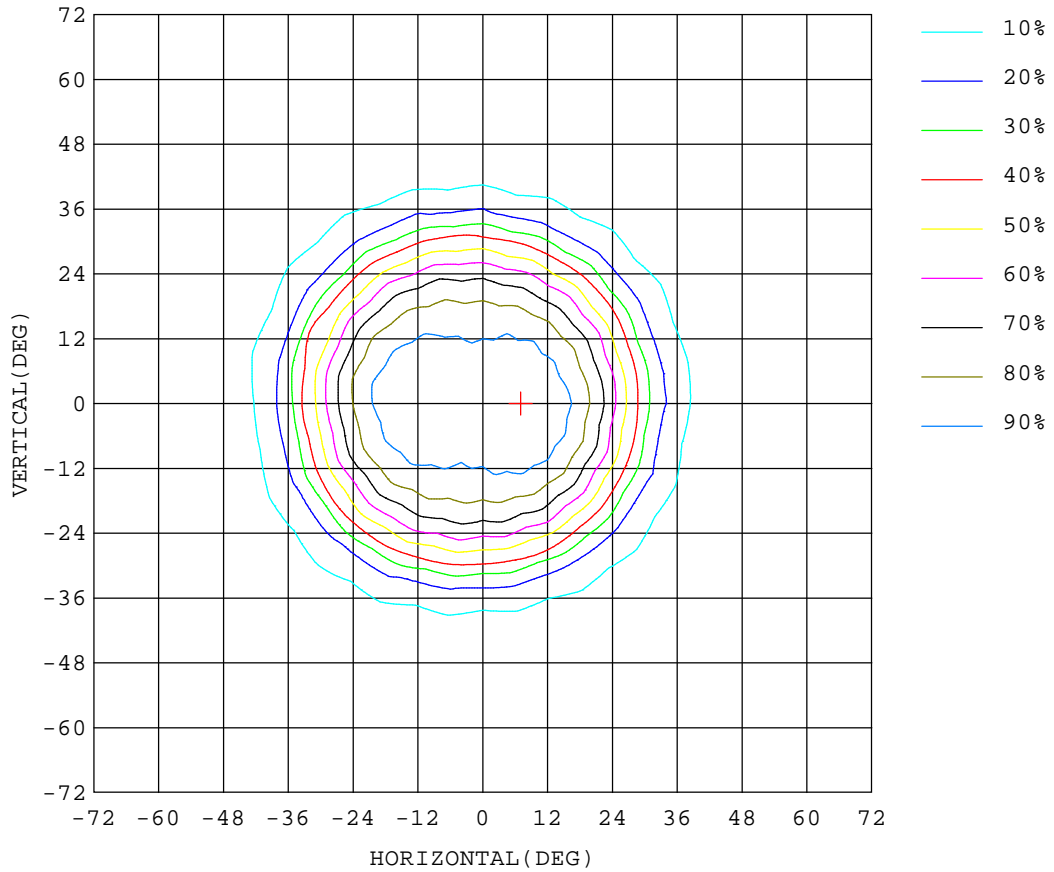
Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 86221WT		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

UNIT: cd



Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月05日

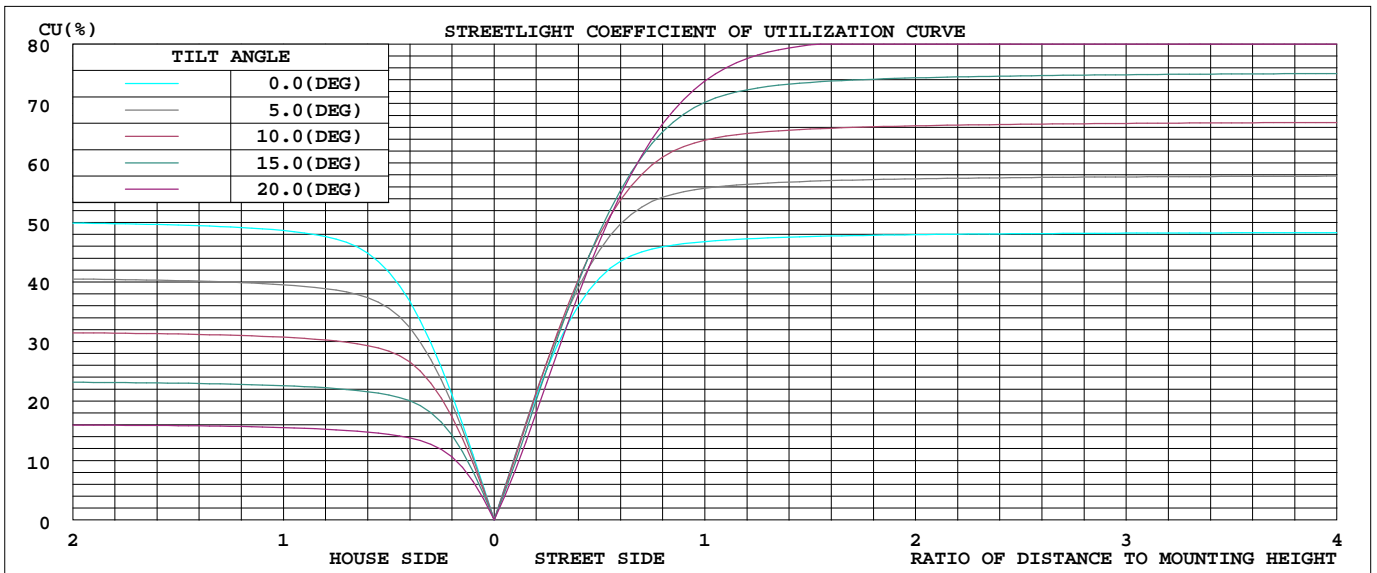
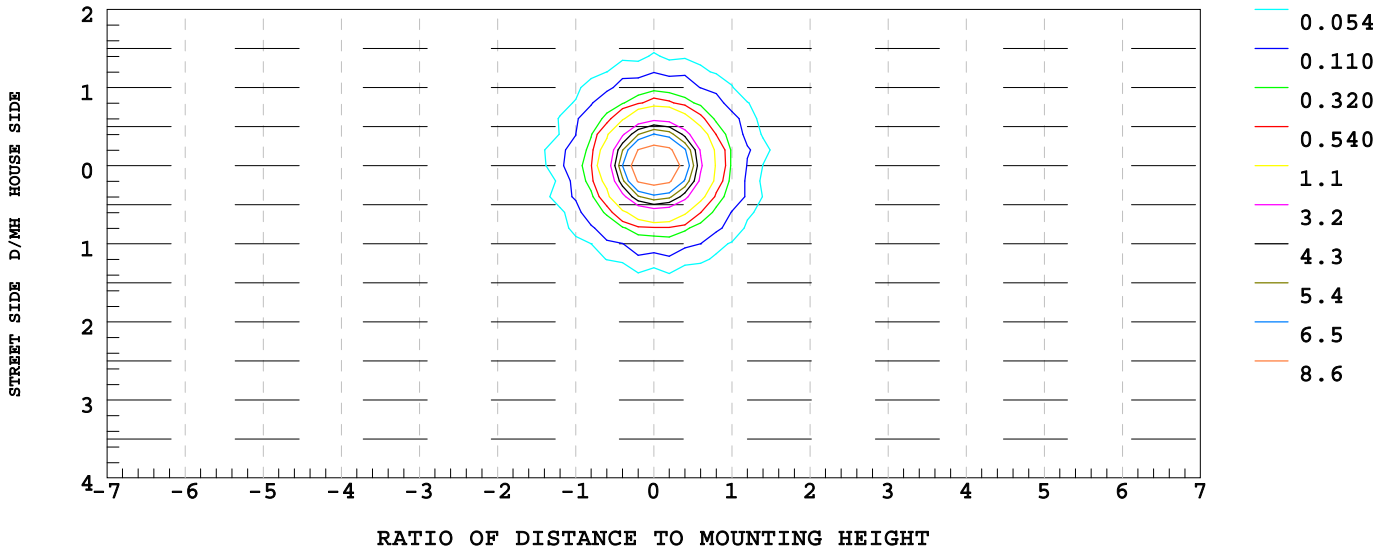
Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 86221WT		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 10.81 lx



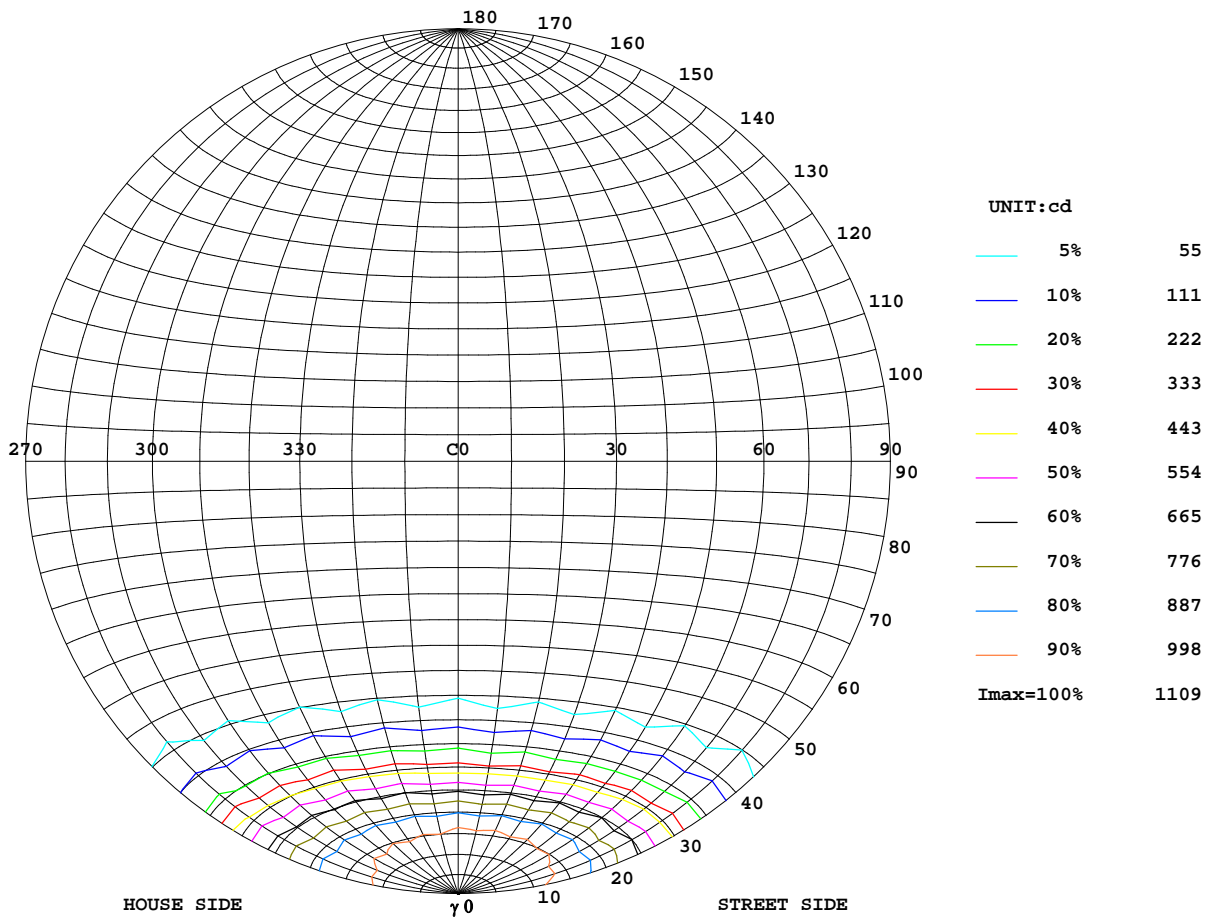
Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月05日

Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 86221WT		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



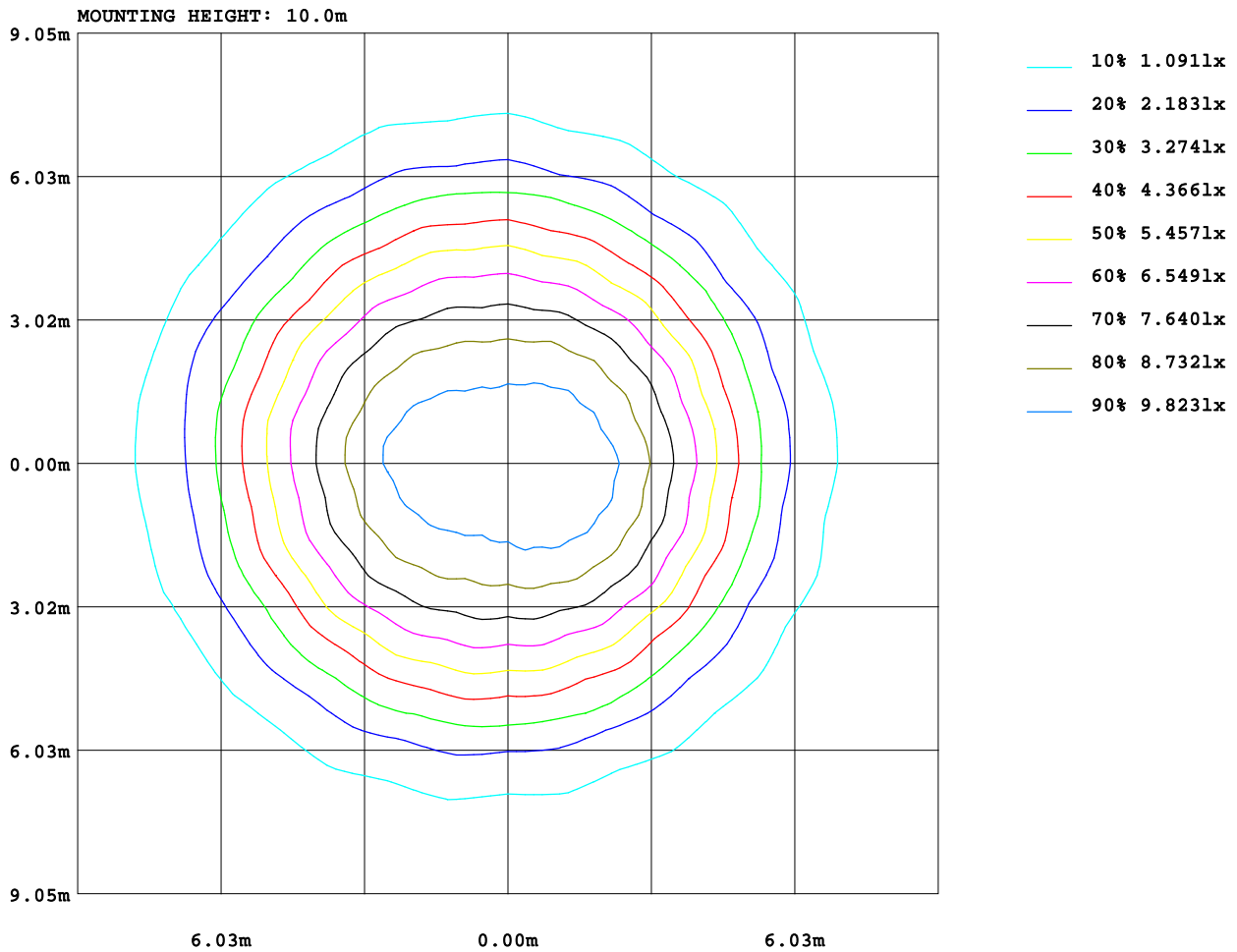
Test System:HOPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2024年10月05日

Test Set: 10.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 86221WT		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



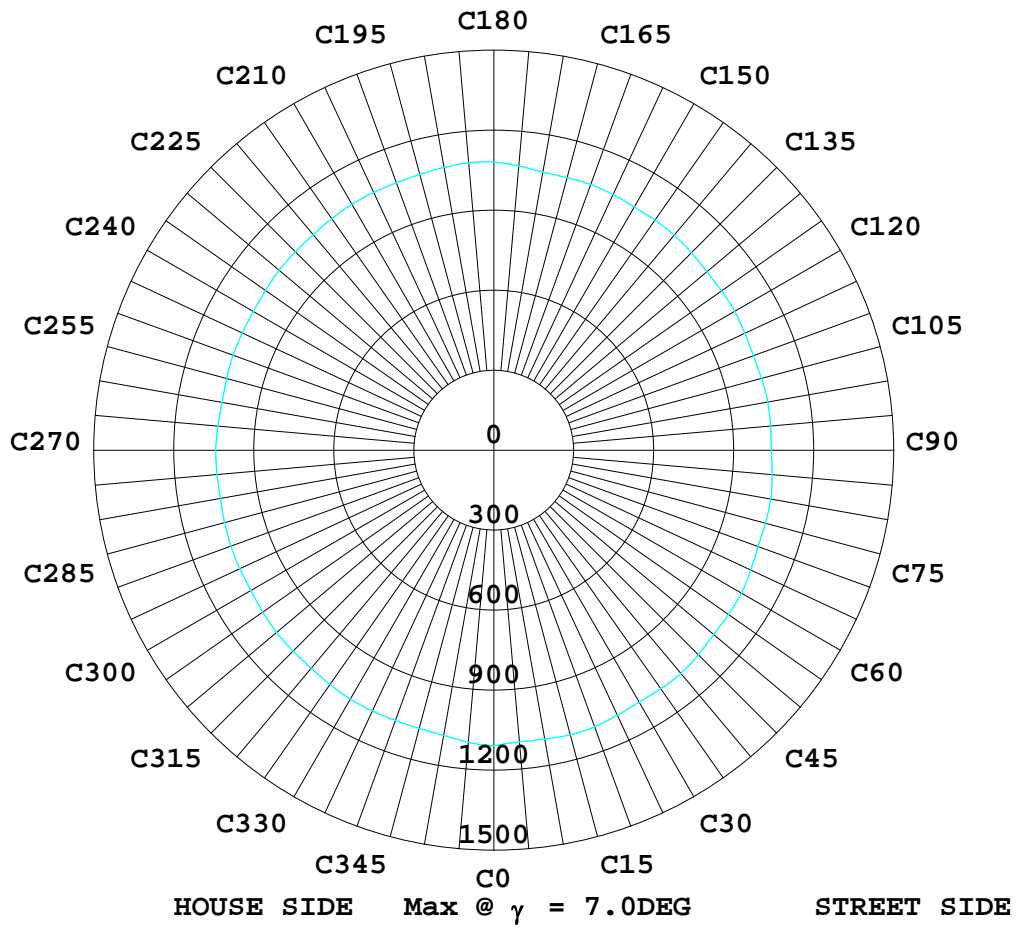
Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月05日

Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 86221WT		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2024年10月05日

Test Set: 10.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:			
Address:			
NAME: 86221WT		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a	
	0.03	0.07	0.09	0.12	0.17	0.16	0.24	0.21	0.24	0.24	0.20	0.21	0.14	0.15	0.09	0.06	0.05	0.01	2.47	0.00	
72	0.04	0.09	0.13	0.16	0.25	0.25	0.34	0.34	0.37	0.36	0.31	0.31	0.22	0.22	0.13	0.10	0.07	0.02	3.67	0.00	
64	0.05	0.10	0.18	0.21	0.34	0.40	0.52	0.59	0.62	0.60	0.54	0.45	0.34	0.28	0.17	0.14	0.08	0.03	5.64	0.00	
56	0.07	0.11	0.22	0.31	0.46	0.72	0.94	1.25	1.32	1.24	1.05	0.74	0.57	0.36	0.24	0.18	0.08	0.04	9.93	0.00	
48	0.08	0.13	0.25	0.46	0.72	1.46	2.40	3.70	4.25	3.88	2.86	1.65	0.99	0.50	0.35	0.19	0.10	0.06	24.0	16.4	
40	0.10	0.16	0.28	0.62	1.42	3.23	6.65	9.70	11.0	10.4	7.98	4.59	1.92	0.87	0.43	0.20	0.13	0.08	59.8	55.0	
32	0.11	0.21	0.37	0.83	2.51	6.76	12.0	15.5	16.5	16.1	13.9	9.27	4.01	1.37	0.49	0.27	0.16	0.09	101	96.8	
24	0.10	0.22	0.46	1.22	4.01	10.2	16.0	18.8	19.3	19.3	17.8	13.2	6.39	2.00	0.70	0.34	0.18	0.09	131	127	
16	0.09	0.20	0.45	1.38	4.95	12.1	18.0	20.4	20.5	20.6	19.7	15.4	8.08	2.57	0.82	0.36	0.19	0.10	146	143	
8	0.08	0.18	0.40	1.25	4.63	11.6	17.7	20.2	20.4	20.9	20.0	15.3	7.85	2.39	0.75	0.33	0.18	0.09	145	141	
0	0.08	0.16	0.36	1.04	3.64	9.70	15.6	18.6	19.2	19.5	18.0	13.0	6.20	1.96	0.61	0.27	0.14	0.07	128	125	
-8	0.07	0.15	0.35	0.85	2.27	6.16	11.4	14.9	16.1	15.8	13.6	8.84	3.65	1.28	0.56	0.27	0.12	0.06	96.6	92.7	
-16	0.07	0.16	0.32	0.54	1.20	2.91	5.81	8.71	10.1	9.62	7.30	3.99	1.87	0.77	0.39	0.25	0.13	0.05	54.2	49.3	
-24	0.07	0.16	0.24	0.37	0.72	1.18	2.13	2.95	3.54	3.29	2.40	1.59	0.85	0.54	0.29	0.19	0.13	0.05	20.6	11.9	
-32	0.07	0.13	0.17	0.30	0.44	0.58	0.87	1.01	1.16	1.11	0.90	0.73	0.48	0.37	0.25	0.14	0.11	0.05	8.86	0.00	
-40	0.06	0.10	0.13	0.24	0.27	0.39	0.46	0.52	0.55	0.54	0.49	0.41	0.34	0.23	0.21	0.11	0.07	0.04	5.16	0.00	
-48	0.05	0.07	0.11	0.18	0.18	0.28	0.27	0.33	0.32	0.32	0.32	0.25	0.25	0.16	0.15	0.09	0.05	0.04	3.42	0.00	
-56	0.04	0.04	0.09	0.12	0.12	0.20	0.17	0.22	0.21	0.20	0.21	0.15	0.17	0.10	0.10	0.07	0.03	0.03	2.27	0.00	
-64	0.04	0.04	0.09	0.12	0.12	0.20	0.17	0.22	0.21	0.20	0.21	0.15	0.17	0.10	0.10	0.07	0.03	0.03	2.27	0.00	
-72	0.04	0.04	0.09	0.12	0.12	0.20	0.17	0.22	0.21	0.20	0.21	0.15	0.17	0.10	0.10	0.07	0.03	0.03	2.27	0.00	
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)				16	24	32	40	48	56	64	72	
Φ t	1.24	2.44	4.59	10.1	28.3	68.3	112	138	146	144	128	90.4	44.3	16.1	6.71	3.56	1.98	1.00	964		
Φ a	0.00	0.00	0.00	1.66	21.8	62.7	107	133	141	139	123	84.8	38.2	7.63	0.00	0.00	0.00	0.00		859	

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月05日

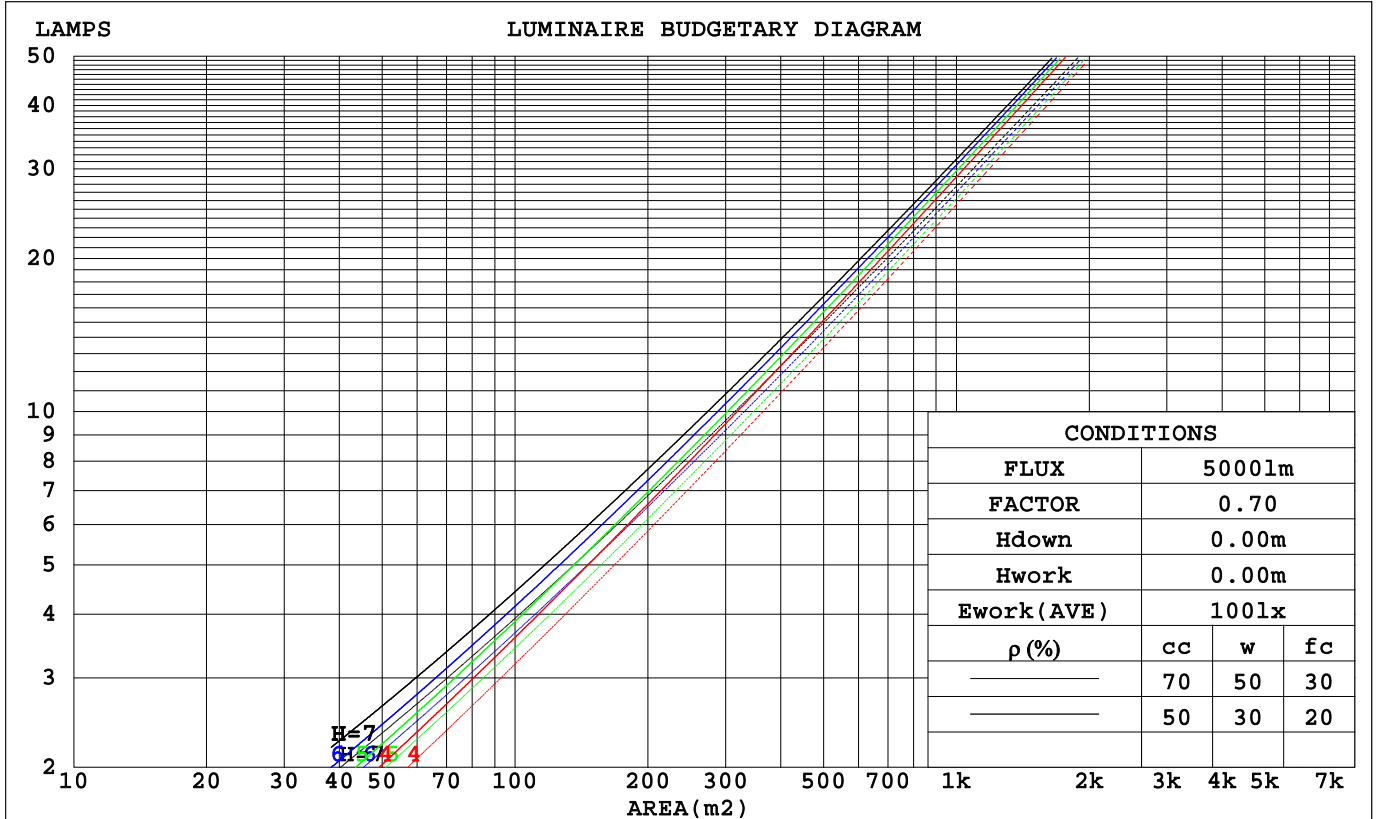
Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:															
Address:															
NAME: 86221WT										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	1.10	1.07	1.05	1.08	1.05	1.03	1.03	1.02	.90	.90	.98	.97	.96	.95	.94	.92
2.0	1.02	.98	.94	1.00	.96	.93	.97	.94	.91	.94	.91	.89	.91	.89	.87	.85
3.0	.95	.90	.86	.94	.89	.85	.91	.87	.84	.88	.85	.82	.86	.83	.81	.79
4.0	.89	.83	.79	.87	.82	.78	.85	.81	.77	.83	.79	.76	.81	.78	.75	.74
5.0	.83	.77	.73	.82	.77	.72	.80	.75	.72	.78	.74	.71	.77	.73	.70	.69
6.0	.78	.72	.68	.77	.71	.67	.76	.71	.67	.74	.70	.66	.73	.69	.66	.64
7.0	.73	.67	.63	.73	.67	.63	.71	.66	.62	.70	.65	.62	.69	.65	.62	.60
8.0	.69	.63	.59	.69	.63	.59	.67	.62	.59	.66	.62	.58	.65	.61	.58	.57
9.0	.65	.60	.56	.65	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.55	.53
10.0	.62	.56	.52	.62	.56	.52	.61	.56	.52	.60	.55	.52	.59	.55	.52	.50



Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月05日

Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

WEC AND CCEC

Report number:

MANUFACTURER:											
Address:											
NAME: 86221WT						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	.187	.106	.034	.180	.103	.033	.167	.096	.031	.155	.089	.029	.143	.083	.027	
2.0	.178	.097	.030	.172	.095	.029	.160	.089	.028	.150	.084	.026	.140	.079	.025	
3.0	.168	.089	.027	.163	.087	.026	.153	.083	.025	.144	.079	.024	.136	.075	.023	
4.0	.159	.083	.024	.155	.081	.024	.146	.078	.023	.138	.074	.022	.131	.071	.022	
5.0	.151	.077	.022	.147	.075	.022	.140	.073	.021	.133	.070	.021	.126	.068	.020	
6.0	.143	.072	.021	.140	.071	.020	.133	.068	.020	.127	.066	.019	.122	.064	.019	
7.0	.137	.068	.019	.134	.067	.019	.128	.065	.019	.122	.063	.018	.117	.061	.018	
8.0	.130	.064	.018	.128	.063	.018	.122	.061	.017	.118	.060	.017	.113	.058	.017	
9.0	.125	.060	.017	.122	.060	.017	.118	.058	.016	.113	.057	.016	.109	.055	.016	
10.0	.119	.057	.016	.117	.057	.016	.113	.055	.016	.109	.054	.015	.105	.053	.015	

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	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.180	.166	.153	.154	.142	.131	.106	.098	.091	.061	.057	.053	.019	.018	.017	
2.0	.166	.141	.120	.142	.121	.104	.097	.084	.073	.056	.049	.043	.018	.016	.014	
3.0	.153	.122	.097	.131	.105	.084	.090	.073	.059	.052	.043	.035	.017	.014	.011	
4.0	.143	.108	.080	.123	.093	.070	.085	.065	.049	.049	.038	.029	.016	.012	.010	
5.0	.135	.096	.068	.116	.083	.059	.080	.058	.042	.046	.034	.025	.015	.011	.008	
6.0	.127	.087	.058	.109	.075	.050	.075	.053	.036	.044	.031	.021	.014	.010	.007	
7.0	.121	.079	.050	.104	.069	.044	.072	.048	.031	.042	.028	.019	.013	.009	.006	
8.0	.115	.073	.044	.099	.063	.039	.068	.045	.027	.040	.026	.016	.013	.009	.005	
9.0	.110	.068	.040	.094	.059	.035	.065	.041	.025	.038	.024	.015	.012	.008	.005	
10.0	.105	.064	.036	.091	.055	.031	.063	.039	.022	.037	.023	.013	.012	.008	.004	

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月05日

Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

UGR Table

Report number:

MANUFACTURER:										
Address:										
NAME: 86221WT					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	5.5	6.4	5.7	6.6	6.8	5.9	6.8	6.1	7.0	7.2
3H	5.8	6.7	6.1	6.9	7.2	6.2	7.1	6.5	7.3	7.5
4H	6.0	6.8	6.3	7.1	7.3	6.4	7.2	6.7	7.5	7.7
6H	6.1	6.9	6.4	7.1	7.4	6.5	7.3	6.9	7.6	7.9
8H	6.2	6.9	6.5	7.2	7.5	6.6	7.3	6.9	7.6	7.9
12H	6.3	7.0	6.6	7.3	7.6	6.6	7.3	6.9	7.6	7.9
4H 2H	5.5	6.4	5.8	6.6	6.8	5.9	6.7	6.2	6.9	7.2
3H	6.0	6.8	6.4	7.0	7.3	6.4	7.1	6.7	7.4	7.7
4H	6.3	6.9	6.6	7.3	7.6	6.6	7.3	7.0	7.6	7.9
6H	6.5	7.1	6.9	7.4	7.8	6.8	7.4	7.2	7.8	8.2
8H	6.6	7.1	7.0	7.5	7.9	7.0	7.5	7.4	7.9	8.3
12H	6.7	7.2	7.1	7.6	8.0	7.1	7.6	7.5	8.0	8.4
8H 4H	6.3	6.9	6.7	7.2	7.6	6.6	7.2	7.1	7.6	7.9
6H	6.6	7.1	7.1	7.5	7.9	7.0	7.4	7.4	7.8	8.3
8H	6.8	7.2	7.2	7.6	8.1	7.1	7.5	7.6	8.0	8.4
12H	7.0	7.3	7.4	7.8	8.2	7.3	7.6	7.8	8.1	8.6
12H 4H	6.3	6.8	6.7	7.2	7.6	6.6	7.1	7.1	7.5	7.9
6H	6.6	7.0	7.1	7.5	7.9	7.0	7.4	7.4	7.8	8.3
8H	6.8	7.2	7.3	7.6	8.1	7.2	7.5	7.7	8.0	8.5
Variations with the observer position at spacings:										
S = 1.0H	+ 1.8 / - 1.5					+ 1.5 / - 1.7				
1.5H	+ 3.2 / - 1.9					+ 2.6 / - 1.7				
2.0H	+ 2.3 / - 1.6					+ 1.4 / - 1.4				

CIE Pub.117 Corrected 964.0 lm Total Lamp Luminous Flux. (8log(F/F0) = -0.1)

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月05日

Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:			
Address:			
NAME: 86221WT		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	85	78	74	84	78	74	83	77	74	70
0.80	92	86	82	92	86	82	90	85	81	77
1.00	97	91	87	96	91	87	94	90	86	82
1.25	101	96	92	100	95	91	98	94	91	86
1.50	104	99	95	103	98	95	100	97	94	89
2.00	107	103	99	106	101	98	103	99	97	91
2.50	109	105	102	107	103	101	104	101	99	92
3.00	111	107	104	109	105	103	105	103	100	94
4.00	113	110	107	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	106	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月05日

Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: 86221WT		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG)	C (DEG)														
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140
0.0	1081	1074	1072	1070	1069	1068	1067	1065	1064	1063	1064	1063	1060	1061	1060
5.0	1103	1095	1095	1088	1087	1077	1074	1064	1062	1053	1055	1048	1054	1051	1055
10.0	1099	1089	1096	1078	1081	1062	1059	1036	1038	1017	1021	1012	1029	1034	1052
15.0	1033	1015	1029	1008	1017	995	996	970	969	946	958	953	985	994	1026
20.0	880	852	880	852	877	845	861	828	848	825	855	849	893	900	948
25.0	646	613	647	618	653	627	662	630	665	647	690	681	734	733	787
30.0	382	348	384	354	392	367	409	411	423	425	457	484	506	504	559
35.0	186	161	184	162	188	167	196	173	205	188	220	217	230	256	286
40.0	90.8	75.5	90.0	75.1	91.0	76.5	92.5	78.0	96.0	83.6	106	95.9	123	114	145
45.0	51.5	39.5	51.0	40.4	52.2	41.6	53.3	42.5	55.0	45.5	58.7	49.9	65.1	56.5	73.1
50.0	33.8	25.7	33.7	25.4	34.0	26.3	34.4	26.6	35.4	27.9	36.7	29.6	38.8	31.5	41.8
55.0	24.7	17.7	24.5	17.6	24.6	17.8	25.0	18.4	26.0	18.9	26.6	20.5	28.9	21.6	30.1
60.0	19.4	13.0	18.7	12.9	18.6	12.8	19.6	13.0	19.5	13.7	19.7	14.5	21.1	15.0	22.3
65.0	15.2	9.60	14.9	9.70	14.8	9.80	14.5	9.70	15.2	10.1	15.6	10.9	16.3	11.4	17.2
70.0	11.7	6.30	11.5	6.30	11.5	6.70	11.7	7.20	11.4	7.20	12.1	7.80	12.8	7.90	13.4
75.0	8.80	3.50	7.90	3.60	8.00	3.80	8.50	3.80	8.60	4.40	9.20	4.80	9.20	4.70	10.2
80.0	5.60	1.80	5.70	1.60	5.60	1.80	5.50	2.00	5.90	2.20	6.20	2.60	6.40	3.20	6.80
85.0	3.90	0.60	3.40	0.10	3.80	0.10	3.60	0.30	3.90	0.30	4.30	0.70	4.20	0.80	5.00
90.0	3.40	0.00	3.10	0.00	3.50	0.00	2.80	0.00	3.10	0.00	3.10	0.00	2.90	0.00	3.30
95.0	2.90	0.00	2.70	0.50	2.90	0.00	3.00	0.00	2.80	0.10	2.90	0.00	2.80	0.00	3.20
100.0	2.90	0.00	2.80	0.00	2.80	0.10	2.30	0.00	2.40	0.00	2.40	0.00	2.80	0.00	2.60
105.0	2.50	0.10	2.00	0.00	2.60	0.20	2.60	0.00	2.80	0.00	2.60	0.00	2.50	0.00	2.40
110.0	2.60	0.10	2.50	0.00	2.40	0.40	2.10	0.10	2.20	0.00	1.90	0.40	2.30	0.00	1.90
115.0	2.20	0.30	2.10	0.00	2.20	0.10	2.20	0.00	2.20	0.20	1.90	0.00	2.40	0.10	2.30
120.0	2.30	0.20	2.20	0.10	2.10	0.60	2.10	0.00	2.00	0.00	2.00	0.50	1.80	0.00	1.80
125.0	2.20	0.60	2.10	0.50	2.20	0.50	1.90	0.00	1.80	0.00	1.90	0.30	2.10	0.40	2.30
130.0	2.60	0.70	2.20	0.40	2.30	0.50	1.90	0.50	2.00	0.20	2.20	0.50	2.30	0.80	2.10
135.0	2.70	1.20	2.40	0.80	2.20	1.20	2.50	1.00	2.10	0.60	1.90	0.60	2.20	0.30	2.20
140.0	3.20	1.70	3.10	1.60	2.70	0.90	2.60	1.50	2.30	1.10	2.80	0.60	2.40	0.90	2.50
145.0	3.20	1.50	3.50	1.40	2.90	1.70	2.80	1.80	3.00	1.80	2.90	1.60	2.90	1.20	2.90
150.0	3.70	2.60	3.30	1.90	3.20	2.30	3.00	2.20	3.30	1.90	2.70	1.70	3.20	1.90	3.00
155.0	4.00	2.50	3.80	2.10	3.60	2.70	3.40	2.40	3.30	2.10	3.60	2.50	3.20	2.50	3.20
160.0	4.40	3.10	4.20	2.30	3.60	2.50	3.80	3.00	3.70	2.80	3.60	2.60	3.80	2.50	3.40
165.0	4.50	3.00	4.40	3.40	4.00	2.90	3.90	3.10	4.10	2.70	4.20	2.60	3.70	2.70	3.40
170.0	4.60	3.50	4.20	3.40	4.50	3.40	4.20	3.20	4.20	3.50	4.00	3.30	3.90	3.00	4.10
175.0	4.90	3.90	4.60	3.70	4.50	3.60	4.40	3.60	4.40	3.50	4.50	3.70	4.40	3.80	4.50
180.0	4.70	4.00	4.40	3.90	4.40	3.70	4.50	3.70	4.30	4.50	4.70	4.00	4.50	4.20	4.20

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月05日

Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: 86221WT		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG)	C (DEG)														
	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290
0.0	1060	1058	1059	1081	1074	1072	1070	1069	1068	1067	1065	1064	1063	1064	1063
5.0	1053	1056	1056	1078	1074	1068	1063	1055	1055	1049	1052	1047	1053	1052	1060
10.0	1056	1072	1073	1094	1091	1077	1069	1052	1045	1028	1026	1012	1020	1017	1034
15.0	1033	1056	1059	1084	1087	1062	1053	1029	1017	987	977	955	959	952	977
20.0	949	987	978	1008	1015	981	982	945	939	896	894	856	866	841	865
25.0	785	834	819	852	872	834	841	794	795	749	753	705	715	672	691
30.0	548	598	579	612	625	596	598	564	564	527	523	498	479	490	446
35.0	291	338	314	340	369	387	351	309	326	280	282	247	232	214	223
40.0	134	165	148	163	185	158	174	145	158	127	137	109	119	94.0	106
45.0	63.8	81.0	69.5	76.5	88.2	74.5	83.7	69.4	77.6	62.9	69.8	55.8	63.4	50.7	58.2
50.0	34.0	44.7	36.7	39.7	50.5	39.2	48.8	37.0	45.6	34.4	42.7	32.3	39.8	30.1	37.5
55.0	23.0	31.9	24.0	26.1	34.2	25.6	33.2	24.7	32.5	23.8	30.5	22.5	29.3	20.8	27.9
60.0	15.8	23.1	16.4	18.0	24.2	17.5	23.9	17.2	23.0	15.8	21.9	15.5	20.9	14.9	20.5
65.0	12.0	17.8	12.0	13.2	18.7	12.7	18.4	12.2	18.0	11.5	17.1	11.4	16.6	10.9	15.9
70.0	8.40	14.3	9.20	9.80	15.0	9.30	14.8	8.90	14.0	8.90	13.6	8.20	13.2	7.80	12.9
75.0	5.70	11.0	6.20	7.20	11.5	6.40	11.0	6.10	10.5	5.90	10.2	5.50	9.70	5.20	9.50
80.0	3.10	7.50	3.80	4.30	8.10	3.70	8.00	3.20	7.40	3.10	7.40	2.70	6.20	2.90	6.30
85.0	0.70	5.00	1.20	2.00	6.00	1.30	5.50	1.90	4.80	1.20	4.90	0.70	4.50	0.80	4.30
90.0	0.00	3.70	0.00	0.30	3.70	0.20	3.10	0.40	3.00	0.30	3.30	0.00	2.80	0.30	3.20
95.0	0.00	3.10	0.20	0.60	2.80	0.00	3.10	0.00	3.00	0.30	3.30	0.20	3.00	0.10	2.90
100.0	0.00	2.70	0.00	0.50	2.80	0.00	3.20	0.00	2.70	0.00	2.90	0.00	2.30	0.40	2.50
105.0	0.00	2.30	0.00	0.30	2.80	0.00	2.40	0.00	2.60	0.00	2.40	0.20	2.50	0.00	2.30
110.0	0.10	2.40	0.00	0.80	2.70	0.00	2.00	0.10	2.50	0.10	2.40	0.10	2.30	0.00	1.80
115.0	0.00	2.30	0.20	0.20	2.30	0.00	2.20	0.00	2.00	0.20	2.30	0.20	2.30	0.30	1.80
120.0	0.30	2.10	0.20	0.80	1.90	0.00	2.10	0.00	2.00	0.00	1.80	0.10	1.60	0.50	2.00
125.0	0.30	1.90	0.30	0.80	2.50	0.30	2.10	0.10	2.00	0.20	2.10	0.30	2.00	0.00	1.60
130.0	0.30	2.20	0.50	1.10	2.10	0.80	2.40	0.50	2.00	0.70	2.50	0.70	2.20	0.40	2.20
135.0	0.70	2.30	0.90	1.30	2.40	0.60	1.90	0.50	2.20	0.80	2.00	0.60	2.50	0.90	2.20
140.0	1.10	2.50	1.00	2.20	2.70	1.00	2.70	0.90	2.80	1.00	2.10	1.10	2.50	1.10	2.50
145.0	1.50	3.00	1.40	2.00	2.70	1.80	2.90	1.30	2.90	1.20	3.00	1.60	2.60	1.50	3.10
150.0	1.30	3.30	1.70	2.70	3.40	2.00	3.60	2.20	3.40	1.70	2.90	1.90	3.00	2.00	3.50
155.0	1.80	3.40	2.00	3.00	3.80	2.20	3.30	2.30	3.30	2.10	3.50	2.30	3.60	2.40	4.10
160.0	2.30	3.50	2.60	3.30	3.70	2.90	3.60	2.80	3.60	2.30	4.00	2.70	3.70	2.80	4.00
165.0	2.80	3.70	2.90	3.70	3.90	3.10	4.20	3.20	4.00	2.90	4.00	3.30	4.20	3.60	4.20
170.0	3.10	4.00	3.70	4.30	4.30	3.50	4.10	3.40	4.30	3.60	4.50	3.50	4.60	3.60	4.20
175.0	3.00	4.70	3.30	4.70	4.70	3.40	4.70	3.60	4.40	3.60	4.00	3.80	4.40	3.90	4.60
180.0	3.80	4.70	4.00	4.80	4.50	4.20	4.60	4.10	4.70	3.90	4.30	4.00	5.00	4.00	4.20

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月05日

Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: 86221WT		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG)	C (DEG)					
	300	310	320	330	340	350
0.0	1060	1061	1060	1060	1058	1059
5.0	1059	1068	1069	1077	1075	1081
10.0	1036	1055	1050	1068	1067	1081
15.0	971	994	984	1004	998	1016
20.0	842	868	848	876	850	875
25.0	656	679	643	667	629	653
30.0	422	423	377	400	368	381
35.0	195	215	182	202	172	191
40.0	86.6	100	83.0	96.5	79.5	93.0
45.0	47.2	55.6	44.8	53.1	42.2	51.2
50.0	28.7	36.0	27.1	34.4	26.1	34.0
55.0	19.7	26.4	18.7	25.5	17.8	25.2
60.0	14.2	19.7	13.5	18.7	13.0	18.7
65.0	10.5	15.7	10.1	15.0	9.70	15.0
70.0	7.20	12.0	6.80	11.9	6.60	11.5
75.0	4.70	8.90	4.20	8.20	4.30	7.80
80.0	2.30	6.10	2.10	5.60	1.90	5.50
85.0	0.40	3.80	0.10	3.70	0.00	3.60
90.0	0.00	3.10	0.00	3.10	0.00	3.20
95.0	0.00	3.10	0.00	2.70	0.00	2.80
100.0	0.00	2.60	0.00	2.40	0.20	2.60
105.0	0.00	2.60	0.10	2.60	0.00	2.40
110.0	0.00	2.00	0.00	1.80	0.20	2.10
115.0	0.50	2.30	0.30	2.30	0.00	2.30
120.0	0.00	1.80	0.20	2.00	0.40	2.30
125.0	0.20	2.30	0.40	2.40	0.00	2.60
130.0	0.80	2.40	0.30	2.20	0.80	2.70
135.0	0.50	2.40	0.70	2.40	1.20	2.70
140.0	1.30	2.60	1.10	2.60	1.60	3.10
145.0	1.70	2.90	1.70	3.20	2.10	3.10
150.0	2.20	3.60	1.90	3.30	2.10	3.40
155.0	2.70	3.70	2.40	3.70	2.70	3.50
160.0	2.90	4.00	2.70	4.20	2.80	4.30
165.0	2.90	4.00	3.20	4.00	3.00	4.10
170.0	3.40	4.70	3.10	4.40	3.50	4.50
175.0	3.90	4.50	3.80	4.40	3.60	4.70
180.0	3.80	4.40	4.00	4.50	4.30	4.40

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月05日

Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: