

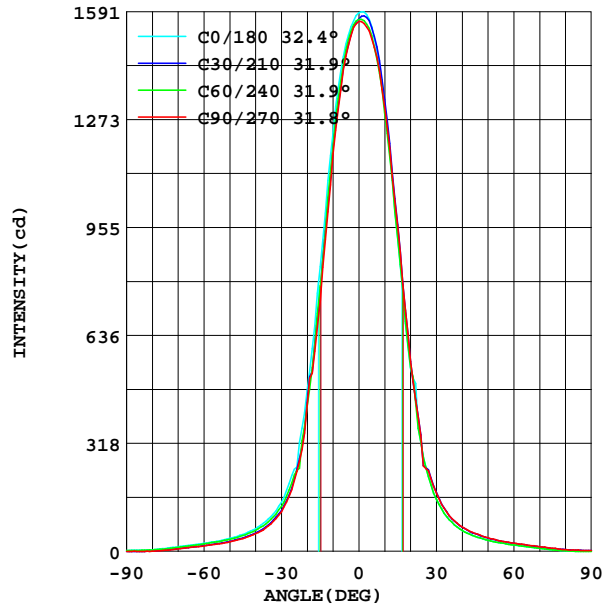
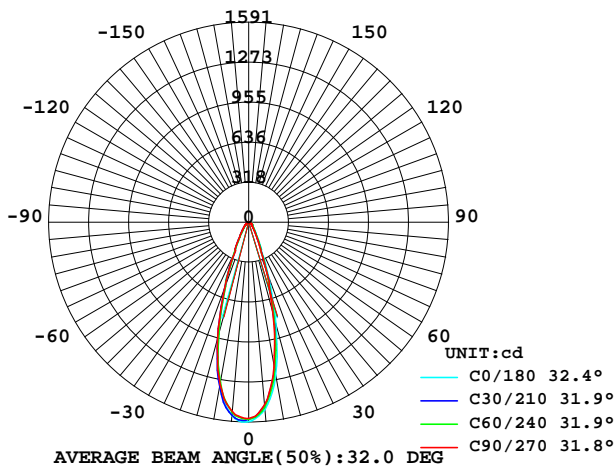
STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: 86422BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

MODEL:		Imax(cd):	1591	Effective Flux(lm):	484.1
NOMINAL POWER(W):	8	MAXIMUM(C, γ):	180, 1.0	EEI	0.180
RATED VOLTAGE(V):	120	EFFICIENCY(%):	100.0	Voltage(V)	120.3
NOMINAL FLUX(lm):	639.8	η street_up(%):	0.6	Current(A)	0.065
TEST FLUX(lm):	639.7	η street_down(%):	45.9	Power(W)	7.770
LAMPS QUANTITY:	1	η house_up(%):	0.6	Power Factor	0.984
TOTAL RADIANT(mw):	639.7	η house_down(%):	52.9	EFFICIENCY(lm/W)	82.3

LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月04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: 86422BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

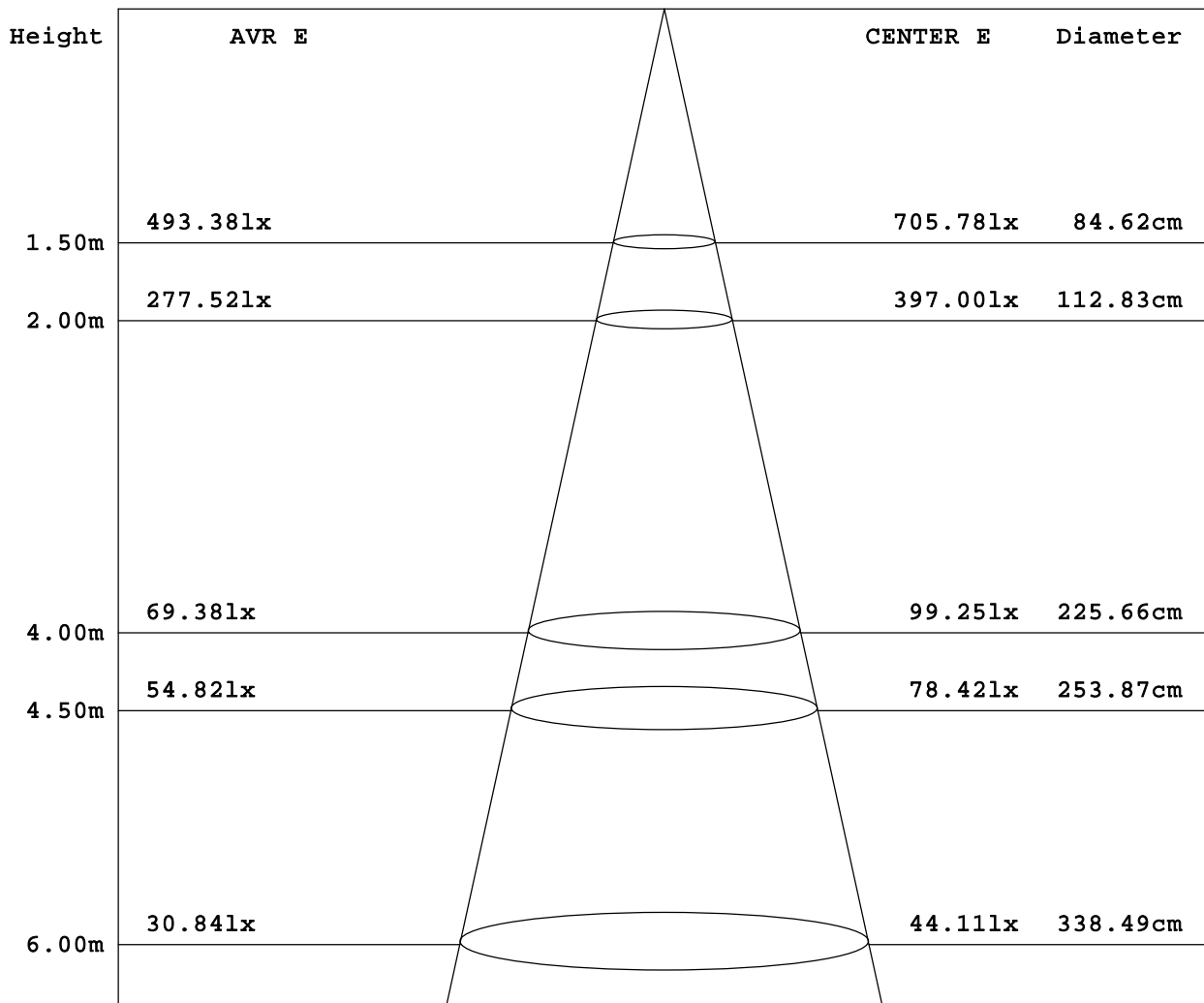
Test System:HOPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2024年10月04日

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: 86422BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



Angle: 31.5deg

Test System:HOPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2024年10月04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: 86422BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	1496	1470	1460	1467	1546	1532	1511	1488	0- 5	36.55	36.55
10.0	1234	1190	1172	1189	1310	1312	1311	1280	5- 10	98.14	134.6
15.0	839.0	770.5	738.2	778.2	920.5	940.1	956.4	926.8	10- 15	124.0	258.7
20.0	473.1	435.3	429.3	446.5	539.5	549.9	559.7	544.0	15- 20	108.5	367.2
25.0	241.8	220.5	209.4	226.8	278.2	264.9	251.6	259.0	20- 25	74.84	442.1
30.0	145.0	126.4	116.5	129.5	153.8	163.3	171.5	159.8	25- 30	48.42	490.5
35.0	95.80	83.05	74.80	82.59	93.30	99.09	105.0	99.19	30- 35	33.76	524.3
40.0	67.00	58.25	52.29	57.40	61.50	66.40	71.90	67.19	35- 40	25.08	549.4
45.0	49.70	42.70	37.50	41.90	44.10	48.19	52.70	48.75	40- 45	19.76	569.1
50.0	37.90	32.64	27.50	32.05	32.50	36.00	40.29	36.40	45- 50	15.94	585.1
55.0	29.49	25.15	21.60	24.90	24.40	27.50	30.89	27.75	50- 55	13.00	598.1
60.0	23.60	19.40	15.70	18.90	18.79	21.25	24.20	21.59	55- 60	10.70	608.8
65.0	18.19	14.40	11.50	13.70	13.79	15.75	18.50	16.70	60- 65	8.602	617.4
70.0	13.40	9.850	6.900	9.100	8.900	11.00	13.90	11.95	65- 70	6.495	623.9
75.0	8.299	5.500	3.000	5.100	4.600	6.300	9.300	7.400	70- 75	4.282	628.2
80.0	4.700	2.350	0.300	2.000	1.800	3.150	5.000	3.800	75- 80	2.290	630.4
85.0	3.700	1.500	0	1.300	0.300	1.550	3.800	1.600	80- 85	1.082	631.5
90.0	2.700	1.250	0	1.200	0.700	1.350	2.200	1.200	85- 90	0.746	632.3
95.0	2.500	0.900	0	1.150	0.300	1.050	2.400	1.250	90- 95	0.678	633.0
100.0	2.300	1.100	0.200	1.150	0.200	1.050	2.100	1.100	95-100	0.607	633.6
105.0	2.300	0.850	0	0.850	0.700	1.000	1.700	0.850	100-105	0.553	634.1
110.0	2.400	0.900	0	0.700	0.800	1.000	1.800	0.900	105-110	0.505	634.6
115.0	2.100	0.800	0.100	0.750	0.500	0.950	1.600	0.750	110-115	0.466	635.1
120.0	1.800	0.950	0	0.750	0.500	0.750	1.300	0.750	115-120	0.422	635.5
125.0	1.800	0.800	0	0.750	0.600	0.850	1.800	0.800	120-125	0.381	635.9
130.0	2.100	0.700	0	0.800	0.700	0.900	1.400	0.850	125-130	0.357	636.2
135.0	1.900	0.850	0.500	0.700	1.000	0.650	1.600	0.850	130-135	0.334	636.6
140.0	2.100	0.950	0.300	1.050	1.400	1.200	1.400	0.950	135-140	0.330	636.9
145.0	2.100	1.000	0.800	1.150	1.900	1.150	1.700	1.200	140-145	0.384	637.3
150.0	2.300	1.650	0.800	1.550	2.000	1.550	2.500	1.700	145-150	0.432	637.7
155.0	2.800	1.850	1.400	2.350	2.500	2.050	3.000	2.150	150-155	0.481	638.2
160.0	3.600	2.550	2.000	2.600	3.000	2.700	2.400	2.350	155-160	0.479	638.7
165.0	3.400	2.650	2.400	2.200	2.900	2.650	3.700	2.550	160-165	0.440	639.1
170.0	3.500	2.750	2.000	2.950	3.400	3.000	3.200	2.750	165-170	0.335	639.5
175.0	3.900	2.750	2.400	3.000	3.600	2.850	3.200	2.900	170-175	0.209	639.7
180.0	3.600	2.850	3.100	2.700	3.800	2.950	3.400	2.900	175-180	0.069	639.7
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月04日

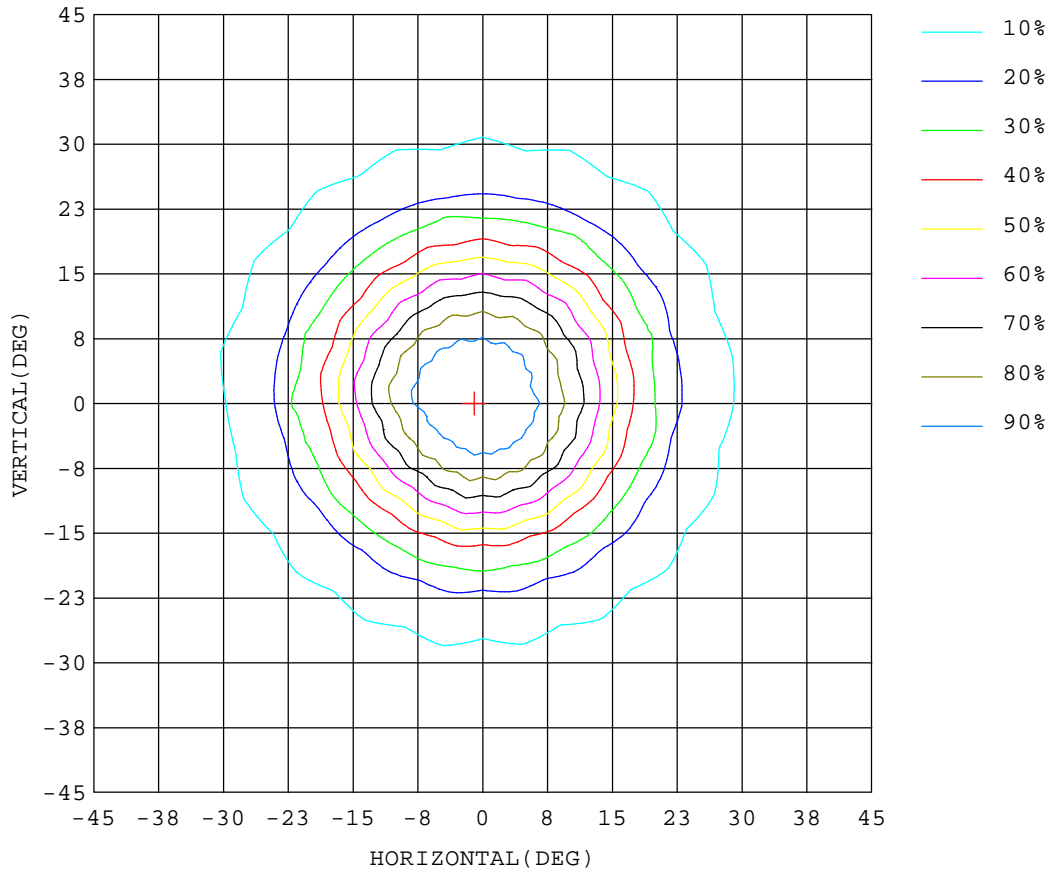
Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 86422BK		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04日

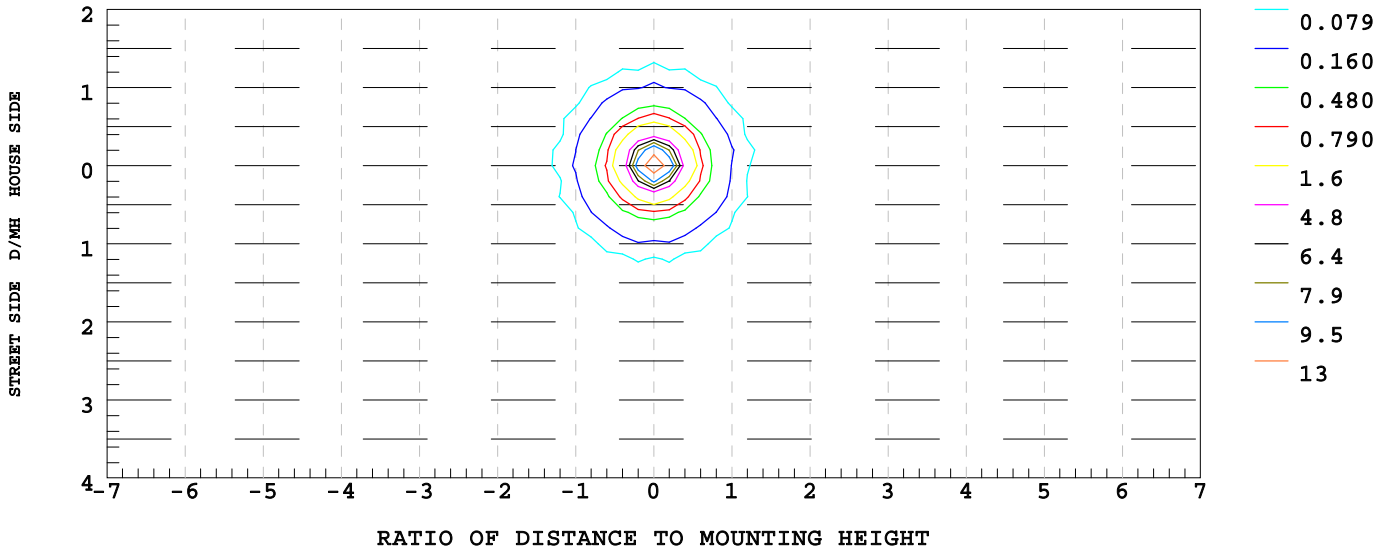
Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 86422BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 15.88 lx



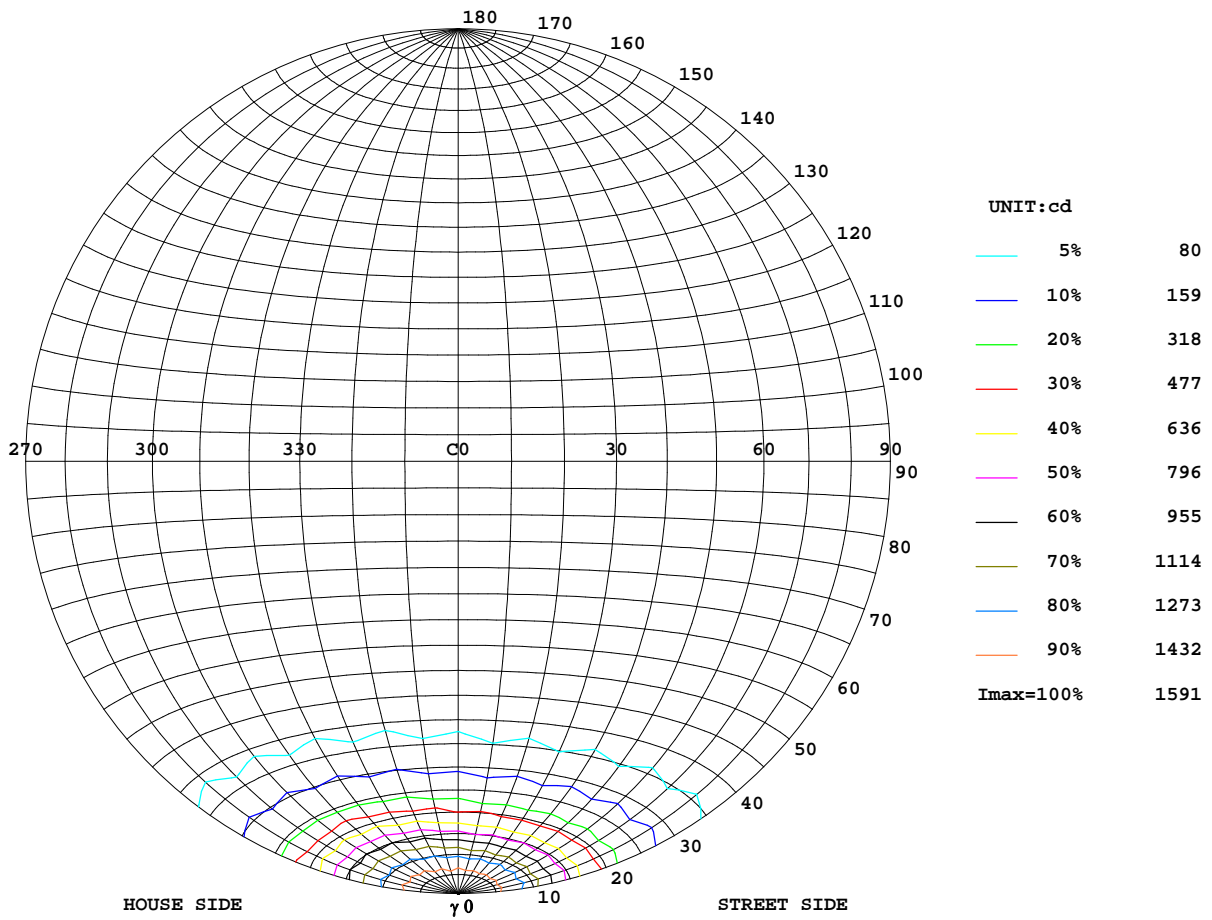
Test System:HOPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2024年10月04日

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: 86422BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



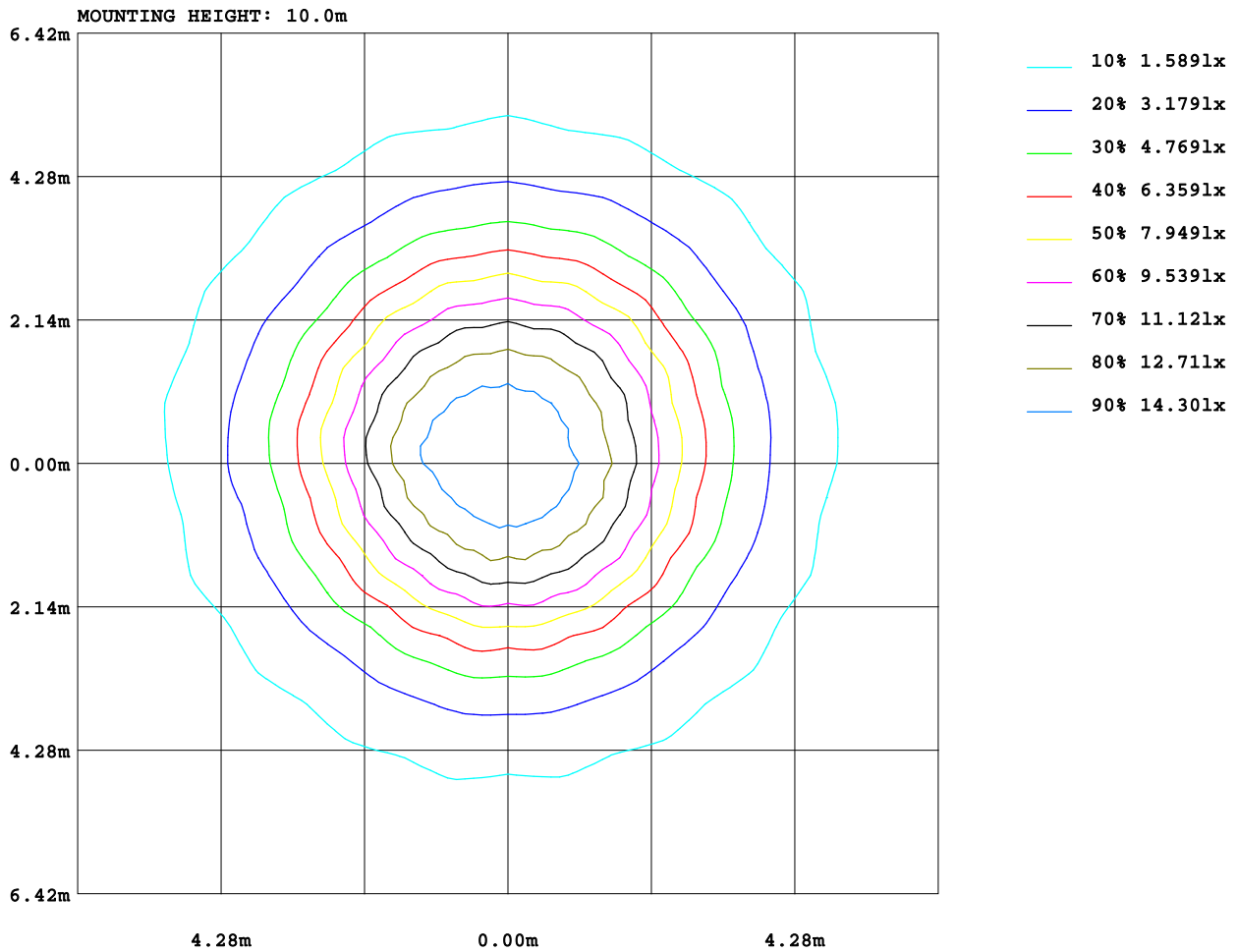
Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月04日

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: 86422BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



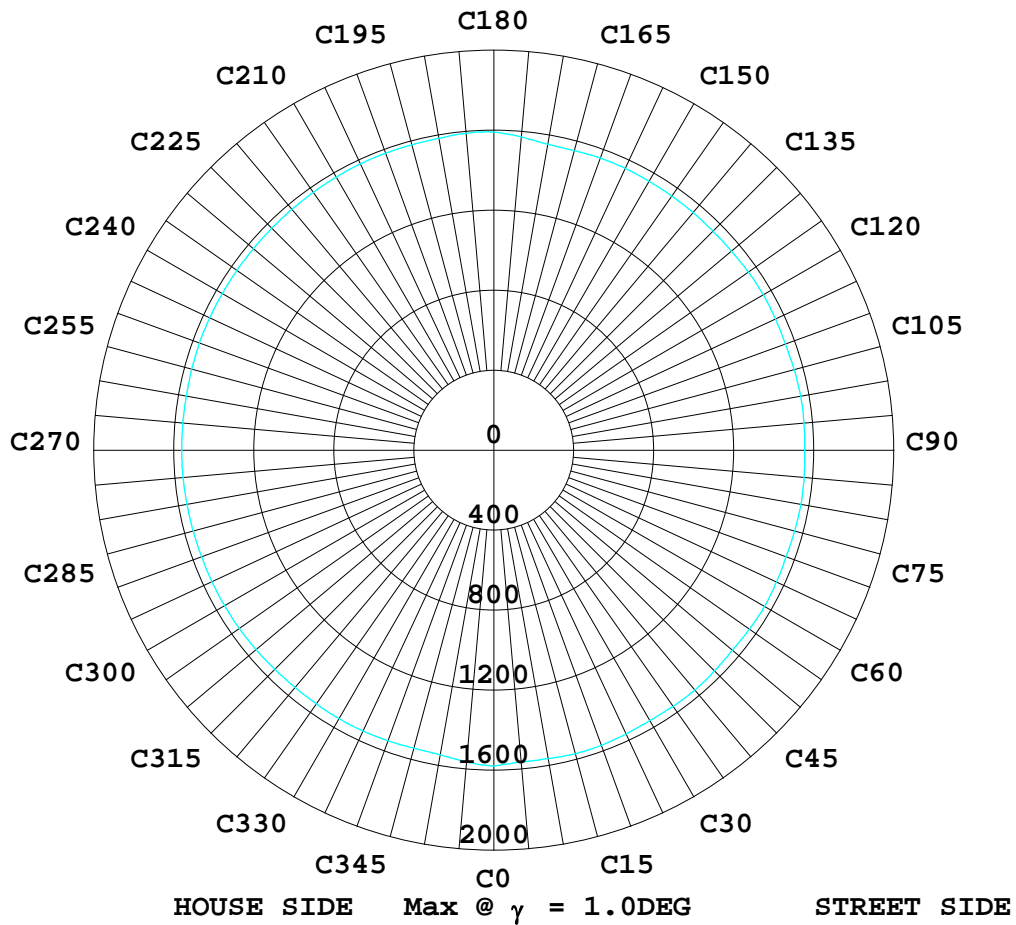
Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月04日

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: 86422BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月04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: 86422BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.13	0.16	0.22	0.27	0.29	0.35	0.41	0.40	0.44	0.44	0.40	0.41	0.35	0.29	0.27	0.22	0.16	0.14	5.34	0.00
45	0.13	0.16	0.22	0.27	0.29	0.35	0.41	0.40	0.44	0.44	0.40	0.41	0.35	0.29	0.27	0.22	0.16	0.14	5.34	0.00
40	0.16	0.19	0.25	0.34	0.38	0.45	0.56	0.57	0.63	0.62	0.56	0.56	0.45	0.39	0.35	0.26	0.19	0.17	7.07	0.00
35	0.20	0.24	0.30	0.41	0.53	0.62	0.80	0.88	0.96	0.96	0.87	0.80	0.62	0.54	0.42	0.30	0.24	0.20	9.89	0.10
30	0.22	0.30	0.38	0.50	0.73	0.94	1.22	1.49	1.60	1.59	1.47	1.21	0.94	0.73	0.51	0.38	0.30	0.22	14.7	7.22
25	0.23	0.34	0.49	0.67	0.98	1.47	1.97	2.65	3.09	3.05	2.64	1.97	1.46	0.96	0.66	0.49	0.34	0.22	23.7	18.6
20	0.25	0.36	0.57	0.92	1.40	2.21	3.54	4.76	5.49	5.46	4.78	3.59	2.17	1.33	0.87	0.55	0.35	0.24	38.8	34.8
15	0.30	0.42	0.64	1.09	1.90	3.46	5.39	7.33	8.43	8.39	7.32	5.32	3.30	1.77	1.00	0.60	0.40	0.28	57.3	53.6
10	0.32	0.49	0.78	1.33	2.49	4.53	7.24	9.55	10.6	10.5	9.31	6.86	4.16	2.13	1.17	0.71	0.46	0.31	73.1	69.6
5	0.31	0.48	0.80	1.43	2.88	5.26	8.31	10.7	11.7	11.4	10.1	7.61	4.63	2.38	1.29	0.75	0.48	0.32	81.1	77.7
0	0.29	0.45	0.74	1.34	2.69	4.84	7.79	10.2	11.4	11.4	10.0	7.35	4.43	2.26	1.19	0.71	0.46	0.31	78.0	74.5
-5	0.27	0.41	0.68	1.19	2.15	3.99	6.30	8.56	9.94	9.94	8.54	6.08	3.68	1.86	1.05	0.62	0.40	0.27	66.0	62.4
-10	0.27	0.40	0.63	1.00	1.60	2.78	4.38	6.02	7.20	7.16	6.02	4.30	2.58	1.45	0.92	0.59	0.39	0.26	48.0	44.0
-15	0.26	0.37	0.51	0.73	1.18	1.73	2.63	3.66	4.33	4.28	3.60	2.58	1.68	1.11	0.69	0.49	0.36	0.26	30.4	25.8
-20	0.23	0.30	0.40	0.59	0.83	1.10	1.55	1.91	2.23	2.20	1.86	1.51	1.08	0.81	0.58	0.39	0.29	0.23	18.1	12.0
-25	0.19	0.25	0.35	0.47	0.56	0.75	0.95	1.12	1.25	1.24	1.10	0.94	0.76	0.57	0.47	0.35	0.24	0.19	11.7	2.66
-30	0.16	0.22	0.30	0.35	0.41	0.54	0.60	0.72	0.75	0.75	0.72	0.61	0.56	0.43	0.35	0.30	0.22	0.16	8.13	0.00
-35	0.14	0.20	0.24	0.26	0.34	0.40	0.41	0.50	0.50	0.50	0.51	0.43	0.41	0.35	0.27	0.24	0.20	0.14	6.02	0.00
-40	0.13	0.17	0.18	0.21	0.27	0.29	0.31	0.37	0.36	0.36	0.38	0.32	0.30	0.28	0.22	0.19	0.17	0.13	4.64	0.00
-45	0.13	0.17	0.18	0.21	0.27	0.29	0.31	0.37	0.36	0.36	0.38	0.32	0.30	0.28	0.22	0.19	0.17	0.13	4.64	0.00
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)	10	15	20	25	30	35	40	45			
Φ t	4.05	5.75	8.45	13.1	21.6	35.7	54.3	71.5	81.1	80.4	70.3	52.4	33.5	19.6	12.2	8.13	5.67	4.04	640	
Φ a	0.00	0.00	0.00	5.94	15.9	30.8	49.9	67.2	77.0	76.3	66.0	47.9	28.5	13.8	3.92	0.00	0.00	0.00		484

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月04日

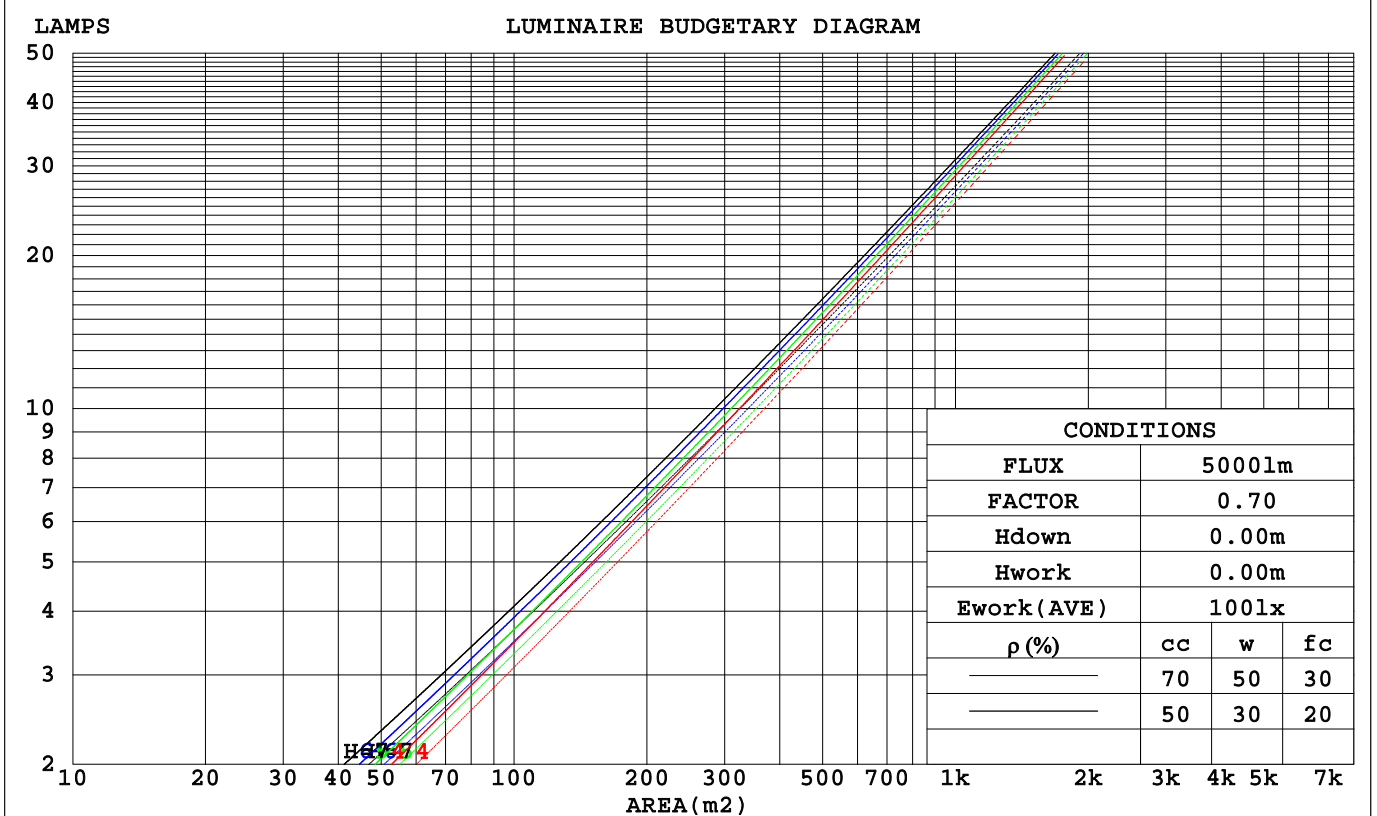
Test Set: 10.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:															
Address:															
NAME: 86422BK										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	1.10	1.10	1.10	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.10	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.01	1.00	.99	.97	.96	.95	.94	.92
2.0	1.03	.99	.96	1.01	.98	.95	.98	.95	.92	.95	.92	.90	.92	.90	.88	.86
3.0	.97	.92	.88	.95	.91	.87	.92	.89	.86	.90	.87	.84	.87	.85	.83	.81
4.0	.91	.86	.82	.90	.85	.81	.88	.83	.80	.85	.82	.79	.83	.81	.78	.77
5.0	.86	.81	.77	.85	.80	.76	.83	.79	.75	.81	.78	.75	.80	.77	.74	.73
6.0	.82	.76	.72	.81	.76	.72	.79	.75	.71	.78	.74	.71	.76	.73	.70	.69
7.0	.78	.72	.68	.77	.72	.68	.76	.71	.68	.75	.70	.67	.73	.70	.67	.66
8.0	.74	.69	.65	.74	.69	.65	.73	.68	.65	.72	.67	.64	.71	.67	.64	.63
9.0	.71	.66	.62	.71	.66	.62	.70	.65	.62	.69	.65	.62	.68	.64	.61	.60
10.0	.68	.63	.60	.68	.63	.60	.67	.63	.59	.66	.62	.59	.65	.62	.59	.58



Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月04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: 86422BK		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	.178	.101	.032	.171	.098	.031	.158	.091	.029	.146	.084	.027	.135	.078	.025	
2.0	.168	.092	.028	.162	.089	.027	.151	.084	.026	.141	.079	.025	.131	.074	.023	
3.0	.158	.084	.025	.152	.082	.025	.143	.077	.024	.134	.073	.023	.126	.070	.022	
4.0	.148	.077	.023	.143	.075	.022	.135	.072	.021	.128	.069	.021	.120	.065	.020	
5.0	.139	.071	.021	.135	.069	.020	.128	.067	.020	.121	.064	.019	.115	.062	.018	
6.0	.131	.066	.019	.128	.065	.019	.122	.062	.018	.116	.060	.018	.110	.058	.017	
7.0	.124	.061	.017	.121	.060	.017	.116	.059	.017	.111	.057	.016	.106	.055	.016	
8.0	.118	.058	.016	.115	.057	.016	.110	.055	.016	.106	.054	.015	.101	.052	.015	
9.0	.112	.054	.015	.110	.054	.015	.105	.052	.015	.101	.051	.015	.097	.049	.014	
10.0	.107	.051	.014	.105	.051	.014	.101	.049	.014	.097	.048	.014	.094	.047	.014	

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	.154	.154	.143	.132	.105	.098	.092	.061	.057	.053	.019	.018	.017	
2.0	.165	.142	.122	.141	.122	.105	.097	.084	.074	.056	.049	.043	.018	.016	.014	
3.0	.152	.123	.099	.130	.106	.086	.089	.073	.060	.052	.043	.036	.017	.014	.012	
4.0	.141	.108	.083	.121	.093	.072	.083	.065	.050	.048	.038	.030	.015	.012	.010	
5.0	.132	.096	.070	.113	.083	.061	.078	.058	.043	.045	.034	.025	.015	.011	.008	
6.0	.124	.087	.060	.106	.075	.052	.073	.053	.037	.042	.031	.022	.014	.010	.007	
7.0	.116	.079	.053	.100	.068	.046	.069	.048	.032	.040	.028	.019	.013	.009	.006	
8.0	.110	.072	.047	.095	.063	.041	.066	.044	.029	.038	.026	.017	.012	.009	.006	
9.0	.105	.067	.042	.090	.058	.036	.063	.041	.026	.036	.024	.015	.012	.008	.005	
10.0	.100	.063	.038	.086	.054	.033	.060	.038	.023	.035	.023	.014	.011	.007	.005	

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月04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: 86422BK					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	5.6	6.5	5.9	6.7	6.9	5.5	6.3	5.7	6.5	6.7
3H	6.5	7.3	6.8	7.6	7.8	6.2	7.0	6.5	7.2	7.4
4H	6.8	7.5	7.0	7.8	8.0	6.4	7.2	6.7	7.4	7.6
6H	6.9	7.6	7.2	7.9	8.1	6.5	7.2	6.8	7.4	7.7
8H	6.9	7.6	7.2	7.9	8.2	6.4	7.1	6.8	7.4	7.7
12H	7.0	7.7	7.3	8.0	8.3	6.4	7.1	6.8	7.4	7.7
4H 2H	6.0	6.7	6.3	7.0	7.2	5.8	6.6	6.1	6.8	7.1
3H	7.0	7.7	7.3	7.9	8.2	6.7	7.4	7.0	7.7	8.0
4H	7.3	7.9	7.7	8.2	8.6	6.9	7.6	7.3	7.9	8.2
6H	7.5	8.0	7.9	8.4	8.7	7.0	7.6	7.4	7.9	8.3
8H	7.5	8.0	7.9	8.4	8.8	7.1	7.6	7.5	7.9	8.3
12H	7.6	8.0	8.0	8.4	8.8	7.1	7.6	7.6	8.0	8.4
8H 4H	7.3	7.8	7.7	8.2	8.6	7.0	7.5	7.4	7.9	8.3
6H	7.6	8.0	8.0	8.4	8.8	7.1	7.6	7.6	8.0	8.4
8H	7.6	8.0	8.1	8.4	8.9	7.2	7.6	7.7	8.0	8.5
12H	7.8	8.1	8.2	8.5	9.0	7.3	7.6	7.8	8.1	8.6
12H 4H	7.3	7.8	7.7	8.1	8.6	7.0	7.4	7.4	7.8	8.2
6H	7.5	7.9	8.0	8.3	8.8	7.1	7.5	7.6	7.9	8.4
8H	7.6	7.9	8.1	8.4	8.9	7.2	7.5	7.7	8.0	8.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.8 / - 0.7					+ 0.6 / - 1.1				
1.5H	+ 1.3 / - 0.9					+ 0.5 / - 0.8				
2.0H	+ 1.7 / - 1.7					+ 0.9 / - 1.2				

CIE Pub.117 Corrected 639.7 lm Total Lamp Luminous Flux. (8log(F/F0) = -1.6)

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月04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: 86422BK		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	83	76	71	82	75	71	81	75	71	67
0.80	91	84	80	90	83	79	88	83	79	75
1.00	96	89	85	95	89	85	93	89	84	80
1.25	100	94	90	99	93	90	97	92	89	84
1.50	103	98	94	102	97	93	99	95	92	87
2.00	106	101	98	105	100	97	102	98	95	90
2.50	108	104	100	107	103	99	103	100	97	91
3.00	110	106	103	108	105	102	105	102	100	93
4.00	112	109	107	110	107	105	106	104	102	95
5.00	114	111	109	112	109	107	107	106	104	96
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04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: 86422BK		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	1588	1576	1578	1570	1571	1568	1568	1564	1565	1562	1562	1557	1560	1555	1553
5.0	1496	1473	1486	1464	1481	1460	1478	1456	1478	1460	1483	1456	1475	1454	1480
10.0	1234	1203	1214	1189	1203	1178	1192	1167	1189	1172	1197	1168	1186	1170	1208
15.0	839	786	814	764	795	746	779	732	775	738	785	738	778	747	810
20.0	473	502	453	438	438	432	427	423	426	429	434	432	434	434	459
25.0	242	223	231	215	231	210	225	206	226	209	231	211	230	216	238
30.0	145	125	139	121	135	118	133	115	132	117	134	117	133	119	141
35.0	95.8	80.9	91.3	77.9	89.6	76.5	87.6	75.0	87.0	74.8	86.1	74.1	85.5	75.1	90.0
40.0	67.0	56.3	64.0	54.7	62.5	53.8	61.9	53.1	61.0	52.2	60.5	50.9	60.0	52.2	62.5
45.0	49.7	40.5	47.7	38.9	46.9	38.5	46.5	38.2	46.0	37.5	45.4	36.7	45.0	37.2	46.5
50.0	37.9	30.0	36.3	29.1	36.1	29.1	35.5	28.4	34.7	27.5	34.7	27.9	34.2	28.4	35.7
55.0	29.4	23.1	28.0	22.9	27.9	22.4	27.9	22.1	26.8	21.6	26.6	21.1	26.8	21.7	28.0
60.0	23.6	17.2	22.3	17.2	22.2	16.5	21.7	16.3	21.2	15.7	20.9	15.5	21.0	15.9	21.9
65.0	18.1	12.8	17.2	12.3	16.5	12.2	16.9	11.4	16.1	11.5	15.9	11.0	16.0	11.2	16.2
70.0	13.4	8.40	12.4	8.00	11.9	7.80	11.9	7.40	11.7	6.90	11.2	6.80	11.3	6.80	11.4
75.0	8.29	3.60	7.70	3.50	7.60	3.40	6.80	2.90	7.00	3.00	7.00	3.20	6.50	3.00	7.20
80.0	4.70	1.50	4.70	0.70	4.30	0.40	3.70	0.30	4.00	0.30	3.90	0.50	3.40	0.00	4.00
85.0	3.70	0.00	3.10	0.00	3.00	0.00	2.80	0.00	2.80	0.00	2.70	0.00	2.30	0.00	2.60
90.0	2.70	0.00	2.50	0.00	2.50	0.00	2.40	0.00	1.90	0.00	2.20	0.00	2.30	0.00	2.40
95.0	2.50	0.00	2.60	0.00	1.80	0.00	2.40	0.00	2.10	0.00	2.10	0.00	2.20	0.00	2.30
100.0	2.30	0.00	2.00	0.00	2.20	0.00	1.60	0.00	2.20	0.20	2.00	0.00	2.10	0.00	2.30
105.0	2.30	0.00	2.30	0.00	1.70	0.00	1.80	0.00	1.60	0.00	1.90	0.00	2.10	0.00	1.70
110.0	2.40	0.20	2.00	0.00	1.80	0.00	1.60	0.00	1.90	0.00	1.80	0.00	1.60	0.00	1.40
115.0	2.10	0.00	1.60	0.00	1.60	0.00	1.60	0.00	1.70	0.10	1.60	0.00	1.80	0.00	1.50
120.0	1.80	0.50	1.60	0.00	1.80	0.10	1.50	0.00	1.20	0.00	1.70	0.20	1.60	0.00	1.50
125.0	1.80	0.10	1.50	0.20	1.40	0.20	1.70	0.00	1.50	0.00	1.60	0.00	1.30	0.20	1.30
130.0	2.10	0.00	1.80	0.00	1.20	0.20	1.40	0.20	1.80	0.00	1.70	0.00	1.10	0.00	1.60
135.0	1.90	0.30	1.70	0.10	1.60	0.10	1.50	0.00	1.40	0.50	1.90	0.10	1.30	0.00	1.40
140.0	2.10	0.20	1.90	0.40	1.80	0.10	1.70	0.10	1.50	0.30	1.60	0.50	1.80	0.60	1.50
145.0	2.10	0.80	1.90	0.40	1.50	0.50	2.10	0.50	1.90	0.80	1.70	0.50	2.10	0.60	1.70
150.0	2.30	1.10	2.30	0.80	2.20	1.10	2.00	1.20	2.20	0.80	2.30	0.90	2.00	1.00	2.10
155.0	2.80	2.20	2.90	1.60	2.40	1.30	3.10	1.40	2.40	1.40	2.10	1.40	2.70	1.70	3.00
160.0	3.60	2.80	3.20	2.00	3.20	1.90	2.90	2.00	3.10	2.00	2.90	2.10	3.00	2.10	3.10
165.0	3.40	2.60	3.20	2.10	3.10	2.20	3.40	2.60	3.20	2.40	3.20	2.10	3.20	1.70	2.70
170.0	3.50	2.30	3.20	2.50	3.30	2.20	3.20	2.20	3.60	2.00	3.50	2.20	3.30	2.40	3.50
175.0	3.90	2.20	3.30	2.40	3.10	2.40	3.10	2.30	3.20	2.40	3.50	2.50	3.30	2.60	3.40
180.0	3.60	3.20	3.20	2.60	3.30	2.40	2.90	2.80	2.90	3.10	2.80	2.70	3.20	2.60	2.80

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月04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: 86422BK		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	1554	1552	1554	1588	1576	1578	1570	1571	1568	1568	1564	1565	1562	1562	1557
5.0	1473	1501	1493	1546	1553	1539	1543	1530	1533	1520	1521	1507	1511	1497	1503
10.0	1211	1252	1253	1310	1339	1306	1332	1299	1326	1293	1320	1285	1311	1275	1312
15.0	794	861	849	921	962	923	962	920	961	923	964	922	956	914	961
20.0	503	498	501	540	559	542	559	541	559	543	564	544	560	539	565
25.0	237	247	260	278	253	280	253	278	252	277	253	278	252	276	245
30.0	130	153	141	154	173	155	174	154	173	154	173	153	172	152	172
35.0	80.8	96.8	86.9	93.3	104	92.9	104	93.5	105	93.4	105	94.1	105	92.6	105
40.0	55.9	66.5	58.2	61.5	71.0	60.2	70.9	61.0	71.8	61.5	72.5	62.1	71.9	61.5	72.1
45.0	40.2	49.5	41.6	44.1	51.5	43.3	52.1	43.5	52.7	44.2	53.1	44.9	52.7	44.5	53.2
50.0	29.4	37.0	30.5	32.5	38.9	32.1	39.2	32.3	39.7	32.7	40.2	33.5	40.2	32.9	40.2
55.0	22.2	28.7	23.2	24.4	30.3	24.2	29.9	24.5	30.5	25.2	30.8	25.0	30.8	24.5	30.8
60.0	16.6	22.6	17.2	18.7	24.0	18.0	23.8	18.2	24.2	18.6	24.5	18.4	24.2	18.5	24.1
65.0	11.4	16.5	12.4	13.7	18.6	13.2	18.2	13.3	18.1	13.7	19.0	13.7	18.5	13.9	19.1
70.0	7.50	11.9	7.70	8.90	13.0	8.90	13.0	8.80	13.2	9.20	13.4	9.09	13.9	9.20	14.0
75.0	2.90	6.90	3.60	4.60	8.00	4.50	8.40	4.10	8.50	4.50	9.00	5.00	9.30	5.60	9.30
80.0	0.50	3.80	0.70	1.80	5.00	1.40	5.00	1.30	5.00	1.60	4.90	1.40	5.00	1.60	5.40
85.0	0.00	2.80	0.00	0.30	3.10	0.00	3.60	0.00	3.10	0.00	3.00	0.00	3.80	0.00	3.20
90.0	0.00	2.40	0.00	0.70	2.80	0.00	2.40	0.00	2.70	0.00	2.50	0.00	2.20	0.00	2.40
95.0	0.00	2.10	0.10	0.30	2.50	0.00	2.40	0.00	2.10	0.00	2.30	0.00	2.40	0.00	1.90
100.0	0.00	2.20	0.00	0.20	2.30	0.00	2.60	0.00	2.10	0.00	1.80	0.00	2.10	0.00	2.00
105.0	0.00	1.80	0.00	0.70	2.10	0.00	2.30	0.00	2.00	0.00	2.10	0.00	1.70	0.00	1.80
110.0	0.00	1.30	0.00	0.80	1.60	0.00	1.90	0.00	2.00	0.00	1.90	0.00	1.80	0.00	1.60
115.0	0.00	1.60	0.00	0.50	1.70	0.00	1.80	0.00	1.90	0.00	1.40	0.00	1.60	0.00	1.70
120.0	0.00	1.60	0.00	0.50	1.60	0.00	1.50	0.00	1.50	0.00	1.60	0.00	1.30	0.00	1.60
125.0	0.00	1.40	0.00	0.60	1.90	0.00	1.70	0.00	1.70	0.10	1.70	0.00	1.80	0.00	1.80
130.0	0.00	1.50	0.00	0.70	1.30	0.10	1.70	0.20	1.60	0.00	1.50	0.00	1.40	0.00	1.60
135.0	0.20	1.50	0.40	1.00	1.50	0.00	1.40	0.20	1.10	0.40	1.50	0.00	1.60	0.10	1.40
140.0	0.00	1.70	0.40	1.40	1.80	0.20	1.30	0.60	1.80	0.20	1.80	0.20	1.40	0.40	1.50
145.0	0.50	2.00	0.80	1.90	2.00	0.50	1.90	0.30	2.00	0.80	1.90	0.50	1.70	0.60	1.70
150.0	0.90	2.00	1.10	2.00	2.20	1.00	2.10	0.90	2.20	1.40	2.20	0.60	2.50	0.60	2.10
155.0	1.70	2.40	1.20	2.50	2.70	1.50	2.70	1.70	2.40	1.10	2.70	1.80	3.00	1.60	2.80
160.0	2.00	2.70	2.00	3.00	3.50	2.20	2.80	2.20	3.20	2.10	2.80	2.40	2.40	2.00	2.70
165.0	2.70	3.40	2.10	2.90	3.60	2.40	3.50	2.30	3.00	2.50	3.10	2.30	3.70	1.90	3.10
170.0	2.40	3.00	2.30	3.40	3.70	2.70	2.80	2.40	3.60	2.30	3.20	2.40	3.20	2.60	3.10
175.0	2.60	3.10	2.40	3.60	3.50	2.60	3.40	2.30	3.40	2.40	3.30	2.20	3.20	2.70	3.30
180.0	2.50	3.10	2.70	3.80	3.80	2.50	3.20	2.30	3.60	2.50	3.50	2.70	3.40	2.50	3.10

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月04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: 86422BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG)	C (DEG)					
	300	310	320	330	340	350
0.0	1560	1555	1553	1554	1552	1554
5.0	1494	1495	1481	1484	1466	1466
10.0	1280	1304	1257	1272	1221	1232
15.0	925	957	897	910	846	856
20.0	550	563	526	523	499	478
25.0	280	250	268	248	246	246
30.0	153	172	148	162	138	149
35.0	93.9	106	92.6	102	88.0	95.9
40.0	61.6	72.6	61.6	70.7	58.9	67.0
45.0	44.8	53.3	44.1	51.8	42.6	49.7
50.0	32.7	40.0	32.7	39.2	31.4	37.9
55.0	24.9	30.7	24.6	30.0	24.0	29.4
60.0	18.7	24.4	18.7	24.6	18.4	23.2
65.0	14.1	19.1	14.3	18.9	13.7	18.0
70.0	9.90	14.0	9.90	13.7	8.80	13.2
75.0	5.10	9.60	5.20	9.00	4.90	8.50
80.0	1.80	5.50	2.10	5.00	1.30	4.90
85.0	0.00	3.20	0.00	3.00	0.00	3.00
90.0	0.00	2.40	0.00	2.70	0.00	2.70
95.0	0.00	2.50	0.00	2.40	0.00	2.20
100.0	0.00	2.20	0.00	1.90	0.00	1.80
105.0	0.00	1.70	0.00	1.90	0.20	2.00
110.0	0.00	1.80	0.00	1.80	0.00	1.70
115.0	0.00	1.50	0.00	1.50	0.00	1.70
120.0	0.00	1.50	0.00	1.40	0.00	1.80
125.0	0.20	1.60	0.00	1.90	0.00	1.70
130.0	0.00	1.70	0.00	1.50	0.00	1.50
135.0	0.00	1.50	0.20	1.60	0.20	1.70
140.0	0.30	1.80	0.10	1.50	0.60	1.70
145.0	0.80	2.00	0.40	2.00	0.20	2.00
150.0	1.00	2.30	1.10	2.10	0.90	2.10
155.0	1.50	2.80	1.50	2.20	2.00	3.00
160.0	1.70	2.90	1.80	2.60	2.10	3.00
165.0	2.30	3.10	2.00	3.50	1.90	3.10
170.0	2.50	3.10	2.40	3.40	2.30	3.50
175.0	2.30	3.60	2.20	3.20	2.50	3.30
180.0	2.50	3.20	2.60	2.80	2.50	3.20

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2024年10月04日

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