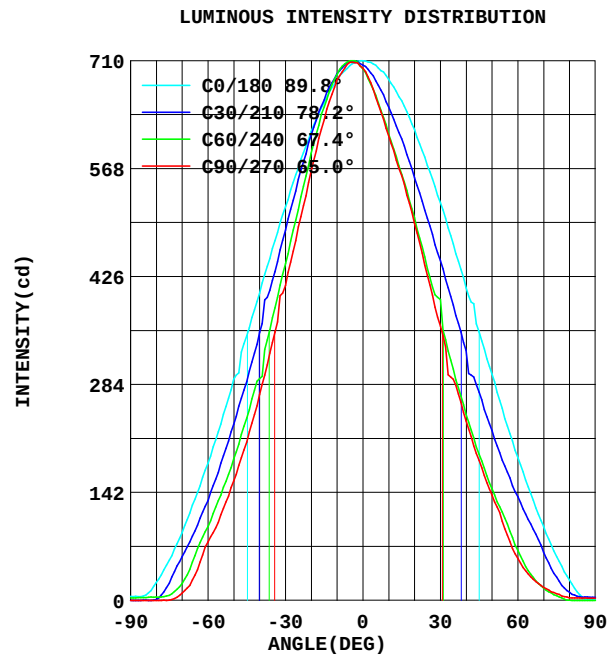
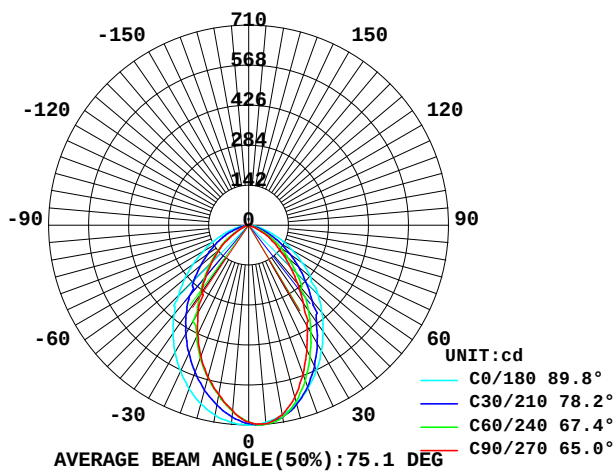


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: 52527BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

MODEL:		Imax(cd):	711.0	Effective Flux(lm):	1117.0
NOMINAL POWER(W):	30	MAXIMUM(C, γ):	40, 4.0	EEI	0.361
RATED VOLTAGE(V):	120	EFFICIENCY(%):	100.0	Voltage(V)	120.3
NOMINAL FLUX(lm):	1171.9	η street_up(%):	0.4	Current(A)	0.255
TEST FLUX(lm):	1172	η street_down(%):	52.5	Power(W)	30.38
LAMPS QUANTITY:	1	η house_up(%):	0.5	Power Factor	0.988
TOTAL RADIANT(mw):	1172	η house_down(%):	46.6	EEFICIENCY(lm/W)	38.6



Test System:HOPPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2025年05月21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: 52527BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

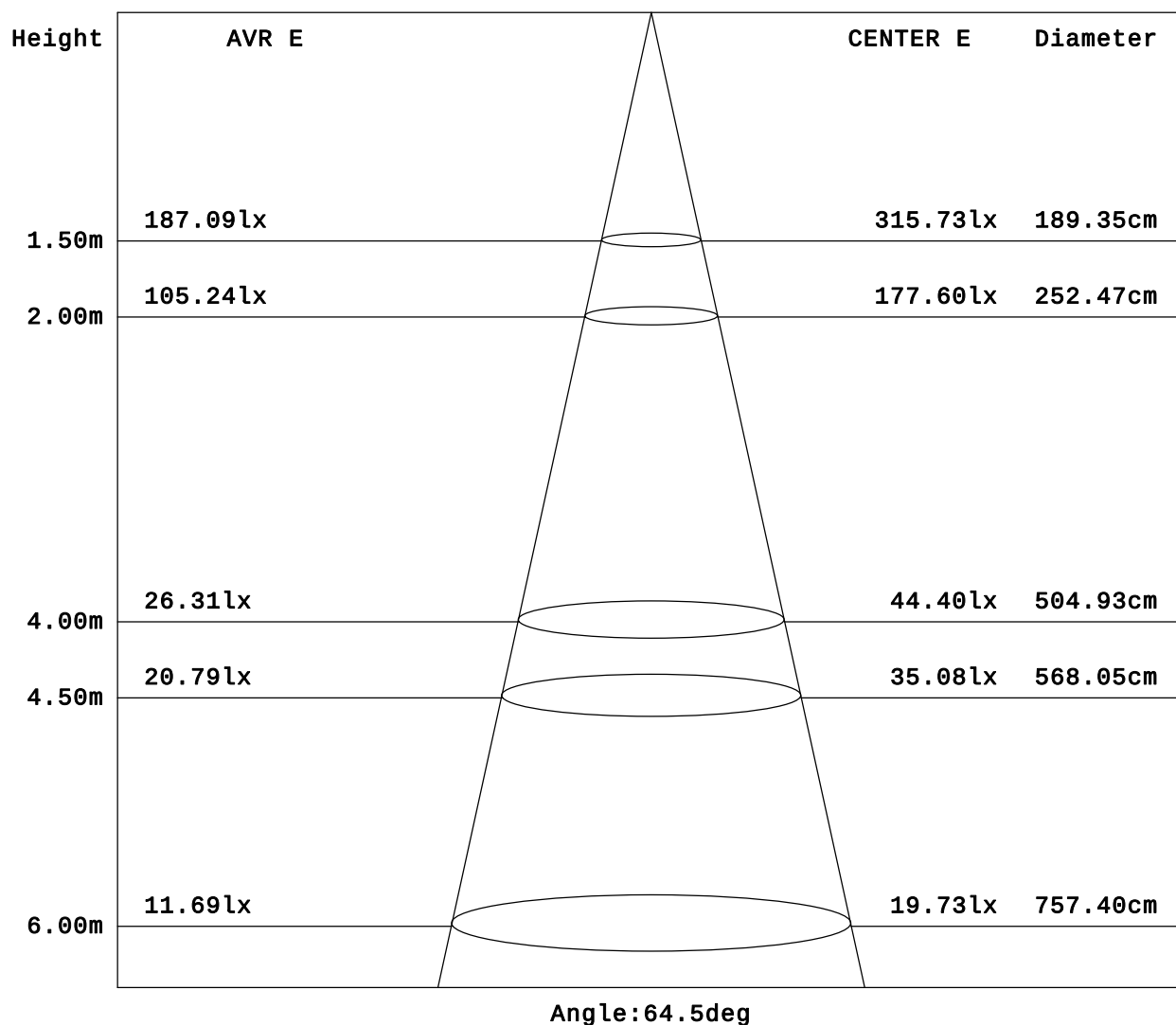
Test System:HOPPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2025年05月21日

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: 52527BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1600
Temperature:25.3DEG
Operators:
Test Date:2025年05月21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: 52527BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	703.9	709.9	708.0	704.0	704.1	673.8	661.7	668.5	0- 5	16.61	16.61
10.0	684.1	694.7	684.9	689.5	685.7	629.9	611.3	626.4	5- 10	48.32	64.93
15.0	655.1	655.5	632.5	656.5	657.3	581.2	559.0	577.6	10- 15	75.99	140.9
20.0	617.2	600.5	565.0	607.6	619.3	526.7	495.6	522.5	15- 20	97.78	238.7
25.0	568.5	533.3	491.3	546.2	572.2	467.4	427.7	465.4	20- 25	112.5	351.2
30.0	517.8	462.2	414.5	478.9	522.9	405.4	360.7	405.7	25- 30	120.3	471.6
35.0	463.2	402.7	339.5	415.7	469.2	342.2	290.8	344.0	30- 35	121.3	593.0
40.0	404.0	323.4	271.3	344.6	411.2	280.5	236.1	283.8	35- 40	116.1	709.1
45.0	348.3	261.0	208.4	279.3	352.8	227.6	183.8	231.6	40- 45	106.7	815.8
50.0	290.7	205.7	157.0	226.5	297.7	180.1	138.6	185.2	45- 50	94.14	910.0
55.0	231.8	157.1	112.8	176.1	239.1	137.1	94.30	142.6	50- 55	79.94	989.9
60.0	180.5	114.2	77.00	130.8	187.6	101.3	55.09	107.8	55- 60	63.81	1054
65.0	133.0	77.50	33.19	91.34	140.5	62.65	31.09	72.50	60- 65	47.36	1101
70.0	89.09	39.89	9.300	55.65	97.50	31.69	16.90	38.59	65- 70	31.29	1132
75.0	52.70	10.75	0.200	20.04	57.70	13.10	8.500	15.50	70- 75	17.74	1150
80.0	23.50	2.450	0	3.400	26.60	3.950	3.200	4.450	75- 80	7.863	1158
85.0	5.600	1.900	0	2.200	4.600	1.650	2.700	1.550	80- 85	2.478	1161
90.0	5.100	1.750	0	1.700	0.700	1.600	2.600	1.550	85- 90	1.045	1162
95.0	4.200	1.600	0	1.750	1.000	1.350	2.300	1.450	90- 95	0.906	1162
100.0	3.900	1.400	0	1.500	1.000	1.150	2.100	1.100	95-100	0.814	1163
105.0	3.700	1.500	0	1.300	1.100	1.000	1.900	1.250	100-105	0.749	1164
110.0	3.500	1.400	0	1.400	1.100	1.100	1.900	1.150	105-110	0.703	1165
115.0	3.400	1.400	0	1.250	1.200	1.300	1.500	1.150	110-115	0.685	1165
120.0	3.500	1.250	0.200	1.100	1.500	1.050	2.200	1.250	115-120	0.667	1166
125.0	3.600	1.050	0.500	1.450	1.700	1.400	2.100	1.350	120-125	0.660	1167
130.0	3.400	1.400	0	1.600	1.800	1.400	2.200	1.300	125-130	0.656	1167
135.0	3.300	1.550	0.900	1.350	2.000	1.900	1.800	1.800	130-135	0.651	1168
140.0	3.300	1.550	1.100	1.550	2.300	1.900	2.300	1.900	135-140	0.647	1169
145.0	3.400	1.900	1.100	1.650	2.600	2.200	2.400	1.850	140-145	0.630	1169
150.0	3.400	1.900	1.000	2.000	2.600	2.100	2.800	2.100	145-150	0.594	1170
155.0	3.800	1.950	1.300	2.000	2.900	2.200	2.800	2.250	150-155	0.538	1170
160.0	2.900	2.150	1.300	2.000	2.900	2.350	2.700	2.400	155-160	0.476	1171
165.0	3.400	2.250	1.500	1.900	2.600	2.400	3.000	2.350	160-165	0.392	1171
170.0	3.600	2.600	1.600	2.150	2.900	2.200	3.300	2.500	165-170	0.292	1172
175.0	3.600	2.450	2.000	2.550	3.700	2.500	2.800	2.400	170-175	0.183	1172
180.0	3.800	2.450	2.300	2.650	3.900	2.650	2.800	2.550	175-180	0.061	1172
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

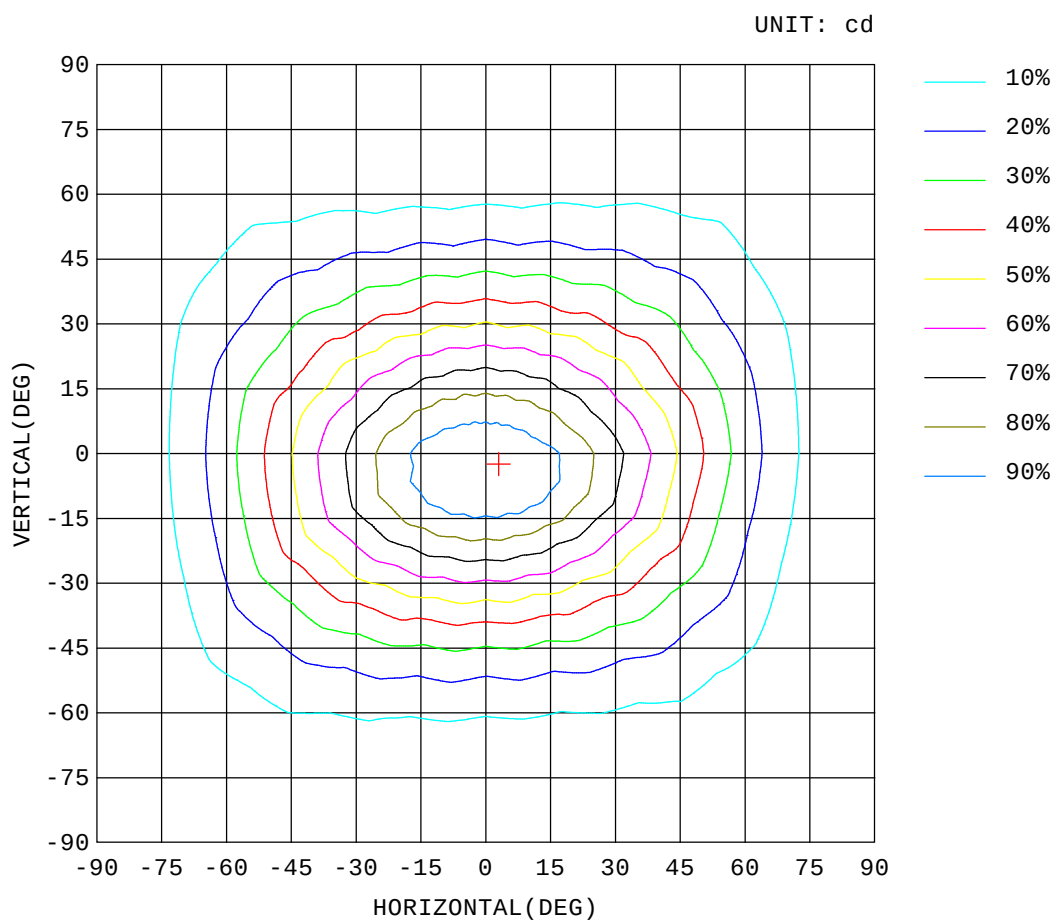
Test System:HOPPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2025年05月21日

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: 52527BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1600
Temperature:25.3DEG
Operators:
Test Date:2025年05月21日

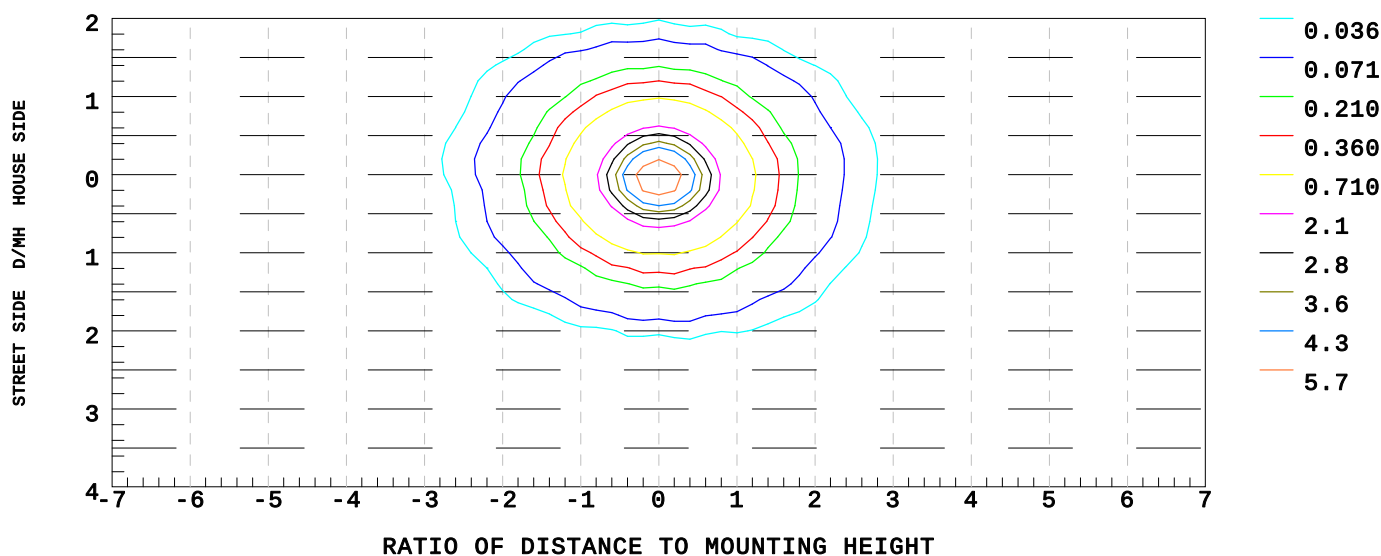
Test Set: 10.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 52527BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 7.10 lx



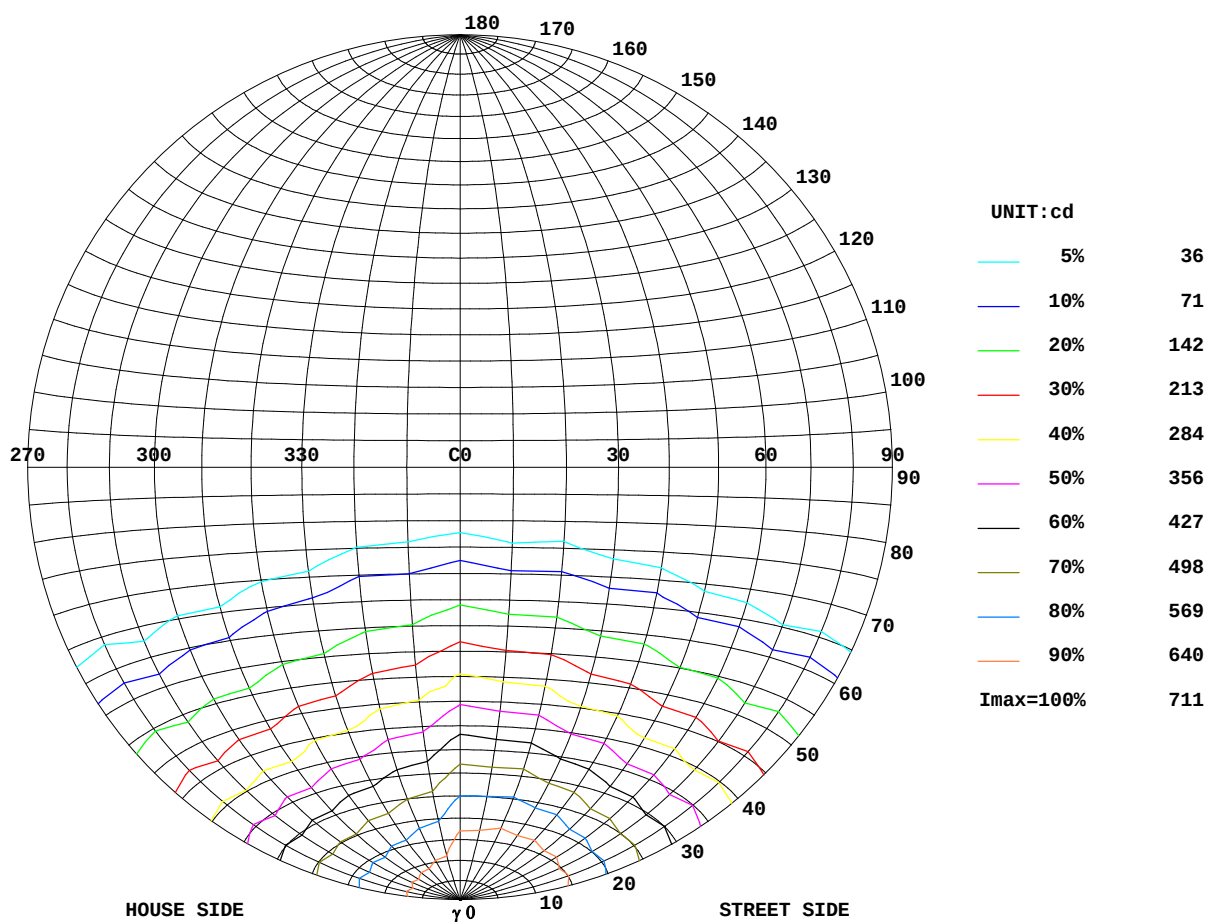
Test System:HOPPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2025年05月21日

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: 52527BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



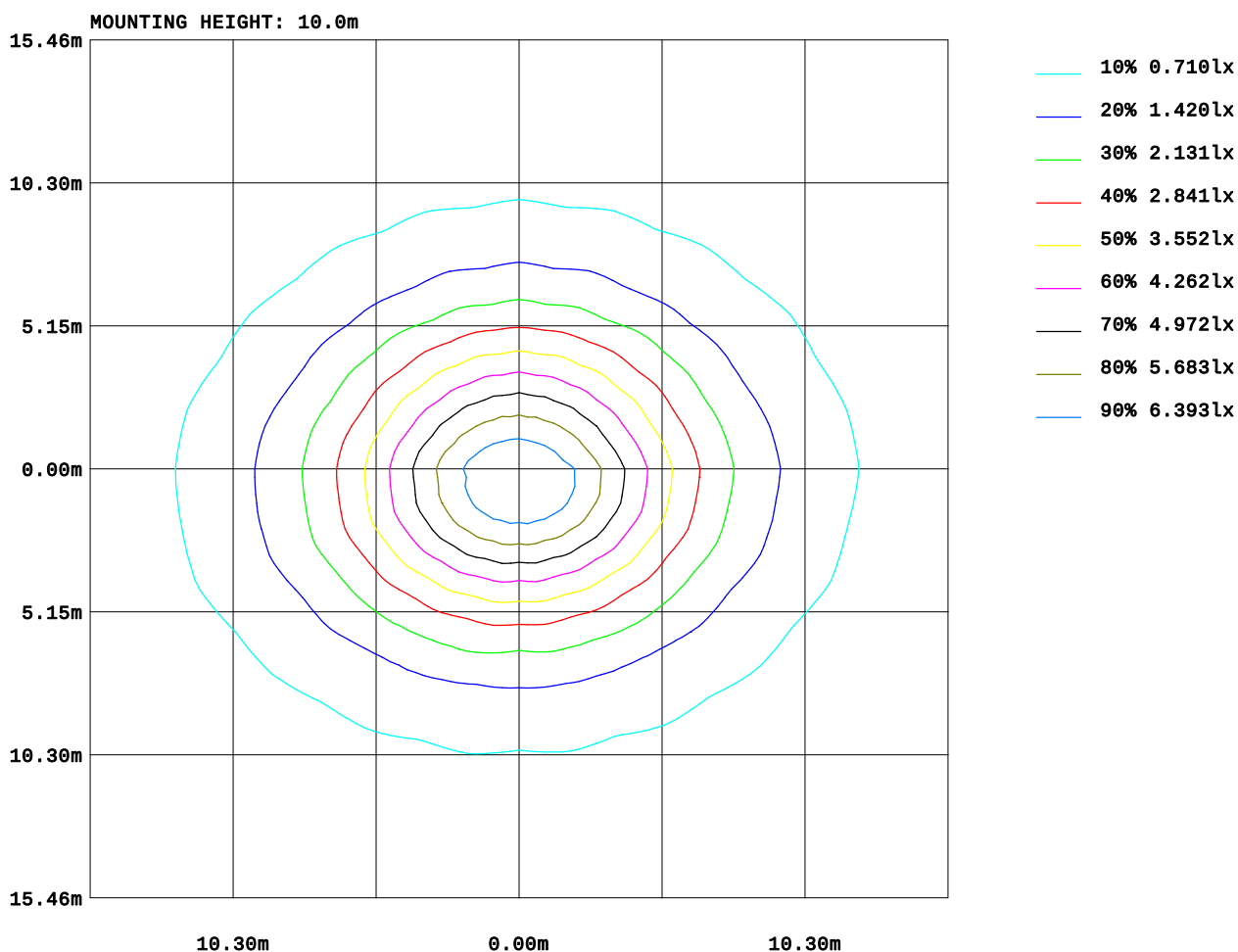
Test System:HOP00 HPG1600
Temperature:25.3DEG
Operators:
Test Date:2025年05月21日

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: 52527BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



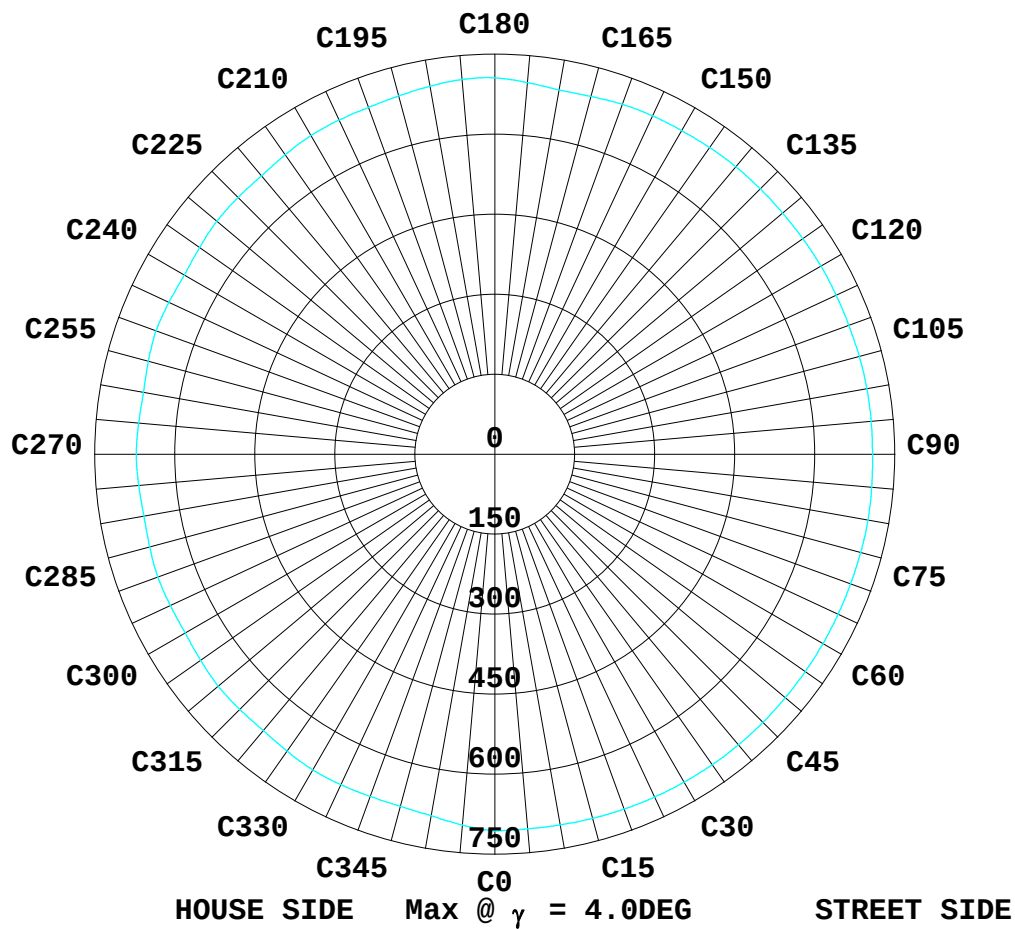
Test System:HOPPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2025年05月21日

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: 52527BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1600
Temperature:25.3DEG
Operators:
Test Date:2025年05月21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: 52527BK										TYPE:					WEIGHT:				
SPECIFICATION:					CCT(K): 0					DIMENSION:					SERIAL No.:				

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT: lm		Φ t	Φ a
	0.01	0.02	0.03	0.04	0.04	0.04	0.04	0.05	0.04	0.04	0.05	0.04	0.04	0.04	0.03	0.03	0.02	0.01	0.60	0.00		
90																						
80	0.01	0.02	0.05	0.09	0.11	0.16	0.17	0.20	0.21	0.21	0.21	0.18	0.17	0.12	0.10	0.05	0.02	0.01	2.09	0.00		
70	0.01	0.07	0.17	0.38	0.48	0.69	0.73	0.86	0.88	0.90	0.92	0.83	0.81	0.60	0.46	0.21	0.06	0.01	9.07	0.00		
60	0.01	0.15	0.45	0.99	1.40	1.95	2.21	2.60	2.71	2.75	2.74	2.42	2.17	1.57	1.07	0.47	0.13	0.01	25.8	17.7		
50	0.02	0.26	0.79	1.66	2.59	3.51	4.30	5.05	5.36	5.38	5.14	4.44	3.64	2.65	1.66	0.74	0.22	0.02	47.5	45.7		
40	0.02	0.35	1.12	2.27	3.84	5.25	6.81	7.96	8.65	8.66	8.02	6.91	5.36	3.87	2.24	1.04	0.31	0.02	72.7	71.7		
30	0.03	0.42	1.45	2.99	5.05	7.38	9.67	11.6	12.7	12.7	11.6	9.71	7.41	5.02	2.89	1.35	0.37	0.03	103	102		
	0.03	0.47	1.69	3.74	6.35	9.45	12.5	15.1	16.5	16.5	14.9	12.4	9.28	6.18	3.57	1.58	0.42	0.03	131	130		
	0.03	0.49	1.81	4.14	7.38	11.1	14.9	18.0	19.8	19.6	17.8	14.6	10.9	7.16	3.98	1.71	0.45	0.03	154	154		
	0.03	0.48	1.81	4.19	7.60	11.6	15.7	19.1	21.0	21.1	19.1	15.5	11.3	7.31	3.97	1.69	0.43	0.03	162	162		
	0.03	0.44	1.68	3.93	7.14	10.8	14.4	17.4	19.0	18.9	17.1	13.9	10.3	6.62	3.56	1.50	0.38	0.02	147	147		
-30	0.02	0.38	1.48	3.49	6.05	8.84	11.6	13.7	14.9	14.7	13.4	11.1	8.15	5.48	3.07	1.26	0.31	0.02	118	117		
-40	0.02	0.30	1.23	2.78	4.56	6.62	8.31	9.78	10.5	10.3	9.40	7.78	6.06	4.03	2.39	1.02	0.23	0.01	85.4	84.5		
-50	0.01	0.22	0.94	1.94	3.22	4.45	5.52	6.18	6.62	6.52	5.90	5.11	3.99	2.80	1.62	0.75	0.15	0.01	56.0	54.6		
-60	0.00	0.13	0.60	1.19	2.04	2.62	3.24	3.44	3.65	3.57	3.23	2.92	2.26	1.71	0.95	0.44	0.08	0.01	32.1	28.6		
-70	0.00	0.06	0.28	0.54	0.92	1.07	1.24	1.23	1.29	1.23	1.06	0.98	0.75	0.61	0.31	0.15	0.03	0.01	11.7	1.38		
-80	0.00	0.02	0.06	0.09	0.14	0.13	0.16	0.13	0.14	0.13	0.11	0.12	0.08	0.08	0.04	0.04	0.02	0.00	1.49	0.00		
-90	0.00	0.02	0.03	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.03	0.03	0.02	0.00	0.63	0.00		
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)					20	30	40	50	60	70	80	90	
Φ t	0.28	4.30	15.7	34.5	59.0	85.9	112	133	144	144	131	109	82.8	55.9	32.0	14.1	3.64	0.29	1172			
Φ a	0.00	1.04	12.9	31.9	56.5	83.2	109	130	142	141	128	107	80.3	53.4	29.3	10.9	0.53	0.00		1117		

Test System:HOPPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2025年05月21日

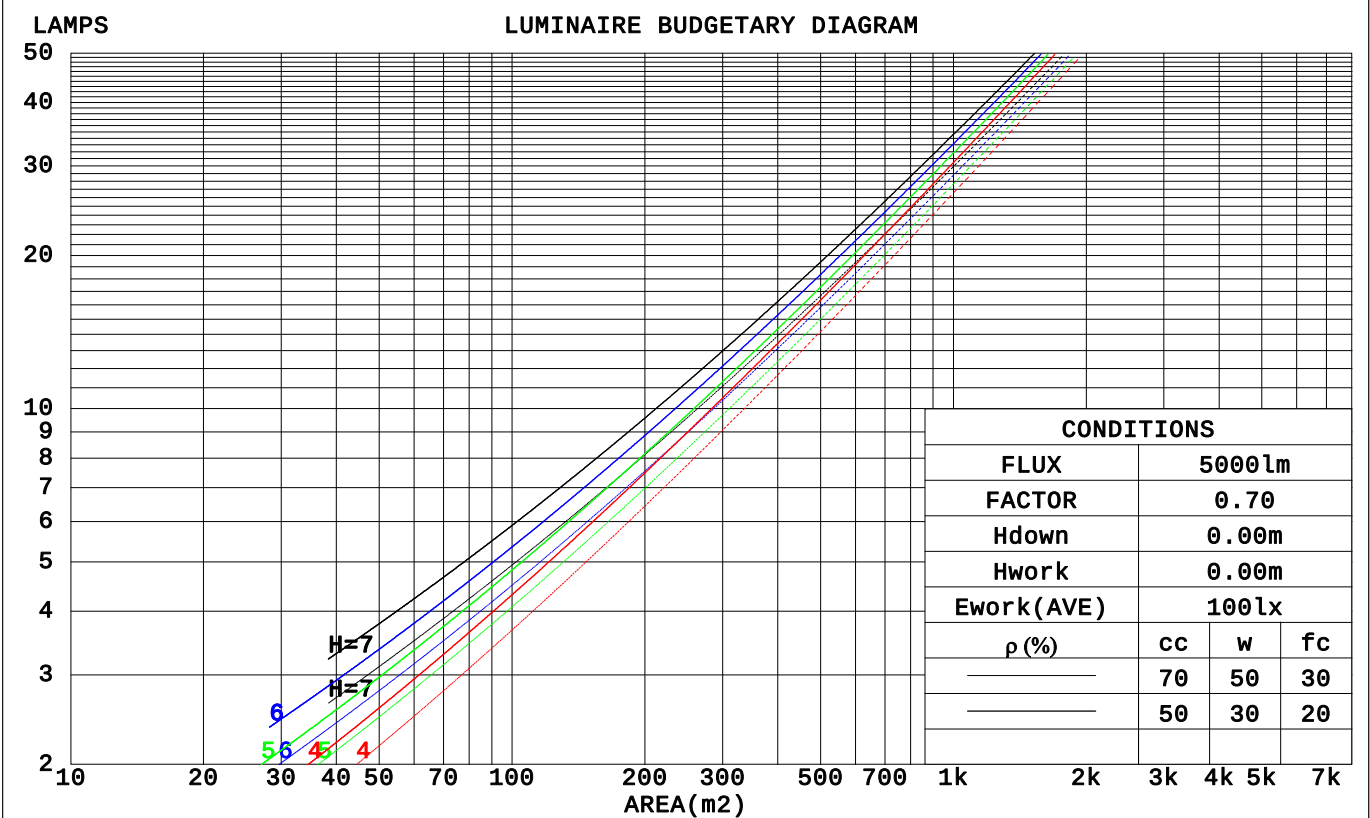
Test Set: 10.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:															
Address:															
NAME: 52527BK								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:HOP00 HPG1600
Temperature:25.3DEG
Operators:
Test Date:2025年05月21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: 52527BK						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	.243	.138	.044	.236	.135	.043	.223	.128	.041	.210	.121	.039	.199	.115	.037	
2.0	.236	.130	.040	.230	.127	.039	.218	.121	.038	.208	.117	.036	.198	.112	.035	
3.0	.224	.119	.036	.219	.117	.035	.209	.113	.034	.199	.109	.033	.190	.105	.033	
4.0	.211	.110	.032	.206	.108	.032	.197	.105	.031	.189	.101	.031	.181	.098	.030	
5.0	.198	.101	.029	.194	.100	.029	.186	.097	.029	.179	.094	.028	.172	.092	.028	
6.0	.187	.094	.027	.183	.092	.027	.176	.090	.026	.169	.088	.026	.163	.086	.025	
7.0	.176	.087	.025	.172	.086	.024	.166	.084	.024	.160	.082	.024	.154	.080	.024	
8.0	.166	.081	.023	.163	.080	.023	.157	.078	.022	.152	.077	.022	.147	.075	.022	
9.0	.157	.076	.021	.154	.075	.021	.149	.074	.021	.144	.072	.021	.139	.071	.020	
10.0	.148	.071	.020	.146	.071	.020	.141	.069	.020	.137	.068	.019	.133	.067	.019	

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	.197	.197	.197	.169	.169	.169	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.182	.163	.146	.156	.140	.126	.107	.097	.087	.061	.056	.051	.020	.018	.016	
2.0	.172	.139	.112	.147	.120	.096	.101	.083	.067	.058	.048	.039	.019	.016	.013	
3.0	.162	.121	.088	.139	.104	.076	.096	.072	.053	.055	.042	.031	.018	.014	.010	
4.0	.154	.107	.071	.132	.092	.062	.091	.064	.043	.053	.038	.026	.017	.012	.008	
5.0	.147	.096	.059	.126	.083	.051	.087	.058	.036	.050	.034	.021	.016	.011	.007	
6.0	.140	.088	.050	.120	.076	.043	.083	.053	.031	.048	.031	.018	.016	.010	.006	
7.0	.134	.081	.043	.115	.070	.038	.079	.049	.027	.046	.029	.016	.015	.009	.005	
8.0	.128	.075	.038	.110	.065	.033	.076	.045	.024	.044	.027	.014	.014	.009	.005	
9.0	.122	.070	.034	.105	.060	.030	.073	.042	.021	.042	.025	.013	.014	.008	.004	
10.0	.117	.065	.031	.101	.057	.027	.070	.040	.019	.041	.024	.011	.013	.008	.004	

Test System:HOPPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2025年05月21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: 52527BK					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		17.3	18.6	17.6	18.8	19.0	14.2	15.5	14.5	15.7	15.9
3H		18.2	19.4	18.5	19.6	19.9	14.2	15.4	14.5	15.6	15.8
4H		18.5	19.6	18.8	19.8	20.1	14.1	15.2	14.4	15.5	15.7
6H		18.5	19.6	18.8	19.8	20.1	14.0	15.0	14.3	15.3	15.6
8H		18.5	19.5	18.8	19.8	20.1	13.9	14.9	14.3	15.2	15.5
12H		18.4	19.4	18.8	19.7	20.0	13.9	14.9	14.2	15.2	15.5
4H 2H		17.4	18.5	17.7	18.7	19.0	14.7	15.8	15.0	16.1	16.3
3H		18.4	19.4	18.7	19.7	20.0	14.7	15.7	15.1	16.0	16.3
4H		18.7	19.6	19.1	19.9	20.2	14.6	15.5	15.0	15.8	16.2
6H		18.8	19.6	19.2	19.9	20.3	14.5	15.3	14.9	15.7	16.0
8H		18.8	19.5	19.2	19.9	20.3	14.5	15.2	14.9	15.6	16.0
12H		18.7	19.4	19.2	19.8	20.2	14.4	15.1	14.9	15.5	15.9
8H 4H		18.6	19.3	19.0	19.7	20.1	14.6	15.3	15.1	15.7	16.1
6H		18.7	19.3	19.1	19.7	20.1	14.6	15.1	15.0	15.6	16.0
8H		18.7	19.2	19.1	19.6	20.1	14.5	15.0	15.0	15.5	15.9
12H		18.6	19.1	19.1	19.5	20.0	14.5	14.9	15.0	15.4	15.9
12H 4H		18.5	19.2	19.0	19.6	20.0	14.6	15.2	15.0	15.6	16.1
6H		18.6	19.2	19.1	19.6	20.1	14.5	15.0	15.0	15.5	15.9
8H		18.6	19.1	19.1	19.5	20.0	14.5	14.9	15.0	15.4	15.9
Variations with the observer position at spacings:											
S = 1.0H		+ 0.3 / - 0.4					+ 1.0 / - 1.5				
1.5H		+ 0.5 / - 0.7					+ 0.3 / - 0.6				
2.0H		+ 1.2 / - 1.6					+ 1.2 / - 1.5				

CIE Pub.117 Corrected 1172 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.6)

Test System:HOPPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2025年05月21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: 52527BK		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) $k(RI) \times RCR = 5$									
$k = 0.60$	67	57	51	66	56	51	65	56	50	45
0.80	76	67	61	76	66	61	74	66	60	54
1.00	84	75	69	83	75	69	81	75	68	62
1.25	91	82	77	89	82	76	87	80	75	69
1.50	95	87	82	93	86	81	91	85	80	74
2.00	101	94	89	99	93	88	96	90	86	80
2.50	104	97	93	102	96	92	98	93	90	82
3.00	106	101	97	104	99	95	100	96	93	85
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	103	104	102	99	91
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25		

Test System:HOPPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2025年05月21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: 52527BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

UNIT: cd

C(DEG) γ (DEG)		0	10	20	30	40	50	60	70	80	90	100	110	120	130	140
0.0		710	709	706	705	703	704	699	701	698	700	697	698	696	697	696
5.0		704	704	708	709	711	709	710	709	710	708	707	706	706	705	704
10.0		684	687	694	693	697	692	692	687	689	685	688	685	691	688	691
15.0		655	656	666	659	662	649	650	637	641	633	642	639	652	651	662
20.0		617	617	625	612	611	591	589	570	575	565	578	574	596	598	618
25.0		569	569	573	554	545	521	514	497	500	491	503	503	524	534	559
30.0		518	513	516	487	477	447	443	421	427	415	431	428	455	462	496
35.0		463	456	454	421	409	397	372	345	354	340	359	355	386	401	430
40.0		404	399	389	352	340	307	292	278	282	271	287	288	297	326	363
45.0		348	331	327	288	279	244	240	214	222	208	227	224	254	263	296
50.0		291	274	269	232	222	189	186	163	169	157	174	171	200	208	245
55.0		232	217	211	181	171	143	139	119	122	113	127	128	151	160	192
60.0		181	163	160	131	127	101	97.0	78.1	85.2	77.0	88.2	85.1	110	117	145
65.0		133	117	116	91.2	89.0	66.0	58.6	37.7	41.2	33.1	45.5	46.0	72.6	78.5	104
70.0		89.0	76.0	75.4	57.4	52.3	27.4	22.0	11.0	14.8	9.30	16.5	14.5	30.5	43.2	68.0
75.0		52.7	39.7	42.5	22.7	17.1	4.40	6.70	0.60	4.90	0.20	5.10	1.30	9.50	9.50	30.5
80.0		23.5	13.4	13.5	1.20	4.90	0.00	4.30	0.20	4.20	0.00	4.20	0.00	4.60	0.00	6.80
85.0		5.60	0.10	4.80	0.10	3.80	0.00	3.40	0.00	3.30	0.00	3.00	0.00	3.70	0.00	4.40
90.0		5.10	0.00	4.30	0.00	3.50	0.00	3.20	0.00	2.70	0.00	2.50	0.00	3.40	0.00	3.40
95.0		4.20	0.00	3.40	0.00	3.20	0.00	2.60	0.00	2.50	0.00	2.70	0.00	3.10	0.00	3.50
100.0		3.90	0.00	3.50	0.00	2.80	0.00	2.50	0.00	1.90	0.00	2.30	0.00	2.50	0.00	3.00
105.0		3.70	0.10	3.20	0.20	2.90	0.10	2.40	0.00	1.90	0.00	2.30	0.00	2.40	0.00	2.60
110.0		3.50	0.30	3.10	0.00	2.60	0.20	2.20	0.20	2.10	0.00	2.00	0.00	2.00	0.00	2.80
115.0		3.40	0.20	2.80	0.30	2.40	0.40	1.90	0.30	1.90	0.00	1.90	0.10	2.10	0.00	2.50
120.0		3.50	0.50	2.80	0.30	2.00	0.50	2.10	0.30	2.30	0.20	1.90	0.10	2.10	0.00	2.20
125.0		3.60	0.40	2.80	0.70	2.10	0.00	1.80	0.00	1.50	0.50	2.20	0.00	2.10	0.40	2.50
130.0		3.40	1.20	2.40	0.50	2.40	0.40	2.00	0.40	2.00	0.00	2.20	0.30	2.20	0.60	2.60
135.0		3.30	1.20	2.40	0.70	2.40	0.70	2.00	0.40	1.70	0.90	2.40	0.00	2.40	0.30	2.40
140.0		3.30	1.80	2.90	1.00	2.20	0.90	2.30	0.80	2.00	1.10	1.80	0.40	2.20	0.90	2.20
145.0		3.40	1.30	2.70	1.40	2.30	1.50	1.90	1.00	1.80	1.10	1.90	0.90	2.30	0.80	2.50
150.0		3.40	1.80	3.00	1.10	2.70	1.10	2.70	1.10	2.70	1.00	2.20	0.90	2.10	1.20	2.80
155.0		3.80	2.00	2.70	1.40	2.40	1.50	2.20	1.40	2.20	1.30	2.10	0.90	2.30	1.30	2.70
160.0		2.90	2.00	3.20	1.80	2.60	1.70	2.50	1.50	2.80	1.30	2.80	1.20	2.50	1.50	2.50
165.0		3.40	2.10	3.20	1.50	3.10	1.40	2.50	1.80	2.90	1.50	2.90	1.50	2.80	1.20	2.60
170.0		3.60	2.10	3.00	2.30	3.10	2.10	2.30	2.20	3.00	1.60	2.80	1.50	2.90	1.40	2.90
175.0		3.60	2.30	3.10	2.00	3.00	1.90	3.10	2.10	2.80	2.00	2.30	2.20	3.30	1.80	3.30
180.0		3.80	2.40	3.30	2.20	2.90	2.00	2.70	2.30	2.40	2.30	2.90	1.80	2.80	2.20	3.10

Test System:HOPPO0 HPG1600
Temperature:25.3DEG
Operators:
Test Date:2025年05月21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: 52527BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

UNIT: cd

C(DEG) γ (DEG)	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290
0.0	696	694	695	710	709	706	705	703	704	699	701	698	700	697	698
5.0	700	698	693	704	698	688	684	675	673	665	666	660	662	659	663
10.0	688	687	678	686	675	656	650	632	628	614	617	607	611	606	614
15.0	659	665	653	657	643	616	607	583	580	561	564	551	559	550	562
20.0	618	629	617	619	600	570	556	531	523	504	503	490	496	489	500
25.0	568	583	574	572	553	516	503	472	463	437	437	420	428	420	437
30.0	507	532	523	523	502	463	447	411	400	396	370	349	361	348	370
35.0	445	475	470	469	449	407	389	347	338	305	295	286	291	287	296
40.0	395	415	413	411	392	346	329	285	276	244	246	226	236	227	247
45.0	316	356	351	353	337	292	274	232	223	192	193	174	184	175	195
50.0	259	295	295	298	283	241	223	185	176	147	147	130	139	131	150
55.0	206	238	239	239	230	191	177	142	133	108	105	85.7	94.3	89.2	111
60.0	153	185	183	188	180	147	136	107	95.8	65.4	62.3	47.7	55.0	50.0	68.3
65.0	110	136	135	141	136	107	100	68.8	56.5	34.4	34.5	25.0	31.0	25.9	38.2
70.0	72.0	92.0	91.2	97.5	94.5	74.1	63.3	34.5	28.7	16.4	19.0	12.4	16.9	13.0	20.4
75.0	38.2	54.9	51.4	57.7	59.7	40.4	30.5	12.1	14.1	6.00	9.90	4.50	8.50	4.40	9.70
80.0	7.50	24.6	20.5	26.6	30.5	11.9	10.9	2.40	5.50	0.10	3.80	0.00	3.20	0.00	4.00
85.0	0.00	4.50	0.70	4.60	8.00	0.80	4.20	0.00	3.30	0.00	3.30	0.00	2.70	0.00	3.20
90.0	0.00	4.20	0.00	0.70	4.50	0.00	4.00	0.00	3.20	0.00	2.90	0.00	2.60	0.00	3.00
95.0	0.00	3.80	0.00	1.00	4.00	0.00	3.10	0.00	2.70	0.00	2.40	0.00	2.30	0.00	2.60
100.0	0.00	3.20	0.00	1.00	3.60	0.20	3.10	0.00	2.30	0.00	2.40	0.10	2.10	0.00	2.30
105.0	0.00	3.00	0.20	1.10	3.20	0.30	3.10	0.00	2.00	0.00	1.90	0.00	1.90	0.00	2.10
110.0	0.00	3.00	0.00	1.10	3.30	0.10	2.70	0.00	2.20	0.20	2.10	0.00	1.90	0.00	2.00
115.0	0.00	2.90	0.00	1.20	3.10	0.40	2.90	0.20	2.40	0.00	2.00	0.00	1.50	0.00	2.40
120.0	0.40	2.70	0.30	1.50	3.00	0.80	2.10	0.20	1.90	0.20	2.30	0.10	2.20	0.00	1.90
125.0	0.70	2.50	0.50	1.70	3.20	1.20	2.40	0.60	2.20	0.60	2.10	0.00	2.10	0.40	2.00
130.0	0.40	2.60	0.70	1.80	3.40	0.80	2.80	0.80	2.00	0.80	2.10	0.60	2.20	0.70	2.10
135.0	0.80	2.60	0.80	2.00	2.70	1.30	2.90	1.10	2.70	0.60	2.20	1.10	1.80	0.60	2.20
140.0	1.20	2.70	0.70	2.30	2.70	1.30	3.10	1.40	2.40	1.00	2.60	1.20	2.30	1.10	2.30
145.0	1.20	2.70	1.20	2.60	3.00	1.50	2.90	1.50	2.90	1.40	2.40	1.20	2.40	0.80	2.90
150.0	1.20	3.00	1.20	2.60	3.00	1.70	3.30	1.30	2.90	1.50	2.80	1.30	2.80	1.30	2.60
155.0	1.90	3.20	1.60	2.90	3.20	2.00	3.00	1.60	2.80	1.90	2.90	1.60	2.80	1.60	2.60
160.0	1.90	3.00	1.70	2.90	3.30	2.30	3.20	1.80	2.90	1.70	2.70	1.90	2.70	1.90	3.00
165.0	1.90	3.30	1.90	2.60	3.10	2.20	2.90	1.70	3.10	2.40	2.80	2.10	3.00	2.00	2.90
170.0	1.80	3.20	2.00	2.90	3.20	2.00	3.40	1.90	2.50	2.40	2.90	1.90	3.30	2.00	2.70
175.0	1.60	3.10	2.10	3.70	3.20	2.10	2.80	2.00	3.00	2.10	2.80	2.40	2.80	2.10	3.20
180.0	2.00	3.00	2.10	3.90	3.30	2.40	2.50	2.40	2.90	2.40	2.70	2.10	2.80	1.90	2.60

Test System:HOPPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2025年05月21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: 52527BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

UNIT: cd

C(DEG) γ (DEG)	300	310	320	330	340	350
0.0	696	697	696	696	694	695
5.0	663	668	669	676	679	684
10.0	612	625	628	643	649	662
15.0	559	576	580	601	609	630
20.0	502	519	526	549	562	587
25.0	437	462	469	496	510	540
30.0	398	400	411	442	456	490
35.0	307	339	349	387	401	437
40.0	248	278	290	329	341	380
45.0	197	227	237	276	288	326
50.0	152	181	190	226	238	273
55.0	113	138	147	179	187	219
60.0	74.9	105	111	137	144	170
65.0	40.7	65.8	79.1	102	105	127
70.0	19.0	33.5	43.7	69.0	70.9	86.5
75.0	6.80	14.9	16.1	36.3	40.2	52.9
80.0	0.20	5.90	3.00	12.4	14.4	25.4
85.0	0.00	3.10	0.00	4.10	0.30	5.90
90.0	0.00	3.10	0.00	3.60	0.00	3.80
95.0	0.00	2.90	0.00	3.20	0.00	3.50
100.0	0.00	2.20	0.00	3.20	0.10	3.20
105.0	0.10	2.40	0.10	2.80	0.00	3.30
110.0	0.00	2.00	0.30	2.80	0.00	3.10
115.0	0.20	2.10	0.20	2.70	0.40	3.00
120.0	0.40	2.00	0.50	2.70	0.30	3.00
125.0	0.50	2.60	0.10	3.00	0.70	2.70
130.0	0.60	2.30	0.30	2.60	0.80	2.80
135.0	0.70	2.40	1.20	3.00	0.60	2.70
140.0	1.10	2.80	1.00	2.80	1.20	3.40
145.0	1.40	2.60	1.10	3.00	1.50	3.00
150.0	1.40	2.50	1.70	2.80	1.40	2.90
155.0	1.70	2.80	1.70	3.00	1.80	3.00
160.0	1.90	2.90	1.90	3.20	1.60	2.80
165.0	1.80	2.70	2.00	2.90	1.90	3.20
170.0	1.90	3.10	1.90	3.00	2.20	3.20
175.0	1.90	3.10	1.70	3.00	2.30	3.40
180.0	2.40	2.60	2.50	2.60	2.30	2.90

Test System:HOPPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2025年05月21日

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