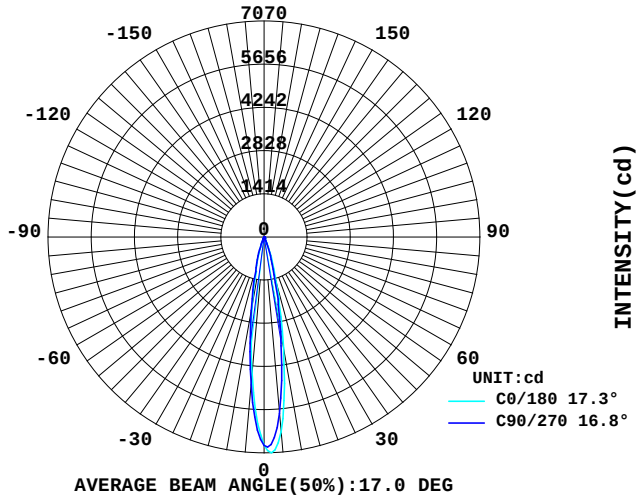
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

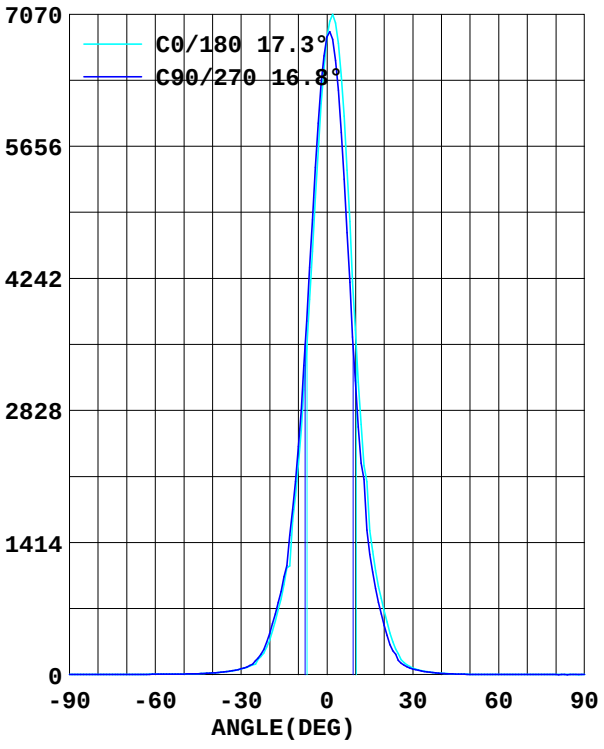
MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251134	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	7070	S/MH(C0/180)	0.25
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.27
NOMINAL POWER(W)	16	TOTAL FLUX(lm)	916.62	Voltage(V)	23.41
RATED VOLTAGE(V)	23	EFFICIENCY(lm/W)	60.7	Current(A)	0.644
NOMINAL FLUX(lm)	916.6	η up(%)	0.9	Power(W)	15.09
LAMPS QUANTITY	1	η down(%)	99.1	Power Factor(PF)	1.000
TEST VOLTAGE(V)	23.4	Effictive Flux(lm)	755.1	EEI	0.247

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



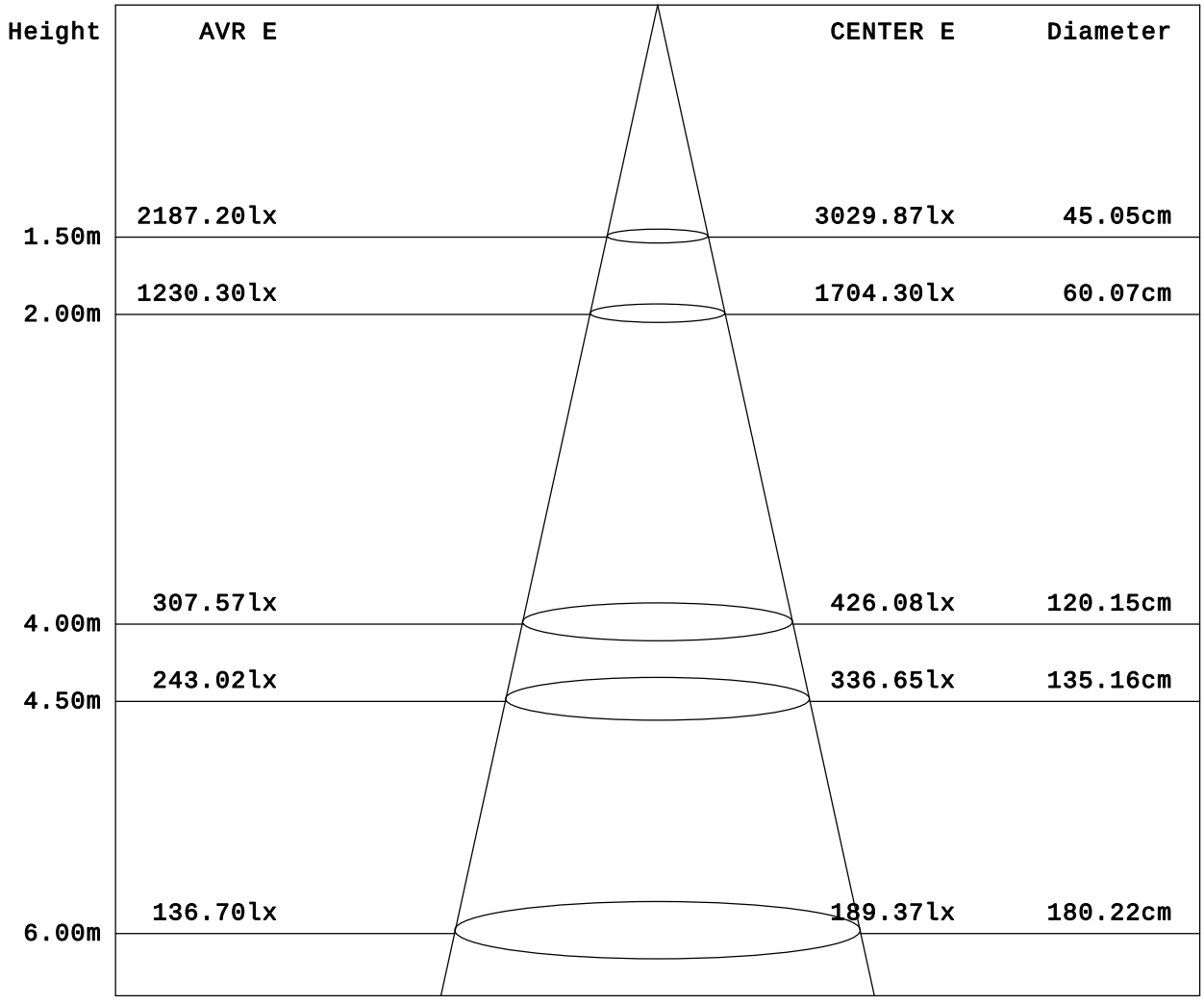
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月09日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251134	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Angle:17.1deg

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月09日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251134	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	4533	4452	4868	5546	6406	6446	5802	5211	0- 5	145.5	145.5
10.0	2249	2134	2442	2875	3690	3647	3143	2700	5- 10	284.2	429.7
15.0	964.5	896.1	1047	1205	1541	1616	1288	1136	10- 15	224.4	654.1
20.0	366.4	343.3	436.9	533.9	678.9	675.7	524.3	459.8	15- 20	132.5	786.7
25.0	112.0	105.4	147.9	147.4	223.2	212.5	151.1	156.5	20- 25	62.02	848.7
30.0	59.72	48.91	61.86	58.00	71.16	79.70	60.27	64.96	25- 30	24.78	873.5
35.0	32.10	23.97	32.86	27.62	31.55	38.44	29.27	34.03	30- 35	13.23	886.7
40.0	17.70	11.16	17.77	12.19	14.26	19.77	13.64	20.04	35- 40	7.514	894.3
45.0	9.851	5.166	9.989	5.648	6.613	11.02	6.200	11.84	40- 45	4.271	898.5
50.0	6.268	2.342	6.337	2.548	3.306	7.026	3.031	7.233	45- 50	2.561	901.1
55.0	4.684	1.377	4.753	1.446	1.653	5.097	1.584	5.235	50- 55	1.723	902.8
60.0	3.788	0.896	3.651	0.551	0.827	3.926	0.896	3.444	55- 60	1.242	904.1
65.0	3.168	0.620	3.031	0.344	0.827	3.237	0.620	3.100	60- 65	1.002	905.1
70.0	2.686	0.482	2.686	0.344	0.482	2.824	0.413	2.686	65- 70	0.855	905.9
75.0	2.411	0.276	2.273	0.207	0.207	2.480	0.276	2.411	70- 75	0.749	906.7
80.0	2.135	0.276	2.066	0.138	0.413	2.204	0.207	2.135	75- 80	0.652	907.3
85.0	1.997	0.207	1.653	0.207	0.069	1.997	0.207	1.860	80- 85	0.591	907.9
90.0	1.722	0.138	1.653	0	0.344	1.515	0.138	1.722	85- 90	0.522	908.4
95.0	1.653	0.138	1.584	0.069	0.344	1.446	0.138	1.584	90- 95	0.481	908.9
100.0	1.240	0.138	1.515	0.069	0.344	1.584	0.069	1.515	95-100	0.447	909.4
105.0	1.446	0.207	1.446	0.138	0.413	1.377	0.138	1.377	100-105	0.428	909.8
110.0	1.102	0	1.240	0.138	0.413	1.308	0	1.308	105-110	0.392	910.2
115.0	1.240	0.207	1.240	0.138	0.482	1.240	0.207	1.240	110-115	0.373	910.5
120.0	1.033	0.276	1.171	0.138	0.482	1.171	0.138	1.240	115-120	0.351	910.9
125.0	1.171	0.276	1.102	0.138	0.551	0.827	0.207	1.171	120-125	0.323	911.2
130.0	1.102	0.276	1.102	0.276	0.551	1.102	0.276	1.102	125-130	0.299	911.5
135.0	1.171	0.413	1.033	0.344	0.620	1.171	0.138	1.033	130-135	0.277	911.8
140.0	1.308	0.620	1.171	0.276	0.896	1.240	0.689	1.377	135-140	0.302	912.1
145.0	1.722	1.240	1.515	0.896	1.308	1.653	0.896	1.860	140-145	0.369	912.5
150.0	2.686	1.997	2.204	1.653	2.204	2.411	2.066	2.893	145-150	0.523	913.0
155.0	3.720	3.513	3.375	2.617	3.444	3.720	3.237	4.202	150-155	0.714	913.7
160.0	4.891	4.684	4.271	4.064	4.684	4.753	4.615	5.304	155-160	0.858	914.6
165.0	5.235	5.235	5.235	4.960	5.648	5.924	5.373	5.993	160-165	0.838	915.4
170.0	5.717	5.166	5.511	4.891	5.993	6.062	5.717	5.924	165-170	0.658	916.1
175.0	5.373	4.891	5.304	4.891	5.924	5.786	5.511	5.442	170-175	0.396	916.5
180.0	5.442	5.166	5.511	4.822	5.717	5.373	5.235	5.097	175-180	0.128	916.6
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月09日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

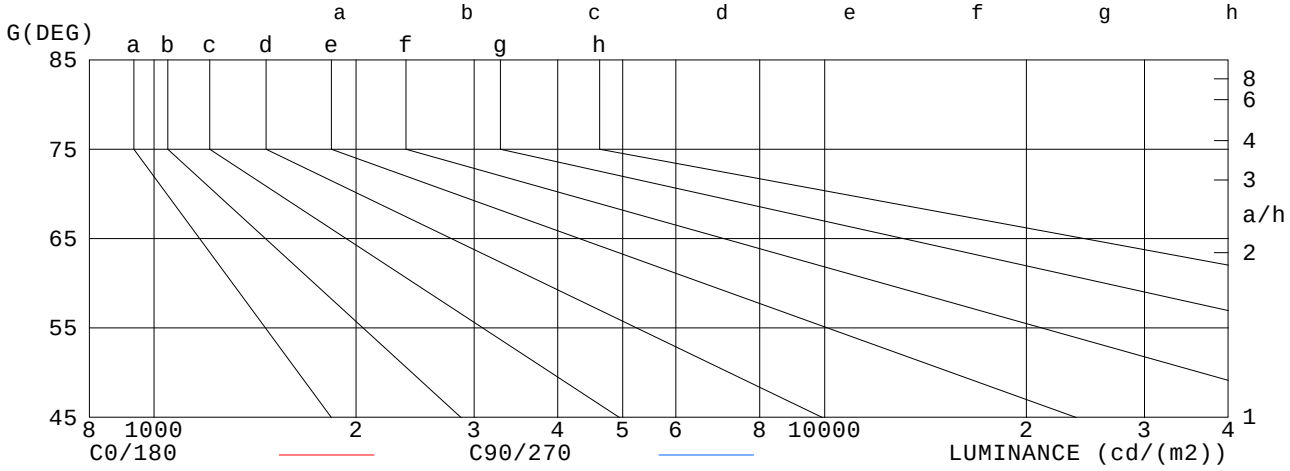
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251134	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	229	190
80	123	119
75	93	88
70	79	79
65	75	72
60	76	73
55	82	83
50	98	99
45	139	141

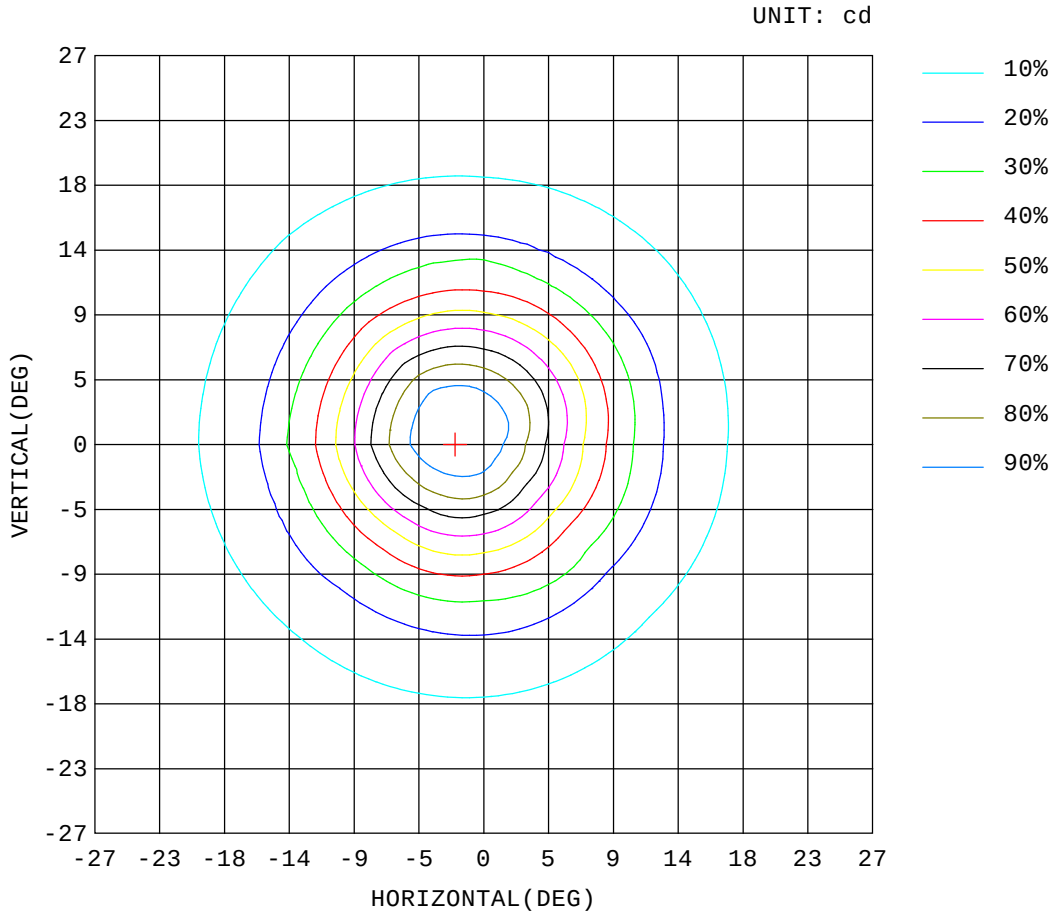
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月09日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251134	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



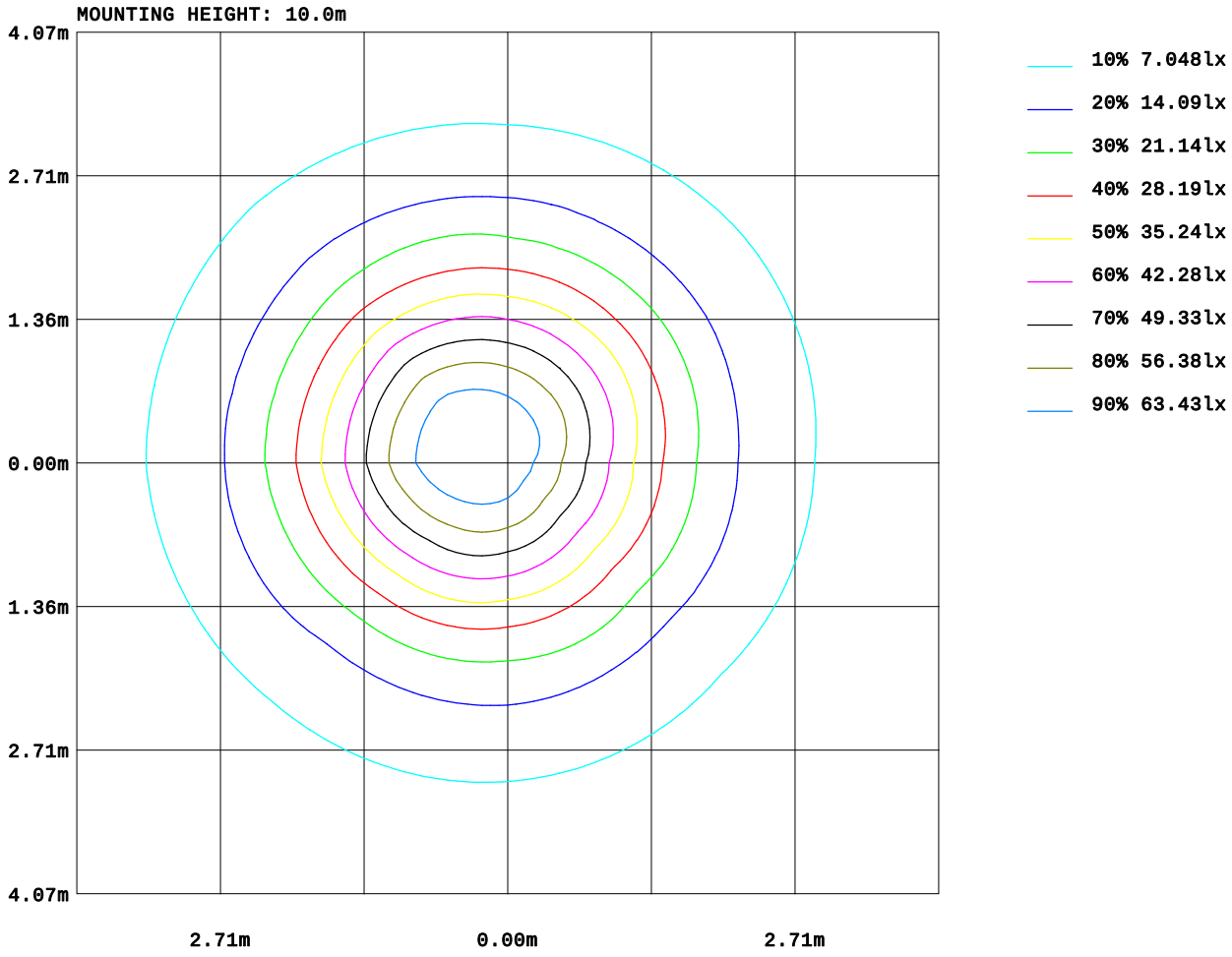
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月09日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251134	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月09日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251134	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-27	-24	-21	-18	-15	-12	-9	-6	6	9	12	15	18	21	24	27	Φ t	Φ a
27	0.09	0.12	0.16	0.20	0.24	0.29	0.34	0.38	0.40	0.39	0.35	0.31	0.26	0.21	0.17	0.13	0.10	0.08	4.21	0.00
24	0.12	0.16	0.22	0.29	0.41	0.56	0.70	0.80	0.83	0.80	0.72	0.59	0.45	0.33	0.24	0.18	0.14	0.10	7.65	0.00
21	0.15	0.22	0.32	0.52	0.78	1.08	1.37	1.57	1.63	1.57	1.40	1.12	0.82	0.57	0.37	0.25	0.18	0.13	14.0	1.09
18	0.19	0.29	0.52	0.89	1.38	1.90	2.35	2.65	2.80	2.71	2.41	1.97	1.46	0.96	0.60	0.36	0.23	0.16	23.8	14.9
15	0.24	0.42	0.80	1.40	2.16	2.87	3.71	4.57	4.96	4.71	3.92	3.00	2.26	1.53	0.91	0.52	0.29	0.19	38.5	32.0
12	0.30	0.59	1.14	1.96	2.92	4.39	6.13	7.49	8.05	7.61	6.39	4.68	3.06	2.14	1.29	0.70	0.38	0.22	59.5	53.7
9	0.37	0.77	1.49	2.48	3.90	6.26	9.07	11.4	12.4	11.5	9.37	6.71	4.25	2.65	1.66	0.89	0.47	0.25	86.1	80.8
	0.43	0.92	1.76	2.88	4.95	7.94	11.9	15.6	16.7	15.4	12.2	8.44	5.33	3.04	1.91	1.04	0.53	0.27	111	106
	0.47	1.00	1.91	3.16	5.57	9.03	13.6	17.6	19.0	17.3	13.4	9.10	5.73	3.23	2.01	1.10	0.56	0.29	124	120
	0.46	0.99	1.87	3.10	5.38	8.67	12.9	16.6	17.9	16.2	12.5	8.59	5.51	3.12	1.95	1.06	0.54	0.28	118	113
	0.41	0.86	1.65	2.72	4.47	7.01	10.2	13.0	14.3	13.1	10.1	7.17	4.78	2.79	1.76	0.95	0.49	0.26	96.3	91.2
-9	0.33	0.70	1.34	2.21	3.39	5.07	7.13	9.05	9.90	9.22	7.40	5.51	3.52	2.32	1.44	0.77	0.40	0.23	69.9	64.3
-12	0.26	0.51	0.98	1.67	2.46	3.42	4.62	5.78	6.27	5.97	5.07	3.65	2.53	1.74	1.05	0.58	0.31	0.20	47.1	40.9
-15	0.20	0.35	0.65	1.12	1.72	2.34	2.95	3.46	3.72	3.56	3.06	2.42	1.79	1.17	0.70	0.39	0.24	0.16	30.0	22.7
-18	0.15	0.24	0.40	0.68	1.06	1.51	1.91	2.19	2.30	2.22	1.96	1.58	1.13	0.72	0.42	0.27	0.18	0.13	19.0	8.29
-21	0.12	0.17	0.24	0.38	0.60	0.84	1.09	1.28	1.36	1.30	1.13	0.89	0.63	0.41	0.27	0.19	0.14	0.10	11.1	0.00
-24	0.09	0.12	0.17	0.23	0.32	0.45	0.57	0.65	0.69	0.66	0.58	0.47	0.35	0.26	0.19	0.14	0.10	0.08	6.10	0.00
-27	0.06	0.09	0.12	0.16	0.20	0.24	0.29	0.34	0.36	0.35	0.32	0.27	0.22	0.17	0.14	0.10	0.08	0.06	3.56	0.00
HORIZONTAL(DEG)																				
Φ t	4.45	8.53	15.7	26.0	41.9	63.9	91.0	115	124	115	92.5	66.5	44.1	27.4	17.1	9.63	5.35	3.17	917	
Φ a	0.00	0.00	4.11	18.0	35.7	58.2	85.4	109	119	110	87.0	60.7	37.5	19.6	5.19	0.00	0.00	0.00		755

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月09日

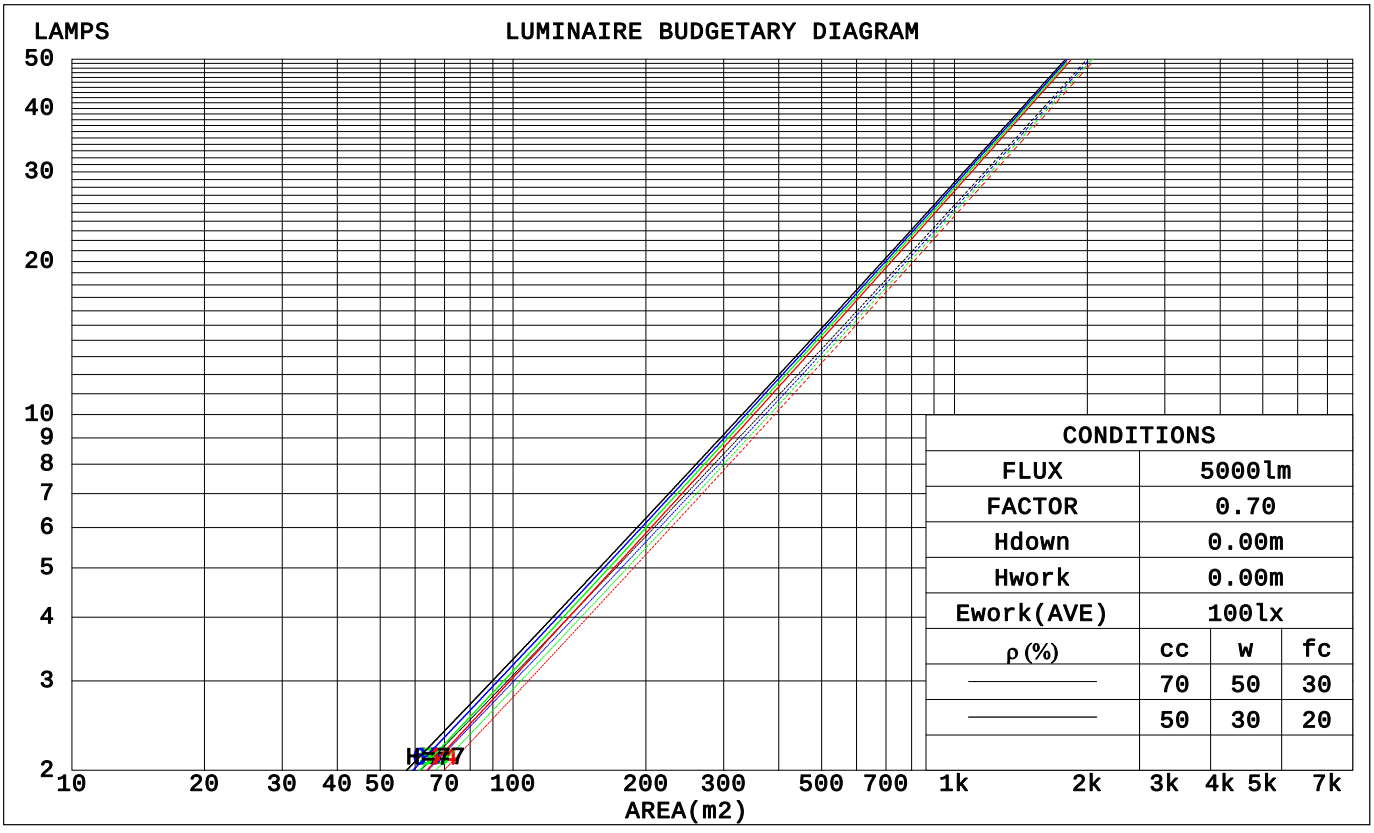
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251134	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	1.13	1.11	1.10	1.11	1.09	1.08	1.07	1.05	1.04	1.03	1.02	1.01	.99	.99	.98	.96
2.0	1.08	1.05	1.03	1.06	1.04	1.02	1.03	1.01	.99	1.00	.99	.97	.97	.96	.95	.94
3.0	1.04	1.01	.98	1.03	.00	.97	1.00	.98	.96	.98	.96	.94	.96	.94	.93	.91
4.0	1.01	.97	.94	.99	.96	.94	.97	.95	.92	.95	.93	.91	.94	.92	.90	.89
5.0	.97	.94	.91	.97	.93	.90	.95	.92	.90	.93	.91	.89	.92	.90	.88	.87
6.0	.95	.91	.88	.94	.90	.88	.93	.89	.87	.91	.89	.87	.90	.88	.86	.85
7.0	.92	.88	.86	.91	.88	.85	.90	.87	.85	.89	.87	.85	.88	.86	.84	.83
8.0	.90	.86	.84	.89	.86	.83	.88	.85	.83	.87	.85	.83	.87	.84	.82	.81
9.0	.88	.84	.82	.87	.84	.81	.86	.83	.81	.86	.83	.81	.85	.82	.81	.80
10.0	.86	.82	.80	.85	.82	.80	.85	.82	.79	.84	.81	.79	.83	.81	.79	.78



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月09日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

WEC AND CCEC

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251134	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.130	.074	.024	.124	.071	.022	.111	.064	.020	.099	.057	.018	.088	.051	.016	
2.0	.119	.065	.020	.114	.063	.019	.103	.057	.018	.093	.052	.016	.084	.048	.015	
3.0	.110	.059	.018	.106	.057	.017	.097	.052	.016	.088	.048	.015	.081	.045	.014	
4.0	.102	.053	.016	.099	.052	.015	.091	.048	.014	.084	.045	.014	.078	.042	.013	
5.0	.096	.049	.014	.092	.047	.014	.086	.045	.013	.080	.042	.013	.075	.040	.012	
6.0	.090	.045	.013	.087	.044	.013	.082	.042	.012	.077	.040	.012	.072	.038	.011	
7.0	.085	.042	.012	.083	.041	.012	.078	.039	.011	.073	.038	.011	.069	.036	.011	
8.0	.081	.039	.011	.079	.039	.011	.074	.037	.011	.070	.036	.010	.067	.034	.010	
9.0	.077	.037	.010	.075	.037	.010	.071	.035	.010	.068	.034	.010	.065	.033	.009	
10.0	.073	.035	.010	.072	.035	.010	.068	.034	.009	.065	.032	.009	.062	.031	.009	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.175	.165	.155	.150	.141	.134	.102	.097	.092	.059	.056	.054	.019	.018	.017	
2.0	.156	.140	.126	.134	.120	.109	.092	.083	.076	.053	.048	.044	.017	.016	.014	
3.0	.141	.120	.104	.121	.104	.090	.083	.072	.063	.048	.042	.037	.015	.014	.012	
4.0	.128	.105	.087	.110	.090	.076	.075	.063	.053	.044	.037	.032	.014	.012	.010	
5.0	.117	.092	.074	.100	.080	.065	.069	.056	.046	.040	.033	.027	.013	.011	.009	
6.0	.107	.082	.064	.092	.071	.056	.064	.050	.039	.037	.029	.023	.012	.010	.008	
7.0	.100	.074	.056	.086	.064	.049	.059	.045	.034	.034	.026	.020	.011	.009	.007	
8.0	.093	.067	.049	.080	.058	.043	.055	.041	.030	.032	.024	.018	.010	.008	.006	
9.0	.087	.061	.044	.075	.053	.038	.052	.037	.027	.030	.022	.016	.010	.007	.005	
10.0	.082	.056	.039	.070	.049	.034	.049	.034	.024	.029	.020	.015	.009	.007	.005	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月09日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

Uncorrected UGR Table

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251134	TYPE:	WEIGHT:
SPECIFICATION:	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	-6.6	-6.0	-6.4	-5.8	-5.7	-6.6	-6.0	-6.4	-5.8	-5.7
3H	-5.8	-5.2	-5.5	-5.0	-4.8	-5.8	-5.3	-5.6	-5.1	-4.9
4H	-5.2	-4.7	-4.9	-4.5	-4.2	-5.2	-4.7	-5.0	-4.5	-4.3
6H	-4.3	-3.8	-4.0	-3.6	-3.3	-4.3	-3.8	-4.1	-3.6	-3.4
8H	-3.7	-3.2	-3.4	-2.9	-2.7	-3.7	-3.3	-3.4	-3.0	-2.7
12H	-2.8	-2.3	-2.5	-2.1	-1.8	-3.0	-2.6	-2.7	-2.3	-2.0
4H 2H	-6.7	-6.2	-6.5	-6.0	-5.8	-6.7	-6.2	-6.4	-6.0	-5.7
3H	-5.8	-5.4	-5.5	-5.1	-4.8	-5.9	-5.4	-5.6	-5.2	-4.9
4H	-5.1	-4.7	-4.8	-4.4	-4.1	-5.2	-4.7	-4.8	-4.4	-4.1
6H	-4.0	-3.6	-3.6	-3.3	-2.9	-4.0	-3.6	-3.6	-3.3	-2.9
8H	-3.2	-2.8	-2.8	-2.4	-2.1	-3.2	-2.9	-2.8	-2.5	-2.1
12H	-2.0	-1.7	-1.6	-1.3	-0.9	-2.3	-1.9	-1.9	-1.6	-1.2
8H 4H	-5.2	-4.9	-4.8	-4.5	-4.1	-5.3	-4.9	-4.9	-4.5	-4.2
6H	-4.0	-3.7	-3.5	-3.2	-2.8	-4.0	-3.7	-3.6	-3.3	-2.9
8H	-3.0	-2.7	-2.5	-2.3	-1.8	-3.1	-2.8	-2.6	-2.4	-1.9
12H	-1.6	-1.3	-1.1	-0.9	-0.4	-1.9	-1.6	-1.4	-1.2	-0.7
12H 4H	-5.2	-4.9	-4.8	-4.5	-4.1	-5.3	-5.0	-4.9	-4.6	-4.2
6H	-4.0	-3.7	-3.5	-3.3	-2.8	-4.0	-3.7	-3.6	-3.3	-2.9
8H	-3.0	-2.8	-2.5	-2.3	-1.8	-3.1	-2.8	-2.6	-2.4	-1.9
Variations with the observer position at spacings:										
S = 1.0H	+ 1.1 / - 0.7					+ 1.2 / - 0.8				
1.5H	+ 2.2 / - 1.0					+ 2.3 / - 1.0				
2.0H	+ 1.4 / - 1.2					+ 1.6 / - 1.0				

CIE Pub.117 Corrected 916.6 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.3)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月09日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251134	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	90	84	81	90	84	81	89	84	81	77
0.80	97	92	88	96	91	88	95	91	88	84
1.00	101	96	92	100	95	92	98	95	92	88
1.25	104	100	97	103	99	96	101	98	95	91
1.50	107	103	100	106	102	99	103	100	98	93
2.00	109	105	102	108	104	102	105	102	100	95
2.50	111	107	104	109	106	103	106	103	101	96
3.00	112	109	106	110	107	105	107	105	103	96
4.00	114	111	109	112	110	108	108	107	105	98
5.00	115	113	112	113	111	110	109	108	107	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

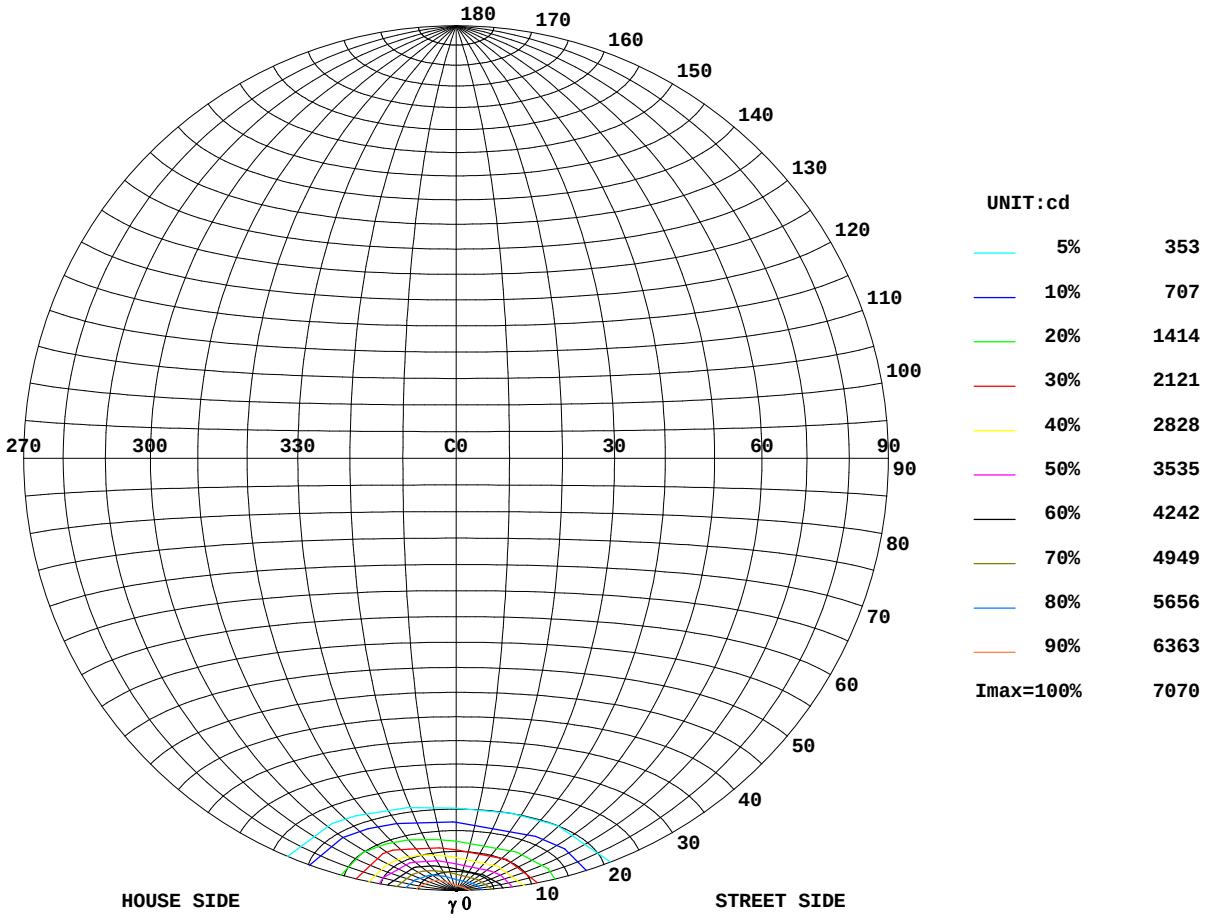
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月09日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251134	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



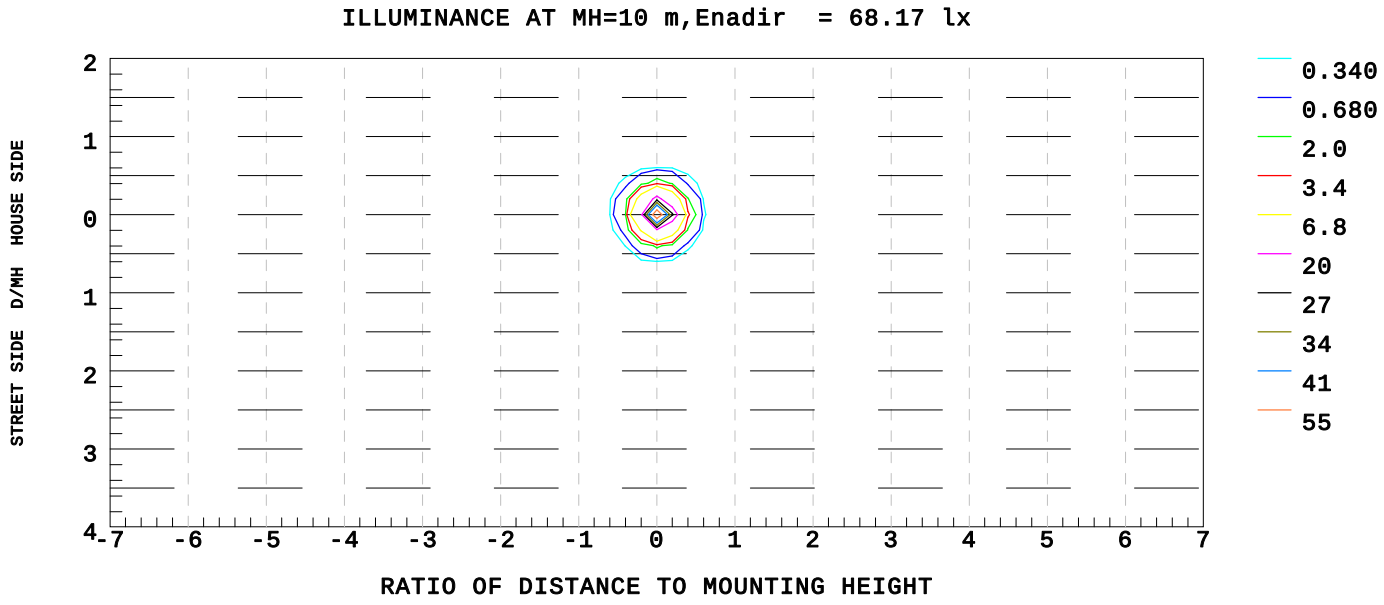
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月09日

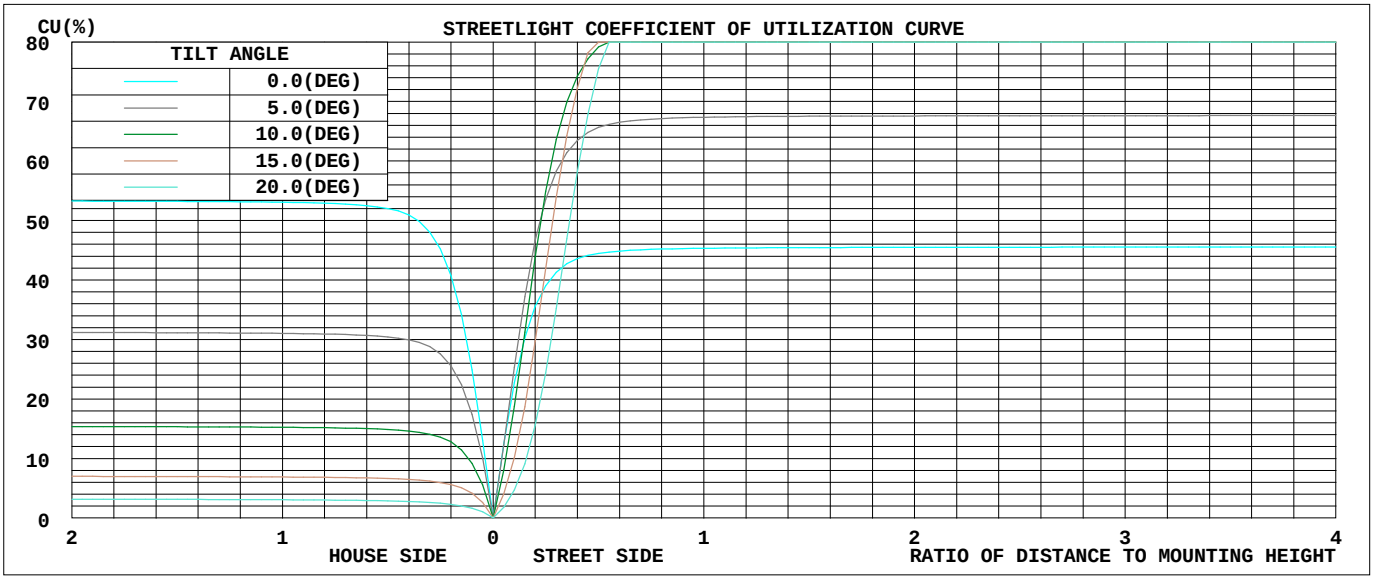
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251134	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:





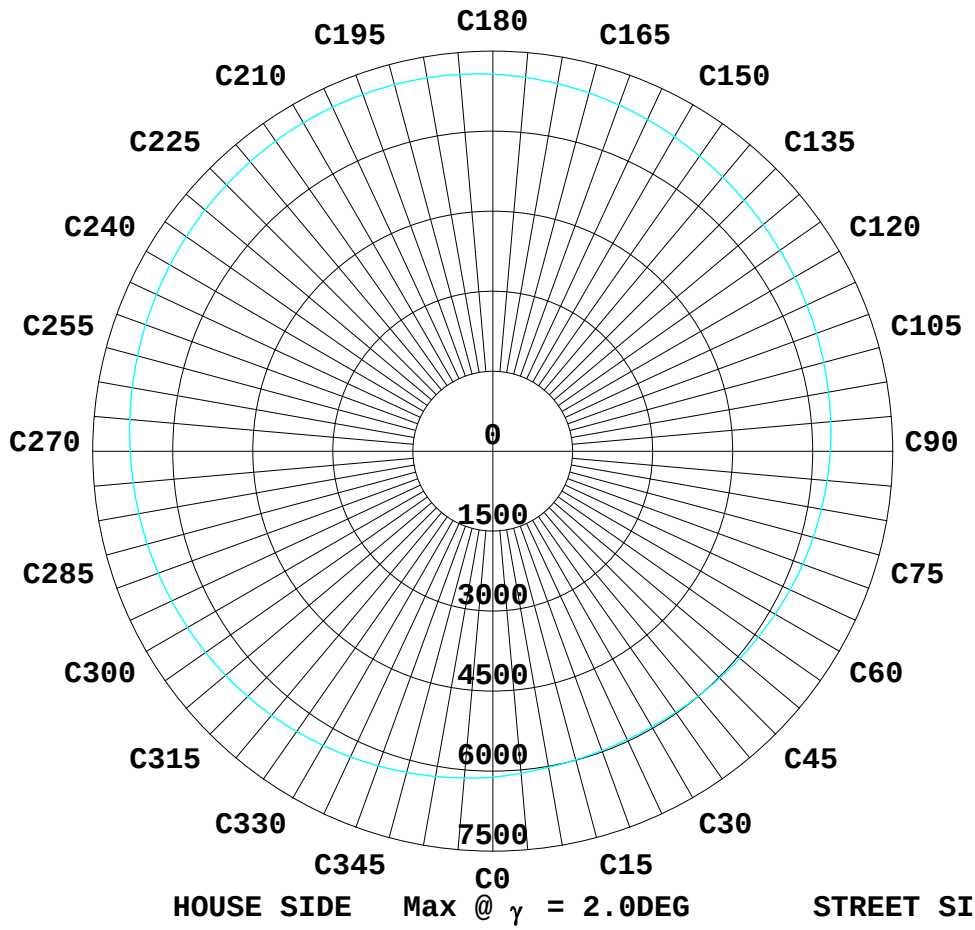
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月09日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251134	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月09日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251134	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG) \ C(DEG)	0	45	90	135	180	225	270	315
0.0	6817	6778	6824	6840	6817	6778	6824	6840
5.0	4533	4452	4868	5546	6406	6446	5802	5211
10.0	2249	2134	2442	2875	3690	3647	3143	2700
15.0	965	896	1047	1205	1541	1616	1288	1136
20.0	366	343	437	534	679	676	524	460
25.0	112	105	148	147	223	213	151	157
30.0	59.7	48.9	61.8	58.0	71.1	79.7	60.2	64.9
35.0	32.1	23.9	32.8	27.6	31.5	38.4	29.2	34.0
40.0	17.7	11.1	17.7	12.1	14.2	19.7	13.6	20.0
45.0	9.85	5.16	9.98	5.64	6.61	11.0	6.20	11.8
50.0	6.26	2.34	6.33	2.54	3.30	7.02	3.03	7.23
55.0	4.68	1.37	4.75	1.44	1.65	5.09	1.58	5.23
60.0	3.78	0.90	3.65	0.55	0.83	3.92	0.90	3.44
65.0	3.16	0.62	3.03	0.34	0.83	3.23	0.62	3.10
70.0	2.68	0.48	2.68	0.34	0.48	2.82	0.41	2.68
75.0	2.41	0.28	2.27	0.21	0.21	2.48	0.28	2.41
80.0	2.13	0.28	2.06	0.14	0.41	2.20	0.21	2.13
85.0	1.99	0.21	1.65	0.21	0.07	1.99	0.21	1.86
90.0	1.72	0.14	1.65	0.00	0.34	1.51	0.14	1.72
95.0	1.65	0.14	1.58	0.07	0.34	1.44	0.14	1.58
100.0	1.24	0.14	1.51	0.07	0.34	1.58	0.07	1.51
105.0	1.44	0.21	1.44	0.14	0.41	1.37	0.14	1.37
110.0	1.10	0.00	1.24	0.14	0.41	1.30	0.00	1.30
115.0	1.24	0.21	1.24	0.14	0.48	1.24	0.21	1.24
120.0	1.03	0.28	1.17	0.14	0.48	1.17	0.14	1.24
125.0	1.17	0.28	1.10	0.14	0.55	0.83	0.21	1.17
130.0	1.10	0.28	1.10	0.28	0.55	1.10	0.28	1.10
135.0	1.17	0.41	1.03	0.34	0.62	1.17	0.14	1.03
140.0	1.30	0.62	1.17	0.28	0.90	1.24	0.69	1.37
145.0	1.72	1.24	1.51	0.90	1.30	1.65	0.90	1.86
150.0	2.68	1.99	2.20	1.65	2.20	2.41	2.06	2.89
155.0	3.72	3.51	3.37	2.61	3.44	3.72	3.23	4.20
160.0	4.89	4.68	4.27	4.06	4.68	4.75	4.61	5.30
165.0	5.23	5.23	5.23	4.96	5.64	5.92	5.37	5.99
170.0	5.71	5.16	5.51	4.89	5.99	6.06	5.71	5.92
175.0	5.37	4.89	5.30	4.89	5.92	5.78	5.51	5.44
180.0	5.44	5.16	5.51	4.82	5.71	5.37	5.23	5.09

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月09日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks: