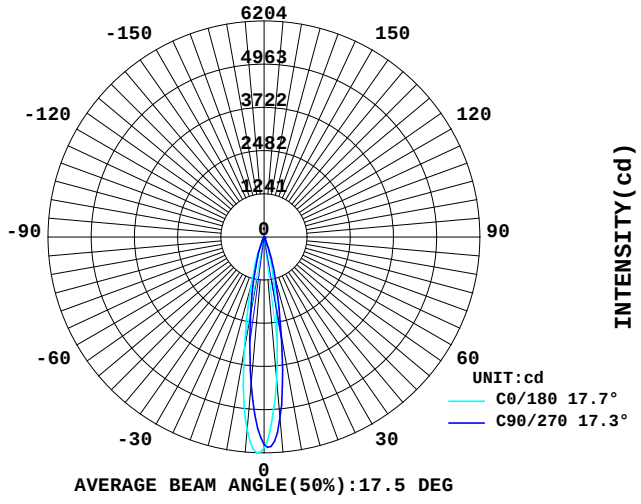
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251135	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

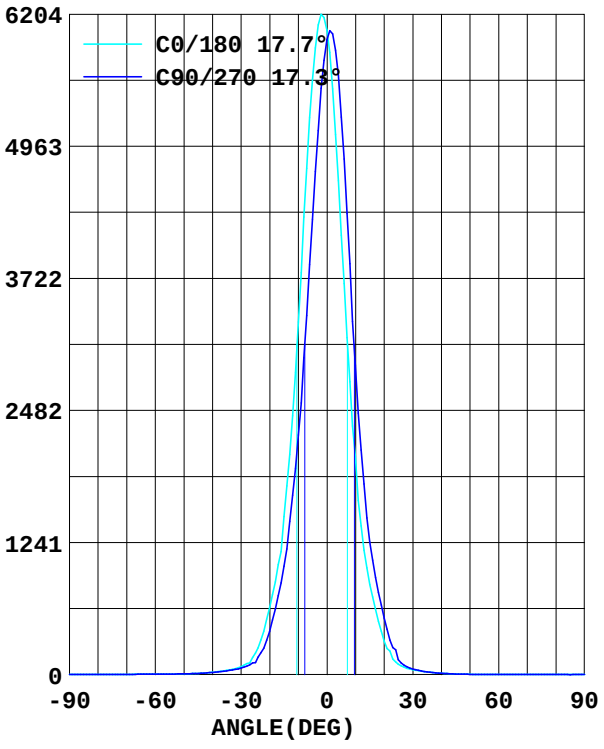
DATA OF LAMP		Imax(cd)	6204	S/MH(C0/180)	0.36
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.27
NOMINAL POWER(W)	14	TOTAL FLUX(lm)	841.11	Voltage(V)	23.41
RATED VOLTAGE(V)	23	EFFICIENCY(lm/W)	58.3	Current(A)	0.616
NOMINAL FLUX(lm)	841.1	η up(%)	0.9	Power(W)	14.43
LAMPS QUANTITY	1	η down(%)	99.1	Power Factor(PF)	1.000
TEST VOLTAGE(V)	23.4	Effictive Flux(lm)	694.3	EEI	0.252

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):17.5 DEG

LUMINOUS INTENSITY DISTRIBUTION



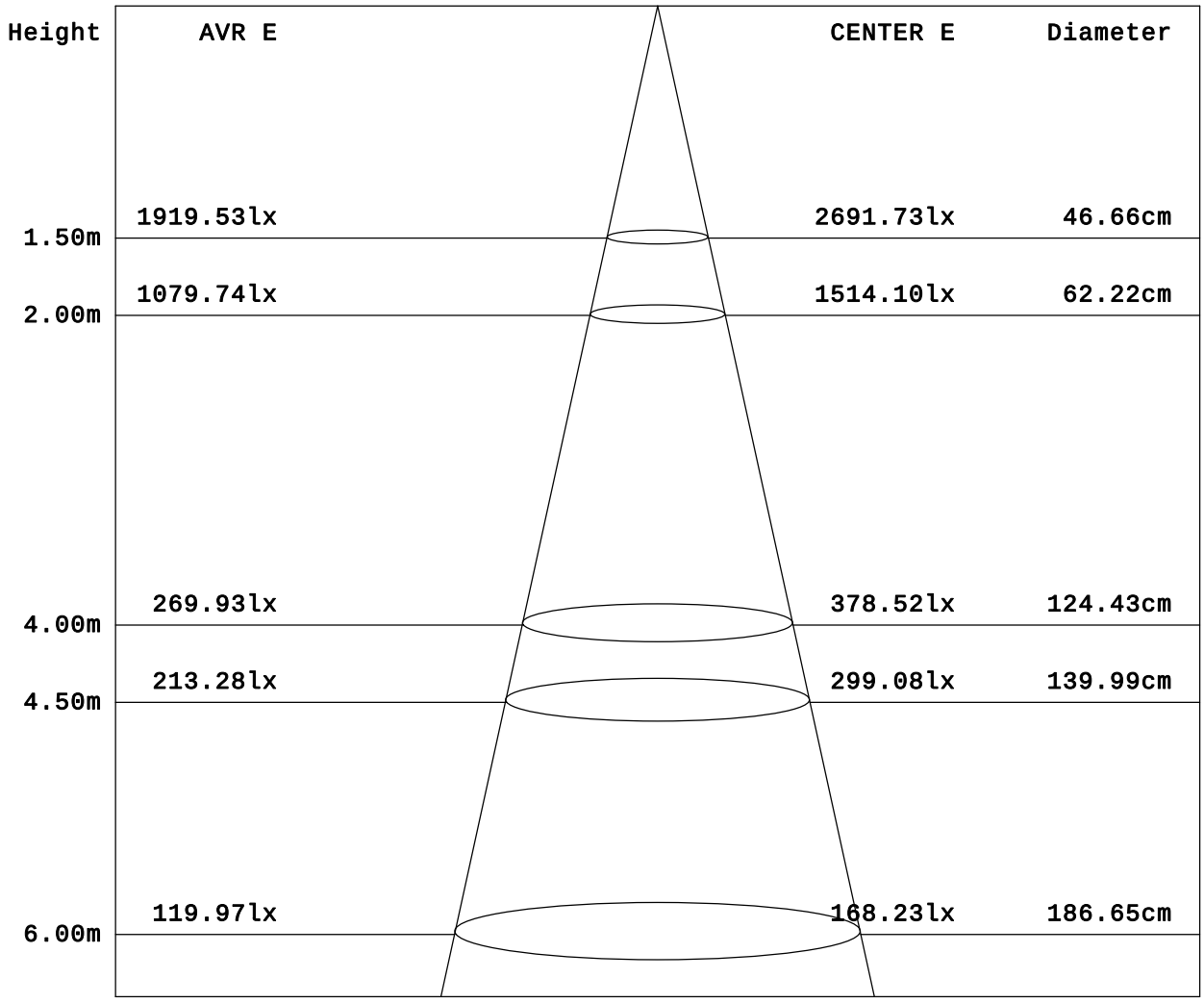
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月09日

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-251135	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Angle:17.7deg

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-251135	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	5589	4907	4278	3891	4128	4680	5238	5771	0- 5	128.6	128.6
10.0	3314	2692	2250	1998	2049	2340	2901	3463	5- 10	256.1	384.7
15.0	1484	1178	1019	826.4	845.0	1035	1244	1586	10- 15	207.6	592.4
20.0	626.0	499.5	405.9	305.2	314.5	423.2	531.6	689.5	15- 20	124.9	717.4
25.0	202.8	137.2	112.8	95.48	98.16	110.2	140.6	212.5	20- 25	58.48	775.9
30.0	74.40	57.52	60.82	46.15	45.81	56.55	52.97	72.88	25- 30	22.54	798.5
35.0	39.19	30.93	35.54	26.38	24.86	31.06	25.76	36.16	30- 35	12.66	811.1
40.0	21.08	15.70	20.59	12.95	12.53	16.74	12.40	19.84	35- 40	7.696	818.8
45.0	11.43	7.164	11.64	5.993	6.131	9.920	5.786	11.16	40- 45	4.467	823.3
50.0	7.233	3.306	7.095	2.755	3.100	6.406	2.962	6.889	45- 50	2.660	825.9
55.0	5.304	1.860	5.028	1.377	1.791	4.684	1.515	5.166	50- 55	1.788	827.7
60.0	3.788	1.033	3.513	0.896	1.102	3.720	1.033	3.788	55- 60	1.290	829.0
65.0	3.306	0.689	3.100	0.413	0.551	2.755	0.689	3.237	60- 65	1.027	830.0
70.0	2.893	0.482	2.411	0.482	0.689	2.617	0.413	2.755	65- 70	0.889	830.9
75.0	2.135	0.344	2.273	0.344	0.276	2.342	0.276	2.480	70- 75	0.771	831.7
80.0	2.135	0.276	1.791	0.276	0.413	1.997	0.207	2.135	75- 80	0.654	832.4
85.0	1.722	0.069	1.791	0.207	0.344	1.860	0	1.860	80- 85	0.590	833.0
90.0	1.584	0.069	1.515	0	0.276	1.584	0.138	1.653	85- 90	0.512	833.5
95.0	1.584	0	1.515	0.069	0	1.515	0.138	1.515	90- 95	0.453	833.9
100.0	1.240	0.138	1.308	0	0.069	1.377	0.069	1.446	95-100	0.425	834.3
105.0	1.446	0.138	1.308	0.138	0.344	1.240	0.138	1.308	100-105	0.397	834.7
110.0	1.308	0.138	0.964	0	0.344	0.964	0.138	1.240	105-110	0.354	835.1
115.0	1.171	0.138	1.171	0.207	0.413	1.033	0.207	1.240	110-115	0.348	835.4
120.0	1.171	0.207	1.102	0	0.413	1.102	0	1.171	115-120	0.318	835.8
125.0	1.102	0.207	0.758	0	0.413	1.102	0.207	1.102	120-125	0.298	836.1
130.0	1.102	0	0.758	0.276	0.551	1.033	0.207	1.033	125-130	0.270	836.3
135.0	1.102	0.276	0.964	0.413	0.689	1.033	0.344	1.033	130-135	0.268	836.6
140.0	1.171	0.482	1.171	0.551	1.033	1.102	0.620	1.171	135-140	0.292	836.9
145.0	1.308	0.827	1.515	1.033	1.584	1.791	1.102	1.584	140-145	0.359	837.2
150.0	1.928	1.584	2.204	1.997	2.617	2.686	1.928	2.273	145-150	0.482	837.7
155.0	2.617	2.548	2.893	3.168	3.926	3.995	3.100	3.444	150-155	0.675	838.4
160.0	3.857	3.788	4.202	4.202	4.615	5.097	4.271	4.615	155-160	0.799	839.2
165.0	4.684	4.615	4.891	4.753	5.373	5.580	5.028	5.373	160-165	0.775	840.0
170.0	5.097	4.891	5.028	4.684	5.166	5.511	5.235	5.304	165-170	0.606	840.6
175.0	5.235	4.684	4.753	4.477	4.960	5.166	5.166	5.373	170-175	0.364	840.9
180.0	5.166	4.684	5.166	4.753	5.304	4.960	4.891	4.891	175-180	0.118	841.1
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:

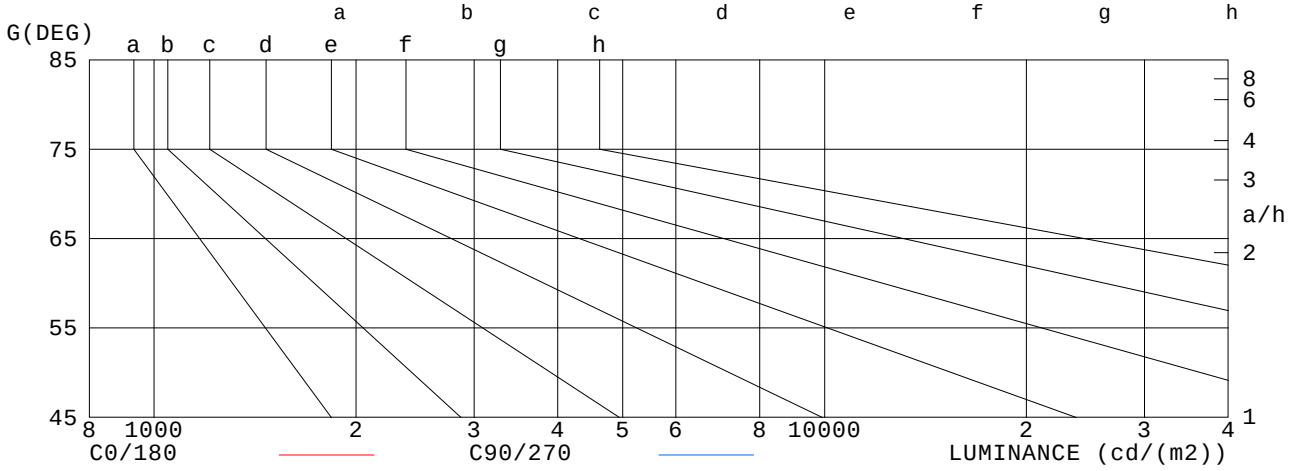
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251135	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	198	206
80	123	103
75	83	88
70	85	70
65	78	73
60	76	70
55	92	88
50	113	110
45	162	165

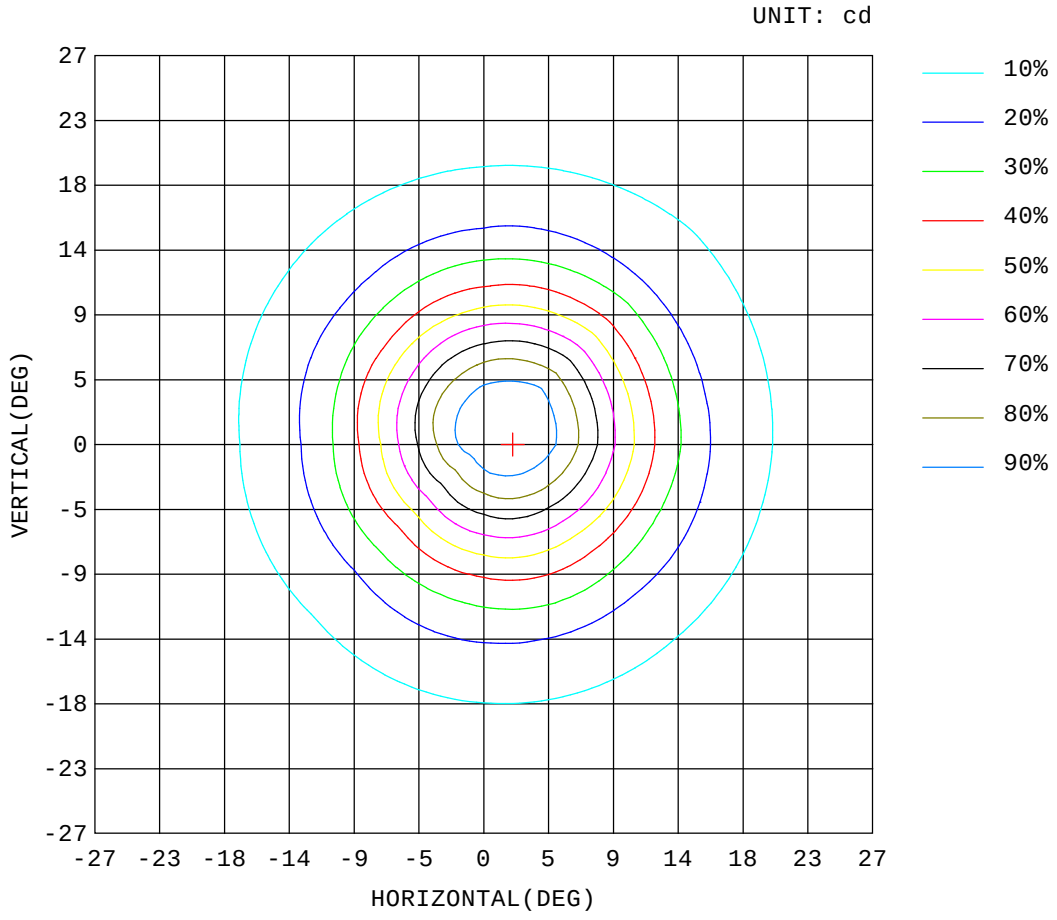
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月09日

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-251135	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



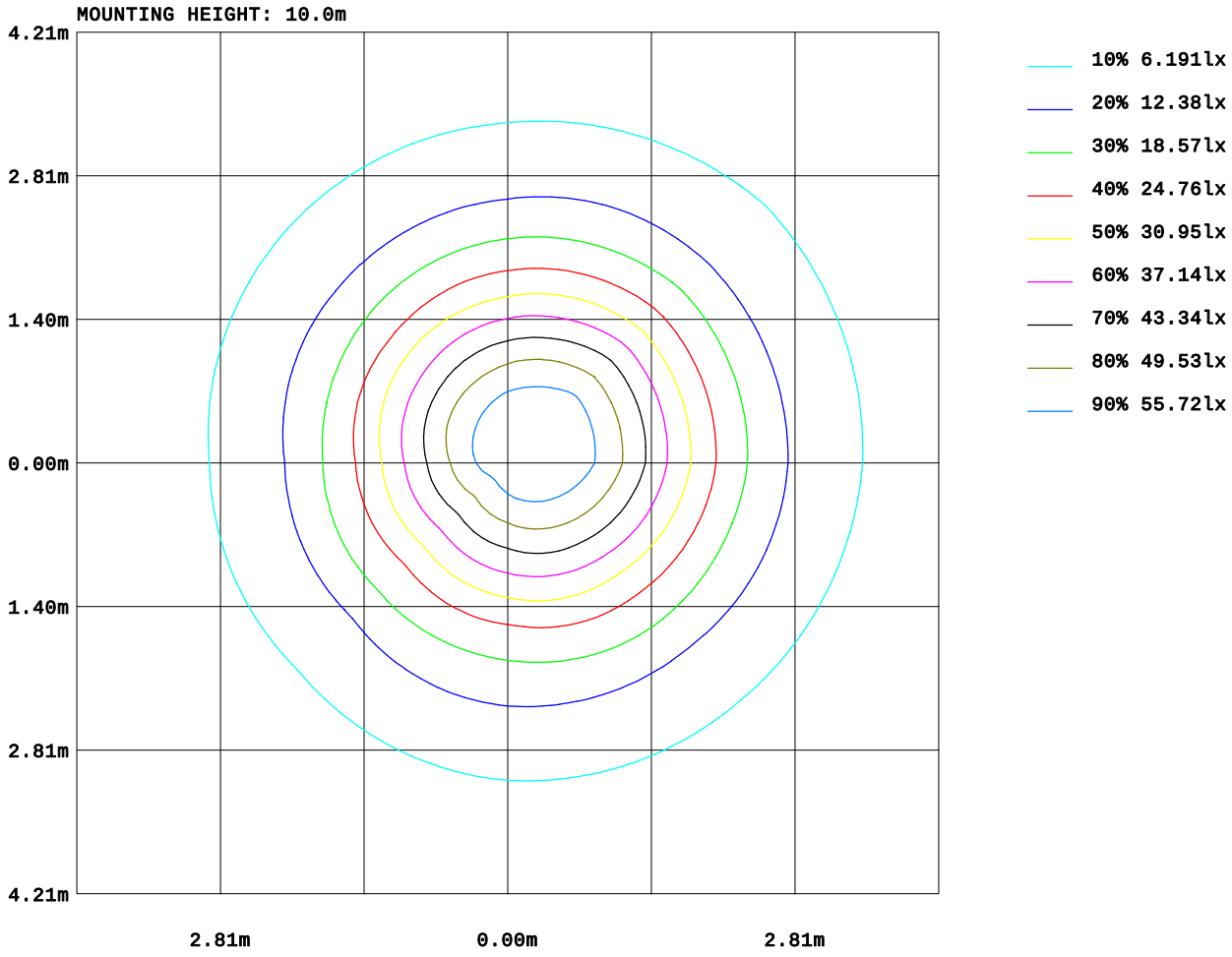
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月09日

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-251135	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-251135	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	0.07	0.09	0.12	0.15	0.18	0.22	0.27	0.32	0.36	0.38	0.36	0.32	0.27	0.22	0.18	0.14	0.11	0.09	3.85	0.00
24	0.09	0.12	0.16	0.21	0.28	0.41	0.56	0.71	0.80	0.84	0.82	0.71	0.56	0.40	0.27	0.21	0.15	0.11	7.41	0.00
21	0.11	0.15	0.21	0.31	0.52	0.78	1.08	1.38	1.57	1.65	1.59	1.39	1.11	0.80	0.51	0.30	0.21	0.14	13.8	2.51
18	0.13	0.19	0.29	0.53	0.89	1.37	1.88	2.32	2.64	2.75	2.62	2.34	1.92	1.42	0.91	0.51	0.27	0.18	23.2	16.4
15	0.16	0.24	0.44	0.82	1.41	2.09	2.83	3.63	4.31	4.57	4.33	3.63	2.84	2.16	1.42	0.80	0.41	0.23	36.3	30.8
12	0.18	0.31	0.62	1.17	1.94	2.87	4.20	5.73	6.98	7.49	7.04	5.84	4.28	2.85	1.93	1.13	0.58	0.28	55.4	50.8
9	0.20	0.38	0.79	1.49	2.42	3.82	5.87	8.39	10.5	11.4	10.6	8.59	5.96	3.72	2.38	1.45	0.74	0.35	79.2	74.9
	0.22	0.45	0.91	1.71	2.80	4.66	7.50	10.9	13.9	15.0	14.1	11.0	7.40	4.63	2.69	1.67	0.87	0.41	101	97.2
	0.23	0.47	0.96	1.78	2.95	5.03	8.19	12.1	15.4	16.7	15.5	12.1	8.23	5.10	2.91	1.78	0.94	0.44	111	107
	0.22	0.46	0.93	1.73	2.86	4.83	7.72	11.2	14.2	15.7	14.6	11.5	7.88	4.92	2.85	1.73	0.91	0.43	105	101
	0.21	0.41	0.83	1.56	2.56	4.12	6.41	8.96	11.5	12.6	11.6	9.29	6.54	4.16	2.50	1.53	0.80	0.38	86.1	81.9
-9	0.19	0.33	0.69	1.28	2.10	3.18	4.77	6.63	8.22	8.89	8.29	6.73	4.87	3.20	2.06	1.24	0.65	0.32	63.7	59.3
-12	0.16	0.26	0.52	0.93	1.57	2.33	3.34	4.54	5.49	5.85	5.51	4.53	3.33	2.34	1.56	0.91	0.49	0.25	43.9	38.5
-15	0.14	0.21	0.34	0.64	1.05	1.64	2.28	2.93	3.46	3.64	3.40	2.87	2.24	1.62	1.04	0.62	0.33	0.20	28.6	22.1
-18	0.11	0.16	0.24	0.39	0.66	1.02	1.46	1.85	2.12	2.21	2.09	1.81	1.42	0.99	0.64	0.38	0.23	0.16	17.9	9.87
-21	0.09	0.13	0.17	0.24	0.38	0.59	0.82	1.04	1.21	1.27	1.19	1.02	0.78	0.57	0.36	0.23	0.17	0.12	10.4	0.00
-24	0.08	0.10	0.13	0.18	0.23	0.31	0.43	0.54	0.62	0.64	0.61	0.53	0.42	0.30	0.22	0.16	0.12	0.10	5.71	0.00
-27	0.06	0.08	0.10	0.13	0.16	0.20	0.24	0.28	0.31	0.32	0.30	0.27	0.24	0.19	0.15	0.12	0.09	0.07	3.34	0.00
HORIZONTAL(DEG)																				
Φ t	2.65	4.54	8.45	15.2	25.0	39.5	59.9	83.6	104	112	105	84.6	60.3	39.6	24.6	14.9	8.07	4.26	841	
Φ a	0.00	0.00	0.00	5.37	18.3	33.6	55.1	79.0	99.5	108	101	80.2	55.5	34.1	18.2	5.30	0.00	0.00		694

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

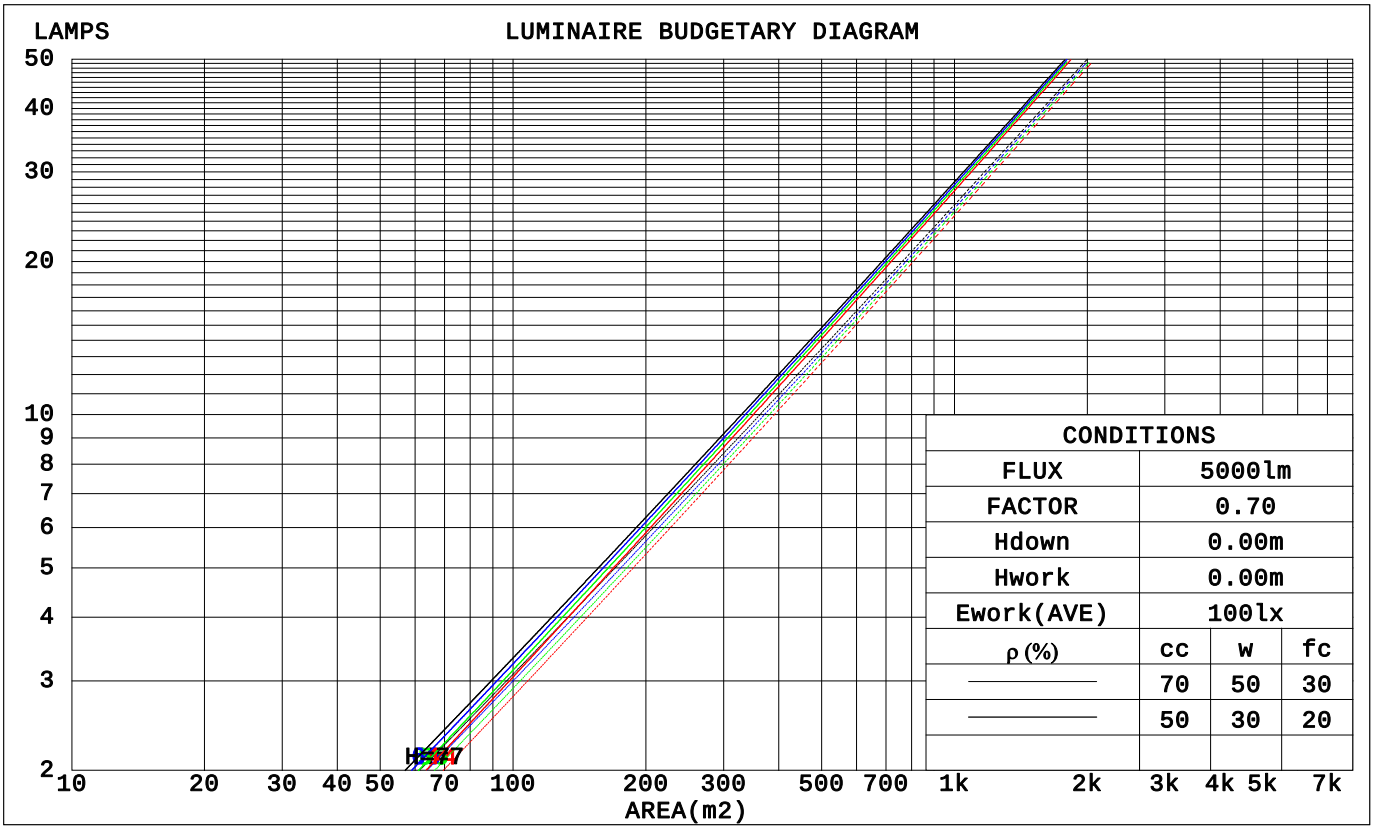
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251135	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	1.09	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	1.00	.98	1.03	.99	.97	.00	.97	.95	.98	.96	.94	.95	.94	.92	.91
4.0	1.00	.97	.94	.99	.96	.93	.97	.94	.92	.95	.93	.91	.93	.91	.90	.89
5.0	.97	.93	.90	.96	.93	.90	.95	.92	.89	.93	.90	.88	.92	.89	.88	.87
6.0	.94	.90	.88	.94	.90	.87	.92	.89	.87	.91	.88	.86	.90	.87	.86	.85
7.0	.92	.88	.85	.91	.88	.85	.90	.87	.85	.89	.86	.84	.88	.85	.84	.83
8.0	.89	.86	.83	.89	.85	.83	.88	.85	.82	.87	.84	.82	.86	.84	.82	.81
9.0	.87	.84	.81	.87	.83	.81	.86	.83	.81	.85	.82	.80	.84	.82	.80	.79
10.0	.85	.82	.79	.85	.81	.79	.84	.81	.79	.84	.81	.79	.83	.80	.78	.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-251135	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	.132	.075	.024	.125	.071	.023	.112	.064	.021	.100	.058	.019	.089	.052	.017	
2.0	.121	.066	.020	.115	.063	.020	.104	.058	.018	.095	.053	.017	.086	.048	.015	
3.0	.111	.059	.018	.107	.057	.017	.098	.053	.016	.090	.049	.015	.082	.045	.014	
4.0	.104	.054	.016	.100	.052	.015	.092	.049	.015	.085	.046	.014	.079	.043	.013	
5.0	.097	.049	.014	.094	.048	.014	.087	.045	.013	.081	.043	.013	.076	.040	.012	
6.0	.091	.046	.013	.088	.045	.013	.083	.042	.012	.078	.040	.012	.073	.038	.011	
7.0	.086	.043	.012	.084	.042	.012	.079	.040	.011	.074	.038	.011	.070	.036	.011	
8.0	.082	.040	.011	.080	.039	.011	.075	.038	.011	.071	.036	.010	.068	.035	.010	
9.0	.078	.038	.011	.076	.037	.010	.072	.036	.010	.069	.034	.010	.065	.033	.010	
10.0	.074	.036	.010	.073	.035	.010	.069	.034	.010	.066	.033	.009	.063	.032	.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	.091	.076	.076	.063	.053	.044	.037	.032	.014	.012	.010	
5.0	.117	.092	.074	.101	.080	.064	.069	.056	.046	.040	.033	.027	.013	.011	.009	
6.0	.108	.082	.064	.093	.071	.056	.064	.050	.039	.037	.029	.023	.012	.010	.008	
7.0	.100	.074	.056	.086	.064	.049	.059	.045	.034	.035	.026	.020	.011	.009	.007	
8.0	.093	.067	.049	.080	.058	.043	.056	.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	.071	.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-251135	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	-5.0	-4.4	-4.8	-4.3	-4.1	-5.4	-4.8	-5.2	-4.6	-4.5
	3H	-4.4	-3.9	-4.2	-3.7	-3.5	-4.8	-4.3	-4.6	-4.1	-3.9
	4H	-4.0	-3.4	-3.7	-3.2	-3.0	-4.3	-3.8	-4.1	-3.6	-3.4
	6H	-3.3	-2.8	-3.0	-2.5	-2.3	-3.7	-3.2	-3.4	-2.9	-2.7
	8H	-2.7	-2.2	-2.4	-1.9	-1.7	-3.1	-2.6	-2.8	-2.4	-2.1
	12H	-2.1	-1.7	-1.8	-1.4	-1.1	-2.5	-2.0	-2.2	-1.8	-1.5
4H	2H	-5.2	-4.6	-4.9	-4.4	-4.2	-5.5	-5.0	-5.2	-4.8	-4.5
	3H	-4.5	-4.0	-4.2	-3.8	-3.5	-4.9	-4.4	-4.6	-4.1	-3.9
	4H	-3.9	-3.5	-3.6	-3.2	-2.9	-4.3	-3.9	-3.9	-3.6	-3.2
	6H	-3.0	-2.6	-2.6	-2.3	-1.9	-3.4	-3.0	-3.0	-2.7	-2.3
	8H	-2.2	-1.9	-1.8	-1.5	-1.1	-2.6	-2.3	-2.2	-1.9	-1.5
	12H	-1.5	-1.2	-1.1	-0.8	-0.4	-1.9	-1.5	-1.5	-1.2	-0.8
8H	4H	-4.0	-3.7	-3.6	-3.3	-2.9	-4.4	-4.0	-4.0	-3.7	-3.3
	6H	-3.0	-2.7	-2.5	-2.3	-1.8	-3.4	-3.1	-2.9	-2.7	-2.2
	8H	-2.1	-1.8	-1.6	-1.4	-0.9	-2.5	-2.2	-2.0	-1.8	-1.3
	12H	-1.2	-0.9	-0.7	-0.5	0.0	-1.5	-1.3	-1.0	-0.8	-0.3
12H	4H	-4.0	-3.7	-3.6	-3.3	-2.9	-4.4	-4.1	-4.0	-3.7	-3.3
	6H	-3.0	-2.7	-2.6	-2.3	-1.9	-3.4	-3.1	-2.9	-2.7	-2.2
	8H	-2.1	-1.8	-1.6	-1.4	-0.9	-2.5	-2.3	-2.0	-1.8	-1.3

Variations with the observer position at spacings:		
S = 1.0H	+ 1.3 / - 1.0	+ 1.3 / - 1.1
1.5H	+ 2.5 / - 1.2	+ 2.4 / - 1.5
2.0H	+ 1.7 / - 1.0	+ 2.0 / - 1.0

CIE Pub.117 Corrected 841.1 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.6)

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-251135	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	89	84	81	89	84	80	77
0.80	97	92	88	96	91	88	95	91	88	84
1.00	101	96	92	100	95	92	98	95	91	88
1.25	104	100	96	103	99	96	101	98	95	91
1.50	107	102	99	106	102	99	103	100	98	93
2.00	109	105	102	108	104	101	105	102	100	95
2.50	111	107	104	109	106	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	96
4.00	114	111	109	112	110	108	108	106	105	98
5.00	115	113	111	113	111	110	109	108	107	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

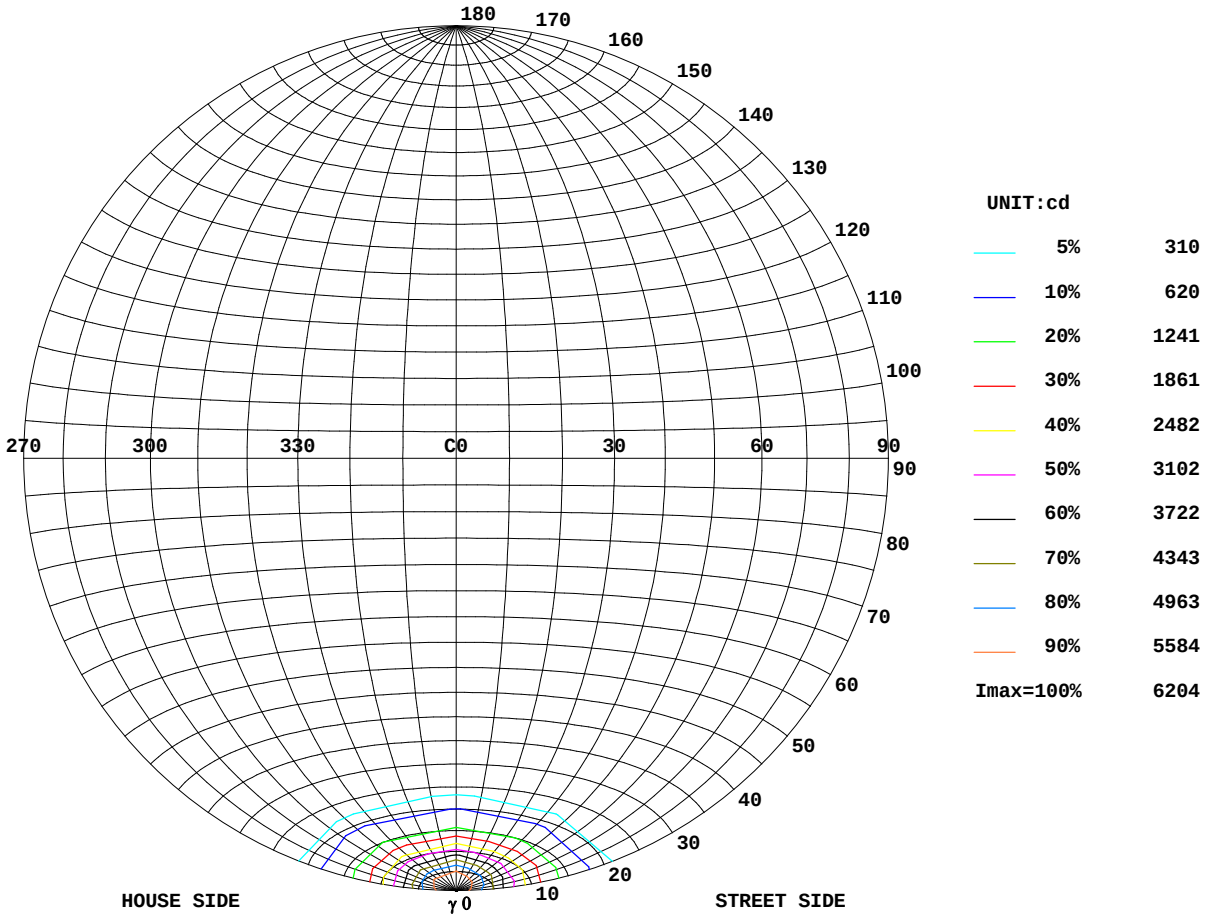
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月09日

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-251135	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



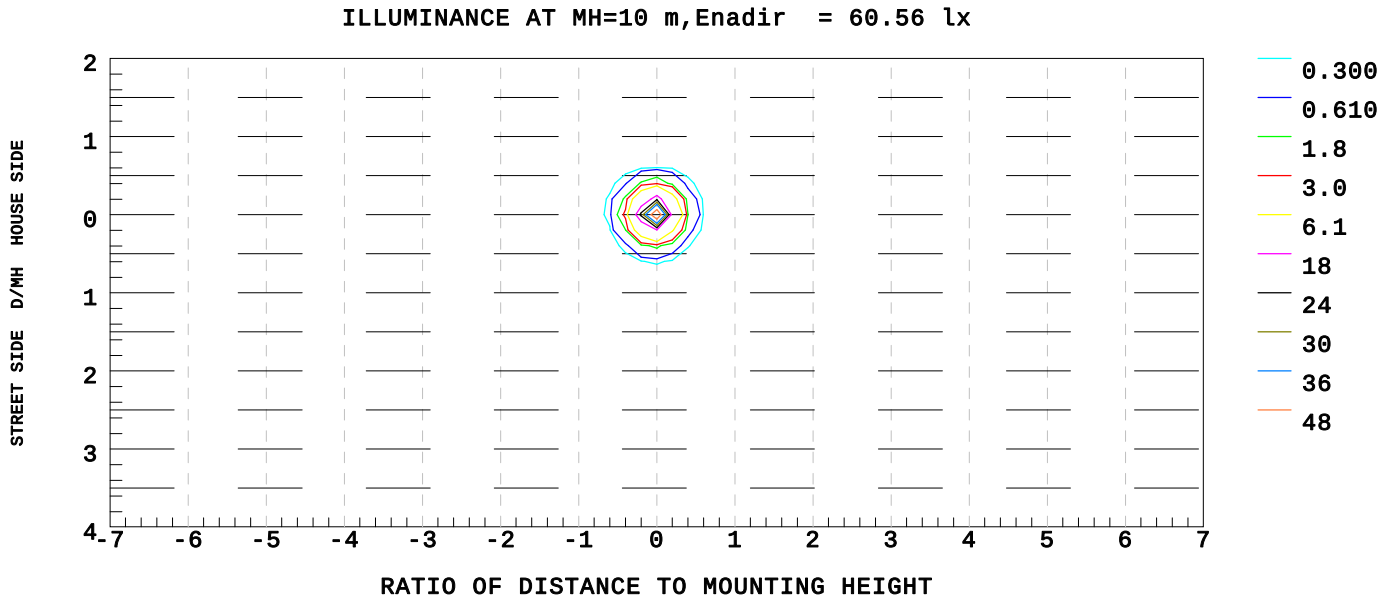
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月09日

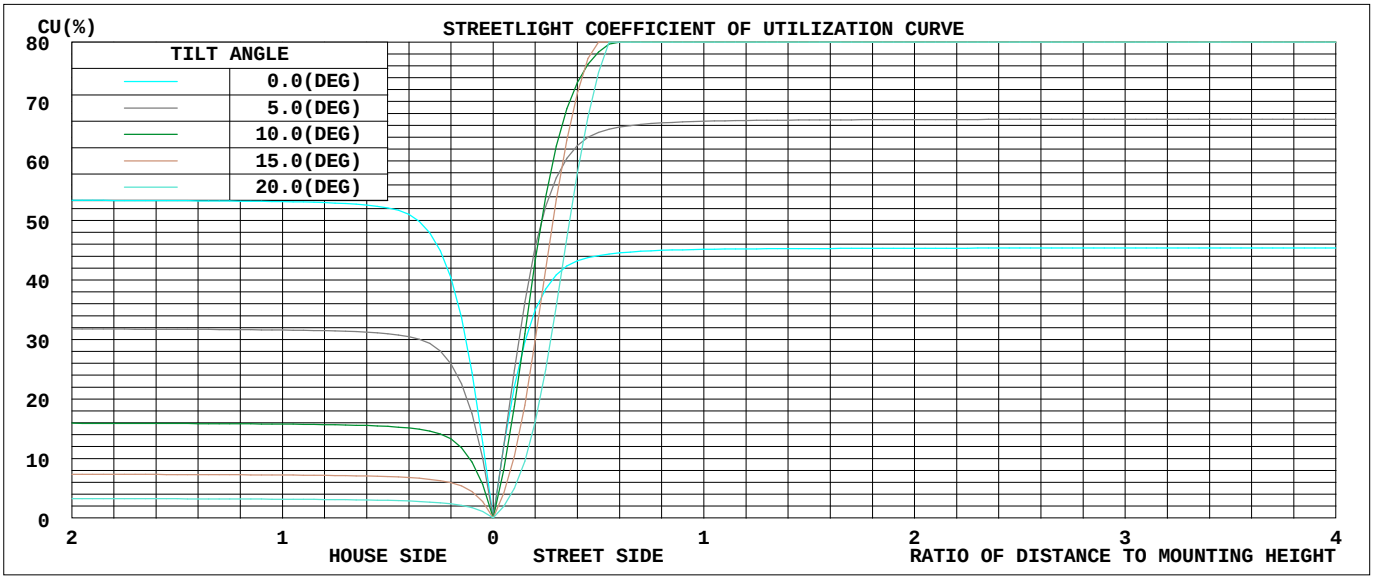
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251135	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:





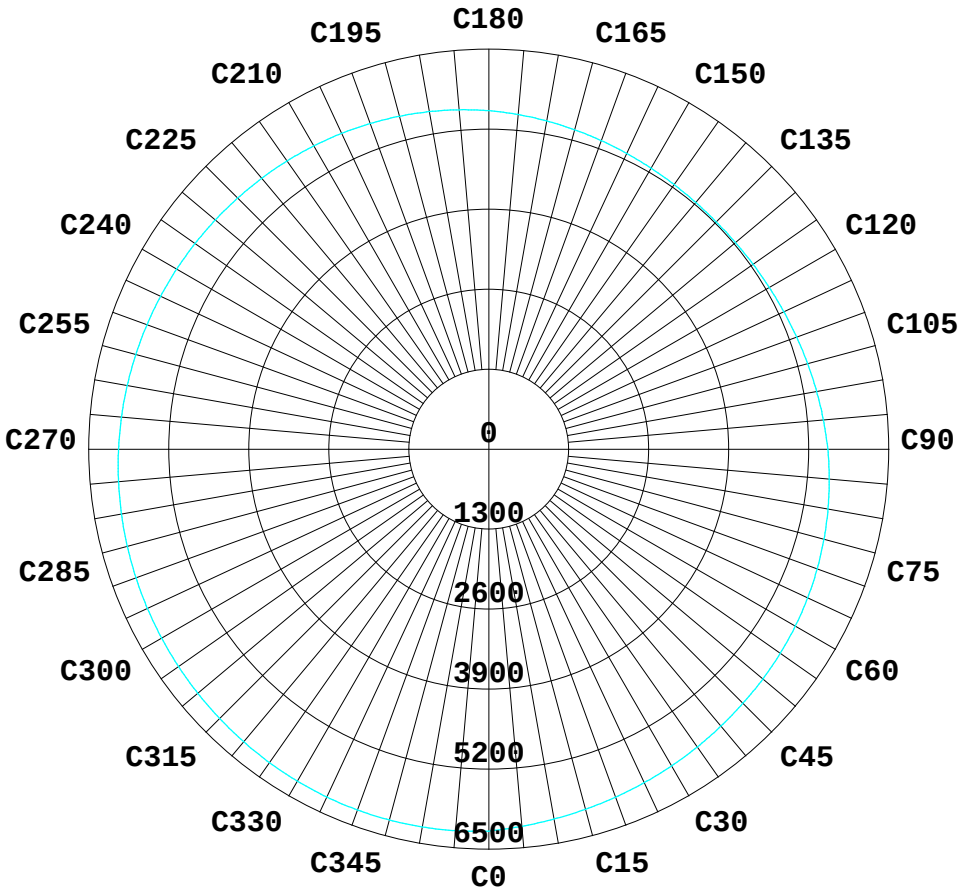
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月09日

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-251135	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-251135	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG) \ C(DEG)	0	45	90	135	180	225	270	315
0.0	6056	6021	5963	5897	6056	6021	5963	5897
5.0	5589	4907	4278	3891	4128	4680	5238	5771
10.0	3314	2692	2250	1998	2049	2340	2901	3463
15.0	1484	1178	1019	826	845	1035	1244	1586
20.0	626	500	406	305	315	423	532	690
25.0	203	137	113	95.4	98.1	110	141	213
30.0	74.4	57.5	60.8	46.1	45.8	56.5	52.9	72.8
35.0	39.1	30.9	35.5	26.3	24.8	31.0	25.7	36.1
40.0	21.0	15.7	20.5	12.9	12.5	16.7	12.4	19.8
45.0	11.4	7.16	11.6	5.99	6.13	9.92	5.78	11.1
50.0	7.23	3.30	7.09	2.75	3.10	6.40	2.96	6.88
55.0	5.30	1.86	5.02	1.37	1.79	4.68	1.51	5.16
60.0	3.78	1.03	3.51	0.90	1.10	3.72	1.03	3.78
65.0	3.30	0.69	3.10	0.41	0.55	2.75	0.69	3.23
70.0	2.89	0.48	2.41	0.48	0.69	2.61	0.41	2.75
75.0	2.13	0.34	2.27	0.34	0.28	2.34	0.28	2.48
80.0	2.13	0.28	1.79	0.28	0.41	1.99	0.21	2.13
85.0	1.72	0.07	1.79	0.21	0.34	1.86	0.00	1.86
90.0	1.58	0.07	1.51	0.00	0.28	1.58	0.14	1.65
95.0	1.58	0.00	1.51	0.07	0.00	1.51	0.14	1.51
100.0	1.24	0.14	1.30	0.00	0.07	1.37	0.07	1.44
105.0	1.44	0.14	1.30	0.14	0.34	1.24	0.14	1.30
110.0	1.30	0.14	0.96	0.00	0.34	0.96	0.14	1.24
115.0	1.17	0.14	1.17	0.21	0.41	1.03	0.21	1.24
120.0	1.17	0.21	1.10	0.00	0.41	1.10	0.00	1.17
125.0	1.10	0.21	0.76	0.00	0.41	1.10	0.21	1.10
130.0	1.10	0.00	0.76	0.28	0.55	1.03	0.21	1.03
135.0	1.10	0.28	0.96	0.41	0.69	1.03	0.34	1.03
140.0	1.17	0.48	1.17	0.55	1.03	1.10	0.62	1.17
145.0	1.30	0.83	1.51	1.03	1.58	1.79	1.10	1.58
150.0	1.92	1.58	2.20	1.99	2.61	2.68	1.92	2.27
155.0	2.61	2.54	2.89	3.16	3.92	3.99	3.10	3.44
160.0	3.85	3.78	4.20	4.20	4.61	5.09	4.27	4.61
165.0	4.68	4.61	4.89	4.75	5.37	5.58	5.02	5.37
170.0	5.09	4.89	5.02	4.68	5.16	5.51	5.23	5.30
175.0	5.23	4.68	4.75	4.47	4.96	5.16	5.16	5.37
180.0	5.16	4.68	5.16	4.75	5.30	4.96	4.89	4.89

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: