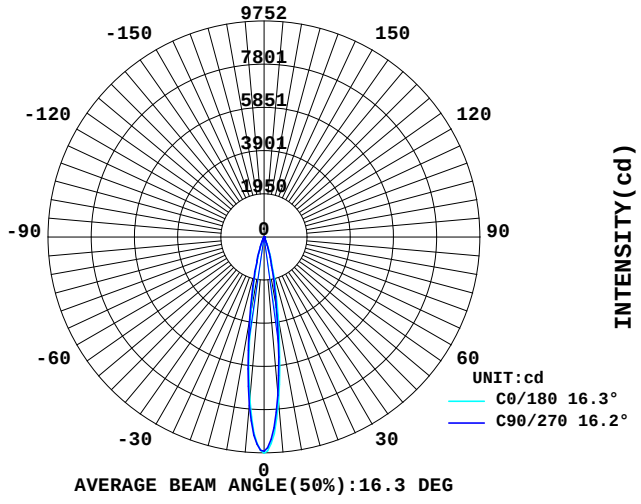
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251183	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

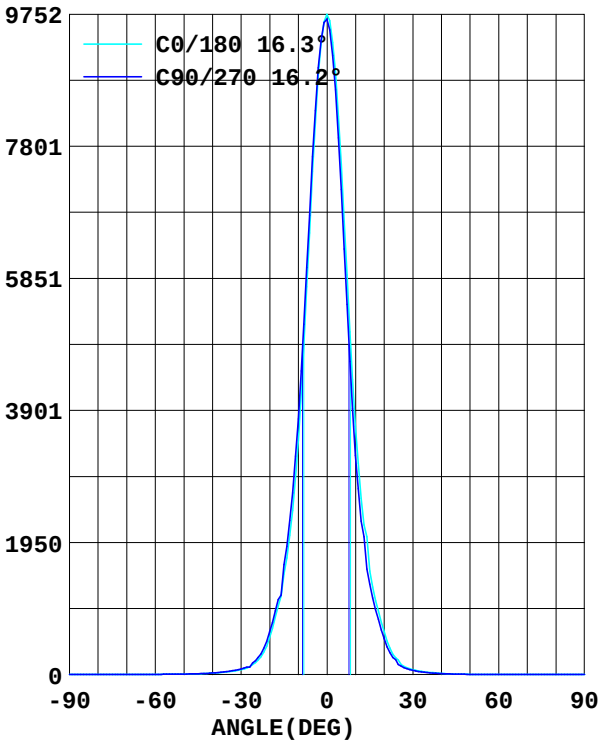
DATA OF LAMP		Imax(cd)	9752	S/MH(C0/180)	0.28
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.29
NOMINAL POWER(W)	20	TOTAL FLUX(lm)	1162.6	Voltage(V)	23.26
RATED VOLTAGE(V)	23	EFFICIENCY(lm/W)	60.1	Current(A)	0.831
NOMINAL FLUX(lm)	1162.6	η up(%)	0.9	Power(W)	19.35
LAMPS QUANTITY	1	η down(%)	99.1	Power Factor(PF)	1.000
TEST VOLTAGE(V)	23.3	Effictive Flux(lm)	943.5	EEI	0.264

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):16.3 DEG

LUMINOUS INTENSITY DISTRIBUTION



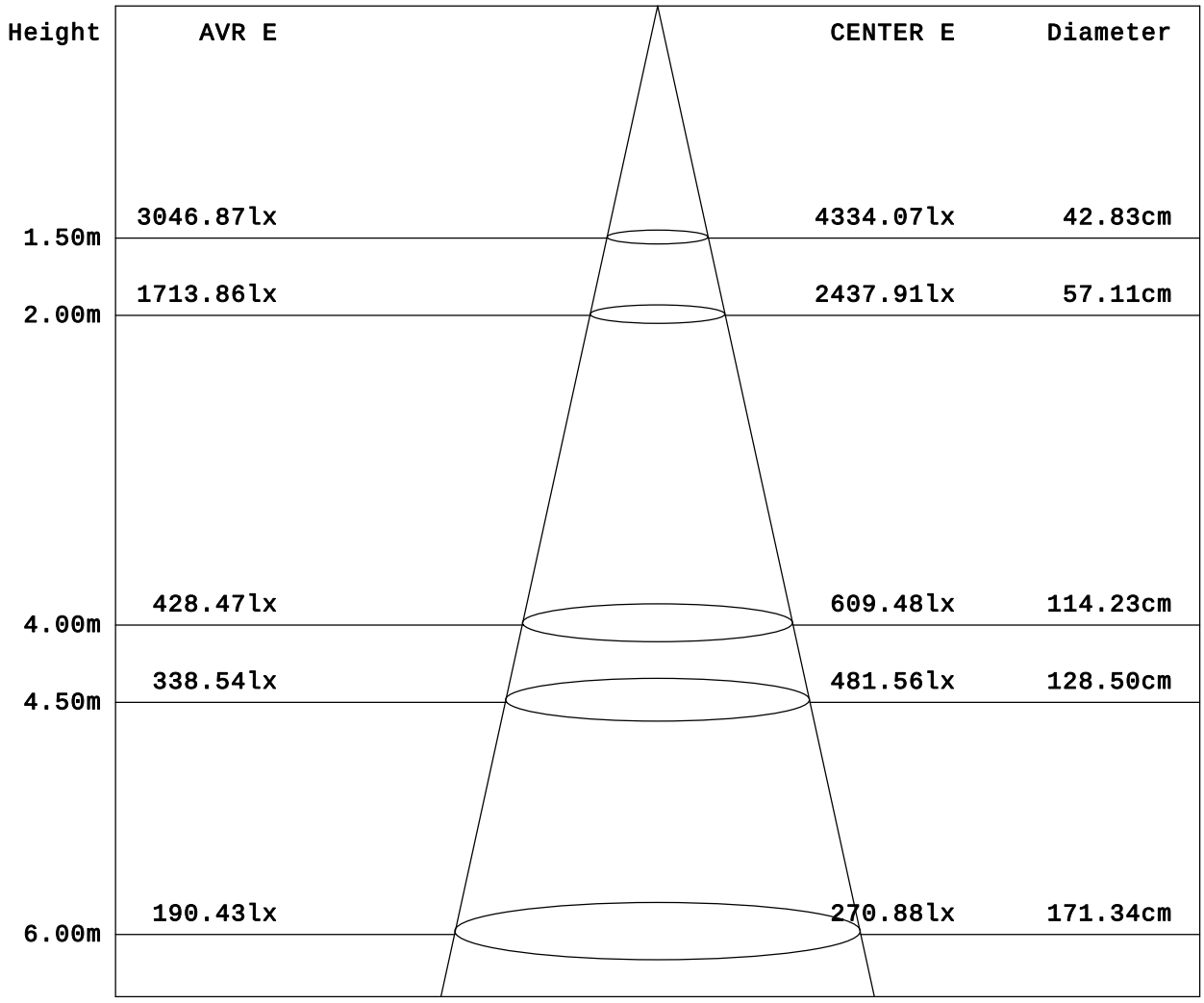
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月10日

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-251183	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Angle:16.3deg

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月10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-251183	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	7426	7355	7647	8304	7539	7540	7165	6330	0- 5	202.8	202.8
10.0	3463	3471	3776	4432	3664	3606	3236	2743	5- 10	371.1	573.9
15.0	1485	1413	1625	2065	1530	1523	1334	1155	10- 15	275.6	849.6
20.0	546.0	525.9	628.7	794.0	634.2	640.4	529.6	412.9	15- 20	159.4	1009
25.0	177.0	152.1	204.0	242.4	216.7	203.7	150.4	113.4	20- 25	71.18	1080
30.0	73.29	66.13	84.52	88.24	74.19	80.94	63.24	60.55	25- 30	28.95	1109
35.0	39.68	34.37	45.46	43.60	37.40	43.81	29.48	32.51	30- 35	15.72	1125
40.0	21.76	16.74	23.90	21.42	18.66	23.49	14.53	18.11	35- 40	9.331	1134
45.0	12.74	8.129	13.29	10.33	9.231	13.29	7.577	11.22	40- 45	5.454	1140
50.0	8.197	4.064	8.473	4.891	4.684	8.542	3.995	7.440	45- 50	3.330	1143
55.0	5.717	2.204	5.924	2.617	2.548	5.786	2.204	5.304	50- 55	2.204	1145
60.0	4.202	1.308	4.408	1.446	1.515	4.477	1.308	4.202	55- 60	1.544	1147
65.0	3.720	0.758	3.720	1.033	1.102	3.582	0.896	3.513	60- 65	1.244	1148
70.0	3.100	0.689	3.168	0.758	0.827	3.168	0.689	3.031	65- 70	1.056	1149
75.0	2.824	0.482	2.755	0.551	0.620	2.824	0.551	2.686	70- 75	0.911	1150
80.0	2.342	0.413	2.273	0.276	0.413	2.480	0.413	2.411	75- 80	0.808	1151
85.0	2.135	0.276	2.204	0.207	0.482	2.204	0.276	2.135	80- 85	0.713	1152
90.0	1.928	0.276	1.997	0.276	0.413	1.997	0.276	1.928	85- 90	0.645	1152
95.0	1.860	0.276	1.791	0.344	0.413	1.860	0.207	1.860	90- 95	0.593	1153
100.0	1.722	0.207	1.722	0.276	0.482	1.791	0.344	1.653	95-100	0.563	1153
105.0	1.722	0.276	1.584	0.344	0.551	1.653	0.276	1.377	100-105	0.536	1154
110.0	1.515	0.413	1.515	0.344	0.551	1.584	0.413	1.584	105-110	0.501	1154
115.0	1.515	0.413	1.446	0.276	0.551	1.515	0.413	1.446	110-115	0.468	1155
120.0	1.377	0.413	1.377	0.344	0.413	1.240	0.276	1.377	115-120	0.443	1155
125.0	1.377	0.413	1.377	0.482	0.413	1.377	0.413	1.308	120-125	0.414	1156
130.0	1.171	0.551	1.377	0.276	0.689	1.308	0.482	1.377	125-130	0.397	1156
135.0	1.171	0.620	1.308	0.413	0.689	1.102	0.620	1.308	130-135	0.369	1156
140.0	1.515	0.827	1.446	0.758	0.896	1.584	0.964	1.722	135-140	0.396	1157
145.0	1.928	1.240	1.860	1.102	1.722	2.135	1.653	2.548	140-145	0.481	1157
150.0	2.893	2.480	2.617	1.791	2.962	3.237	2.893	3.926	145-150	0.660	1158
155.0	4.340	4.202	4.064	3.375	4.753	4.891	4.615	5.855	150-155	0.924	1159
160.0	5.855	5.924	5.648	5.166	6.337	6.889	6.337	7.302	155-160	1.122	1160
165.0	6.820	6.889	6.682	6.268	7.233	7.715	6.889	7.784	160-165	1.094	1161
170.0	7.164	6.820	7.026	6.682	7.371	7.646	7.233	7.371	165-170	0.848	1162
175.0	6.957	6.337	6.889	6.337	6.889	6.957	6.820	6.682	170-175	0.500	1162
180.0	6.820	5.993	6.820	6.062	6.820	6.337	6.406	6.337	175-180	0.158	1163
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月10日

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

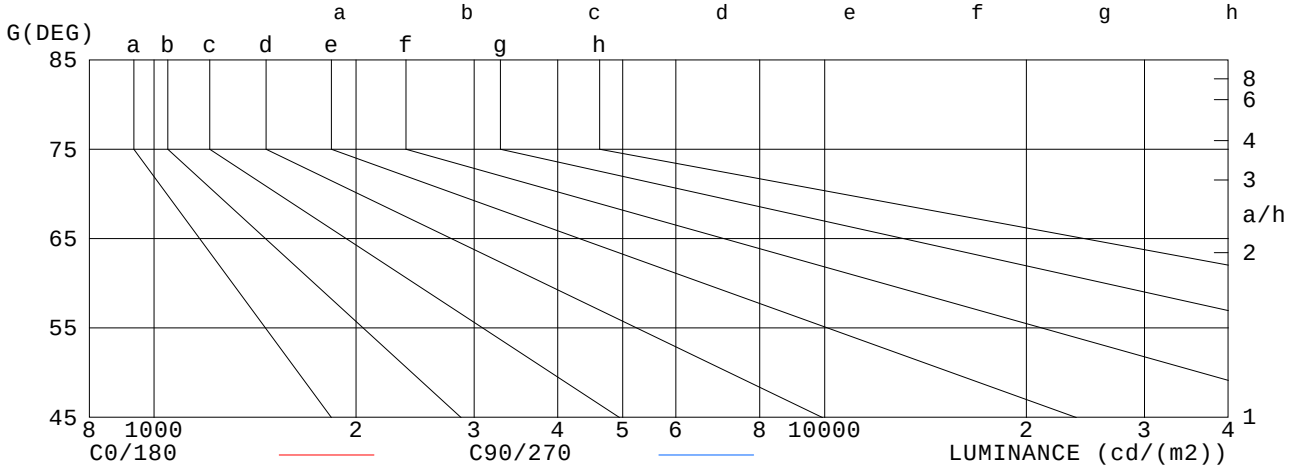
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251183	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	245	253
80	135	131
75	109	106
70	91	93
65	88	88
60	84	88
55	100	103
50	128	132
45	180	188

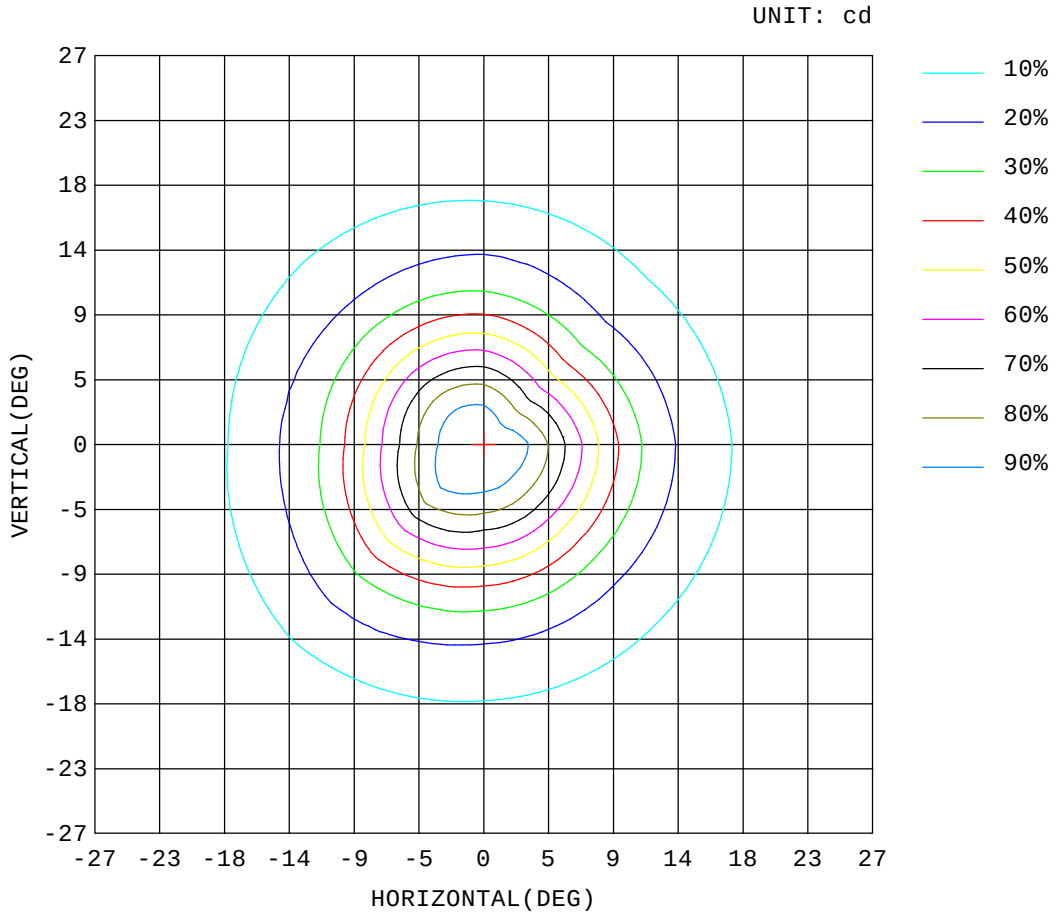
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月10日

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-251183	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



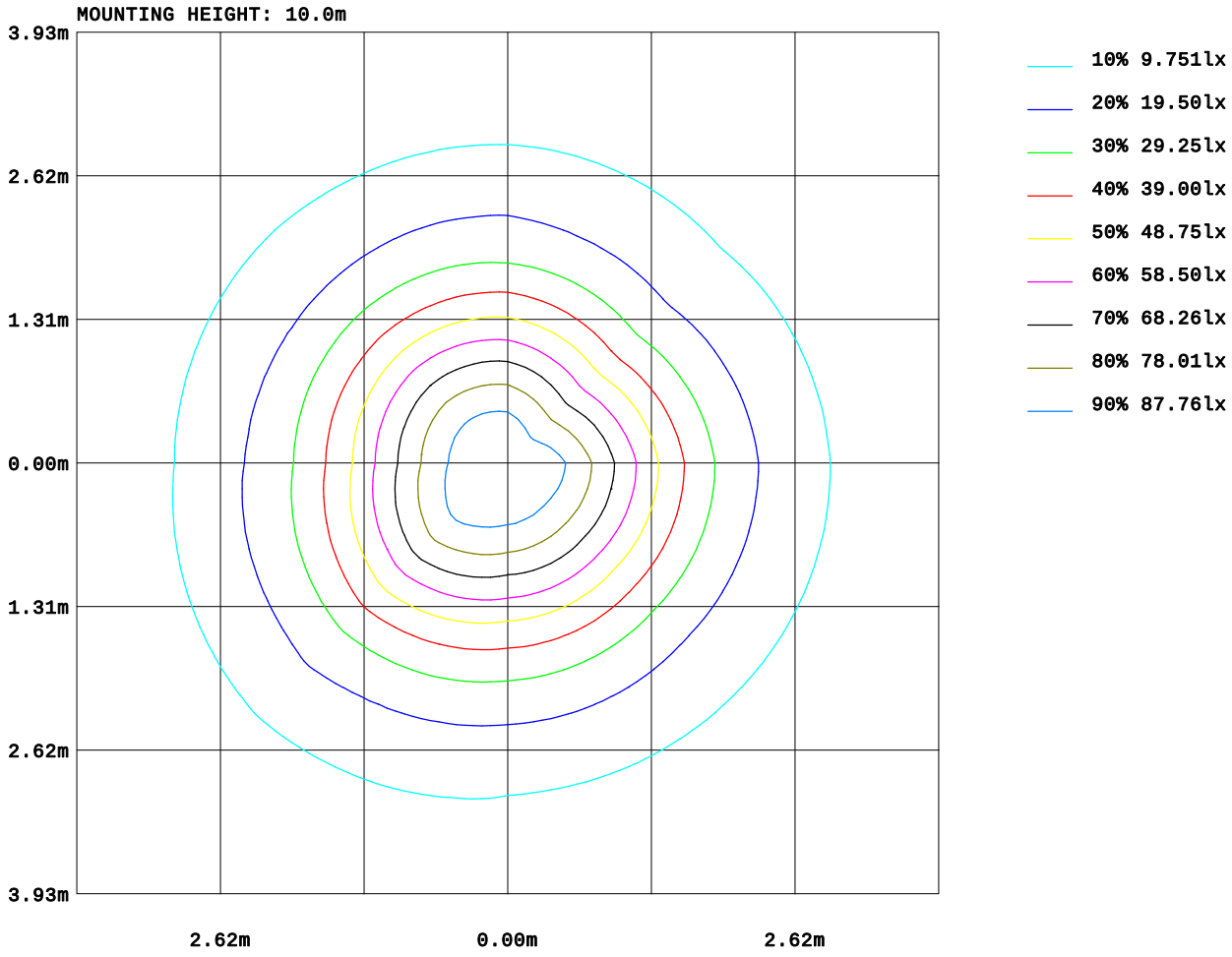
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月10日

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-251183	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月10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-251183	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	0.10	0.13	0.16	0.20	0.24	0.29	0.34	0.38	0.40	0.39	0.34	0.30	0.25	0.20	0.16	0.13	0.10	0.08	4.20	0.00
24	0.13	0.17	0.23	0.29	0.40	0.54	0.67	0.77	0.82	0.79	0.70	0.56	0.42	0.30	0.23	0.17	0.13	0.10	7.42	0.00
21	0.16	0.22	0.31	0.50	0.72	1.00	1.30	1.54	1.64	1.58	1.36	1.06	0.76	0.52	0.33	0.23	0.17	0.13	13.5	0.00
18	0.20	0.29	0.50	0.80	1.26	1.83	2.34	2.69	2.88	2.80	2.47	1.95	1.37	0.86	0.54	0.33	0.23	0.16	23.5	7.31
15	0.24	0.41	0.72	1.27	2.07	2.83	3.65	4.46	4.90	4.70	3.93	3.06	2.25	1.43	0.86	0.52	0.30	0.20	37.8	27.0
12	0.29	0.56	1.02	1.86	2.85	4.20	5.82	7.36	8.23	7.84	6.41	4.64	3.15	2.26	1.36	0.75	0.42	0.25	59.3	50.0
9	0.36	0.69	1.36	2.41	3.79	5.95	8.82	11.8	13.7	12.9	9.95	6.85	4.68	3.11	1.94	1.03	0.54	0.30	90.3	82.6
	0.42	0.81	1.64	2.83	4.81	7.71	12.1	17.2	20.3	19.0	14.3	10.1	6.54	4.04	2.45	1.32	0.66	0.35	127	120
	0.45	0.89	1.80	3.11	5.46	8.96	14.4	20.8	24.9	23.6	19.3	13.3	8.15	4.84	2.82	1.54	0.75	0.39	156	149
	0.46	0.91	1.84	3.21	5.66	9.34	15.1	21.7	25.6	24.9	20.5	14.0	8.47	4.99	2.88	1.57	0.76	0.40	163	156
	0.44	0.86	1.75	3.07	5.37	8.73	13.8	19.5	21.9	20.9	16.9	11.7	7.34	4.43	2.61	1.41	0.69	0.36	142	135
-9	0.39	0.76	1.52	2.70	4.54	7.23	10.8	14.0	15.4	14.7	12.1	8.60	5.64	3.55	2.17	1.14	0.59	0.31	106	99.1
-12	0.32	0.62	1.19	2.18	3.47	5.45	7.32	8.98	9.74	9.29	7.80	5.81	3.97	2.67	1.60	0.85	0.46	0.26	72.0	63.8
-15	0.26	0.47	0.85	1.57	2.54	3.52	4.62	5.50	5.84	5.58	4.80	3.70	2.73	1.81	1.05	0.60	0.34	0.21	46.0	36.5
-18	0.21	0.33	0.59	1.00	1.61	2.25	2.81	3.15	3.29	3.17	2.84	2.35	1.70	1.08	0.66	0.40	0.25	0.17	27.9	14.3
-21	0.16	0.24	0.38	0.61	0.89	1.25	1.61	1.85	1.94	1.87	1.64	1.30	0.94	0.64	0.40	0.26	0.19	0.13	16.3	0.00
-24	0.13	0.18	0.25	0.35	0.51	0.67	0.82	0.94	0.98	0.94	0.84	0.69	0.53	0.37	0.26	0.19	0.14	0.11	8.87	0.00
-27	0.10	0.14	0.18	0.23	0.29	0.36	0.43	0.49	0.51	0.49	0.44	0.37	0.29	0.23	0.18	0.14	0.11	0.08	5.06	0.00
Φ t	4.78	8.67	16.3	28.2	46.5	72.1	107	143	163	156	127	90.5	59.2	37.3	22.5	12.6	6.82	3.98	1163	
Φ a	0.00	0.00	0.00	14.3	36.7	63.7	99.1	136	156	149	119	82.2	49.9	26.6	7.56	0.00	0.00	0.00		943

HORIZONTAL(DEG)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月10日

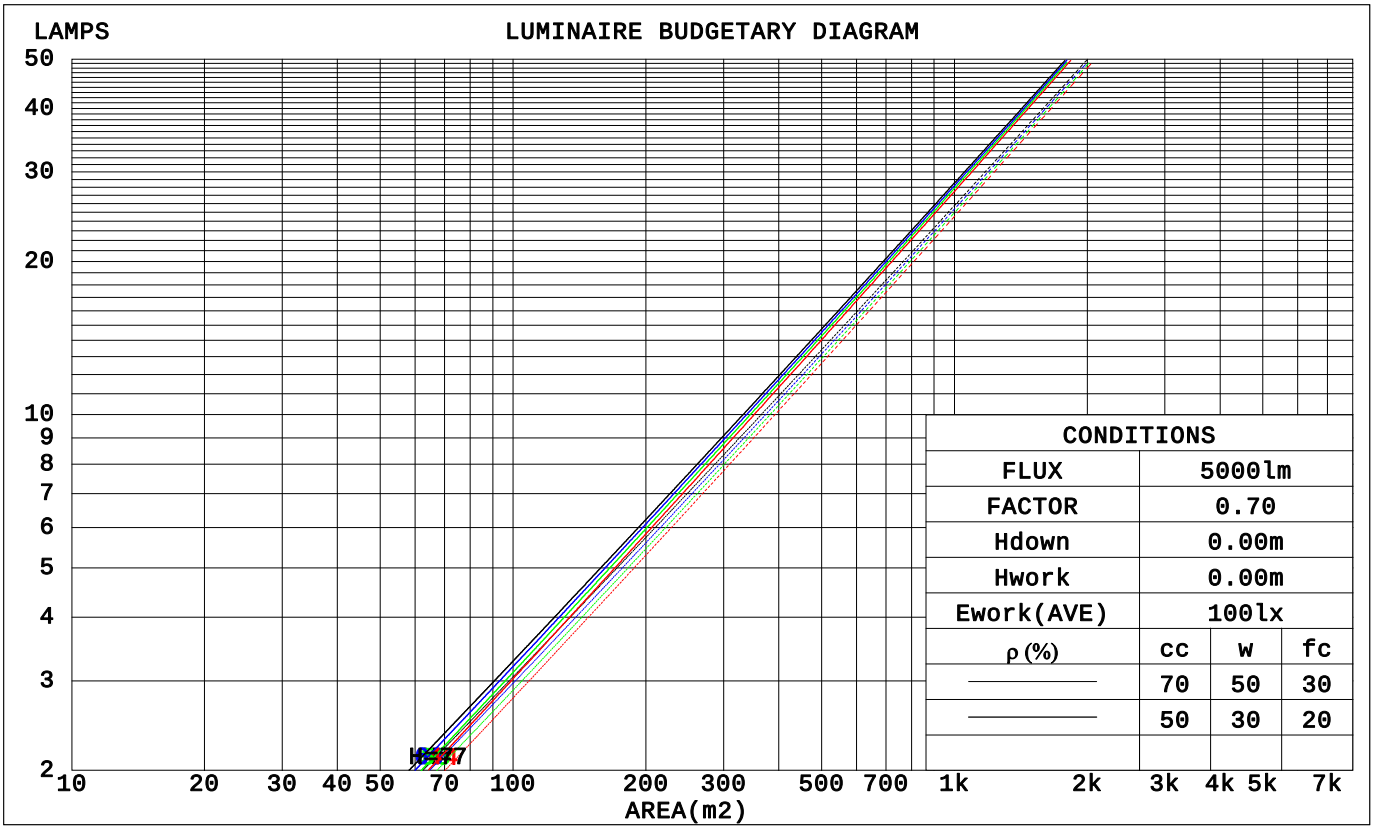
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251183	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	1.06	1.04	1.03	1.02	1.01	.99	.99	.98	.96
2.0	1.08	1.06	1.03	1.07	1.04	1.02	1.03	1.01	.00	1.00	.99	.98	.98	.96	.95	.94
3.0	1.04	1.01	.98	1.03	1.00	.98	1.00	.98	.96	.98	.96	.94	.96	.94	.93	.92
4.0	1.01	.97	.95	.00	.97	.94	.98	.95	.93	.96	.94	.92	.94	.92	.91	.90
5.0	.98	.94	.91	.97	.94	.91	.95	.92	.90	.94	.91	.89	.92	.90	.89	.88
6.0	.95	.91	.89	.94	.91	.88	.93	.90	.88	.92	.89	.87	.91	.88	.87	.86
7.0	.93	.89	.86	.92	.89	.86	.91	.88	.86	.90	.87	.85	.89	.87	.85	.84
8.0	.91	.87	.84	.90	.87	.84	.89	.86	.84	.88	.85	.84	.87	.85	.83	.82
9.0	.89	.85	.83	.88	.85	.82	.87	.84	.82	.87	.84	.82	.86	.83	.82	.81
10.0	.87	.83	.81	.86	.83	.81	.86	.83	.81	.85	.82	.80	.84	.82	.80	.79



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月10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-251183	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	.129	.073	.023	.122	.069	.022	.109	.063	.020	.097	.056	.018	.086	.050	.016	
2.0	.118	.064	.020	.112	.062	.019	.101	.056	.018	.092	.051	.016	.083	.047	.015	
3.0	.108	.058	.017	.104	.056	.017	.095	.051	.016	.087	.048	.015	.079	.044	.014	
4.0	.101	.052	.015	.097	.051	.015	.089	.047	.014	.082	.044	.013	.076	.041	.013	
5.0	.094	.048	.014	.091	.047	.014	.084	.044	.013	.078	.041	.012	.073	.039	.012	
6.0	.088	.044	.013	.085	.043	.012	.080	.041	.012	.075	.039	.011	.070	.037	.011	
7.0	.083	.041	.012	.081	.040	.011	.076	.038	.011	.072	.037	.011	.068	.035	.010	
8.0	.079	.039	.011	.077	.038	.011	.073	.036	.010	.069	.035	.010	.065	.033	.010	
9.0	.075	.036	.010	.073	.036	.010	.070	.034	.010	.066	.033	.009	.063	.032	.009	
10.0	.072	.034	.010	.070	.034	.009	.067	.033	.009	.064	.032	.009	.061	.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	.156	.149	.141	.134	.102	.097	.093	.059	.056	.054	.019	.018	.017	
2.0	.156	.140	.126	.134	.120	.109	.092	.083	.076	.053	.048	.045	.017	.016	.015	
3.0	.140	.120	.104	.120	.104	.090	.083	.072	.063	.048	.042	.037	.015	.014	.012	
4.0	.127	.105	.087	.109	.090	.076	.075	.063	.054	.043	.037	.032	.014	.012	.010	
5.0	.116	.092	.075	.100	.080	.065	.069	.056	.046	.040	.033	.027	.013	.011	.009	
6.0	.107	.082	.064	.092	.071	.056	.063	.050	.040	.037	.029	.024	.012	.010	.008	
7.0	.099	.074	.056	.085	.064	.049	.059	.045	.035	.034	.026	.021	.011	.009	.007	
8.0	.092	.067	.049	.079	.058	.043	.055	.041	.031	.032	.024	.018	.010	.008	.006	
9.0	.086	.061	.044	.074	.053	.038	.051	.037	.027	.030	.022	.016	.010	.007	.005	
10.0	.081	.056	.040	.070	.049	.034	.048	.034	.024	.028	.020	.015	.009	.007	.005	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月10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-251183	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	-5.7	-5.1	-5.5	-5.0	-4.8	-5.2	-4.7	-5.0	-4.5	-4.3
3H	-5.0	-4.5	-4.8	-4.3	-4.1	-4.7	-4.1	-4.4	-3.9	-3.7
4H	-4.5	-4.0	-4.2	-3.8	-3.5	-4.2	-3.7	-3.9	-3.5	-3.2
6H	-3.7	-3.2	-3.4	-3.0	-2.7	-3.5	-3.0	-3.2	-2.7	-2.5
8H	-3.2	-2.7	-2.8	-2.4	-2.2	-2.9	-2.5	-2.6	-2.2	-1.9
12H	-2.5	-2.0	-2.2	-1.8	-1.5	-2.3	-1.8	-2.0	-1.6	-1.3
4H 2H	-5.8	-5.3	-5.6	-5.1	-4.9	-5.4	-4.9	-5.1	-4.6	-4.4
3H	-5.1	-4.6	-4.8	-4.4	-4.1	-4.7	-4.3	-4.4	-4.0	-3.7
4H	-4.4	-4.0	-4.1	-3.7	-3.4	-4.1	-3.7	-3.8	-3.4	-3.1
6H	-3.4	-3.0	-3.0	-2.7	-2.3	-3.2	-2.8	-2.8	-2.5	-2.1
8H	-2.7	-2.3	-2.3	-2.0	-1.6	-2.5	-2.1	-2.1	-1.8	-1.4
12H	-1.8	-1.5	-1.4	-1.1	-0.7	-1.6	-1.3	-1.2	-0.9	-0.5
8H 4H	-4.5	-4.1	-4.1	-3.8	-3.4	-4.2	-3.9	-3.8	-3.5	-3.1
6H	-3.3	-3.1	-2.9	-2.6	-2.2	-3.2	-2.9	-2.7	-2.5	-2.0
8H	-2.5	-2.2	-2.0	-1.8	-1.3	-2.3	-2.1	-1.9	-1.6	-1.2
12H	-1.4	-1.1	-0.9	-0.7	-0.2	-1.2	-1.0	-0.7	-0.5	-0.0
12H 4H	-4.5	-4.2	-4.1	-3.8	-3.4	-4.2	-3.9	-3.8	-3.5	-3.1
6H	-3.4	-3.1	-2.9	-2.7	-2.2	-3.2	-2.9	-2.7	-2.5	-2.0
8H	-2.5	-2.3	-2.0	-1.8	-1.3	-2.3	-2.1	-1.9	-1.7	-1.2
Variations with the observer position at spacings:										
S = 1.0H	+ 1.1 / - 0.8					+ 1.4 / - 1.0				
1.5H	+ 2.2 / - 1.1					+ 2.6 / - 1.3				
2.0H	+ 1.8 / - 1.2					+ 1.8 / - 1.2				

CIE Pub.117 Corrected 1163 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.5)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月10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-251183	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	

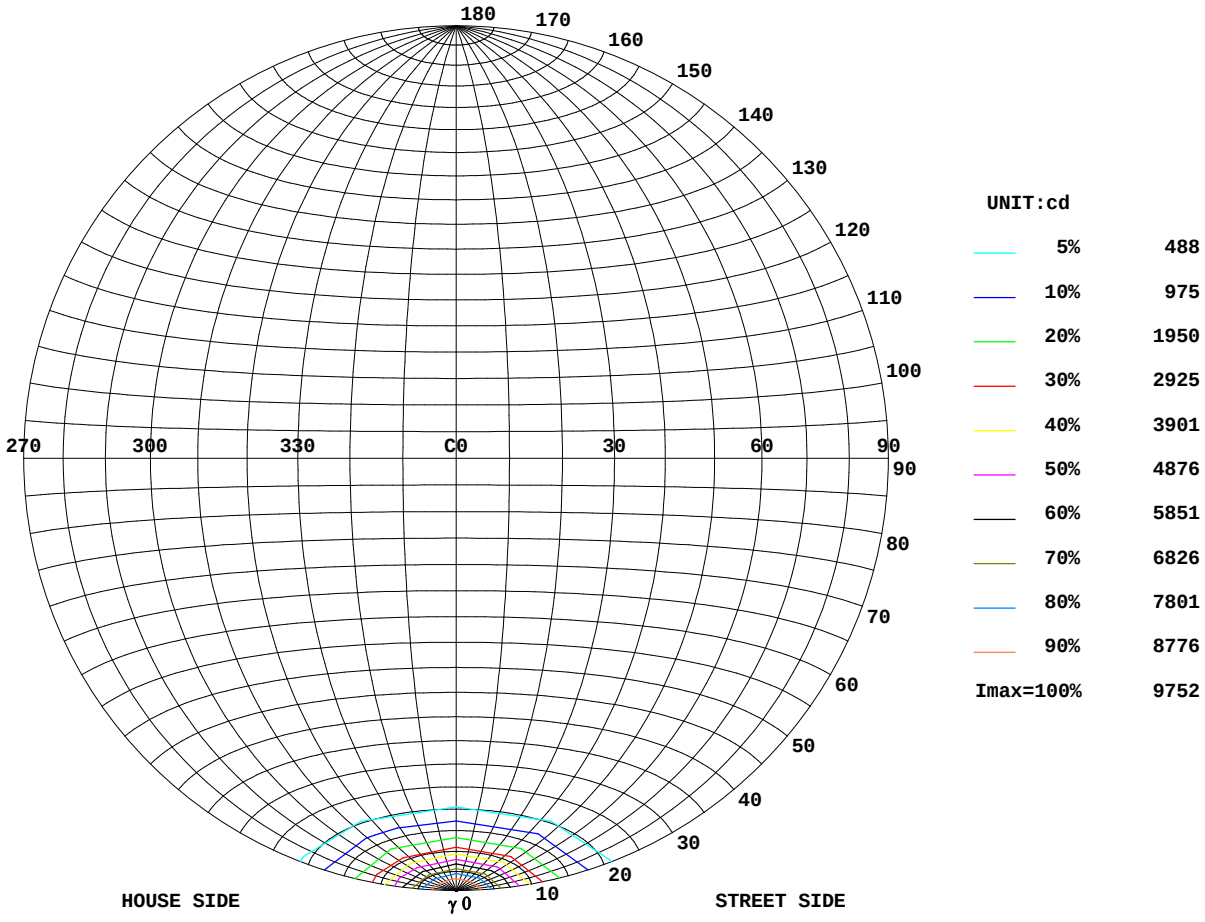
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月10日

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-251183	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月10日

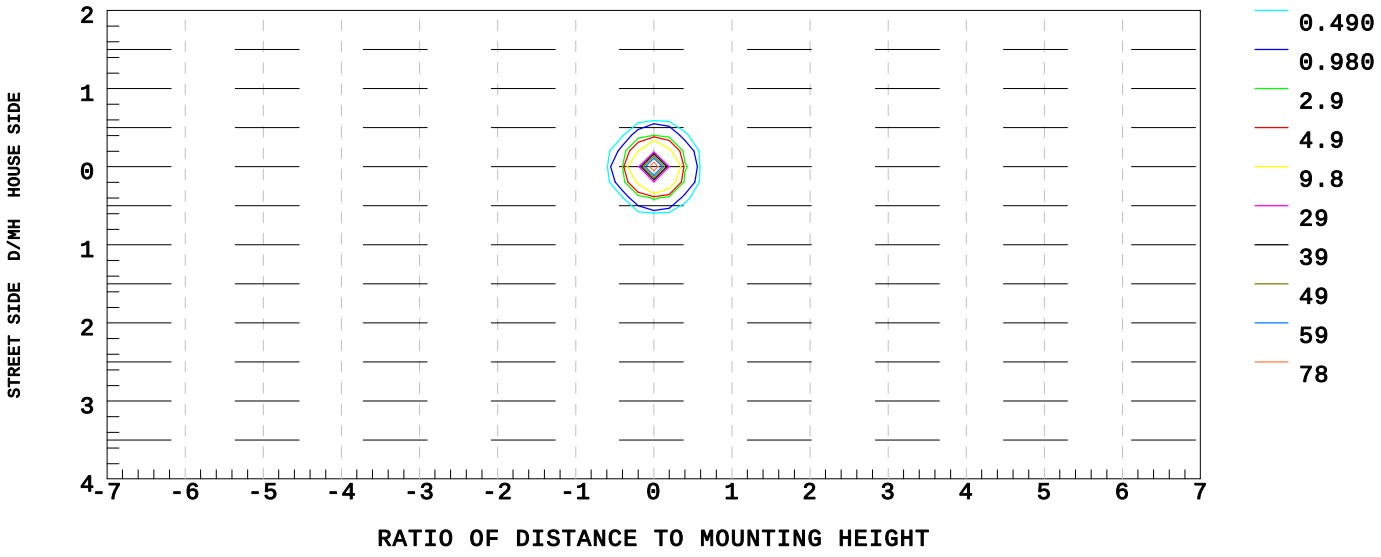
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

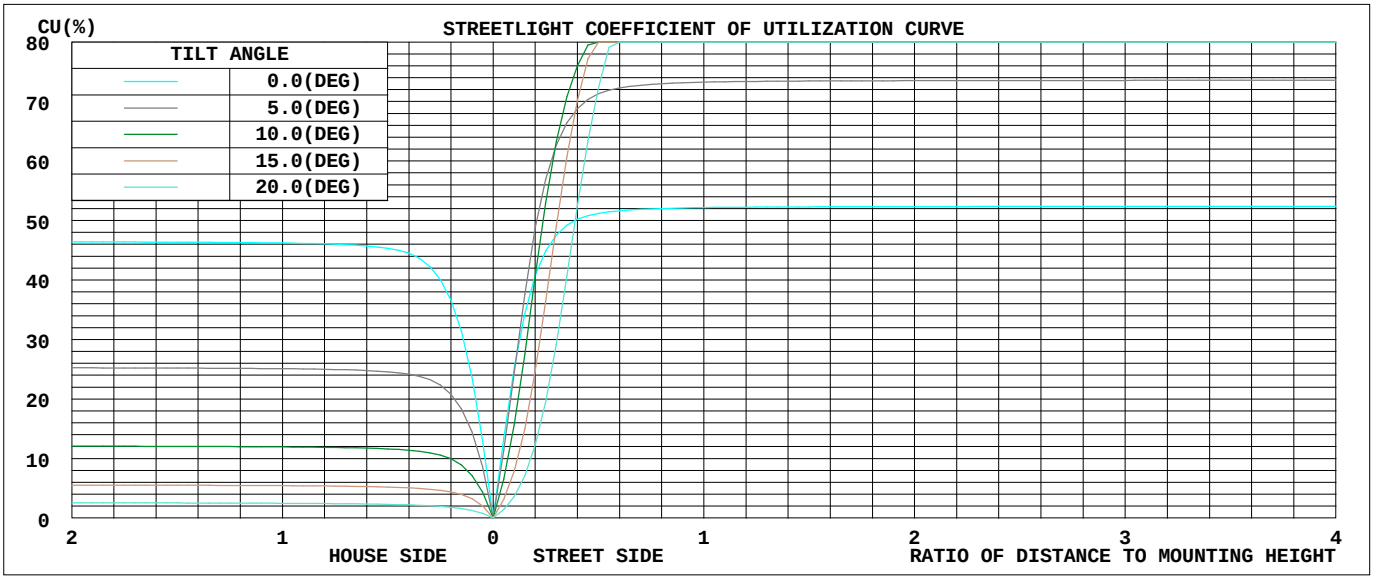
ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251183	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 97.52 lx





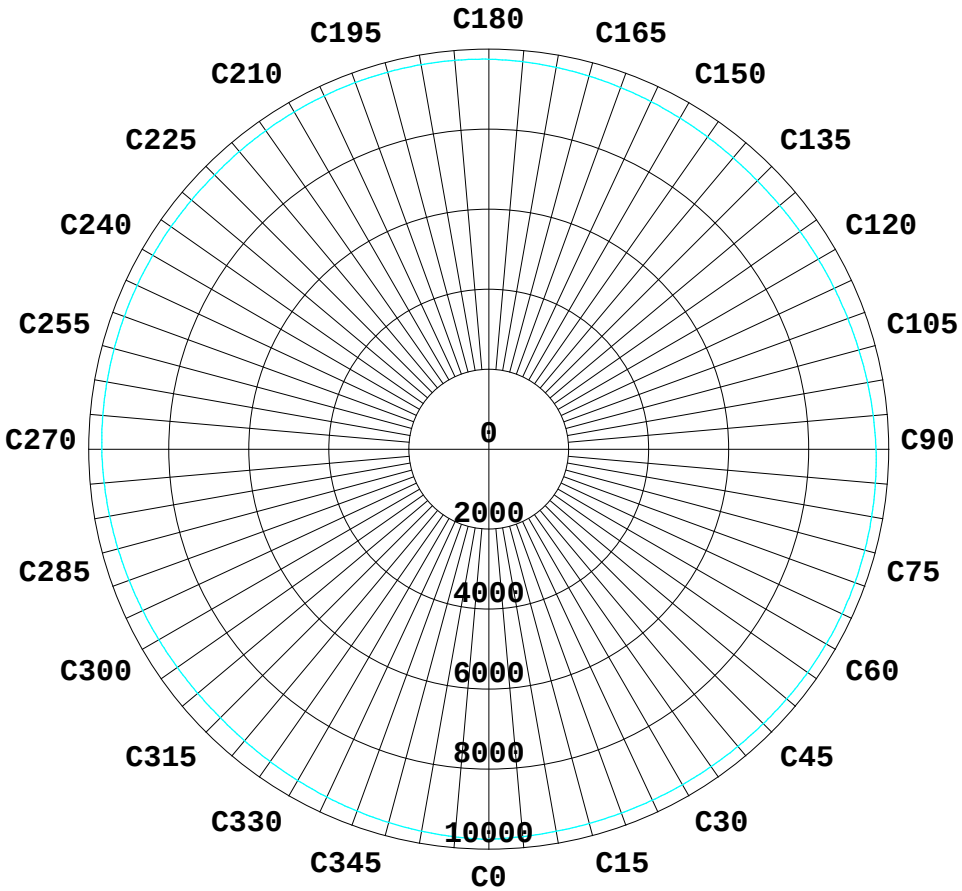
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月10日

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-251183	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月10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-251183	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG) \ C(DEG)	0	45	90	135	180	225	270	315
0.0	9752	9700	9679	9494	9752	9700	9679	9494
5.0	7426	7355	7647	8304	7539	7540	7165	6330
10.0	3463	3471	3776	4432	3664	3606	3236	2743
15.0	1485	1413	1625	2065	1530	1523	1334	1155
20.0	546	526	629	794	634	640	530	413
25.0	177	152	204	242	217	204	150	113
30.0	73.2	66.1	84.5	88.2	74.1	80.9	63.2	60.5
35.0	39.6	34.3	45.4	43.6	37.4	43.8	29.4	32.5
40.0	21.7	16.7	23.9	21.4	18.6	23.4	14.5	18.1
45.0	12.7	8.12	13.2	10.3	9.23	13.2	7.57	11.2
50.0	8.19	4.06	8.47	4.89	4.68	8.54	3.99	7.44
55.0	5.71	2.20	5.92	2.61	2.54	5.78	2.20	5.30
60.0	4.20	1.30	4.40	1.44	1.51	4.47	1.30	4.20
65.0	3.72	0.76	3.72	1.03	1.10	3.58	0.90	3.51
70.0	3.10	0.69	3.16	0.76	0.83	3.16	0.69	3.03
75.0	2.82	0.48	2.75	0.55	0.62	2.82	0.55	2.68
80.0	2.34	0.41	2.27	0.28	0.41	2.48	0.41	2.41
85.0	2.13	0.28	2.20	0.21	0.48	2.20	0.28	2.13
90.0	1.92	0.28	1.99	0.28	0.41	1.99	0.28	1.92
95.0	1.86	0.28	1.79	0.34	0.41	1.86	0.21	1.86
100.0	1.72	0.21	1.72	0.28	0.48	1.79	0.34	1.65
105.0	1.72	0.28	1.58	0.34	0.55	1.65	0.28	1.37
110.0	1.51	0.41	1.51	0.34	0.55	1.58	0.41	1.58
115.0	1.51	0.41	1.44	0.28	0.55	1.51	0.41	1.44
120.0	1.37	0.41	1.37	0.34	0.41	1.24	0.28	1.37
125.0	1.37	0.41	1.37	0.48	0.41	1.37	0.41	1.30
130.0	1.17	0.55	1.37	0.28	0.69	1.30	0.48	1.37
135.0	1.17	0.62	1.30	0.41	0.69	1.10	0.62	1.30
140.0	1.51	0.83	1.44	0.76	0.90	1.58	0.96	1.72
145.0	1.92	1.24	1.86	1.10	1.72	2.13	1.65	2.54
150.0	2.89	2.48	2.61	1.79	2.96	3.23	2.89	3.92
155.0	4.34	4.20	4.06	3.37	4.75	4.89	4.61	5.85
160.0	5.85	5.92	5.64	5.16	6.33	6.88	6.33	7.30
165.0	6.82	6.88	6.68	6.26	7.23	7.71	6.88	7.78
170.0	7.16	6.82	7.02	6.68	7.37	7.64	7.23	7.37
175.0	6.95	6.33	6.88	6.33	6.88	6.95	6.82	6.68
180.0	6.82	5.99	6.82	6.06	6.82	6.33	6.40	6.33

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月10日

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