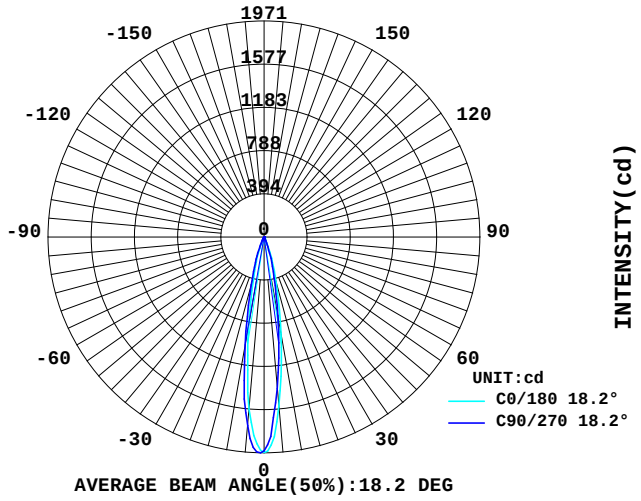
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251044	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

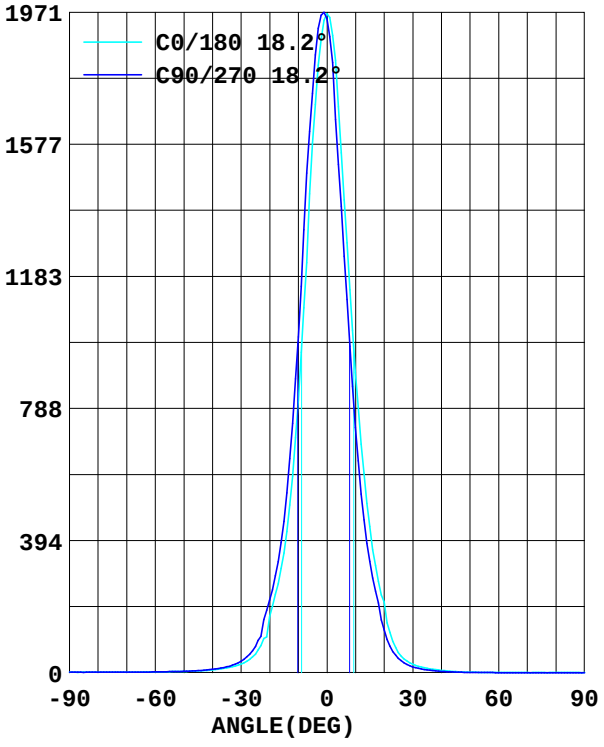
DATA OF LAMP		Imax(cd)	1971	S/MH(C0/180)	0.30
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.35
NOMINAL POWER(W)	5	TOTAL FLUX(lm)	288.46	Voltage(V)	23.78
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	56.6	Current(A)	0.214
NOMINAL FLUX(lm)	288.5	η up(%)	1.1	Power(W)	5.100
LAMPS QUANTITY	1	η down(%)	98.9	Power Factor(PF)	1.000
TEST VOLTAGE(V)	23.8	Effictive Flux(lm)	235.8	EEI	0.203

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):18.2 DEG

LUMINOUS INTENSITY DISTRIBUTION



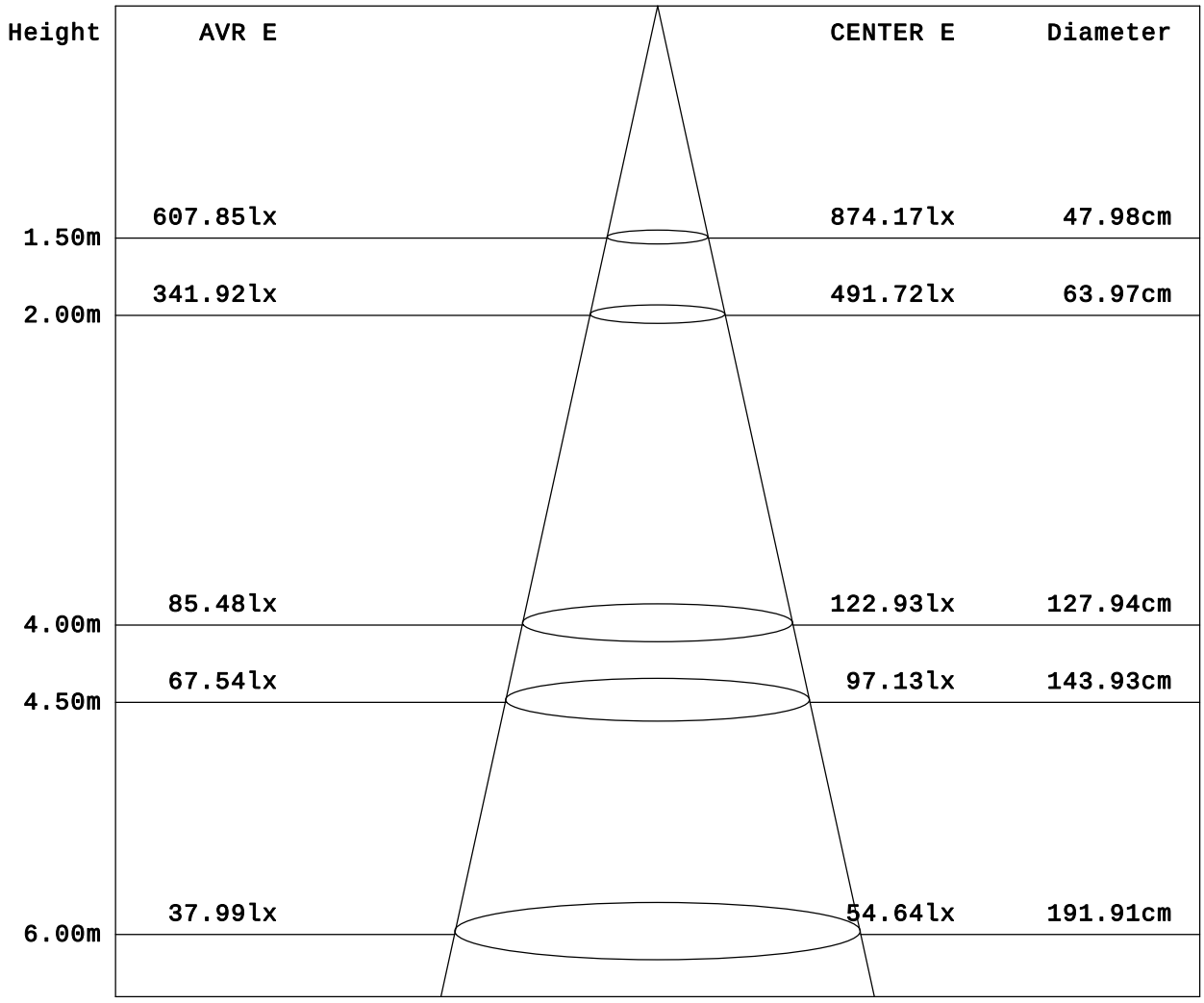
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08日

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-251044	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Angle:18.2deg

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08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-251044	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	1580	1629	1729	1584	1551	1515	1391	1494	0- 5	41.90	41.90
10.0	813.7	896.7	1002	906.0	894.3	818.7	731.6	775.7	5- 10	83.19	125.0
15.0	356.7	391.8	451.6	426.4	436.5	383.4	331.5	345.0	10- 15	69.31	194.4
20.0	166.5	204.3	216.4	204.7	210.2	175.6	127.5	157.8	15- 20	44.35	238.7
25.0	55.24	59.31	77.43	62.82	59.58	56.55	42.16	51.94	20- 25	21.51	260.2
30.0	25.35	24.04	34.37	26.10	25.42	26.10	17.01	23.69	25- 30	9.777	270.0
35.0	13.84	11.09	17.22	11.57	12.60	14.60	7.853	12.67	30- 35	5.264	275.3
40.0	7.853	5.580	9.920	6.131	6.544	8.404	3.720	7.302	35- 40	3.166	278.4
45.0	5.166	2.686	5.924	3.168	3.237	5.166	1.791	4.684	40- 45	1.954	280.4
50.0	3.582	1.171	3.926	1.308	1.308	3.513	0.827	2.962	45- 50	1.214	281.6
55.0	2.755	0.413	2.893	0.551	0.689	2.686	0.069	2.480	50- 55	0.827	282.4
60.0	2.135	0.138	1.928	0.207	0.207	2.135	0	1.997	55- 60	0.611	283.0
65.0	1.860	0.138	1.791	0	0.344	1.791	0	1.722	60- 65	0.493	283.5
70.0	1.584	0	1.446	0	0.207	1.515	0	1.446	65- 70	0.420	284.0
75.0	1.446	0	1.377	0	0.138	1.377	0	1.308	70- 75	0.380	284.3
80.0	1.308	0	1.308	0	0.207	1.308	0	1.240	75- 80	0.349	284.7
85.0	1.102	0	0.896	0	0.069	0.827	0	1.033	80- 85	0.322	285.0
90.0	1.033	0	0.964	0	0.207	0.964	0	0.896	85- 90	0.284	285.3
95.0	0.896	0	0.827	0	0.138	0.827	0	0.827	90- 95	0.257	285.5
100.0	0.827	0	0.827	0	0	0.758	0	0.758	95-100	0.235	285.8
105.0	0.896	0	0.758	0	0.207	0.758	0	0.758	100-105	0.212	286.0
110.0	0.758	0	0.689	0	0	0.689	0	0.689	105-110	0.190	286.2
115.0	0.620	0	0.620	0	0	0.620	0	0.344	110-115	0.170	286.4
120.0	0.620	0	0.344	0	0.207	0.620	0	0.482	115-120	0.154	286.5
125.0	0.620	0	0.551	0	0.276	0.551	0	0.551	120-125	0.144	286.6
130.0	0.620	0	0.413	0	0	0.344	0	0.482	125-130	0.129	286.8
135.0	0.620	0	0.413	0	0.344	0.551	0	0.276	130-135	0.110	286.9
140.0	0.551	0	0.482	0.069	0.482	0.551	0.138	0.344	135-140	0.113	287.0
145.0	0.551	0	0.551	0.138	0.620	0.689	0.069	0.758	140-145	0.134	287.1
150.0	0.758	0.413	0.758	0.138	0.758	0.964	0.482	0.964	145-150	0.171	287.3
155.0	1.033	0.827	0.964	0.758	1.377	1.377	1.033	1.377	150-155	0.226	287.5
160.0	1.515	0.964	1.308	1.171	1.722	1.653	1.377	1.722	155-160	0.267	287.8
165.0	1.515	1.308	1.653	1.377	1.997	1.860	1.584	1.653	160-165	0.253	288.1
170.0	1.860	1.446	1.722	1.446	2.066	1.860	1.584	1.791	165-170	0.200	288.3
175.0	1.860	1.446	1.791	1.308	2.066	1.791	1.515	1.722	170-175	0.120	288.4
180.0	1.722	1.308	1.722	1.446	1.997	1.653	1.515	1.584	175-180	0.039	288.4
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08日

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

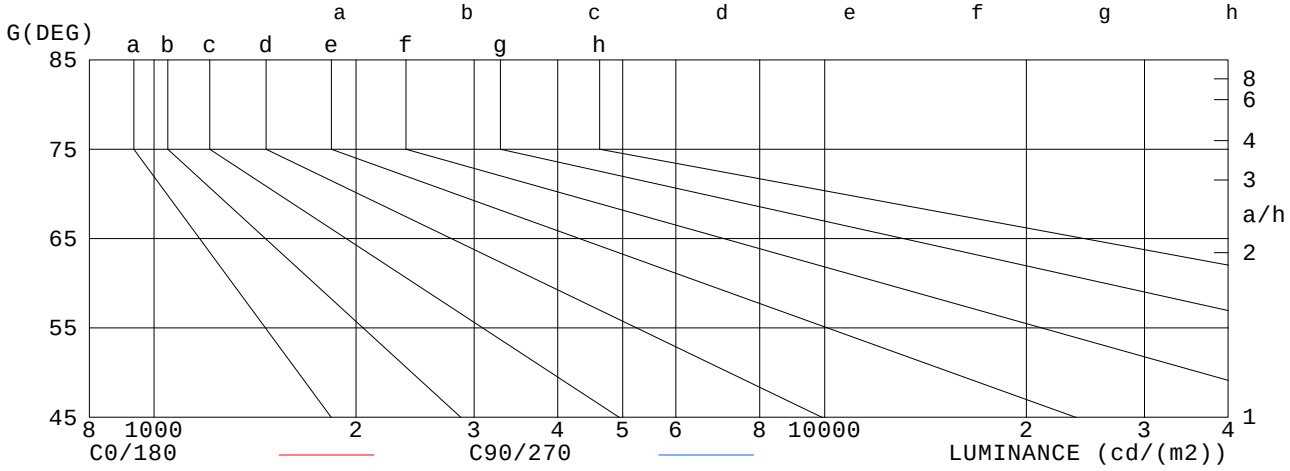
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251044	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	126	103
80	75	75
75	56	53
70	46	42
65	44	42
60	43	39
55	48	50
50	56	61
45	73	84

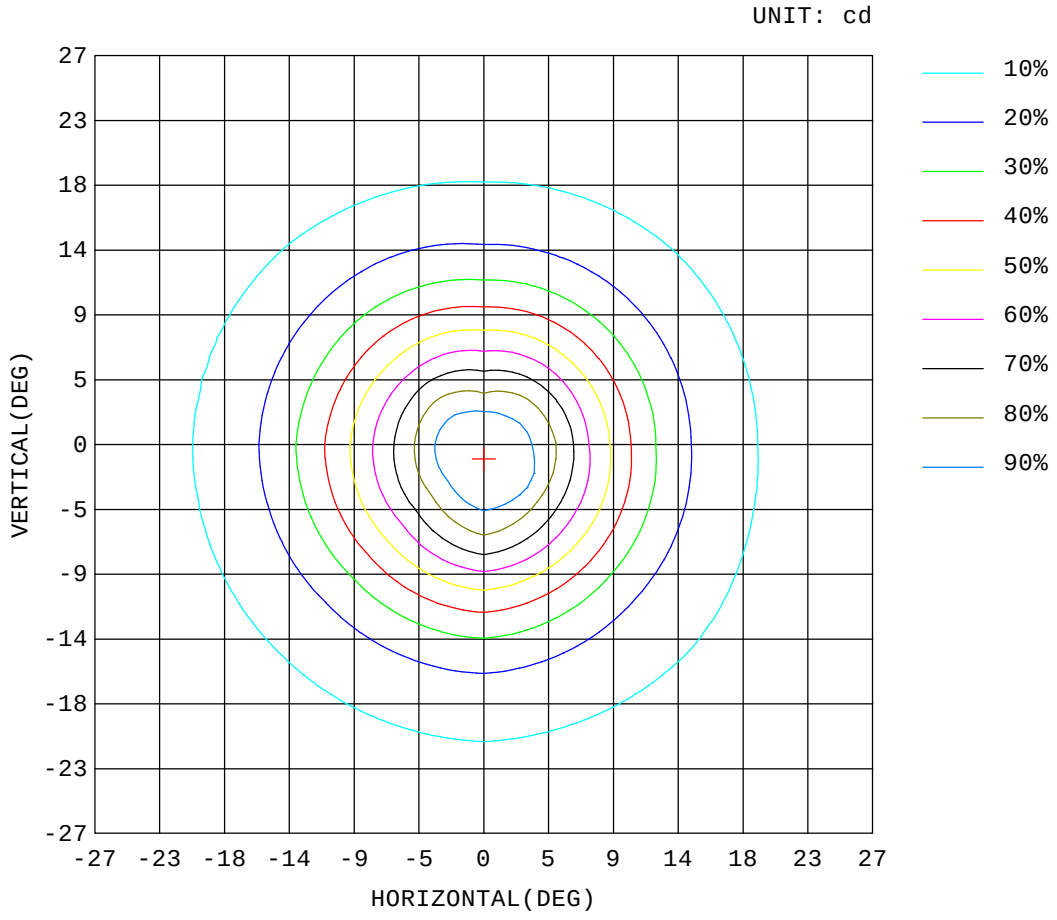
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08日

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-251044	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



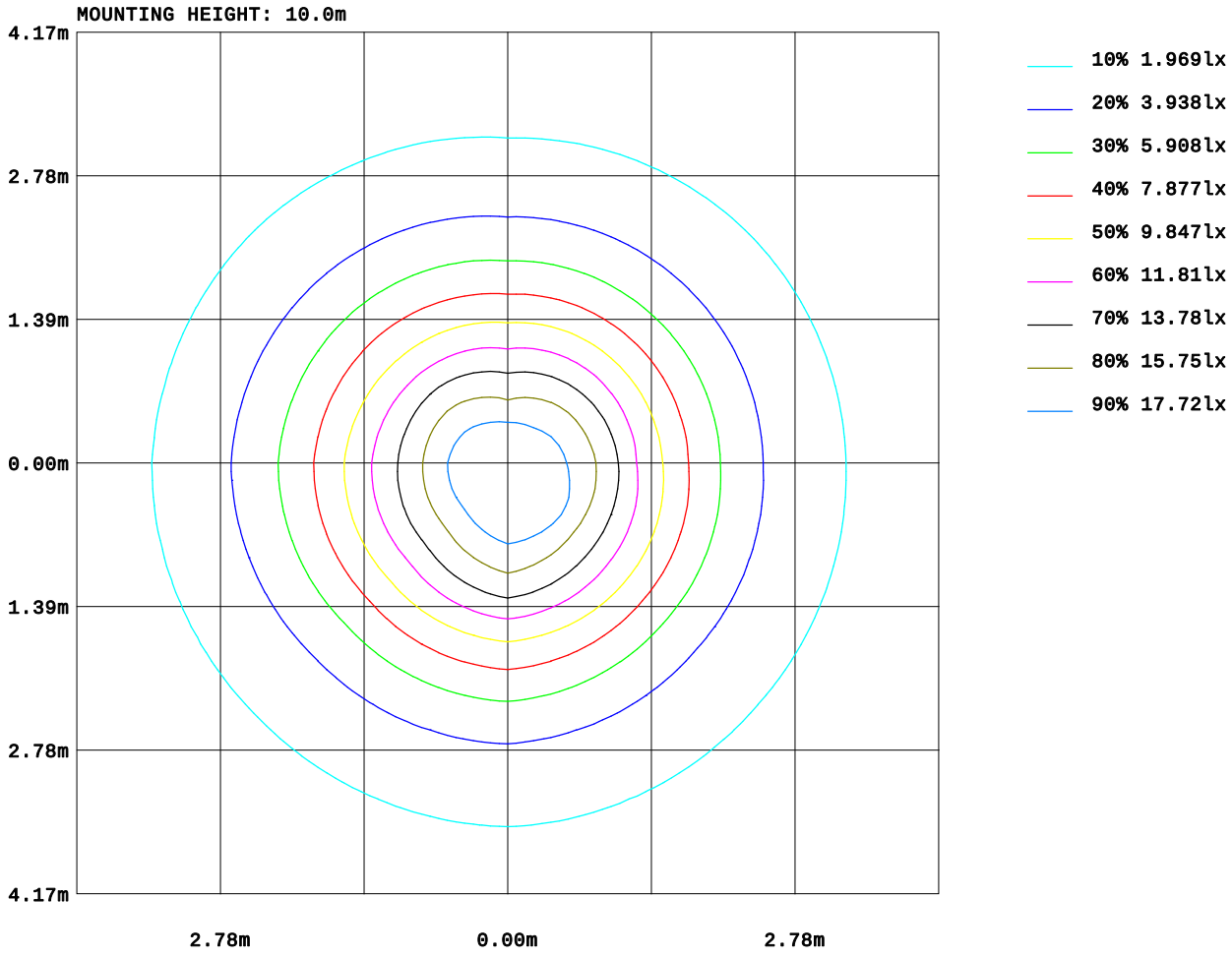
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08日

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-251044	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08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-251044	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

VERTICAL(DEG)	AREA FLUX DIAGRAM UNIT:lm																		Φ t	Φ a
27	0.03	0.04	0.05	0.06	0.08	0.09	0.10	0.11	0.11	0.11	0.11	0.10	0.08	0.07	0.06	0.05	0.04	0.03	1.31	0.00
24	0.04	0.06	0.07	0.09	0.12	0.15	0.17	0.19	0.20	0.20	0.19	0.17	0.14	0.11	0.09	0.07	0.05	0.04	2.13	0.00
21	0.05	0.07	0.10	0.14	0.19	0.25	0.32	0.38	0.40	0.40	0.37	0.31	0.24	0.18	0.13	0.09	0.07	0.05	3.73	0.00
18	0.06	0.09	0.14	0.21	0.31	0.47	0.61	0.70	0.73	0.72	0.67	0.57	0.44	0.30	0.19	0.13	0.09	0.06	6.50	3.81
15	0.08	0.12	0.20	0.33	0.55	0.75	0.94	1.09	1.16	1.15	1.04	0.88	0.69	0.50	0.30	0.18	0.11	0.07	10.1	8.32
12	0.10	0.16	0.28	0.52	0.78	1.07	1.42	1.72	1.87	1.85	1.65	1.31	0.97	0.69	0.46	0.24	0.14	0.09	15.3	13.8
9	0.11	0.20	0.39	0.67	1.01	1.48	2.04	2.55	2.85	2.83	2.49	1.92	1.33	0.89	0.59	0.33	0.18	0.11	22.0	20.6
	0.13	0.24	0.49	0.80	1.25	1.90	2.68	3.52	3.99	3.97	3.47	2.57	1.71	1.07	0.69	0.40	0.21	0.12	29.2	28.0
	0.14	0.27	0.55	0.89	1.42	2.20	3.17	4.25	4.98	4.93	4.26	3.05	1.98	1.20	0.75	0.45	0.22	0.13	34.8	33.7
	0.14	0.27	0.55	0.90	1.44	2.24	3.25	4.34	5.17	5.23	4.44	3.16	2.04	1.23	0.76	0.46	0.23	0.13	36.0	34.8
	0.13	0.25	0.51	0.82	1.30	2.01	2.89	3.84	4.63	4.70	3.92	2.85	1.85	1.13	0.72	0.43	0.22	0.12	32.3	31.2
-9	0.12	0.21	0.43	0.71	1.07	1.61	2.29	3.03	3.64	3.66	3.04	2.24	1.49	0.96	0.63	0.37	0.19	0.11	25.8	24.5
-12	0.10	0.17	0.32	0.57	0.83	1.19	1.65	2.13	2.48	2.48	2.10	1.58	1.10	0.76	0.53	0.28	0.16	0.09	18.5	17.1
-15	0.08	0.13	0.23	0.40	0.63	0.85	1.11	1.38	1.57	1.56	1.34	1.06	0.80	0.59	0.37	0.21	0.12	0.08	12.5	10.9
-18	0.06	0.10	0.15	0.25	0.42	0.60	0.75	0.88	0.97	0.97	0.86	0.72	0.58	0.40	0.24	0.15	0.09	0.06	8.26	6.25
-21	0.05	0.07	0.11	0.16	0.24	0.36	0.49	0.58	0.63	0.63	0.57	0.48	0.35	0.23	0.15	0.10	0.07	0.05	5.31	2.28
-24	0.04	0.05	0.08	0.11	0.15	0.20	0.26	0.32	0.36	0.36	0.32	0.25	0.20	0.14	0.10	0.07	0.05	0.04	3.09	0.00
-27	0.03	0.04	0.05	0.07	0.10	0.12	0.15	0.18	0.19	0.19	0.17	0.15	0.12	0.09	0.07	0.05	0.04	0.03	1.84	0.00
	-27	-24	-21	-18	-15	-12	-9	-6	HORIZONTAL(DEG)	6	9	12	15	18	21	24	27			
Φ t	1.47	2.54	4.69	7.71	11.9	17.5	24.3	31.2	36.0	35.9	31.0	23.3	16.1	10.5	6.82	4.06	2.27	1.38	288	
Φ a	0.00	0.00	1.62	5.64	10.1	15.9	22.8	29.8	34.6	34.6	29.7	21.8	14.5	8.75	4.54	0.61	0.00	0.00		236

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08日

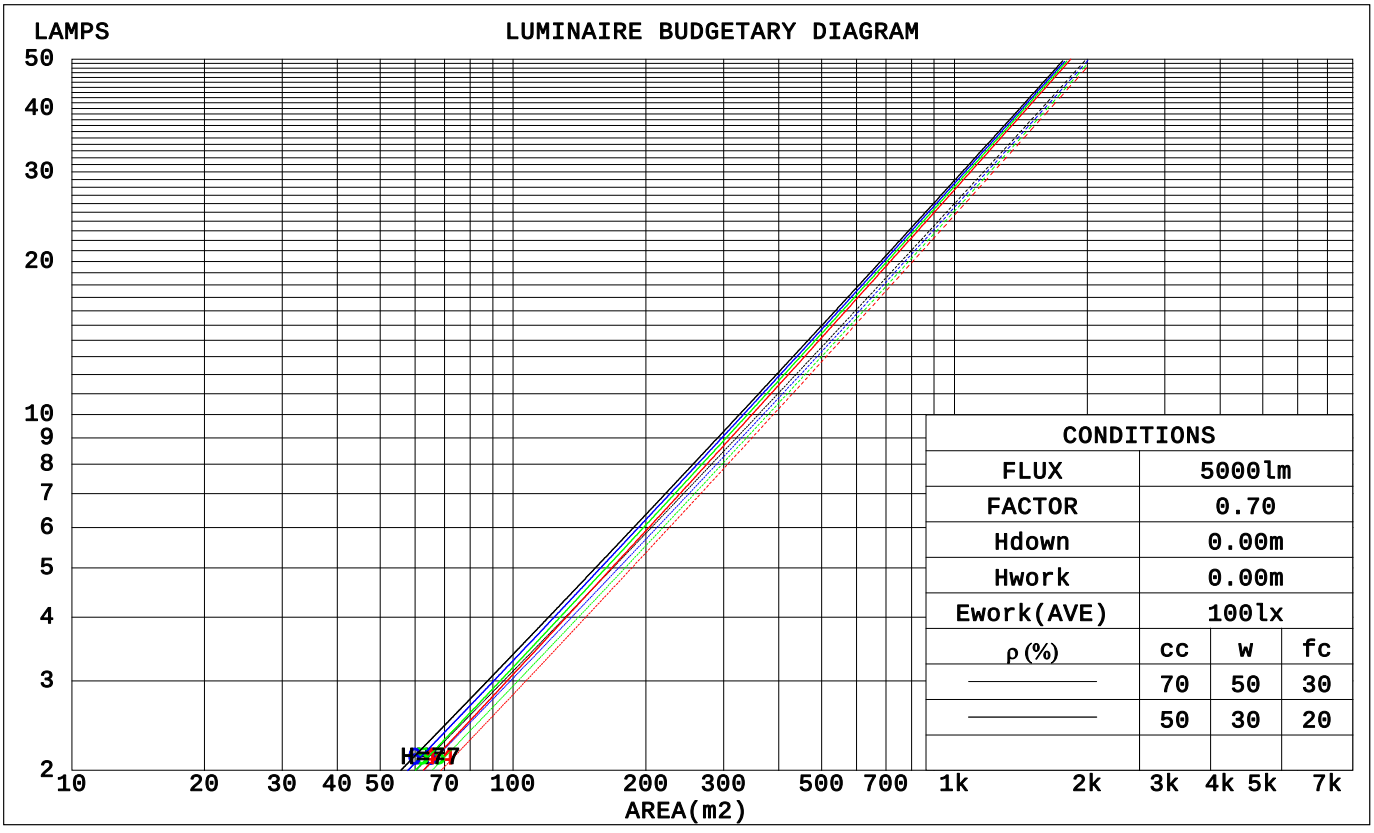
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251044	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	1.10	1.09	1.07	1.06	1.05	1.04	1.02	1.01	1.01	.99	.98	.97	.96
2.0	1.08	1.05	1.02	1.06	1.03	1.01	1.03	1.00	.99	.00	.98	.96	.97	.95	.94	.93
3.0	1.03	.00	.97	1.02	.99	.96	.99	.97	.94	.97	.95	.93	.95	.93	.91	.90
4.0	.99	.96	.93	.98	.95	.92	.96	.93	.91	.94	.92	.90	.92	.90	.89	.88
5.0	.96	.92	.89	.95	.92	.89	.94	.90	.88	.92	.89	.87	.90	.88	.86	.85
6.0	.93	.89	.86	.92	.89	.86	.91	.88	.85	.90	.87	.85	.88	.86	.84	.83
7.0	.91	.87	.84	.90	.86	.84	.89	.85	.83	.88	.85	.83	.87	.84	.82	.81
8.0	.88	.84	.81	.88	.84	.81	.87	.83	.81	.86	.83	.81	.85	.82	.80	.79
9.0	.86	.82	.79	.85	.82	.79	.85	.81	.79	.84	.81	.79	.83	.80	.78	.78
10.0	.84	.80	.78	.83	.80	.77	.83	.79	.77	.82	.79	.77	.81	.79	.77	.76



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08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-251044	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	.136	.077	.025	.129	.074	.023	.116	.067	.021	.104	.060	.019	.093	.054	.017	
2.0	.125	.068	.021	.119	.066	.020	.108	.060	.019	.098	.055	.017	.089	.050	.016	
3.0	.115	.061	.018	.111	.059	.018	.102	.055	.017	.093	.051	.016	.085	.047	.015	
4.0	.107	.056	.016	.103	.054	.016	.096	.051	.015	.089	.048	.014	.082	.045	.014	
5.0	.100	.051	.015	.097	.050	.015	.091	.047	.014	.084	.045	.013	.079	.042	.013	
6.0	.095	.047	.014	.092	.046	.013	.086	.044	.013	.081	.042	.012	.076	.040	.012	
7.0	.089	.044	.013	.087	.043	.012	.082	.041	.012	.077	.040	.012	.073	.038	.011	
8.0	.085	.041	.012	.083	.041	.011	.078	.039	.011	.074	.038	.011	.070	.036	.011	
9.0	.081	.039	.011	.079	.038	.011	.075	.037	.011	.071	.036	.010	.068	.035	.010	
10.0	.077	.037	.010	.075	.036	.010	.072	.035	.010	.069	.034	.010	.066	.033	.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	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.177	.166	.156	.151	.142	.135	.103	.098	.093	.059	.057	.054	.019	.018	.018	
2.0	.158	.141	.127	.136	.121	.109	.093	.084	.076	.054	.049	.045	.017	.016	.015	
3.0	.143	.122	.105	.123	.105	.091	.084	.073	.064	.049	.043	.037	.016	.014	.012	
4.0	.130	.106	.088	.112	.092	.076	.077	.064	.054	.044	.037	.032	.014	.012	.010	
5.0	.120	.094	.075	.103	.081	.065	.071	.057	.046	.041	.033	.027	.013	.011	.009	
6.0	.110	.084	.065	.095	.073	.056	.065	.051	.040	.038	.030	.024	.012	.010	.008	
7.0	.103	.076	.057	.088	.066	.049	.061	.046	.035	.035	.027	.021	.011	.009	.007	
8.0	.096	.069	.050	.083	.060	.044	.057	.042	.031	.033	.025	.018	.011	.008	.006	
9.0	.090	.063	.045	.078	.055	.039	.054	.038	.028	.031	.023	.017	.010	.007	.005	
10.0	.085	.058	.040	.073	.051	.035	.051	.036	.025	.030	.021	.015	.010	.007	.005	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08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-251044	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	-7.7	-7.1	-7.5	-7.0	-6.8	-7.0	-6.4	-6.8	-6.2	-6.0
3H	-6.8	-6.2	-6.5	-6.0	-5.8	-6.2	-5.6	-5.9	-5.4	-5.2
4H	-6.0	-5.4	-5.7	-5.2	-5.0	-5.7	-5.1	-5.4	-4.9	-4.7
6H	-4.7	-4.2	-4.4	-3.9	-3.7	-4.5	-4.0	-4.2	-3.8	-3.5
8H	-3.9	-3.4	-3.6	-3.2	-2.9	-3.9	-3.4	-3.6	-3.1	-2.8
12H	-3.0	-2.5	-2.6	-2.2	-1.9	-3.1	-2.6	-2.8	-2.4	-2.1
4H 2H	-7.9	-7.4	-7.6	-7.1	-6.9	-7.2	-6.6	-6.9	-6.4	-6.2
3H	-6.9	-6.4	-6.6	-6.1	-5.8	-6.3	-5.9	-6.0	-5.6	-5.3
4H	-5.9	-5.5	-5.5	-5.1	-4.8	-5.7	-5.2	-5.3	-4.9	-4.6
6H	-4.3	-3.9	-3.9	-3.6	-3.2	-4.3	-3.9	-3.9	-3.5	-3.2
8H	-3.4	-3.0	-3.0	-2.6	-2.2	-3.4	-3.0	-3.0	-2.6	-2.3
12H	-2.1	-1.8	-1.7	-1.4	-1.0	-2.4	-2.1	-2.0	-1.7	-1.3
8H 4H	-6.0	-5.6	-5.6	-5.3	-4.9	-5.8	-5.4	-5.4	-5.0	-4.7
6H	-4.3	-4.0	-3.9	-3.6	-3.2	-4.3	-4.0	-3.8	-3.6	-3.1
8H	-3.2	-2.9	-2.7	-2.5	-2.0	-3.2	-3.0	-2.8	-2.5	-2.1
12H	-1.6	-1.4	-1.2	-0.9	-0.5	-2.1	-1.8	-1.6	-1.4	-0.9
12H 4H	-6.0	-5.7	-5.6	-5.3	-4.9	-5.8	-5.5	-5.4	-5.1	-4.7
6H	-4.3	-4.1	-3.9	-3.6	-3.2	-4.3	-4.0	-3.8	-3.6	-3.1
8H	-3.2	-3.0	-2.7	-2.5	-2.0	-3.3	-3.0	-2.8	-2.6	-2.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.8 / - 0.5					+ 1.1 / - 0.6				
1.5H	+ 1.5 / - 1.4					+ 2.2 / - 1.3				
2.0H	+ 1.3 / - 2.0					+ 1.8 / - 2.0				

CIE Pub.117 Corrected 288.4 lm Total Lamp Luminous Flux.(8log(F/F0) = -4.3)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08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-251044	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	89	84	80	89	83	80	88	83	80	76
0.80	96	91	88	96	91	87	95	90	87	84
1.00	100	95	92	100	95	91	98	94	91	87
1.25	104	99	96	103	99	95	101	97	95	90
1.50	107	102	99	105	101	98	103	100	97	93
2.00	109	105	102	107	104	101	105	102	99	94
2.50	110	107	104	109	106	103	106	103	101	95
3.00	112	109	106	110	107	105	107	104	103	96
4.00	114	111	109	112	109	108	108	106	105	97
5.00	115	113	111	113	111	109	109	107	106	98
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

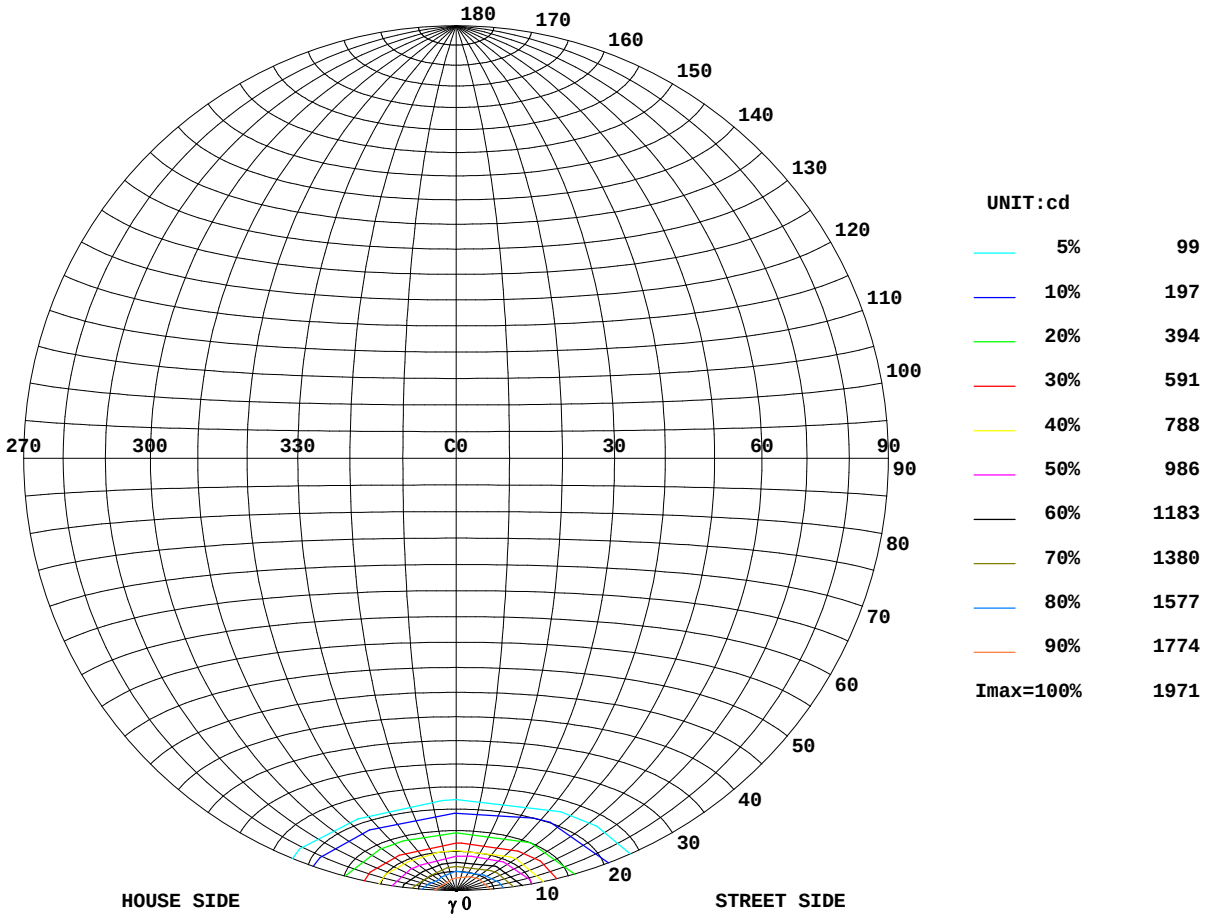
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08日

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-251044	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08日

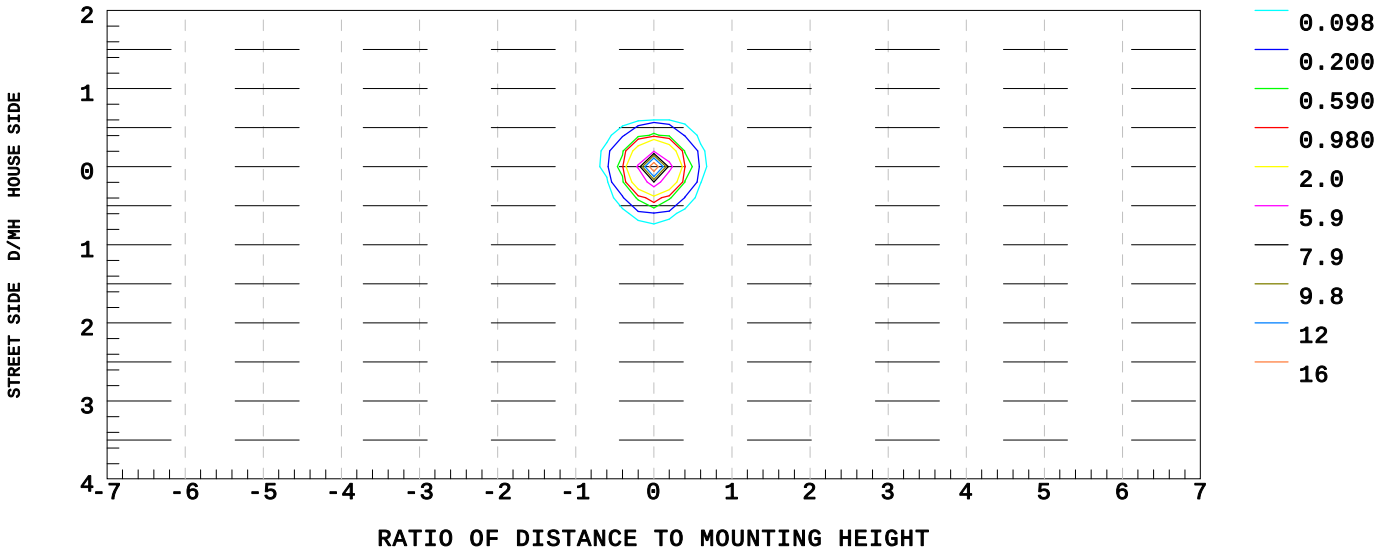
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

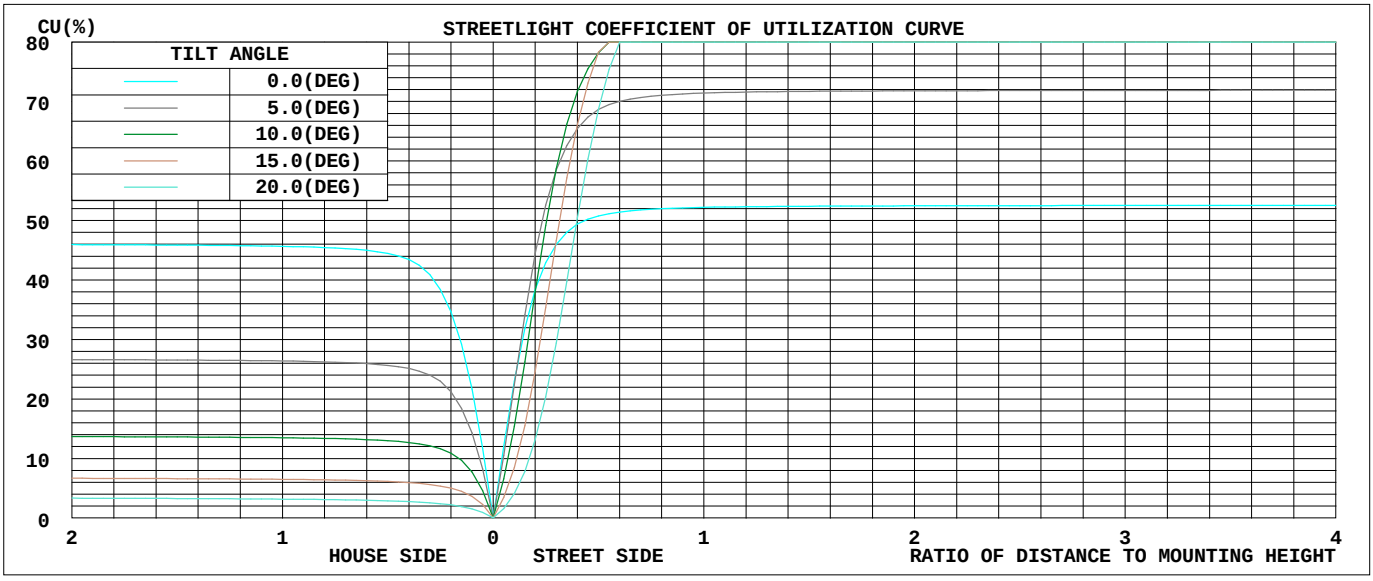
ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251044	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 19.67 lx





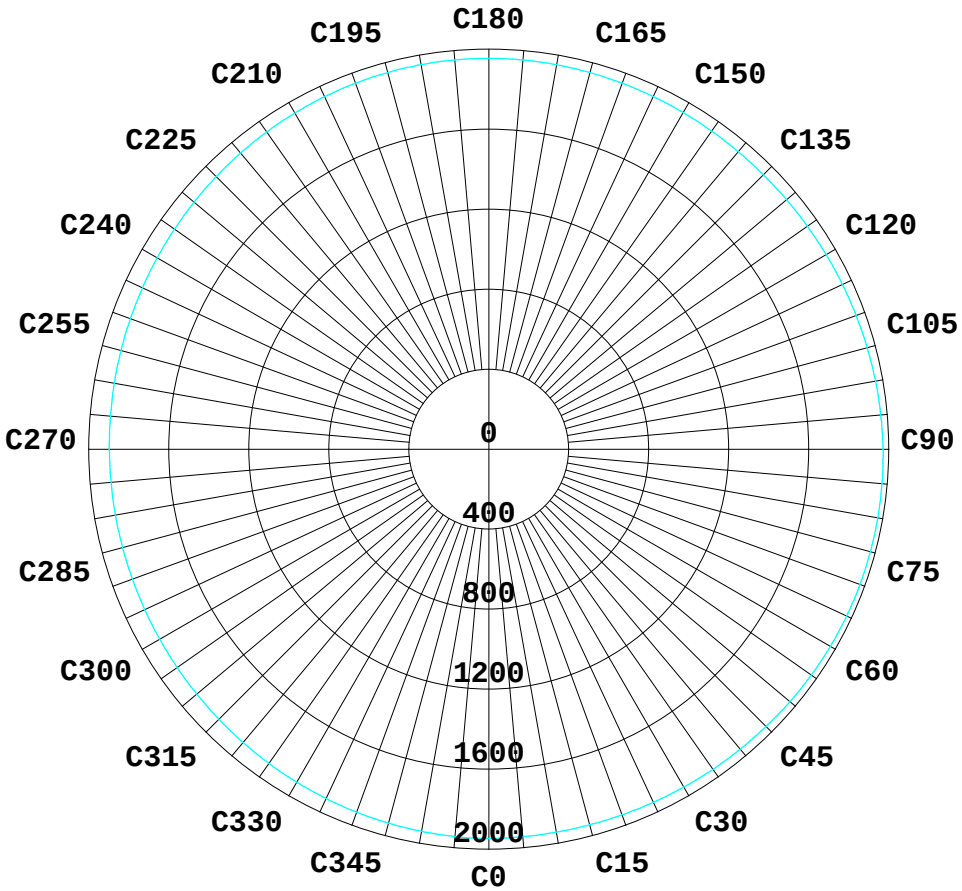
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08日

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-251044	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08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-251044	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG) \ C(DEG)	0	45	90	135	180	225	270	315
0.0	1967	1964	1953	1944	1967	1964	1953	1944
5.0	1580	1629	1729	1584	1551	1515	1391	1494
10.0	814	897	1002	906	894	819	732	776
15.0	357	392	452	426	437	383	332	345
20.0	167	204	216	205	210	176	128	158
25.0	55.2	59.3	77.4	62.8	59.5	56.5	42.1	51.9
30.0	25.3	24.0	34.3	26.1	25.4	26.1	17.0	23.6
35.0	13.8	11.0	17.2	11.5	12.6	14.6	7.85	12.6
40.0	7.85	5.58	9.92	6.13	6.54	8.40	3.72	7.30
45.0	5.16	2.68	5.92	3.16	3.23	5.16	1.79	4.68
50.0	3.58	1.17	3.92	1.30	1.30	3.51	0.83	2.96
55.0	2.75	0.41	2.89	0.55	0.69	2.68	0.07	2.48
60.0	2.13	0.14	1.92	0.21	0.21	2.13	0.00	1.99
65.0	1.86	0.14	1.79	0.00	0.34	1.79	0.00	1.72
70.0	1.58	0.00	1.44	0.00	0.21	1.51	0.00	1.44
75.0	1.44	0.00	1.37	0.00	0.14	1.37	0.00	1.30
80.0	1.30	0.00	1.30	0.00	0.21	1.30	0.00	1.24
85.0	1.10	0.00	0.90	0.00	0.07	0.83	0.00	1.03
90.0	1.03	0.00	0.96	0.00	0.21	0.96	0.00	0.90
95.0	0.90	0.00	0.83	0.00	0.14	0.83	0.00	0.83
100.0	0.83	0.00	0.83	0.00	0.00	0.76	0.00	0.76
105.0	0.90	0.00	0.76	0.00	0.21	0.76	0.00	0.76
110.0	0.76	0.00	0.69	0.00	0.00	0.69	0.00	0.69
115.0	0.62	0.00	0.62	0.00	0.00	0.62	0.00	0.34
120.0	0.62	0.00	0.34	0.00	0.21	0.62	0.00	0.48
125.0	0.62	0.00	0.55	0.00	0.28	0.55	0.00	0.55
130.0	0.62	0.00	0.41	0.00	0.00	0.34	0.00	0.48
135.0	0.62	0.00	0.41	0.00	0.34	0.55	0.00	0.28
140.0	0.55	0.00	0.48	0.07	0.48	0.55	0.14	0.34
145.0	0.55	0.00	0.55	0.14	0.62	0.69	0.07	0.76
150.0	0.76	0.41	0.76	0.14	0.76	0.96	0.48	0.96
155.0	1.03	0.83	0.96	0.76	1.37	1.37	1.03	1.37
160.0	1.51	0.96	1.30	1.17	1.72	1.65	1.37	1.72
165.0	1.51	1.30	1.65	1.37	1.99	1.86	1.58	1.65
170.0	1.86	1.44	1.72	1.44	2.06	1.86	1.58	1.79
175.0	1.86	1.44	1.79	1.30	2.06	1.79	1.51	1.72
180.0	1.72	1.30	1.72	1.44	1.99	1.65	1.51	1.58

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08日

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