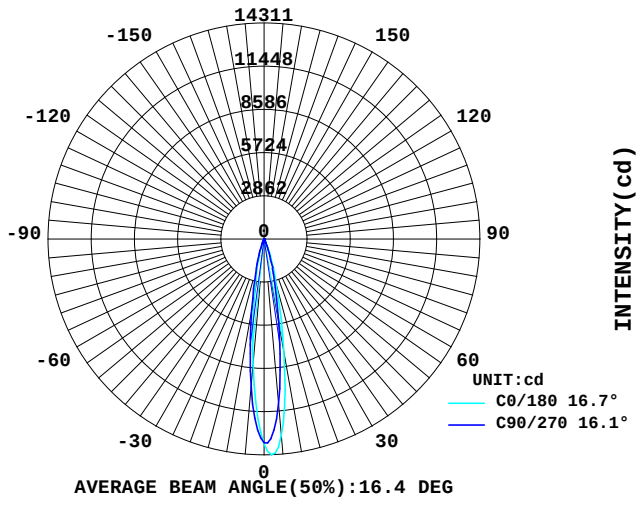
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251273	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

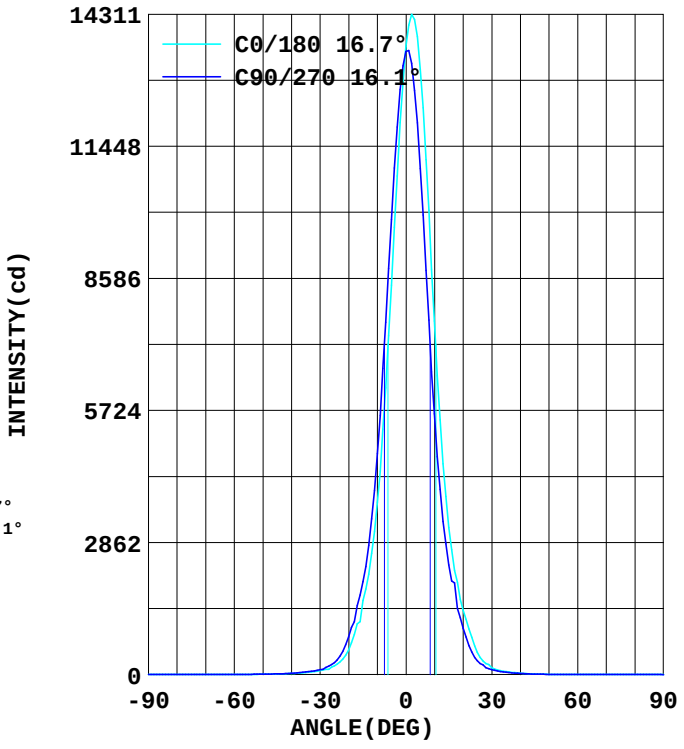
DATA OF LAMP		Imax(cd)	14311	S/MH(C0/180)	0.22
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.27
NOMINAL POWER(W)	32	TOTAL FLUX(lm)	1743.6	Voltage(V)	22.79
RATED VOLTAGE(V)	23	EFFICIENCY(lm/W)	55.8	Current(A)	1.369
NOMINAL FLUX(lm)	1743.7	η up(%)	0.7	Power(W)	31.23
LAMPS QUANTITY	1	η down(%)	99.3	Power Factor(PF)	1.000
TEST VOLTAGE(V)	22.8	Effictive Flux(lm)	1417.5	EEI	0.300

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):16.4 DEG

LUMINOUS INTENSITY DISTRIBUTION



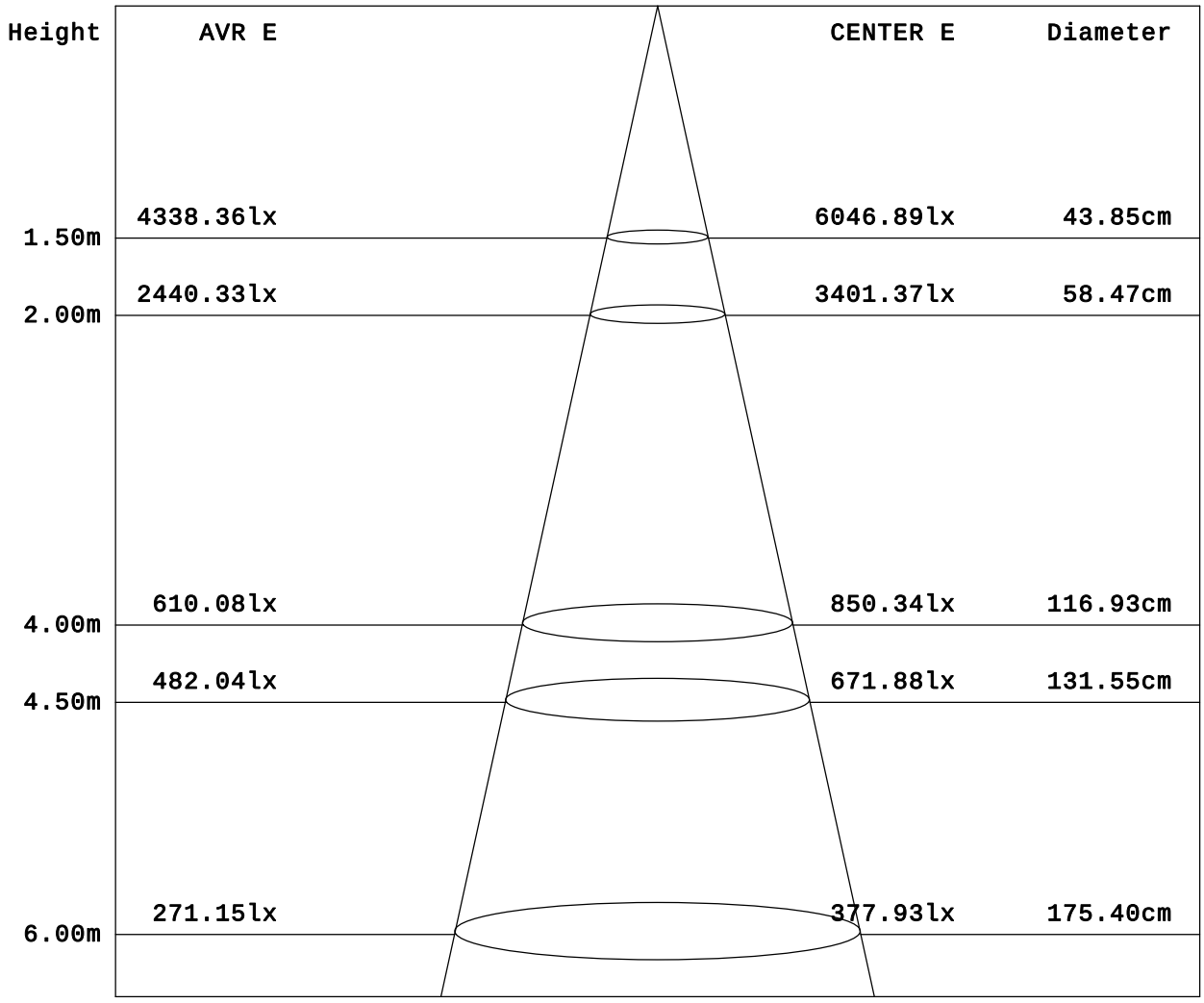
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08日

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-251273	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Angle:16.6deg

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-251273	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	843.6	854.1	986.3	1167	1311	1277	1096	951.2	0- 5	287.4	287.4
10.0	373.7	372.5	479.1	612.8	766.4	726.1	564.7	440.7	5- 10	549.0	836.4
15.0	160.2	153.7	201.7	252.5	319.0	312.7	237.7	191.2	10- 15	420.5	1257
20.0	52.76	54.09	81.60	113.6	138.9	143.4	100.5	71.68	15- 20	249.5	1507
25.0	19.19	21.18	26.32	35.13	48.40	46.43	30.25	22.99	20- 25	119.4	1626
30.0	8.501	7.543	10.67	12.03	14.71	17.06	10.64	9.809	25- 30	48.19	1674
35.0	4.450	3.754	5.593	5.710	6.448	7.584	5.090	5.221	30- 35	23.15	1697
40.0	2.411	1.784	3.003	2.693	3.134	3.816	2.500	2.776	35- 40	13.21	1711
45.0	1.364	0.847	1.618	1.233	1.432	1.956	1.178	1.550	40- 45	7.366	1718
50.0	0.827	0.400	0.937	0.620	0.675	1.129	0.537	0.909	45- 50	4.171	1722
55.0	0.551	0.165	0.627	0.303	0.331	0.716	0.248	0.586	50- 55	2.547	1725
60.0	0.434	0.110	0.462	0.124	0.158	0.489	0.131	0.448	55- 60	1.659	1726
65.0	0.365	0.076	0.365	0.083	0.103	0.400	0.083	0.365	60- 65	1.245	1728
70.0	0.303	0.055	0.324	0.062	0.076	0.344	0.062	0.317	65- 70	1.046	1729
75.0	0.276	0.041	0.276	0.048	0.062	0.289	0.048	0.276	70- 75	0.919	1730
80.0	0.241	0.034	0.248	0.041	0.048	0.262	0.034	0.248	75- 80	0.803	1730
85.0	0.214	0	0.220	0.028	0.048	0.234	0.034	0.227	80- 85	0.729	1731
90.0	0.186	0.014	0.186	0.014	0.028	0.200	0	0.186	85- 90	0.614	1732
95.0	0.172	0.007	0.179	0	0.028	0.165	0	0.172	90- 95	0.540	1732
100.0	0.158	0	0.165	0.014	0.034	0.158	0.014	0.165	95-100	0.497	1733
105.0	0.152	0.021	0.152	0.021	0.034	0.165	0.021	0.158	100-105	0.478	1733
110.0	0.145	0	0.145	0.028	0.041	0.152	0.028	0.152	105-110	0.440	1734
115.0	0.145	0.021	0.138	0.007	0.048	0.117	0	0.131	110-115	0.414	1734
120.0	0.131	0.028	0.124	0.021	0.048	0.117	0	0.131	115-120	0.377	1734
125.0	0.117	0.028	0.131	0.028	0.028	0.131	0.028	0.117	120-125	0.357	1735
130.0	0.110	0.034	0.117	0.014	0.062	0.103	0.034	0.124	125-130	0.341	1735
135.0	0.131	0.069	0.124	0.048	0.062	0.131	0.048	0.145	130-135	0.349	1735
140.0	0.172	0.117	0.152	0.076	0.110	0.152	0.096	0.179	135-140	0.396	1736
145.0	0.269	0.220	0.227	0.131	0.179	0.214	0.186	0.282	140-145	0.546	1736
150.0	0.448	0.413	0.365	0.276	0.338	0.358	0.358	0.482	145-150	0.825	1737
155.0	0.689	0.675	0.579	0.503	0.558	0.579	0.606	0.765	150-155	1.242	1739
160.0	0.868	0.896	0.785	0.758	0.840	0.882	0.847	0.985	155-160	1.551	1740
165.0	0.985	0.964	0.923	0.937	1.005	1.060	0.992	1.081	160-165	1.534	1742
170.0	0.985	0.916	0.964	0.923	1.067	1.088	1.019	1.040	165-170	1.190	1743
175.0	0.923	0.840	0.916	0.875	1.047	1.005	0.978	0.902	170-175	0.698	1743
180.0	0.978	0.882	0.944	0.840	0.985	0.909	0.916	0.875	175-180	0.221	1744
DEG	LUMINOUS INTENSITY:×10cd									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:

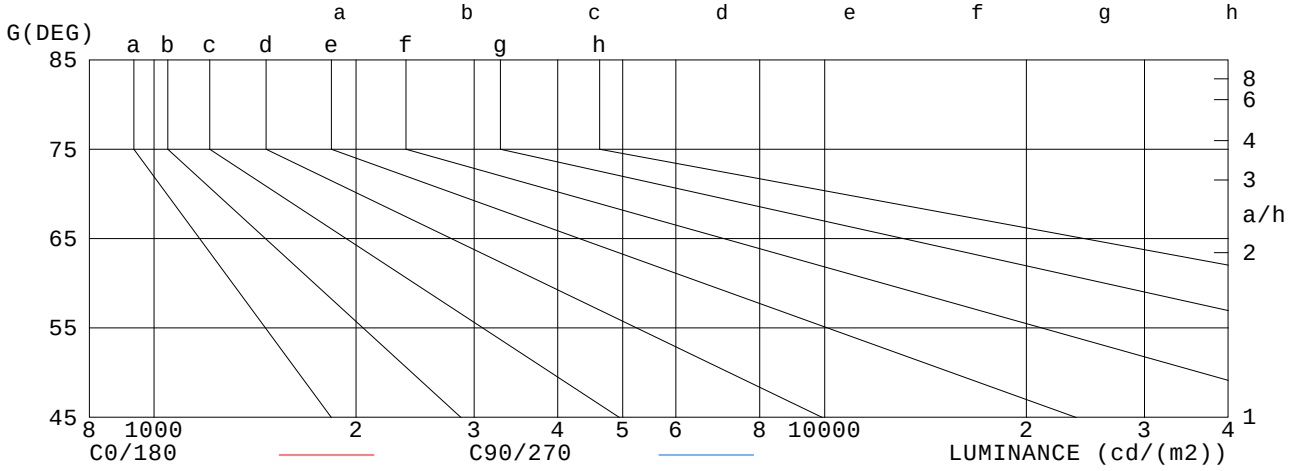
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251273	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	139	143
75	106	106
70	89	95
65	86	86
60	87	92
55	96	109
50	129	146
45	193	229

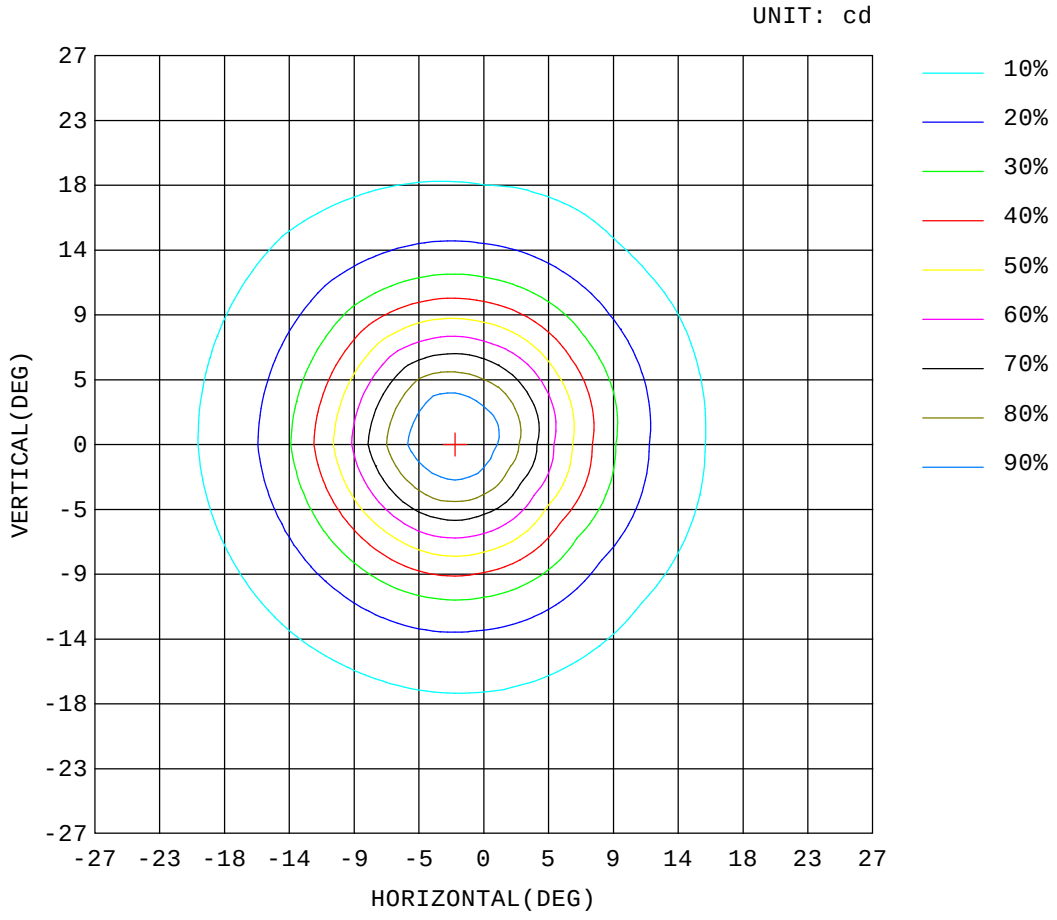
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08日

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-251273	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



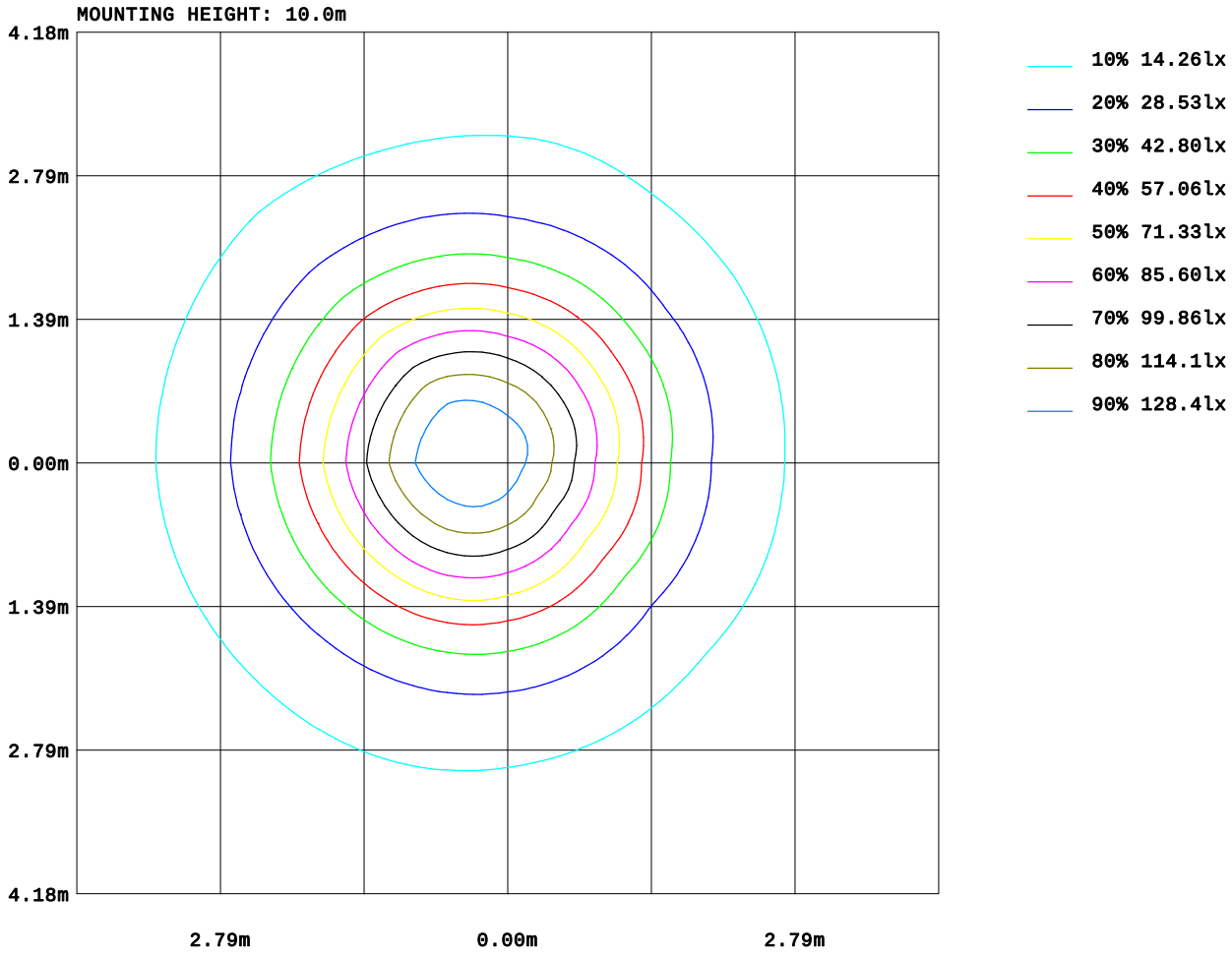
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08日

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-251273	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-251273	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-27	-24	-21	-18	-15	-12	-9	-6	HORIZONTAL(DEG) 6	9	12	15	18	21	24	27	Φ t	Φ a
27	0.18	0.24	0.29	0.39	0.51	0.62	0.73	0.79	0.79	0.74	0.67	0.56	0.44	0.33	0.26	0.21	0.16	0.12	8.02	0.00
24	0.23	0.31	0.47	0.65	0.90	1.17	1.44	1.59	1.61	1.49	1.28	1.02	0.76	0.56	0.38	0.27	0.21	0.15	14.5	0.00
21	0.28	0.47	0.73	1.13	1.70	2.29	2.79	3.10	3.14	2.94	2.54	1.97	1.38	0.90	0.59	0.38	0.26	0.19	26.8	0.00
18	0.40	0.67	1.14	1.99	2.95	3.87	4.71	5.31	5.49	5.16	4.41	3.42	2.43	1.52	0.90	0.55	0.34	0.23	45.5	26.7
15	0.54	0.95	1.79	3.01	4.44	5.89	7.35	8.46	8.75	8.12	6.84	5.29	3.63	2.42	1.38	0.77	0.46	0.27	70.4	56.6
12	0.68	1.32	2.52	4.06	6.02	8.73	11.7	14.1	14.7	13.4	10.7	7.76	5.31	3.27	2.01	1.04	0.57	0.32	109	96.5
9	0.84	1.74	3.16	5.07	7.90	12.3	17.9	22.2	23.3	20.9	16.1	10.9	7.03	4.37	2.54	1.32	0.69	0.38	159	149
	0.98	2.06	3.64	5.96	9.80	16.0	24.0	30.8	32.4	28.9	21.7	14.2	8.64	5.19	2.91	1.54	0.77	0.42	210	200
	1.06	2.25	3.92	6.52	11.0	18.5	27.9	35.6	37.7	33.5	24.9	15.9	9.39	5.50	3.07	1.62	0.80	0.43	240	230
	1.05	2.21	3.85	6.40	10.8	18.0	27.0	34.4	36.5	32.0	23.8	15.2	9.07	5.37	3.01	1.58	0.78	0.43	232	221
	0.93	1.94	3.43	5.66	9.07	14.6	21.6	27.6	29.4	26.0	19.2	12.6	7.84	4.84	2.74	1.41	0.71	0.40	190	180
-9	0.78	1.57	2.86	4.62	7.03	10.6	15.1	19.0	20.2	18.1	13.7	9.21	6.16	3.89	2.28	1.15	0.62	0.35	138	126
-12	0.62	1.15	2.17	3.48	5.27	7.18	9.65	11.7	12.4	11.3	9.04	6.56	4.51	2.88	1.64	0.87	0.51	0.29	91.4	78.3
-15	0.47	0.80	1.45	2.46	3.59	4.97	6.08	6.99	7.30	6.82	5.77	4.42	3.07	1.89	1.07	0.64	0.39	0.24	58.4	43.0
-18	0.33	0.57	0.91	1.51	2.31	3.09	3.85	4.34	4.46	4.19	3.58	2.76	1.89	1.15	0.70	0.46	0.28	0.19	36.6	12.8
-21	0.24	0.37	0.59	0.86	1.28	1.78	2.22	2.50	2.55	2.39	2.03	1.54	1.07	0.72	0.48	0.30	0.21	0.15	21.3	0.00
-24	0.18	0.25	0.36	0.54	0.71	0.92	1.13	1.26	1.29	1.21	1.03	0.83	0.64	0.46	0.31	0.22	0.16	0.12	11.6	0.00
-27	0.13	0.18	0.24	0.31	0.42	0.53	0.61	0.66	0.68	0.65	0.58	0.48	0.38	0.29	0.22	0.16	0.12	0.09	6.73	0.00
Φ t	9.92	19.0	33.5	54.6	85.8	131	186	231	243	218	168	115	73.6	45.6	26.5	14.5	8.02	4.77	1744	
Φ a	0.00	0.00	9.21	38.5	72.4	119	175	220	232	208	157	102	59.0	27.5	0.00	0.00	0.00	0.00		1417

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

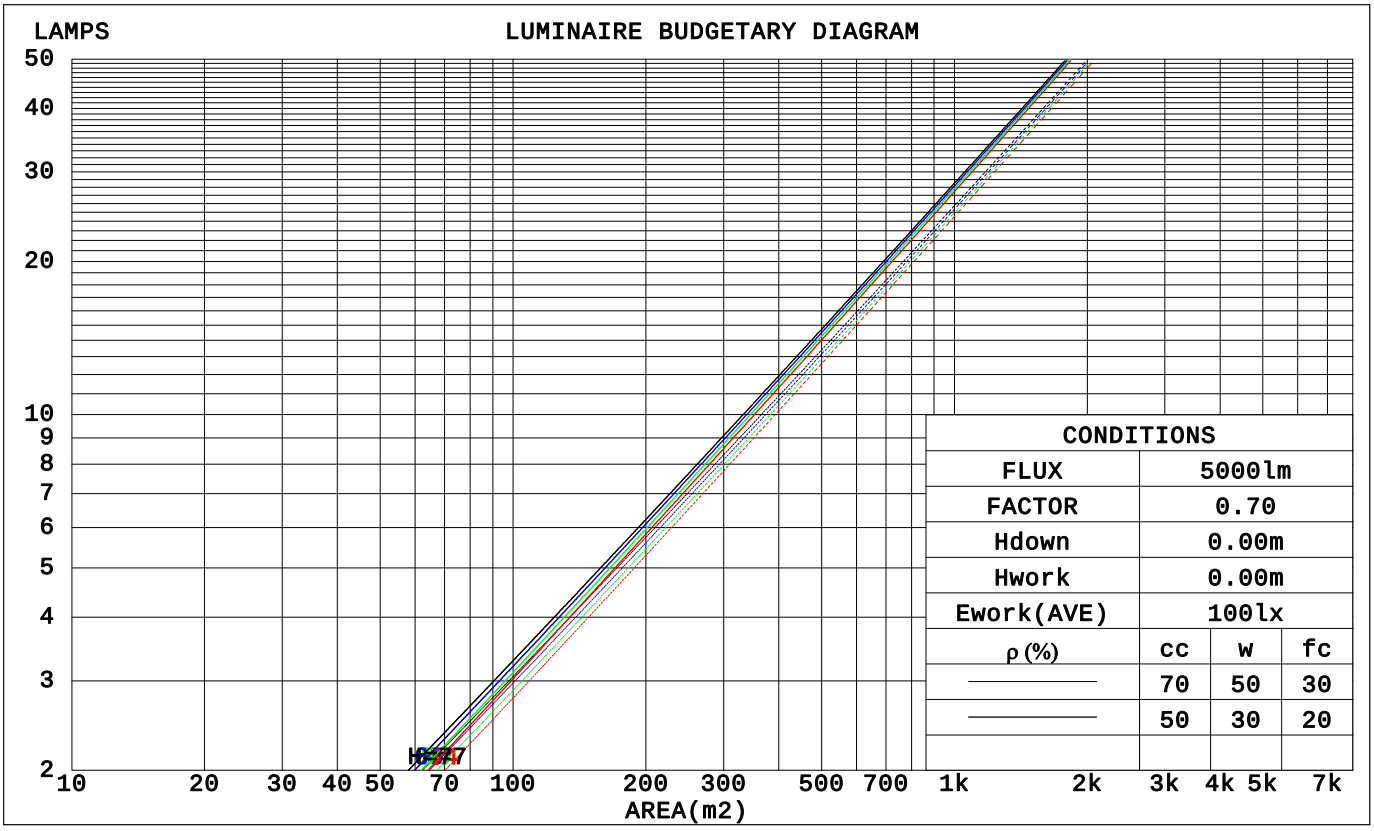
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251273	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	1.05	1.03	1.02	1.01	.00	.99	.98	.97
2.0	1.08	1.06	1.03	1.07	1.04	1.02	1.04	1.02	.00	1.01	.99	.98	.98	.97	.96	.94
3.0	1.04	1.01	.98	1.03	1.00	.98	1.01	.98	.96	.98	.96	.95	.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	.90	.87	.84	.90	.86	.84	.89	.86	.84	.88	.85	.83	.87	.85	.83	.82
9.0	.88	.85	.82	.88	.84	.82	.87	.84	.82	.86	.84	.82	.86	.83	.81	.81
10.0	.86	.83	.81	.86	.83	.80	.85	.82	.80	.85	.82	.80	.84	.82	.80	.79



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-251273	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	.128	.073	.023	.122	.069	.022	.109	.062	.020	.097	.056	.018	.086	.050	.016	
2.0	.117	.064	.020	.112	.062	.019	.101	.056	.018	.092	.051	.016	.083	.047	.015	
3.0	.108	.058	.017	.104	.056	.017	.095	.052	.016	.087	.048	.015	.080	.044	.014	
4.0	.101	.052	.015	.097	.051	.015	.090	.048	.014	.083	.044	.013	.076	.042	.013	
5.0	.094	.048	.014	.091	.047	.014	.085	.044	.013	.079	.042	.012	.074	.039	.012	
6.0	.089	.044	.013	.086	.043	.012	.081	.041	.012	.076	.039	.012	.071	.037	.011	
7.0	.084	.041	.012	.081	.041	.012	.077	.039	.011	.072	.037	.011	.068	.035	.010	
8.0	.080	.039	.011	.077	.038	.011	.073	.037	.010	.069	.035	.010	.066	.034	.010	
9.0	.076	.037	.010	.074	.036	.010	.070	.035	.010	.067	.034	.010	.064	.032	.009	
10.0	.072	.035	.010	.071	.034	.010	.067	.033	.009	.064	.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	.196	.196	.196	.167	.167	.167	.114	.114	.114	.066	.066	.066	.021	.021	.021	
1.0	.173	.163	.154	.148	.140	.133	.101	.096	.092	.058	.056	.053	.019	.018	.017	
2.0	.154	.138	.124	.132	.119	.108	.091	.082	.075	.052	.048	.044	.017	.015	.014	
3.0	.139	.119	.102	.119	.102	.089	.082	.071	.062	.047	.041	.037	.015	.013	.012	
4.0	.126	.103	.086	.108	.089	.075	.074	.062	.052	.043	.036	.031	.014	.012	.010	
5.0	.115	.091	.073	.098	.078	.063	.068	.055	.045	.039	.032	.027	.013	.010	.009	
6.0	.105	.080	.063	.091	.070	.054	.062	.049	.039	.036	.029	.023	.012	.009	.008	
7.0	.097	.072	.054	.084	.062	.047	.058	.044	.034	.034	.026	.020	.011	.008	.007	
8.0	.091	.065	.048	.078	.057	.042	.054	.040	.029	.031	.023	.018	.010	.008	.006	
9.0	.085	.059	.042	.073	.052	.037	.051	.036	.026	.029	.021	.016	.010	.007	.005	
10.0	.080	.054	.038	.069	.047	.033	.048	.033	.023	.028	.020	.014	.009	.006	.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-251273	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	-5.6	-5.1	-5.4	-4.9	-4.8
3H	-6.1	-5.6	-5.9	-5.4	-5.2	-5.3	-4.7	-5.0	-4.5	-4.3
4H	-5.6	-5.1	-5.4	-4.9	-4.7	-4.9	-4.4	-4.6	-4.1	-3.9
6H	-4.9	-4.4	-4.6	-4.2	-3.9	-4.3	-3.8	-4.0	-3.5	-3.3
8H	-4.4	-3.9	-4.1	-3.6	-3.4	-3.8	-3.3	-3.5	-3.0	-2.8
12H	-3.7	-3.2	-3.4	-3.0	-2.7	-3.2	-2.7	-2.9	-2.4	-2.2
4H 2H	-6.7	-6.2	-6.5	-6.0	-5.8	-5.8	-5.3	-5.6	-5.1	-4.9
3H	-6.2	-5.7	-5.9	-5.5	-5.2	-5.4	-4.9	-5.1	-4.7	-4.4
4H	-5.6	-5.2	-5.2	-4.9	-4.6	-4.9	-4.5	-4.6	-4.2	-3.9
6H	-4.6	-4.3	-4.3	-3.9	-3.6	-4.1	-3.7	-3.7	-3.3	-3.0
8H	-3.9	-3.6	-3.5	-3.2	-2.8	-3.4	-3.0	-3.0	-2.7	-2.3
12H	-3.0	-2.7	-2.6	-2.3	-1.9	-2.6	-2.3	-2.2	-1.9	-1.5
8H 4H	-5.7	-5.3	-5.3	-5.0	-4.6	-5.0	-4.7	-4.6	-4.3	-3.9
6H	-4.6	-4.3	-4.2	-3.9	-3.5	-4.1	-3.8	-3.6	-3.4	-2.9
8H	-3.7	-3.5	-3.3	-3.1	-2.6	-3.3	-3.0	-2.8	-2.6	-2.1
12H	-2.6	-2.4	-2.2	-2.0	-1.5	-2.2	-2.0	-1.7	-1.5	-1.1
12H 4H	-5.7	-5.4	-5.3	-5.0	-4.6	-5.0	-4.7	-4.6	-4.3	-3.9
6H	-4.7	-4.4	-4.2	-4.0	-3.5	-4.1	-3.8	-3.6	-3.4	-3.0
8H	-3.7	-3.5	-3.3	-3.1	-2.6	-3.3	-3.0	-2.8	-2.6	-2.1
Variations with the observer position at spacings:										
S = 1.0H	+ 1.3 / - 1.0					+ 1.7 / - 1.2				
1.5H	+ 2.6 / - 1.3					+ 3.2 / - 1.6				
2.0H	+ 1.9 / - 1.0					+ 2.3 / - 1.3				

CIE Pub.117 Corrected 1744 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.9)

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-251273	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	85	81	90	84	81	89	84	81	78
0.80	97	92	89	97	92	89	96	91	88	85
1.00	101	96	93	100	96	92	99	95	92	88
1.25	105	100	97	104	99	96	102	98	96	92
1.50	107	103	100	106	102	99	104	101	98	94
2.00	109	106	103	108	104	102	105	102	100	95
2.50	111	107	105	109	106	104	106	104	102	96
3.00	112	109	107	110	108	105	107	105	103	97
4.00	114	112	110	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	

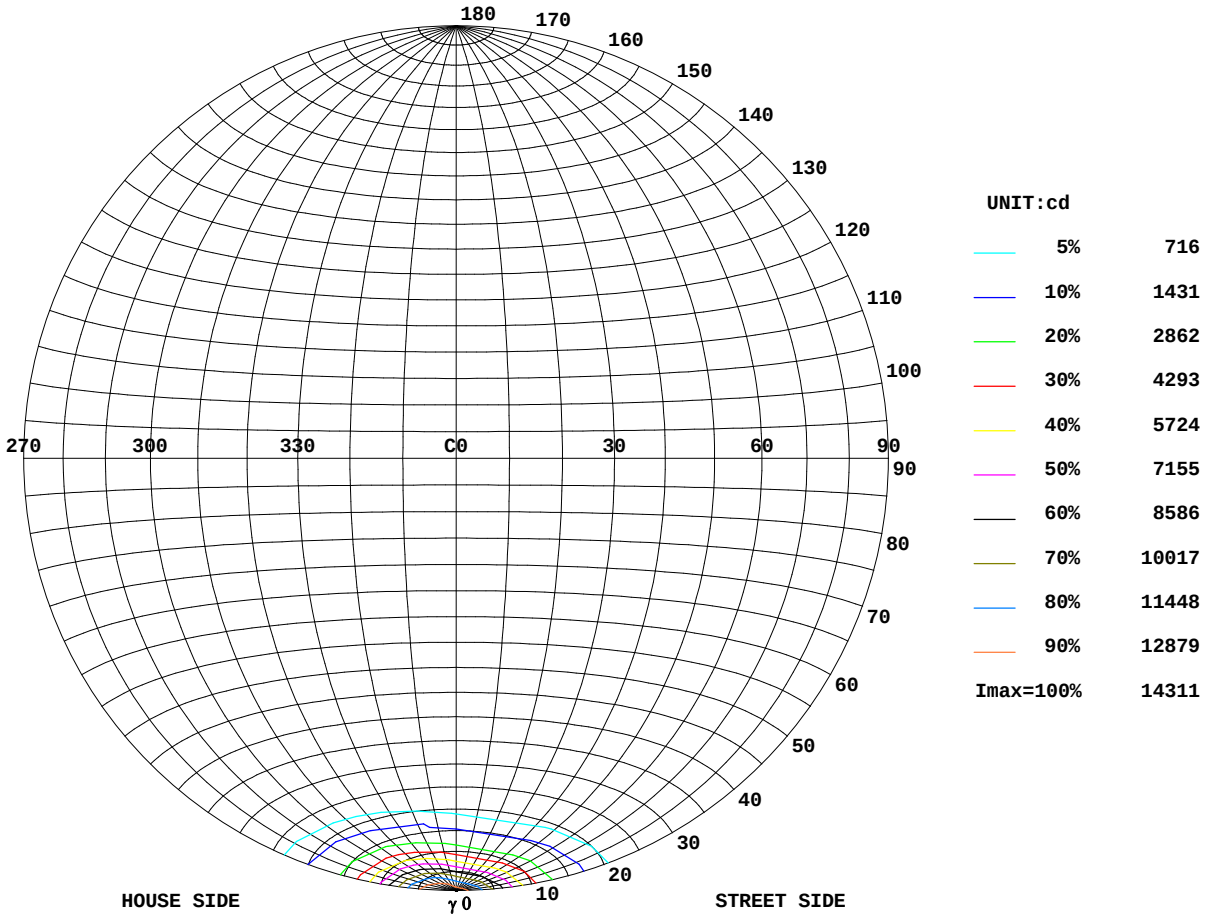
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08日

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-251273	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



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

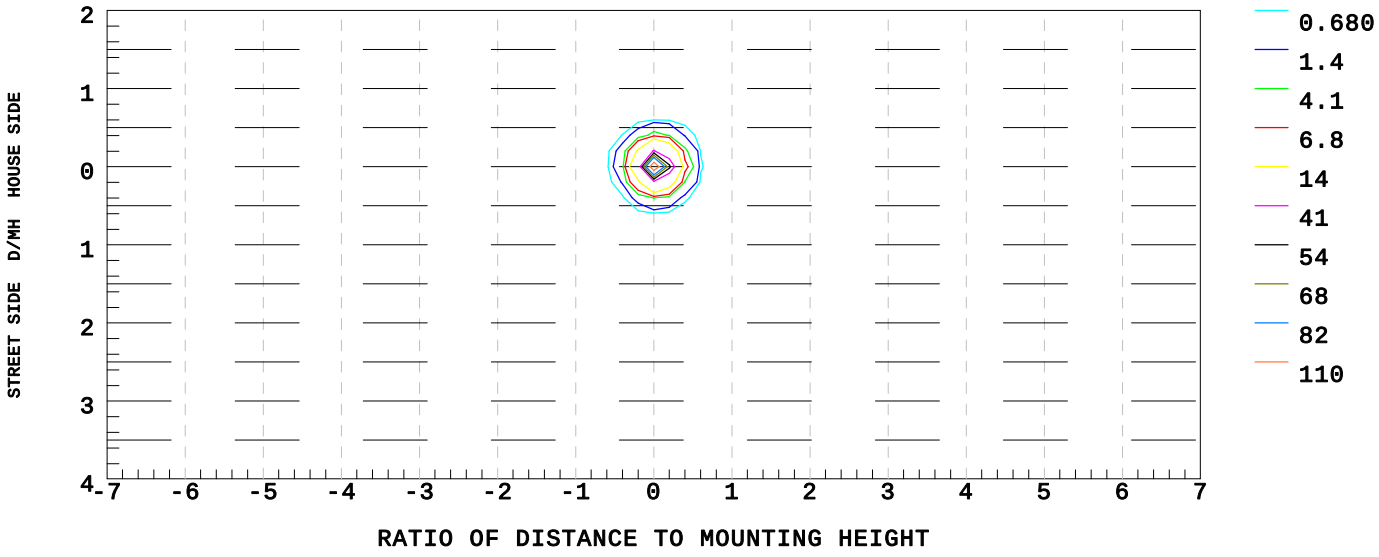
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

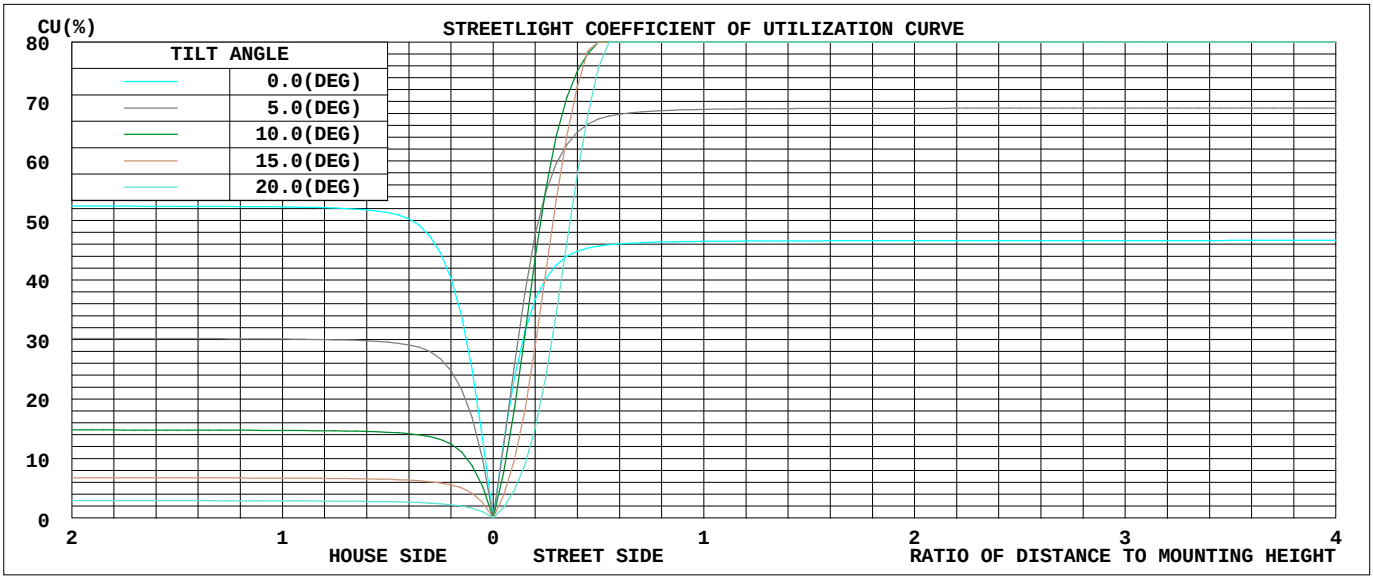
ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251273	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 136.05 lx





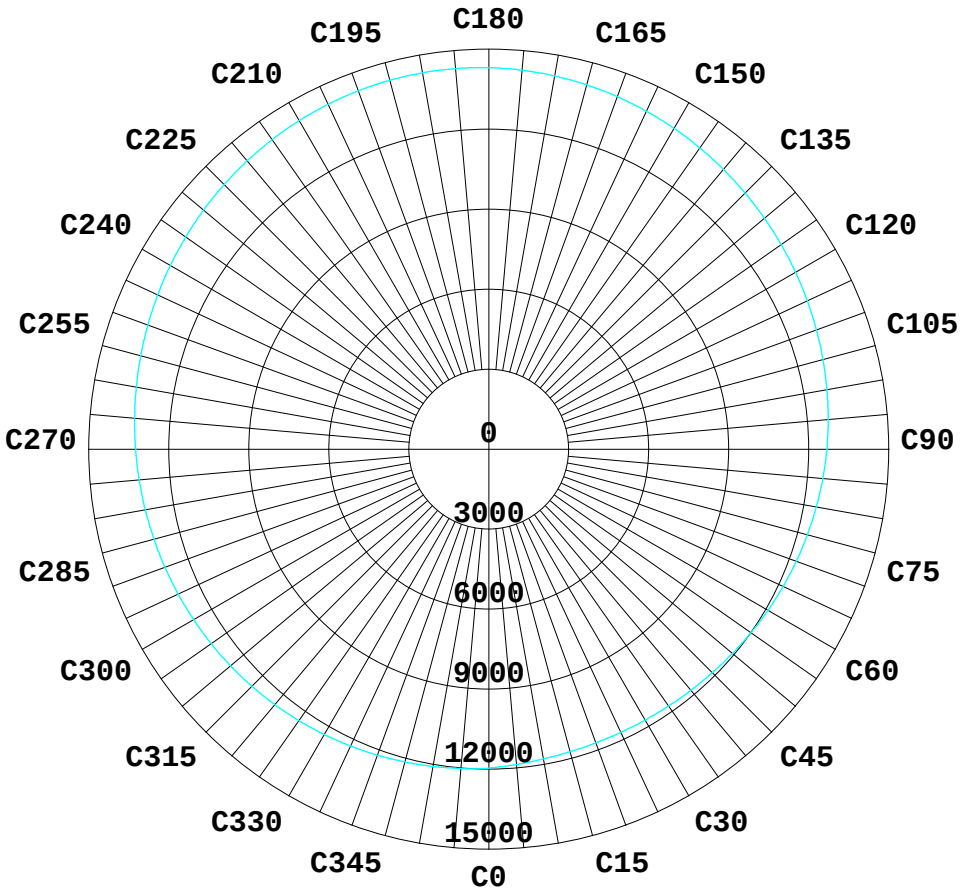
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08日

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-251273	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-251273	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

UNIT: ×10cd

γ (DEG) \ C(DEG)	0	45	90	135	180	225	270	315
0.0	1361	1343	1350	1362	1361	1343	1350	1362
5.0	844	854	986	1167	1311	1277	1096	951
10.0	374	373	479	613	766	726	565	441
15.0	160	154	202	253	319	313	238	191
20.0	52.7	54.0	81.6	114	139	143	101	71.6
25.0	19.1	21.1	26.3	35.1	48.4	46.4	30.2	22.9
30.0	8.50	7.54	10.6	12.0	14.7	17.0	10.6	9.80
35.0	4.45	3.75	5.59	5.71	6.44	7.58	5.09	5.22
40.0	2.41	1.78	3.00	2.69	3.13	3.81	2.50	2.77
45.0	1.36	0.85	1.61	1.23	1.43	1.95	1.17	1.55
50.0	0.83	0.40	0.94	0.62	0.68	1.12	0.54	0.91
55.0	0.55	0.17	0.63	0.30	0.33	0.72	0.25	0.59
60.0	0.43	0.11	0.46	0.12	0.16	0.49	0.13	0.45
65.0	0.37	0.08	0.37	0.08	0.10	0.40	0.08	0.37
70.0	0.30	0.06	0.32	0.06	0.08	0.34	0.06	0.32
75.0	0.28	0.04	0.28	0.05	0.06	0.29	0.05	0.28
80.0	0.24	0.03	0.25	0.04	0.05	0.26	0.03	0.25
85.0	0.21	0.00	0.22	0.03	0.05	0.23	0.03	0.23
90.0	0.19	0.01	0.19	0.01	0.03	0.20	0.00	0.19
95.0	0.17	0.01	0.18	0.00	0.03	0.17	0.00	0.17
100.0	0.16	0.00	0.17	0.01	0.03	0.16	0.01	0.17
105.0	0.15	0.02	0.15	0.02	0.03	0.17	0.02	0.16
110.0	0.14	0.00	0.14	0.03	0.04	0.15	0.03	0.15
115.0	0.14	0.02	0.14	0.01	0.05	0.12	0.00	0.13
120.0	0.13	0.03	0.12	0.02	0.05	0.12	0.00	0.13
125.0	0.12	0.03	0.13	0.03	0.03	0.13	0.03	0.12
130.0	0.11	0.03	0.12	0.01	0.06	0.10	0.03	0.12
135.0	0.13	0.07	0.12	0.05	0.06	0.13	0.05	0.14
140.0	0.17	0.12	0.15	0.08	0.11	0.15	0.10	0.18
145.0	0.27	0.22	0.23	0.13	0.18	0.21	0.19	0.28
150.0	0.45	0.41	0.37	0.28	0.34	0.36	0.36	0.48
155.0	0.69	0.68	0.58	0.50	0.56	0.58	0.61	0.76
160.0	0.87	0.90	0.79	0.76	0.84	0.88	0.85	0.99
165.0	0.99	0.96	0.92	0.94	1.00	1.06	0.99	1.08
170.0	0.99	0.92	0.96	0.92	1.06	1.08	1.01	1.04
175.0	0.92	0.84	0.92	0.87	1.04	1.00	0.98	0.90
180.0	0.98	0.88	0.94	0.84	0.99	0.91	0.92	0.87

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: