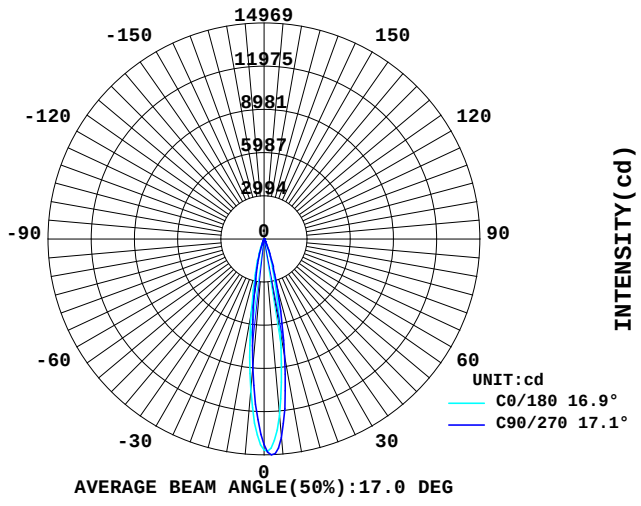
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251275	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

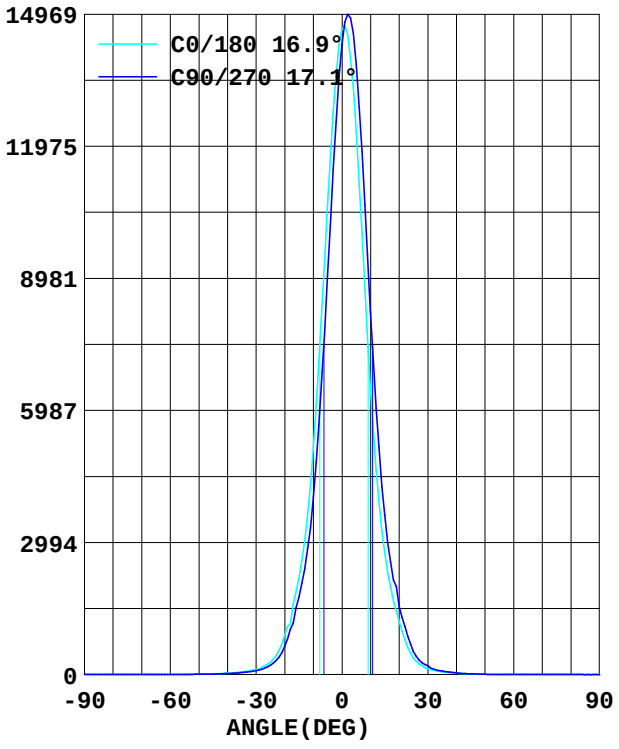
DATA OF LAMP		Imax(cd)	14969	S/MH(C0/180)	0.27
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.23
NOMINAL POWER(W)	30	TOTAL FLUX(lm)	1913.3	Voltage(V)	22.85
RATED VOLTAGE(V)	23	EFFICIENCY(lm/W)	63.0	Current(A)	1.329
NOMINAL FLUX(lm)	1913.3	η up(%)	0.6	Power(W)	30.37
LAMPS QUANTITY	1	η down(%)	99.4	Power Factor(PF)	1.000
TEST VOLTAGE(V)	22.9	Effictive Flux(lm)	1571.6	EEI	0.263

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):17.0 DEG

LUMINOUS INTENSITY DISTRIBUTION



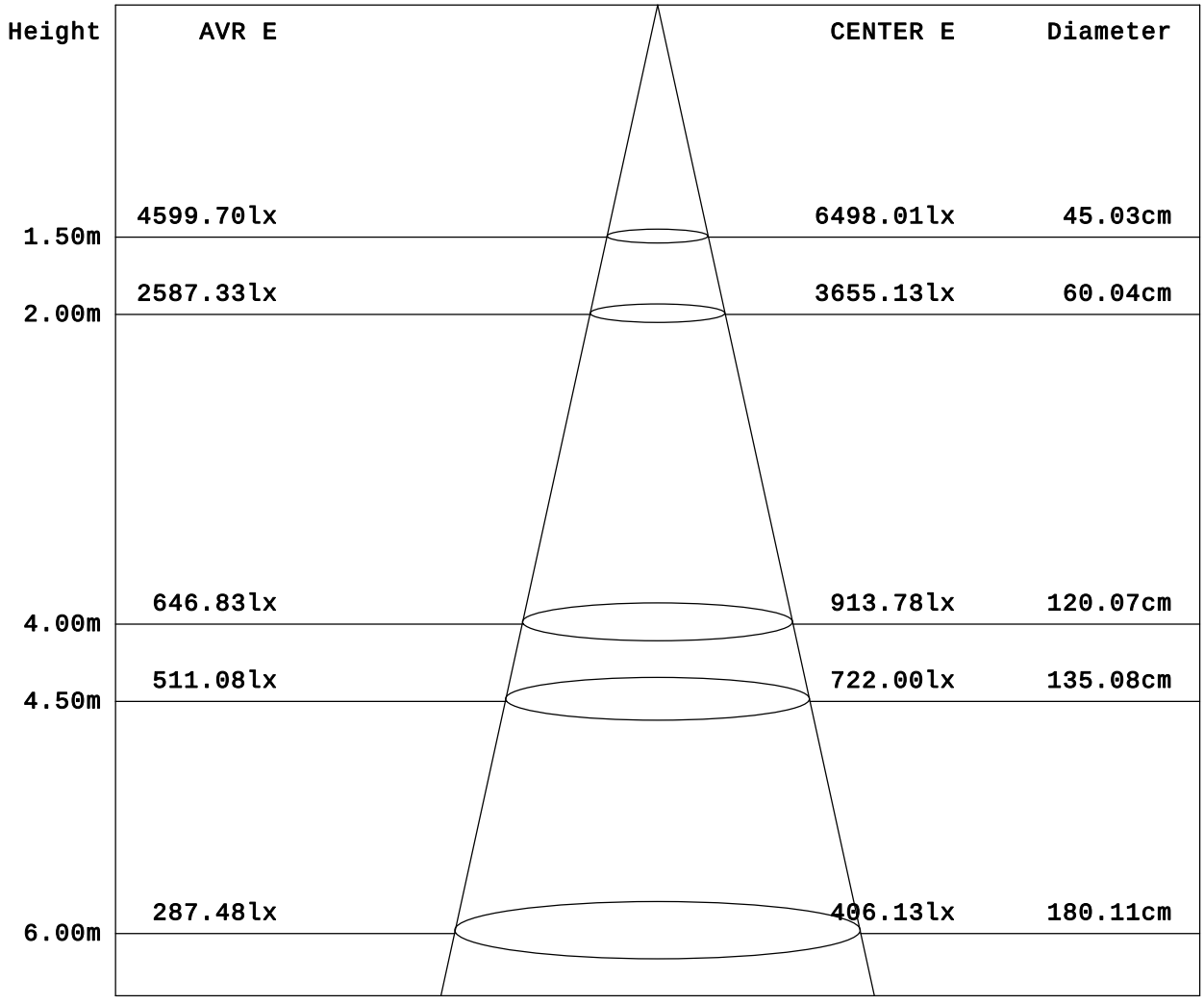
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月05日

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-251275	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Angle:17.1deg

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月05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-251275	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	1063	957.2	903.2	979.2	1229	1330	1382	1262	0- 5	307.2	307.2
10.0	514.7	445.3	401.9	461.6	647.8	764.7	822.7	714.7	5- 10	595.7	903.0
15.0	218.5	200.3	176.2	198.1	276.3	323.4	361.1	305.8	10- 15	467.0	1370
20.0	88.38	67.76	63.62	75.76	120.7	145.9	154.3	115.4	15- 20	278.5	1649
25.0	28.12	22.23	21.08	23.83	37.34	48.86	52.53	42.81	20- 25	132.9	1782
30.0	11.62	8.817	8.935	9.327	13.49	18.22	20.66	17.09	25- 30	54.76	1836
35.0	5.896	4.222	4.629	4.546	6.413	8.473	8.053	7.970	30- 35	26.93	1863
40.0	2.948	2.039	2.521	2.245	3.134	4.429	3.816	3.919	35- 40	14.99	1878
45.0	1.570	0.944	1.432	1.116	1.556	2.314	1.701	1.977	40- 45	8.346	1887
50.0	0.944	0.462	0.861	0.537	0.730	1.281	0.820	1.150	45- 50	4.704	1891
55.0	0.634	0.227	0.565	0.262	0.365	0.799	0.400	0.716	50- 55	2.833	1894
60.0	0.448	0.124	0.413	0.131	0.186	0.537	0.172	0.496	55- 60	1.819	1896
65.0	0.379	0.083	0.351	0.083	0.124	0.420	0.103	0.400	60- 65	1.325	1897
70.0	0.317	0.048	0.296	0.055	0.090	0.358	0.069	0.331	65- 70	1.086	1898
75.0	0.276	0.041	0.262	0.028	0.062	0.289	0.041	0.289	70- 75	0.908	1899
80.0	0.241	0.028	0.227	0.028	0.055	0.255	0.034	0.248	75- 80	0.794	1900
85.0	0.214	0.021	0.200	0.014	0.041	0.207	0	0.214	80- 85	0.683	1901
90.0	0.172	0	0.165	0	0.034	0.186	0	0.158	85- 90	0.546	1901
95.0	0.165	0.007	0.152	0	0.021	0.152	0	0.158	90- 95	0.463	1902
100.0	0.145	0	0.138	0	0.021	0.152	0.007	0.152	95-100	0.431	1902
105.0	0.138	0	0.124	0	0.021	0.152	0	0.138	100-105	0.390	1903
110.0	0.131	0.007	0.124	0	0.021	0.131	0.007	0.131	105-110	0.369	1903
115.0	0.124	0.014	0.110	0.007	0.034	0.096	0	0.124	110-115	0.333	1903
120.0	0.117	0	0.103	0.014	0.021	0.083	0.014	0.117	115-120	0.306	1904
125.0	0.110	0.021	0.096	0.014	0.021	0.117	0.014	0.110	120-125	0.298	1904
130.0	0.110	0.034	0.083	0.034	0.055	0.117	0.021	0.110	125-130	0.278	1904
135.0	0.124	0.055	0.124	0.048	0.076	0.117	0.014	0.110	130-135	0.297	1905
140.0	0.158	0.110	0.172	0.103	0.124	0.152	0.069	0.145	135-140	0.370	1905
145.0	0.214	0.227	0.276	0.193	0.234	0.227	0.152	0.214	140-145	0.554	1905
150.0	0.379	0.427	0.462	0.400	0.441	0.413	0.310	0.393	145-150	0.888	1906
155.0	0.661	0.730	0.710	0.648	0.730	0.696	0.572	0.661	150-155	1.347	1908
160.0	0.882	0.978	0.916	0.902	0.985	0.992	0.840	0.951	155-160	1.688	1909
165.0	1.054	1.067	1.019	1.019	1.136	1.171	1.047	1.136	160-165	1.672	1911
170.0	1.095	1.033	1.047	0.992	1.171	1.171	1.116	1.143	165-170	1.300	1912
175.0	1.067	0.964	1.005	0.909	1.122	1.102	1.088	1.054	170-175	0.768	1913
180.0	1.060	0.985	1.026	0.944	1.054	1.012	1.040	0.971	175-180	0.246	1913
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月05日

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

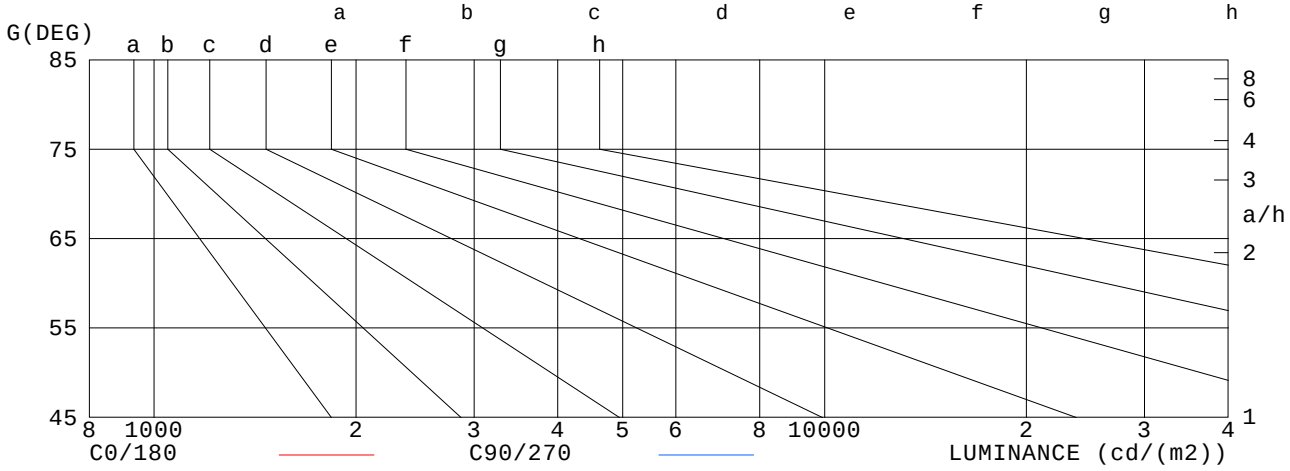
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251275	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	229
80	139	131
75	106	101
70	93	87
65	90	83
60	90	83
55	110	98
50	147	134
45	222	203

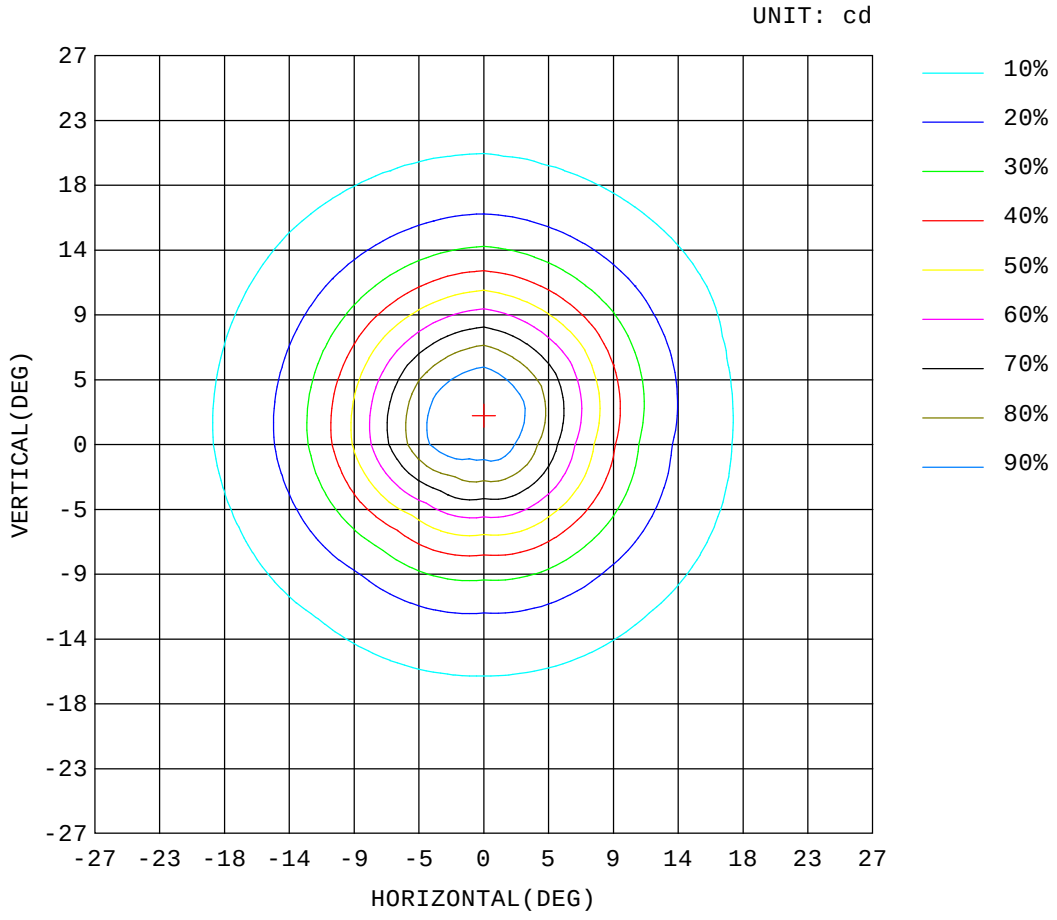
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月05日

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-251275	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



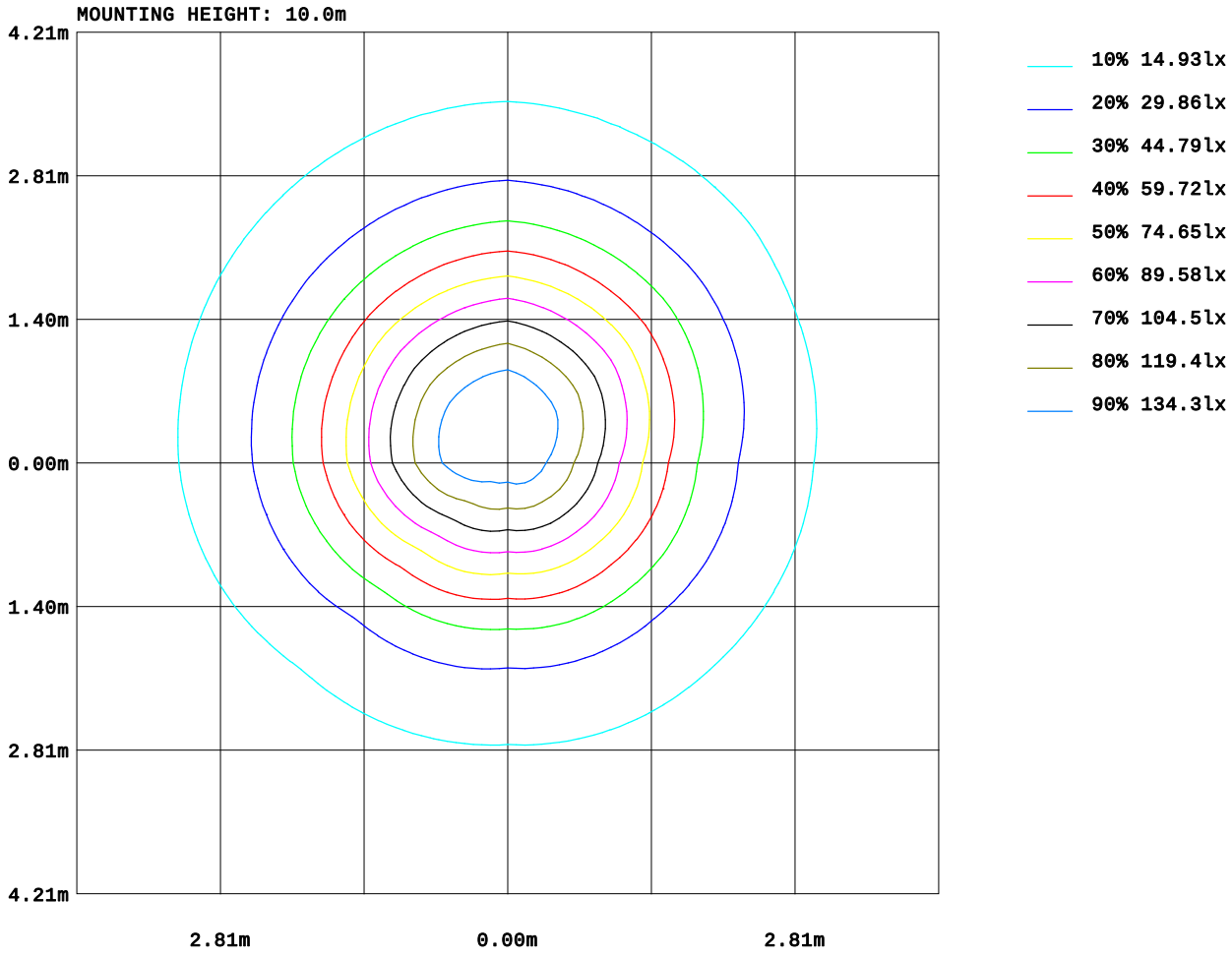
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月05日

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-251275	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月05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-251275	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	0.20	0.26	0.35	0.49	0.64	0.81	1.00	1.18	1.30	1.29	1.15	0.97	0.78	0.61	0.46	0.34	0.25	0.18	12.2	0.00
24	0.25	0.36	0.53	0.74	1.06	1.49	1.97	2.38	2.64	2.61	2.31	1.87	1.39	0.99	0.69	0.49	0.34	0.23	22.3	0.00
21	0.32	0.50	0.77	1.21	1.90	2.73	3.54	4.26	4.70	4.65	4.12	3.32	2.54	1.72	1.08	0.70	0.46	0.30	38.8	13.0
18	0.41	0.67	1.15	2.00	3.12	4.38	5.62	6.71	7.50	7.45	6.59	5.44	4.03	2.79	1.75	1.00	0.60	0.38	61.6	45.0
15	0.52	0.92	1.70	2.96	4.53	6.35	8.60	10.9	12.5	12.4	10.6	8.30	6.06	4.11	2.54	1.43	0.79	0.46	95.9	83.1
12	0.64	1.20	2.33	3.95	6.03	9.13	13.2	17.4	20.4	20.1	16.8	12.5	8.58	5.55	3.34	1.92	0.99	0.55	145	133
9	0.75	1.50	2.90	4.81	7.69	12.3	18.8	25.3	29.7	29.2	24.2	17.5	11.2	6.91	4.11	2.29	1.17	0.62	201	190
	0.83	1.72	3.29	5.46	9.10	15.2	23.6	32.2	37.4	36.7	30.3	21.2	13.1	7.80	4.56	2.56	1.29	0.67	247	237
	0.87	1.81	3.44	5.74	9.72	16.4	25.7	35.0	40.2	38.9	31.6	21.8	13.4	7.88	4.64	2.56	1.29	0.67	262	252
	0.83	1.71	3.27	5.45	9.08	15.0	23.2	31.2	35.3	34.8	28.4	19.7	12.2	7.31	4.37	2.41	1.21	0.64	236	226
	0.73	1.45	2.81	4.67	7.46	11.7	17.3	22.6	26.1	25.9	21.7	15.6	10.1	6.35	3.81	2.15	1.06	0.58	183	172
-9	0.61	1.13	2.19	3.70	5.64	8.24	11.4	15.0	17.0	16.8	14.6	10.9	7.53	5.08	3.06	1.69	0.88	0.50	126	114
-12	0.47	0.84	1.53	2.65	4.01	5.54	7.41	9.24	10.2	10.1	9.06	7.20	5.41	3.65	2.22	1.21	0.69	0.40	81.9	68.1
-15	0.35	0.60	0.99	1.66	2.62	3.71	4.83	5.74	6.18	6.16	5.69	4.77	3.55	2.38	1.42	0.83	0.52	0.30	52.3	34.5
-18	0.26	0.40	0.64	0.96	1.50	2.25	2.95	3.48	3.72	3.71	3.41	2.83	2.09	1.36	0.87	0.58	0.36	0.24	31.6	4.87
-21	0.20	0.28	0.40	0.60	0.85	1.18	1.56	1.86	2.01	1.99	1.80	1.48	1.11	0.79	0.57	0.38	0.25	0.18	17.5	0.00
-24	0.15	0.20	0.26	0.37	0.51	0.66	0.81	0.93	0.98	0.97	0.90	0.78	0.64	0.50	0.35	0.25	0.19	0.14	9.57	0.00
-27	0.11	0.14	0.19	0.24	0.30	0.38	0.46	0.52	0.54	0.54	0.51	0.46	0.37	0.29	0.23	0.18	0.13	0.10	5.71	0.00
Φ t	8.49	15.7	28.7	47.7	75.8	118	172	226	259	255	214	157	104	66.1	40.1	23.0	12.4	7.14	1913	
Φ a	0.00	0.00	2.68	29.1	61.7	105	161	215	248	244	203	145	90.9	50.9	15.9	0.00	0.00	0.00		1572

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月05日

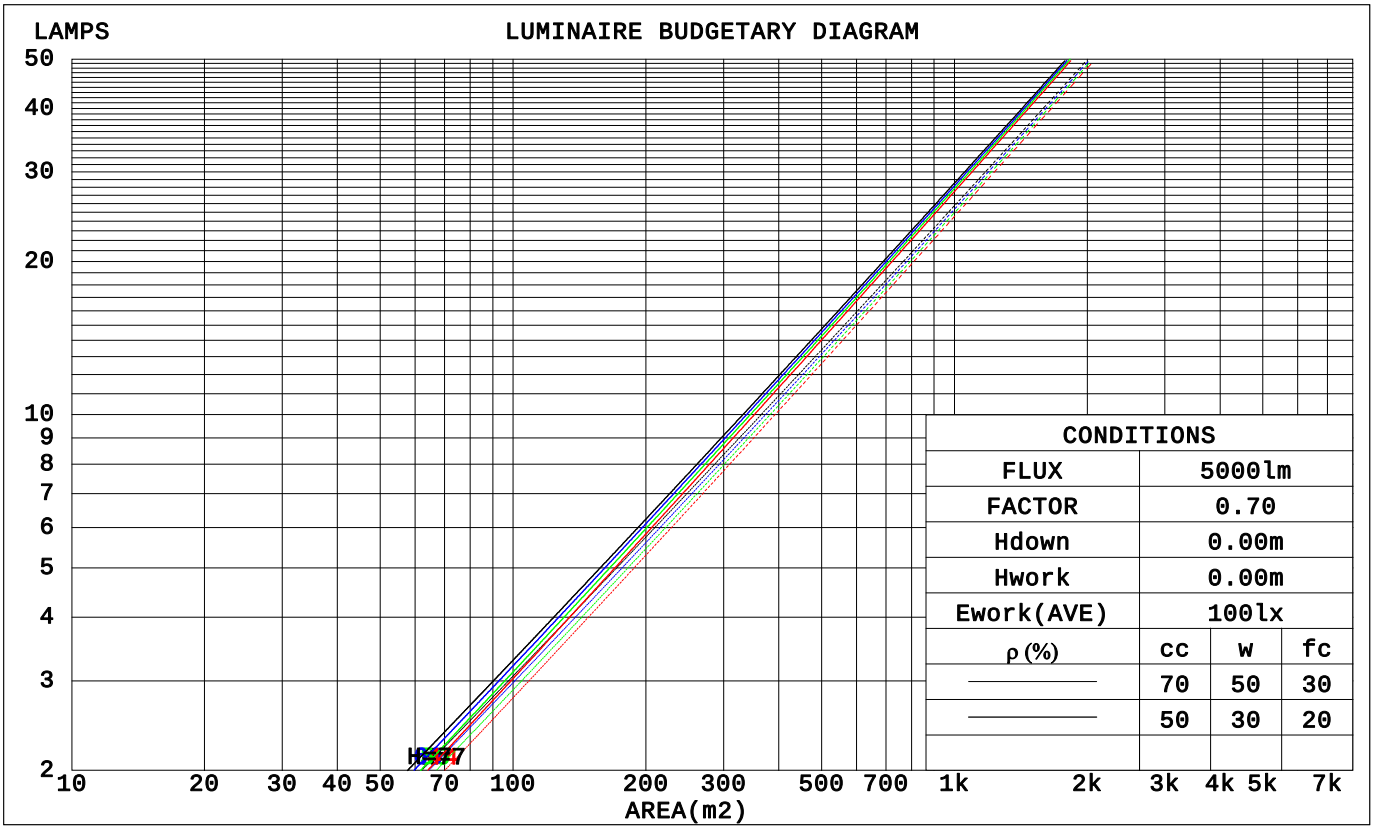
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251275	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	.00	.98	1.00	.98	.96	.98	.96	.94	.96	.94	.93	.92
4.0	1.01	.97	.94	.00	.96	.94	.98	.95	.93	.96	.94	.92	.94	.92	.91	.90
5.0	.98	.94	.91	.97	.93	.91	.95	.92	.90	.94	.91	.89	.92	.90	.88	.87
6.0	.95	.91	.88	.94	.91	.88	.93	.90	.88	.92	.89	.87	.90	.88	.86	.85
7.0	.92	.89	.86	.92	.88	.86	.91	.88	.85	.90	.87	.85	.89	.86	.85	.84
8.0	.90	.86	.84	.90	.86	.84	.89	.86	.83	.88	.85	.83	.87	.85	.83	.82
9.0	.88	.84	.82	.88	.84	.82	.87	.84	.82	.86	.83	.81	.85	.83	.81	.80
10.0	.86	.83	.80	.86	.82	.80	.85	.82	.80	.84	.82	.80	.84	.81	.80	.79



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月05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-251275	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	.070	.022	.109	.063	.020	.097	.056	.018	.087	.050	.016	
2.0	.118	.065	.020	.112	.062	.019	.102	.057	.018	.092	.052	.016	.083	.047	.015	
3.0	.109	.058	.017	.104	.056	.017	.096	.052	.016	.088	.048	.015	.080	.044	.014	
4.0	.101	.053	.015	.097	.051	.015	.090	.048	.014	.083	.045	.013	.077	.042	.013	
5.0	.095	.048	.014	.092	.047	.014	.085	.044	.013	.080	.042	.012	.074	.040	.012	
6.0	.089	.045	.013	.086	.044	.013	.081	.042	.012	.076	.040	.012	.071	.038	.011	
7.0	.084	.042	.012	.082	.041	.012	.077	.039	.011	.073	.037	.011	.069	.036	.011	
8.0	.080	.039	.011	.078	.038	.011	.074	.037	.011	.070	.035	.010	.066	.034	.010	
9.0	.076	.037	.010	.074	.036	.010	.071	.035	.010	.067	.034	.010	.064	.033	.009	
10.0	.073	.035	.010	.071	.034	.010	.068	.033	.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	.195	.195	.195	.167	.167	.167	.114	.114	.114	.065	.065	.065	.021	.021	.021	
1.0	.173	.163	.154	.148	.140	.132	.101	.096	.091	.058	.056	.053	.019	.018	.017	
2.0	.154	.138	.124	.132	.118	.107	.090	.082	.075	.052	.048	.044	.017	.015	.014	
3.0	.138	.118	.102	.119	.102	.088	.081	.071	.062	.047	.041	.037	.015	.013	.012	
4.0	.125	.103	.085	.108	.089	.074	.074	.062	.052	.043	.036	.031	.014	.012	.010	
5.0	.114	.090	.072	.098	.078	.063	.068	.054	.044	.039	.032	.026	.013	.010	.009	
6.0	.105	.080	.062	.090	.069	.054	.062	.048	.038	.036	.029	.023	.012	.009	.007	
7.0	.097	.072	.054	.084	.062	.047	.058	.044	.033	.034	.026	.020	.011	.008	.007	
8.0	.090	.065	.047	.078	.056	.041	.054	.039	.029	.031	.023	.017	.010	.008	.006	
9.0	.084	.059	.042	.073	.051	.036	.050	.036	.026	.029	.021	.015	.010	.007	.005	
10.0	.079	.054	.037	.068	.047	.032	.047	.033	.023	.028	.020	.014	.009	.006	.005	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月05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-251275	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	-5.5	-4.9	-5.3	-4.8	-4.6	-6.5	-5.9	-6.2	-5.7	-5.6
3H	-5.2	-4.6	-4.9	-4.4	-4.3	-6.1	-5.5	-5.8	-5.3	-5.1
4H	-4.9	-4.3	-4.6	-4.1	-3.9	-5.7	-5.1	-5.4	-4.9	-4.7
6H	-4.3	-3.8	-4.0	-3.6	-3.4	-5.1	-4.6	-4.8	-4.3	-4.1
8H	-4.0	-3.5	-3.7	-3.2	-3.0	-4.6	-4.2	-4.3	-3.9	-3.6
12H	-3.4	-2.9	-3.1	-2.7	-2.4	-4.1	-3.6	-3.7	-3.3	-3.1
4H 2H	-5.7	-5.2	-5.4	-5.0	-4.7	-6.6	-6.1	-6.3	-5.9	-5.7
3H	-5.3	-4.9	-5.0	-4.6	-4.3	-6.2	-5.7	-5.8	-5.4	-5.2
4H	-4.9	-4.5	-4.6	-4.2	-3.9	-5.7	-5.2	-5.3	-4.9	-4.6
6H	-4.2	-3.8	-3.8	-3.5	-3.1	-4.9	-4.5	-4.5	-4.1	-3.8
8H	-3.7	-3.3	-3.3	-3.0	-2.6	-4.3	-3.9	-3.9	-3.6	-3.2
12H	-2.9	-2.6	-2.5	-2.2	-1.8	-3.5	-3.1	-3.0	-2.8	-2.4
8H 4H	-5.0	-4.7	-4.6	-4.3	-3.9	-5.8	-5.4	-5.4	-5.1	-4.7
6H	-4.2	-3.9	-3.8	-3.5	-3.1	-4.9	-4.6	-4.4	-4.2	-3.7
8H	-3.6	-3.3	-3.1	-2.9	-2.4	-4.2	-3.9	-3.7	-3.5	-3.0
12H	-2.6	-2.3	-2.1	-1.9	-1.4	-3.1	-2.9	-2.6	-2.4	-1.9
12H 4H	-5.0	-4.7	-4.6	-4.3	-3.9	-5.8	-5.5	-5.4	-5.1	-4.7
6H	-4.3	-4.0	-3.8	-3.6	-3.1	-4.9	-4.6	-4.4	-4.2	-3.8
8H	-3.6	-3.4	-3.1	-2.9	-2.4	-4.2	-3.9	-3.7	-3.5	-3.0
Variations with the observer position at spacings:										
S = 1.0H	+ 1.9 / - 1.4					+ 1.4 / - 1.2				
1.5H	+ 3.4 / - 1.6					+ 2.7 / - 1.5				
2.0H	+ 2.3 / - 1.3					+ 2.1 / - 1.1				

CIE Pub.117 Corrected 1913 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.3)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月05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-251275	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	85	81	89	84	81	78
0.80	97	92	89	97	92	89	96	91	88	85
1.00	101	96	93	100	96	93	99	95	92	88
1.25	105	100	97	104	99	97	102	98	96	92
1.50	107	103	100	106	102	99	104	101	98	94
2.00	109	106	103	108	105	102	105	103	100	95
2.50	111	107	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	103	97
4.00	114	112	110	112	110	108	109	107	105	98
5.00	115	113	112	113	112	110	109	108	107	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

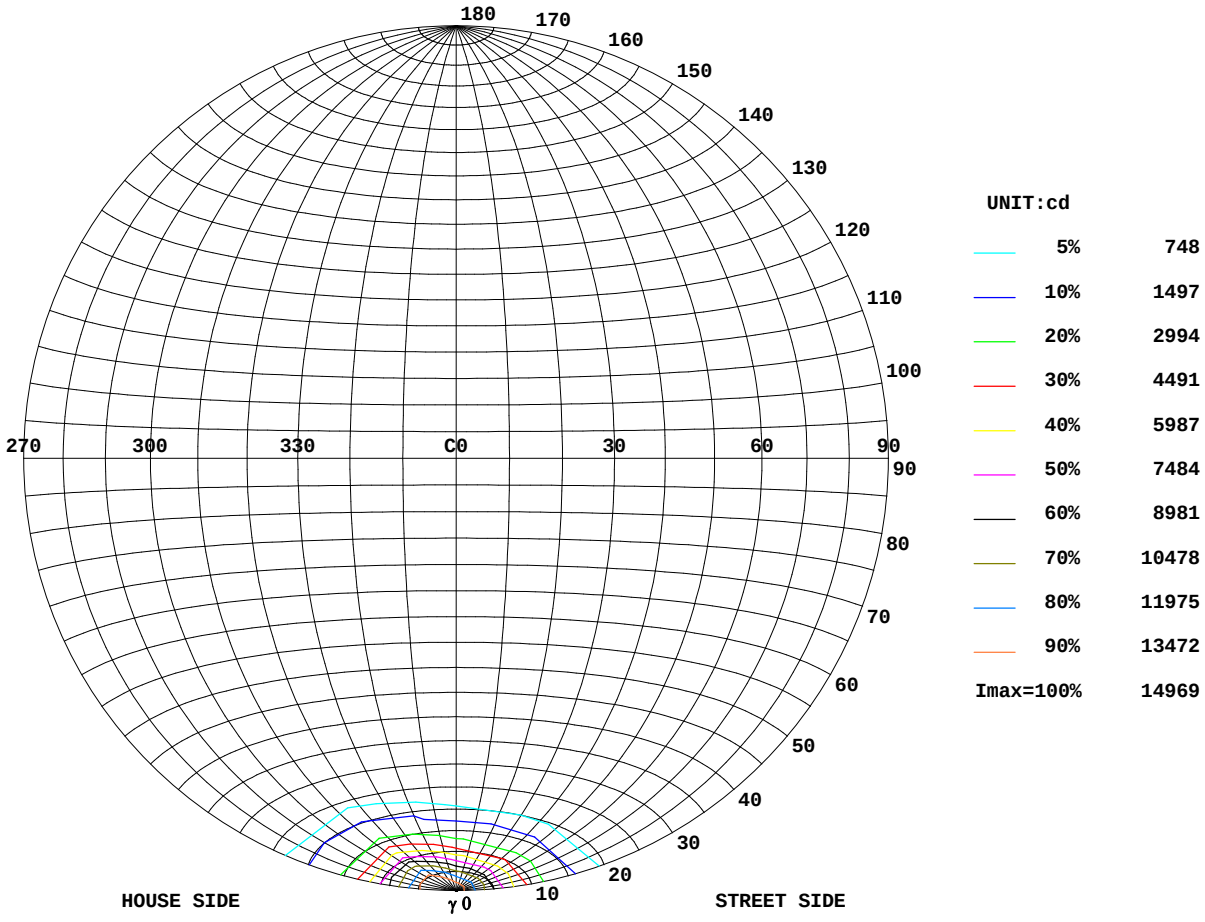
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月05日

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-251275	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月05日

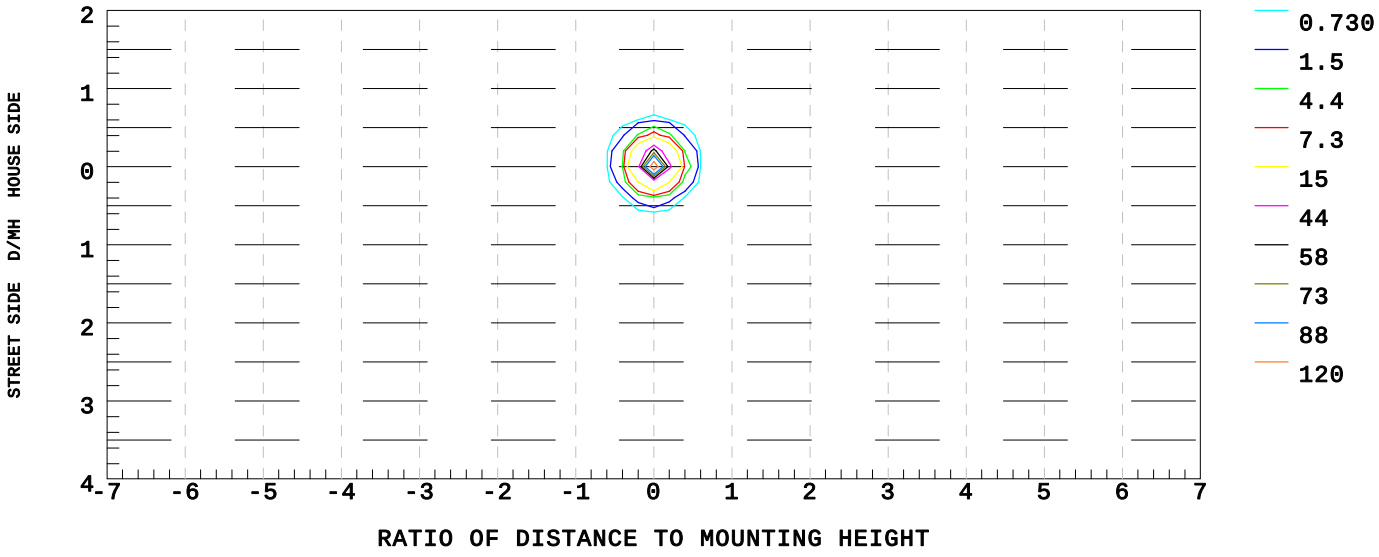
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

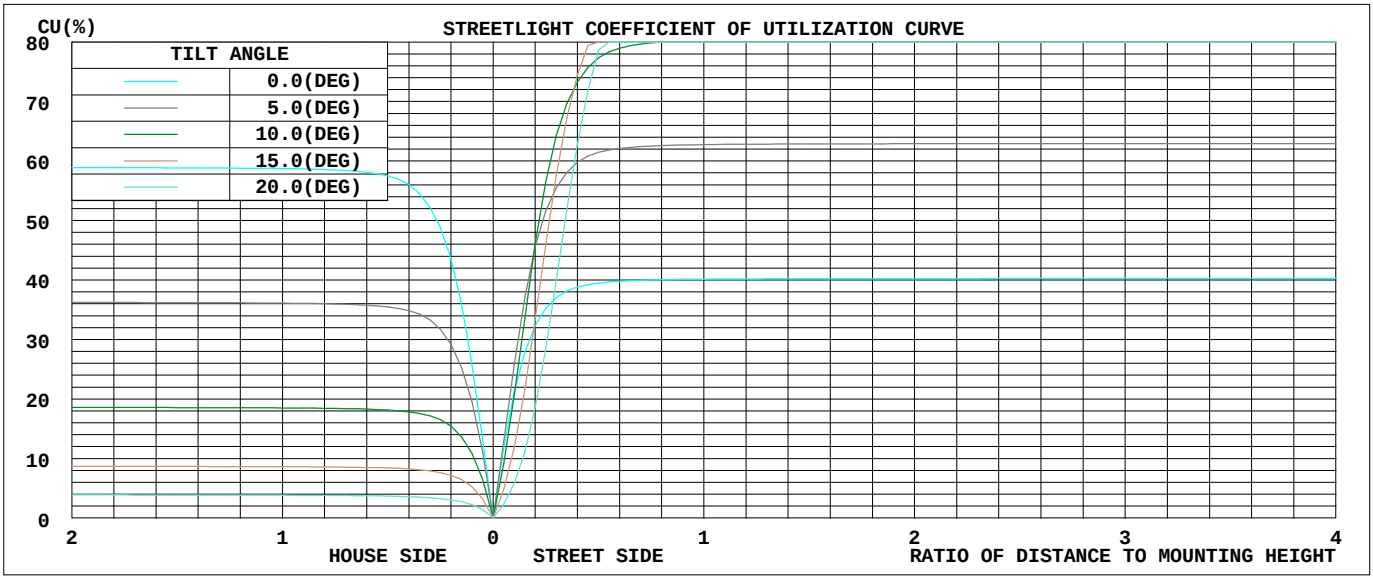
ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251275	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 146.21 lx





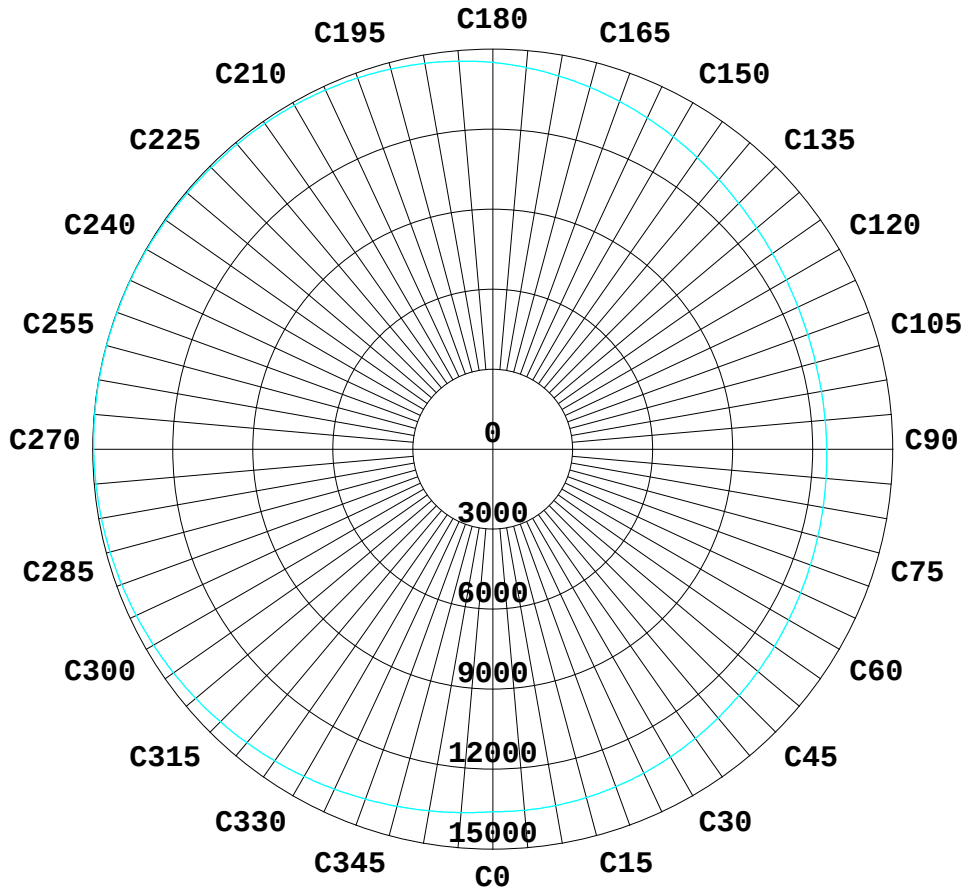
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月05日

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-251275	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月05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-251275	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

UNIT: ×10cd

γ (DEG) \ C(DEG)	0	45	90	135	180	225	270	315
0.0	1462	1456	1426	1430	1462	1456	1426	1430
5.0	1063	957	903	979	1229	1330	1382	1262
10.0	515	445	402	462	648	765	823	715
15.0	219	200	176	198	276	323	361	306
20.0	88.3	67.7	63.6	75.7	121	146	154	115
25.0	28.1	22.2	21.0	23.8	37.3	48.8	52.5	42.8
30.0	11.6	8.81	8.93	9.32	13.4	18.2	20.6	17.0
35.0	5.89	4.22	4.62	4.54	6.41	8.47	8.05	7.97
40.0	2.94	2.03	2.52	2.24	3.13	4.42	3.81	3.91
45.0	1.57	0.94	1.43	1.11	1.55	2.31	1.70	1.97
50.0	0.94	0.46	0.86	0.54	0.73	1.28	0.82	1.15
55.0	0.63	0.23	0.56	0.26	0.37	0.80	0.40	0.72
60.0	0.45	0.12	0.41	0.13	0.19	0.54	0.17	0.50
65.0	0.38	0.08	0.35	0.08	0.12	0.42	0.10	0.40
70.0	0.32	0.05	0.30	0.06	0.09	0.36	0.07	0.33
75.0	0.28	0.04	0.26	0.03	0.06	0.29	0.04	0.29
80.0	0.24	0.03	0.23	0.03	0.06	0.25	0.03	0.25
85.0	0.21	0.02	0.20	0.01	0.04	0.21	0.00	0.21
90.0	0.17	0.00	0.17	0.00	0.03	0.19	0.00	0.16
95.0	0.17	0.01	0.15	0.00	0.02	0.15	0.00	0.16
100.0	0.14	0.00	0.14	0.00	0.02	0.15	0.01	0.15
105.0	0.14	0.00	0.12	0.00	0.02	0.15	0.00	0.14
110.0	0.13	0.01	0.12	0.00	0.02	0.13	0.01	0.13
115.0	0.12	0.01	0.11	0.01	0.03	0.10	0.00	0.12
120.0	0.12	0.00	0.10	0.01	0.02	0.08	0.01	0.12
125.0	0.11	0.02	0.10	0.01	0.02	0.12	0.01	0.11
130.0	0.11	0.03	0.08	0.03	0.06	0.12	0.02	0.11
135.0	0.12	0.06	0.12	0.05	0.08	0.12	0.01	0.11
140.0	0.16	0.11	0.17	0.10	0.12	0.15	0.07	0.14
145.0	0.21	0.23	0.28	0.19	0.23	0.23	0.15	0.21
150.0	0.38	0.43	0.46	0.40	0.44	0.41	0.31	0.39
155.0	0.66	0.73	0.71	0.65	0.73	0.70	0.57	0.66
160.0	0.88	0.98	0.92	0.90	0.99	0.99	0.84	0.95
165.0	1.05	1.06	1.01	1.01	1.13	1.17	1.04	1.13
170.0	1.09	1.03	1.04	0.99	1.17	1.17	1.11	1.14
175.0	1.06	0.96	1.00	0.91	1.12	1.10	1.08	1.05
180.0	1.06	0.99	1.02	0.94	1.05	1.01	1.04	0.97

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月05日

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