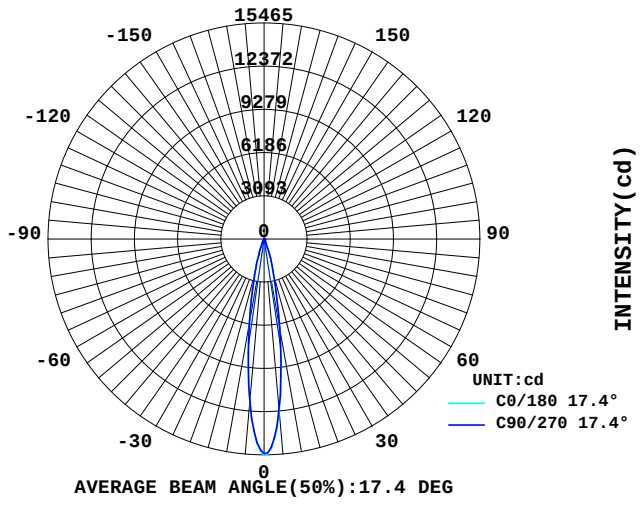
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251274	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

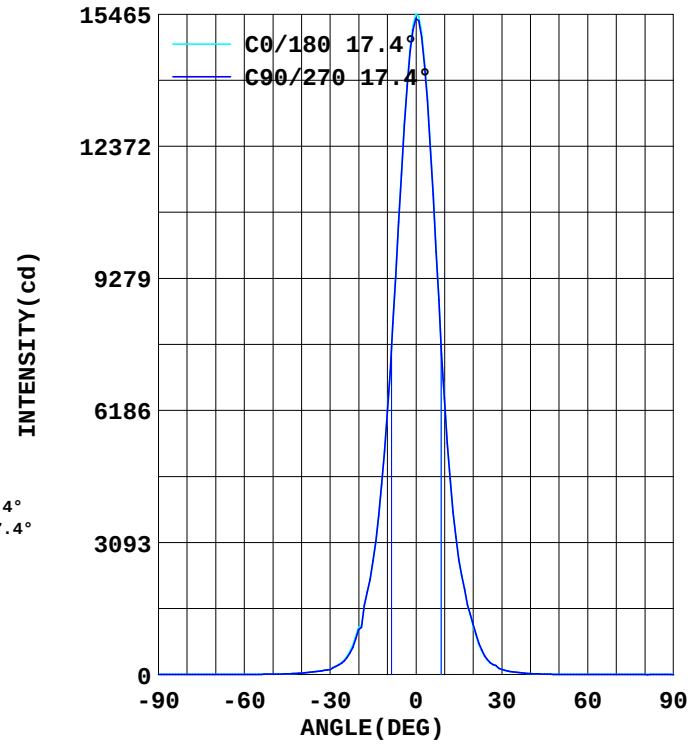
DATA OF LAMP		Imax(cd)	15465	S/MH(C0/180)	0.29
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.29
NOMINAL POWER(W)	30	TOTAL FLUX(lm)	2006.5	Voltage(V)	22.83
RATED VOLTAGE(V)	23	EFFICIENCY(lm/W)	65.3	Current(A)	1.345
NOMINAL FLUX(lm)	2006.5	η up(%)	0.7	Power(W)	30.71
LAMPS QUANTITY	1	η down(%)	99.3	Power Factor(PF)	1.000
TEST VOLTAGE(V)	22.8	Effictive Flux(lm)	1659.2	EEI	0.252

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):17.4 DEG

LUMINOUS INTENSITY DISTRIBUTION



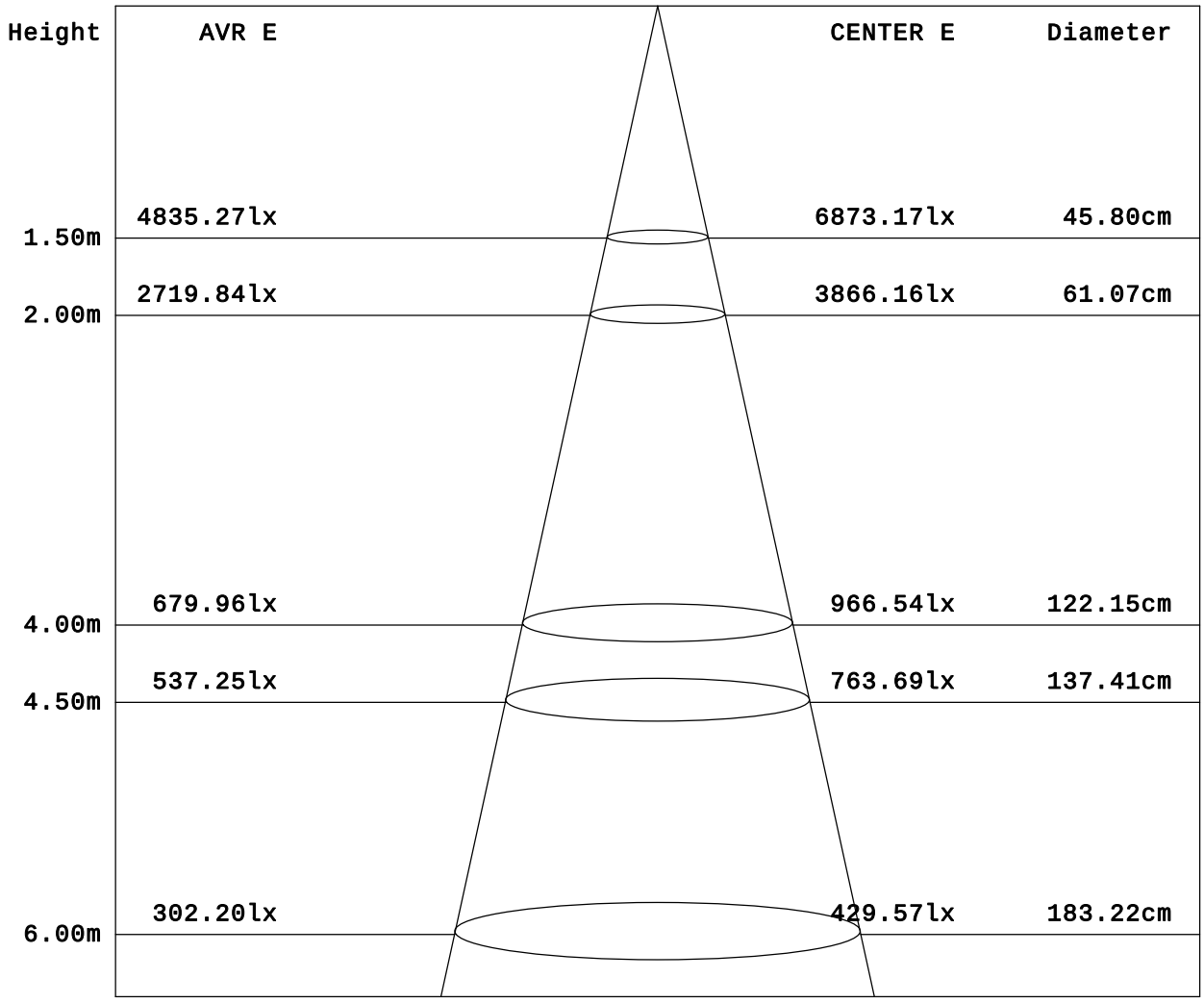
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08日

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-251274	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Angle:17.4deg

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-251274	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	1175	1144	1171	1202	1243	1281	1233	1207	0- 5	326.5	326.5
10.0	616.1	585.9	615.7	612.8	648.2	676.6	647.2	624.3	5- 10	629.1	955.7
15.0	265.2	253.4	266.5	257.4	271.5	290.6	268.5	269.7	10- 15	490.0	1446
20.0	111.1	101.5	104.9	104.7	113.0	113.6	116.9	115.2	15- 20	295.2	1741
25.0	35.23	30.55	32.79	30.40	34.11	38.85	35.28	36.20	20- 25	135.0	1876
30.0	11.71	11.40	11.63	11.35	12.09	15.34	12.31	14.96	25- 30	54.61	1931
35.0	6.820	5.745	6.854	5.676	5.524	6.544	5.449	6.702	30- 35	26.16	1957
40.0	3.527	2.796	3.651	2.624	2.576	3.286	2.500	3.348	35- 40	14.71	1972
45.0	1.770	1.267	1.860	1.150	1.150	1.749	1.109	1.770	40- 45	7.983	1980
50.0	1.019	0.558	1.033	0.510	0.503	1.005	0.503	1.005	45- 50	4.325	1984
55.0	0.654	0.234	0.648	0.220	0.248	0.648	0.241	0.648	50- 55	2.545	1986
60.0	0.448	0.103	0.434	0.103	0.110	0.427	0.103	0.455	55- 60	1.561	1988
65.0	0.372	0.069	0.365	0.055	0.041	0.365	0.062	0.344	60- 65	1.161	1989
70.0	0.317	0.048	0.296	0.041	0.055	0.317	0.034	0.317	65- 70	0.983	1990
75.0	0.276	0.034	0.276	0.014	0.048	0.276	0.028	0.276	70- 75	0.852	1991
80.0	0.248	0.034	0.234	0.028	0.041	0.241	0.028	0.248	75- 80	0.765	1992
85.0	0.227	0.007	0.207	0.014	0.007	0.227	0.021	0.227	80- 85	0.684	1992
90.0	0.200	0	0.200	0.014	0.034	0.200	0	0.172	85- 90	0.619	1993
95.0	0.172	0.007	0.179	0.014	0.034	0.186	0.014	0.179	90- 95	0.551	1994
100.0	0.145	0.014	0.145	0.014	0.028	0.165	0.014	0.172	95-100	0.524	1994
105.0	0.165	0.021	0.158	0.021	0.034	0.165	0.021	0.165	100-105	0.477	1995
110.0	0.131	0.021	0.124	0.007	0.041	0.152	0.021	0.145	105-110	0.448	1995
115.0	0.145	0.021	0.138	0.021	0.028	0.117	0.028	0.138	110-115	0.416	1996
120.0	0.124	0.028	0.131	0.028	0.048	0.138	0.028	0.138	115-120	0.394	1996
125.0	0.117	0.034	0.131	0.028	0.041	0.138	0.014	0.124	120-125	0.362	1996
130.0	0.124	0.041	0.124	0.021	0.055	0.103	0.048	0.131	125-130	0.363	1997
135.0	0.131	0.062	0.131	0.062	0.083	0.145	0.076	0.138	130-135	0.370	1997
140.0	0.158	0.083	0.165	0.069	0.145	0.179	0.124	0.165	135-140	0.433	1997
145.0	0.241	0.200	0.248	0.172	0.234	0.282	0.220	0.276	140-145	0.623	1998
150.0	0.386	0.406	0.413	0.379	0.482	0.482	0.441	0.503	145-150	0.956	1999
155.0	0.668	0.696	0.668	0.648	0.758	0.799	0.737	0.820	150-155	1.448	2000
160.0	0.916	0.971	0.923	0.944	1.047	1.060	1.005	1.081	155-160	1.804	2002
165.0	1.067	1.081	1.074	1.102	1.191	1.240	1.129	1.233	160-165	1.780	2004
170.0	1.136	1.102	1.136	1.102	1.226	1.233	1.150	1.219	165-170	1.377	2005
175.0	1.081	0.999	1.095	1.005	1.171	1.129	1.116	1.102	170-175	0.810	2006
180.0	1.102	1.026	1.088	1.005	1.088	1.040	1.074	1.033	175-180	0.256	2007
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:

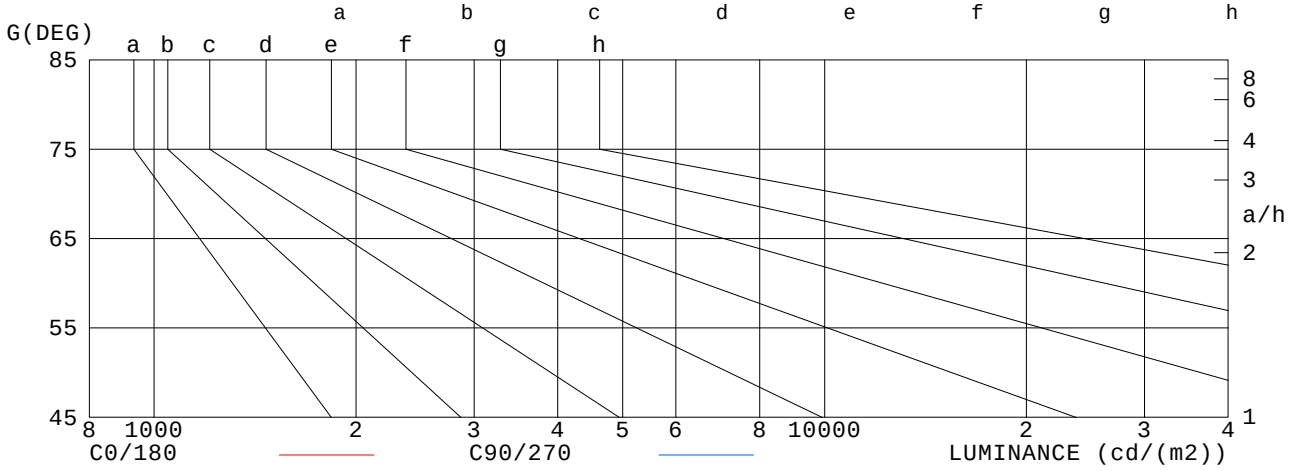
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251274	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	261	237
80	143	135
75	106	106
70	93	87
65	88	86
60	90	87
55	114	113
50	159	161
45	250	263

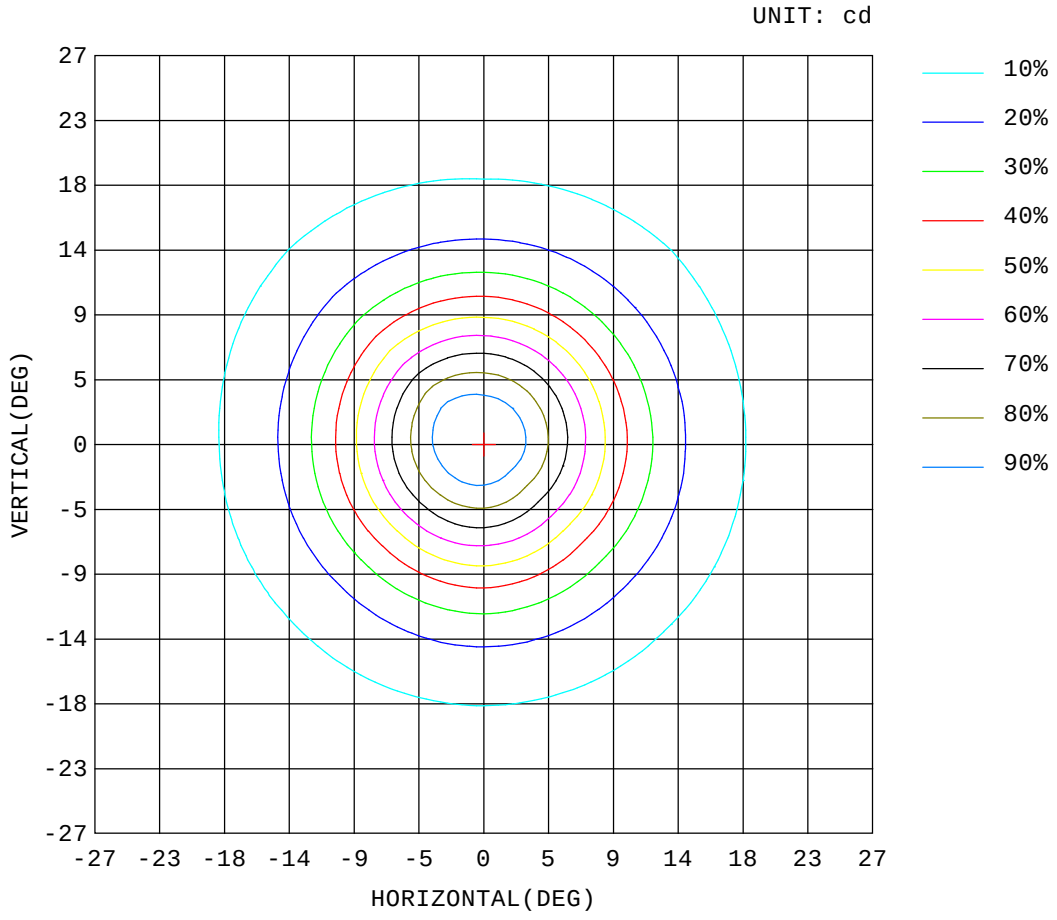
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08日

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-251274	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



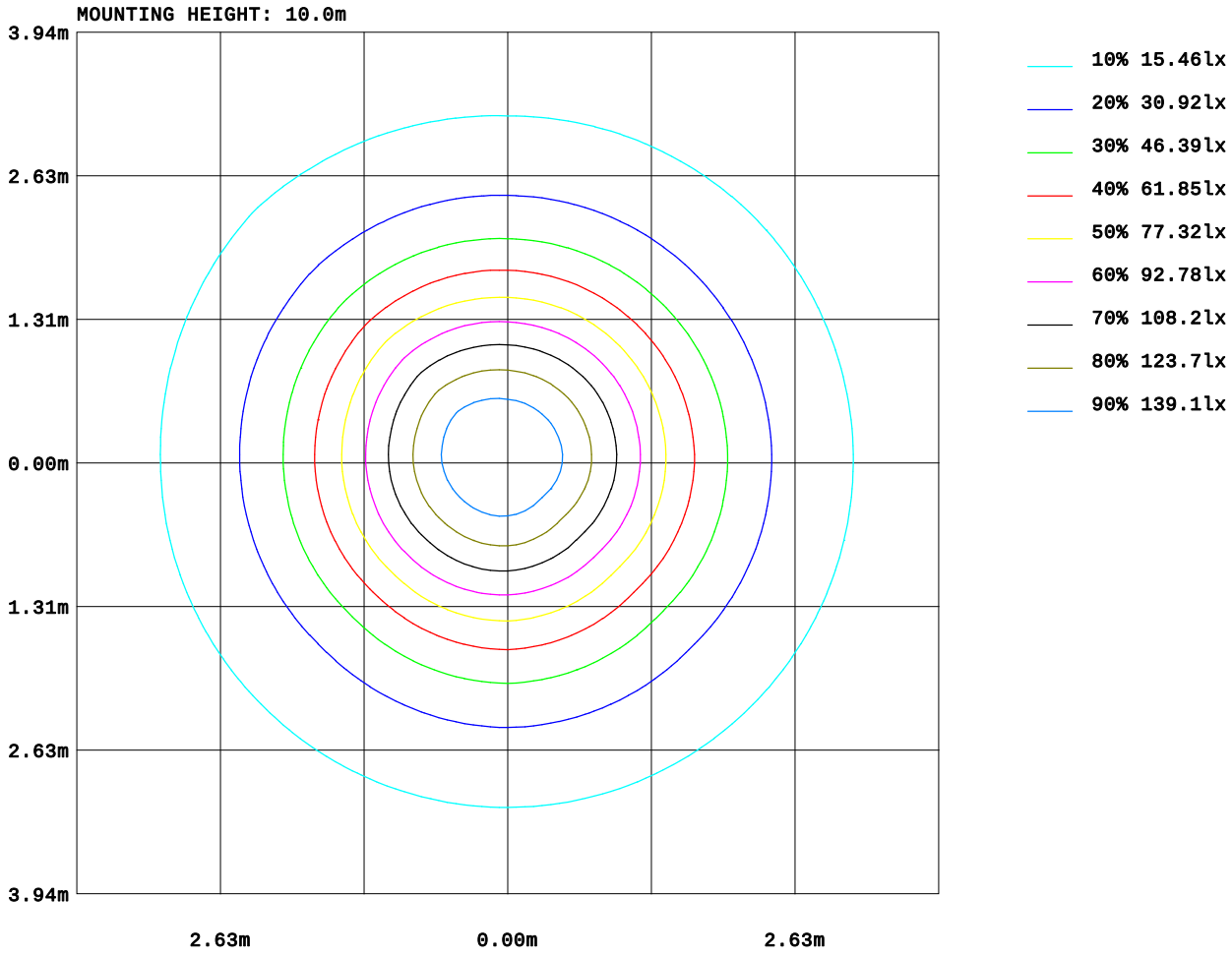
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08日

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-251274	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-251274	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	0.15	0.21	0.27	0.38	0.50	0.63	0.75	0.84	0.89	0.88	0.82	0.73	0.61	0.49	0.37	0.27	0.21	0.16	9.15	0.00
24	0.20	0.29	0.43	0.61	0.83	1.10	1.41	1.67	1.81	1.80	1.63	1.36	1.05	0.79	0.58	0.42	0.29	0.21	16.5	0.00
21	0.26	0.42	0.64	0.97	1.47	2.13	2.74	3.27	3.52	3.50	3.22	2.68	2.02	1.38	0.91	0.61	0.41	0.27	30.4	0.00
18	0.35	0.58	0.94	1.63	2.58	3.65	4.72	5.48	5.88	5.83	5.34	4.54	3.53	2.44	1.50	0.89	0.56	0.35	50.8	31.1
15	0.46	0.77	1.40	2.52	4.04	5.65	7.25	8.76	9.64	9.53	8.48	6.91	5.30	3.82	2.38	1.32	0.75	0.45	79.5	65.1
12	0.57	1.01	2.00	3.53	5.58	8.10	11.2	14.3	16.1	15.9	13.7	10.5	7.54	5.21	3.34	1.90	0.99	0.56	122	110
9	0.67	1.28	2.55	4.55	7.13	11.1	16.7	22.1	25.2	24.7	20.9	15.5	10.4	6.70	4.25	2.46	1.24	0.66	178	167
	0.74	1.49	3.02	5.28	8.56	14.1	22.0	30.3	34.8	34.0	28.4	20.4	13.3	8.14	5.03	2.82	1.46	0.75	235	224
	0.78	1.60	3.25	5.67	9.41	15.9	25.1	34.8	40.6	39.7	33.0	23.5	15.1	9.05	5.46	3.02	1.59	0.79	269	258
	0.76	1.57	3.20	5.61	9.26	15.6	24.5	33.9	39.6	38.8	32.2	23.1	14.9	8.98	5.43	2.98	1.56	0.78	263	252
	0.70	1.39	2.88	5.10	8.18	13.3	20.5	28.1	32.9	32.2	26.7	19.5	12.9	7.97	4.96	2.70	1.39	0.72	222	212
-9	0.61	1.15	2.34	4.24	6.66	10.2	15.1	20.2	23.5	23.2	19.5	14.5	9.98	6.51	4.07	2.28	1.15	0.62	166	155
-12	0.51	0.89	1.70	3.15	5.14	7.28	10.2	13.3	15.3	15.2	13.1	10.0	7.17	5.06	3.01	1.68	0.90	0.51	114	102
-15	0.39	0.66	1.15	2.09	3.46	5.17	6.70	8.25	9.31	9.28	8.19	6.64	5.11	3.36	2.04	1.14	0.67	0.40	74.0	58.8
-18	0.29	0.48	0.76	1.25	2.09	3.12	4.22	5.16	5.67	5.66	5.14	4.18	3.05	2.04	1.24	0.77	0.48	0.30	45.9	25.6
-21	0.22	0.33	0.50	0.77	1.16	1.71	2.33	2.77	3.05	3.04	2.75	2.30	1.69	1.15	0.77	0.50	0.33	0.23	25.6	0.00
-24	0.17	0.24	0.33	0.48	0.68	0.92	1.18	1.41	1.57	1.57	1.41	1.17	0.92	0.68	0.48	0.33	0.24	0.18	13.9	0.00
-27	0.13	0.18	0.24	0.31	0.41	0.54	0.66	0.75	0.82	0.82	0.75	0.66	0.54	0.41	0.31	0.24	0.18	0.14	8.06	0.00
Φ t	7.95	14.5	27.6	48.1	77.2	121	178	236	271	266	226	169	115	74.2	46.1	26.3	14.4	8.07	2007	
Φ a	0.00	0.00	0.00	29.0	62.1	107	166	225	259	255	215	156	102	59.2	25.7	0.00	0.00	0.00		1659

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

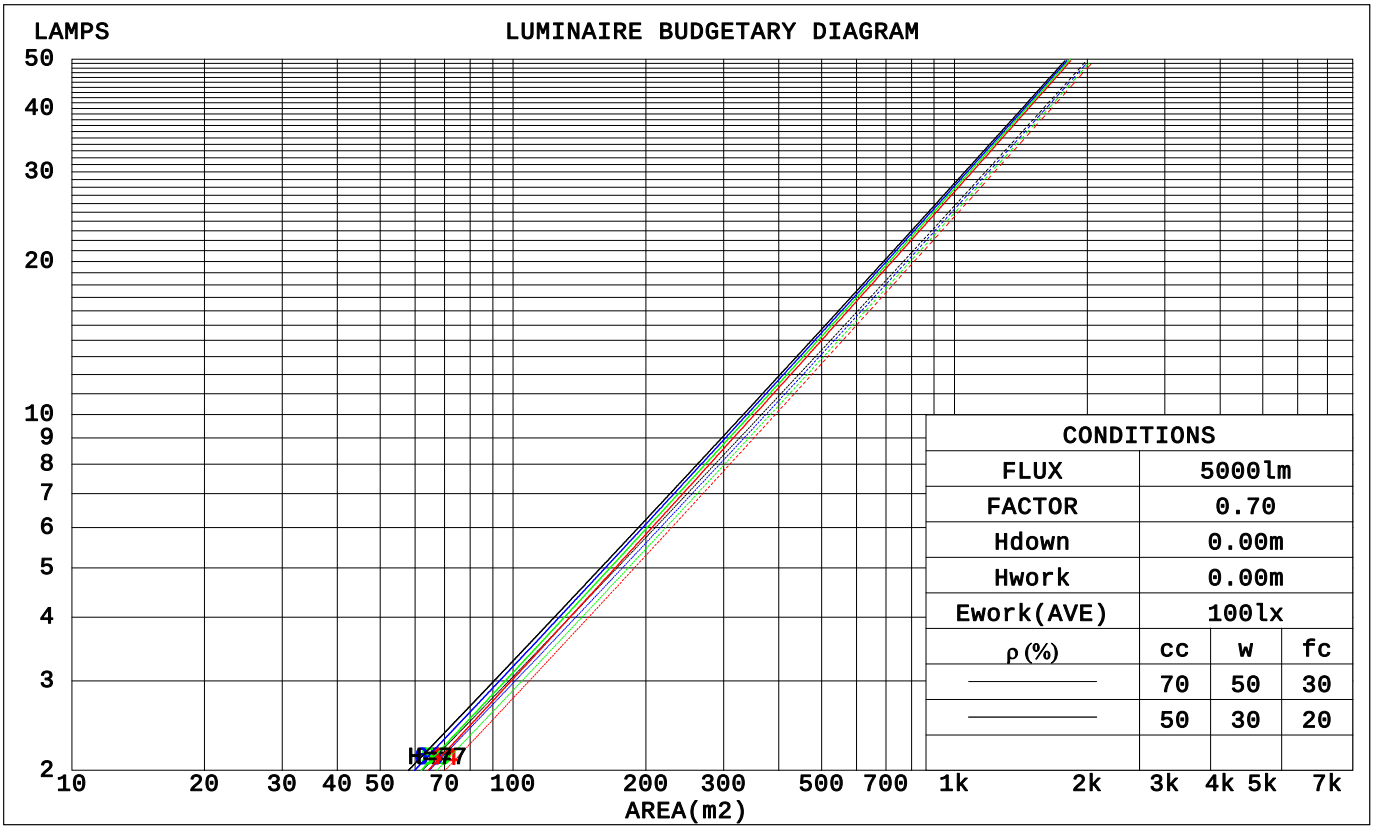
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251274	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	.99	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	.85	.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-251274	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	.121	.069	.022	.108	.062	.020	.097	.056	.018	.086	.050	.016	
2.0	.117	.064	.020	.112	.061	.019	.101	.056	.017	.091	.051	.016	.083	.047	.015	
3.0	.108	.058	.017	.104	.055	.017	.095	.051	.016	.087	.048	.015	.079	.044	.014	
4.0	.101	.052	.015	.097	.051	.015	.089	.047	.014	.083	.044	.013	.076	.041	.013	
5.0	.094	.048	.014	.091	.047	.014	.085	.044	.013	.079	.042	.012	.073	.039	.012	
6.0	.089	.044	.013	.086	.043	.012	.080	.041	.012	.075	.039	.012	.071	.037	.011	
7.0	.084	.041	.012	.081	.040	.012	.077	.039	.011	.072	.037	.011	.068	.035	.010	
8.0	.079	.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	.033	.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	.132	.101	.096	.092	.058	.056	.053	.019	.018	.017	
2.0	.154	.138	.124	.132	.119	.107	.090	.082	.075	.052	.048	.044	.017	.015	.014	
3.0	.139	.118	.102	.119	.102	.089	.082	.071	.062	.047	.041	.037	.015	.013	.012	
4.0	.125	.103	.086	.108	.089	.074	.074	.062	.052	.043	.036	.031	.014	.012	.010	
5.0	.114	.090	.073	.098	.078	.063	.068	.055	.045	.039	.032	.026	.013	.010	.009	
6.0	.105	.080	.062	.090	.070	.054	.062	.049	.038	.036	.029	.023	.012	.009	.008	
7.0	.097	.072	.054	.084	.062	.047	.058	.044	.033	.034	.026	.020	.011	.008	.007	
8.0	.090	.065	.048	.078	.056	.041	.054	.040	.029	.031	.023	.018	.010	.008	.006	
9.0	.085	.059	.042	.073	.051	.037	.050	.036	.026	.029	.021	.016	.010	.007	.005	
10.0	.079	.054	.038	.068	.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-251274	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	-4.6	-4.0	-4.4	-3.8	-3.7	-4.6	-4.0	-4.4	-3.9	-3.7
3H	-4.4	-3.8	-4.1	-3.6	-3.4	-4.4	-3.9	-4.2	-3.7	-3.5
4H	-4.1	-3.6	-3.9	-3.4	-3.2	-4.2	-3.7	-3.9	-3.4	-3.2
6H	-3.7	-3.2	-3.4	-3.0	-2.8	-3.8	-3.3	-3.5	-3.0	-2.8
8H	-3.4	-3.0	-3.1	-2.7	-2.4	-3.5	-3.0	-3.2	-2.7	-2.5
12H	-2.9	-2.5	-2.6	-2.2	-1.9	-3.0	-2.6	-2.7	-2.3	-2.0
4H 2H	-4.8	-4.2	-4.5	-4.0	-3.8	-4.8	-4.3	-4.5	-4.1	-3.8
3H	-4.5	-4.1	-4.2	-3.8	-3.5	-4.6	-4.1	-4.3	-3.9	-3.6
4H	-4.2	-3.8	-3.9	-3.5	-3.2	-4.3	-3.9	-3.9	-3.6	-3.3
6H	-3.7	-3.3	-3.3	-3.0	-2.6	-3.7	-3.4	-3.4	-3.0	-2.7
8H	-3.3	-2.9	-2.9	-2.5	-2.2	-3.3	-2.9	-2.9	-2.6	-2.2
12H	-2.5	-2.2	-2.1	-1.8	-1.4	-2.6	-2.3	-2.2	-1.9	-1.5
8H 4H	-4.4	-4.0	-4.0	-3.7	-3.3	-4.4	-4.1	-4.0	-3.7	-3.3
6H	-3.7	-3.4	-3.3	-3.0	-2.6	-3.8	-3.5	-3.4	-3.1	-2.7
8H	-3.2	-3.0	-2.8	-2.5	-2.1	-3.2	-3.0	-2.8	-2.6	-2.1
12H	-2.3	-2.0	-1.8	-1.6	-1.1	-2.4	-2.1	-1.9	-1.7	-1.2
12H 4H	-4.4	-4.1	-4.0	-3.7	-3.3	-4.5	-4.1	-4.0	-3.8	-3.4
6H	-3.8	-3.5	-3.3	-3.1	-2.6	-3.8	-3.6	-3.4	-3.1	-2.7
8H	-3.2	-3.0	-2.8	-2.6	-2.1	-3.3	-3.0	-2.8	-2.6	-2.1
Variations with the observer position at spacings:										
S = 1.0H	+ 2.1 / - 2.0					+ 2.1 / - 2.0				
1.5H	+ 3.8 / - 2.2					+ 3.8 / - 2.2				
2.0H	+ 2.6 / - 1.7					+ 2.9 / - 1.5				

CIE Pub.117 Corrected 2007 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.4)

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-251274	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	91	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	100	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	108	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	

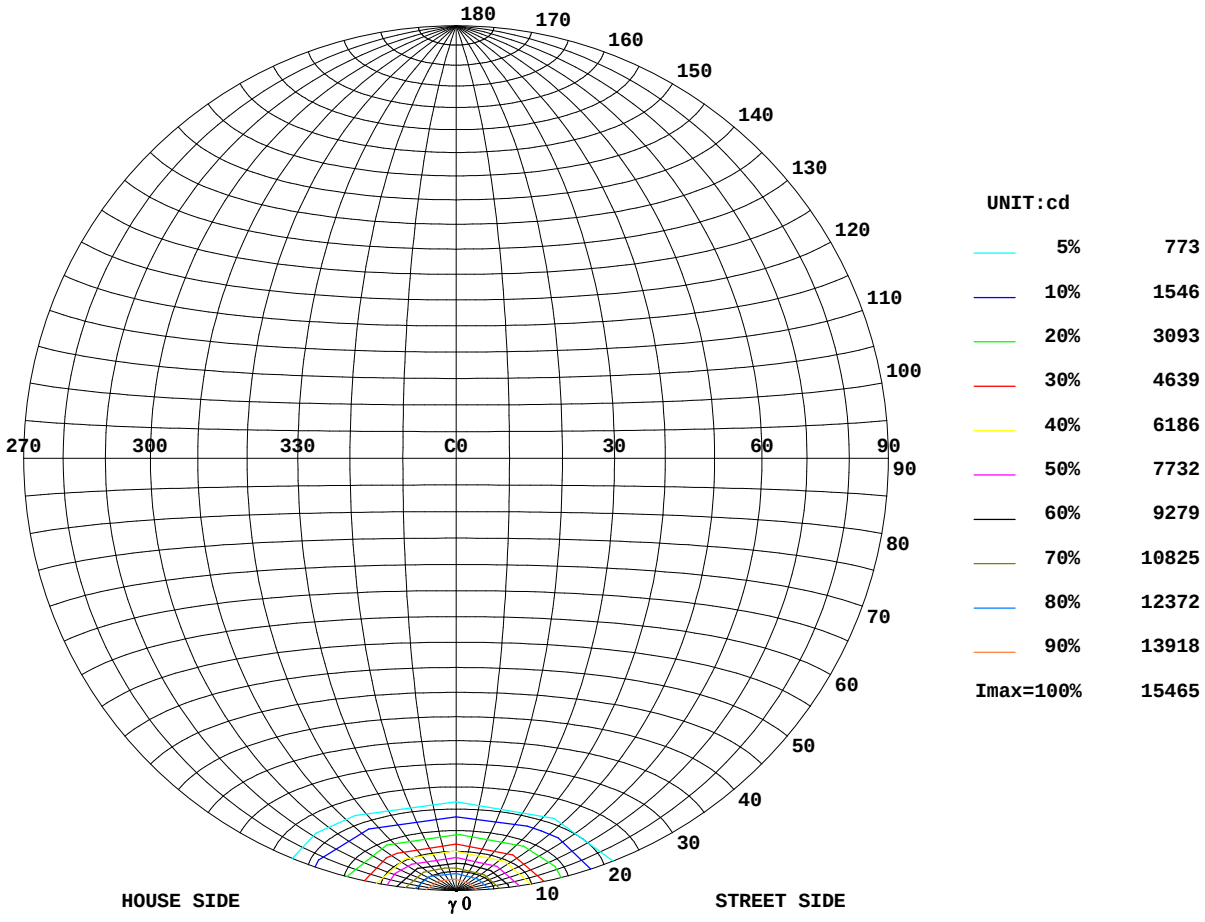
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08日

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-251274	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



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

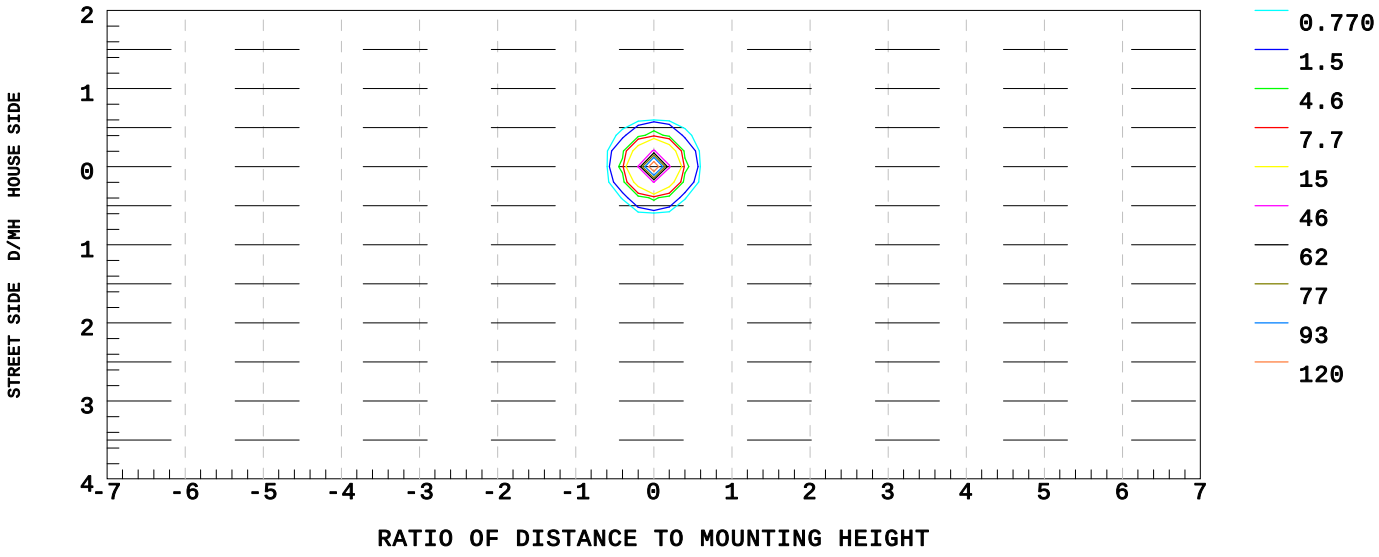
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit Commercial		
Address:		
NAME: HCP-251274	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 154.65 lx





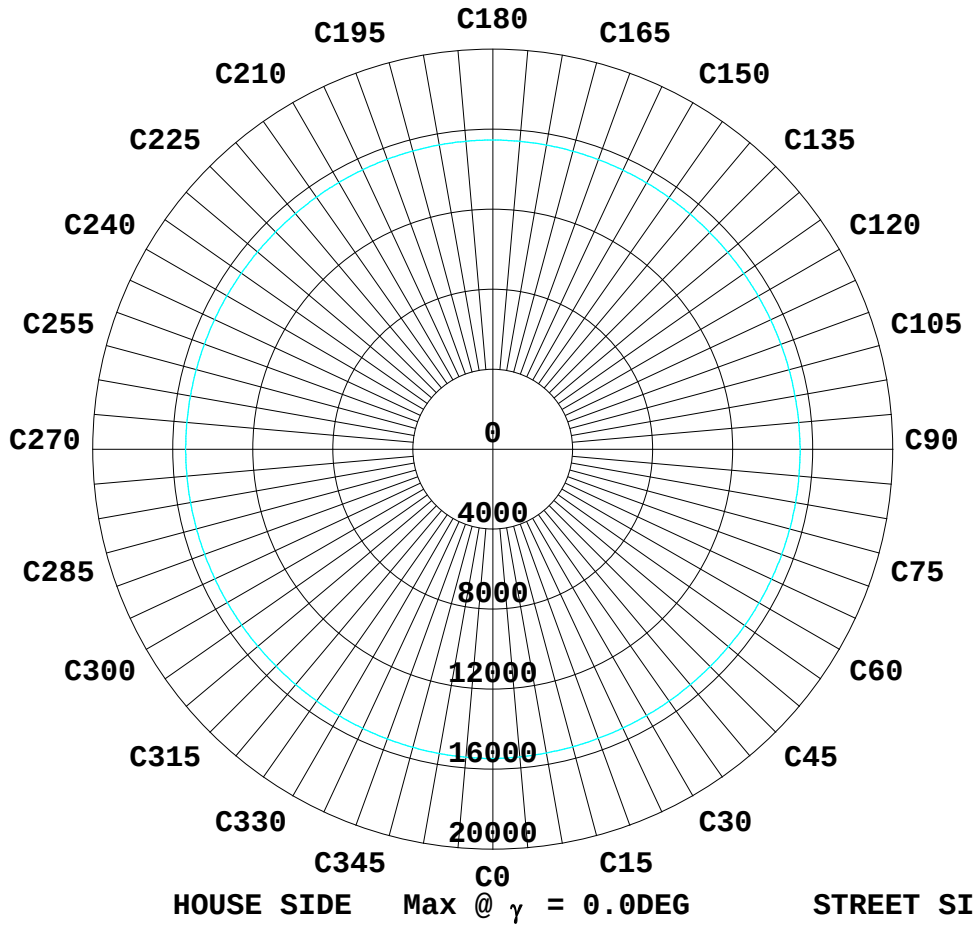
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年07月08日

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-251274	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-251274	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

UNIT: ×10cd

γ (DEG) \ C(DEG)	0	45	90	135	180	225	270	315
0.0	1546	1537	1536	1534	1546	1537	1536	1534
5.0	1175	1144	1171	1202	1243	1281	1233	1207
10.0	616	586	616	613	648	677	647	624
15.0	265	253	267	257	272	291	269	270
20.0	111	102	105	105	113	114	117	115
25.0	35.2	30.5	32.7	30.4	34.1	38.8	35.2	36.2
30.0	11.7	11.4	11.6	11.3	12.0	15.3	12.3	14.9
35.0	6.82	5.74	6.85	5.67	5.52	6.54	5.44	6.70
40.0	3.52	2.79	3.65	2.62	2.57	3.28	2.50	3.34
45.0	1.77	1.26	1.86	1.15	1.15	1.74	1.10	1.77
50.0	1.01	0.56	1.03	0.51	0.50	1.00	0.50	1.00
55.0	0.65	0.23	0.65	0.22	0.25	0.65	0.24	0.65
60.0	0.45	0.10	0.43	0.10	0.11	0.43	0.10	0.45
65.0	0.37	0.07	0.37	0.06	0.04	0.37	0.06	0.34
70.0	0.32	0.05	0.30	0.04	0.06	0.32	0.03	0.32
75.0	0.28	0.03	0.28	0.01	0.05	0.28	0.03	0.28
80.0	0.25	0.03	0.23	0.03	0.04	0.24	0.03	0.25
85.0	0.23	0.01	0.21	0.01	0.01	0.23	0.02	0.23
90.0	0.20	0.00	0.20	0.01	0.03	0.20	0.00	0.17
95.0	0.17	0.01	0.18	0.01	0.03	0.19	0.01	0.18
100.0	0.14	0.01	0.14	0.01	0.03	0.17	0.01	0.17
105.0	0.17	0.02	0.16	0.02	0.03	0.17	0.02	0.17
110.0	0.13	0.02	0.12	0.01	0.04	0.15	0.02	0.14
115.0	0.14	0.02	0.14	0.02	0.03	0.12	0.03	0.14
120.0	0.12	0.03	0.13	0.03	0.05	0.14	0.03	0.14
125.0	0.12	0.03	0.13	0.03	0.04	0.14	0.01	0.12
130.0	0.12	0.04	0.12	0.02	0.06	0.10	0.05	0.13
135.0	0.13	0.06	0.13	0.06	0.08	0.14	0.08	0.14
140.0	0.16	0.08	0.17	0.07	0.14	0.18	0.12	0.17
145.0	0.24	0.20	0.25	0.17	0.23	0.28	0.22	0.28
150.0	0.39	0.41	0.41	0.38	0.48	0.48	0.44	0.50
155.0	0.67	0.70	0.67	0.65	0.76	0.80	0.74	0.82
160.0	0.92	0.97	0.92	0.94	1.04	1.06	1.00	1.08
165.0	1.06	1.08	1.07	1.10	1.19	1.24	1.12	1.23
170.0	1.13	1.10	1.13	1.10	1.22	1.23	1.15	1.21
175.0	1.08	1.00	1.09	1.00	1.17	1.12	1.11	1.10
180.0	1.10	1.02	1.08	1.00	1.08	1.04	1.07	1.03

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: