

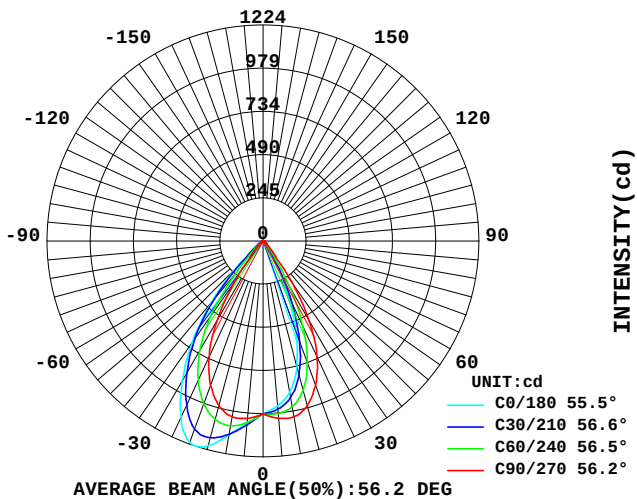
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number :

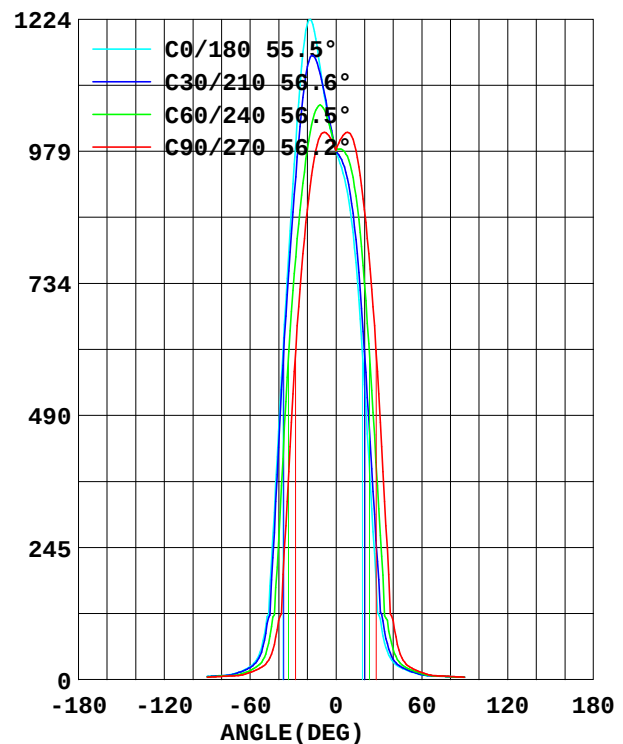
MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-5.7K	DIMENSION:	SERIAL No.:2013051602

DATA OF LAMP		Imax(cd)	1224	S/MH(C0/180)	1.15
MODEL	HCP-8921224-5.7K	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.90
NOMINAL POWER(W)	12	TOTAL FLUX(lm)	1004.1	Voltage(V)	225.8
RATED VOLTAGE(V)	226	EFFICIENCY(lm/W)	85.1	Current(A)	0.058
NOMINAL FLUX(lm)	1004.2	h up(%)	0.0	Power(W)	11.80
LAMPS QUANTITY	1	h down(%)	100.0	Power Factor(PF)	0.893
TEST VOLTAGE(V)	225.8	Effective Flux(lm)	918.5	EEI	0.165

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



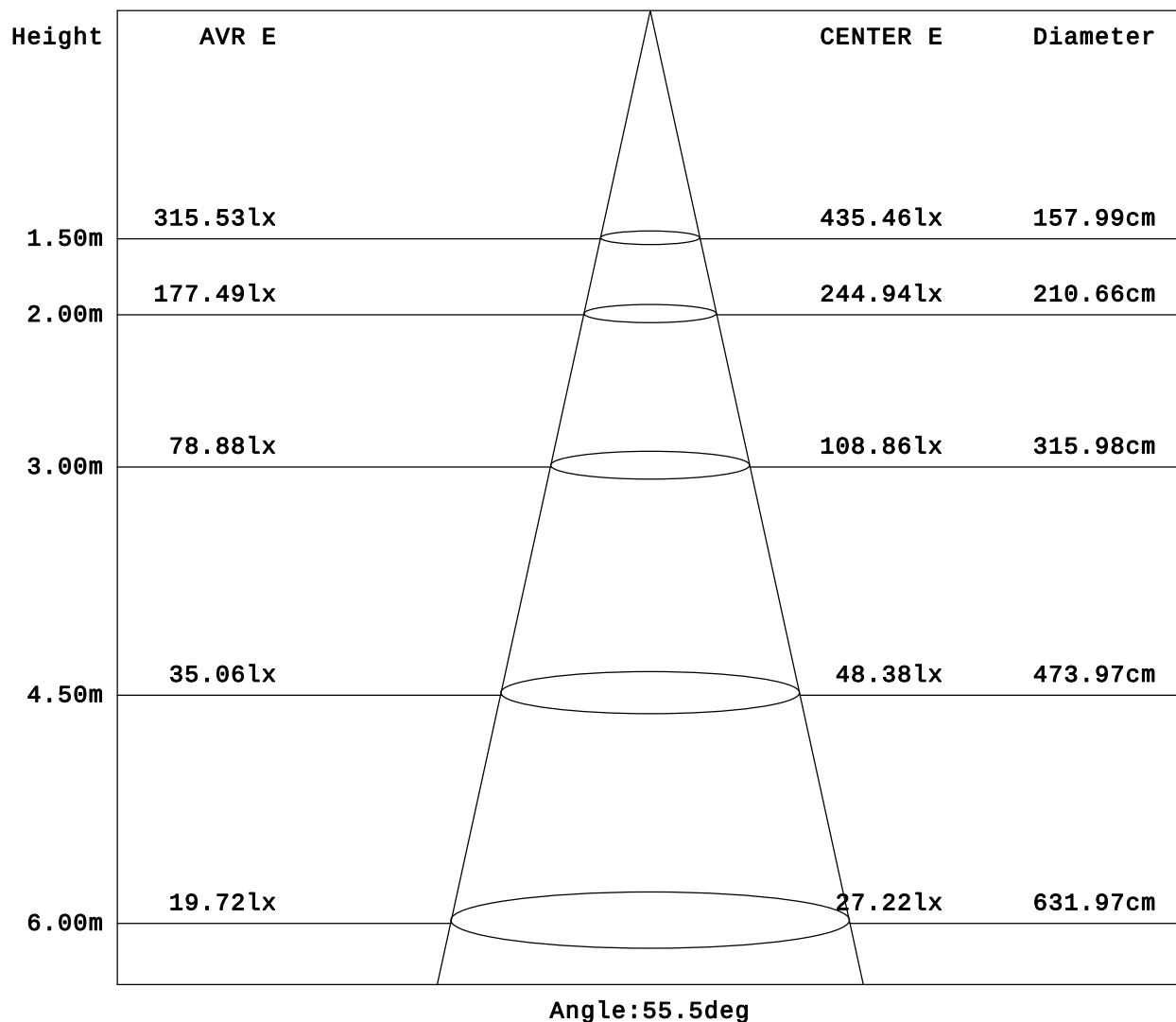
Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-01

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-5.7K	DIMENSION:	SERIAL No.:2013051602



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-01

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

ZONAL FLUX DIAGRAM

Report number :

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-5.7K	DIMENSION:	SERIAL No.:2013051602

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	Total
5.0	1036	1041	1009	965.8	939.0	965.8	1009	1041	0- 5	23.78	23.78
10.0	1117	1089	1012	920.8	869.2	920.8	1012	1089	5- 10	71.98	95.77
15.0	1201	1095	967.6	822.0	742.8	822.0	967.6	1095	10- 15	117.2	213.0
20.0	1215	1046	870.6	653.9	546.7	653.9	870.6	1046	15- 20	151.2	364.3
25.0	1102	935.6	723.5	441.0	316.5	441.0	723.5	935.6	20- 25	165.1	529.4
30.0	918.5	787.1	529.4	258.8	120.1	258.8	529.4	787.1	25- 30	154.4	683.8
35.0	700.8	592.6	285.1	86.46	59.84	86.46	285.1	592.6	30- 35	124.4	808.3
40.0	459.7	334.8	109.6	38.59	33.15	38.59	109.6	334.8	35- 40	85.93	894.2
45.0	219.8	125.6	47.35	22.84	22.72	22.84	47.35	125.6	40- 45	47.60	941.8
50.0	83.96	49.21	26.56	16.19	16.89	16.19	26.56	49.21	45- 50	21.53	963.4
55.0	38.33	25.40	18.56	11.39	12.48	11.39	18.56	25.40	50- 55	11.62	975.0
60.0	23.87	16.70	13.24	7.680	8.896	7.680	13.24	16.70	55- 60	7.650	982.6
65.0	16.38	10.94	8.896	5.568	7.360	5.568	8.896	10.94	60- 65	5.472	988.1
70.0	12.22	7.232	7.168	5.120	6.848	5.120	7.168	7.232	65- 70	4.180	992.3
75.0	8.704	5.568	6.592	4.672	6.144	4.672	6.592	5.568	70- 75	3.448	995.7
80.0	7.424	5.184	5.888	4.032	5.504	4.032	5.888	5.184	75- 80	3.046	998.8
85.0	6.912	4.672	5.120	3.712	5.248	3.712	5.120	4.672	80- 85	2.784	1002
90.0	5.952	4.416	4.480	3.840	5.184	3.840	4.480	4.416	85- 90	2.570	1004
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:cd									UNIT: lm	

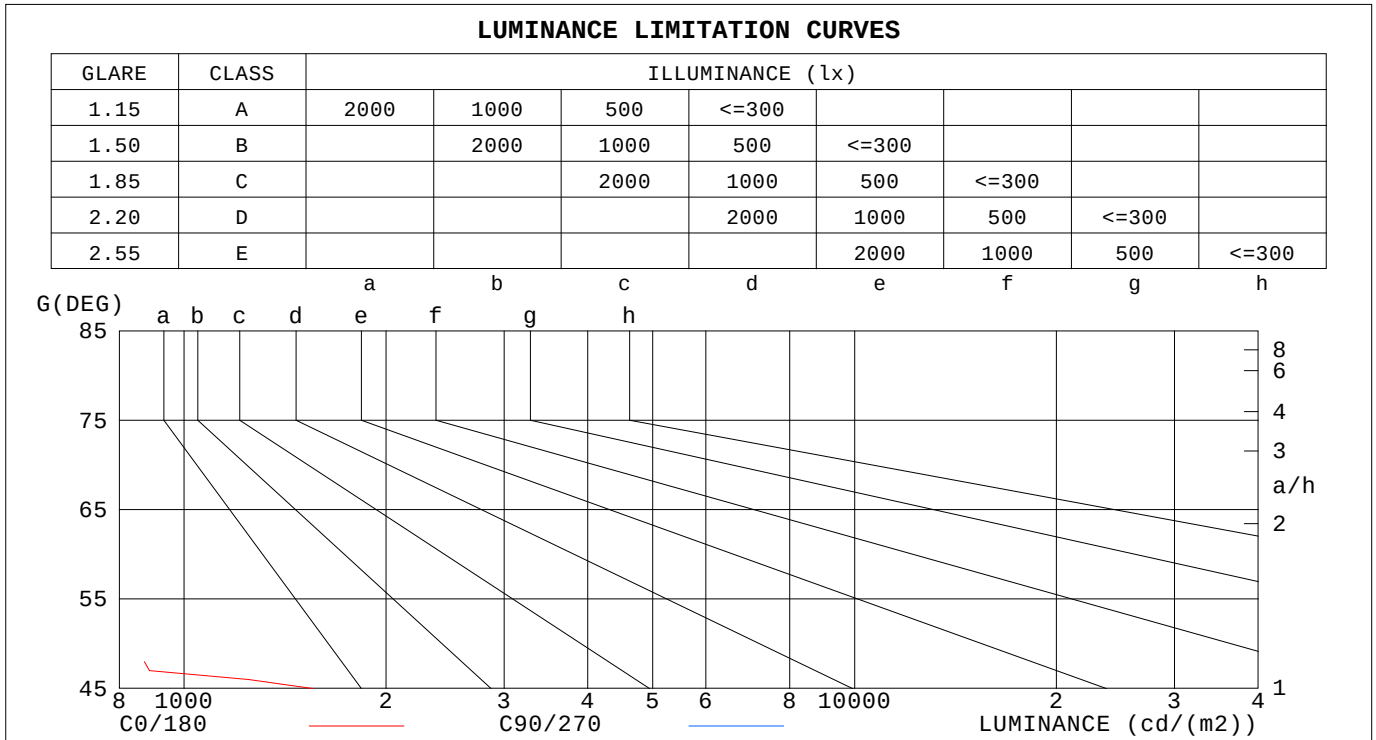
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-01

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

LUMINANCE LIMITATION CURVES

Report number :

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5.7K	TYPE: downlight	WEIGHT: 0.5KG
SPECIFICATION: HCP-8921224-5.7K	DIMENSION:	SERIAL No.: 2013051602



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	397	294
80	214	170
75	168	127
70	179	105
65	194	105
60	239	132
55	334	162
50	653	207
45	1555	335

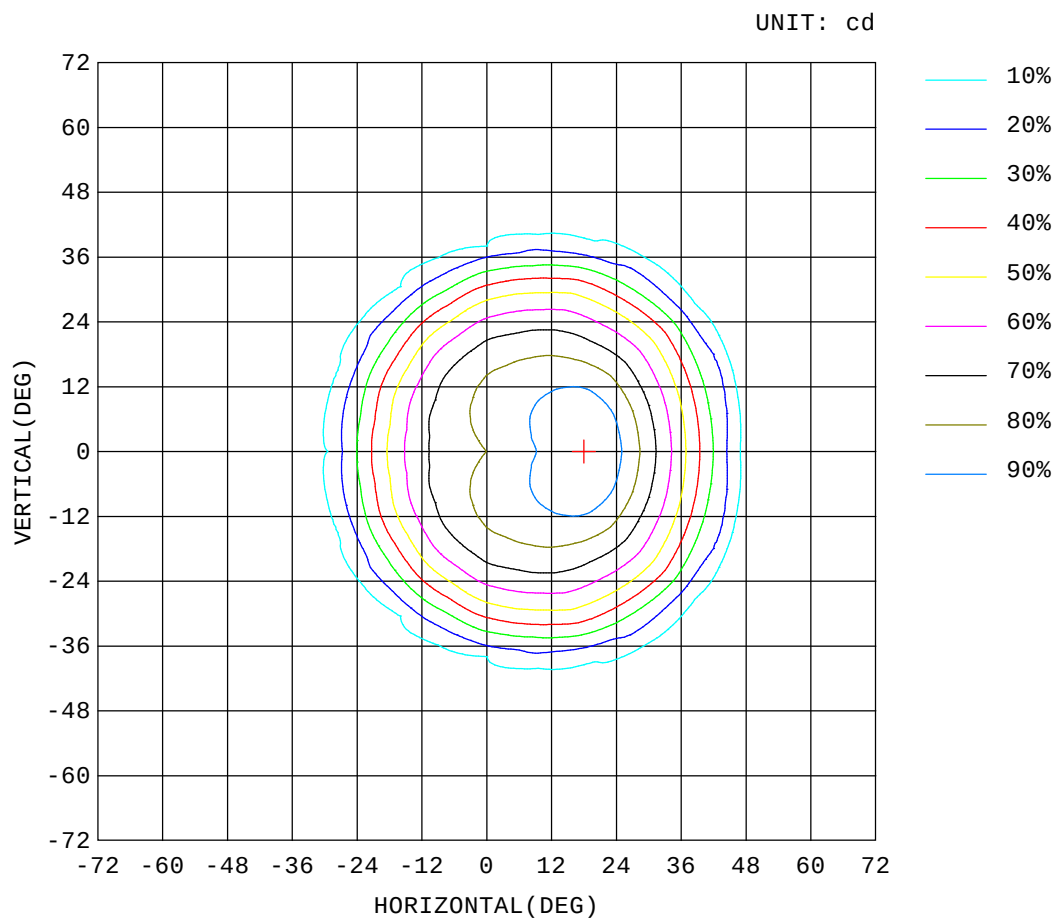
Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-01

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5.7K	TYPE: downlight	WEIGHT: 0.5KG
SPECIFICATION: HCP-8921224-5.7K	DIMENSION:	SERIAL No.: 2013051602



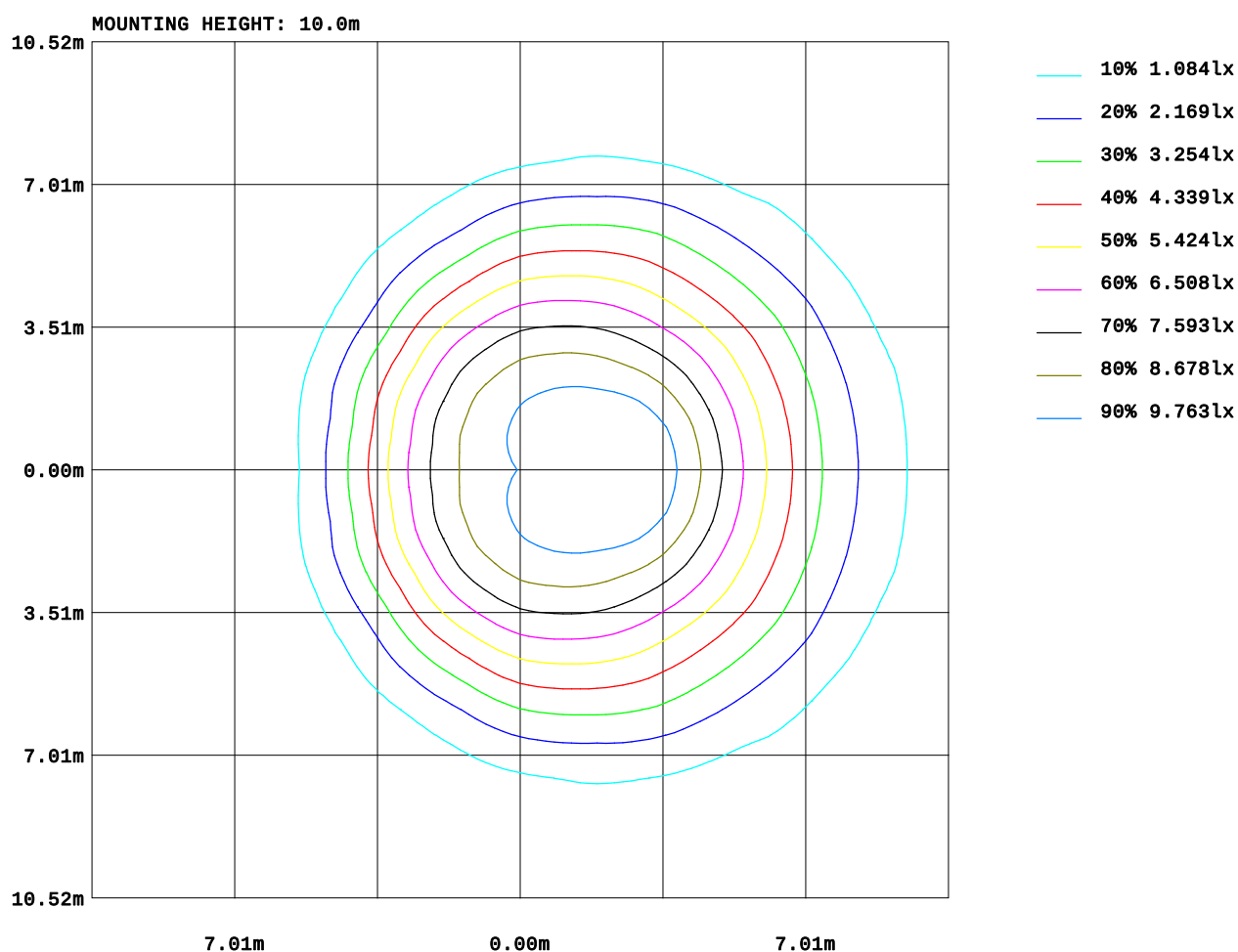
Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-01

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-5.7K	DIMENSION:	SERIAL No.:2013051602



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-01

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

AREA LUMINOUS FLUX

Report number :

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5.7K	TYPE: downlight	WEIGHT: 0.5KG
SPECIFICATION: HCP-8921224-5.7K	DIMENSION:	SERIAL No.: 2013051602

		AREA FLUX DIAGRAM																	UNIT: lm		F t	F a
		0.03	0.05	0.06	0.07	0.09	0.11	0.11	0.11	0.14	0.14	0.12	0.13	0.13	0.11	0.09	0.08	0.07	0.04	1.69	0.00	
VERTICAL (DEG)	72	0.03	0.05	0.06	0.07	0.09	0.11	0.11	0.11	0.14	0.14	0.12	0.13	0.13	0.11	0.09	0.08	0.07	0.04	1.69	0.00	
	64	0.03	0.06	0.07	0.08	0.10	0.14	0.17	0.18	0.23	0.25	0.22	0.23	0.22	0.16	0.13	0.11	0.07	0.04	2.49	0.00	
	56	0.03	0.06	0.08	0.09	0.13	0.22	0.28	0.32	0.41	0.45	0.41	0.43	0.37	0.26	0.20	0.15	0.09	0.05	4.04	0.00	
	48	0.04	0.06	0.09	0.13	0.19	0.31	0.46	0.63	0.99	1.24	1.22	1.13	0.77	0.47	0.32	0.20	0.11	0.05	8.45	0.00	
	40	0.04	0.06	0.10	0.19	0.28	0.46	0.99	2.02	3.85	5.35	5.66	4.55	2.58	1.14	0.53	0.26	0.13	0.06	28.2	21.5	
	32	0.04	0.06	0.12	0.23	0.41	0.86	2.55	6.32	10.2	12.4	12.6	10.8	7.30	3.22	0.99	0.34	0.15	0.07	68.7	64.0	
	24	0.04	0.07	0.13	0.26	0.56	1.72	5.71	11.3	15.4	17.3	17.4	15.6	11.9	6.51	1.91	0.46	0.18	0.08	107	103	
		0.05	0.08	0.15	0.29	0.70	2.80	8.51	14.4	18.2	19.9	20.6	19.4	14.9	8.91	3.08	0.62	0.21	0.09	133	130	
		0.05	0.09	0.17	0.33	0.85	3.44	9.71	15.5	18.6	20.3	21.9	21.6	16.7	10.1	3.72	0.76	0.23	0.10	144	141	
		0.05	0.09	0.17	0.33	0.85	3.44	9.71	15.5	18.6	20.3	21.9	21.6	16.7	10.1	3.72	0.76	0.23	0.10	144	141	
		0.05	0.08	0.15	0.29	0.70	2.80	8.51	14.4	18.2	19.9	20.6	19.4	14.9	8.91	3.08	0.62	0.21	0.09	133	130	
	-24	0.04	0.07	0.13	0.26	0.56	1.72	5.71	11.3	15.4	17.3	17.4	15.6	11.9	6.51	1.91	0.46	0.18	0.08	107	103	
-32	0.04	0.06	0.12	0.23	0.41	0.86	2.55	6.32	10.2	12.4	12.6	10.8	7.30	3.22	0.99	0.34	0.15	0.07	68.7	64.0		
-40	0.04	0.06	0.10	0.19	0.28	0.46	0.99	2.02	3.85	5.35	5.66	4.55	2.58	1.14	0.53	0.26	0.13	0.06	28.2	21.5		
-48	0.04	0.06	0.09	0.13	0.19	0.31	0.46	0.63	0.99	1.24	1.22	1.13	0.77	0.47	0.32	0.20	0.11	0.05	8.45	0.00		
-56	0.03	0.06	0.08	0.09	0.13	0.22	0.28	0.32	0.41	0.45	0.41	0.43	0.37	0.26	0.20	0.15	0.09	0.05	4.04	0.00		
-64	0.03	0.06	0.07	0.08	0.10	0.14	0.17	0.18	0.23	0.25	0.22	0.23	0.22	0.16	0.13	0.11	0.07	0.04	2.49	0.00		
-72	0.03	0.05	0.06	0.07	0.09	0.11	0.11	0.11	0.14	0.14	0.12	0.13	0.13	0.11	0.09	0.08	0.07	0.04	1.69	0.00		
		-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)				16	24	32	40	48	56	64	72	
F t	0.72	1.13	1.95	3.33	6.62	20.1	57.0	102	136	155	161	148	110	61.8	21.9	5.95	2.48	1.18	1004			
F a	0.00	0.00	0.00	0.00	0.00	11.4	50.9	97.0	132	151	157	144	106	56.8	15.0	0.00	0.00	0.00		919		

Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-01

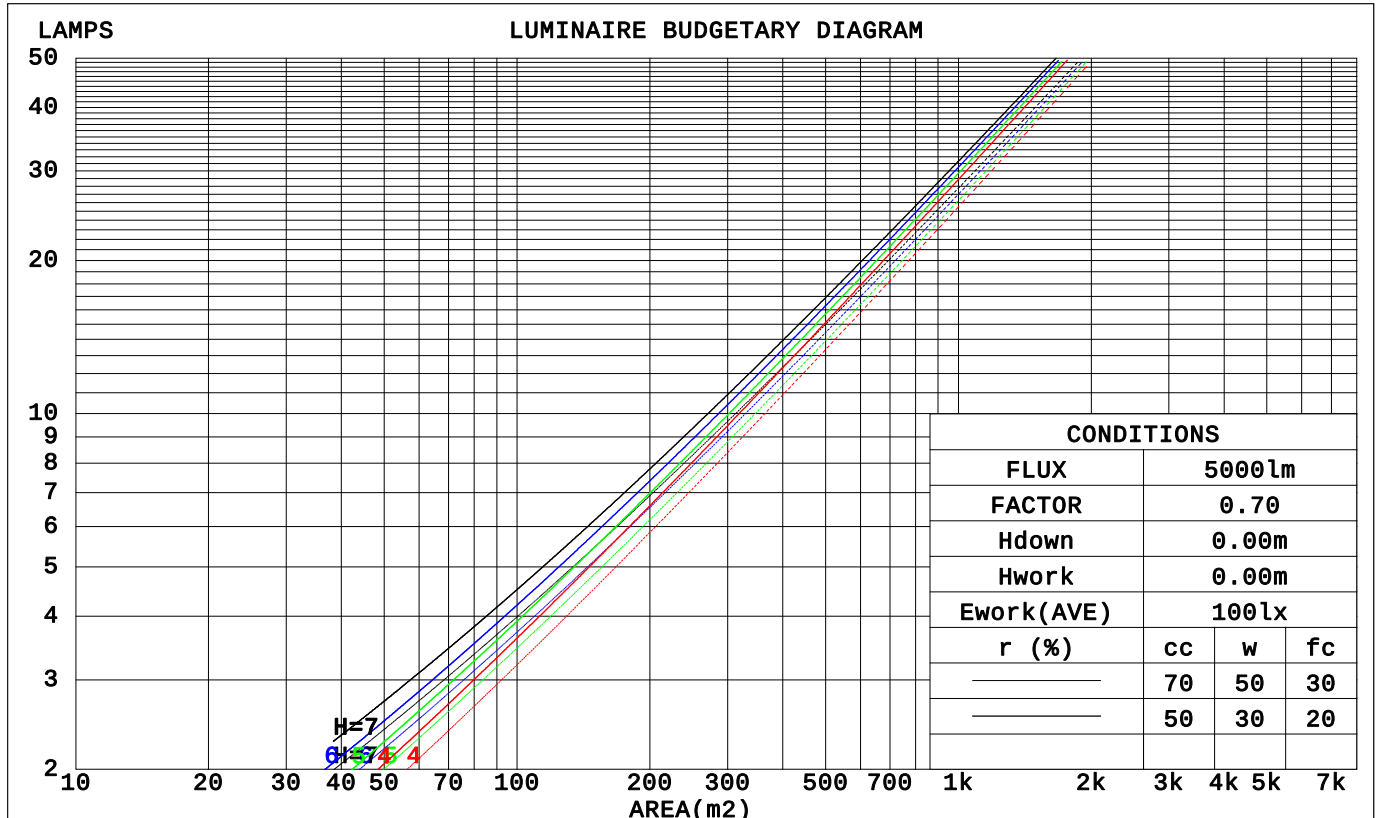
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number :

MANUFACTURER: Havit Commercial	Address:		
NAME: HCP-8921224-5.7K	TYPE:downlight	WEIGHT:0.5KG	
SPECIFICATION:HCP-8921224-5.7K	DIMENSION:	SERIAL No.:2013051602	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rhc	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	1.02	1.02	1.02	.00
1.0	1.10	1.07	1.05	1.08	1.06	1.03	1.04	1.02	1.00	1.00	.99	.97	.97	.95	.94	.93
2.0	1.02	.98	.94	1.00	.96	.93	.97	.94	.91	.94	.91	.89	.91	.89	.87	.86
3.0	.95	.90	.85	.93	.89	.85	.91	.87	.83	.88	.85	.82	.86	.83	.81	.79
4.0	.88	.82	.78	.87	.82	.78	.85	.80	.77	.83	.79	.76	.81	.78	.75	.73
5.0	.82	.76	.72	.81	.76	.72	.80	.75	.71	.78	.74	.70	.76	.73	.70	.68
6.0	.77	.71	.66	.76	.70	.66	.75	.70	.66	.73	.69	.65	.72	.68	.65	.63
7.0	.72	.66	.62	.72	.66	.62	.70	.65	.61	.69	.64	.61	.68	.64	.61	.59
8.0	.68	.62	.58	.67	.62	.57	.66	.61	.57	.65	.60	.57	.64	.60	.57	.55
9.0	.64	.58	.54	.64	.58	.54	.63	.57	.54	.62	.57	.53	.61	.56	.53	.52
10.0	.61	.55	.51	.60	.54	.51	.59	.54	.50	.58	.54	.50	.58	.53	.50	.49



Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-01

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

WEC AND CCEC

Report number :

MANUFACTURER: Havit Commercial	Address:					
NAME: HCP-8921224-5.7K	TYPE:downlight			WEIGHT:0.5KG		
SPECIFICATION:HCP-8921224-5.7K	DIMENSION:			SERIAL No.:2013051602		

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.191	.109	.034	.184	.105	.033	.172	.098	.031	.160	.092	.030	.149	.086	.028	
2.0	.181	.099	.030	.175	.097	.030	.165	.092	.028	.155	.087	.027	.146	.082	.026	
3.0	.171	.091	.027	.167	.089	.027	.157	.085	.026	.149	.082	.025	.141	.078	.024	
4.0	.163	.085	.025	.158	.083	.025	.151	.080	.024	.143	.077	.023	.136	.074	.023	
5.0	.155	.079	.023	.151	.077	.023	.144	.075	.022	.137	.073	.022	.131	.070	.021	
6.0	.147	.074	.021	.144	.073	.021	.138	.071	.021	.132	.069	.020	.127	.067	.020	
7.0	.140	.069	.020	.137	.068	.020	.132	.067	.019	.127	.065	.019	.122	.063	.019	
8.0	.134	.065	.018	.131	.065	.018	.127	.063	.018	.122	.062	.018	.118	.060	.018	
9.0	.128	.062	.017	.126	.061	.017	.122	.060	.017	.117	.059	.017	.114	.058	.017	
10.0	.123	.059	.016	.121	.058	.016	.117	.057	.016	.113	.056	.016	.110	.055	.016	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.172	.157	.144	.147	.135	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.157	.132	.111	.135	.114	.096	.092	.079	.067	.053	.046	.039	.017	.015	.013	
3.0	.146	.114	.088	.125	.098	.076	.086	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.136	.099	.071	.116	.086	.062	.080	.060	.044	.046	.035	.026	.015	.011	.008	
5.0	.127	.088	.058	.109	.076	.051	.075	.053	.036	.044	.031	.021	.014	.010	.007	
6.0	.120	.078	.049	.103	.068	.042	.071	.048	.030	.041	.028	.018	.013	.009	.006	
7.0	.113	.071	.041	.097	.061	.036	.067	.043	.025	.039	.025	.015	.013	.008	.005	
8.0	.108	.065	.035	.093	.056	.031	.064	.039	.022	.037	.023	.013	.012	.008	.004	
9.0	.103	.060	.031	.088	.052	.027	.061	.036	.019	.036	.021	.011	.012	.007	.004	
10.0	.098	.055	.027	.084	.048	.023	.059	.034	.017	.034	.020	.010	.011	.007	.003	

Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-01

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

IES Flood Report

Photometric Filename:HCP-8921224-5.7K.IES



Uncorrected UGR Table

Report number:

MANUFACTURER: Havit Commercial	Address:			
NAME: HCP-8921224-5.7K	TYPE:downlight		WEIGHT:0.5KG	
SPECIFICATION:HCP-8921224-5.7K	DIMENSION:		SERIAL No.:2013051602	

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	11.8	12.8	12.0	12.9	13.1	8.2	9.2	8.4	9.4	9.5
3H	11.6	12.6	11.9	12.8	13.0	8.1	9.0	8.3	9.2	9.4
4H	11.6	12.4	11.9	12.7	12.9	8.0	8.9	8.3	9.1	9.4
6H	11.5	12.4	11.8	12.6	12.8	8.0	8.9	8.3	9.1	9.3
8H	11.5	12.3	11.9	12.6	12.8	8.1	8.9	8.4	9.1	9.4
12H	11.6	12.3	11.9	12.6	12.9	8.1	8.9	8.5	9.2	9.4
4H 2H	11.5	12.4	11.8	12.6	12.8	8.0	8.9	8.3	9.1	9.3
3H	11.4	12.2	11.7	12.4	12.7	7.9	8.7	8.2	8.9	9.2
4H	11.4	12.1	11.7	12.4	12.7	7.9	8.6	8.3	8.9	9.2
6H	11.4	12.0	11.7	12.3	12.6	8.0	8.6	8.4	8.9	9.3
8H	11.4	11.9	11.8	12.3	12.7	8.0	8.6	8.4	9.0	9.3
12H	11.5	12.0	11.9	12.3	12.7	8.2	8.7	8.6	9.1	9.4
8H 4H	11.3	11.8	11.7	12.2	12.5	7.9	8.4	8.3	8.8	9.1
6H	11.3	11.7	11.7	12.1	12.6	8.0	8.5	8.4	8.9	9.3
8H	11.3	11.8	11.8	12.2	12.6	8.1	8.5	8.6	9.0	9.4
12H	11.5	11.8	11.9	12.3	12.7	8.4	8.7	8.8	9.2	9.6
12H 4H	11.2	11.7	11.6	12.1	12.5	7.8	8.3	8.2	8.7	9.1
6H	11.3	11.7	11.7	12.1	12.5	8.0	8.4	8.5	8.8	9.3
8H	11.3	11.7	11.8	12.1	12.6	8.2	8.5	8.7	9.0	9.5
Variations with the observer position at spacings:										
S = 1.0H	+ 2.6 / - 6.4					+ 2.4 / - 3.5				
1.5H	+ 4.6 / - 6.2					+ 4.2 / - 3.2				
2.0H	+ 6.1 / - 3.2					+ 1.3 / - 0.7				

CIE Pub.117 Corrected 1004 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.0)

Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-01

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

UTILIZATION FACTORS TABLE

Report number :

MANUFACTURER: Havit Commercial	Address:		
NAME: HCP-8921224-5.7K	TYPE:downlight	WEIGHT:0.5KG	
SPECIFICATION:HCP-8921224-5.7K	DIMENSION:	SERIAL No.:2013051602	

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) $k(RI) \times RCR = 5$									
$k = 0.60$	85	78	74	84	78	74	83	77	74	70
0.80	92	86	82	92	86	82	91	85	82	78
1.00	97	91	87	96	91	87	95	91	87	82
1.25	102	96	92	101	95	92	99	94	91	87
1.50	104	99	96	103	99	95	101	97	94	89
2.00	107	103	100	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	105	102	99	93
3.00	111	107	104	109	106	103	106	103	101	94
4.00	113	110	108	111	108	106	107	105	104	96
5.00	114	112	110	112	110	108	108	107	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNM = 1.25		

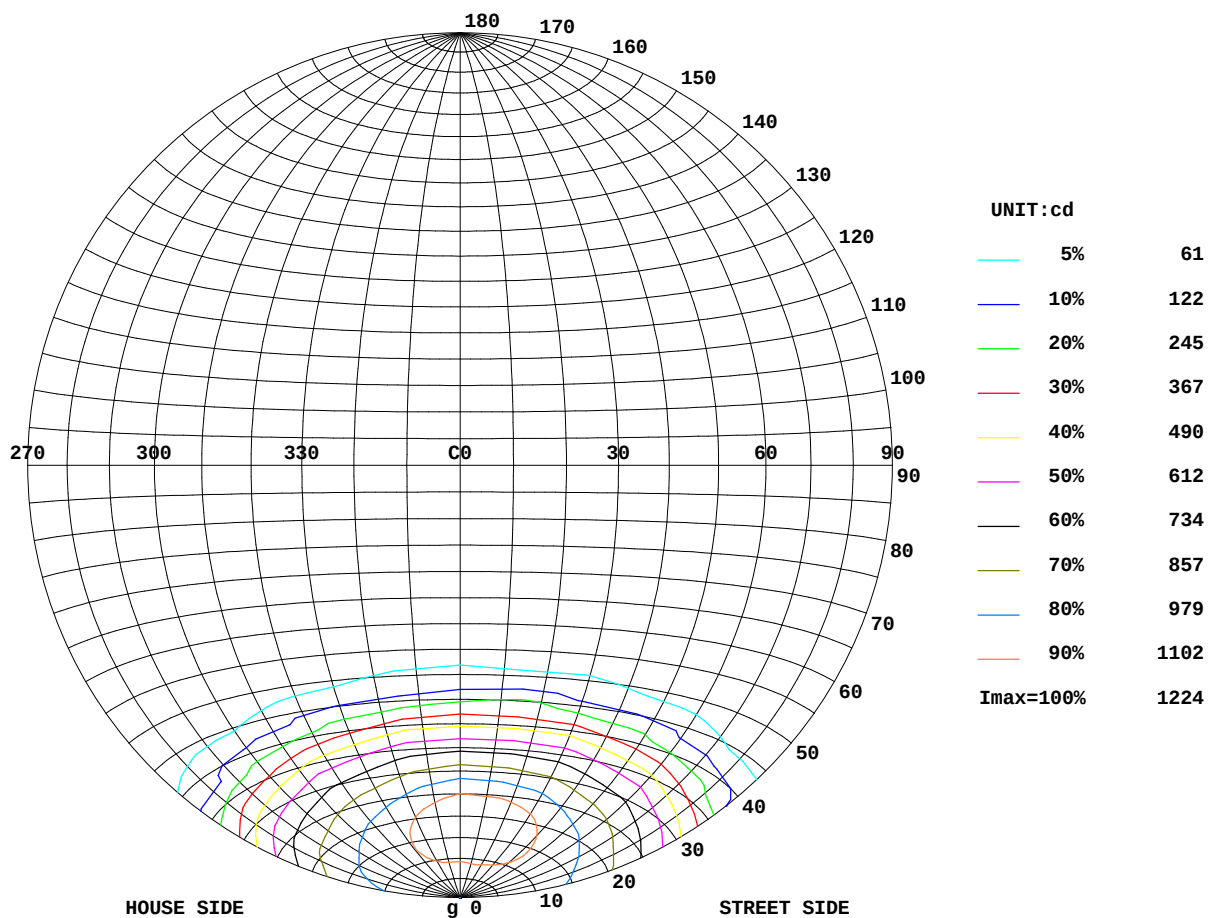
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-01

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-5.7K	DIMENSION:	SERIAL No.:2013051602



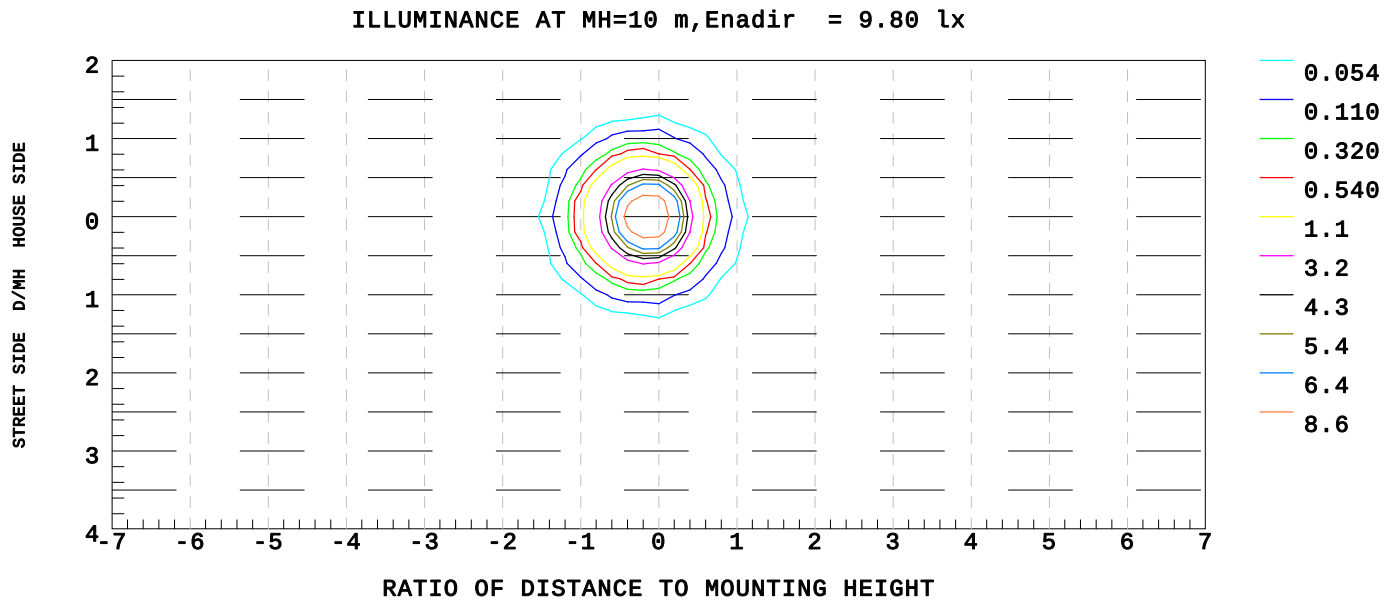
Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-01

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

ISOLUX DIAGRAM

Report number :

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-5.7K	DIMENSION:	SERIAL No.:2013051602



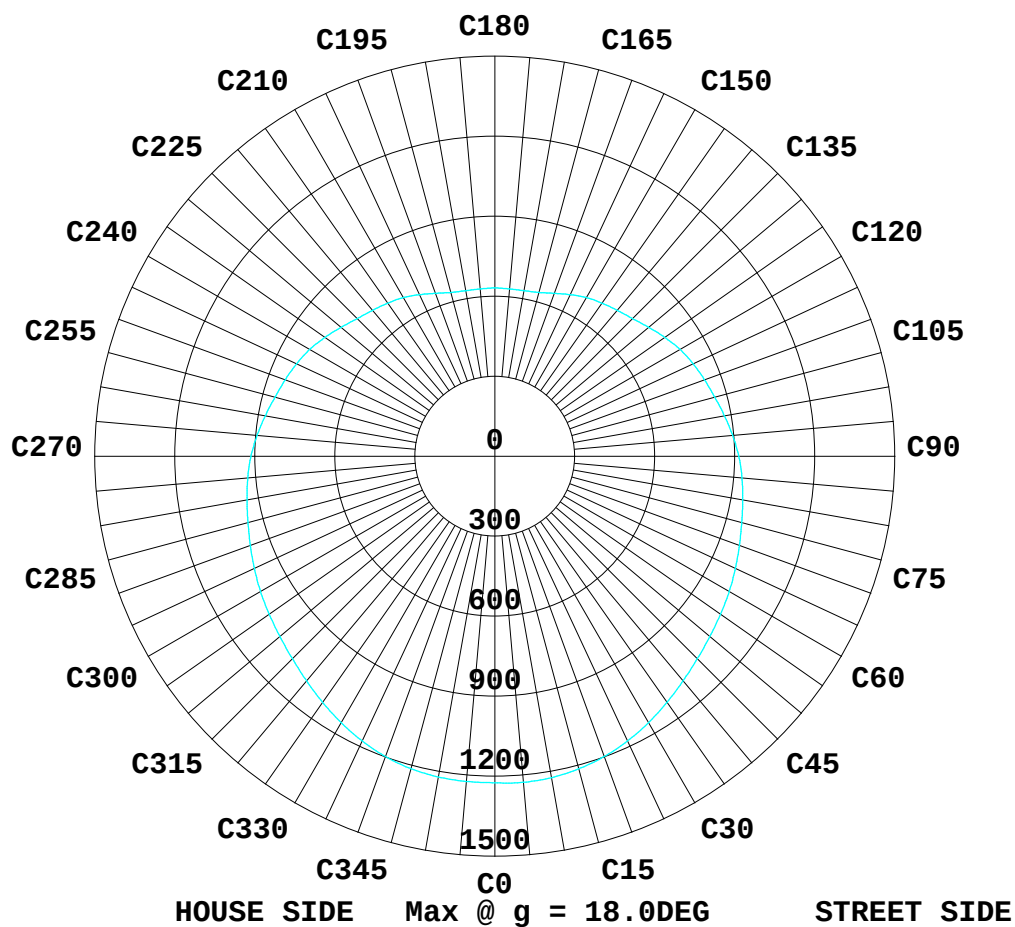
Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-01

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number :

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-5.7K	DIMENSION:	SERIAL No.:2013051602



Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-01

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number :

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-5.7K	DIMENSION:	SERIAL No.:2013051602

UNIT: cd

C(DEG) g (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	980	980	979	980	980	980	981	980	980	980	980	980	981	980	980
5.0	1036	1045	1045	1041	1031	1020	1009	993	981	966	957	944	939	944	957
10.0	1117	1126	1112	1089	1063	1036	1012	979	954	921	900	875	869	875	900
15.0	1201	1197	1154	1095	1049	1003	968	918	878	822	789	747	743	747	789
20.0	1215	1200	1136	1046	982	918	871	798	736	654	608	551	547	551	608
25.0	1102	1082	1025	936	870	789	724	618	536	441	391	327	317	327	391
30.0	919	903	867	787	721	618	529	401	317	259	185	142	120	142	185
35.0	701	696	674	593	515	382	285	181	114	86.4	76.4	58.6	59.8	58.6	76.4
40.0	460	453	430	335	253	153	110	68.6	56.3	38.5	37.8	29.8	33.1	29.8	37.8
45.0	220	269	185	126	97.9	54.4	47.3	32.3	30.4	22.8	24.5	19.7	22.7	19.7	24.5
50.0	83.9	74.6	72.5	49.2	41.2	26.3	26.5	19.7	21.1	16.1	17.9	14.1	16.8	14.1	17.9
55.0	38.3	32.8	34.6	25.4	24.4	17.3	18.5	14.1	15.4	11.3	13.0	10.0	12.4	10.0	13.0
60.0	23.8	19.9	22.5	16.7	16.8	11.7	13.2	9.85	11.2	7.68	9.21	6.78	8.89	6.78	9.21
65.0	16.3	13.3	15.5	10.9	11.8	7.29	8.89	6.20	8.00	5.56	7.36	5.56	7.36	5.56	7.36
70.0	12.2	9.34	11.1	7.23	8.25	5.44	7.16	5.24	6.84	5.12	6.78	5.18	6.84	5.18	6.78
75.0	8.70	6.52	8.19	5.56	7.10	5.12	6.59	4.80	6.20	4.67	6.08	4.73	6.14	4.73	6.08
80.0	7.42	5.56	7.04	5.18	6.52	4.67	5.88	4.28	5.44	4.03	5.24	4.16	5.50	4.16	5.24
85.0	6.91	5.24	6.46	4.67	5.69	4.09	5.12	3.77	4.86	3.71	4.86	4.03	5.24	4.03	4.86
90.0	5.95	4.92	5.56	4.41	4.92	3.90	4.48	3.64	4.41	3.84	4.67	4.22	5.18	4.22	4.67

Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-01

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

IES Flood Report

Photometric Filename:HCP-8921224-5.7K.IES



LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-5.7K	DIMENSION:	SERIAL No.:2013051602

UNIT: cd

C(DEG) g (DEG)	225	240	255	270	285	300	315	330	345
0.0	980	980	980	981	980	980	980	979	980
5.0	966	981	993	1009	1020	1031	1041	1045	1045
10.0	921	954	979	1012	1036	1063	1089	1112	1126
15.0	822	878	918	968	1003	1049	1095	1154	1197
20.0	654	736	798	871	918	982	1046	1136	1200
25.0	441	536	618	724	789	870	936	1025	1082
30.0	259	317	401	529	618	721	787	867	903
35.0	86.4	114	181	285	382	515	593	674	696
40.0	38.5	56.3	68.6	110	153	253	335	430	453
45.0	22.8	30.4	32.3	47.3	54.4	97.9	126	185	269
50.0	16.1	21.1	19.7	26.5	26.3	41.2	49.2	72.5	74.6
55.0	11.3	15.4	14.1	18.5	17.3	24.4	25.4	34.6	32.8
60.0	7.68	11.2	9.85	13.2	11.7	16.8	16.7	22.5	19.9
65.0	5.56	8.00	6.20	8.89	7.29	11.8	10.9	15.5	13.3
70.0	5.12	6.84	5.24	7.16	5.44	8.25	7.23	11.1	9.34
75.0	4.67	6.20	4.80	6.59	5.12	7.10	5.56	8.19	6.52
80.0	4.03	5.44	4.28	5.88	4.67	6.52	5.18	7.04	5.56
85.0	3.71	4.86	3.77	5.12	4.09	5.69	4.67	6.46	5.24
90.0	3.84	4.41	3.64	4.48	3.90	4.92	4.41	5.56	4.92

Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-01

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: