

IES Flood Report

Photometric Filename:HCP-8921224-2.7K.IES

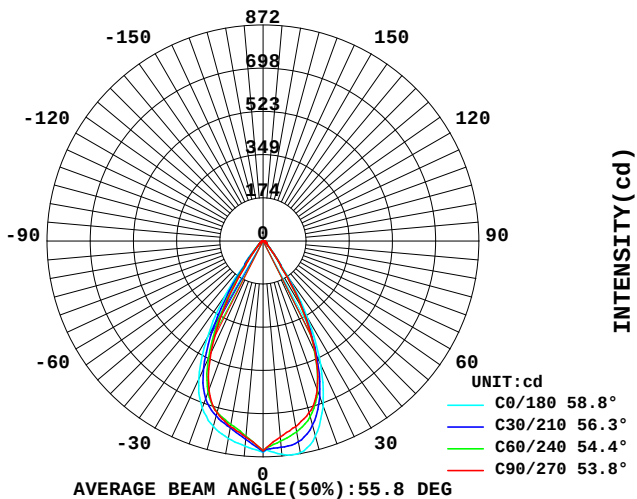
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number :

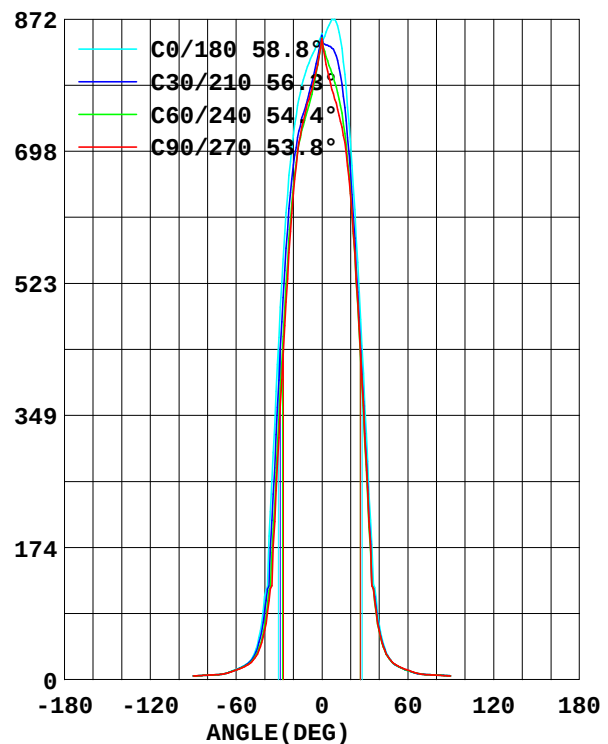
MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-2.7K	DIMENSION:	SERIAL No.:2013051602

DATA OF LAMP		Imax(cd)	872.0	S/MH(C0/180)	0.90
MODEL	HCP-8921224-2.7K	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.81
NOMINAL POWER(W)	12	TOTAL FLUX(lm)	688.15	Voltage(V)	229.3
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	58.9	Current(A)	0.057
NOMINAL FLUX(lm)	688.2	h up(%)	0.0	Power(W)	11.68
LAMPS QUANTITY	1	h down(%)	100.0	Power Factor(PF)	0.893
TEST VOLTAGE(V)	229.4	Effective Flux(lm)	618.8	EEI	0.224

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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

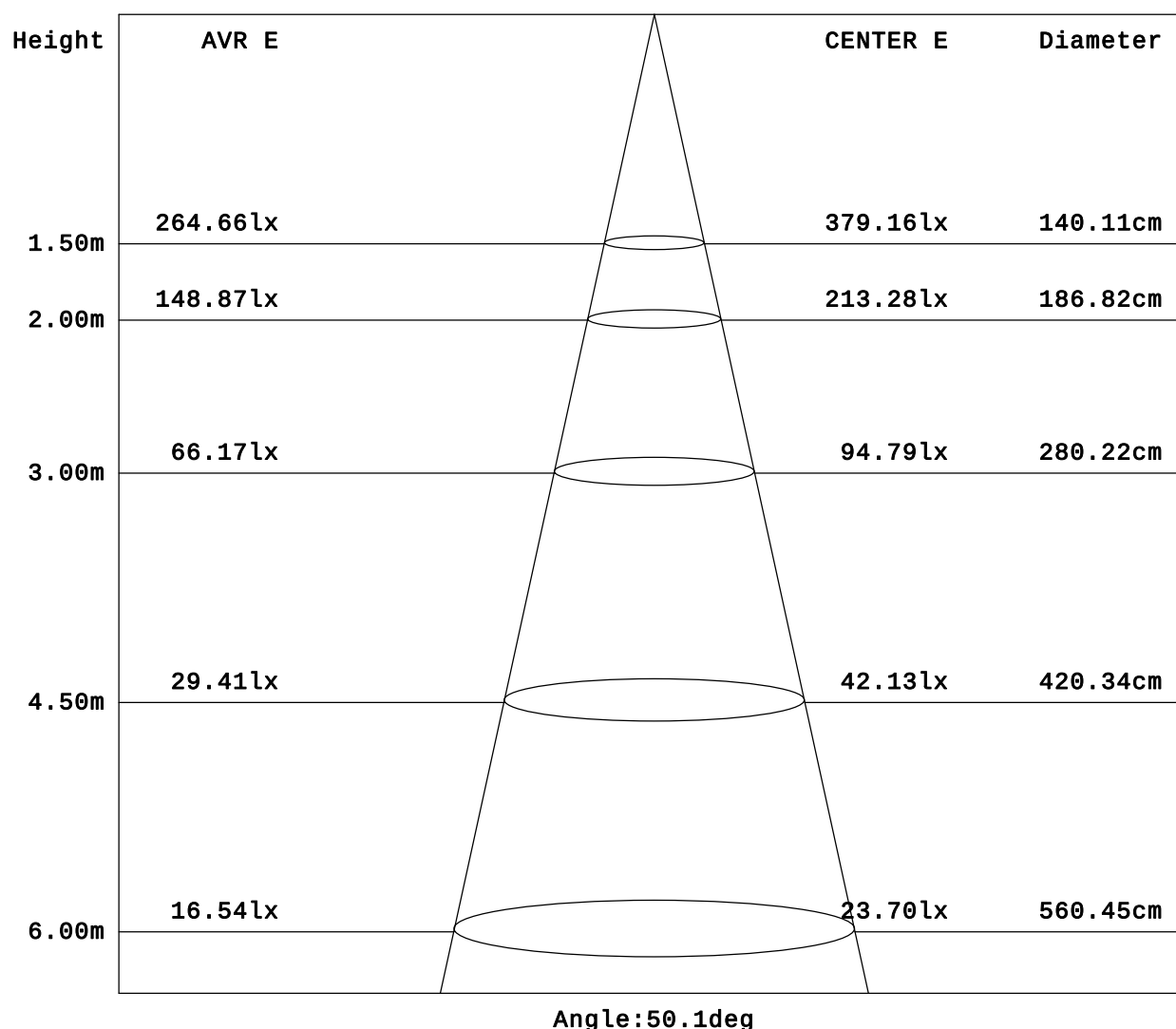
IES Flood Report

Photometric Filename:HCP-8921224-2.7K.IES

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-2.7K	DIMENSION:	SERIAL No.:2013051602



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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

IES Flood Report

Photometric Filename:HCP-8921224-2.7K.IES

ZONAL FLUX DIAGRAM

Report number :

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-2.7K	DIMENSION:	SERIAL No.:2013051602

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	Total
5.0	831.4	791.8	795.9	820.1	863.8	820.1	795.9	791.8	0- 5	19.67	19.67
10.0	809.7	751.8	761.5	797.3	868.2	797.3	761.5	751.8	5- 10	57.02	76.69
15.0	775.1	715.1	718.2	742.3	815.7	742.3	718.2	715.1	10- 15	90.52	167.2
20.0	718.7	651.5	641.7	639.8	710.3	639.8	641.7	651.5	15- 20	115.7	282.9
25.0	616.3	528.0	498.6	484.0	550.9	484.0	498.6	528.0	20- 25	124.2	407.2
30.0	451.6	348.4	319.3	299.2	361.2	299.2	319.3	348.4	25- 30	109.2	516.5
35.0	263.8	168.7	123.9	133.5	178.4	133.5	123.9	168.7	30- 35	73.93	590.4
40.0	109.9	70.27	64.76	57.66	73.40	57.66	64.76	70.27	35- 40	35.93	626.3
45.0	46.27	32.51	33.59	28.73	35.64	28.73	33.59	32.51	40- 45	18.16	644.5
50.0	25.28	19.26	21.88	17.66	21.82	17.66	21.88	19.26	45- 50	10.57	655.1
55.0	17.85	14.01	16.38	12.99	15.87	12.99	16.38	14.01	50- 55	7.598	662.7
60.0	13.12	10.04	12.41	9.408	11.71	9.408	12.41	10.04	55- 60	5.991	668.7
65.0	9.664	7.232	9.280	6.848	8.639	6.848	9.280	7.232	60- 65	4.677	673.3
70.0	7.104	5.248	7.104	5.312	6.976	5.312	7.104	5.248	65- 70	3.565	676.9
75.0	6.336	4.736	6.400	4.992	6.464	4.992	6.400	4.736	70- 75	3.051	680.0
80.0	5.888	4.480	5.888	4.672	6.080	4.672	5.888	4.480	75- 80	2.921	682.9
85.0	5.312	4.032	5.312	4.288	5.504	4.288	5.312	4.032	80- 85	2.723	685.6
90.0	4.736	3.904	4.736	4.160	4.992	4.160	4.736	3.904	85- 90	2.501	688.1
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:2022-12-02

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

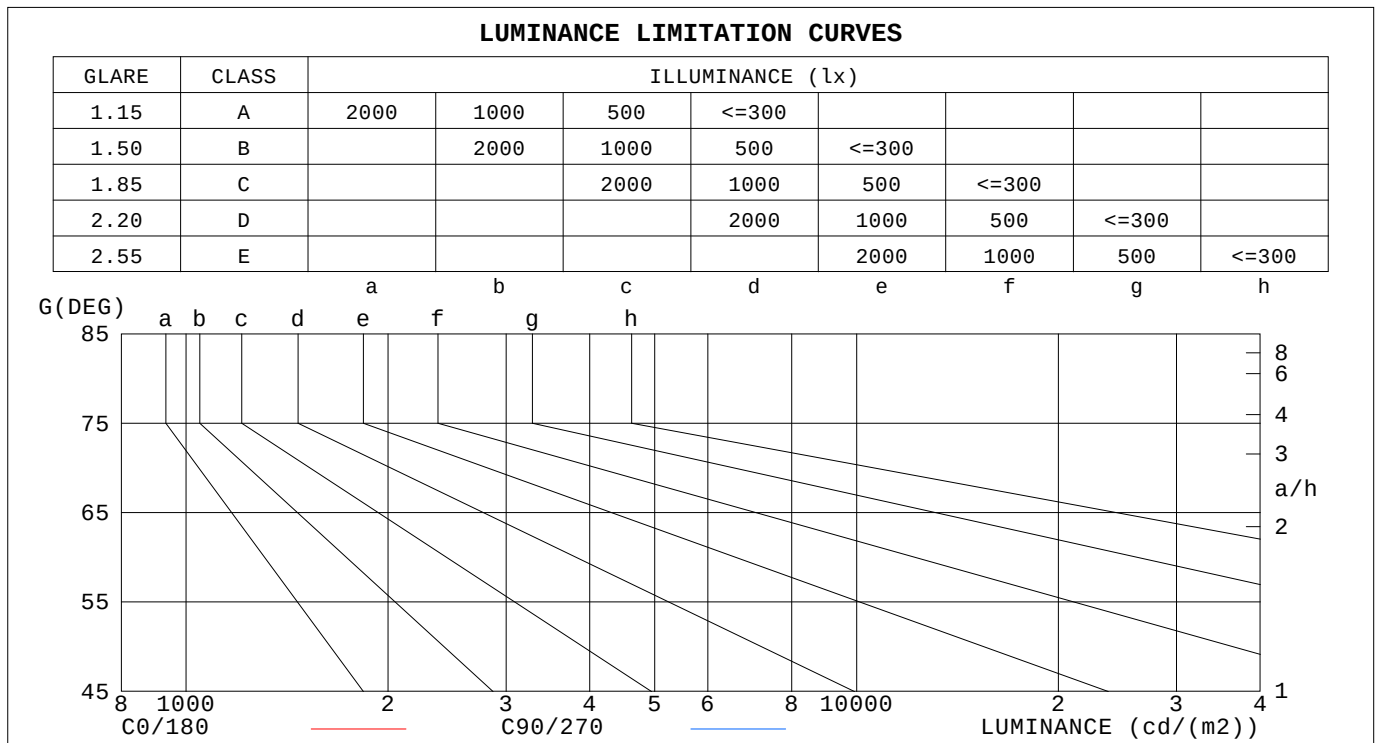
IES Flood Report

Photometric Filename:HCP-8921224-2.7K.IES

LUMINANCE LIMITATION CURVES

Report number :

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-2.7K	DIMENSION:	SERIAL No.:2013051602



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	305	305
80	170	170
75	122	124
70	104	104
65	114	110
60	131	124
55	156	8/133
50	197	170
45	327	238

Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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

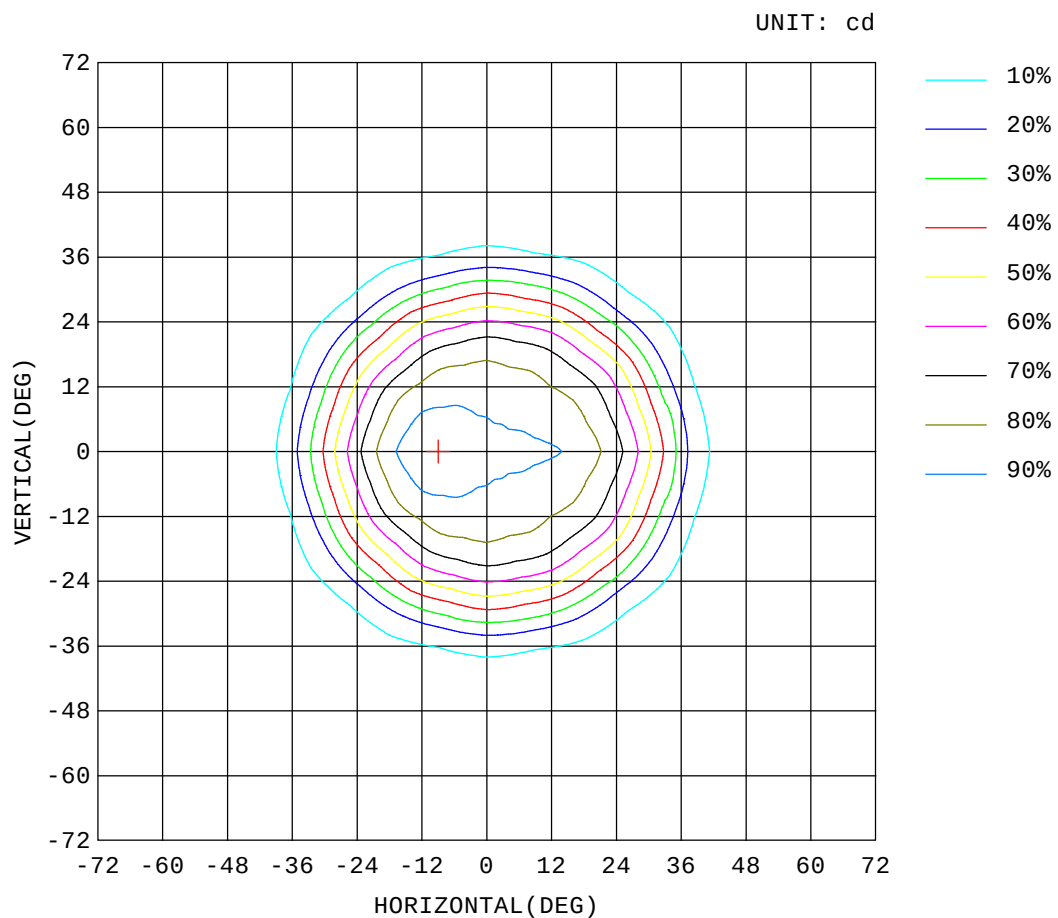
IES Flood Report

Photometric Filename:HCP-8921224-2.7K.IES

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-2.7K	DIMENSION:	SERIAL No.:2013051602



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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

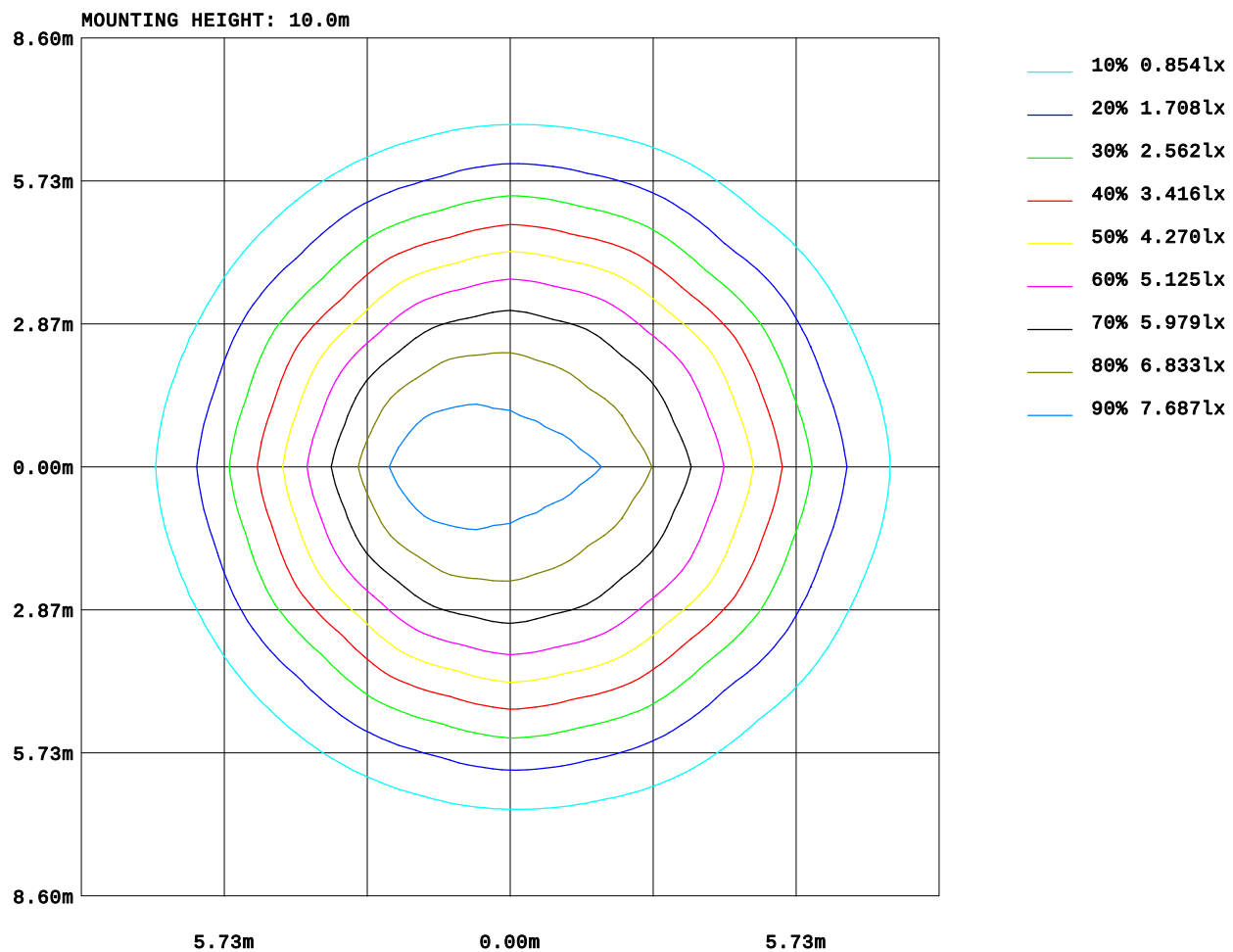
IES Flood Report

Photometric Filename:HCP-8921224-2.7K.IES

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-2.7K	DIMENSION:	SERIAL No.:2013051602



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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

IES Flood Report

Photometric Filename:HCP-8921224-2.7K.IES

AREA LUMINOUS FLUX

Report number :

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-2.7K	DIMENSION:	SERIAL No.:2013051602

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		F t	F a
	0.04	0.06	0.07	0.07	0.09	0.12	0.12	0.12	0.14	0.14	0.12	0.12	0.12	0.09	0.07	0.07	0.06	0.04	1.64	0.00
72	0.04	0.06	0.08	0.08	0.11	0.16	0.18	0.19	0.23	0.23	0.19	0.19	0.17	0.12	0.08	0.07	0.06	0.04	2.27	0.00
64	0.04	0.06	0.09	0.12	0.16	0.23	0.28	0.30	0.36	0.36	0.31	0.29	0.25	0.17	0.12	0.09	0.06	0.04	3.31	0.00
56	0.04	0.06	0.11	0.17	0.22	0.33	0.48	0.58	0.72	0.74	0.61	0.51	0.36	0.24	0.18	0.12	0.06	0.04	5.55	0.00
48	0.04	0.07	0.13	0.22	0.34	0.58	1.12	1.72	2.35	2.44	1.90	1.26	0.66	0.37	0.25	0.14	0.07	0.04	13.7	6.99
40	0.04	0.07	0.15	0.28	0.59	1.33	3.22	5.66	7.19	7.36	6.15	3.82	1.68	0.72	0.32	0.16	0.08	0.04	38.9	35.0
32	0.05	0.09	0.16	0.35	1.02	3.17	6.93	10.3	11.9	12.0	10.7	7.82	4.15	1.35	0.42	0.18	0.10	0.05	70.9	68.1
24	0.05	0.10	0.19	0.45	1.59	5.46	10.3	13.4	14.4	14.2	13.2	11.0	6.72	2.36	0.58	0.22	0.11	0.05	94.6	92.2
16	0.05	0.11	0.22	0.58	2.27	7.05	12.2	15.4	15.9	15.3	14.4	12.5	8.40	3.29	0.78	0.26	0.13	0.06	109	107
8	0.05	0.11	0.22	0.58	2.27	7.05	12.2	15.4	15.9	15.3	14.4	12.5	8.40	3.29	0.78	0.26	0.13	0.06	109	107
0	0.05	0.10	0.19	0.45	1.59	5.46	10.3	13.4	14.4	14.2	13.2	11.0	6.72	2.36	0.58	0.22	0.11	0.05	94.6	92.2
-8	0.05	0.09	0.16	0.35	1.02	3.17	6.93	10.3	11.9	12.0	10.7	7.82	4.15	1.35	0.42	0.18	0.10	0.05	70.9	68.1
-16	0.04	0.07	0.15	0.28	0.59	1.33	3.22	5.66	7.19	7.36	6.15	3.82	1.68	0.72	0.32	0.16	0.08	0.04	38.9	35.0
-24	0.04	0.07	0.13	0.22	0.34	0.58	1.12	1.72	2.35	2.44	1.90	1.26	0.66	0.37	0.25	0.14	0.07	0.04	13.7	6.99
-32	0.04	0.06	0.11	0.17	0.22	0.33	0.48	0.58	0.72	0.74	0.61	0.51	0.36	0.24	0.18	0.12	0.06	0.04	5.55	0.00
-40	0.04	0.06	0.09	0.12	0.16	0.23	0.28	0.30	0.36	0.36	0.31	0.29	0.25	0.17	0.12	0.09	0.06	0.04	3.31	0.00
-48	0.04	0.06	0.08	0.08	0.11	0.16	0.18	0.19	0.23	0.23	0.19	0.19	0.17	0.12	0.08	0.07	0.06	0.04	2.27	0.00
-56	0.04	0.06	0.07	0.07	0.09	0.12	0.12	0.12	0.14	0.14	0.12	0.12	0.12	0.09	0.07	0.07	0.06	0.04	1.64	0.00
-64	0.04	0.06	0.07	0.07	0.09	0.12	0.12	0.12	0.14	0.14	0.12	0.12	0.12	0.09	0.07	0.07	0.06	0.04	1.64	0.00
-72	0.04	0.06	0.07	0.07	0.09	0.12	0.12	0.12	0.14	0.14	0.12	0.12	0.12	0.09	0.07	0.07	0.06	0.04	1.64	0.00
HORIZONTAL (DEG)																				
F t	0.77	1.36	2.42	4.65	12.8	36.8	69.7	95.6	107	106	95.5	75.1	45.0	17.4	5.59	2.64	1.44	0.76	688	
F a	0.00	0.00	0.00	0.00	6.93	32.5	65.7	91.9	103	102	91.9	71.2	40.8	12.4	0.22	0.00	0.00	0.00		619

Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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

IES Flood Report

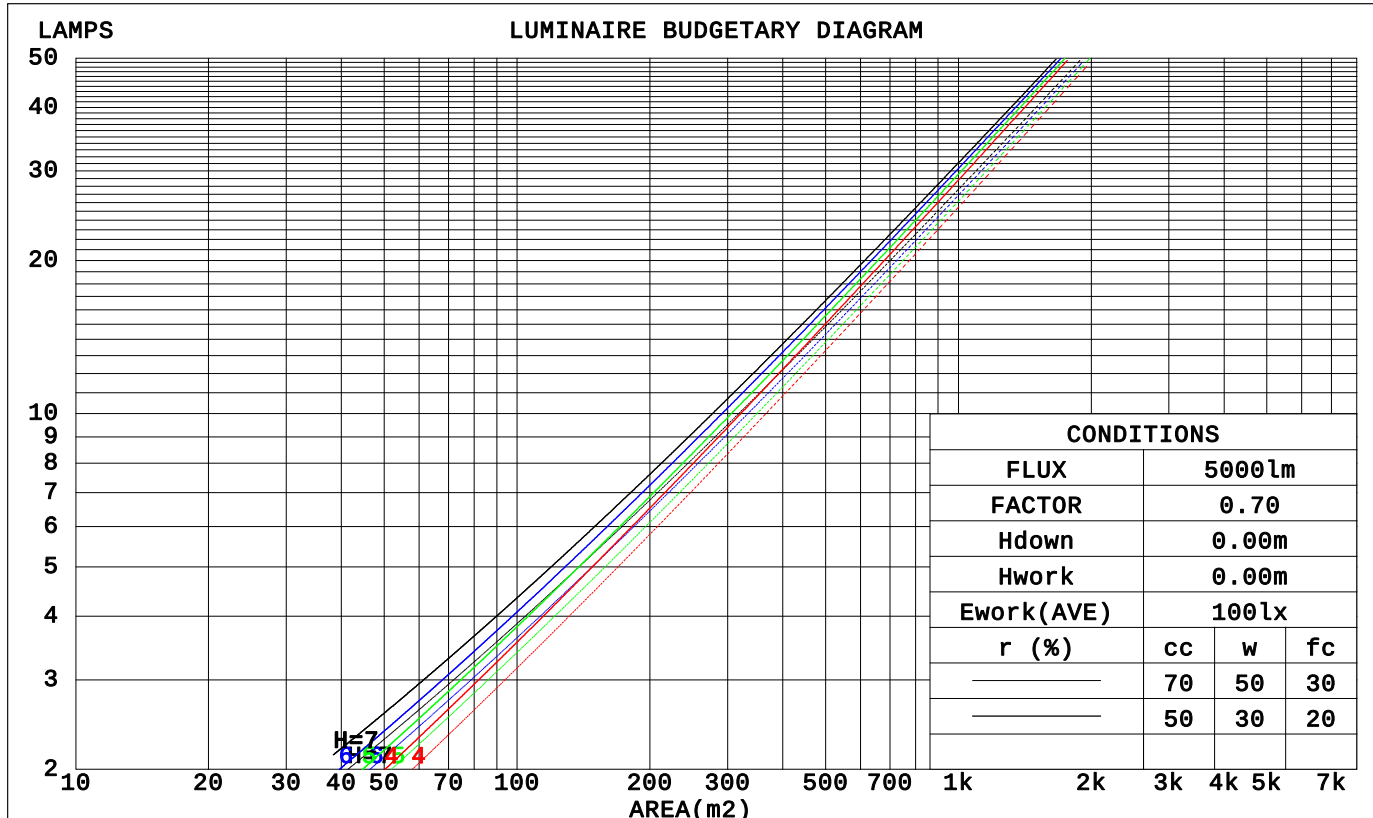
Photometric Filename:HCP-8921224-2.7K.IES

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number :

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-2.7K	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															



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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

IES Flood Report

Photometric Filename:HCP-8921224-2.7K.IES

WEC AND CCEC

Report number :

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-2.7K	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	.189	.107	.034	.182	.104	.033	.169	.097	.031	.158	.091	.029	.147	.085	.027		
2.0	.177	.097	.030	.171	.094	.029	.160	.089	.028	.151	.084	.026	.142	.080	.025		
3.0	.166	.089	.027	.161	.086	.026	.152	.083	.025	.144	.079	.024	.136	.075	.023		
4.0	.157	.082	.024	.153	.080	.024	.145	.077	.023	.138	.074	.022	.131	.071	.022		
5.0	.149	.076	.022	.145	.075	.022	.138	.072	.021	.132	.070	.021	.126	.067	.020		
6.0	.141	.071	.020	.138	.070	.020	.132	.068	.020	.127	.066	.019	.121	.064	.019		
7.0	.135	.067	.019	.132	.066	.019	.127	.064	.018	.122	.062	.018	.117	.061	.018		
8.0	.129	.063	.018	.126	.062	.018	.121	.061	.017	.117	.059	.017	.113	.058	.017		
9.0	.123	.059	.017	.121	.059	.017	.116	.058	.016	.112	.056	.016	.109	.055	.016		
10.0	.118	.056	.016	.116	.056	.016	.112	.055	.015	.108	.054	.015	.105	.053	.015		

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	.112	.134	.114	.097	.092	.079	.067	.053	.046	.040	.017	.015	.013	
3.0	.145	.114	.089	.124	.098	.077	.085	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.134	.099	.072	.115	.085	.063	.079	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.125	.087	.059	.108	.076	.052	.074	.053	.036	.043	.031	.022	.014	.010	.007	
6.0	.118	.078	.050	.101	.068	.043	.070	.047	.031	.041	.028	.018	.013	.009	.006	
7.0	.111	.070	.042	.096	.061	.037	.066	.043	.026	.038	.025	.015	.012	.008	.005	
8.0	.105	.064	.036	.091	.056	.031	.063	.039	.022	.037	.023	.013	.012	.008	.004	
9.0	.100	.059	.031	.086	.051	.027	.060	.036	.019	.035	.021	.012	.011	.007	.004	
10.0	.096	.055	.027	.082	.047	.024	.057	.033	.017	.033	.020	.010	.011	.006	.003	

Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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

IES Flood Report

Photometric Filename:HCP-8921224-2.7K.IES

Uncorrected UGR Table

Report number:

MANUFACTURER: Havit Commercial						Address:				
NAME: HCP-8921224-2.7K						TYPE:downlight			WEIGHT:0.5KG	
SPECIFICATION:HCP-8921224-2.7K						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	4.7	5.6	4.9	5.8	6.0	3.2	4.2	3.4	4.3	4.5
3H	4.7	5.6	5.0	5.8	6.0	3.4	4.2	3.6	4.4	4.6
4H	4.8	5.6	5.1	5.9	6.1	3.5	4.4	3.8	4.6	4.8
6H	5.0	5.8	5.3	6.1	6.3	3.9	4.7	4.2	4.9	5.2
8H	5.2	6.0	5.6	6.3	6.5	4.2	5.0	4.5	5.2	5.5
12H	5.6	6.3	5.9	6.6	6.8	4.7	5.4	5.0	5.7	5.9
4H 2H	4.5	5.4	4.8	5.6	5.8	3.1	4.0	3.4	4.2	4.4
3H	4.7	5.4	5.0	5.7	6.0	3.4	4.2	3.8	4.4	4.7
4H	4.9	5.5	5.2	5.8	6.1	3.8	4.4	4.1	4.7	5.0
6H	5.3	5.8	5.6	6.2	6.5	4.3	4.9	4.7	5.2	5.6
8H	5.6	6.1	6.0	6.5	6.8	4.7	5.3	5.1	5.6	6.0
12H	6.0	6.5	6.5	6.9	7.3	5.4	5.9	5.8	6.2	6.6
8H 4H	4.9	5.5	5.3	5.8	6.2	3.9	4.4	4.3	4.8	5.1
6H	5.5	6.0	5.9	6.4	6.8	4.7	5.1	5.1	5.5	6.0
8H	6.0	6.4	6.4	6.8	7.2	5.3	5.7	5.8	6.1	6.6
12H	6.6	7.0	7.1	7.4	7.9	6.1	6.4	6.6	6.9	7.3
12H 4H	4.9	5.4	5.3	5.8	6.2	3.9	4.4	4.3	4.8	5.2
6H	5.6	6.0	6.0	6.4	6.8	4.8	5.2	5.2	5.6	6.1
8H	6.1	6.5	6.6	6.9	7.4	5.5	5.9	6.0	6.3	6.8
Variations with the observer position at spacings:										
S = 1.0H	+ 2.7 / - 1.8					+ 1.2 / - 0.9				
1.5H	+ 4.7 / - 1.9					+ 2.3 / - 0.9				
2.0H	+ 1.8 / - 0.8					+ 0.9 / - 0.6				

CIE Pub.117 Corrected 688.1 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.3)

Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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

IES Flood Report

Photometric Filename:HCP-8921224-2.7K.IES

UTILIZATION FACTORS TABLE

Report number :

MANUFACTURER: Havit Commercial	Address:		
NAME: HCP-8921224-2.7K	TYPE:downlight	WEIGHT:0.5KG	
SPECIFICATION:HCP-8921224-2.7K	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) $k(RI) \times RCR = 5$									
$k = 0.60$	86	79	76	85	79	75	85	79	75	72
0.80	93	87	83	93	87	83	92	86	83	79
1.00	98	92	88	97	92	88	96	92	87	83
1.25	102	97	93	101	96	93	99	95	92	87
1.50	105	100	96	104	99	96	101	98	95	90
2.00	108	103	100	106	102	99	103	100	98	92
2.50	109	105	102	108	104	101	105	102	99	93
3.00	111	107	104	109	106	103	106	103	101	95
4.00	113	110	108	111	109	106	107	105	104	96
5.00	115	112	110	112	110	108	108	107	105	98
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:2022-12-02

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

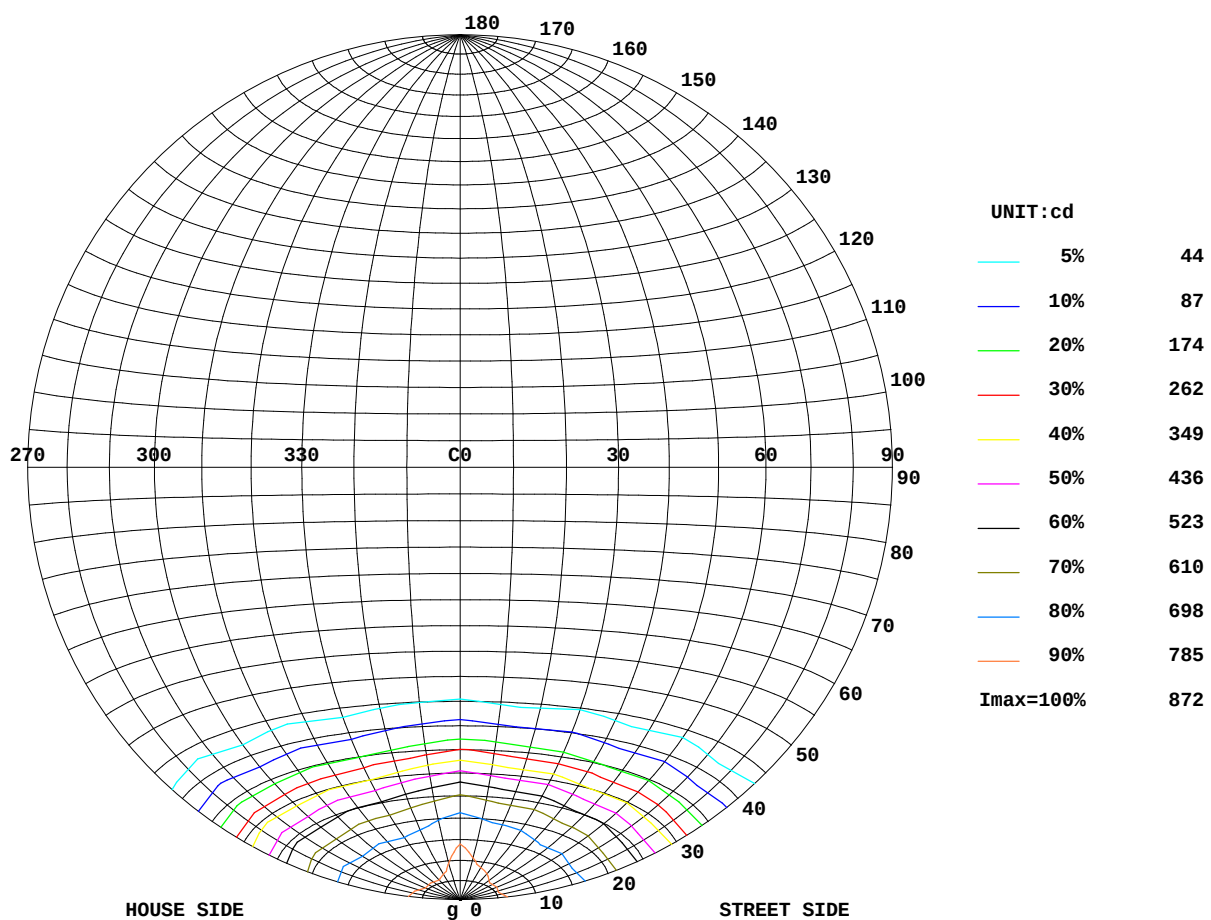
IES Flood Report

Photometric Filename:HCP-8921224-2.7K.IES

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-2.7K	DIMENSION:	SERIAL No.:2013051602



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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

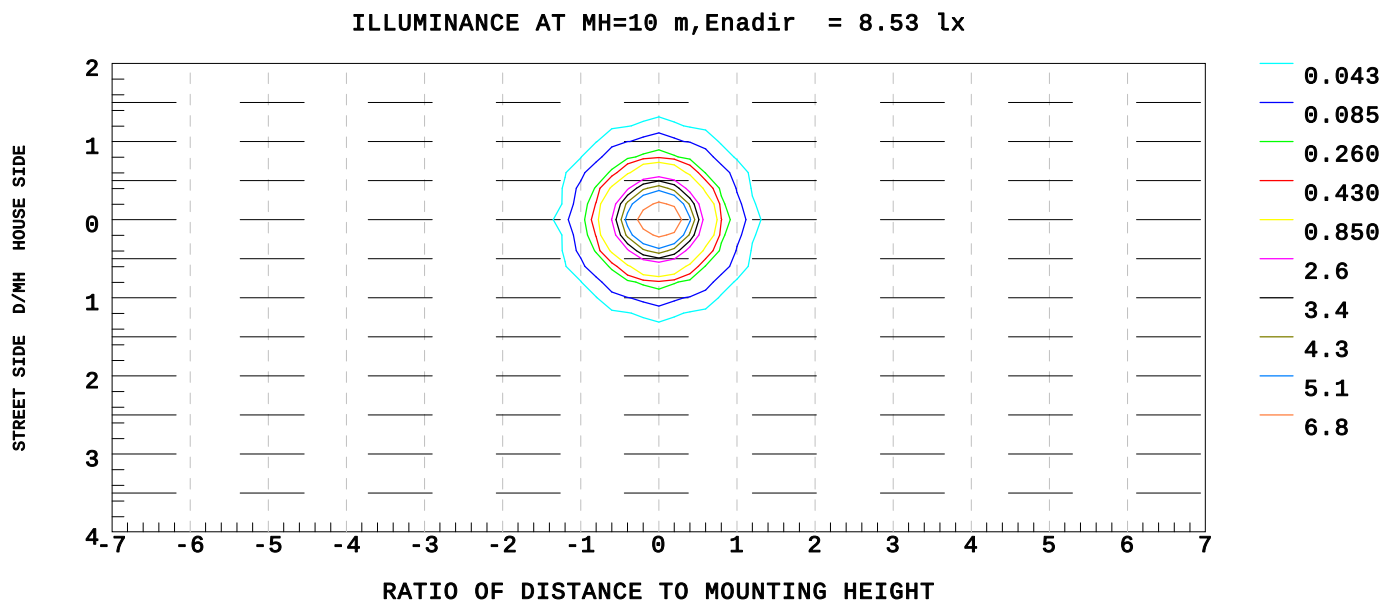
IES Flood Report

Photometric Filename:HCP-8921224-2.7K.IES

ISOLUX DIAGRAM

Report number :

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-2.7K	DIMENSION:	SERIAL No.:2013051602



Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

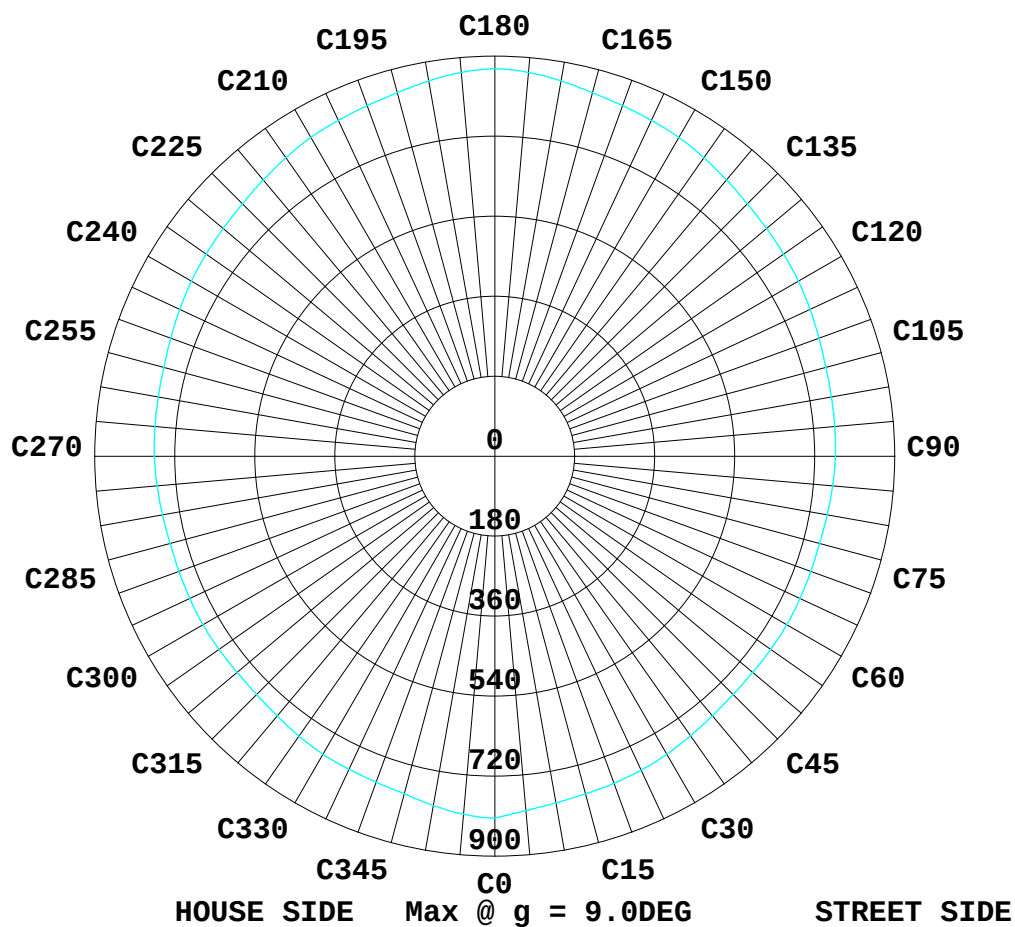
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

IES Flood Report
Photometric Filename:HCP-8921224-2.7K.IES

ISOCANDELA DIAGRAM

Report number :

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-2.7K	DIMENSION:	SERIAL No.:2013051602



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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

IES Flood Report

Photometric Filename:HCP-8921224-2.7K.IES

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number :

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-2.7K	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	853	849	851	846	847	844	847	842	844	841	842	840	840	840	842
5.0	831	813	805	792	792	789	796	798	811	820	836	849	864	849	836
10.0	810	781	766	752	752	751	762	764	783	797	824	844	868	844	824
15.0	775	744	731	715	716	710	718	717	734	742	770	787	816	787	770
20.0	719	685	680	652	651	632	642	626	645	640	672	675	710	675	672
25.0	616	579	569	528	521	495	499	480	495	484	512	518	551	518	512
30.0	452	409	396	348	343	317	319	298	312	299	325	328	361	328	325
35.0	264	252	210	169	168	142	124	130	125	134	125	150	178	150	125
40.0	110	88.5	89.2	70.2	71.4	59.9	64.7	56.5	63.8	57.6	67.0	61.9	73.4	61.9	67.0
45.0	46.2	37.5	41.0	32.5	35.5	29.6	33.5	28.4	33.1	28.7	34.1	29.9	35.6	29.9	34.1
50.0	25.2	20.4	24.1	19.2	22.5	18.4	21.8	17.9	21.4	17.6	21.4	17.7	21.8	17.7	21.4
55.0	17.8	14.5	17.2	14.0	16.7	13.6	16.3	13.2	15.9	12.9	15.8	12.9	15.8	12.9	15.8
60.0	13.1	10.2	12.6	10.0	12.6	10.3	12.4	9.66	11.8	9.40	11.9	9.47	11.7	9.47	11.9
65.0	9.66	7.36	9.53	7.23	9.34	7.16	9.28	7.04	9.08	6.84	8.83	6.65	8.63	6.65	8.83
70.0	7.10	5.24	7.10	5.24	7.04	5.24	7.10	5.31	7.10	5.31	7.04	5.24	6.97	5.24	7.04
75.0	6.33	4.73	6.33	4.73	6.33	4.86	6.40	4.92	6.46	4.99	6.52	4.99	6.46	4.99	6.52
80.0	5.88	4.41	5.88	4.48	5.88	4.48	5.88	4.60	6.01	4.67	6.08	4.73	6.08	4.73	6.08
85.0	5.31	4.03	5.24	4.03	5.24	4.03	5.31	4.16	5.44	4.28	5.50	4.35	5.50	4.35	5.50
90.0	4.73	3.90	4.67	3.90	4.67	3.96	4.73	4.09	4.86	4.16	4.99	4.22	4.99	4.22	4.99

Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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

IES Flood Report

Photometric Filename:HCP-8921224-2.7K.IES

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number :

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-2.7K	TYPE: downlight	WEIGHT: 0.5KG
SPECIFICATION: HCP-8921224-2.7K	DIMENSION:	SERIAL No.: 2013051602

UNIT: cd

g (DEG) \ C (DEG)	225	240	255	270	285	300	315	330	345
0.0	841	844	842	847	844	847	846	851	849
5.0	820	811	798	796	789	792	792	805	813
10.0	797	783	764	762	751	752	752	766	781
15.0	742	734	717	718	710	716	715	731	744
20.0	640	645	626	642	632	651	652	680	685
25.0	484	495	480	499	495	521	528	569	579
30.0	299	312	298	319	317	343	348	396	409
35.0	134	125	130	124	142	168	169	210	252
40.0	57.6	63.8	56.5	64.7	59.9	71.4	70.2	89.2	88.5
45.0	28.7	33.1	28.4	33.5	29.6	35.5	32.5	41.0	37.5
50.0	17.6	21.4	17.9	21.8	18.4	22.5	19.2	24.1	20.4
55.0	12.9	15.9	13.2	16.3	13.6	16.7	14.0	17.2	14.5
60.0	9.40	11.8	9.66	12.4	10.3	12.6	10.0	12.6	10.2
65.0	6.84	9.08	7.04	9.28	7.16	9.34	7.23	9.53	7.36
70.0	5.31	7.10	5.31	7.10	5.24	7.04	5.24	7.10	5.24
75.0	4.99	6.46	4.92	6.40	4.86	6.33	4.73	6.33	4.73
80.0	4.67	6.01	4.60	5.88	4.48	5.88	4.48	5.88	4.41
85.0	4.28	5.44	4.16	5.31	4.03	5.24	4.03	5.24	4.03
90.0	4.16	4.86	4.09	4.73	3.96	4.67	3.90	4.67	3.90

Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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