

IES Flood Report

Photometric Filename:HCP-8921224-5K.IES

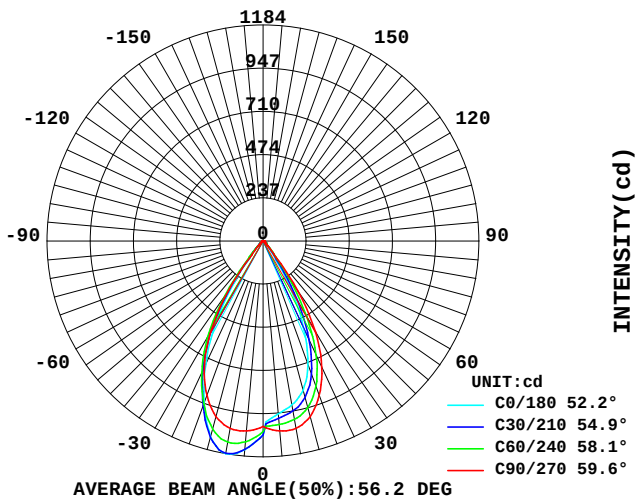
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number :

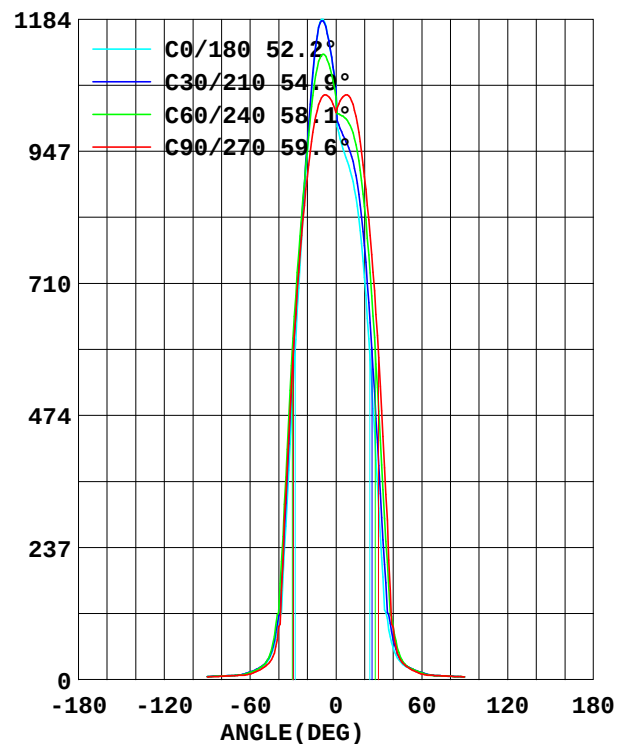
MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-5K	DIMENSION:	SERIAL No.:2013051602

DATA OF LAMP		Imax(cd)	1188	S/MH(C0/180)	0.88
MODEL	HCP-8921224-5K	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.92
NOMINAL POWER(W)	12	TOTAL FLUX(lm)	931.68	Voltage(V)	224.8
RATED VOLTAGE(V)	224	EFFICIENCY(lm/W)	79.1	Current(A)	0.058
NOMINAL FLUX(lm)	931.7	h up(%)	0.0	Power(W)	11.78
LAMPS QUANTITY	1	h down(%)	100.0	Power Factor(PF)	0.877
TEST VOLTAGE(V)	224.9	Effective Flux(lm)	852.4	EEI	0.175

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:

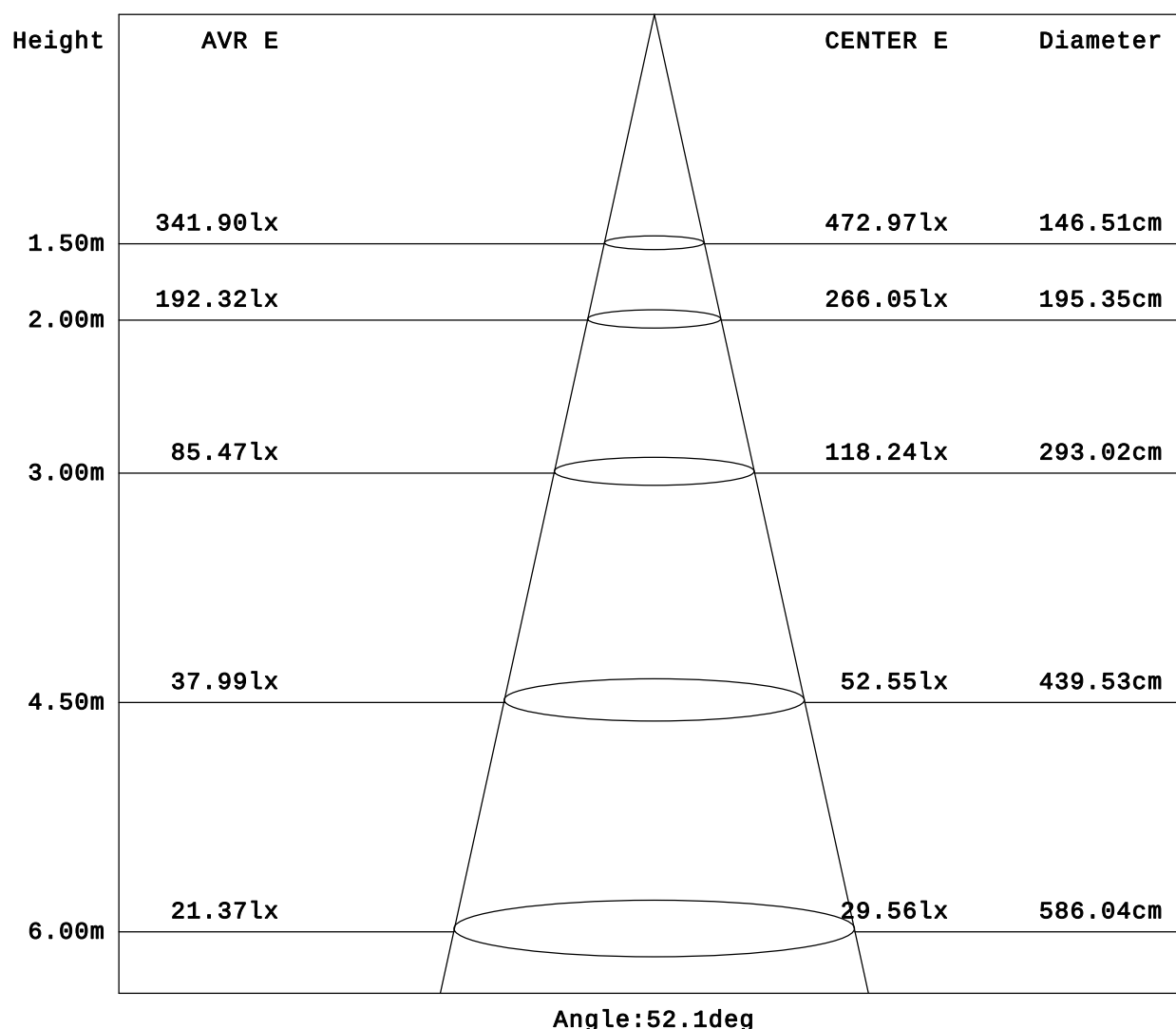
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AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-5K	DIMENSION:	SERIAL No.:2013051602



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IES Flood Report

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ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-5K	DIMENSION:	SERIAL No.:2013051602

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	Total
5.0	1147	1134	1045	991.2	951.8	991.2	1045	1134	0- 5	25.05	25.05
10.0	1184	1156	1043	965.9	911.8	965.9	1043	1156	5- 10	75.71	100.7
15.0	1113	1090	998.0	914.0	848.4	914.0	998.0	1090	10- 15	122.1	222.8
20.0	946.8	947.3	901.6	806.0	721.1	806.0	901.6	947.3	15- 20	154.4	377.3
25.0	742.7	768.3	761.7	628.6	526.0	628.6	761.7	768.3	20- 25	165.7	543.1
30.0	522.2	568.1	577.0	416.0	307.1	416.0	577.0	568.1	25- 30	152.1	695.2
35.0	275.0	313.7	332.2	215.2	120.5	215.2	332.2	313.7	30- 35	111.5	806.8
40.0	103.5	111.2	94.40	73.66	56.95	73.66	94.40	111.2	35- 40	56.25	863.0
45.0	46.33	45.05	36.03	34.36	32.38	34.36	36.03	45.05	40- 45	22.62	885.6
50.0	26.43	24.00	22.46	20.54	22.01	20.54	22.46	24.00	45- 50	11.93	897.6
55.0	18.17	15.61	15.10	14.40	16.32	14.40	15.10	15.61	50- 55	8.272	905.8
60.0	13.18	10.68	9.983	10.24	12.22	10.24	9.983	10.68	55- 60	6.081	911.9
65.0	9.280	7.168	7.808	6.656	8.639	6.656	7.808	7.168	60- 65	4.438	916.4
70.0	7.552	5.568	7.296	5.440	7.232	5.440	7.296	5.568	65- 70	3.506	919.9
75.0	7.104	5.248	6.592	5.056	6.720	5.056	6.592	5.248	70- 75	3.247	923.1
80.0	6.528	4.864	5.888	4.544	6.016	4.544	5.888	4.864	75- 80	3.049	926.2
85.0	5.888	4.544	5.440	4.224	5.376	4.224	5.440	4.544	80- 85	2.813	929.0
90.0	5.312	4.608	4.864	4.224	4.992	4.224	4.864	4.608	85- 90	2.654	931.6
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:

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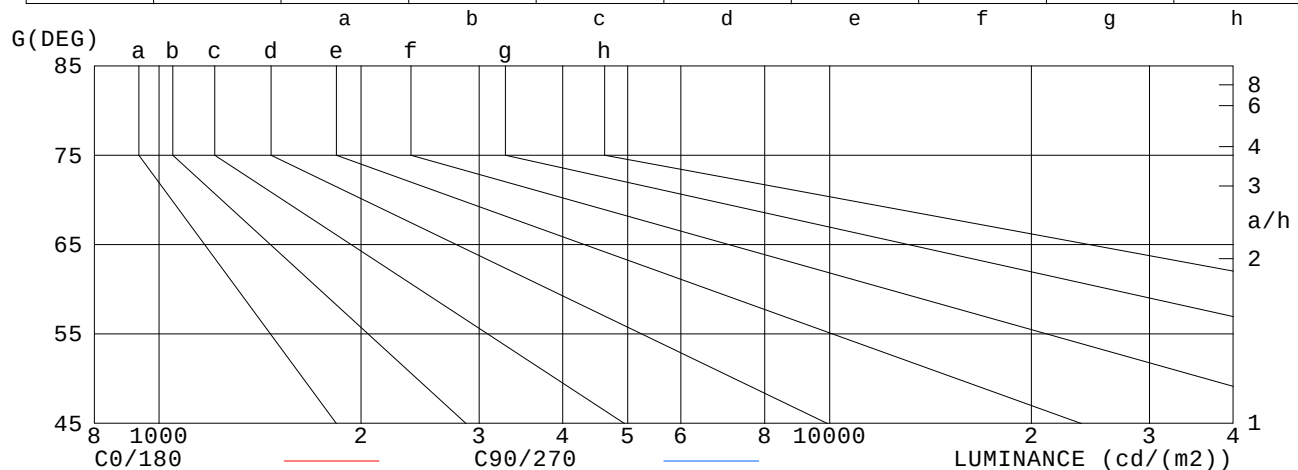
LUMINANCE LIMITATION CURVES

Report number :

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-5K	DIMENSION:	SERIAL No.:2013051602

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



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	338	312
80	188	170
75	137	127
70	110	107
65	110	92
60	132	100
55	158	132
50	206	175
45	328	255

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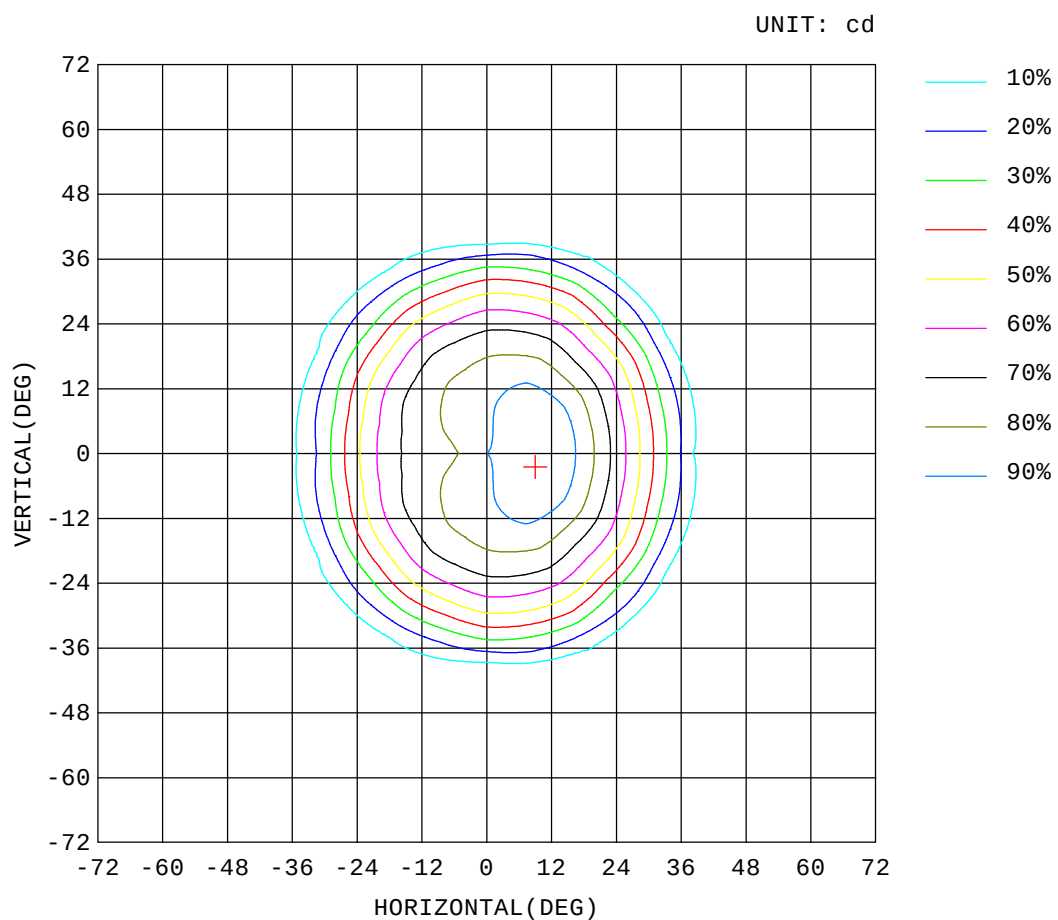
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Photometric Filename:HCP-8921224-5K.IES

ISOCANDELA DIAGRAM

Report number :

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-5K	DIMENSION:	SERIAL No.:2013051602



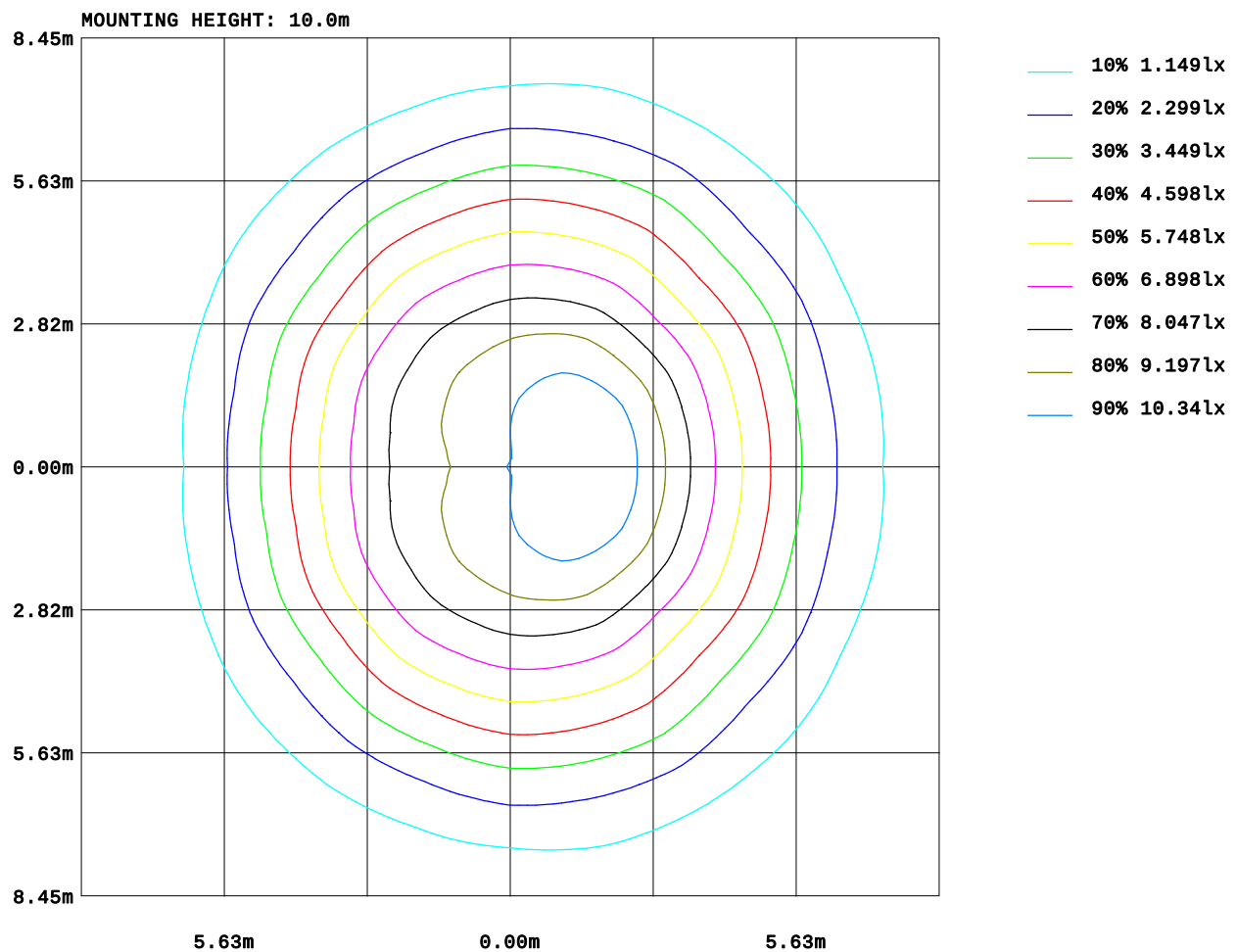
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-01

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-8921224-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-5K	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%
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IES Flood Report

Photometric Filename:HCP-8921224-5K.IES

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-5K	DIMENSION:	SERIAL No.:2013051602

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm	F t	F a
	0.04	0.06	0.07	0.07	0.10	0.12	0.11	0.11	0.13	0.13	0.11	0.12	0.12	0.10	0.08	0.07	0.06	0.04	1.65	0.00
72	0.04	0.06	0.08	0.08	0.11	0.15	0.16	0.15	0.19	0.19	0.16	0.17	0.16	0.12	0.09	0.08	0.06	0.04	2.10	0.00
64	0.04	0.06	0.09	0.12	0.16	0.25	0.29	0.30	0.35	0.36	0.31	0.31	0.26	0.17	0.13	0.10	0.07	0.04	3.42	0.00
56	0.04	0.06	0.11	0.18	0.25	0.38	0.56	0.67	0.84	0.88	0.77	0.68	0.44	0.27	0.19	0.12	0.07	0.04	6.55	0.00
48	0.04	0.07	0.14	0.25	0.38	0.72	1.63	3.14	4.77	5.33	4.28	2.41	0.97	0.46	0.28	0.15	0.07	0.04	25.1	17.8
40	0.04	0.07	0.16	0.31	0.64	1.76	5.01	9.00	11.7	12.5	11.0	7.21	2.89	0.92	0.37	0.17	0.08	0.05	64.0	59.6
32	0.05	0.09	0.17	0.36	1.04	3.84	9.10	14.0	16.6	17.5	16.0	11.8	6.36	1.75	0.48	0.20	0.10	0.05	99.8	96.0
24	0.05	0.10	0.20	0.43	1.46	5.81	12.0	16.5	19.1	20.6	19.7	15.3	9.09	2.93	0.63	0.23	0.11	0.06	124	121
16	0.06	0.12	0.23	0.50	1.79	6.70	12.9	17.0	19.2	21.8	21.8	16.9	10.3	3.67	0.79	0.27	0.12	0.06	135	131
8	0.06	0.12	0.23	0.50	1.79	6.70	12.9	17.0	19.2	21.8	21.8	16.9	10.3	3.67	0.79	0.27	0.12	0.06	135	131
0	0.05	0.10	0.20	0.43	1.46	5.81	12.0	16.5	19.1	20.6	19.7	15.3	9.09	2.93	0.63	0.23	0.11	0.06	124	121
-8	0.05	0.09	0.17	0.36	1.04	3.84	9.10	14.0	16.6	17.5	16.0	11.8	6.36	1.75	0.48	0.20	0.10	0.05	99.8	96.0
-16	0.04	0.07	0.16	0.31	0.64	1.76	5.01	9.00	11.7	12.5	11.0	7.21	2.89	0.92	0.37	0.17	0.08	0.05	64.0	59.6
-24	0.04	0.07	0.14	0.25	0.38	0.72	1.63	3.14	4.77	5.33	4.28	2.41	0.97	0.46	0.28	0.15	0.07	0.04	25.1	17.8
-32	0.04	0.06	0.11	0.18	0.25	0.38	0.56	0.67	0.84	0.88	0.77	0.68	0.44	0.27	0.19	0.12	0.07	0.04	6.55	0.00
-40	0.04	0.06	0.09	0.12	0.16	0.25	0.29	0.30	0.35	0.36	0.31	0.31	0.26	0.17	0.13	0.10	0.07	0.04	3.42	0.00
-48	0.04	0.06	0.08	0.08	0.11	0.15	0.16	0.15	0.19	0.19	0.16	0.17	0.16	0.12	0.09	0.08	0.06	0.04	2.10	0.00
-56	0.04	0.06	0.07	0.07	0.10	0.12	0.11	0.11	0.13	0.13	0.11	0.12	0.12	0.10	0.08	0.07	0.06	0.04	1.65	0.00
-64	0.04	0.06	0.07	0.07	0.10	0.12	0.11	0.11	0.13	0.13	0.11	0.12	0.12	0.10	0.08	0.07	0.06	0.04	1.65	0.00
-72	0.04	0.06	0.07	0.07	0.10	0.12	0.11	0.11	0.13	0.13	0.11	0.12	0.12	0.10	0.08	0.07	0.06	0.04	1.65	0.00
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)				16	24	32	40	48	56	64	72
F t	0.78	1.38	2.52	4.60	11.8	39.4	83.7	122	146	159	149	110	61.2	20.7	6.04	2.80	1.49	0.83	932	
F a	0.00	0.00	0.00	0.00	3.15	33.7	78.8	118	142	155	145	106	56.3	13.3	0.00	0.00	0.00	0.00		852

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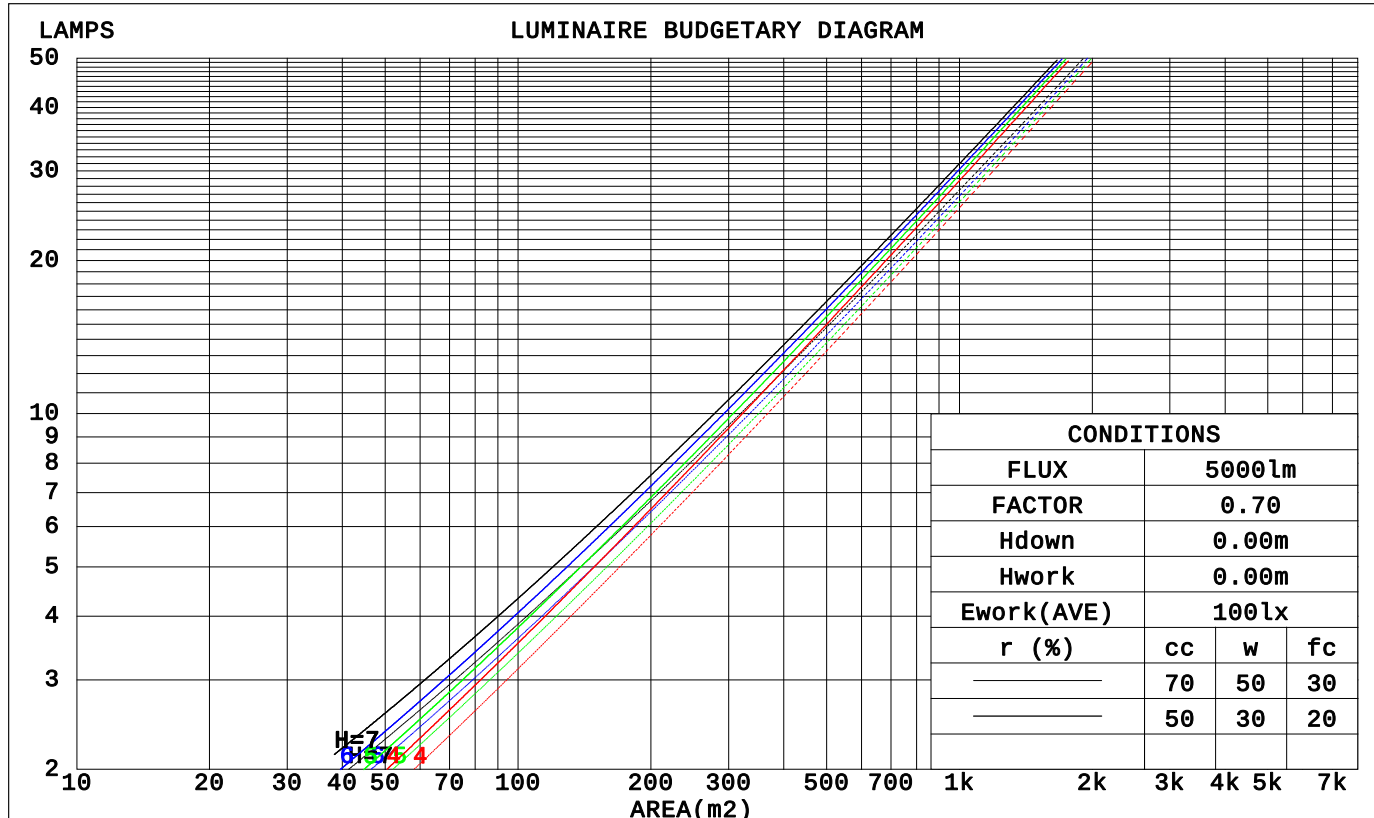
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number :

MANUFACTURER: Havit Commercial	Address:		
NAME: HCP-8921224-5K	TYPE:downlight	WEIGHT:0.5KG	
SPECIFICATION:HCP-8921224-5K	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 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	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.01	1.00	.99	.98	.97	.96	.95	.93
2.0	1.03	.99	.95	1.01	.97	.94	.98	.95	.92	.95	.92	.90	.92	.90	.88	.86
3.0	.96	.91	.87	.94	.90	.86	.92	.88	.85	.89	.86	.83	.87	.84	.82	.81
4.0	.90	.84	.80	.89	.83	.79	.86	.82	.79	.84	.81	.78	.83	.79	.77	.75
5.0	.84	.78	.74	.83	.78	.74	.81	.77	.73	.80	.76	.72	.78	.75	.72	.70
6.0	.79	.73	.69	.78	.73	.69	.77	.72	.68	.75	.71	.68	.74	.70	.67	.66
7.0	.75	.69	.64	.74	.68	.64	.73	.68	.64	.71	.67	.64	.70	.66	.63	.62
8.0	.70	.65	.60	.70	.64	.60	.69	.64	.60	.68	.63	.60	.67	.63	.60	.58
9.0	.67	.61	.57	.66	.61	.57	.65	.60	.57	.64	.60	.56	.63	.59	.56	.55
10.0	.63	.57	.54	.63	.57	.54	.62	.57	.53	.61	.57	.53	.60	.56	.53	.52



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WEC AND CCEC

Report number :

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NAME: HCP-8921224-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-5K	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	
r/c	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.185	.105	.033	.178	.102	.032	.166	.095	.030	.154	.089	.029	.8/133.083	.027			
2.0	.174	.095	.029	.169	.093	.029	.158	.088	.027	.148	.083	.026	.139	.079	.025		
3.0	.164	.087	.026	.160	.085	.026	.150	.082	.025	.142	.078	.024	.134	.074	.023		
4.0	.156	.081	.024	.151	.079	.023	.144	.076	.023	.136	.073	.022	.130	.070	.021		
5.0	.148	.075	.022	.144	.074	.022	.137	.071	.021	.131	.069	.021	.125	.067	.020		
6.0	.141	.070	.020	.137	.069	.020	.131	.067	.020	.126	.065	.019	.121	.064	.019		
7.0	.134	.066	.019	.131	.065	.019	.126	.064	.018	.121	.062	.018	.116	.060	.018		
8.0	.128	.063	.018	.126	.062	.017	.121	.060	.017	.117	.059	.017	.112	.058	.017		
9.0	.123	.059	.017	.121	.059	.016	.116	.057	.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
r/c	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	.100	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.157	.132	.112	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.144	.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	.107	.076	.052	.074	.053	.037	.043	.031	.022	.014	.010	.007	
6.0	.118	.078	.050	.101	.068	.043	.070	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.111	.070	.042	.095	.061	.037	.066	.043	.026	.038	.025	.015	.012	.008	.005	
8.0	.105	.064	.036	.091	.056	.031	.063	.039	.022	.036	.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	

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 Temperature:25.3DEG
 Operators:
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 Humidity:65.0%
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Photometric Filename:HCP-8921224-5K.IES

Uncorrected UGR Table

Report number:

MANUFACTURER: Havit Commercial						Address:					
NAME: HCP-8921224-5K						TYPE:downlight			WEIGHT:0.5KG		
SPECIFICATION:HCP-8921224-5K						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	5.6	6.6	5.8	6.7	6.9	6.4	7.3	6.6	7.5	7.7	
3H	5.6	6.4	5.8	6.6	6.8	6.3	7.2	6.6	7.4	7.6	
4H	5.6	6.4	5.9	6.7	6.9	6.3	7.1	6.6	7.3	7.6	
6H	5.8	6.5	6.1	6.8	7.0	6.4	7.2	6.7	7.4	7.6	
8H	5.9	6.7	6.2	6.9	7.2	6.5	7.2	6.8	7.5	7.7	
12H	6.1	6.9	6.5	7.1	7.4	6.6	7.3	6.9	7.6	7.9	
4H	2H	5.4	6.2	5.7	6.5	6.7	6.2	7.0	6.4	7.2	7.4
	3H	5.5	6.2	5.8	6.4	6.7	6.1	6.9	6.5	7.1	7.4
	4H	5.6	6.2	5.9	6.5	6.8	6.2	6.9	6.6	7.2	7.5
	6H	5.9	6.4	6.2	6.8	7.1	6.4	7.0	6.8	7.3	7.6
	8H	6.1	6.6	6.5	7.0	7.3	6.5	7.1	6.9	7.4	7.8
	12H	6.5	7.0	6.9	7.3	7.7	6.8	7.3	7.2	7.7	8.1
8H	4H	5.6	6.1	6.0	6.5	6.8	6.2	6.7	6.6	7.1	7.4
	6H	6.0	6.4	6.4	6.8	7.3	6.5	6.9	6.9	7.3	7.7
	8H	6.4	6.8	6.8	7.2	7.6	6.8	7.1	7.2	7.6	8.0
	12H	6.9	7.3	7.4	7.7	8.2	7.2	7.5	7.6	8.0	8.4
12H	4H	5.6	6.1	6.0	6.4	6.8	6.2	6.7	6.6	7.0	7.4
	6H	6.1	6.4	6.5	6.9	7.3	6.5	6.9	7.0	7.3	7.8
	8H	6.5	6.8	7.0	7.3	7.7	6.9	7.2	7.3	7.6	8.1
Variations with the observer position at spacings:											
S = 1.0H	+ 2.1 / - 1.8					+ 2.3 / - 2.6					
1.5H	+ 3.9 / - 1.6					+ 4.4 / - 2.3					
2.0H	+ 1.5 / - 0.7					+ 1.0 / - 0.5					

CIE Pub.117 Corrected 931.6 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.2)

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-8921224-5K.IES

UTILIZATION FACTORS TABLE

Report number :

MANUFACTURER: Havit Commercial	Address:		
NAME: HCP-8921224-5K	TYPE:downlight	WEIGHT:0.5KG	
SPECIFICATION:HCP-8921224-5K	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) $k(RI) \times RCR = 5$									
$k = 0.60$	87	81	77	86	80	77	86	80	77	73
0.80	94	88	85	94	88	85	93	87	84	80
1.00	99	93	89	98	93	89	96	92	89	85
1.25	103	97	94	102	97	93	100	96	93	88
1.50	105	101	97	104	100	97	102	98	96	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	105	110	106	104	106	104	102	95
4.00	113	111	108	111	109	107	108	106	104	97
5.00	115	112	110	113	111	109	109	107	106	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:2022-12-01

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

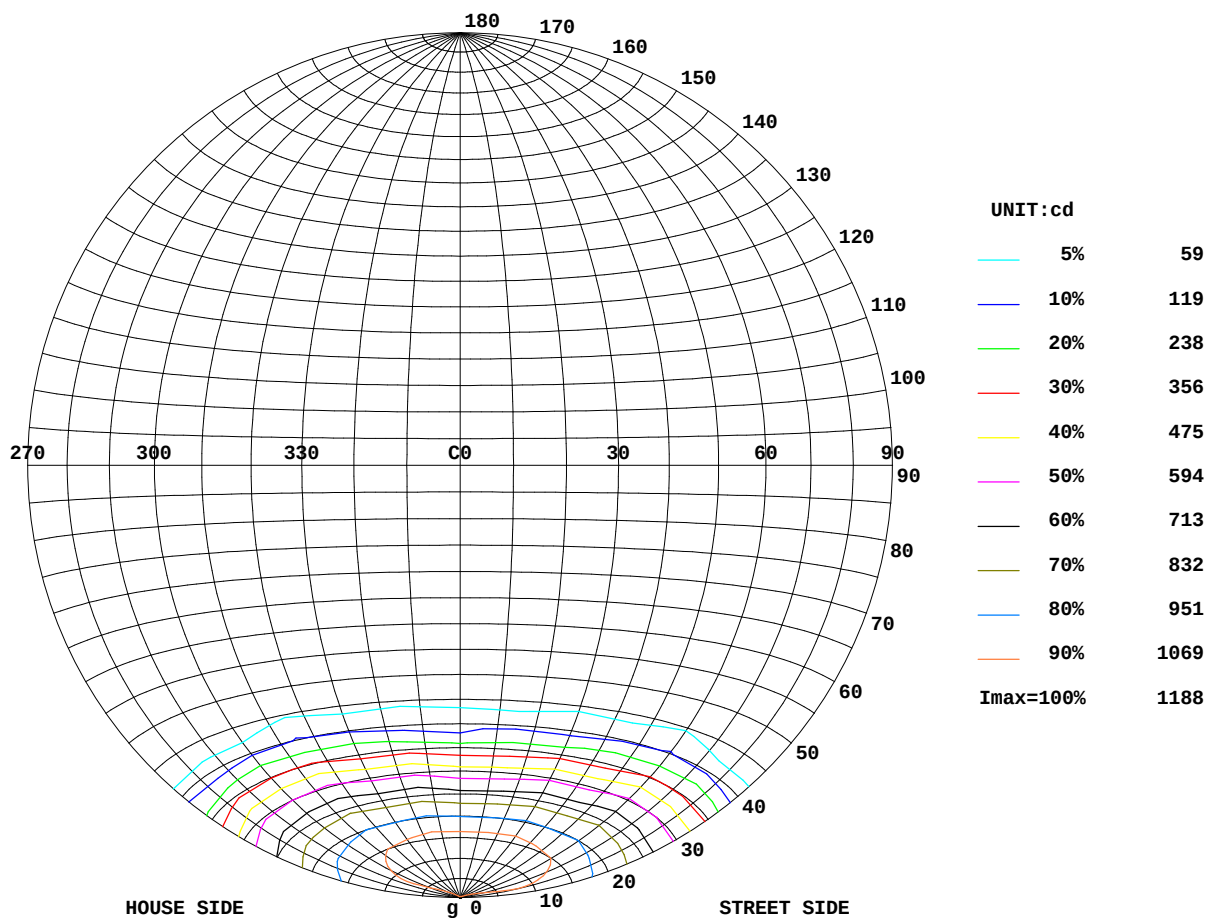
IES Flood Report

Photometric Filename:HCP-8921224-5K.IES

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-5K	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:

IES Flood Report

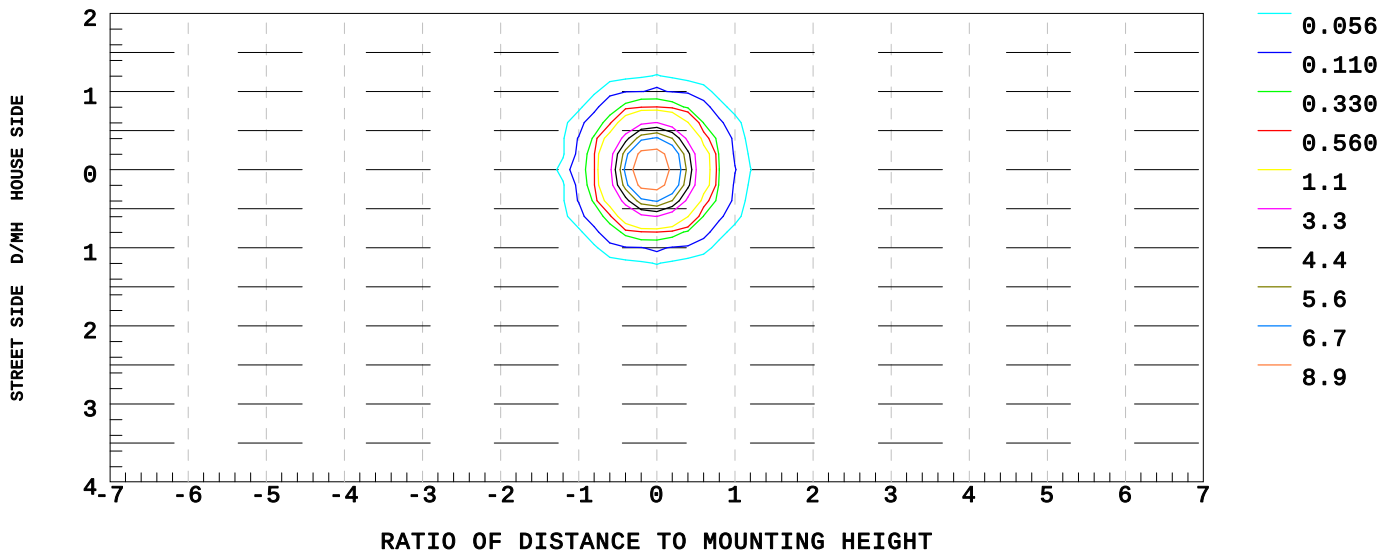
Photometric Filename:HCP-8921224-5K.IES

ISOLUX DIAGRAM

Report number :

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-5K	DIMENSION:	SERIAL No.:2013051602

ILLUMINANCE AT MH=10 m,Enadir = 10.64 lx



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

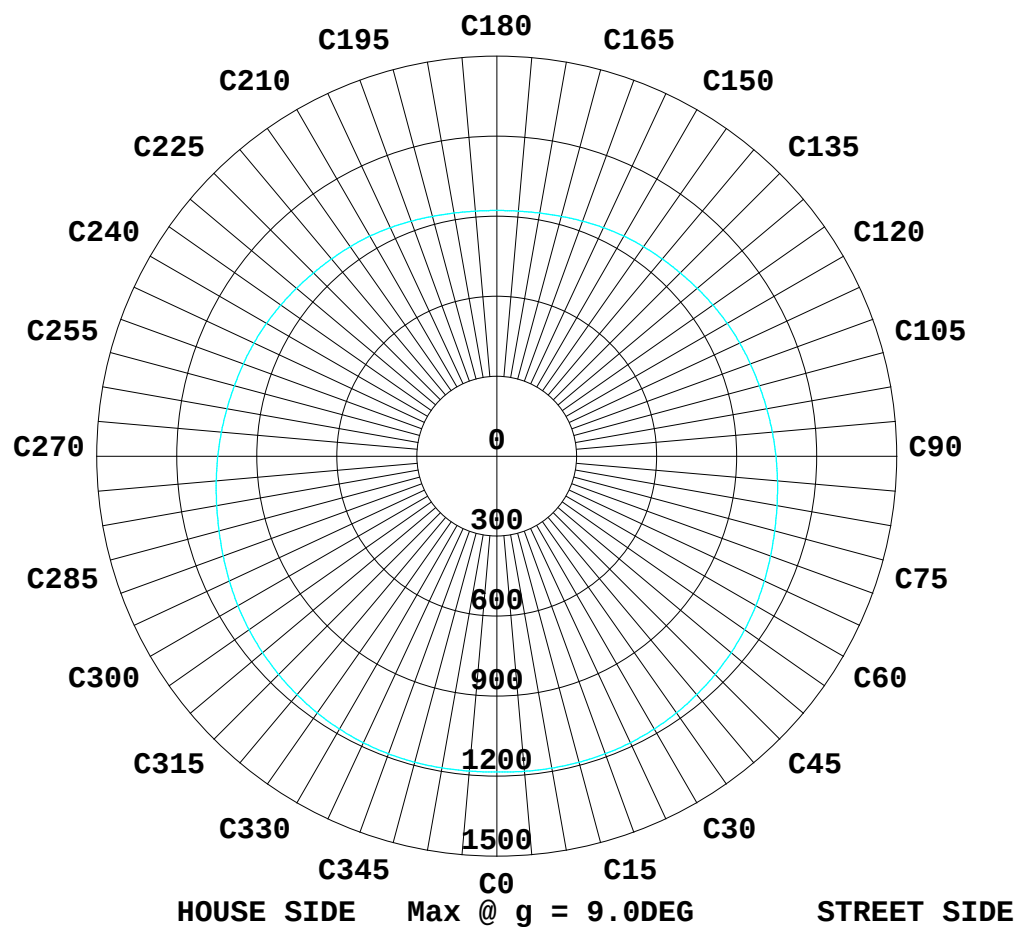
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks:

IES Flood Report
Photometric Filename:HCP-8921224-5K.IES

ISOCANDELA DIAGRAM

Report number :

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HCP-8921224-5K	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:

IES Flood Report

Photometric Filename:HCP-8921224-5K.IES

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number :

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5K	TYPE: downlight	WEIGHT: 0.5KG
SPECIFICATION: HCP-8921224-5K	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	1064	1063	1063	1061	1045	1028	1017	1015	1015	1012	1009	1005	1006	1005	1009
5.0	1147	1150	1146	1134	1104	1071	1045	1026	1010	991	976	959	952	959	976
10.0	1184	1187	1181	1156	1119	1075	1043	1014	993	966	945	923	912	923	945
15.0	1113	1117	1118	1090	1068	1026	998	967	947	914	890	858	848	858	890
20.0	947	949	963	947	951	922	902	867	848	806	778	731	721	731	778
25.0	743	750	777	768	795	776	762	716	688	629	595	536	526	536	595
30.0	522	533	572	568	612	594	577	516	481	416	384	321	307	321	384
35.0	275	282	317	314	363	349	332	275	248	215	173	135	121	135	173
40.0	104	99.6	114	111	121	101	94.4	83.5	94.9	73.6	71.6	55.9	56.9	55.9	71.6
45.0	46.3	41.7	50.1	45.0	53.9	34.8	36.0	31.4	41.8	34.3	36.4	29.1	32.3	29.1	36.4
50.0	26.4	22.9	27.9	24.0	27.3	20.0	22.4	18.8	23.8	20.5	23.5	19.1	22.0	19.1	23.5
55.0	18.1	15.2	19.0	15.6	18.2	12.9	15.1	12.4	17.0	14.4	17.2	13.6	16.3	13.6	17.2
60.0	13.1	10.8	13.7	10.6	12.7	8.32	9.98	7.87	12.1	10.2	12.6	9.85	12.2	9.85	12.6
65.0	9.28	7.10	9.47	7.16	8.89	5.76	7.80	5.69	8.32	6.65	8.76	6.65	8.63	6.65	8.76
70.0	7.55	5.69	7.55	5.56	7.48	5.50	7.29	5.37	7.23	5.44	7.23	5.50	7.23	5.50	7.23
75.0	7.10	5.44	6.97	5.24	6.91	5.12	6.59	4.99	6.65	5.05	6.65	5.12	6.72	5.12	6.65
80.0	6.52	5.05	6.40	4.86	6.27	4.60	5.88	4.48	5.95	4.54	6.01	4.67	6.01	4.67	6.01
85.0	5.88	4.54	5.82	4.54	5.76	4.35	5.44	4.22	5.44	4.22	5.37	4.22	5.37	4.22	5.37
90.0	5.31	4.54	5.31	4.60	5.37	4.28	4.86	4.09	4.86	4.22	4.99	4.22	4.99	4.22	4.99

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-8921224-5K.IES

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number :

MANUFACTURER: Havit Commercial	Address:	
NAME: HCP-8921224-5K	TYPE: downlight	WEIGHT: 0.5KG
SPECIFICATION: HCP-8921224-5K	DIMENSION:	SERIAL No.: 2013051602

UNIT: cd

C(DEG) g (DEG)	225	240	255	270	285	300	315	330	345
0.0	1012	1015	1015	1017	1028	1045	1061	1063	1063
5.0	991	1010	1026	1045	1071	1104	1134	1146	1150
10.0	966	993	1014	1043	1075	1119	1156	1181	1187
15.0	914	947	967	998	1026	1068	1090	1118	1117
20.0	806	848	867	902	922	951	947	963	949
25.0	629	688	716	762	776	795	768	777	750
30.0	416	481	516	577	594	612	568	572	533
35.0	215	248	275	332	349	363	314	317	282
40.0	73.6	94.9	83.5	94.4	101	121	111	114	99.6
45.0	34.3	41.8	31.4	36.0	34.8	53.9	45.0	50.1	41.7
50.0	20.5	23.8	18.8	22.4	20.0	27.3	24.0	27.9	22.9
55.0	14.4	17.0	12.4	15.1	12.9	18.2	15.6	19.0	15.2
60.0	10.2	12.1	7.87	9.98	8.32	12.7	10.6	13.7	10.8
65.0	6.65	8.32	5.69	7.80	5.76	8.89	7.16	9.47	7.10
70.0	5.44	7.23	5.37	7.29	5.50	7.48	5.56	7.55	5.69
75.0	5.05	6.65	4.99	6.59	5.12	6.91	5.24	6.97	5.44
80.0	4.54	5.95	4.48	5.88	4.60	6.27	4.86	6.40	5.05
85.0	4.22	5.44	4.22	5.44	4.35	5.76	4.54	5.82	4.54
90.0	4.22	4.86	4.09	4.86	4.28	5.37	4.60	5.31	4.54

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: