IES Flood Report
Photometric Filename:HV5843T-2.7K.IES

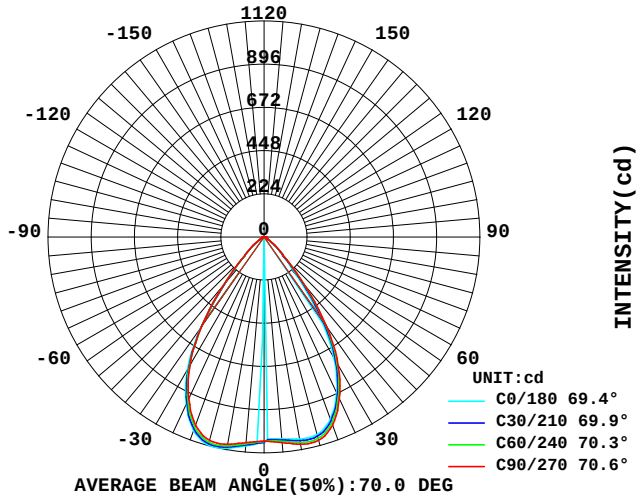
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-2.7K	DIMENSION:	SERIAL No.:2013051602

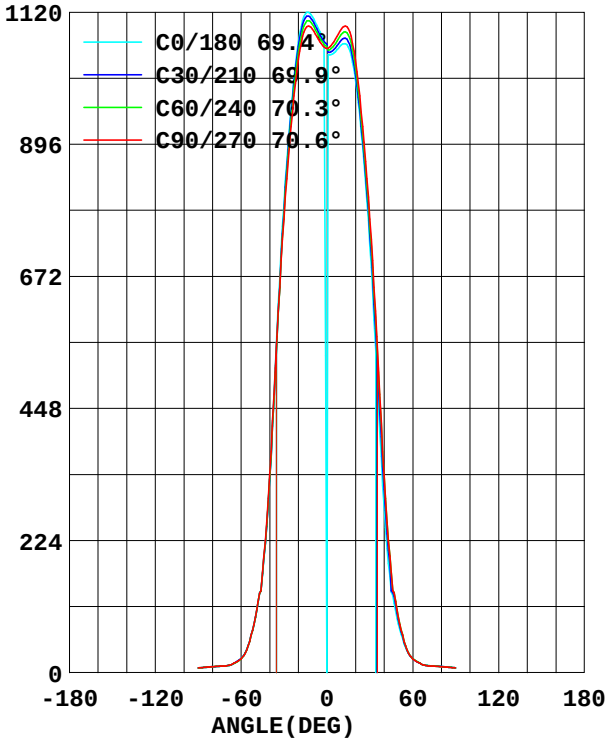
DATA OF LAMP		Imax(cd)	1120	S/MH(C0/180)	6.28
MODEL	HV5843T-2.7K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.04
NOMINAL POWER(W)	18	TOTAL FLUX(lm)	1371.0	Voltage(V)	229.5
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	78.1	Current(A)	0.079
NOMINAL FLUX(lm)	1371.1	h up(%)	0.0	Power(W)	17.54
LAMPS QUANTITY	1	h down(%)	100.0	Power Factor(PF)	0.963
TEST VOLTAGE(V)	229.5	Effictive Flux(lm)	1281.1	EEI	0.186

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):70.0 DEG

LUMINOUS INTENSITY DISTRIBUTION



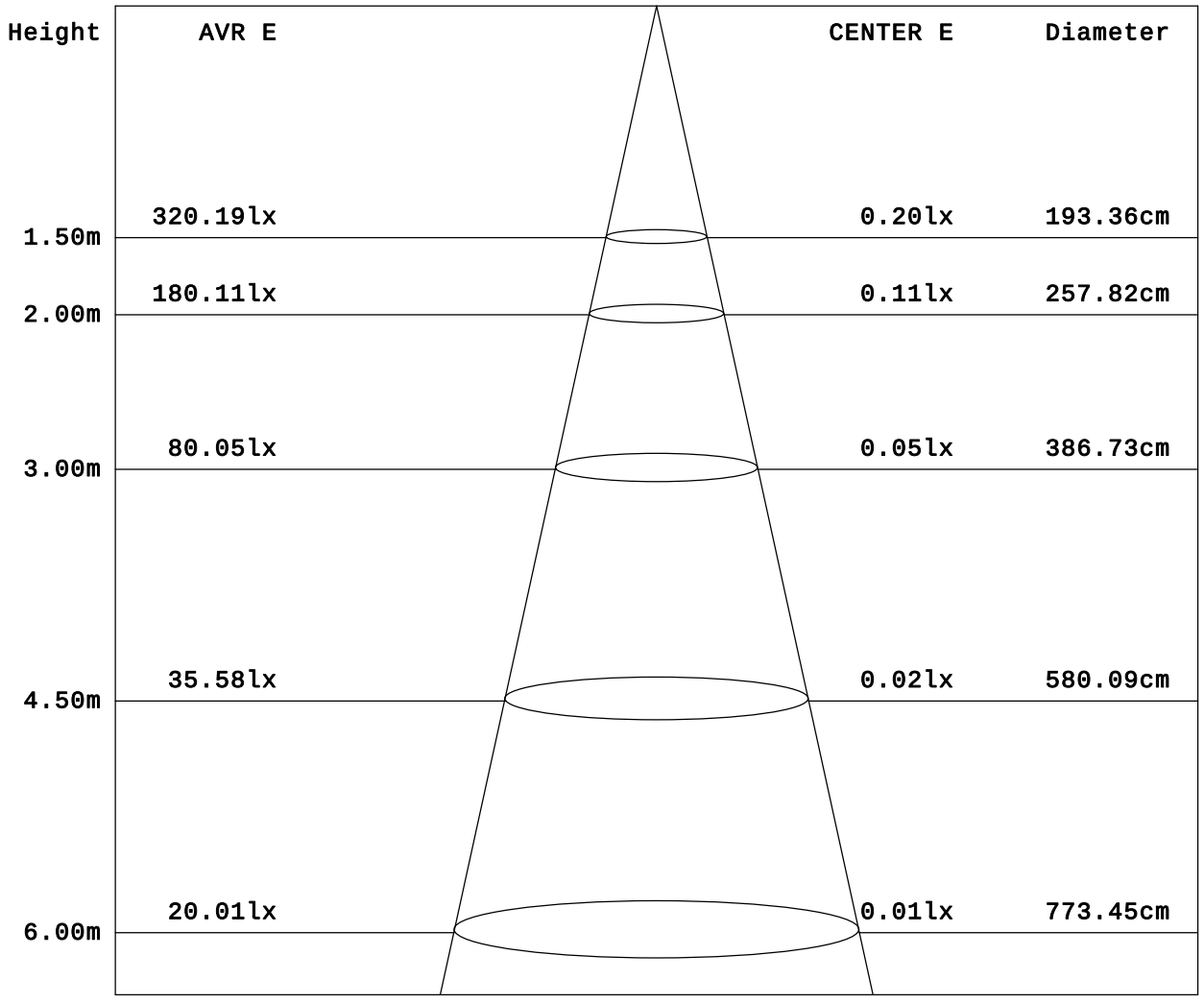
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-2.7K	DIMENSION:	SERIAL No.:2013051602



Angle:65.6deg

Test System:HOPOO 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:

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-2.7K	DIMENSION:	SERIAL No.:2013051602

g	C0	C45	C90	C135	C180	C225	C270	C315	g	zone	total
5.0	1088	1079	1070	1060	1051	1060	1070	1079	0- 5	25.38	25.38
10.0	1113	1102	1091	1076	1065	1076	1091	1102	5- 10	77.31	102.7
15.0	1117	1104	1092	1073	1061	1073	1092	1104	10- 15	129.6	232.3
20.0	1070	1049	1040	1013	1007	1013	1040	1049	15- 20	175.7	408.1
25.0	957.0	935.5	926.1	899.0	891.7	899.0	926.1	935.5	20- 25	205.6	613.7
30.0	793.7	763.0	769.0	737.3	724.7	737.3	769.0	763.0	25- 30	212.9	826.7
35.0	578.4	536.8	569.9	528.8	508.9	528.8	569.9	536.8	30- 35	192.8	1020
40.0	327.6	310.4	333.9	309.9	280.5	309.9	333.9	310.4	35- 40	141.6	1161
45.0	165.8	160.6	170.1	157.6	136.3	157.6	170.1	160.6	40- 45	85.88	1247
50.0	93.44	83.00	94.14	82.04	82.94	82.04	94.14	83.00	45- 50	48.41	1296
55.0	46.14	39.48	45.37	39.16	42.36	39.16	45.37	39.48	50- 55	27.35	1323
60.0	23.61	19.39	23.23	19.84	23.29	19.84	23.23	19.39	55- 60	13.83	1337
65.0	15.67	12.67	15.80	13.05	15.80	13.05	15.80	12.67	60- 65	8.614	1345
70.0	11.52	9.280	11.77	9.728	11.90	9.728	11.77	9.280	65- 70	6.059	1351
75.0	10.75	8.832	10.87	9.216	11.13	9.216	10.87	8.832	70- 75	5.347	1357
80.0	9.983	8.320	10.11	8.639	10.30	8.639	10.11	8.320	75- 80	5.173	1362
85.0	8.960	7.488	9.023	7.744	9.151	7.744	9.023	7.488	80- 85	4.799	1367
90.0	7.680	6.848	7.808	6.976	7.808	6.976	7.808	6.848	85- 90	4.301	1371
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:HOPOO 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:HV5843T-2.7K.IES

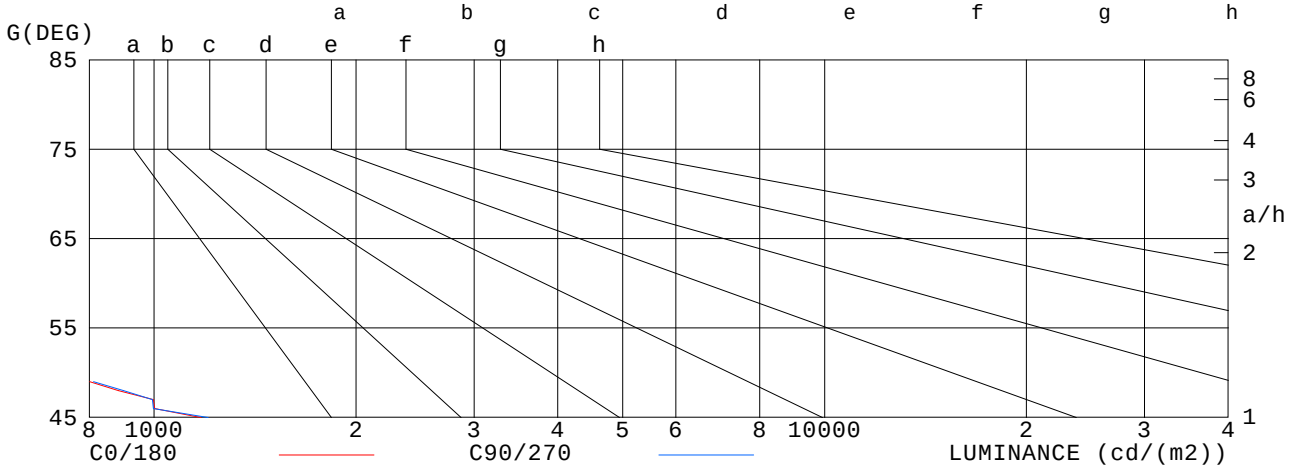
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: Havit Lighting	**Address:**	
NAME: HV5843T-2.7K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5843T-2.7K	**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
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	514	518
80	287	291
75	208	210
70	168	172
65	186	187
60	236	232
55	402	396
50	727	732
45	1173	1203

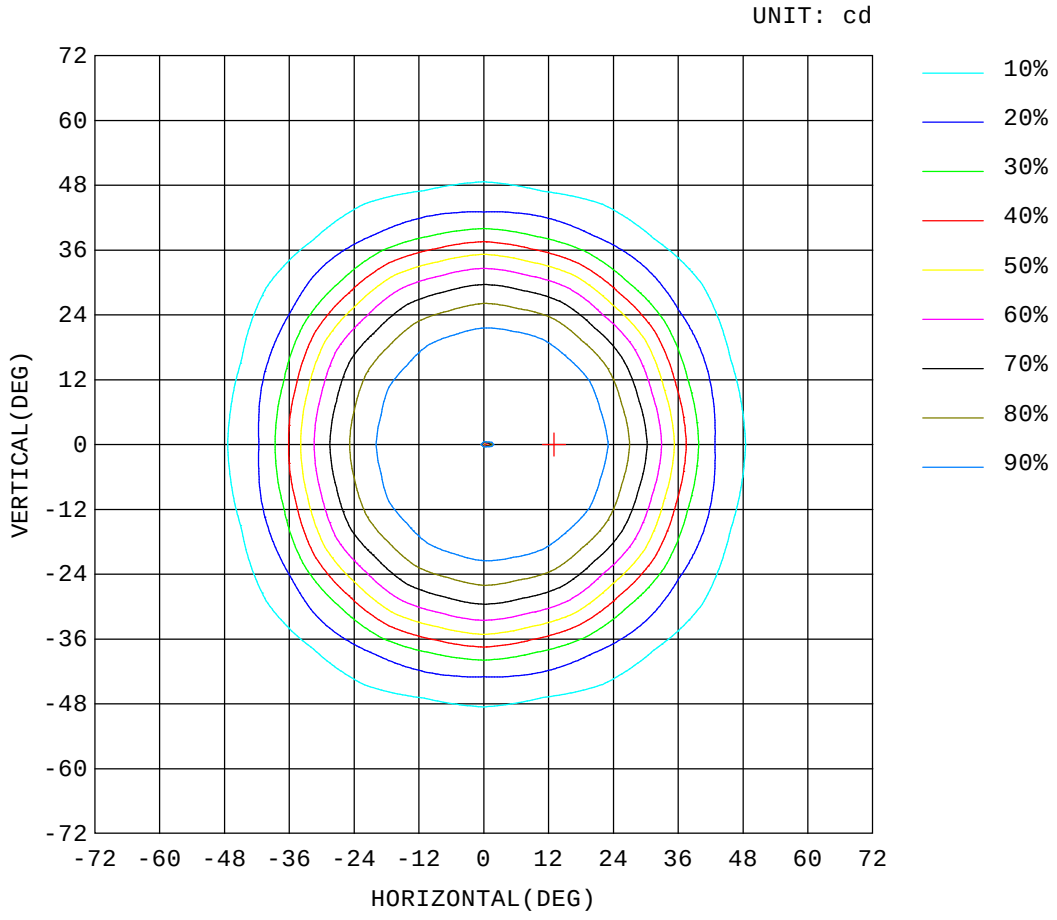
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-2.7K	DIMENSION:	SERIAL No.:2013051602



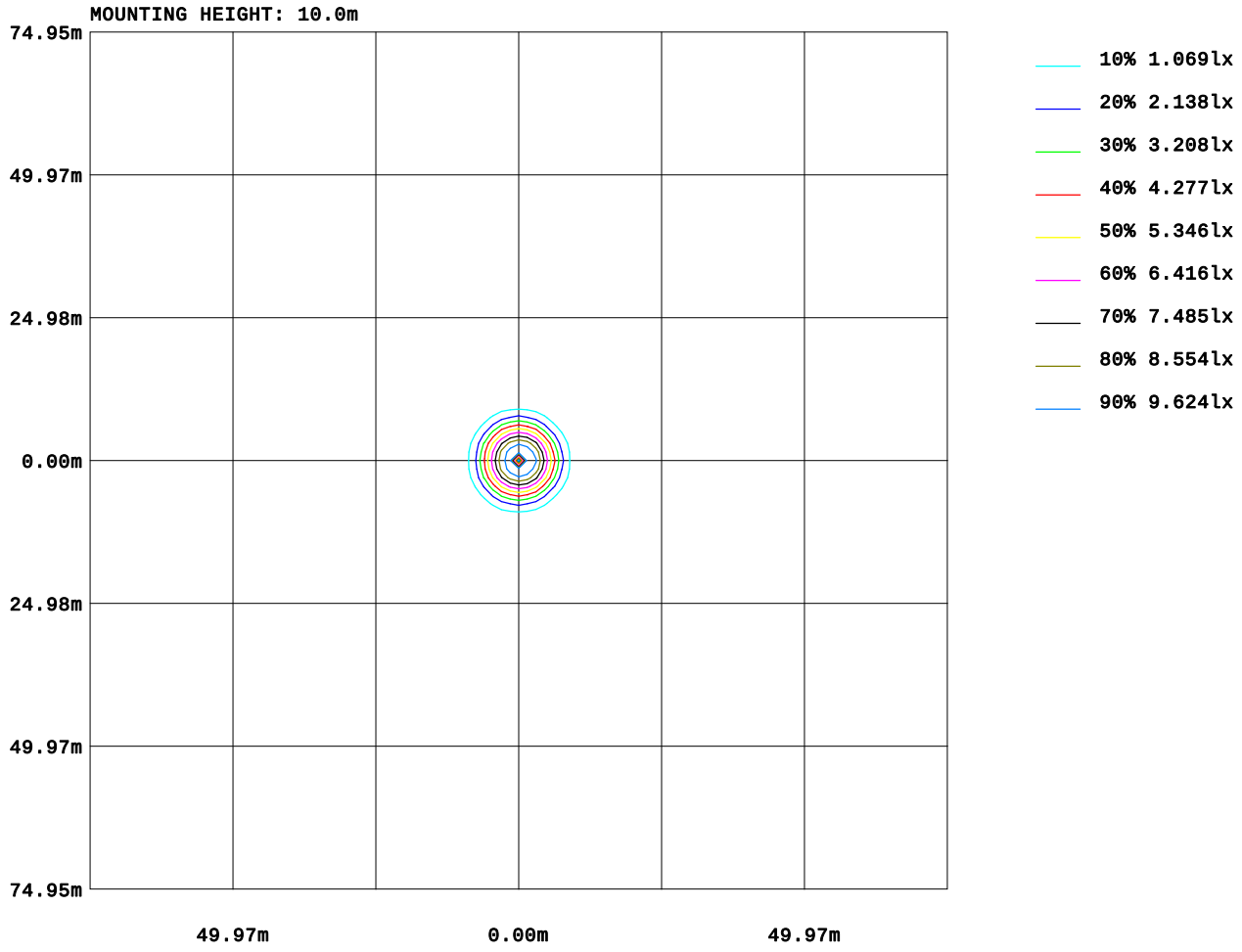
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-2.7K	DIMENSION:	SERIAL No.:2013051602



Test System:HOPOO 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:

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-2.7K	DIMENSION:	SERIAL No.:2013051602

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG) 16	24	32	40	48	56	64	72	F t	F a
72	0.07	0.10	0.12	0.13	0.16	0.20	0.20	0.21	0.24	0.24	0.20	0.20	0.19	0.16	0.13	0.12	0.10	0.06	2.83	0.00
64	0.07	0.10	0.13	0.15	0.21	0.30	0.35	0.39	0.46	0.45	0.38	0.34	0.29	0.20	0.14	0.13	0.10	0.07	4.24	0.00
56	0.07	0.11	0.16	0.22	0.34	0.59	0.89	1.11	1.36	1.36	1.10	0.88	0.58	0.33	0.22	0.15	0.10	0.07	9.65	0.07
48	0.07	0.11	0.21	0.37	0.73	1.45	2.35	3.20	3.84	3.83	3.18	2.33	1.45	0.73	0.37	0.21	0.11	0.07	24.6	17.5
40	0.07	0.13	0.28	0.70	1.54	3.18	5.74	8.11	9.67	9.67	8.07	5.68	3.18	1.59	0.72	0.28	0.12	0.07	58.8	54.3
32	0.08	0.15	0.38	1.15	2.81	6.28	10.7	14.0	15.7	15.8	14.3	10.8	6.37	2.96	1.22	0.40	0.15	0.07	104	101
24	0.08	0.18	0.52	1.58	4.59	9.94	14.6	18.0	19.7	19.9	18.5	15.2	10.3	4.89	1.74	0.55	0.18	0.08	141	138
	0.09	0.21	0.67	2.07	6.10	12.2	17.1	20.0	21.0	21.3	20.6	18.0	13.0	6.66	2.35	0.73	0.21	0.09	163	160
	0.10	0.24	0.78	2.39	7.09	13.4	18.1	20.3	20.6	21.0	21.1	19.1	14.4	7.96	2.75	0.87	0.24	0.09	171	169
	0.10	0.24	0.78	2.39	7.09	13.4	18.1	20.3	20.6	21.0	21.1	19.1	14.4	7.96	2.75	0.87	0.24	0.09	171	169
	0.09	0.21	0.67	2.07	6.10	12.2	17.1	20.0	21.0	21.3	20.6	18.0	13.0	6.66	2.35	0.73	0.21	0.09	163	160
-24	0.08	0.18	0.52	1.58	4.59	9.94	14.6	18.0	19.7	19.9	18.5	15.2	10.3	4.89	1.74	0.55	0.18	0.08	141	138
-32	0.08	0.15	0.38	1.15	2.81	6.28	10.7	14.0	15.7	15.8	14.3	10.8	6.37	2.96	1.22	0.40	0.15	0.07	104	101
-40	0.07	0.13	0.28	0.70	1.54	3.18	5.74	8.11	9.67	9.67	8.07	5.68	3.18	1.59	0.72	0.28	0.12	0.07	58.8	54.3
-48	0.07	0.11	0.21	0.37	0.73	1.45	2.35	3.20	3.84	3.83	3.18	2.33	1.45	0.73	0.37	0.21	0.11	0.07	24.6	17.5
-56	0.07	0.11	0.16	0.22	0.34	0.59	0.89	1.11	1.36	1.36	1.10	0.88	0.58	0.33	0.22	0.15	0.10	0.07	9.65	0.07
-64	0.07	0.10	0.13	0.15	0.21	0.30	0.35	0.39	0.46	0.45	0.38	0.34	0.29	0.20	0.14	0.13	0.10	0.07	4.24	0.00
-72	0.07	0.10	0.12	0.13	0.16	0.20	0.20	0.21	0.24	0.24	0.20	0.20	0.19	0.16	0.13	0.12	0.10	0.06	2.83	0.00
F t	1.37	2.62	6.49	17.5	47.1	95.3	141	171	186	188	175	146	100	51.0	19.3	6.86	2.61	1.32	1371	
F a	0.00	0.00	0.00	10.1	42.1	90.7	136	167	182	183	171	142	95.5	46.2	12.8	0.00	0.00	0.00		1281

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

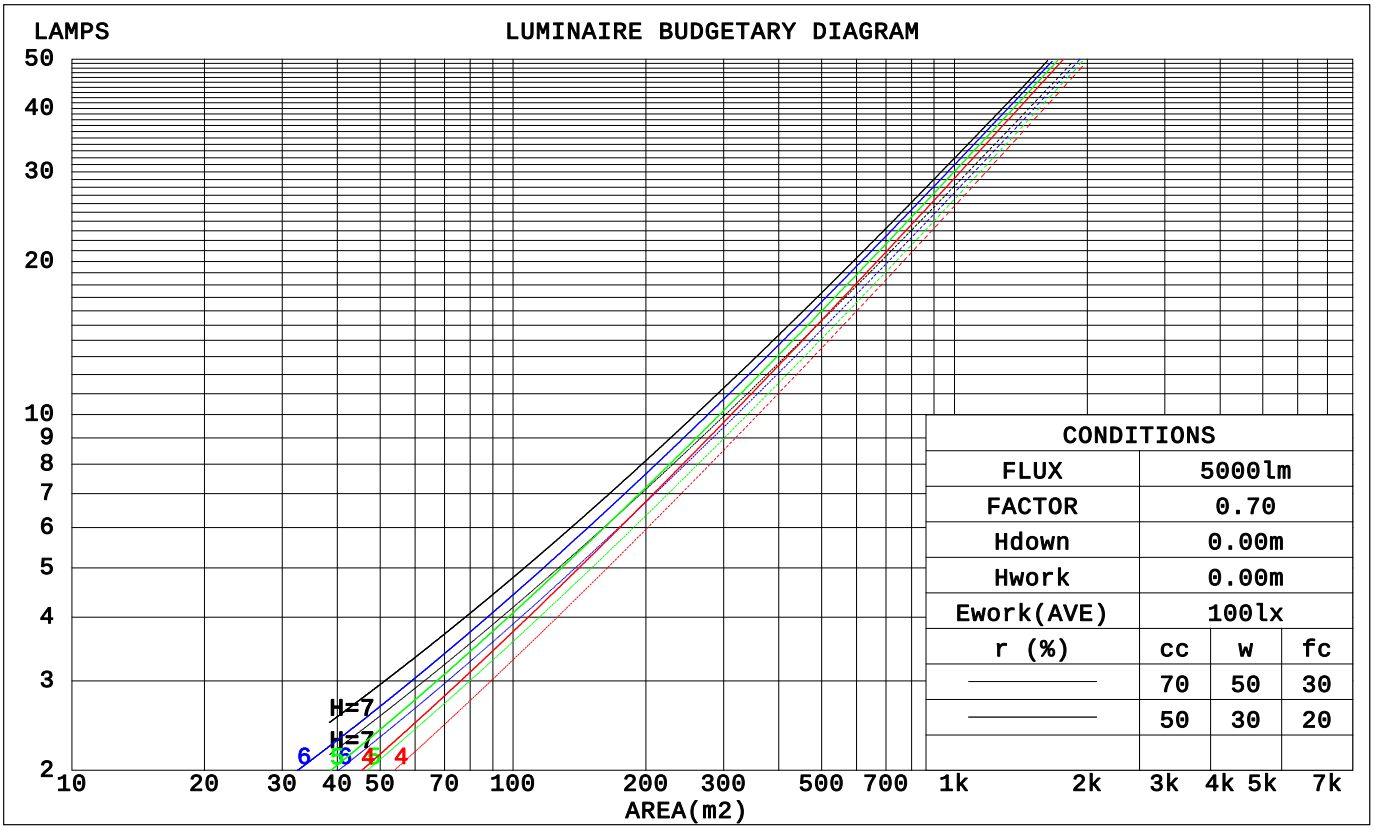
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-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			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	1.04	1.07	1.05	1.03	1.03	1.01	.99	.99	.98	.96	.96	.95	.94	.92
2.0	1.01	.96	.93	.99	.95	.91	.96	.92	.89	.93	.90	.87	.90	.88	.86	.84
3.0	.93	.88	.83	.92	.87	.82	.89	.85	.81	.86	.83	.80	.84	.81	.79	.77
4.0	.86	.80	.75	.85	.79	.75	.83	.78	.74	.81	.76	.73	.79	.75	.72	.71
5.0	.80	.73	.69	.79	.73	.68	.77	.72	.68	.75	.71	.67	.74	.70	.66	.65
6.0	.74	.68	.63	.73	.67	.63	.72	.66	.62	.70	.66	.62	.69	.65	.61	.60
7.0	.69	.63	.58	.69	.62	.58	.67	.62	.57	.66	.61	.57	.65	.60	.57	.55
8.0	.65	.58	.54	.64	.58	.54	.63	.57	.53	.62	.57	.53	.61	.56	.53	.51
9.0	.61	.54	.50	.60	.54	.50	.59	.53	.50	.58	.53	.49	.57	.53	.49	.48
10.0	.57	.51	.46	.56	.50	.46	.56	.50	.46	.55	.50	.46	.54	.49	.46	.44



Test System:HOPOO 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:

WEC AND CCEC

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-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 Coeffcients(WEC)									
0.0																
1.0	.202	.115	.036	.195	.111	.035	.182	.105	.033	.171	.098	.032	.160	.093	.030	
2.0	.192	.105	.032	.186	.103	.032	.175	.098	.030	.166	.093	.029	.156	.088	.028	
3.0	.182	.097	.029	.177	.095	.029	.168	.091	.028	.159	.087	.027	.151	.084	.026	
4.0	.173	.090	.026	.169	.088	.026	.161	.085	.025	.153	.082	.025	.146	.079	.024	
5.0	.164	.084	.024	.161	.082	.024	.154	.080	.024	.147	.078	.023	.141	.075	.023	
6.0	.156	.078	.022	.153	.077	.022	.147	.075	.022	.141	.073	.022	.135	.071	.021	
7.0	.149	.074	.021	.146	.073	.021	.140	.071	.020	.135	.069	.020	.130	.068	.020	
8.0	.142	.069	.020	.140	.069	.019	.135	.067	.019	.130	.066	.019	.125	.064	.019	
9.0	.136	.066	.018	.133	.065	.018	.129	.064	.018	.125	.063	.018	.121	.061	.018	
10.0	.130	.062	.017	.128	.062	.017	.124	.061	.017	.120	.060	.017	.116	.058	.017	

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	.173	.157	.143	.148	.135	.123	.101	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.159	.132	.110	.136	.114	.095	.093	.079	.066	.054	.046	.039	.017	.015	.013	
3.0	.148	.114	.087	.127	.098	.075	.087	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.138	.099	.070	.118	.086	.061	.081	.060	.043	.047	.035	.025	.015	.011	.008	
5.0	.130	.088	.057	.112	.076	.050	.077	.053	.035	.045	.031	.021	.014	.010	.007	
6.0	.123	.079	.047	.106	.068	.041	.073	.048	.029	.042	.028	.017	.014	.009	.006	
7.0	.117	.072	.040	.100	.062	.035	.069	.043	.025	.040	.026	.015	.013	.008	.005	
8.0	.111	.066	.034	.096	.057	.030	.066	.040	.021	.038	.024	.013	.012	.008	.004	
9.0	.106	.060	.030	.091	.052	.026	.063	.037	.018	.037	.022	.011	.012	.007	.004	
10.0	.101	.056	.026	.087	.049	.023	.061	.034	.016	.035	.020	.010	.011	.007	.003	

Test System:HOPOO 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:

Uncorrected UGR Table

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-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	9.4	10.4	9.6	10.6	10.8	9.3	10.4	9.6	10.6	10.8
3H	9.3	10.2	9.5	10.5	10.7	9.2	10.2	9.5	10.4	10.6
4H	9.3	10.2	9.5	10.4	10.6	9.2	10.2	9.5	10.4	10.6
6H	9.3	10.2	9.6	10.4	10.7	9.3	10.1	9.6	10.4	10.6
8H	9.4	10.2	9.7	10.5	10.7	9.4	10.2	9.7	10.4	10.7
12H	9.5	10.3	9.8	10.6	10.8	9.5	10.3	9.8	10.5	10.8
4H 2H	9.2	10.1	9.4	10.3	10.5	9.1	10.1	9.4	10.3	10.5
3H	9.1	9.9	9.4	10.2	10.5	9.1	9.9	9.4	10.1	10.4
4H	9.1	9.9	9.5	10.2	10.5	9.1	9.8	9.5	10.1	10.5
6H	9.3	9.9	9.7	10.2	10.6	9.3	9.9	9.6	10.2	10.6
8H	9.4	10.0	9.8	10.3	10.7	9.4	10.0	9.8	10.3	10.7
12H	9.6	10.2	10.0	10.5	10.9	9.6	10.2	10.0	10.5	10.9
8H 4H	9.1	9.7	9.5	10.0	10.4	9.1	9.6	9.5	10.0	10.4
6H	9.3	9.8	9.8	10.2	10.6	9.3	9.8	9.7	10.2	10.6
8H	9.6	10.0	10.0	10.4	10.8	9.5	10.0	10.0	10.4	10.8
12H	9.9	10.3	10.4	10.7	11.2	9.9	10.3	10.4	10.7	11.2
12H 4H	9.1	9.6	9.5	10.0	10.4	9.0	9.6	9.4	9.9	10.3
6H	9.3	9.8	9.8	10.2	10.6	9.3	9.8	9.8	10.2	10.6
8H	9.6	10.0	10.1	10.4	10.9	9.6	10.0	10.1	10.4	10.9
Variations with the observer position at spacings:										
S = 1.0H	+ 2.4 / - 3.7					+ 2.4 / - 3.7				
1.5H	+ 3.9 / - 3.4					+ 3.9 / - 3.4				
2.0H	+ 3.7 / - 1.9					+ 3.8 / - 2.0				

CIE Pub.117 Corrected 1371 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.1)

Test System:HOPOO 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:

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-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) x RCR = 5									
k = 0.60	82	75	70	81	74	70	80	74	70	66
0.80	90	83	79	89	83	79	88	82	78	74
1.00	96	89	85	95	89	85	93	89	84	80
1.25	100	94	90	99	94	90	97	92	89	84
1.50	103	98	94	102	97	93	100	95	92	87
2.00	107	102	98	105	101	97	102	99	96	90
2.50	109	104	101	107	103	100	104	100	98	92
3.00	110	106	103	108	105	102	105	102	100	93
4.00	113	109	107	110	108	105	107	104	103	95
5.00	114	111	109	112	109	107	108	106	104	96
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

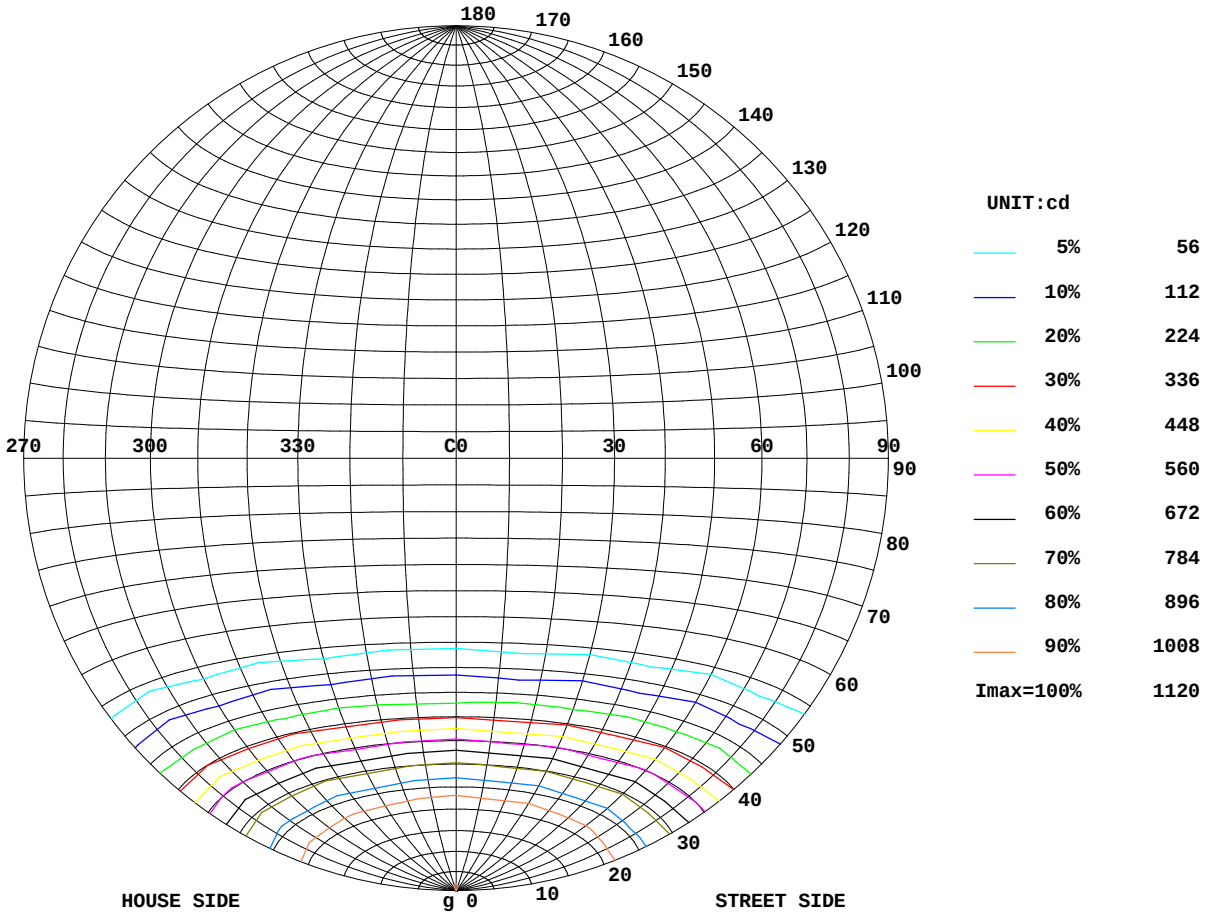
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-2.7K	DIMENSION:	SERIAL No.:2013051602



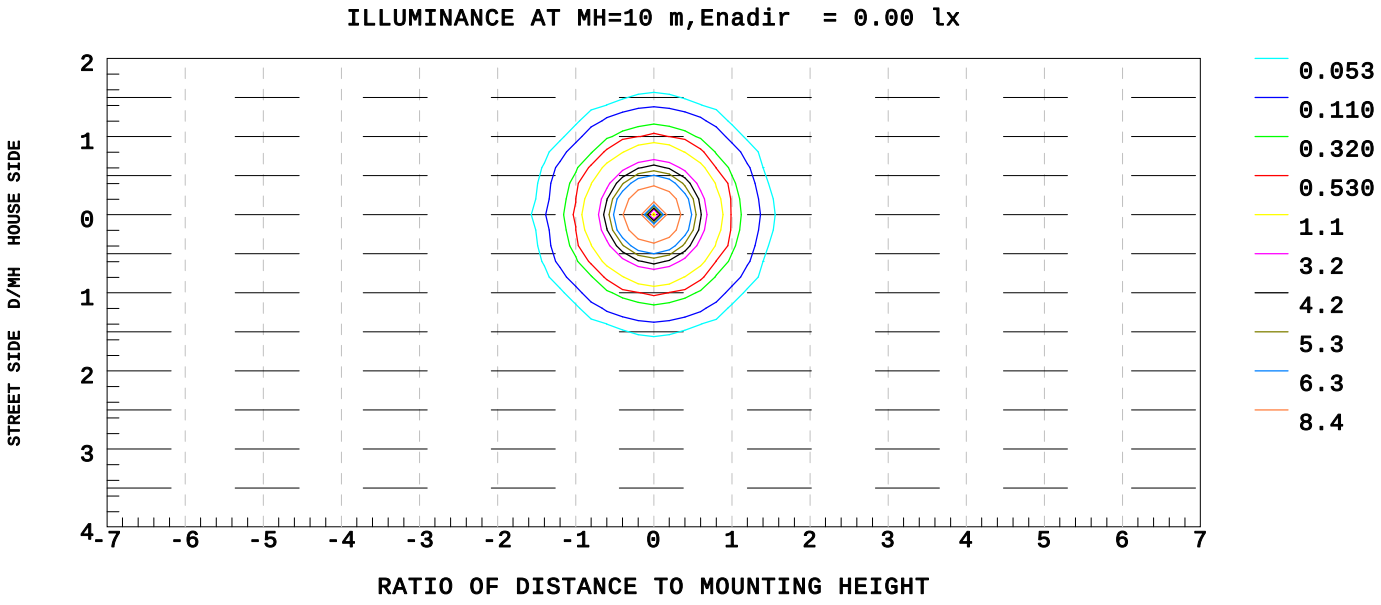
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

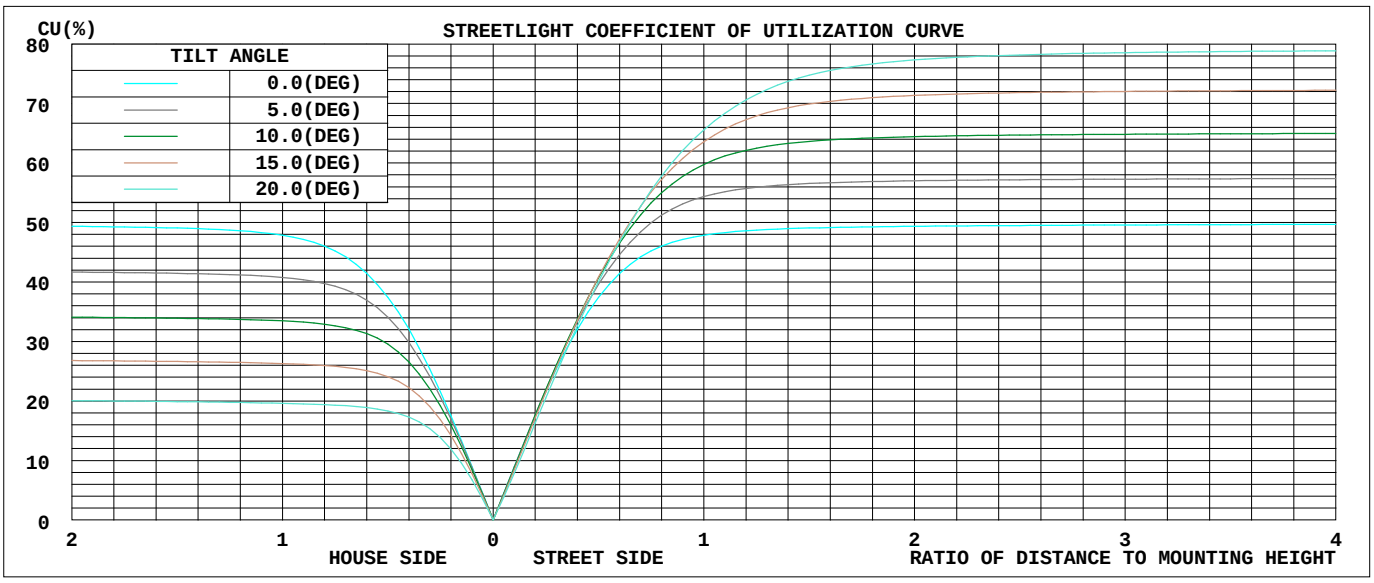
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-2.7K	DIMENSION:	SERIAL No.:2013051602





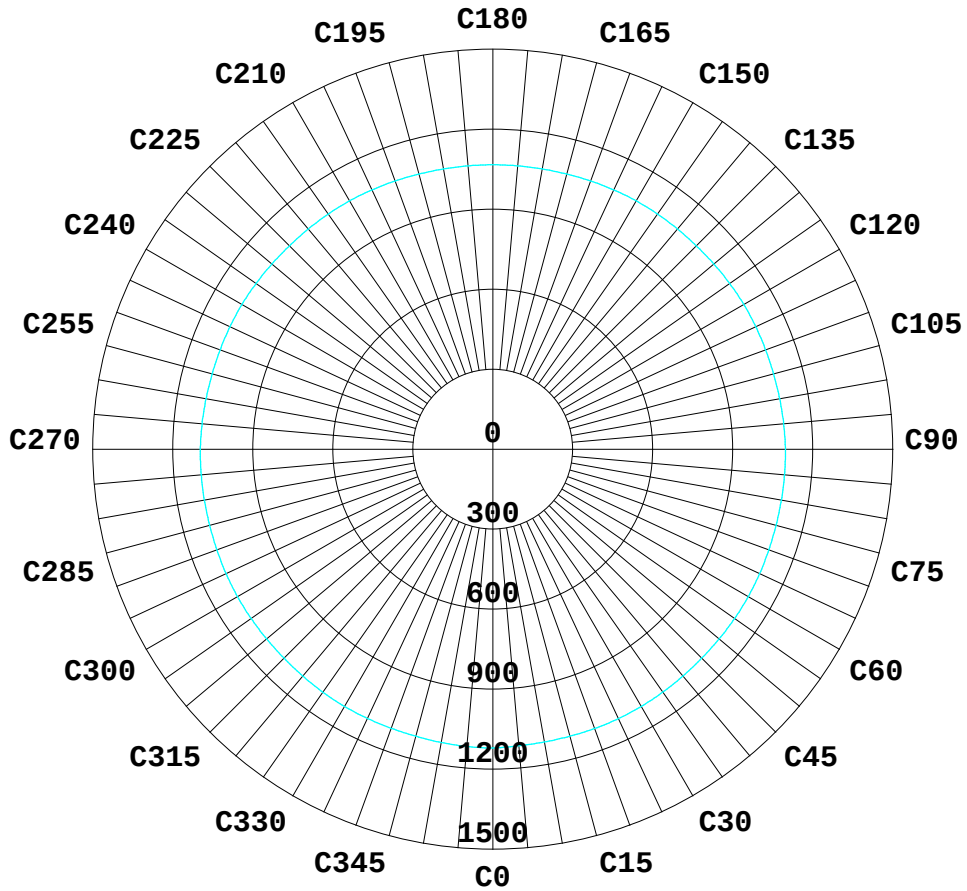
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-2.7K	DIMENSION:	SERIAL No.:2013051602



HOUSE SIDE Max @ g = 13.0DEG STREET SIDE

Test System:HOPOO 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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: Havit Lighting	**Address:**	
NAME: HV5843T-2.7K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5843T-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	0.45	1067	1066	1063	1062	1059	1059	1056	1056	1053	1053	1050	1050	1050	1053
5.0	1088	1084	1082	1079	1077	1073	1070	1066	1064	1060	1057	1053	1051	1053	1057
10.0	1113	1107	1107	1102	1099	1094	1091	1085	1082	1076	1073	1067	1065	1067	1073
15.0	1117	1110	1111	1104	1102	1095	1092	1084	1082	1073	1070	1062	1061	1062	1070
20.0	1070	1057	1063	1049	1052	1037	1040	1025	1028	1013	1017	1003	1007	1003	1017
25.0	957	945	949	936	938	925	926	912	913	899	902	889	892	889	902
30.0	794	776	782	763	775	761	769	754	756	737	743	722	725	722	743
35.0	578	547	566	537	565	545	570	544	561	529	540	501	509	501	540
40.0	328	311	325	310	327	317	334	321	333	310	311	281	281	281	311
45.0	166	159	168	161	169	161	170	163	170	158	138	142	136	142	138
50.0	93.4	82.7	94.1	83.0	93.6	82.7	94.1	84.0	94.7	82.0	89.7	76.0	82.9	76.0	89.7
55.0	46.1	40.0	45.7	39.4	45.2	39.3	45.3	39.7	45.5	39.1	44.2	37.7	42.3	37.7	44.2
60.0	23.6	20.1	23.6	19.3	22.9	19.3	23.2	20.1	23.8	19.8	23.4	19.7	23.2	19.7	23.4
65.0	15.6	12.7	15.7	12.6	15.4	12.6	15.8	13.0	16.0	13.0	15.8	12.9	15.8	12.9	15.8
70.0	11.5	9.28	11.5	9.28	11.6	9.40	11.7	9.59	11.9	9.72	12.0	9.66	11.9	9.66	12.0
75.0	10.7	8.83	10.7	8.83	10.8	8.89	10.8	9.08	11.0	9.21	11.2	9.21	11.1	9.21	11.2
80.0	9.98	8.32	10.0	8.32	10.0	8.38	10.1	8.51	10.3	8.63	10.3	8.63	10.3	8.63	10.3
85.0	8.96	7.42	8.89	7.48	8.96	7.55	9.02	7.61	9.15	7.74	9.21	7.74	9.15	7.74	9.21
90.0	7.68	6.78	7.74	6.84	7.80	6.91	7.80	6.91	7.87	6.97	7.87	6.91	7.80	6.91	7.87

Test System:HOPOO 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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: Havit Lighting	**Address:**	
NAME: HV5843T-2.7K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5843T-2.7K	**DIMENSION:**	**SERIAL No.:2013051602**

UNIT: cd

C(DEG) / g (DEG)	225	240	255	270	285	300	315	330	345
0.0	1053	1056	1056	1059	1059	1062	1063	1066	1067
5.0	1060	1064	1066	1070	1073	1077	1079	1082	1084
10.0	1076	1082	1085	1091	1094	1099	1102	1107	1107
15.0	1073	1082	1084	1092	1095	1102	1104	1111	1110
20.0	1013	1028	1025	1040	1037	1052	1049	1063	1057
25.0	899	913	912	926	925	938	936	949	945
30.0	737	756	754	769	761	775	763	782	776
35.0	529	561	544	570	545	565	537	566	547
40.0	310	333	321	334	317	327	310	325	311
45.0	158	170	163	170	161	169	161	168	159
50.0	82.0	94.7	84.0	94.1	82.7	93.6	83.0	94.1	82.7
55.0	39.1	45.5	39.7	45.3	39.3	45.2	39.4	45.7	40.0
60.0	19.8	23.8	20.1	23.2	19.3	22.9	19.3	23.6	20.1
65.0	13.0	16.0	13.0	15.8	12.6	15.4	12.6	15.7	12.7
70.0	9.72	11.9	9.59	11.7	9.40	11.6	9.28	11.5	9.28
75.0	9.21	11.0	9.08	10.8	8.89	10.8	8.83	10.7	8.83
80.0	8.63	10.3	8.51	10.1	8.38	10.0	8.32	10.0	8.32
85.0	7.74	9.15	7.61	9.02	7.55	8.96	7.48	8.89	7.42
90.0	6.97	7.87	6.91	7.80	6.91	7.80	6.84	7.74	6.78

Test System:HOPOO 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: