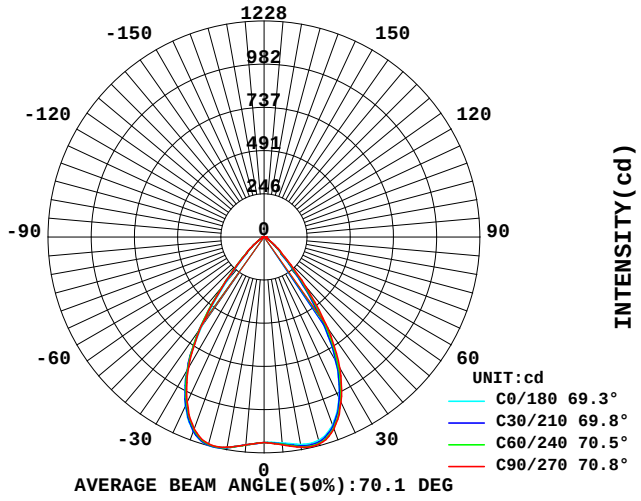
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-4K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-4K	DIMENSION:	SERIAL No.:2013051602

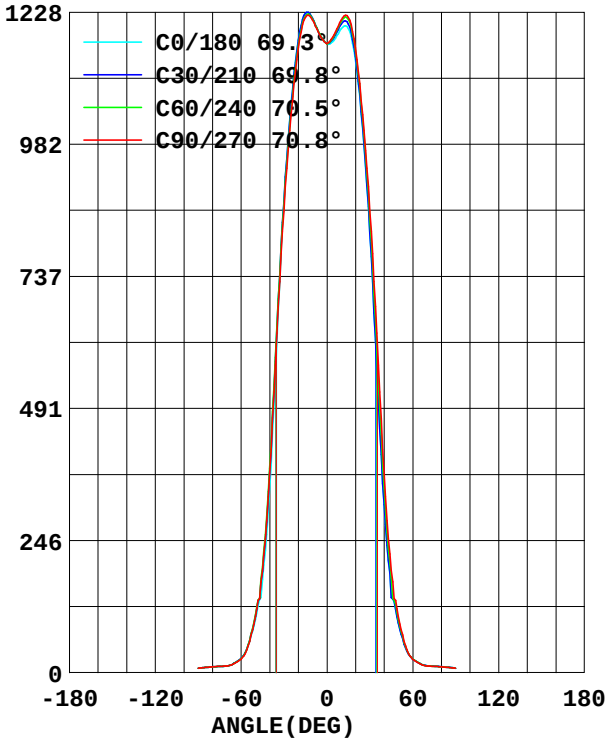
DATA OF LAMP		Imax(cd)	1228	S/MH(C0/180)	1.03
MODEL	HV5843T-4K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.04
NOMINAL POWER(W)	18	TOTAL FLUX(lm)	1518.8	Voltage(V)	229.5
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	87.6	Current(A)	0.078
NOMINAL FLUX(lm)	1518.9	h up(%)	0.0	Power(W)	17.34
LAMPS QUANTITY	1	h down(%)	100.0	Power Factor(PF)	0.962
TEST VOLTAGE(V)	229.5	Effictive Flux(lm)	1420.1	EEI	0.166

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):70.1 DEG

LUMINOUS INTENSITY DISTRIBUTION



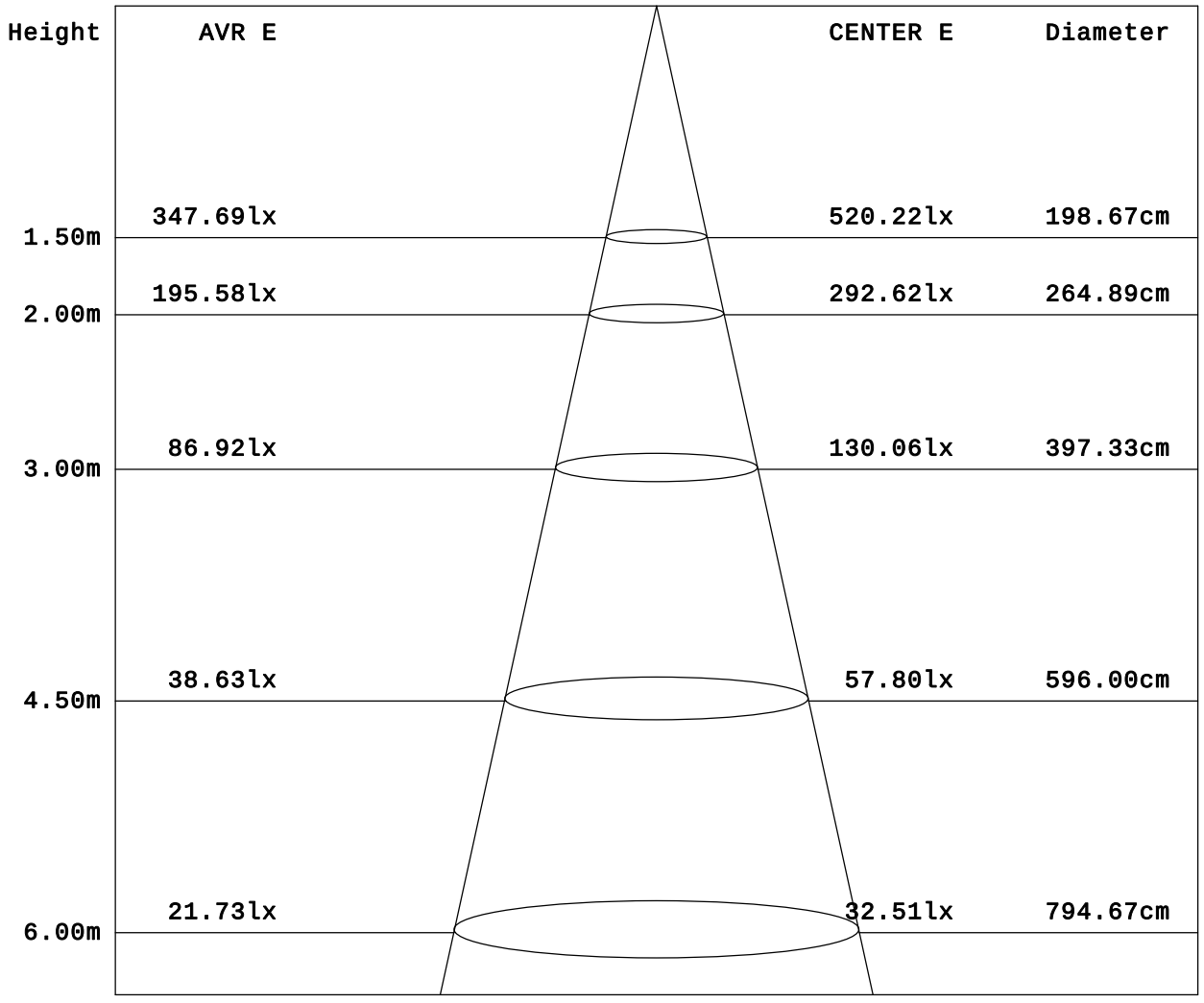
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-4K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-4K	DIMENSION:	SERIAL No.:2013051602



Angle:67.0deg

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-4K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-4K	DIMENSION:	SERIAL No.:2013051602

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	Total
5.0	1185	1188	1185	1184	1176	1184	1185	1188	0- 5	28.14	28.14
10.0	1216	1215	1214	1209	1197	1209	1214	1215	5- 10	85.80	113.9
15.0	1225	1221	1218	1207	1197	1207	1218	1221	10- 15	144.3	258.3
20.0	1177	1163	1162	1139	1140	1139	1162	1163	15- 20	196.2	454.5
25.0	1059	1042	1037	1007	1009	1007	1037	1042	20- 25	229.8	684.4
30.0	872.1	864.1	858.8	809.5	814.9	809.5	858.8	864.1	25- 30	238.0	922.4
35.0	617.0	620.7	631.3	547.7	564.8	547.7	631.3	620.7	30- 35	213.7	1136
40.0	340.6	361.9	369.3	304.6	310.4	304.6	369.3	361.9	35- 40	154.6	1291
45.0	172.8	186.1	190.2	156.7	139.7	156.7	190.2	186.1	40- 45	93.50	1384
50.0	99.13	95.61	104.7	82.62	92.28	82.62	104.7	95.61	45- 50	52.60	1437
55.0	50.04	45.43	49.66	39.68	46.59	39.68	49.66	45.43	50- 55	29.88	1467
60.0	25.72	22.46	24.89	21.50	25.21	21.50	24.89	22.46	55- 60	15.10	1482
65.0	16.83	14.27	16.64	13.82	16.96	13.82	16.64	14.27	60- 65	9.357	1491
70.0	12.41	10.11	12.35	10.36	12.79	10.36	12.35	10.11	65- 70	6.516	1498
75.0	11.58	9.599	11.64	9.920	11.96	9.920	11.64	9.599	70- 75	5.747	1504
80.0	10.75	9.023	10.81	9.280	11.07	9.280	10.81	9.023	75- 80	5.563	1509
85.0	9.535	8.000	9.599	8.191	9.792	8.191	9.599	8.000	80- 85	5.134	1514
90.0	8.127	7.232	8.256	7.360	8.320	7.360	8.256	7.232	85- 90	4.562	1519
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:

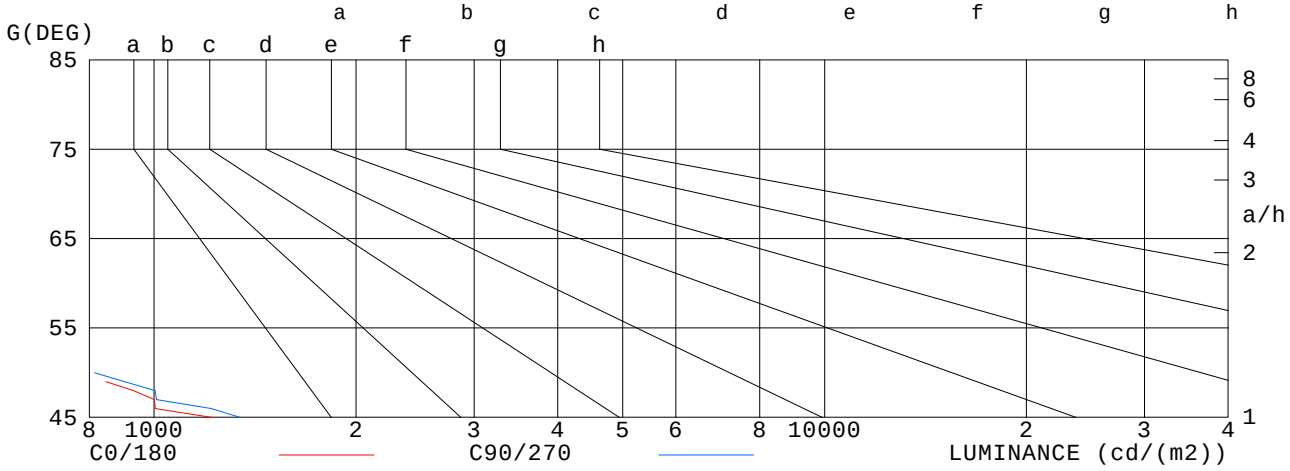
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: Havit Lighting	**Address:**	
NAME: HV5843T-4K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5843T-4K	**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	547	551
80	310	311
75	224	225
70	182	181
65	199	197
60	257	249
55	436	433
50	771	814
45	1222	1345

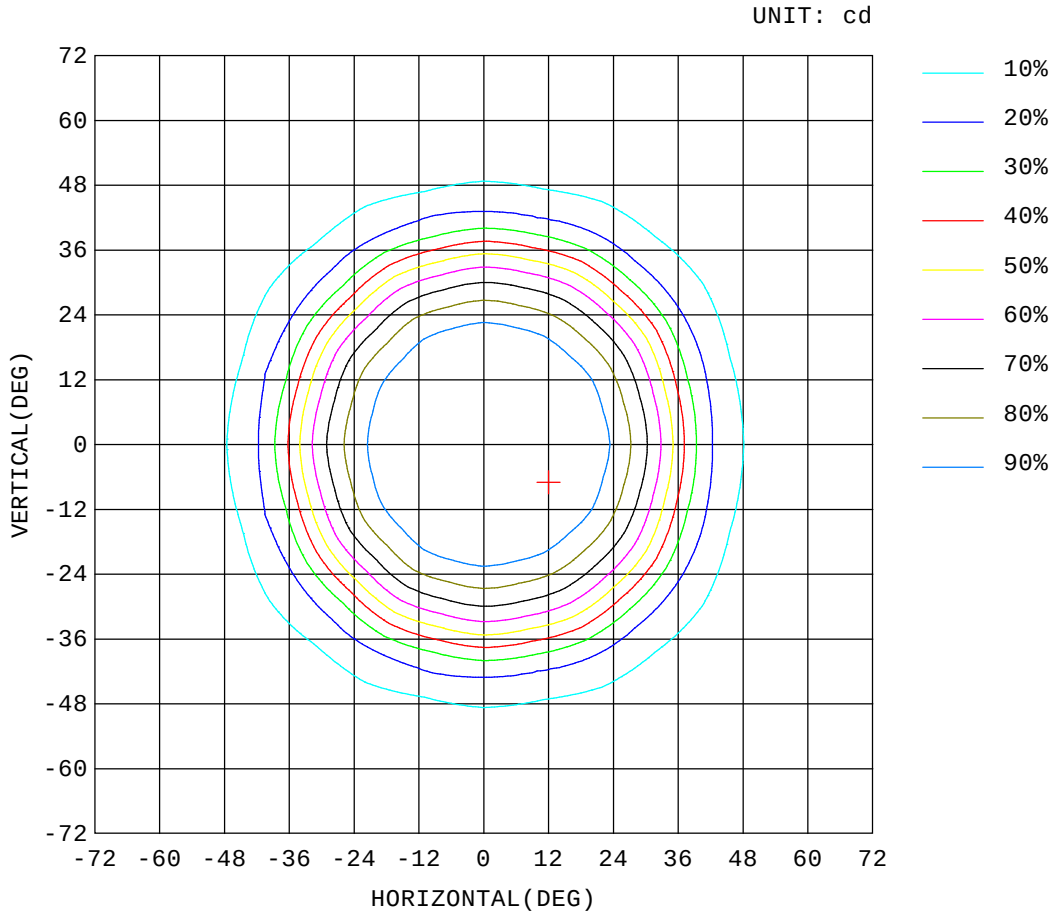
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-4K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-4K	DIMENSION:	SERIAL No.:2013051602



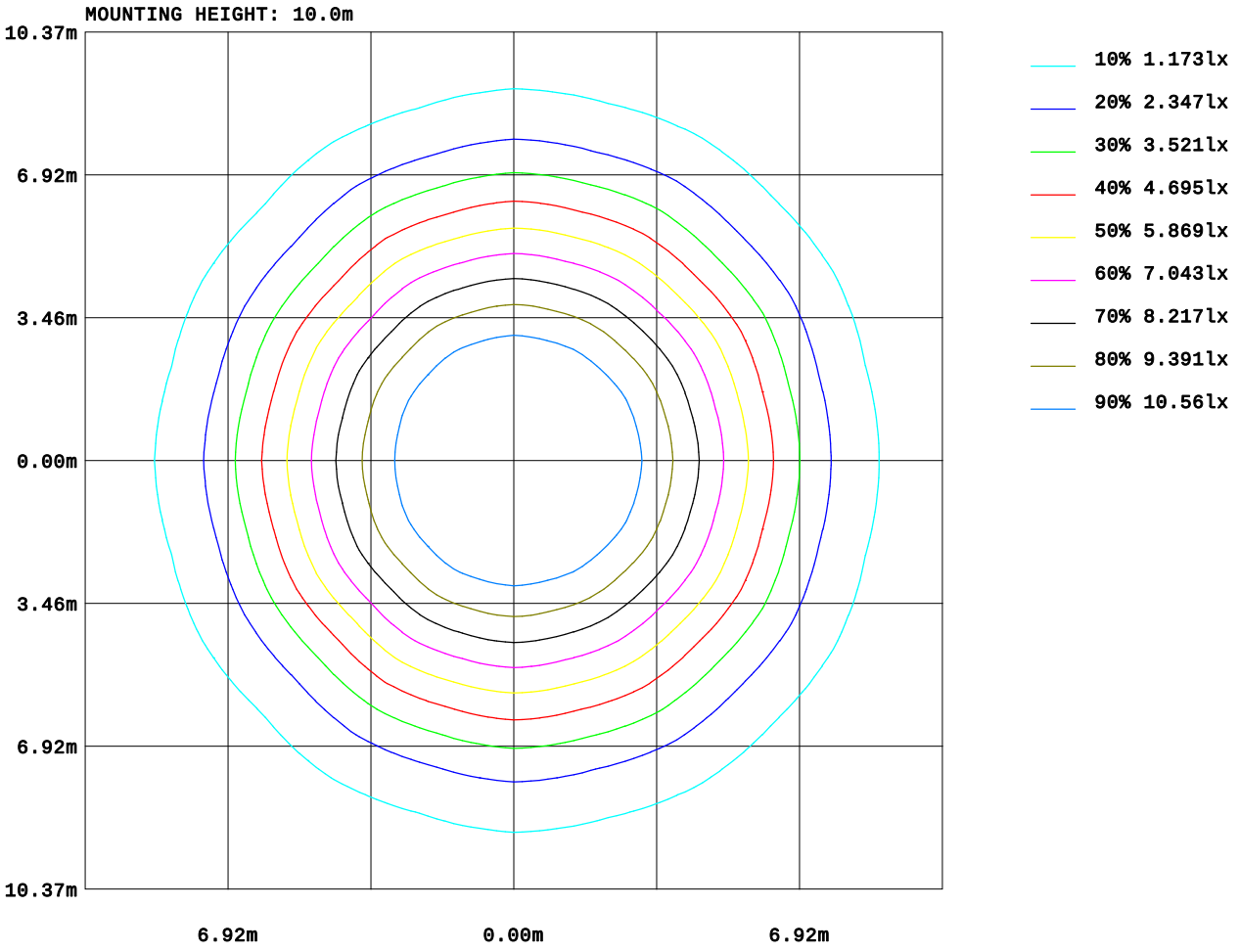
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-4K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-4K	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-4K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-4K	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	0.11	0.13	0.14	0.17	0.21	0.22	0.22	0.26	0.26	0.22	0.21	0.21	0.17	0.14	0.13	0.10	0.07	3.03	0.00
64	0.07	0.11	0.14	0.16	0.22	0.32	0.37	0.41	0.49	0.49	0.41	0.37	0.32	0.22	0.16	0.14	0.11	0.07	4.58	0.00
56	0.07	0.11	0.17	0.24	0.36	0.62	0.94	1.20	1.50	1.52	1.26	1.00	0.66	0.38	0.25	0.16	0.11	0.07	10.6	0.19
48	0.08	0.12	0.22	0.39	0.74	1.48	2.44	3.47	4.24	4.30	3.64	2.69	1.66	0.84	0.42	0.23	0.12	0.07	27.1	19.4
40	0.08	0.13	0.29	0.72	1.56	3.17	5.92	8.69	10.6	10.8	9.20	6.58	3.68	1.81	0.81	0.31	0.13	0.07	64.6	59.6
32	0.08	0.16	0.40	1.20	2.82	6.32	11.4	15.6	17.6	17.7	16.1	12.4	7.35	3.36	1.35	0.44	0.16	0.08	115	111
24	0.09	0.19	0.56	1.68	4.72	10.5	16.3	20.3	22.1	22.1	20.6	17.1	11.7	5.48	1.94	0.61	0.20	0.09	157	154
	0.10	0.23	0.73	2.28	6.46	13.5	19.3	22.5	23.5	23.6	22.8	20.0	14.6	7.33	2.55	0.80	0.23	0.09	181	178
	0.10	0.26	0.86	2.62	7.76	15.0	20.4	22.9	23.0	23.1	23.2	21.1	16.0	8.58	2.89	0.93	0.26	0.10	190	187
	0.10	0.26	0.86	2.62	7.76	15.0	20.4	22.9	23.0	23.1	23.2	21.1	16.0	8.58	2.89	0.93	0.26	0.10	190	187
	0.10	0.23	0.73	2.28	6.46	13.5	19.3	22.5	23.5	23.6	22.8	20.0	14.6	7.33	2.55	0.80	0.23	0.09	181	178
-24	0.09	0.19	0.56	1.68	4.72	10.5	16.3	20.3	22.1	22.1	20.6	17.1	11.7	5.48	1.94	0.61	0.20	0.09	157	154
-32	0.08	0.16	0.40	1.20	2.82	6.32	11.4	15.6	17.6	17.7	16.1	12.4	7.35	3.36	1.35	0.44	0.16	0.08	115	111
-40	0.08	0.13	0.29	0.72	1.56	3.17	5.92	8.69	10.6	10.8	9.20	6.58	3.68	1.81	0.81	0.31	0.13	0.07	64.6	59.6
-48	0.08	0.12	0.22	0.39	0.74	1.48	2.44	3.47	4.24	4.30	3.64	2.69	1.66	0.84	0.42	0.23	0.12	0.07	27.1	19.4
-56	0.07	0.11	0.17	0.24	0.36	0.62	0.94	1.20	1.50	1.52	1.26	1.00	0.66	0.38	0.25	0.16	0.11	0.07	10.6	0.19
-64	0.07	0.11	0.14	0.16	0.22	0.32	0.37	0.41	0.49	0.49	0.41	0.37	0.32	0.22	0.16	0.14	0.11	0.07	4.58	0.00
-72	0.07	0.11	0.13	0.14	0.17	0.21	0.22	0.22	0.26	0.26	0.22	0.21	0.21	0.17	0.14	0.13	0.10	0.07	3.03	0.00
F t	1.48	2.82	7.00	18.8	49.6	103	155	191	207	208	195	163	113	56.3	21.0	7.50	2.84	1.43	1519	
F a	0.00	0.00	0.00	10.7	44.1	97.3	150	186	203	204	191	159	108	51.0	13.7	0.00	0.00	0.00		1420

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

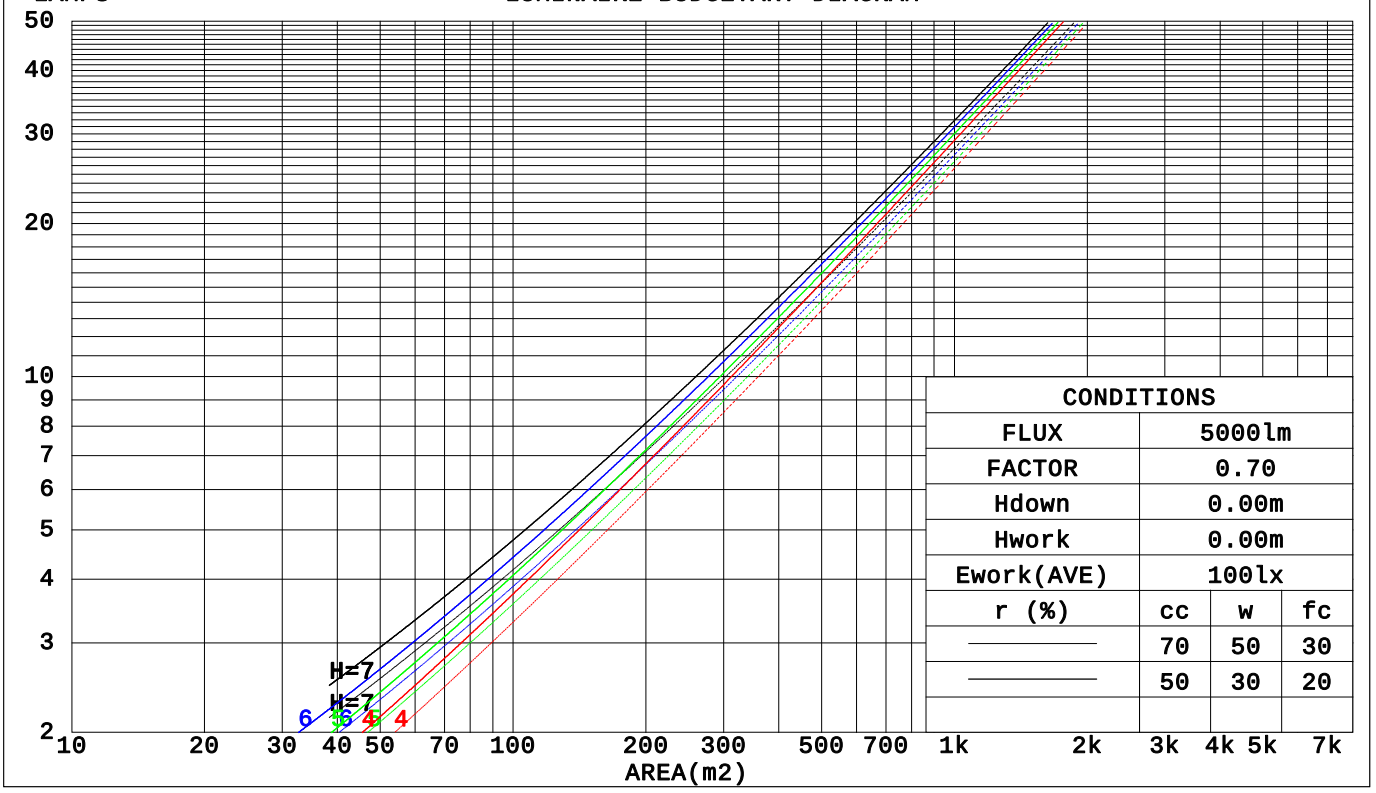
Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-4K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-4K	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	1.00
1.0	1.10	1.07	1.04	1.07	1.05	1.03	1.03	1.01	.99	.00	.98	.96	.96	.95	.94	.92
2.0	1.01	.96	.93	.99	.95	.92	.96	.92	.90	.93	.90	.88	.90	.88	.86	.84
3.0	.93	.88	.83	.92	.87	.83	.89	.85	.81	.87	.83	.80	.84	.81	.79	.77
4.0	.86	.80	.75	.85	.79	.75	.83	.78	.74	.81	.77	.73	.79	.75	.72	.71
5.0	.80	.74	.69	.79	.73	.68	.77	.72	.68	.75	.71	.67	.74	.70	.67	.65
6.0	.74	.68	.63	.74	.67	.63	.72	.67	.62	.71	.66	.62	.69	.65	.62	.60
7.0	.69	.63	.58	.69	.62	.58	.67	.62	.58	.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	.54	.50	.58	.53	.49	.57	.53	.49	.48
10.0	.57	.51	.47	.57	.51	.46	.56	.50	.46	.55	.50	.46	.54	.49	.46	.45

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



CONDITIONS			
FLUX	5000lm		
FACTOR	0.70		
Hdown	0.00m		
Hwork	0.00m		
Ework(AVE)	100lx		
r (%)	cc	w	fc
———	70	50	30
———	50	30	20

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-4K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-4K	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	.201	.114	.036	.194	.111	.035	.182	.104	.033	.170	.098	.031	.159	.092	.030	
2.0	.191	.105	.032	.186	.102	.031	.175	.097	.030	.165	.092	.029	.156	.088	.028	
3.0	.182	.097	.029	.177	.095	.028	.167	.091	.028	.159	.087	.027	.151	.084	.026	
4.0	.172	.090	.026	.168	.088	.026	.160	.085	.025	.153	.082	.025	.146	.079	.024	
5.0	.164	.083	.024	.160	.082	.024	.153	.080	.023	.146	.077	.023	.140	.075	.023	
6.0	.156	.078	.022	.153	.077	.022	.146	.075	.022	.141	.073	.021	.135	.071	.021	
7.0	.149	.073	.021	.146	.073	.021	.140	.071	.020	.135	.069	.020	.130	.068	.020	
8.0	.142	.069	.019	.139	.069	.019	.134	.067	.019	.129	.066	.019	.125	.064	.019	
9.0	.135	.066	.018	.133	.065	.018	.129	.064	.018	.124	.062	.018	.120	.061	.018	
10.0	.130	.062	.017	.127	.062	.017	.123	.060	.017	.120	.059	.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	.147	.114	.087	.126	.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	.111	.076	.050	.077	.053	.035	.044	.031	.021	.014	.010	.007	
6.0	.123	.079	.047	.105	.068	.041	.073	.048	.029	.042	.028	.017	.014	.009	.006	
7.0	.116	.072	.040	.100	.062	.035	.069	.043	.025	.040	.026	.015	.013	.008	.005	
8.0	.111	.065	.034	.095	.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-4K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-4K	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	9.8	10.9	10.0	11.0	11.2	9.9	11.0	10.2	11.2	11.3
3H	9.7	10.7	10.0	10.9	11.1	9.8	10.8	10.1	11.0	11.2
4H	9.7	10.6	10.0	10.8	11.1	9.8	10.7	10.1	10.9	11.2
6H	9.7	10.6	10.0	10.8	11.1	9.8	10.7	10.1	10.9	11.2
8H	9.8	10.6	10.1	10.9	11.1	9.9	10.7	10.2	11.0	11.3
12H	9.9	10.7	10.2	11.0	11.2	10.0	10.8	10.3	11.1	11.3
4H 2H	9.6	10.5	9.9	10.7	11.0	9.7	10.6	10.0	10.9	11.1
3H	9.5	10.3	9.9	10.6	10.9	9.7	10.4	10.0	10.7	11.0
4H	9.6	10.3	9.9	10.6	10.9	9.7	10.4	10.0	10.7	11.0
6H	9.7	10.3	10.1	10.6	11.0	9.8	10.4	10.2	10.8	11.1
8H	9.8	10.4	10.2	10.7	11.1	9.9	10.5	10.3	10.8	11.2
12H	10.0	10.5	10.4	10.9	11.3	10.1	10.6	10.5	11.0	11.4
8H 4H	9.5	10.1	9.9	10.4	10.8	9.6	10.2	10.0	10.5	10.9
6H	9.7	10.2	10.1	10.6	11.0	9.8	10.3	10.3	10.7	11.1
8H	9.9	10.4	10.4	10.8	11.2	10.0	10.5	10.5	10.9	11.3
12H	10.3	10.6	10.7	11.1	11.5	10.4	10.7	10.8	11.2	11.6
12H 4H	9.5	10.0	9.9	10.4	10.8	9.6	10.1	10.0	10.5	10.9
6H	9.7	10.2	10.2	10.6	11.0	9.8	10.3	10.3	10.7	11.1
8H	10.0	10.4	10.5	10.8	11.3	10.1	10.5	10.6	10.9	11.4
Variations with the observer position at spacings:										
S = 1.0H	+ 2.3 / - 3.7					+ 2.3 / - 3.9				
1.5H	+ 3.8 / - 3.3					+ 3.8 / - 3.5				
2.0H	+ 3.4 / - 2.0					+ 3.8 / - 2.2				

CIE Pub.117 Corrected 1519 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.5)

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-4K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-4K	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	82	75	70	81	74	70	66
0.80	90	83	79	90	83	79	88	82	79	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	94	100	96	92	88
2.00	107	102	98	105	101	97	102	99	96	90
2.50	109	104	101	107	103	100	104	101	98	92
3.00	110	106	103	109	105	102	105	102	100	93
4.00	113	109	107	110	108	105	107	105	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	

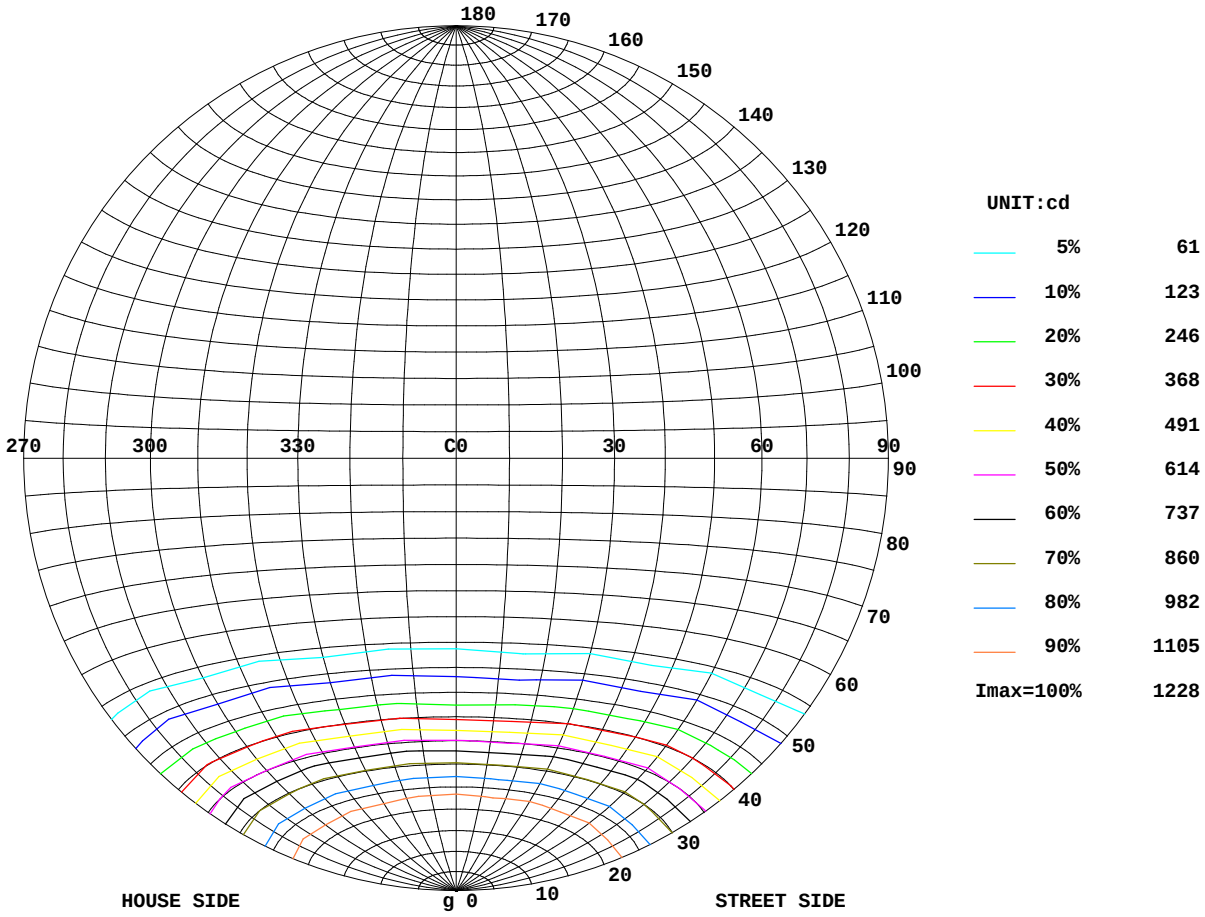
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-4K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-4K	DIMENSION:	SERIAL No.:2013051602



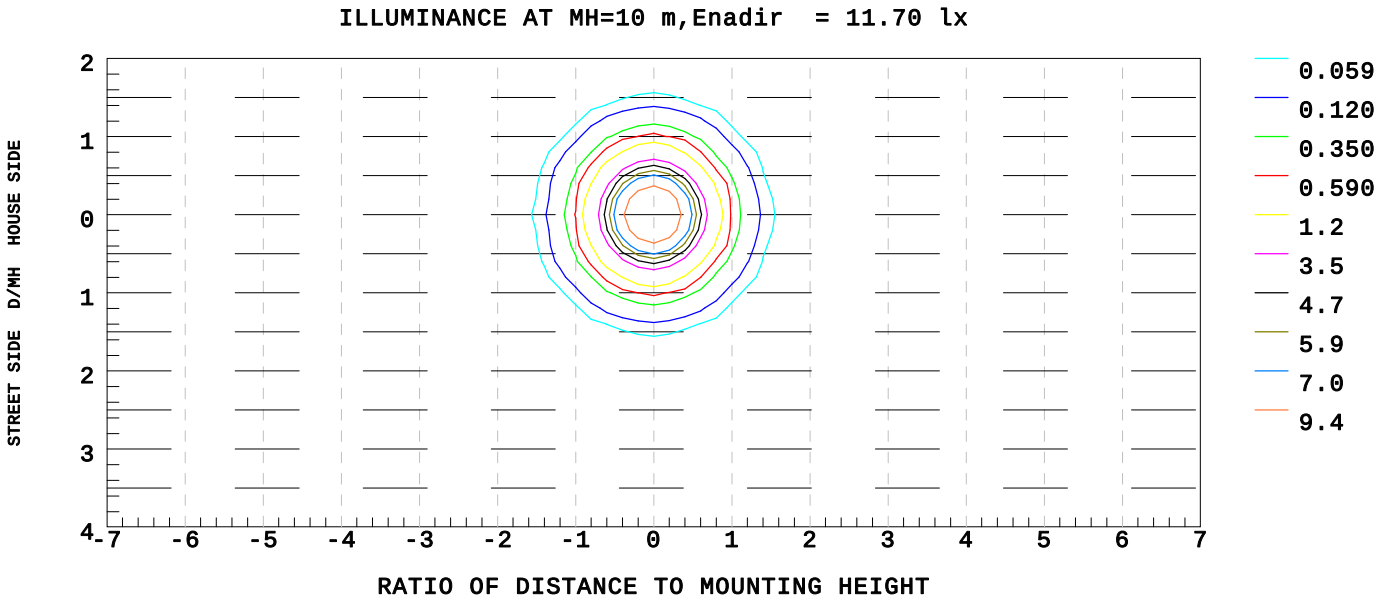
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

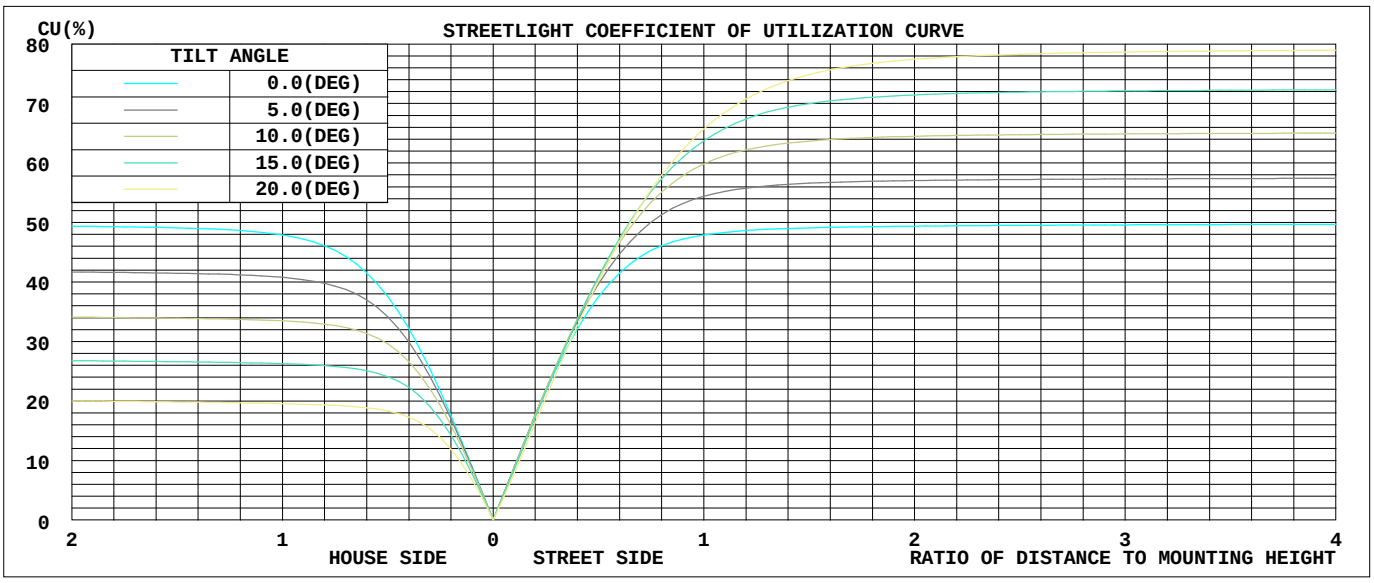
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-4K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-4K	DIMENSION:	SERIAL No.:2013051602





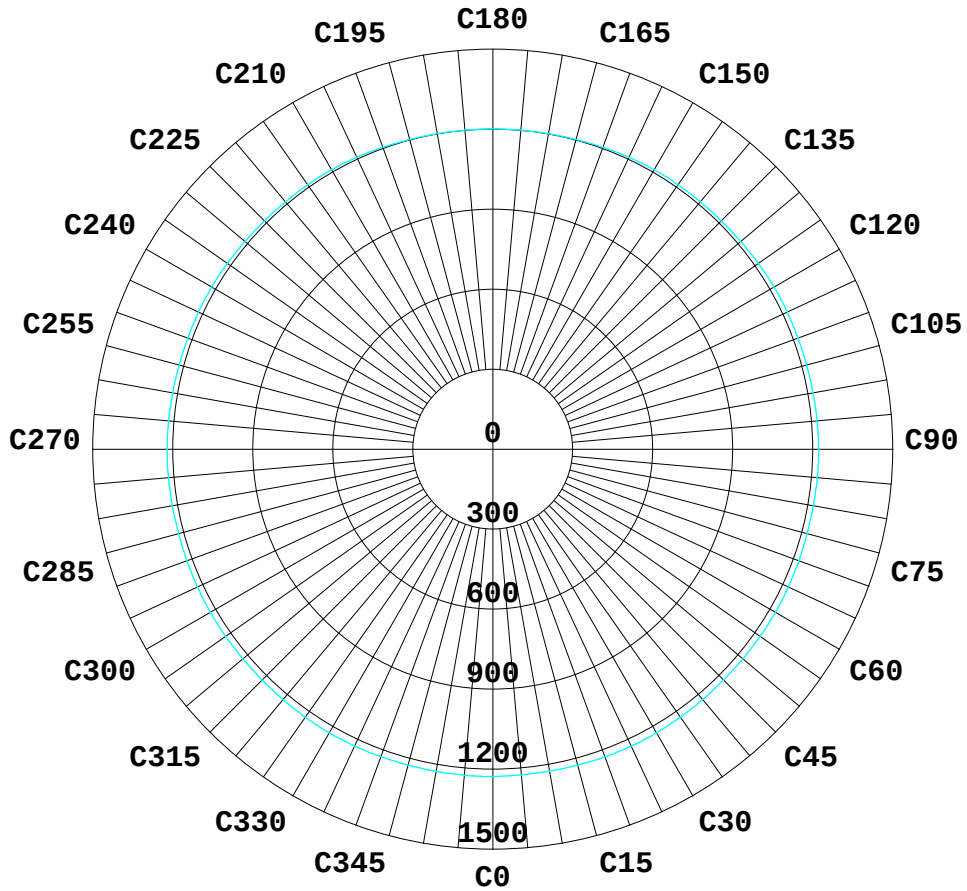
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-4K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-4K	DIMENSION:	SERIAL No.:2013051602



HOUSE SIDE Max @ g = 14.0DEG 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-4K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5843T-4K	**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	1170	1169	1169	1169	1169	1169	1169	1168	1169	1169	1169	1168	1169	1168	1169
5.0	1185	1187	1186	1188	1187	1187	1185	1185	1183	1184	1181	1178	1176	1178	1181
10.0	1216	1215	1217	1215	1215	1214	1214	1212	1211	1209	1206	1201	1197	1201	1206
15.0	1225	1224	1226	1221	1221	1217	1218	1214	1214	1207	1206	1199	1197	1199	1206
20.0	1177	1170	1176	1163	1167	1156	1162	1151	1157	1139	1146	1134	1140	1134	1146
25.0	1059	1049	1055	1042	1045	1032	1037	1026	1029	1007	1013	1002	1009	1002	1013
30.0	872	863	877	864	871	853	859	839	843	810	818	802	815	802	818
35.0	617	604	642	621	646	615	631	593	603	548	566	537	565	537	566
40.0	341	340	369	362	380	362	369	343	343	305	312	296	310	296	312
45.0	173	173	189	186	197	187	190	175	176	157	139	152	140	152	139
50.0	99.1	91.0	105	95.6	108	95.1	105	90.2	98.6	82.6	92.4	81.7	92.2	81.7	92.4
55.0	50.0	44.7	51.7	45.4	51.5	44.6	49.6	43.0	48.0	39.6	45.4	40.2	46.5	40.2	45.4
60.0	25.7	22.0	26.2	22.4	25.6	21.3	24.8	21.2	25.4	21.5	24.8	21.3	25.2	21.3	24.8
65.0	16.8	14.0	17.2	14.2	17.1	13.7	16.6	13.8	17.0	13.8	16.8	14.0	16.9	14.0	16.8
70.0	12.4	10.1	12.4	10.1	12.4	10.1	12.3	10.2	12.6	10.3	12.6	10.4	12.7	10.4	12.6
75.0	11.5	9.59	11.5	9.59	11.5	9.66	11.6	9.79	11.7	9.92	11.8	10.0	11.9	10.0	11.8
80.0	10.7	9.02	10.7	9.02	10.7	9.08	10.8	9.15	10.9	9.28	11.0	9.34	11.0	9.34	11.0
85.0	9.53	8.00	9.53	8.00	9.53	8.06	9.59	8.06	9.66	8.19	9.79	8.32	9.79	8.32	9.79
90.0	8.12	7.23	8.12	7.23	8.19	7.29	8.25	7.36	8.25	7.36	8.32	7.42	8.32	7.42	8.32

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-4K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5843T-4K	**DIMENSION:**	**SERIAL No.:2013051602**

UNIT: cd

C(DEG) / g (DEG)	225	240	255	270	285	300	315	330	345
0.0	1169	1169	1168	1169	1169	1169	1169	1169	1169
5.0	1184	1183	1185	1185	1187	1187	1188	1186	1187
10.0	1209	1211	1212	1214	1214	1215	1215	1217	1215
15.0	1207	1214	1214	1218	1217	1221	1221	1226	1224
20.0	1139	1157	1151	1162	1156	1167	1163	1176	1170
25.0	1007	1029	1026	1037	1032	1045	1042	1055	1049
30.0	810	843	839	859	853	871	864	877	863
35.0	548	603	593	631	615	646	621	642	604
40.0	305	343	343	369	362	380	362	369	340
45.0	157	176	175	190	187	197	186	189	173
50.0	82.6	98.6	90.2	105	95.1	108	95.6	105	91.0
55.0	39.6	48.0	43.0	49.6	44.6	51.5	45.4	51.7	44.7
60.0	21.5	25.4	21.2	24.8	21.3	25.6	22.4	26.2	22.0
65.0	13.8	17.0	13.8	16.6	13.7	17.1	14.2	17.2	14.0
70.0	10.3	12.6	10.2	12.3	10.1	12.4	10.1	12.4	10.1
75.0	9.92	11.7	9.79	11.6	9.66	11.5	9.59	11.5	9.59
80.0	9.28	10.9	9.15	10.8	9.08	10.7	9.02	10.7	9.02
85.0	8.19	9.66	8.06	9.59	8.06	9.53	8.00	9.53	8.00
90.0	7.36	8.25	7.36	8.25	7.29	8.19	7.23	8.12	7.23

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: