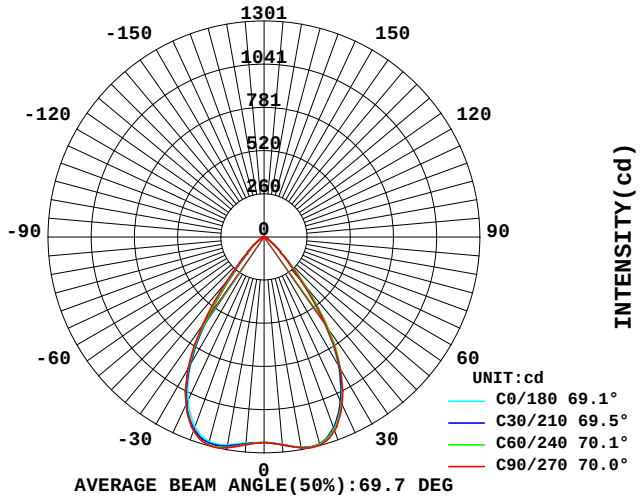
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-5K	DIMENSION:	SERIAL No.:2013051602

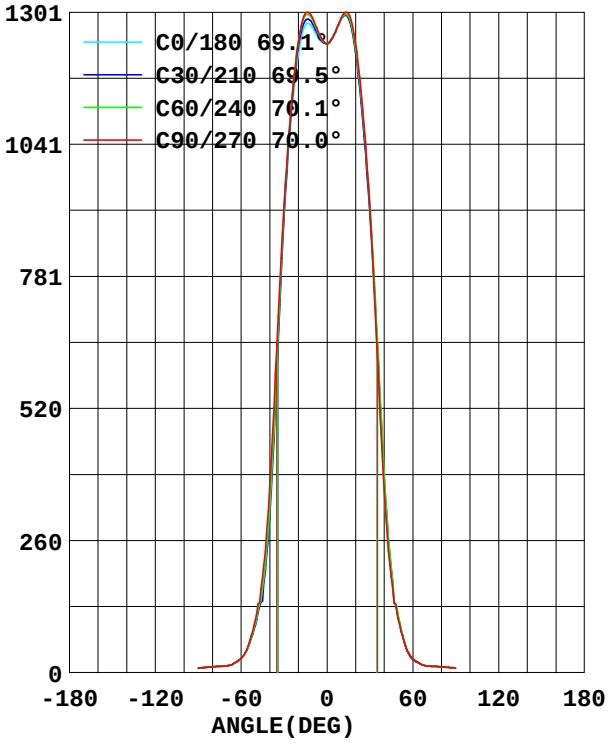
DATA OF LAMP		Imax(cd)	1301	S/MH(C0/180)	1.01
MODEL	HV5843T-5K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.03
NOMINAL POWER(W)	18	TOTAL FLUX(lm)	1600.6	Voltage(V)	229.5
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	91.4	Current(A)	0.079
NOMINAL FLUX(lm)	1600.7	h up(%)	0.0	Power(W)	17.52
LAMPS QUANTITY	1	h down(%)	100.0	Power Factor(PF)	0.962
TEST VOLTAGE(V)	229.5	Effictive Flux(lm)	1490.3	EEI	0.160

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):69.7 DEG

LUMINOUS INTENSITY DISTRIBUTION



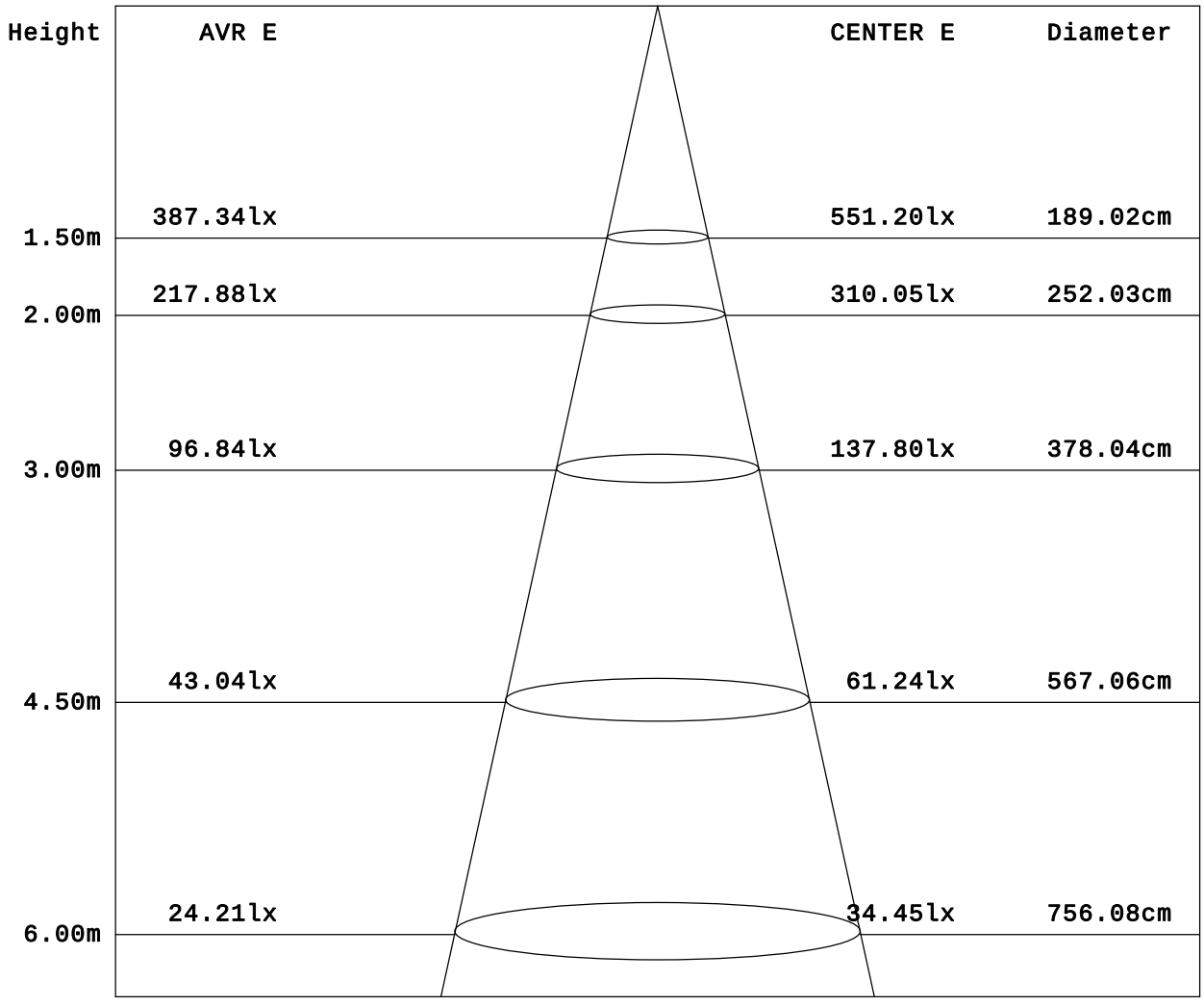
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-5K	DIMENSION:	SERIAL No.:2013051602



Angle:64.4deg

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-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-5K	DIMENSION:	SERIAL No.:2013051602

g	C0	C45	C90	C135	C180	C225	C270	C315	g	zone	total
5.0	1246	1252	1257	1256	1255	1256	1257	1252	0- 5	29.80	29.80
10.0	1271	1282	1290	1286	1287	1286	1290	1282	5- 10	90.91	120.7
15.0	1276	1288	1299	1288	1293	1288	1299	1288	10- 15	153.1	273.8
20.0	1218	1234	1242	1222	1229	1222	1242	1234	15- 20	208.4	482.3
25.0	1085	1101	1110	1086	1091	1086	1110	1101	20- 25	244.9	727.2
30.0	888.7	891.5	919.4	910.9	899.2	910.9	919.4	891.5	25- 30	253.7	980.9
35.0	602.8	577.5	645.4	666.3	634.5	666.3	645.4	577.5	30- 35	225.6	1207
40.0	320.8	289.9	359.6	384.5	359.6	384.5	359.6	289.9	35- 40	159.5	1366
45.0	165.4	153.1	188.1	238.2	188.6	238.2	188.1	153.1	40- 45	94.03	1460
50.0	95.80	86.40	104.7	102.9	102.7	102.9	104.7	86.40	45- 50	53.91	1514
55.0	50.04	44.28	52.35	46.46	49.34	46.46	52.35	44.28	50- 55	31.27	1545
60.0	27.58	23.93	27.39	23.23	26.24	23.23	27.39	23.93	55- 60	16.07	1561
65.0	17.85	15.04	17.72	14.78	17.40	14.78	17.72	15.04	60- 65	9.972	1571
70.0	13.31	10.94	13.12	10.81	13.12	10.81	13.12	10.94	65- 70	6.903	1578
75.0	12.54	10.49	12.28	10.36	12.35	10.36	12.28	10.49	70- 75	6.094	1584
80.0	11.58	9.728	11.39	9.728	11.45	9.728	11.39	9.728	75- 80	5.907	1590
85.0	10.17	8.639	10.11	8.704	10.24	8.704	10.11	8.639	80- 85	5.459	1596
90.0	8.639	7.680	8.639	7.808	8.768	7.808	8.639	7.680	85- 90	4.851	1601
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:

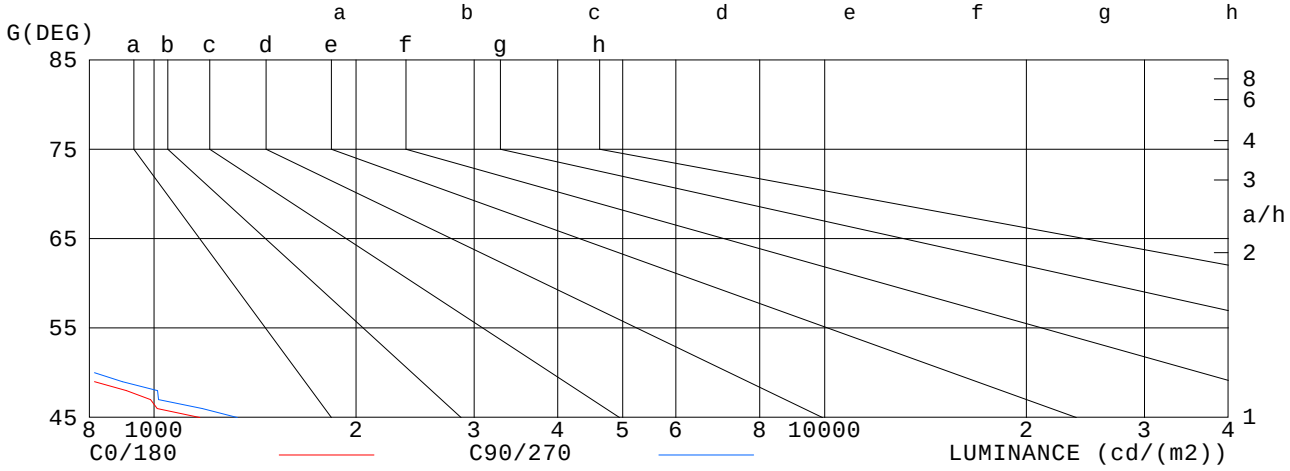
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: Havit Lighting	**Address:**	
NAME: HV5843T-5K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5843T-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
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	584	580
80	334	328
75	242	237
70	195	192
65	211	210
60	276	274
55	436	456
50	745	814
45	1170	1330

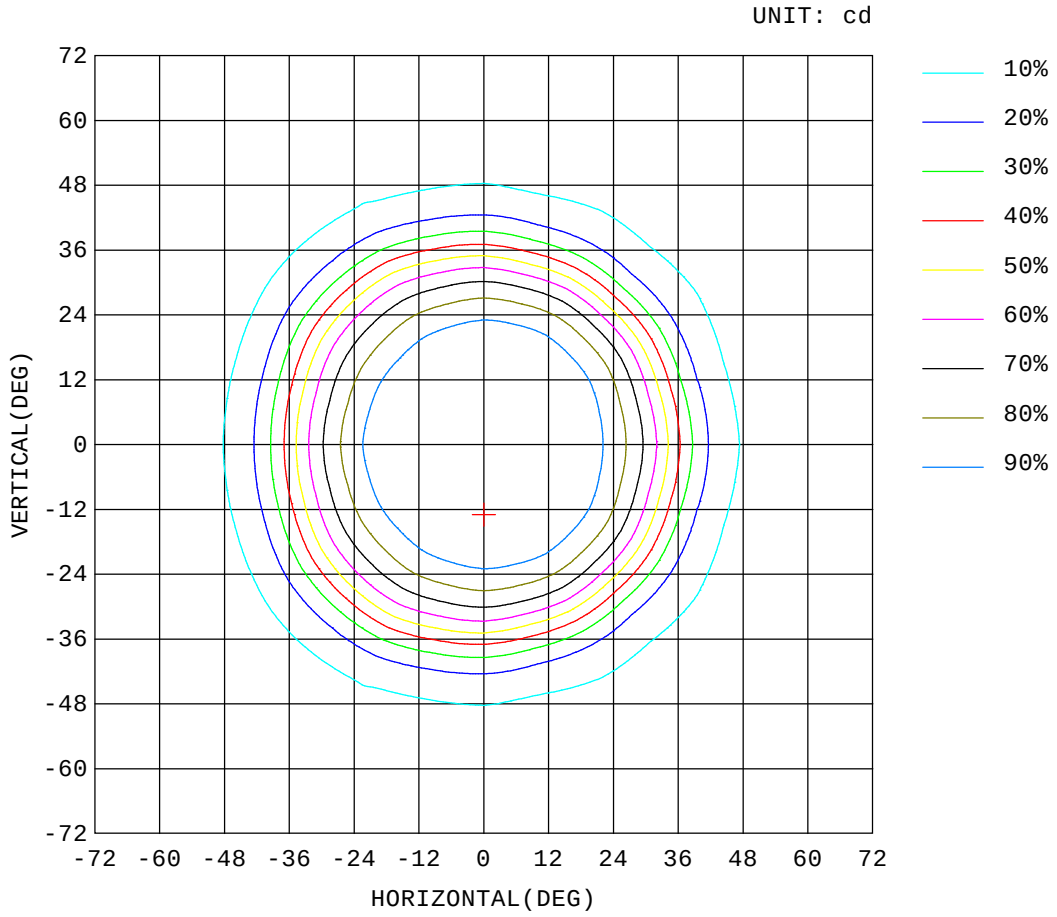
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-5K	DIMENSION:	SERIAL No.:2013051602



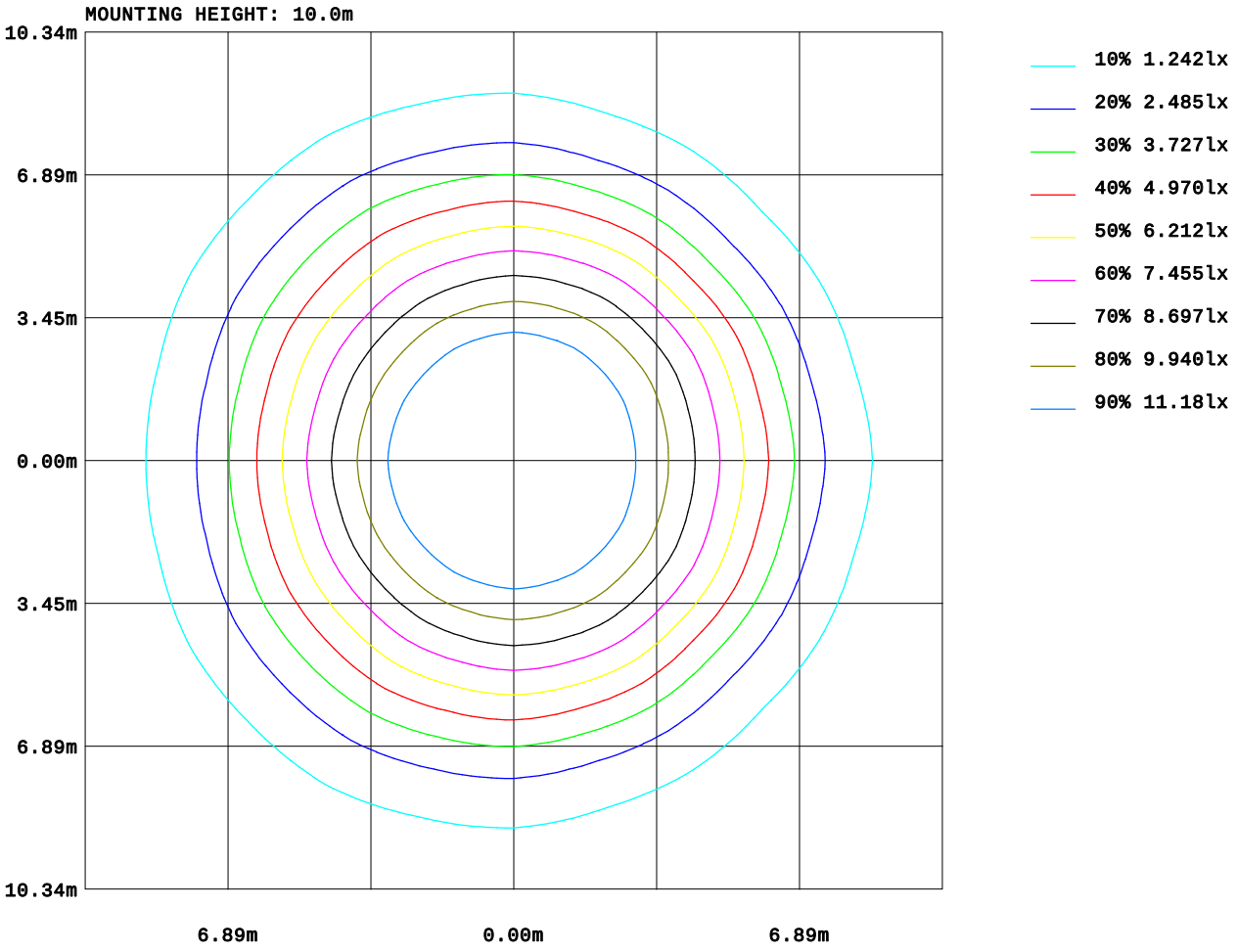
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-5K	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-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-5K	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	0.14	0.15	0.18	0.22	0.23	0.24	0.27	0.27	0.24	0.23	0.22	0.18	0.15	0.14	0.11	0.07	3.22	0.00
64	0.08	0.12	0.15	0.17	0.23	0.34	0.41	0.45	0.54	0.54	0.45	0.40	0.34	0.23	0.17	0.15	0.12	0.08	4.94	0.00
56	0.08	0.12	0.17	0.25	0.39	0.69	1.05	1.32	1.57	1.53	1.24	0.99	0.67	0.40	0.26	0.18	0.12	0.08	11.1	0.00
48	0.08	0.12	0.23	0.42	0.88	1.74	2.77	3.72	4.28	4.08	3.27	2.37	1.50	0.81	0.43	0.24	0.13	0.08	27.1	18.3
40	0.08	0.14	0.31	0.83	1.92	3.98	6.93	9.60	11.1	10.8	8.58	5.60	3.00	1.59	0.78	0.33	0.15	0.08	65.8	60.4
32	0.08	0.16	0.44	1.39	3.57	7.85	13.2	17.0	18.9	18.9	16.7	12.0	6.30	2.74	1.24	0.45	0.17	0.09	121	117
24	0.09	0.20	0.62	2.04	5.79	12.2	17.9	21.7	23.6	23.7	22.0	17.8	11.2	4.70	1.70	0.61	0.21	0.09	167	163
	0.10	0.24	0.82	2.70	7.74	15.0	20.7	24.0	25.1	25.1	24.1	20.9	14.7	6.74	2.31	0.78	0.25	0.10	192	189
	0.11	0.26	0.96	3.10	8.95	16.4	22.0	24.5	24.5	24.4	24.3	22.0	16.3	8.27	2.71	0.91	0.28	0.11	201	198
	0.11	0.26	0.96	3.10	8.95	16.4	22.0	24.5	24.5	24.4	24.3	22.0	16.3	8.27	2.71	0.91	0.28	0.11	201	198
	0.10	0.24	0.82	2.70	7.74	15.0	20.7	24.0	25.1	25.1	24.1	20.9	14.7	6.74	2.31	0.78	0.25	0.10	192	189
-24	0.09	0.20	0.62	2.04	5.79	12.2	17.9	21.7	23.6	23.7	22.0	17.8	11.2	4.70	1.70	0.61	0.21	0.09	167	163
-32	0.08	0.16	0.44	1.39	3.57	7.85	13.2	17.0	18.9	18.9	16.7	12.0	6.30	2.74	1.24	0.45	0.17	0.09	121	117
-40	0.08	0.14	0.31	0.83	1.92	3.98	6.93	9.60	11.1	10.8	8.58	5.60	3.00	1.59	0.78	0.33	0.15	0.08	65.8	60.4
-48	0.08	0.12	0.23	0.42	0.88	1.74	2.77	3.72	4.28	4.08	3.27	2.37	1.50	0.81	0.43	0.24	0.13	0.08	27.1	18.3
-56	0.08	0.12	0.17	0.25	0.39	0.69	1.05	1.32	1.57	1.53	1.24	0.99	0.67	0.40	0.26	0.18	0.12	0.08	11.1	0.00
-64	0.08	0.12	0.15	0.17	0.23	0.34	0.41	0.45	0.54	0.54	0.45	0.40	0.34	0.23	0.17	0.15	0.12	0.08	4.94	0.00
-72	0.07	0.11	0.14	0.15	0.18	0.22	0.23	0.24	0.27	0.27	0.24	0.23	0.22	0.18	0.15	0.14	0.11	0.07	3.22	0.00
F t	1.53	2.92	7.68	22.1	59.3	117	171	206	220	219	202	165	109	51.3	19.5	7.55	3.05	1.55	1601	
F a	0.00	0.00	0.00	14.5	53.7	112	166	201	215	214	197	160	103	44.9	10.2	0.00	0.00	0.00		1490

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

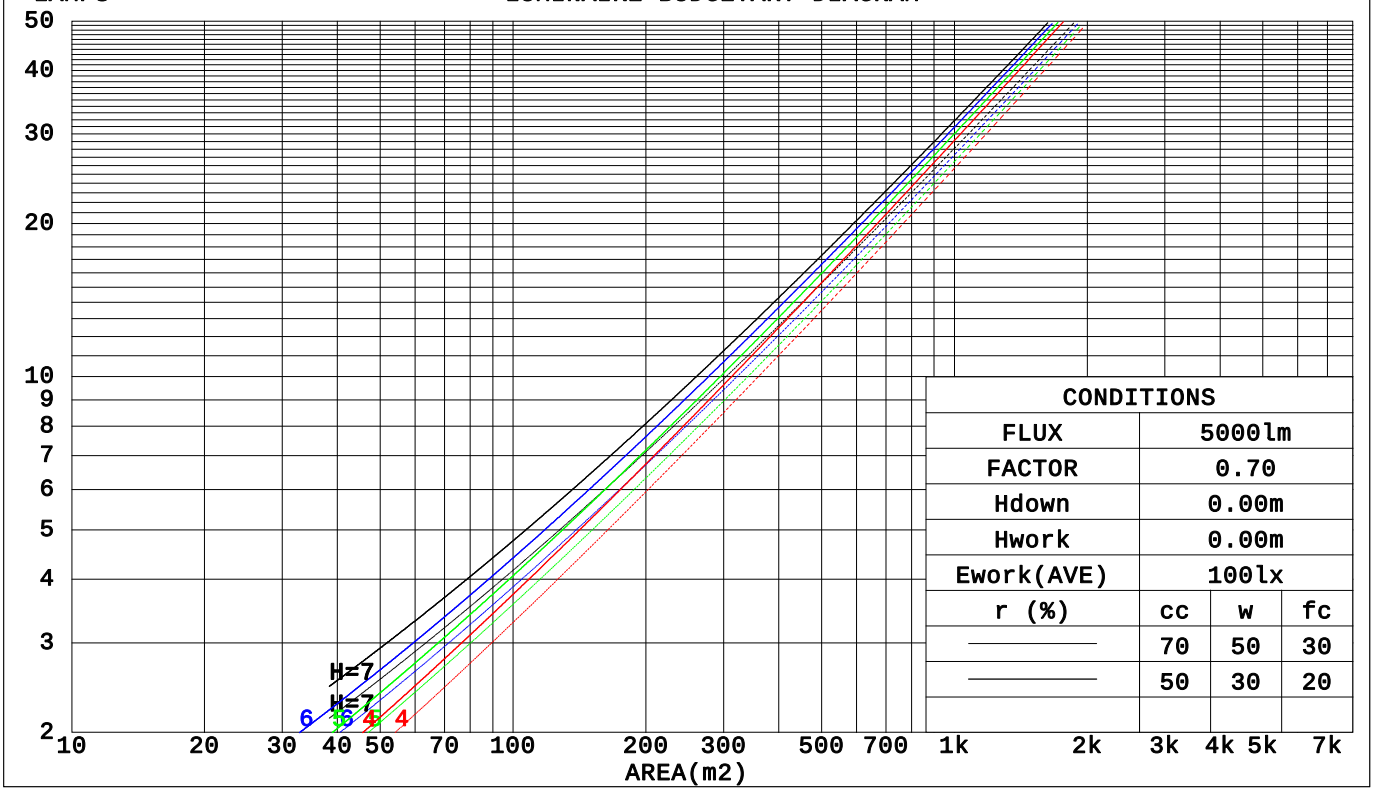
Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-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	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	.93	.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	.76	.85	.79	.75	.83	.78	.74	.81	.77	.73	.79	.75	.72	.71
5.0	.80	.74	.69	.79	.73	.69	.77	.72	.68	.76	.71	.67	.74	.70	.67	.65
6.0	.75	.68	.63	.74	.68	.63	.72	.67	.63	.71	.66	.62	.69	.65	.62	.60
7.0	.70	.63	.58	.69	.63	.58	.67	.62	.58	.66	.61	.58	.65	.61	.57	.56
8.0	.65	.58	.54	.64	.58	.54	.63	.58	.54	.62	.57	.53	.61	.57	.53	.52
9.0	.61	.54	.50	.60	.54	.50	.59	.54	.50	.58	.53	.50	.58	.53	.50	.48
10.0	.57	.51	.47	.57	.51	.47	.56	.50	.47	.55	.50	.46	.54	.50	.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-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-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						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.201	.114	.036	.194	.111	.035	.181	.104	.033	.170	.098	.031	.159	.092	.030	
2.0	.191	.105	.032	.185	.102	.031	.174	.097	.030	.164	.092	.029	.155	.088	.028	
3.0	.181	.096	.029	.176	.094	.028	.167	.090	.027	.158	.087	.027	.150	.083	.026	
4.0	.172	.089	.026	.168	.088	.026	.160	.085	.025	.152	.082	.025	.145	.079	.024	
5.0	.163	.083	.024	.160	.082	.024	.153	.079	.023	.146	.077	.023	.140	.075	.022	
6.0	.155	.078	.022	.152	.077	.022	.146	.075	.022	.140	.073	.021	.135	.071	.021	
7.0	.148	.073	.021	.145	.072	.021	.140	.071	.020	.134	.069	.020	.130	.067	.020	
8.0	.141	.069	.019	.139	.068	.019	.134	.067	.019	.129	.065	.019	.125	.064	.019	
9.0	.135	.065	.018	.133	.065	.018	.128	.063	.018	.124	.062	.018	.120	.061	.018	
10.0	.129	.062	.017	.127	.061	.017	.123	.060	.017	.119	.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	.048	.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	.060	.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-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-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	9.2	10.2	9.4	10.4	10.6	9.4	10.5	9.7	10.7	10.8
3H	9.1	10.1	9.4	10.3	10.5	9.3	10.3	9.6	10.5	10.7
4H	9.1	10.0	9.4	10.2	10.5	9.3	10.3	9.6	10.5	10.7
6H	9.2	10.0	9.5	10.3	10.5	9.4	10.3	9.7	10.5	10.8
8H	9.3	10.1	9.6	10.3	10.6	9.5	10.3	9.8	10.6	10.8
12H	9.4	10.2	9.7	10.5	10.8	9.6	10.4	9.9	10.7	11.0
4H 2H	9.0	9.9	9.3	10.1	10.3	9.2	10.2	9.5	10.4	10.6
3H	8.9	9.7	9.3	10.0	10.3	9.2	10.0	9.5	10.3	10.5
4H	9.0	9.7	9.4	10.0	10.3	9.2	10.0	9.6	10.3	10.6
6H	9.2	9.8	9.6	10.2	10.5	9.4	10.0	9.8	10.4	10.7
8H	9.4	9.9	9.8	10.3	10.7	9.6	10.1	9.9	10.5	10.9
12H	9.6	10.2	10.0	10.5	10.9	9.8	10.3	10.2	10.7	11.1
8H 4H	9.0	9.6	9.4	9.9	10.3	9.2	9.8	9.6	10.1	10.5
6H	9.3	9.8	9.7	10.2	10.6	9.5	10.0	9.9	10.4	10.8
8H	9.6	10.0	10.0	10.4	10.8	9.7	10.2	10.2	10.6	11.0
12H	10.0	10.3	10.4	10.8	11.3	10.1	10.5	10.6	10.9	11.4
12H 4H	9.0	9.5	9.4	9.9	10.3	9.2	9.7	9.6	10.1	10.5
6H	9.3	9.7	9.8	10.2	10.6	9.5	9.9	9.9	10.3	10.8
8H	9.7	10.0	10.1	10.5	10.9	9.8	10.2	10.3	10.6	11.1
Variations with the observer position at spacings:										
S = 1.0H	+ 2.3 / - 2.9					+ 2.5 / - 3.3				
1.5H	+ 3.9 / - 2.7					+ 4.1 / - 3.0				
2.0H	+ 3.2 / - 1.5					+ 3.8 / - 1.7				

CIE Pub.117 Corrected 1601 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.6)

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-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-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) x RCR = 5									
k = 0.60	82	75	71	82	75	71	81	74	71	66
0.80	90	84	79	90	83	79	88	83	79	75
1.00	96	89	85	95	89	85	93	89	84	80
1.25	100	94	90	99	94	90	97	93	89	85
1.50	103	98	94	102	97	94	100	96	93	88
2.00	107	102	98	105	101	98	102	99	96	91
2.50	109	104	101	107	103	100	104	101	98	92
3.00	110	107	103	109	105	102	105	102	100	93
4.00	113	109	107	111	108	105	107	105	103	95
5.00	114	111	109	112	109	107	108	106	104	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004	Suspended								SHRNOM = 1.25	

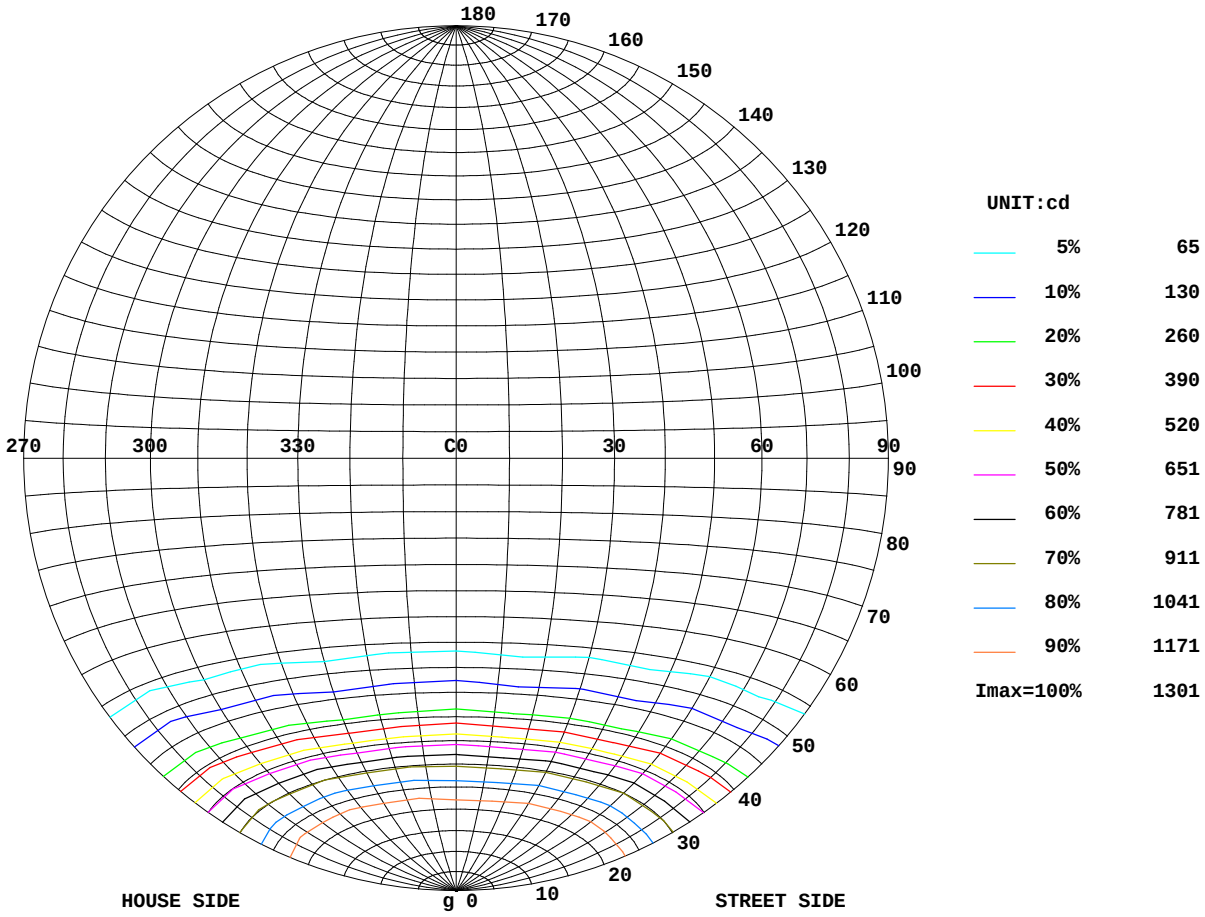
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-5K	DIMENSION:	SERIAL No.:2013051602



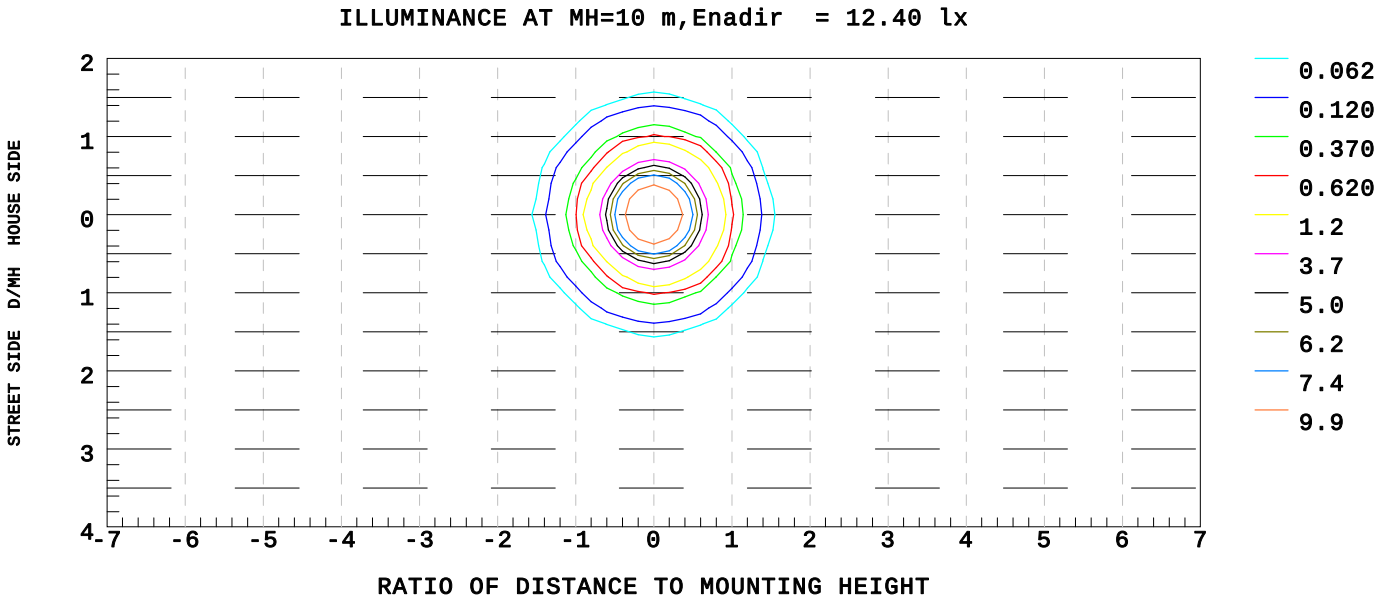
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

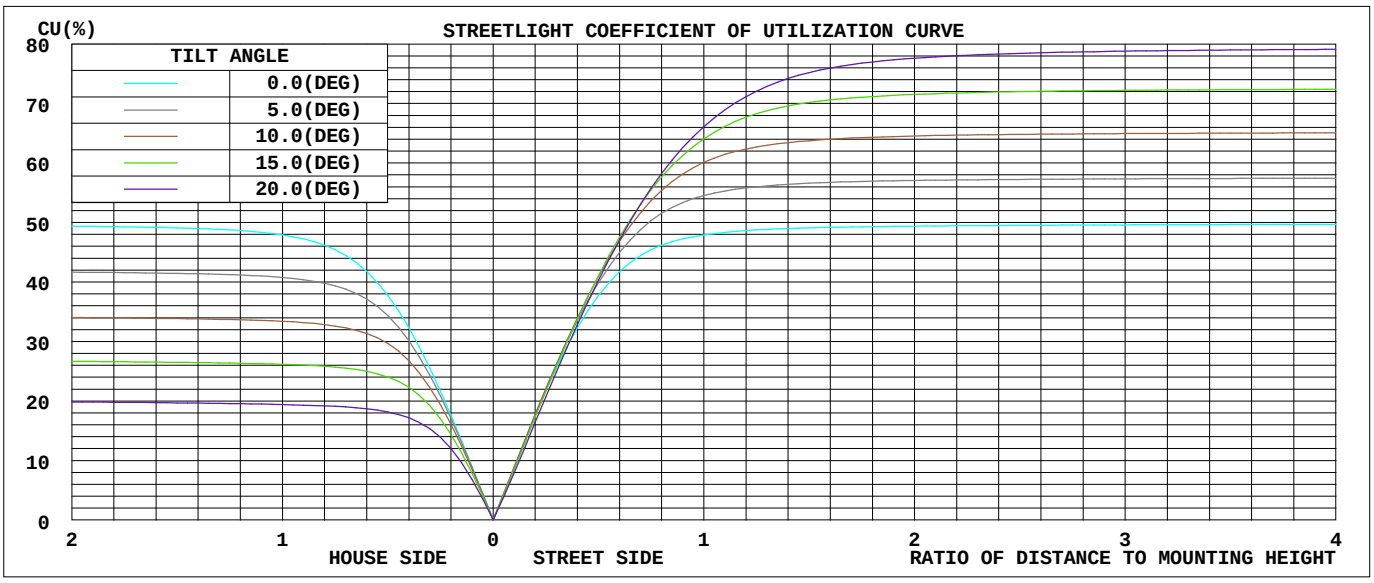
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-5K	DIMENSION:	SERIAL No.:2013051602





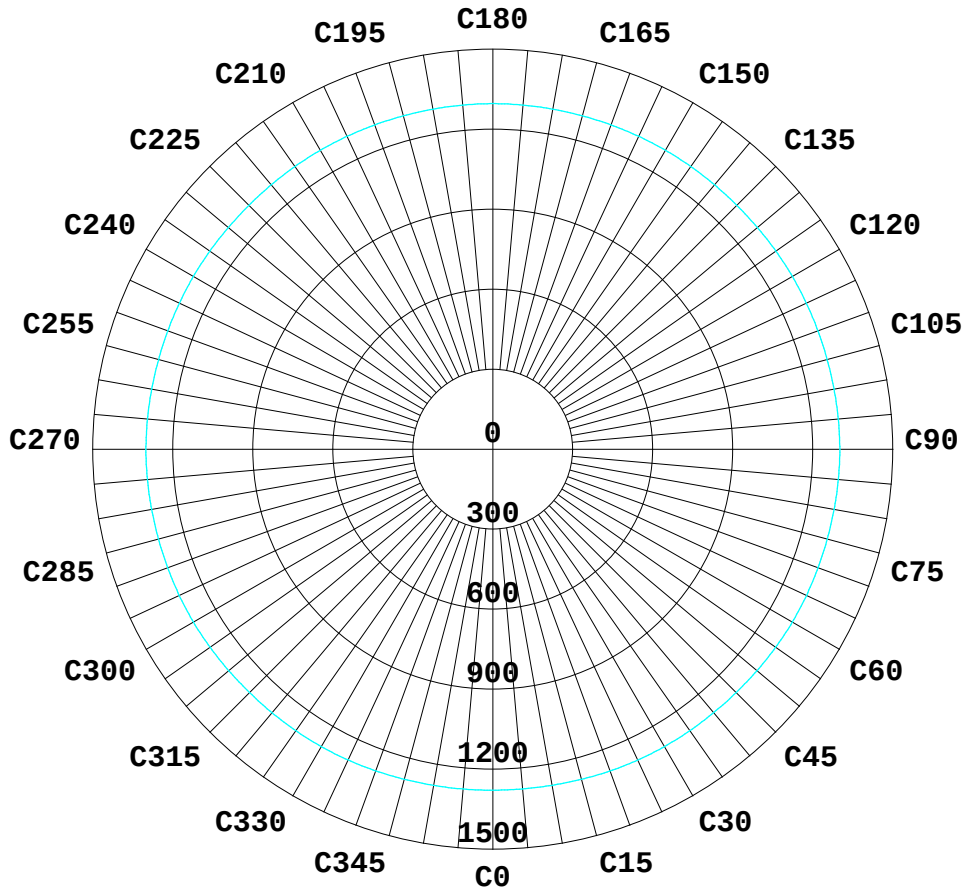
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-5K	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-5K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5843T-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	1240	1239	1239	1238	1239	1238	1238	1237	1237	1236	1237	1236	1236	1236	1237
5.0	1246	1247	1250	1252	1254	1255	1257	1256	1257	1256	1257	1255	1255	1255	1257
10.0	1271	1273	1278	1282	1286	1288	1290	1288	1288	1286	1288	1287	1287	1287	1288
15.0	1276	1277	1285	1288	1295	1295	1299	1294	1293	1288	1290	1289	1293	1289	1290
20.0	1218	1220	1233	1234	1242	1238	1242	1233	1232	1222	1223	1221	1229	1221	1223
25.0	1085	1084	1103	1101	1113	1104	1110	1098	1101	1086	1087	1080	1091	1080	1087
30.0	889	877	898	892	910	902	919	912	926	911	910	892	899	892	910
35.0	603	577	591	578	608	609	645	649	678	666	664	635	635	635	664
40.0	321	296	302	290	316	323	360	366	395	385	387	361	360	361	387
45.0	165	154	141	153	166	169	188	192	208	238	204	190	189	190	204
50.0	95.8	86.5	93.8	86.4	96.5	91.8	105	100	112	103	109	97.0	103	97.0	109
55.0	50.0	44.2	49.9	44.2	50.4	45.5	52.3	47.0	53.3	46.4	50.6	43.9	49.3	43.9	50.6
60.0	27.5	24.3	28.2	23.9	27.4	23.5	27.3	24.0	27.7	23.2	26.1	22.3	26.2	22.3	26.1
65.0	17.8	14.9	18.0	15.0	17.7	14.7	17.7	14.8	17.9	14.7	17.2	14.3	17.4	14.3	17.2
70.0	13.3	11.0	13.3	10.9	13.3	10.8	13.1	10.8	13.3	10.8	13.1	10.8	13.1	10.8	13.1
75.0	12.5	10.6	12.4	10.4	12.3	10.4	12.2	10.3	12.2	10.3	12.3	10.4	12.3	10.4	12.3
80.0	11.5	9.85	11.5	9.72	11.4	9.66	11.3	9.72	11.4	9.72	11.4	9.79	11.4	9.79	11.4
85.0	10.1	8.70	10.1	8.63	10.1	8.63	10.1	8.63	10.1	8.70	10.3	8.70	10.2	8.70	10.3
90.0	8.63	7.74	8.57	7.68	8.57	7.74	8.63	7.80	8.76	7.80	8.76	7.87	8.76	7.87	8.76

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-5K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5843T-5K	**DIMENSION:**	**SERIAL No.:2013051602**

UNIT: cd

C(DEG) / g (DEG)	225	240	255	270	285	300	315	330	345
0.0	1236	1237	1237	1238	1238	1239	1238	1239	1239
5.0	1256	1257	1256	1257	1255	1254	1252	1250	1247
10.0	1286	1288	1288	1290	1288	1286	1282	1278	1273
15.0	1288	1293	1294	1299	1295	1295	1288	1285	1277
20.0	1222	1232	1233	1242	1238	1242	1234	1233	1220
25.0	1086	1101	1098	1110	1104	1113	1101	1103	1084
30.0	911	926	912	919	902	910	892	898	877
35.0	666	678	649	645	609	608	578	591	577
40.0	385	395	366	360	323	316	290	302	296
45.0	238	208	192	188	169	166	153	141	154
50.0	103	112	100	105	91.8	96.5	86.4	93.8	86.5
55.0	46.4	53.3	47.0	52.3	45.5	50.4	44.2	49.9	44.2
60.0	23.2	27.7	24.0	27.3	23.5	27.4	23.9	28.2	24.3
65.0	14.7	17.9	14.8	17.7	14.7	17.7	15.0	18.0	14.9
70.0	10.8	13.3	10.8	13.1	10.8	13.3	10.9	13.3	11.0
75.0	10.3	12.2	10.3	12.2	10.4	12.3	10.4	12.4	10.6
80.0	9.72	11.4	9.72	11.3	9.66	11.4	9.72	11.5	9.85
85.0	8.70	10.1	8.63	10.1	8.63	10.1	8.63	10.1	8.70
90.0	7.80	8.76	7.80	8.63	7.74	8.57	7.68	8.57	7.74

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: