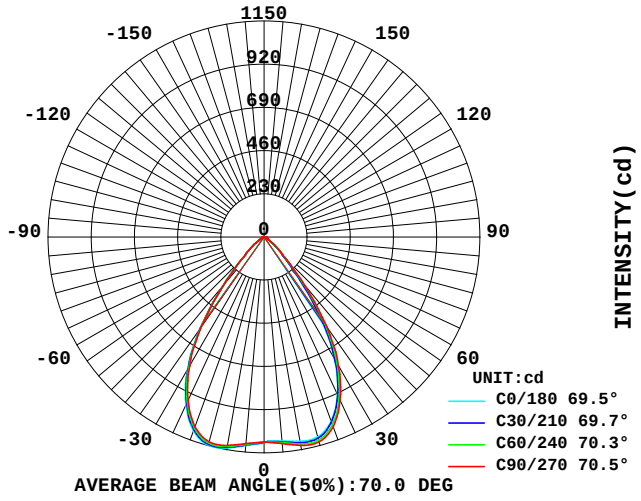
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-3K	DIMENSION:	SERIAL No.:2013051602

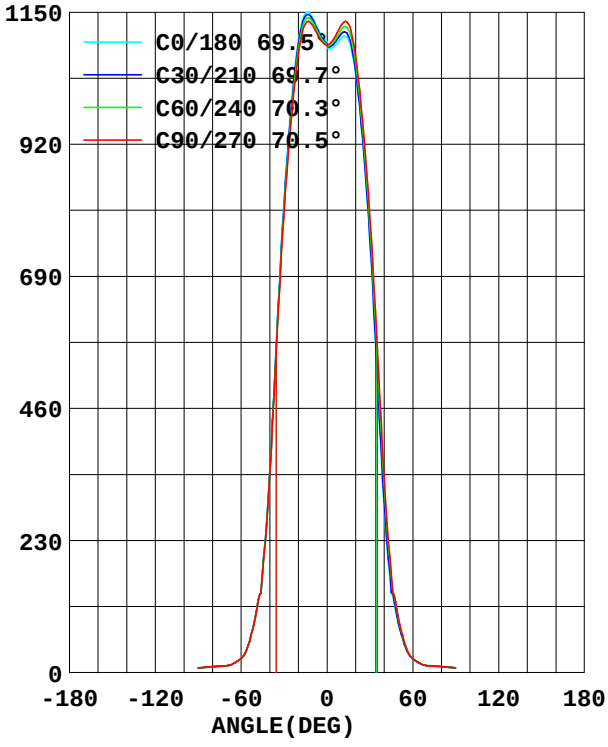
DATA OF LAMP		Imax(cd)	1150	S/MH(C0/180)	1.04
MODEL	HV5843T-3K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.04
NOMINAL POWER(W)	18	TOTAL FLUX(lm)	1410.0	Voltage(V)	229.3
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	81.2	Current(A)	0.078
NOMINAL FLUX(lm)	1410.0	h up(%)	0.0	Power(W)	17.37
LAMPS QUANTITY	1	h down(%)	100.0	Power Factor(PF)	0.962
TEST VOLTAGE(V)	229.4	Effictive Flux(lm)	1316.9	EEI	0.180

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):70.0 DEG

LUMINOUS INTENSITY DISTRIBUTION



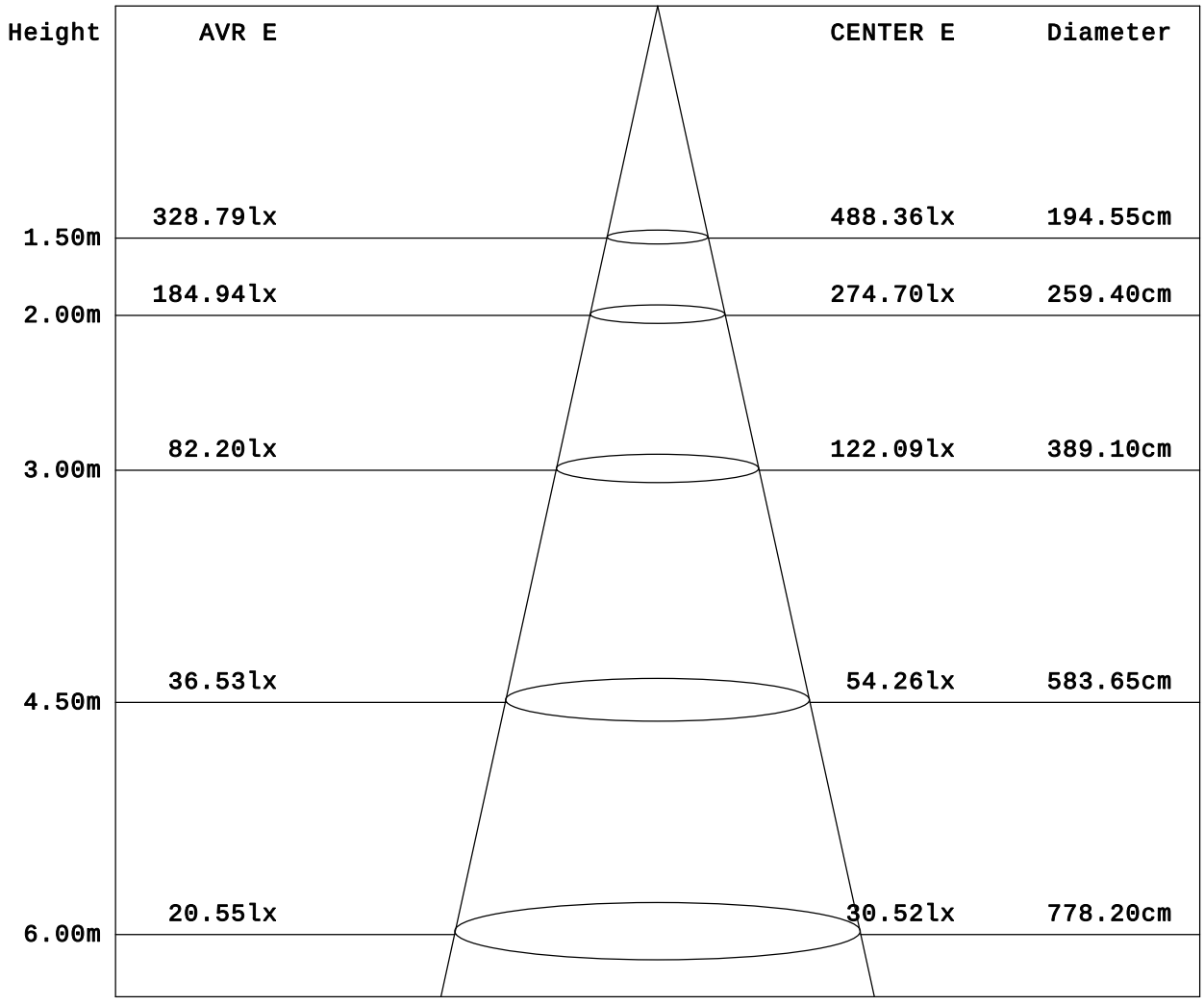
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-3K	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:

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-3K	DIMENSION:	SERIAL No.:2013051602

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	Total
5.0	1114	1110	1104	1098	1090	1098	1104	1110	0- 5	26.25	26.25
10.0	1141	1134	1127	1116	1105	1116	1127	1134	5- 10	79.81	106.0
15.0	1148	1138	1130	1111	1102	1111	1130	1138	10- 15	133.9	240.0
20.0	1101	1082	1077	1046	1046	1046	1077	1082	15- 20	181.6	421.6
25.0	986.1	966.4	959.2	923.0	925.8	923.0	959.2	966.4	20- 25	212.5	634.1
30.0	817.7	793.6	793.9	746.3	750.0	746.3	793.9	793.6	25- 30	219.7	853.9
35.0	596.0	565.1	584.1	516.2	523.2	516.2	584.1	565.1	30- 35	198.0	1052
40.0	339.3	329.3	340.9	292.8	287.1	292.8	340.9	329.3	35- 40	144.4	1196
45.0	172.1	169.6	173.6	149.2	137.0	149.2	173.6	169.6	40- 45	87.13	1284
50.0	96.76	87.23	96.63	78.72	85.37	78.72	96.63	87.23	45- 50	49.13	1333
55.0	47.74	41.27	46.71	37.75	43.58	37.75	46.71	41.27	50- 55	27.90	1361
60.0	24.51	20.09	24.19	19.84	24.19	19.84	24.19	20.09	55- 60	14.17	1375
65.0	16.19	13.12	16.38	13.05	16.25	13.05	16.38	13.12	60- 65	8.852	1384
70.0	11.83	9.664	12.16	9.920	12.22	9.920	12.16	9.664	65- 70	6.228	1390
75.0	11.07	9.151	11.20	9.471	11.45	9.471	11.20	9.151	70- 75	5.510	1395
80.0	10.30	8.575	10.43	8.832	10.62	8.832	10.43	8.575	75- 80	5.327	1401
85.0	9.151	7.680	9.344	7.872	9.471	7.872	9.344	7.680	80- 85	4.936	1406
90.0	7.872	7.040	8.063	7.104	8.063	7.104	8.063	7.040	85- 90	4.422	1410
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-3K.IES

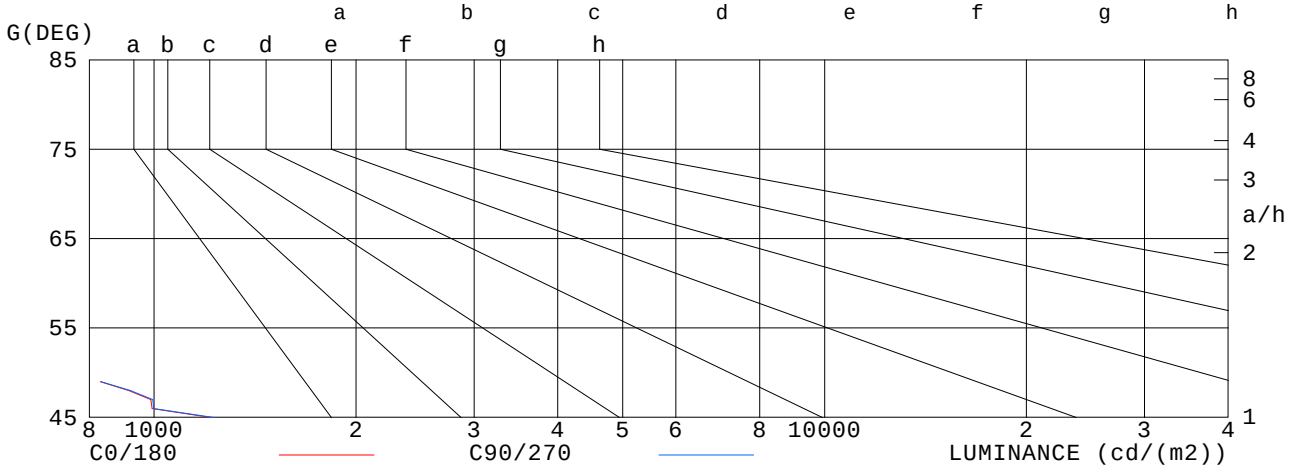
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: Havit Lighting	**Address:**	
NAME: HV5843T-3K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5843T-3K	**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	525	536
80	297	300
75	214	216
70	173	178
65	192	194
60	245	242
55	416	407
50	753	752
45	1217	1228

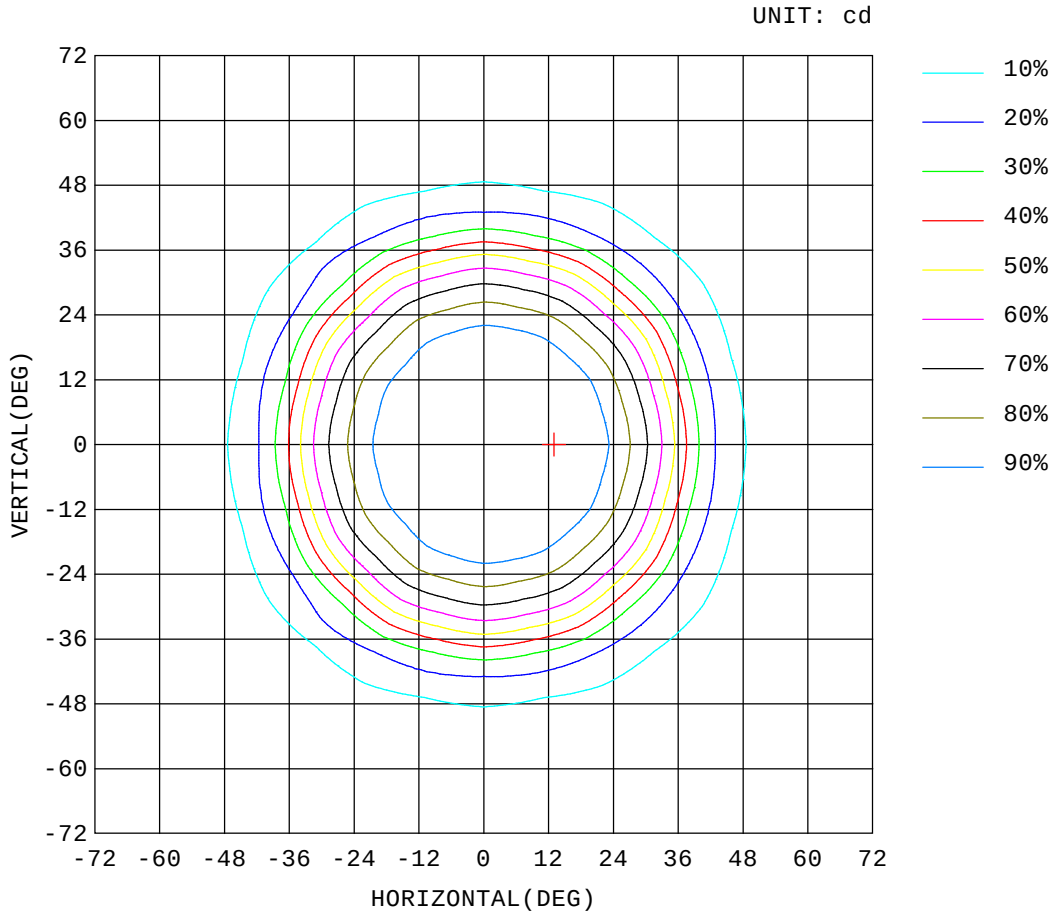
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-3K	DIMENSION:	SERIAL No.:2013051602



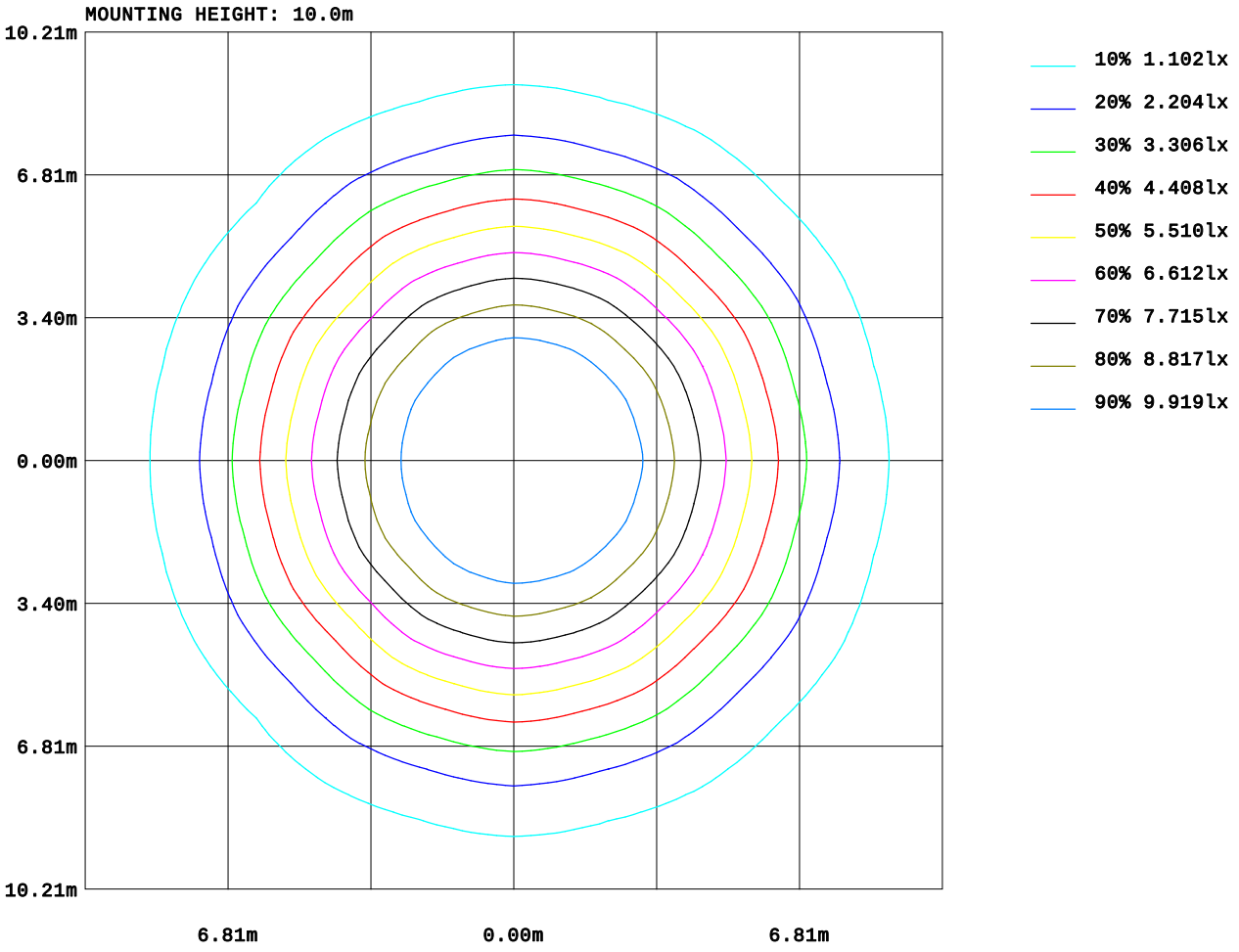
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-3K	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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-3K	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	0.13	0.14	0.17	0.21	0.21	0.21	0.25	0.25	0.21	0.20	0.20	0.16	0.13	0.12	0.10	0.06	2.92	0.00
64	0.07	0.11	0.14	0.15	0.21	0.30	0.36	0.40	0.47	0.47	0.39	0.35	0.30	0.21	0.15	0.13	0.10	0.07	4.37	0.00
56	0.07	0.11	0.16	0.22	0.34	0.59	0.90	1.13	1.40	1.40	1.14	0.92	0.61	0.34	0.22	0.16	0.10	0.07	9.89	0.07
48	0.07	0.11	0.21	0.37	0.70	1.42	2.34	3.21	3.89	3.91	3.27	2.41	1.51	0.77	0.38	0.21	0.11	0.07	24.9	17.6
40	0.07	0.13	0.28	0.68	1.49	3.07	5.65	8.15	9.86	9.96	8.39	5.96	3.32	1.66	0.75	0.29	0.13	0.07	59.9	55.3
32	0.08	0.15	0.38	1.13	2.73	6.04	10.7	14.4	16.3	16.4	14.8	11.3	6.72	3.10	1.27	0.41	0.15	0.07	106	103
24	0.08	0.18	0.52	1.57	4.47	9.90	15.0	18.7	20.4	20.5	19.1	15.8	10.8	5.14	1.82	0.58	0.19	0.08	145	142
	0.09	0.22	0.68	2.08	6.09	12.5	17.7	20.7	21.8	22.0	21.3	18.6	13.5	6.96	2.42	0.76	0.22	0.09	168	165
	0.10	0.24	0.80	2.43	7.22	13.8	18.7	21.0	21.4	21.6	21.7	19.7	14.9	8.25	2.84	0.90	0.25	0.10	176	174
	0.10	0.24	0.80	2.43	7.22	13.8	18.7	21.0	21.4	21.6	21.7	19.7	14.9	8.25	2.84	0.90	0.25	0.10	176	174
	0.09	0.22	0.68	2.08	6.09	12.5	17.7	20.7	21.8	22.0	21.3	18.6	13.5	6.96	2.42	0.76	0.22	0.09	168	165
-24	0.08	0.18	0.52	1.57	4.47	9.90	15.0	18.7	20.4	20.5	19.1	15.8	10.8	5.14	1.82	0.58	0.19	0.08	145	142
-32	0.08	0.15	0.38	1.13	2.73	6.04	10.7	14.4	16.3	16.4	14.8	11.3	6.72	3.10	1.27	0.41	0.15	0.07	106	103
-40	0.07	0.13	0.28	0.68	1.49	3.07	5.65	8.15	9.86	9.96	8.39	5.96	3.32	1.66	0.75	0.29	0.13	0.07	59.9	55.3
-48	0.07	0.11	0.21	0.37	0.70	1.42	2.34	3.21	3.89	3.91	3.27	2.41	1.51	0.77	0.38	0.21	0.11	0.07	24.9	17.6
-56	0.07	0.11	0.16	0.22	0.34	0.59	0.90	1.13	1.40	1.40	1.14	0.92	0.61	0.34	0.22	0.16	0.10	0.07	9.89	0.07
-64	0.07	0.11	0.14	0.15	0.21	0.30	0.36	0.40	0.47	0.47	0.39	0.35	0.30	0.21	0.15	0.13	0.10	0.07	4.37	0.00
-72	0.07	0.10	0.13	0.14	0.17	0.21	0.21	0.21	0.25	0.25	0.21	0.20	0.20	0.16	0.13	0.12	0.10	0.06	2.92	0.00
F t	1.41	2.69	6.57	17.5	46.8	95.9	143	176	192	193	181	151	104	53.2	20.0	7.11	2.70	1.35	1410	
F a	0.00	0.00	0.00	9.88	41.7	91.0	139	172	188	189	177	147	99.3	48.3	13.4	0.05	0.00	0.00		1317

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

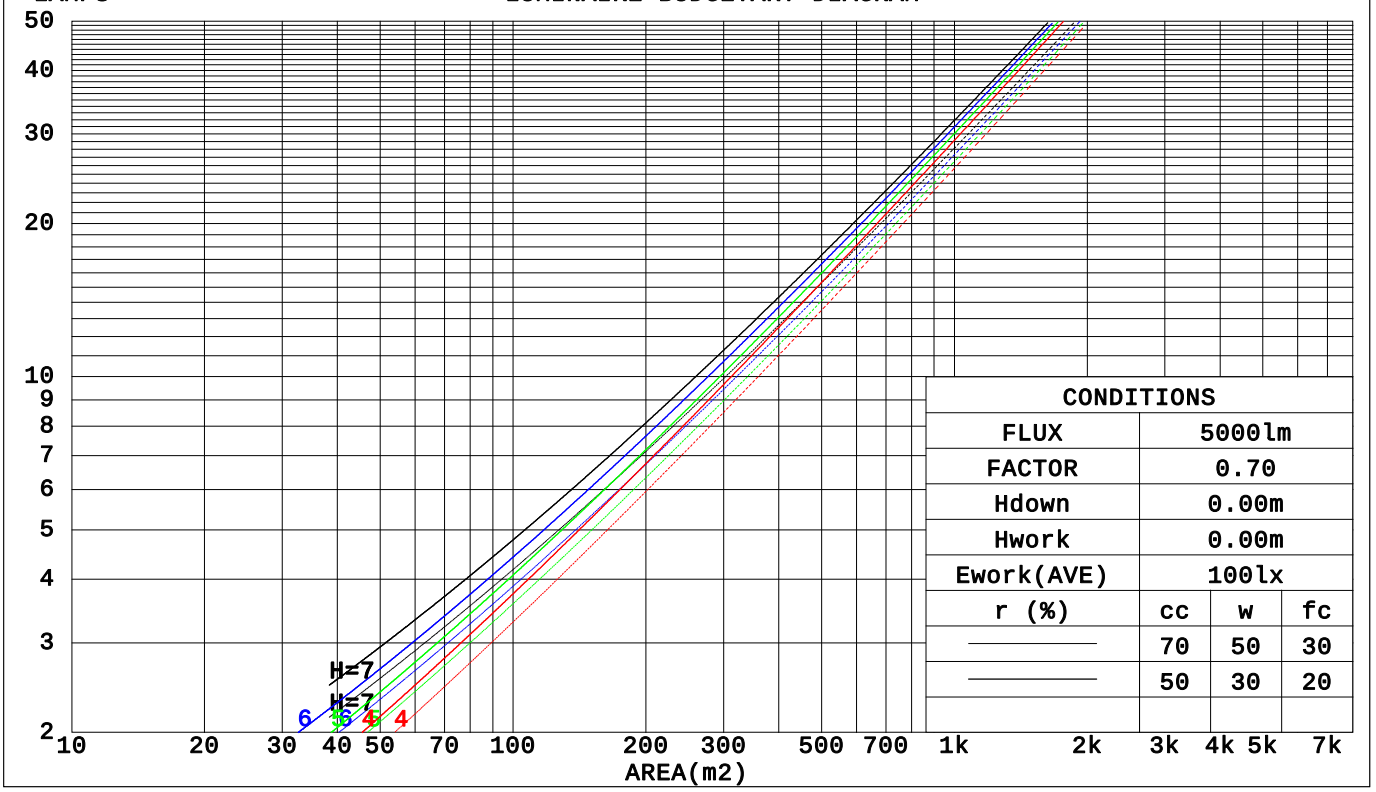
Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-3K	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	.88	.90	.88	.86	.84
3.0	.93	.88	.83	.92	.87	.82	.89	.85	.81	.87	.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	.67	.65
6.0	.74	.68	.63	.74	.67	.63	.72	.66	.62	.70	.66	.62	.69	.65	.61	.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	.46	.57	.50	.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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-3K	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	.104	.033	.170	.098	.032	.160	.093	.030	
2.0	.192	.105	.032	.186	.102	.032	.175	.097	.030	.165	.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	.168	.088	.026	.160	.085	.025	.153	.082	.025	.146	.079	.024	
5.0	.164	.084	.024	.160	.082	.024	.153	.080	.023	.147	.077	.023	.140	.075	.023	
6.0	.156	.078	.022	.153	.077	.022	.147	.075	.022	.141	.073	.021	.135	.071	.021	
7.0	.149	.074	.021	.146	.073	.021	.140	.071	.020	.135	.069	.020	.130	.068	.020	
8.0	.142	.069	.019	.139	.069	.019	.134	.067	.019	.130	.066	.019	.125	.064	.019	
9.0	.136	.066	.018	.133	.065	.018	.129	.064	.018	.125	.062	.018	.121	.061	.018	
10.0	.130	.062	.017	.128	.062	.017	.124	.061	.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	.148	.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	.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	.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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-3K	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	9.6	10.6	9.8	10.8	11.0	9.5	10.6	9.7	10.7	10.9
3H	9.5	10.4	9.7	10.6	10.8	9.4	10.4	9.7	10.6	10.8
4H	9.4	10.4	9.7	10.6	10.8	9.4	10.3	9.7	10.5	10.8
6H	9.5	10.3	9.8	10.6	10.8	9.4	10.3	9.7	10.5	10.8
8H	9.5	10.4	9.9	10.6	10.9	9.5	10.3	9.8	10.6	10.9
12H	9.7	10.5	10.0	10.7	11.0	9.6	10.4	10.0	10.7	11.0
4H 2H	9.3	10.3	9.6	10.5	10.7	9.3	10.2	9.6	10.4	10.7
3H	9.3	10.1	9.6	10.4	10.6	9.2	10.0	9.6	10.3	10.6
4H	9.3	10.0	9.7	10.3	10.7	9.3	10.0	9.6	10.3	10.6
6H	9.4	10.1	9.8	10.4	10.8	9.4	10.0	9.8	10.4	10.7
8H	9.6	10.2	10.0	10.5	10.9	9.5	10.1	9.9	10.5	10.9
12H	9.8	10.3	10.2	10.7	11.1	9.8	10.3	10.2	10.7	11.1
8H 4H	9.3	9.8	9.7	10.2	10.6	9.2	9.8	9.6	10.2	10.5
6H	9.5	10.0	9.9	10.4	10.8	9.5	9.9	9.9	10.3	10.8
8H	9.7	10.1	10.2	10.6	11.0	9.7	10.1	10.1	10.5	11.0
12H	10.1	10.4	10.5	10.9	11.4	10.1	10.4	10.5	10.9	11.3
12H 4H	9.2	9.8	9.6	10.1	10.5	9.2	9.7	9.6	10.1	10.5
6H	9.5	9.9	10.0	10.4	10.8	9.5	9.9	9.9	10.3	10.8
8H	9.8	10.2	10.3	10.6	11.1	9.8	10.1	10.2	10.6	11.0
Variations with the observer position at spacings:										
S = 1.0H	+ 2.4 / - 3.8					+ 2.3 / - 3.7				
1.5H	+ 3.9 / - 3.4					+ 3.8 / - 3.4				
2.0H	+ 3.7 / - 2.0					+ 3.8 / - 2.0				

CIE Pub.117 Corrected 1410 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.2)

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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-3K	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	75	70	81	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	96	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	

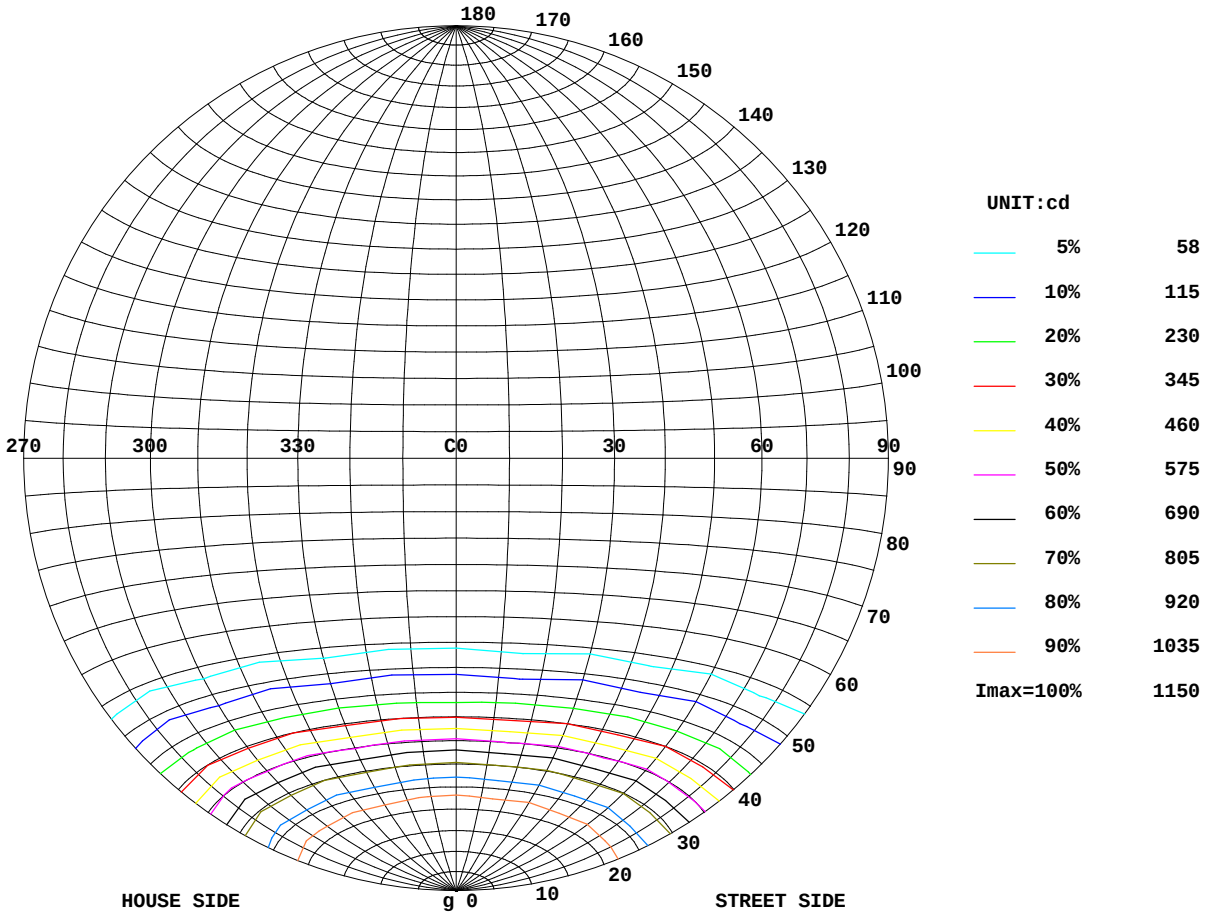
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-3K	DIMENSION:	SERIAL No.:2013051602



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

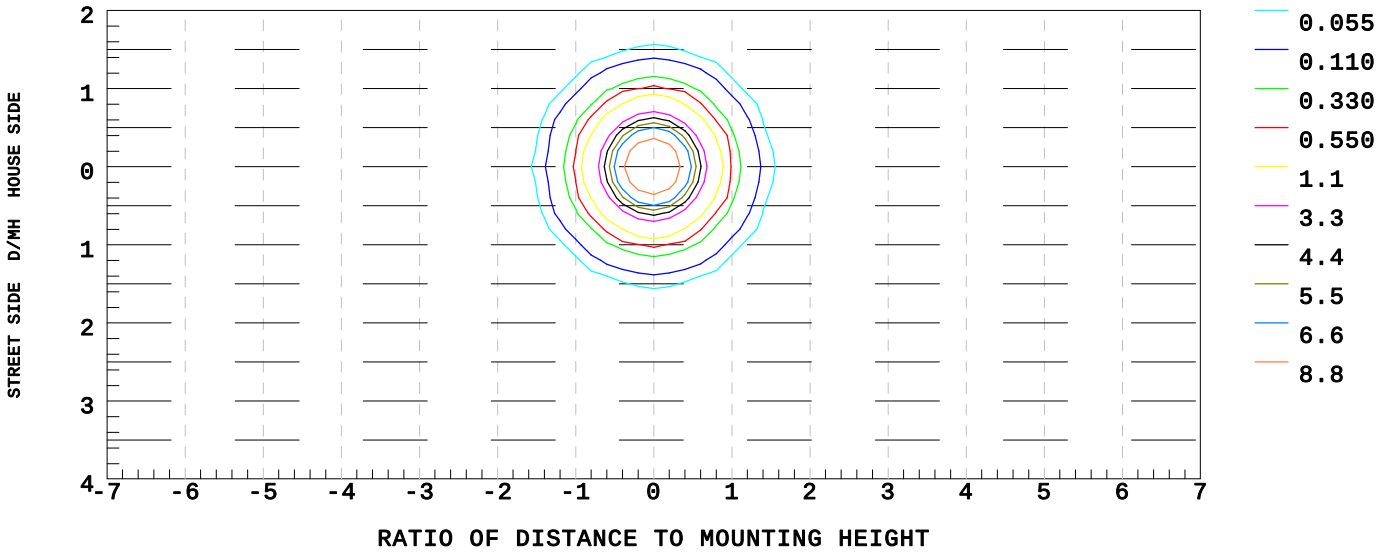
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

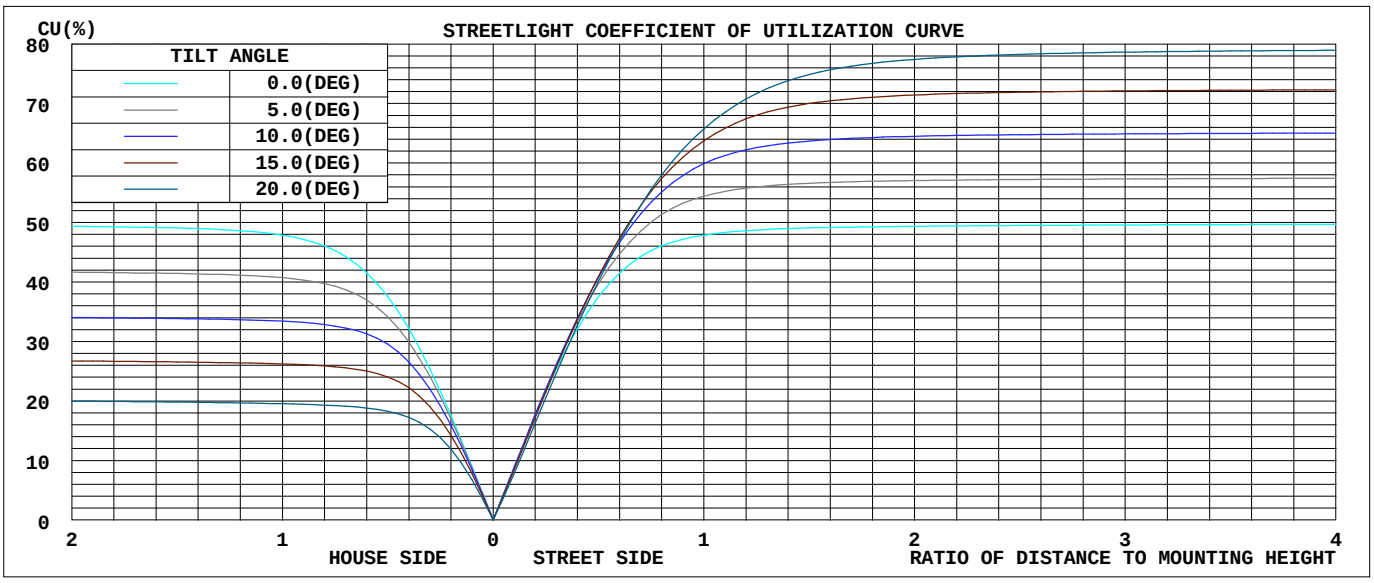
ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-3K	DIMENSION:	SERIAL No.:2013051602

ILLUMINANCE AT MH=10 m,Enadir = 10.99 lx





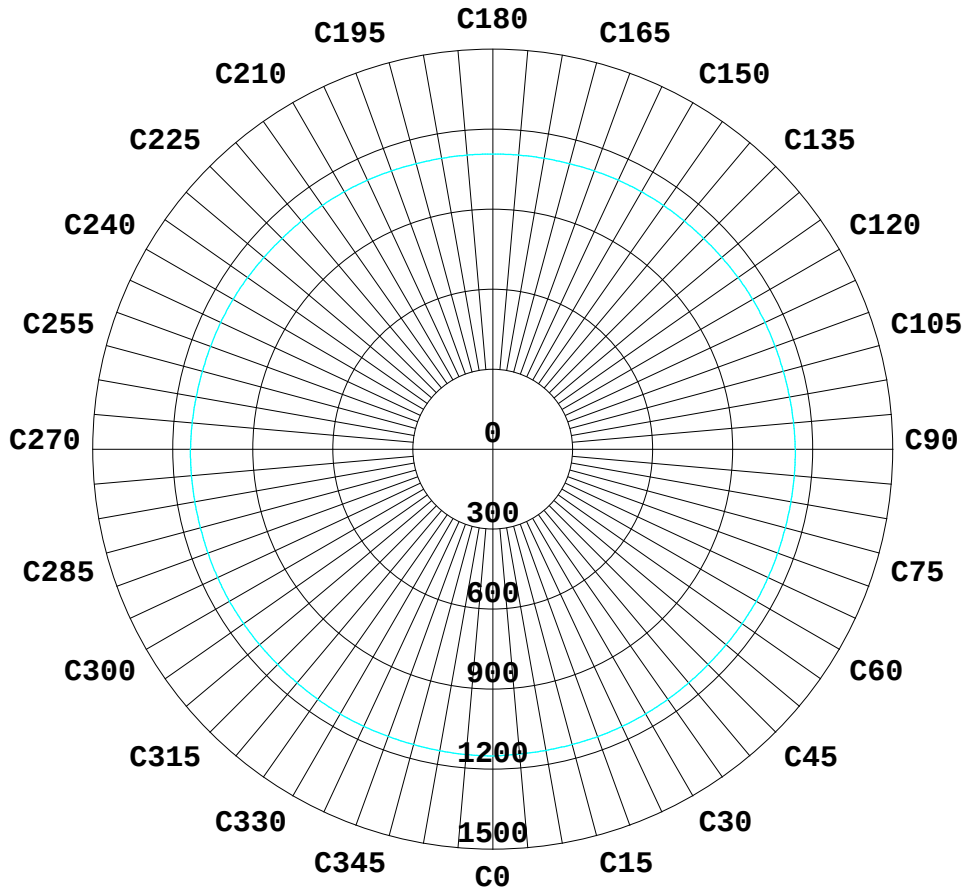
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-3K	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-3K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5843T-3K	**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	1099	1095	1095	1094	1094	1092	1092	1091	1091	1090	1090	1088	1088	1088	1090
5.0	1114	1113	1112	1110	1108	1106	1104	1101	1099	1098	1095	1092	1090	1092	1095
10.0	1141	1138	1138	1134	1133	1129	1127	1123	1120	1116	1113	1107	1105	1107	1113
15.0	1148	1143	1143	1138	1137	1131	1130	1123	1120	1111	1109	1102	1102	1102	1109
20.0	1101	1090	1095	1082	1086	1073	1077	1063	1066	1046	1051	1039	1046	1039	1051
25.0	986	975	979	966	970	957	959	945	946	923	929	918	926	918	929
30.0	818	803	810	794	803	787	794	776	777	746	756	740	750	740	756
35.0	596	570	592	565	590	565	584	552	565	516	534	503	523	503	534
40.0	339	328	344	329	344	329	341	322	328	293	299	278	287	278	299
45.0	172	167	178	170	177	167	174	164	168	149	140	141	137	141	140
50.0	96.7	86.9	98.8	87.2	97.7	85.7	96.6	85.1	94.5	78.7	87.4	76.1	85.3	76.1	87.4
55.0	47.7	41.7	47.7	41.2	47.1	40.8	46.7	40.7	46.0	37.7	43.4	37.8	43.5	37.8	43.4
60.0	24.5	20.9	24.1	20.0	23.7	20.0	24.1	20.8	24.2	19.8	23.5	20.1	24.1	20.1	23.5
65.0	16.1	13.2	16.1	13.1	15.9	13.1	16.3	13.5	16.4	13.0	15.9	13.1	16.2	13.1	15.9
70.0	11.8	9.53	11.9	9.66	12.0	9.79	12.1	9.92	12.2	9.92	12.2	9.98	12.2	9.98	12.2
75.0	11.0	9.08	11.0	9.15	11.0	9.21	11.2	9.40	11.3	9.47	11.4	9.59	11.4	9.59	11.4
80.0	10.3	8.57	10.2	8.57	10.3	8.70	10.4	8.83	10.5	8.83	10.5	8.89	10.6	8.89	10.5
85.0	9.15	7.68	9.21	7.68	9.21	7.74	9.34	7.87	9.40	7.87	9.40	8.00	9.47	8.00	9.40
90.0	7.87	6.97	7.93	7.04	8.00	7.10	8.06	7.16	8.06	7.10	8.00	7.10	8.06	7.10	8.00

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-3K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5843T-3K	**DIMENSION:**	**SERIAL No.:2013051602**

UNIT: cd

C(DEG) / g (DEG)	225	240	255	270	285	300	315	330	345
0.0	1090	1091	1091	1092	1092	1094	1094	1095	1095
5.0	1098	1099	1101	1104	1106	1108	1110	1112	1113
10.0	1116	1120	1123	1127	1129	1133	1134	1138	1138
15.0	1111	1120	1123	1130	1131	1137	1138	1143	1143
20.0	1046	1066	1063	1077	1073	1086	1082	1095	1090
25.0	923	946	945	959	957	970	966	979	975
30.0	746	777	776	794	787	803	794	810	803
35.0	516	565	552	584	565	590	565	592	570
40.0	293	328	322	341	329	344	329	344	328
45.0	149	168	164	174	167	177	170	178	167
50.0	78.7	94.5	85.1	96.6	85.7	97.7	87.2	98.8	86.9
55.0	37.7	46.0	40.7	46.7	40.8	47.1	41.2	47.7	41.7
60.0	19.8	24.2	20.8	24.1	20.0	23.7	20.0	24.1	20.9
65.0	13.0	16.4	13.5	16.3	13.1	15.9	13.1	16.1	13.2
70.0	9.92	12.2	9.92	12.1	9.79	12.0	9.66	11.9	9.53
75.0	9.47	11.3	9.40	11.2	9.21	11.0	9.15	11.0	9.08
80.0	8.83	10.5	8.83	10.4	8.70	10.3	8.57	10.2	8.57
85.0	7.87	9.40	7.87	9.34	7.74	9.21	7.68	9.21	7.68
90.0	7.10	8.06	7.16	8.06	7.10	8.00	7.04	7.93	6.97

Test System:HOPOO HPG1800 **Test Set: 8.0deg/s C-Gamma (TYPE C)**
Temperature:25.3DEG **Humidity:65.0%**
Operators: **Test Distance:8.000 m**
Test Date:2022-12-02 **Remarks:**