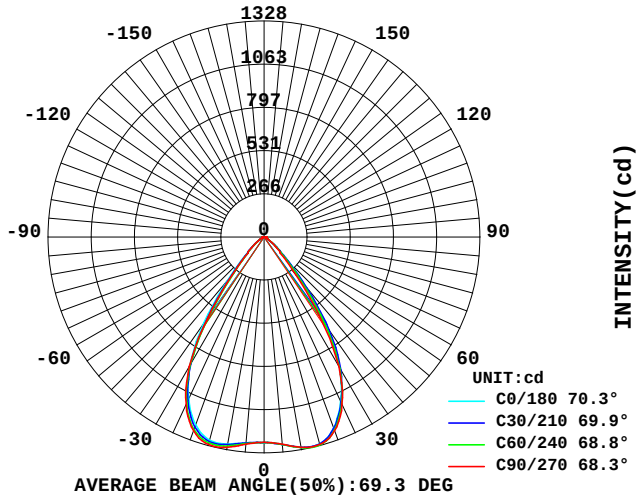
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-6K	DIMENSION:	SERIAL No.:2013051602

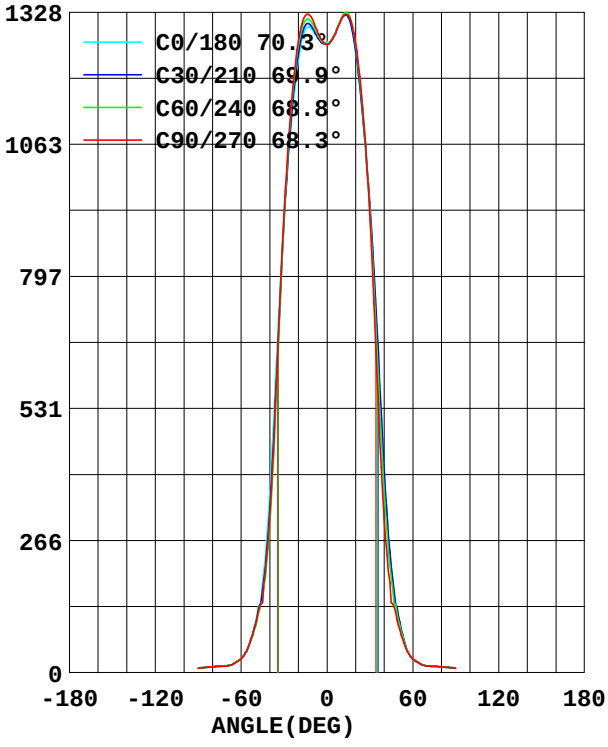
DATA OF LAMP		Imax(cd)	1328	S/MH(C0/180)	1.02
MODEL	HV5843T-6K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.01
NOMINAL POWER(W)	18	TOTAL FLUX(lm)	1617.8	Voltage(V)	229.3
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	91.9	Current(A)	0.079
NOMINAL FLUX(lm)	1617.8	h up(%)	0.0	Power(W)	17.60
LAMPS QUANTITY	1	h down(%)	100.0	Power Factor(PF)	0.963
TEST VOLTAGE(V)	229.4	Effictive Flux(lm)	1505.6	EEI	0.159

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):69.3 DEG

LUMINOUS INTENSITY DISTRIBUTION



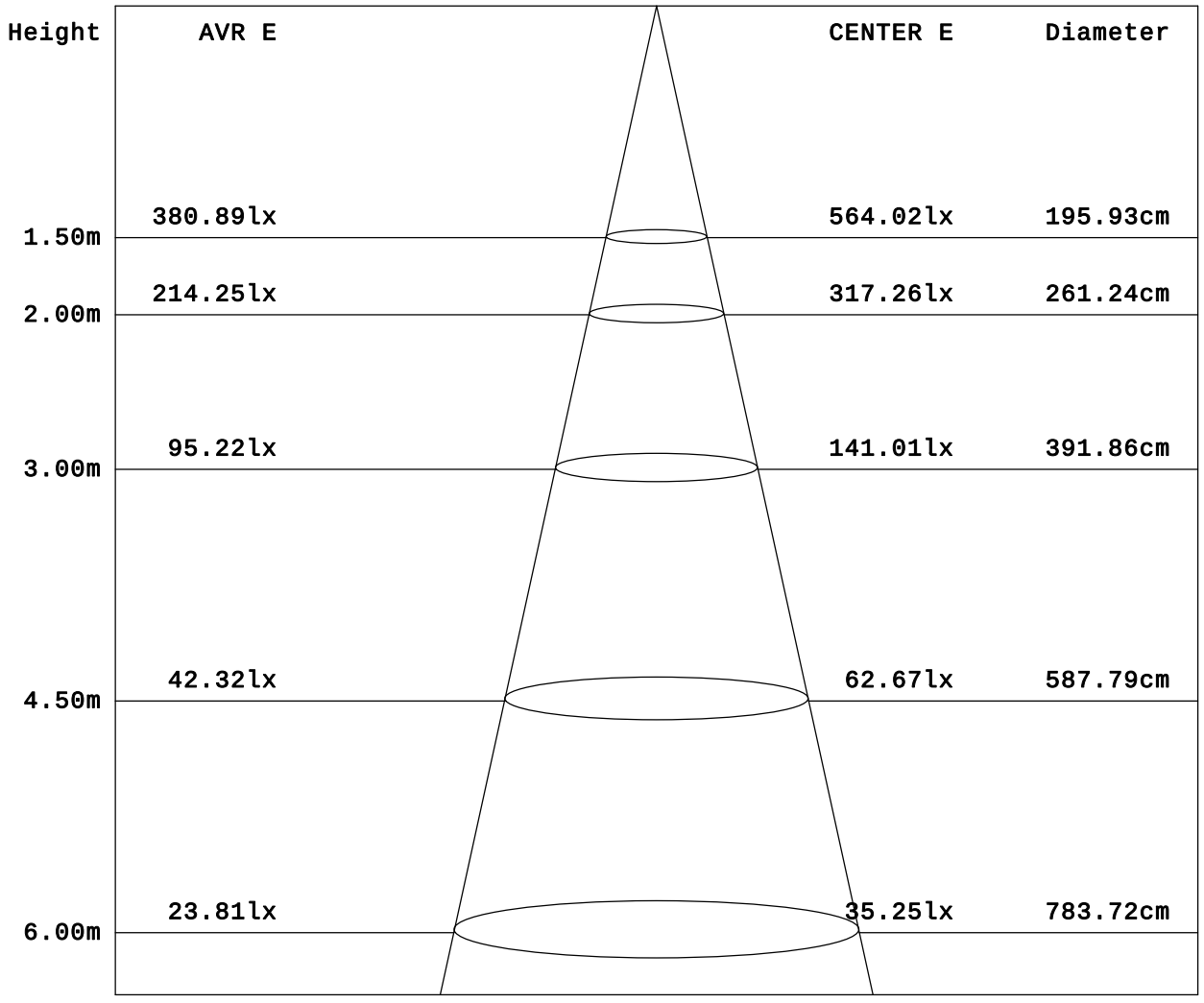
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-6K	DIMENSION:	SERIAL No.:2013051602



Angle:66.3deg

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-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-6K	DIMENSION:	SERIAL No.:2013051602

g	C0	C45	C90	C135	C180	C225	C270	C315	g	zone	total
5.0	1271	1272	1279	1281	1281	1281	1279	1272	0- 5	30.36	30.36
10.0	1293	1300	1313	1314	1314	1314	1313	1300	5- 10	92.54	122.9
15.0	1294	1304	1322	1320	1318	1320	1322	1304	10- 15	155.9	278.8
20.0	1231	1247	1269	1256	1251	1256	1269	1247	15- 20	212.2	491.0
25.0	1098	1107	1134	1117	1114	1117	1134	1107	20- 25	249.4	740.4
30.0	915.0	888.7	921.1	928.7	933.9	928.7	921.1	888.7	25- 30	258.0	998.5
35.0	645.5	571.2	603.4	664.0	685.7	664.0	603.4	571.2	30- 35	227.5	1226
40.0	353.4	287.5	308.0	375.9	402.8	375.9	308.0	287.5	35- 40	158.3	1384
45.0	180.6	150.7	140.5	237.5	211.6	237.5	140.5	150.7	40- 45	92.13	1476
50.0	101.8	86.20	95.48	102.4	112.8	102.4	95.48	86.20	45- 50	53.49	1530
55.0	51.32	44.79	49.91	47.68	52.41	47.68	49.91	44.79	50- 55	31.36	1561
60.0	27.96	24.96	27.39	24.51	26.75	24.51	27.39	24.96	55- 60	16.39	1578
65.0	18.11	15.36	17.66	15.23	17.66	15.23	17.66	15.36	60- 65	10.20	1588
70.0	13.69	11.32	13.31	11.13	13.44	11.13	13.31	11.32	65- 70	7.064	1595
75.0	12.79	10.87	12.60	10.62	12.48	10.62	12.60	10.87	70- 75	6.259	1601
80.0	11.77	10.11	11.64	9.983	11.64	9.983	11.64	10.11	75- 80	6.062	1607
85.0	10.30	8.896	10.36	8.832	10.43	8.832	10.36	8.896	80- 85	5.584	1613
90.0	8.704	7.872	8.768	7.936	8.896	7.936	8.768	7.872	85- 90	4.936	1618
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:

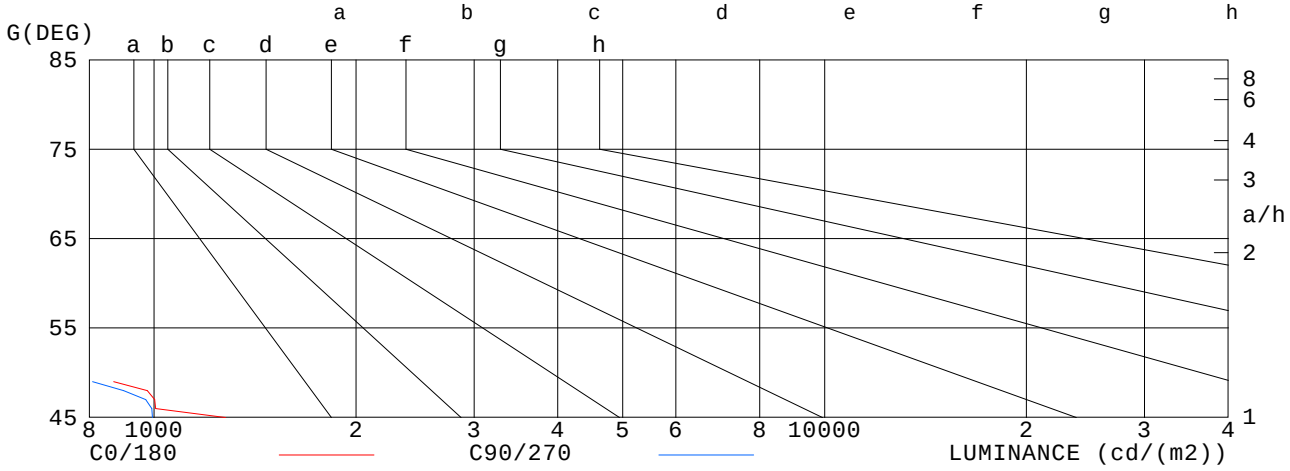
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: Havit Lighting	**Address:**	
NAME: HV5843T-6K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5843T-6K	**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	591	595
80	339	335
75	247	244
70	200	195
65	214	209
60	280	274
55	447	435
50	792	743
45	1278	994

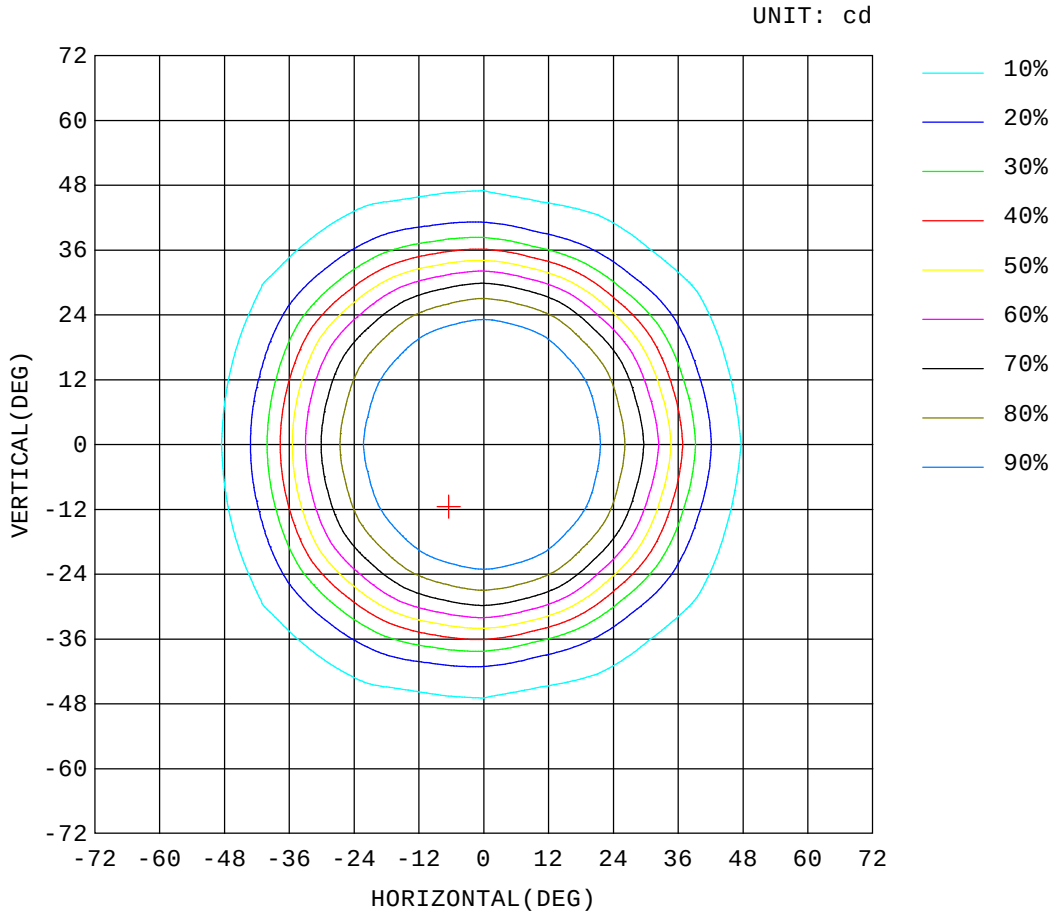
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-6K	DIMENSION:	SERIAL No.:2013051602



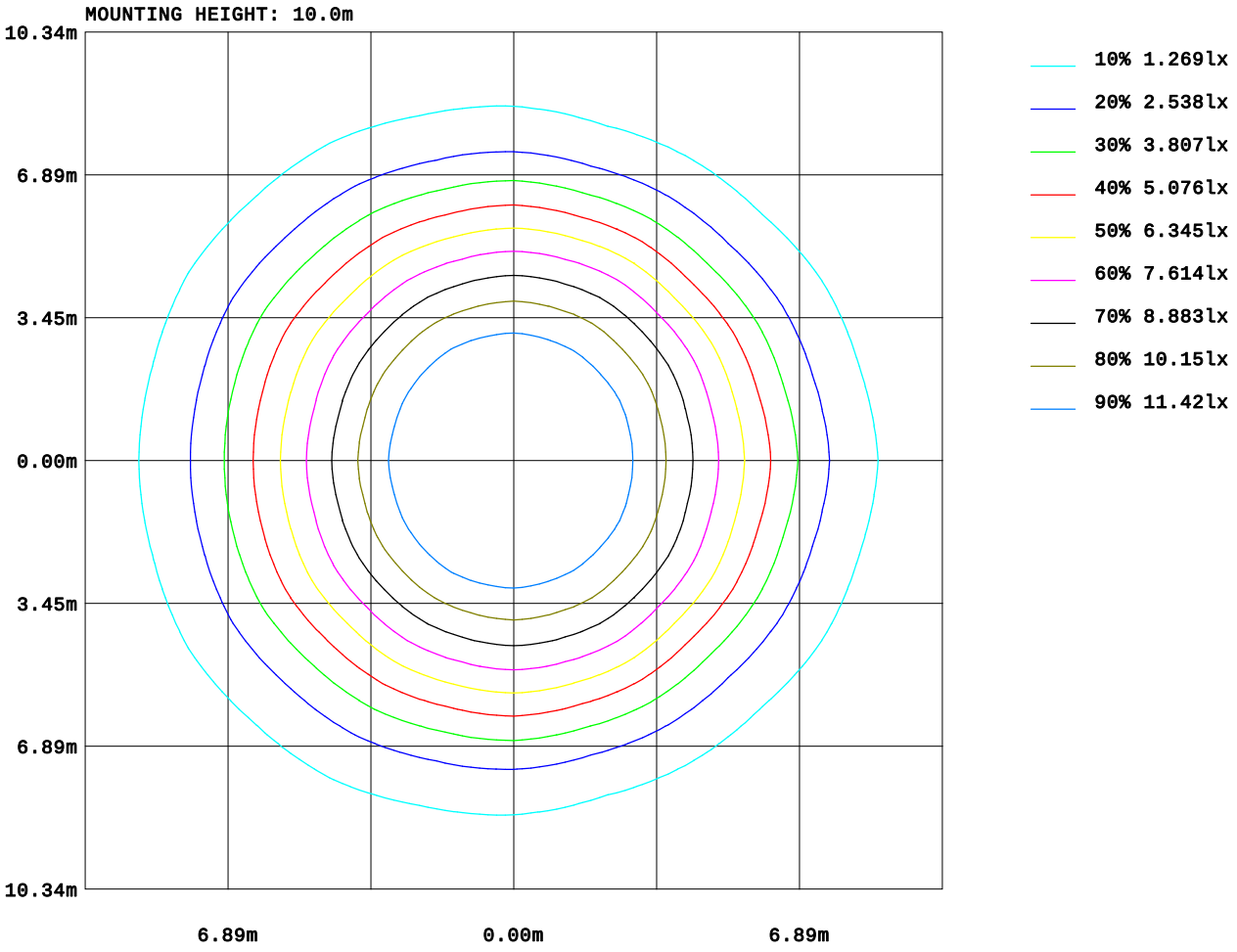
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-6K	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-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-6K	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	0.19	0.23	0.23	0.24	0.28	0.28	0.24	0.24	0.23	0.19	0.16	0.14	0.11	0.08	3.30	0.00
64	0.08	0.12	0.15	0.17	0.24	0.34	0.41	0.45	0.53	0.54	0.46	0.41	0.35	0.24	0.18	0.15	0.12	0.08	5.01	0.00
56	0.08	0.12	0.18	0.26	0.41	0.70	1.03	1.25	1.45	1.42	1.18	0.96	0.68	0.41	0.27	0.18	0.12	0.08	10.7	0.00
48	0.08	0.13	0.24	0.44	0.90	1.70	2.60	3.32	3.68	3.50	2.88	2.19	1.47	0.82	0.44	0.24	0.13	0.08	24.8	14.0
40	0.08	0.14	0.33	0.87	1.96	3.87	6.46	8.86	10.3	9.97	7.84	5.20	2.92	1.60	0.80	0.33	0.15	0.08	61.8	56.0
32	0.09	0.17	0.47	1.50	3.73	7.86	13.0	17.0	19.1	19.0	16.6	11.7	6.32	2.87	1.28	0.46	0.17	0.09	122	118
24	0.09	0.21	0.67	2.24	6.19	12.7	18.3	22.3	24.2	24.1	22.2	17.8	11.3	4.97	1.81	0.63	0.21	0.10	171	167
	0.10	0.24	0.89	2.99	8.41	15.7	21.3	24.6	25.6	25.4	24.4	21.1	14.9	7.21	2.45	0.82	0.25	0.10	197	194
	0.11	0.27	1.04	3.44	9.71	17.0	22.5	25.0	25.0	24.8	24.7	22.2	16.6	8.85	2.92	0.96	0.28	0.11	206	203
	0.11	0.27	1.04	3.44	9.71	17.0	22.5	25.0	25.0	24.8	24.7	22.2	16.6	8.85	2.92	0.96	0.28	0.11	206	203
	0.10	0.24	0.89	2.99	8.41	15.7	21.3	24.6	25.6	25.4	24.4	21.1	14.9	7.21	2.45	0.82	0.25	0.10	197	194
-24	0.09	0.21	0.67	2.24	6.19	12.7	18.3	22.3	24.2	24.1	22.2	17.8	11.3	4.97	1.81	0.63	0.21	0.10	171	167
-32	0.09	0.17	0.47	1.50	3.73	7.86	13.0	17.0	19.1	19.0	16.6	11.7	6.32	2.87	1.28	0.46	0.17	0.09	122	118
-40	0.08	0.14	0.33	0.87	1.96	3.87	6.46	8.86	10.3	9.97	7.84	5.20	2.92	1.60	0.80	0.33	0.15	0.08	61.8	56.0
-48	0.08	0.13	0.24	0.44	0.90	1.70	2.60	3.32	3.68	3.50	2.88	2.19	1.47	0.82	0.44	0.24	0.13	0.08	24.8	14.0
-56	0.08	0.12	0.18	0.26	0.41	0.70	1.03	1.25	1.45	1.42	1.18	0.96	0.68	0.41	0.27	0.18	0.12	0.08	10.7	0.00
-64	0.08	0.12	0.15	0.17	0.24	0.34	0.41	0.45	0.53	0.54	0.46	0.41	0.35	0.24	0.18	0.15	0.12	0.08	5.01	0.00
-72	0.07	0.11	0.14	0.15	0.19	0.23	0.23	0.24	0.28	0.28	0.24	0.24	0.23	0.19	0.16	0.14	0.11	0.08	3.30	0.00
F t	1.56	3.02	8.22	24.1	63.5	121	172	207	221	219	201	164	110	54.3	20.6	7.81	3.10	1.59	1618	
F a	0.00	0.00	0.05	16.8	57.7	115	167	202	216	213	196	158	104	47.7	11.7	0.00	0.00	0.00		1506

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

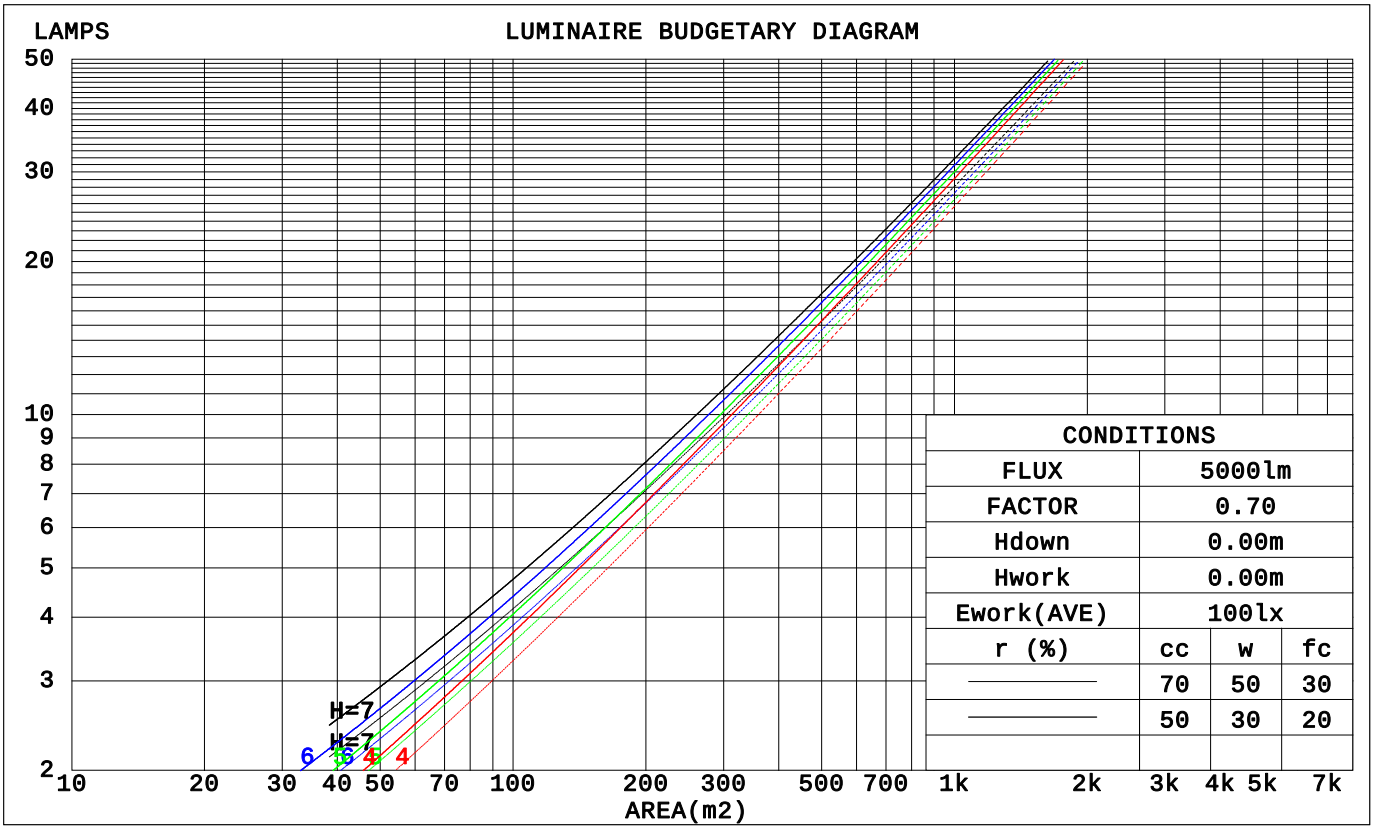
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-6K	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	.80	.75	.83	.78	.74	.81	.77	.73	.79	.75	.73	.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	.68	.62	.58	.66	.61	.58	.65	.61	.57	.56
8.0	.65	.59	.54	.65	.58	.54	.63	.58	.54	.62	.57	.54	.61	.57	.53	.52
9.0	.61	.55	.50	.61	.54	.50	.60	.54	.50	.59	.54	.50	.58	.53	.50	.48
10.0	.57	.51	.47	.57	.51	.47	.56	.51	.47	.55	.50	.47	.54	.50	.46	.45



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-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-6K	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	.169	.098	.031	.159	.092	.030	
2.0	.191	.104	.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	.167	.088	.026	.159	.084	.025	.152	.082	.025	.145	.079	.024	
5.0	.163	.083	.024	.159	.082	.024	.152	.079	.023	.146	.077	.023	.140	.075	.022	
6.0	.155	.078	.022	.152	.077	.022	.146	.075	.022	.140	.073	.021	.134	.071	.021	
7.0	.148	.073	.021	.145	.072	.021	.139	.070	.020	.134	.069	.020	.129	.067	.020	
8.0	.141	.069	.019	.138	.068	.019	.133	.067	.019	.129	.065	.019	.124	.064	.019	
9.0	.135	.065	.018	.132	.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	.115	.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	.050	.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	.122	.079	.048	.105	.068	.041	.073	.048	.029	.042	.028	.017	.014	.009	.006	
7.0	.116	.071	.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	.023	.013	.012	.008	.004	
9.0	.105	.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-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-6K	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	9.1	10.2	9.3	10.3	10.5
3H	9.3	10.3	9.6	10.5	10.7	9.0	10.0	9.3	10.2	10.4
4H	9.3	10.2	9.6	10.4	10.7	9.0	10.0	9.3	10.2	10.4
6H	9.4	10.2	9.7	10.5	10.7	9.1	10.0	9.4	10.2	10.5
8H	9.5	10.3	9.8	10.5	10.8	9.2	10.0	9.5	10.3	10.6
12H	9.6	10.4	9.9	10.7	10.9	9.4	10.2	9.7	10.4	10.7
4H 2H	9.2	10.1	9.5	10.3	10.5	8.9	9.8	9.2	10.1	10.3
3H	9.1	9.9	9.5	10.2	10.5	8.9	9.7	9.2	10.0	10.2
4H	9.2	9.9	9.6	10.2	10.5	9.0	9.7	9.3	10.0	10.3
6H	9.4	10.0	9.8	10.4	10.7	9.2	9.8	9.5	10.1	10.5
8H	9.5	10.1	9.9	10.5	10.9	9.3	9.9	9.7	10.3	10.6
12H	9.8	10.3	10.2	10.7	11.1	9.6	10.1	10.0	10.5	10.9
8H 4H	9.2	9.8	9.6	10.1	10.5	8.9	9.5	9.3	9.9	10.2
6H	9.5	10.0	9.9	10.4	10.8	9.3	9.7	9.7	10.1	10.6
8H	9.7	10.2	10.2	10.6	11.0	9.5	10.0	10.0	10.4	10.8
12H	10.1	10.5	10.6	11.0	11.4	10.0	10.3	10.4	10.8	11.3
12H 4H	9.2	9.7	9.6	10.1	10.5	8.9	9.5	9.3	9.8	10.2
6H	9.5	9.9	9.9	10.3	10.8	9.3	9.7	9.7	10.1	10.6
8H	9.8	10.2	10.3	10.6	11.1	9.6	10.0	10.1	10.5	10.9
Variations with the observer position at spacings:										
S = 1.0H	+ 2.5 / - 3.1					+ 2.4 / - 2.7				
1.5H	+ 4.1 / - 2.9					+ 3.9 / - 2.5				
2.0H	+ 3.5 / - 1.6					+ 2.5 / - 1.4				

CIE Pub.117 Corrected 1618 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.7)

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-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-6K	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	75	71	67
0.80	91	84	80	90	83	79	89	83	79	75
1.00	96	89	85	95	89	85	93	89	85	80
1.25	100	94	91	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	108	108	106	104	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004	Suspended								SHRNOM = 1.25	

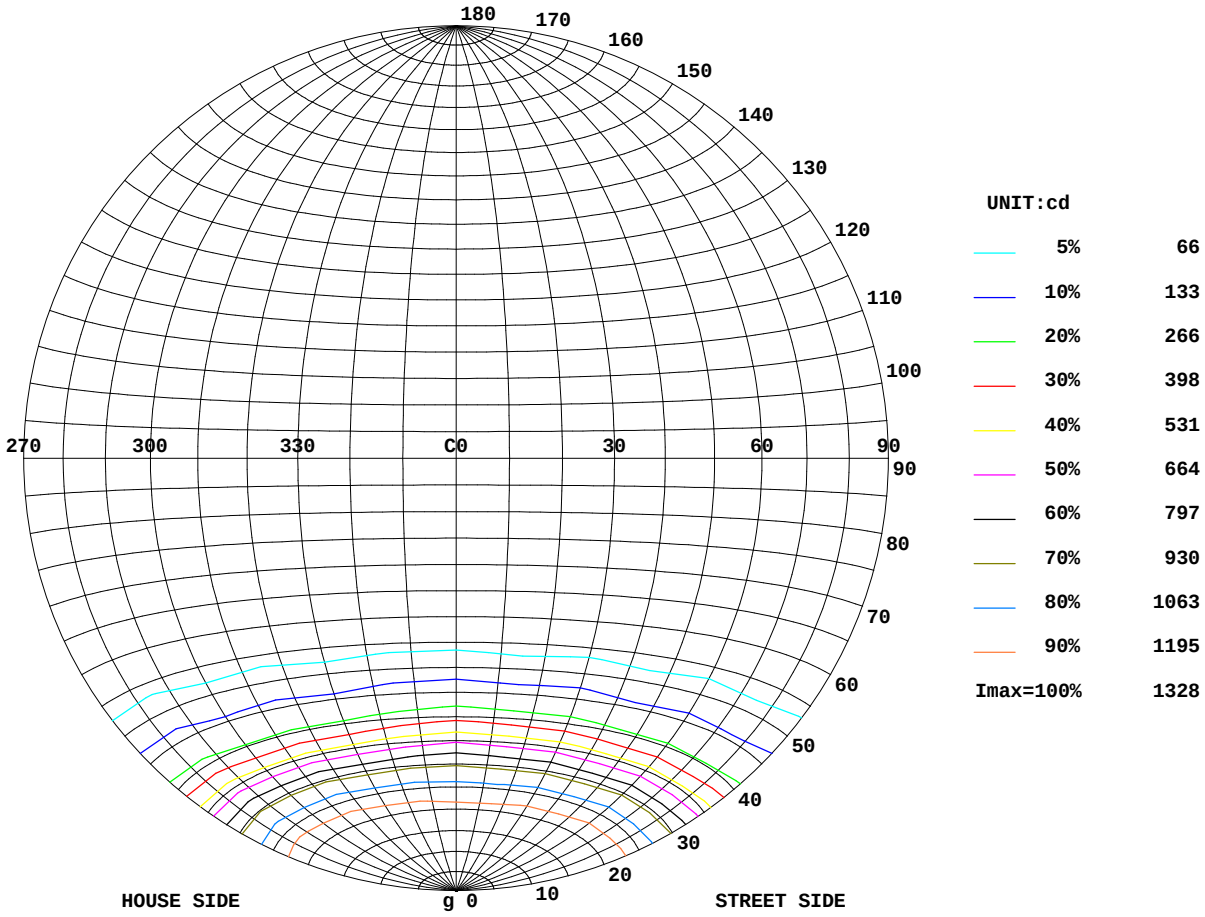
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-6K	DIMENSION:	SERIAL No.:2013051602



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

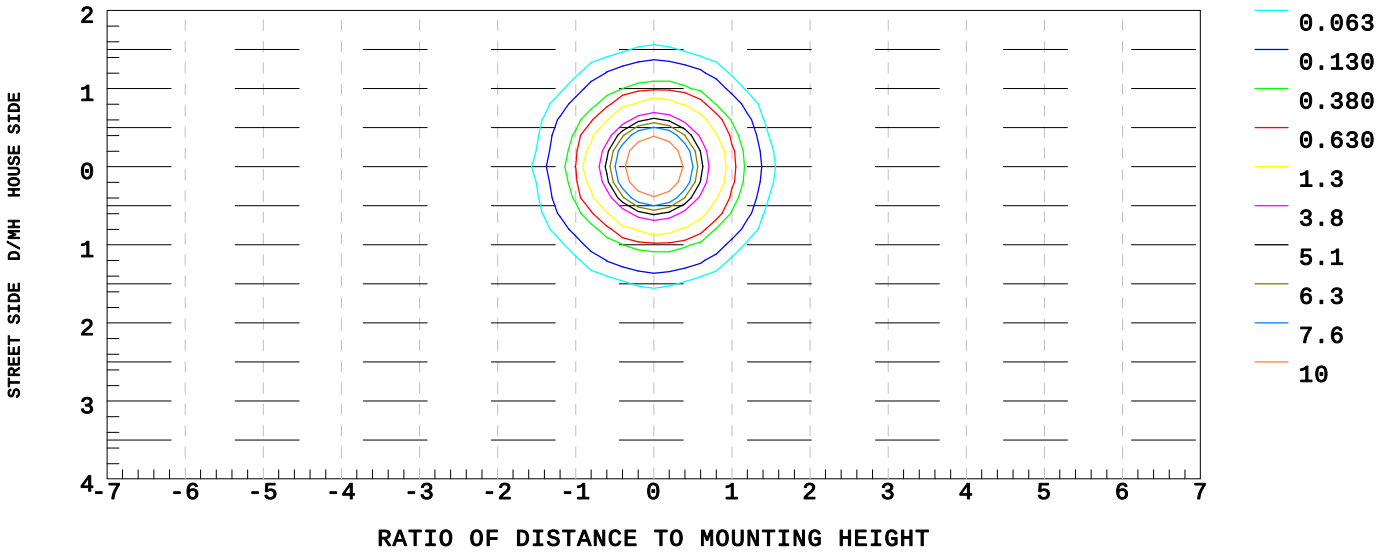
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

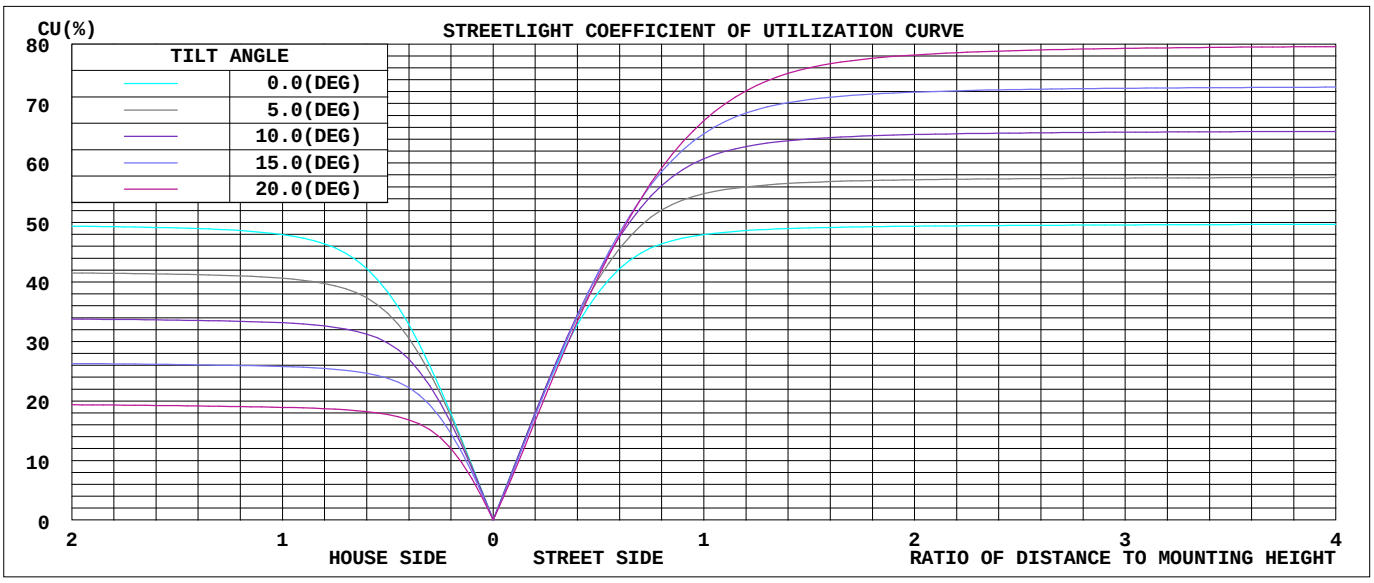
ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5843T-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-6K	DIMENSION:	SERIAL No.:2013051602

ILLUMINANCE AT MH=10 m,Enadir = 12.69 lx





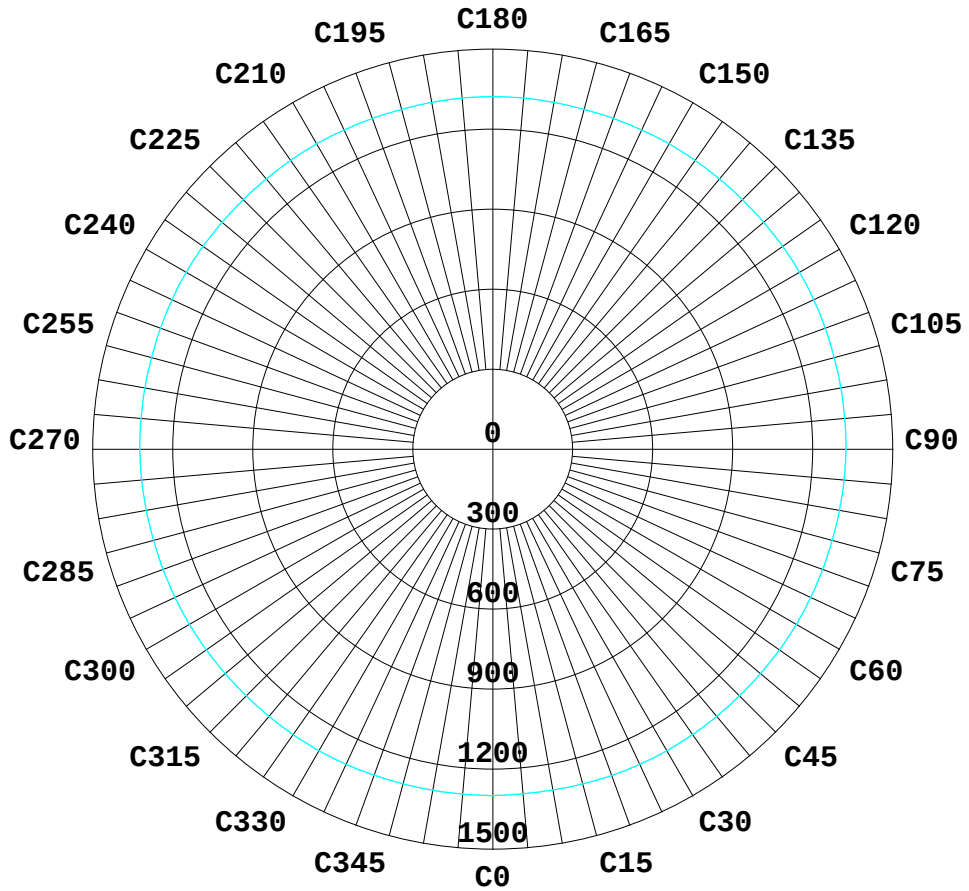
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5843T-6K	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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: Havit Lighting	**Address:**	
NAME: HV5843T-6K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5843T-6K	**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	1269	1265	1265	1263	1263	1263	1263	1262	1262	1261	1261	1261	1260	1261	1261
5.0	1271	1268	1271	1272	1275	1277	1279	1280	1281	1281	1281	1280	1281	1280	1281
10.0	1293	1292	1297	1300	1305	1309	1313	1315	1316	1314	1314	1312	1314	1312	1314
15.0	1294	1295	1302	1304	1312	1315	1322	1322	1325	1320	1318	1314	1318	1314	1318
20.0	1231	1231	1244	1247	1260	1261	1269	1263	1265	1256	1254	1245	1251	1245	1254
25.0	1098	1093	1109	1107	1126	1123	1134	1124	1129	1117	1119	1107	1114	1107	1119
30.0	915	896	904	889	909	902	921	913	934	929	945	932	934	932	945
35.0	646	610	606	571	582	569	603	610	654	664	698	687	686	687	698
40.0	353	325	320	288	289	278	308	321	364	376	409	398	403	398	409
45.0	181	167	166	151	142	147	141	168	190	238	214	239	212	239	214
50.0	102	91.3	96.7	86.2	92.4	85.1	95.4	92.0	106	102	115	106	113	106	115
55.0	51.3	45.5	50.8	44.7	49.9	44.2	49.9	45.7	52.9	47.6	54.0	47.1	52.4	47.1	54.0
60.0	27.9	24.3	28.2	24.9	28.5	24.1	27.3	23.8	27.9	24.5	28.0	23.4	26.7	23.4	28.0
65.0	18.1	15.2	18.3	15.3	18.4	15.1	17.6	14.9	18.1	15.2	18.1	14.9	17.6	14.9	18.1
70.0	13.6	11.3	13.6	11.3	13.5	11.2	13.3	11.1	13.5	11.1	13.5	11.0	13.4	11.0	13.5
75.0	12.7	10.9	12.8	10.8	12.7	10.7	12.6	10.6	12.6	10.6	12.5	10.6	12.4	10.6	12.5
80.0	11.7	10.1	11.8	10.1	11.7	10.0	11.6	9.98	11.6	9.98	11.7	9.98	11.6	9.98	11.7
85.0	10.3	8.83	10.3	8.89	10.3	8.83	10.3	8.83	10.4	8.83	10.4	8.89	10.4	8.89	10.4
90.0	8.70	7.80	8.76	7.87	8.76	7.87	8.76	7.87	8.83	7.93	8.89	8.00	8.89	8.00	8.89

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-6K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5843T-6K	**DIMENSION:**	**SERIAL No.:2013051602**

UNIT: cd

C(DEG) / g (DEG)	225	240	255	270	285	300	315	330	345
0.0	1261	1262	1262	1263	1263	1263	1263	1265	1265
5.0	1281	1281	1280	1279	1277	1275	1272	1271	1268
10.0	1314	1316	1315	1313	1309	1305	1300	1297	1292
15.0	1320	1325	1322	1322	1315	1312	1304	1302	1295
20.0	1256	1265	1263	1269	1261	1260	1247	1244	1231
25.0	1117	1129	1124	1134	1123	1126	1107	1109	1093
30.0	929	934	913	921	902	909	889	904	896
35.0	664	654	610	603	569	582	571	606	610
40.0	376	364	321	308	278	289	288	320	325
45.0	238	190	168	141	147	142	151	166	167
50.0	102	106	92.0	95.4	85.1	92.4	86.2	96.7	91.3
55.0	47.6	52.9	45.7	49.9	44.2	49.9	44.7	50.8	45.5
60.0	24.5	27.9	23.8	27.3	24.1	28.5	24.9	28.2	24.3
65.0	15.2	18.1	14.9	17.6	15.1	18.4	15.3	18.3	15.2
70.0	11.1	13.5	11.1	13.3	11.2	13.5	11.3	13.6	11.3
75.0	10.6	12.6	10.6	12.6	10.7	12.7	10.8	12.8	10.9
80.0	9.98	11.6	9.98	11.6	10.0	11.7	10.1	11.8	10.1
85.0	8.83	10.4	8.83	10.3	8.83	10.3	8.89	10.3	8.83
90.0	7.93	8.83	7.87	8.76	7.87	8.76	7.87	8.76	7.80

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: