IES Flood Report
Photometric Filename:HV5841T-6K.IES

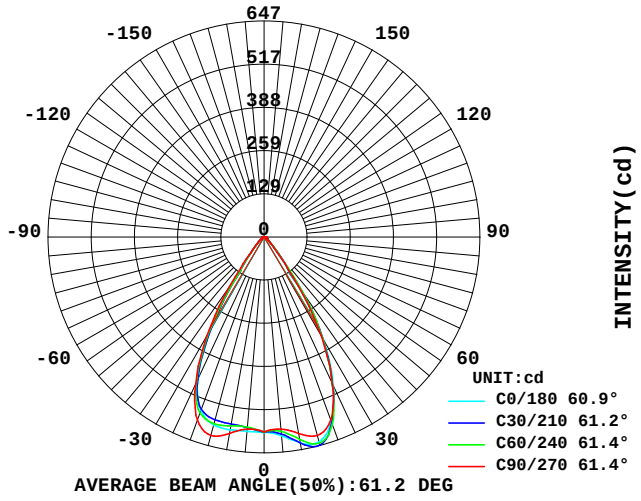
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5841T-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-6K	DIMENSION:	SERIAL No.:2013051602

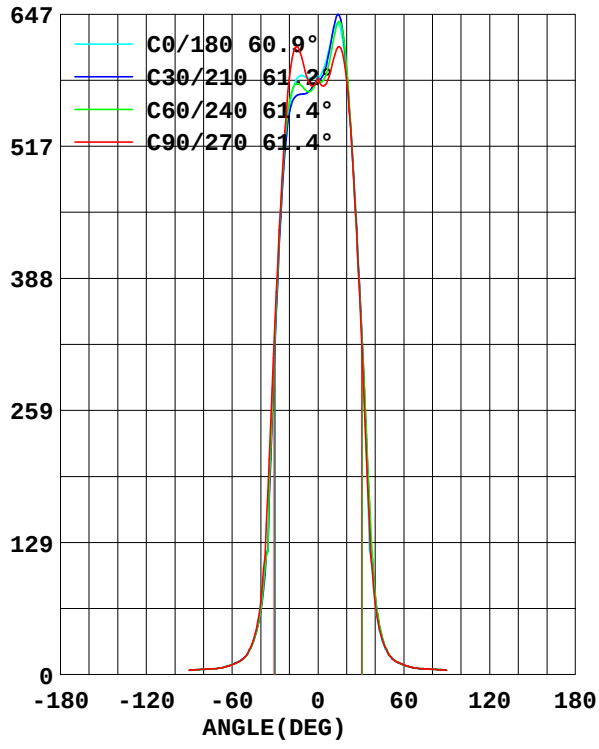
DATA OF LAMP		Imax(cd)	646.5	S/MH(C0/180)	0.89
MODEL	HV5841T-6K	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.92
NOMINAL POWER(W)	7	TOTAL FLUX(lm)	601.79	Voltage(V)	229.3
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	85.1	Current(A)	0.034
NOMINAL FLUX(lm)	601.8	h up(%)	0.0	Power(W)	7.070
LAMPS QUANTITY	1	h down(%)	100.0	Power Factor(PF)	0.885
TEST VOLTAGE(V)	229.3	Effictive Flux(lm)	548.9	EEI	0.149

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):61.2 DEG

LUMINOUS INTENSITY DISTRIBUTION



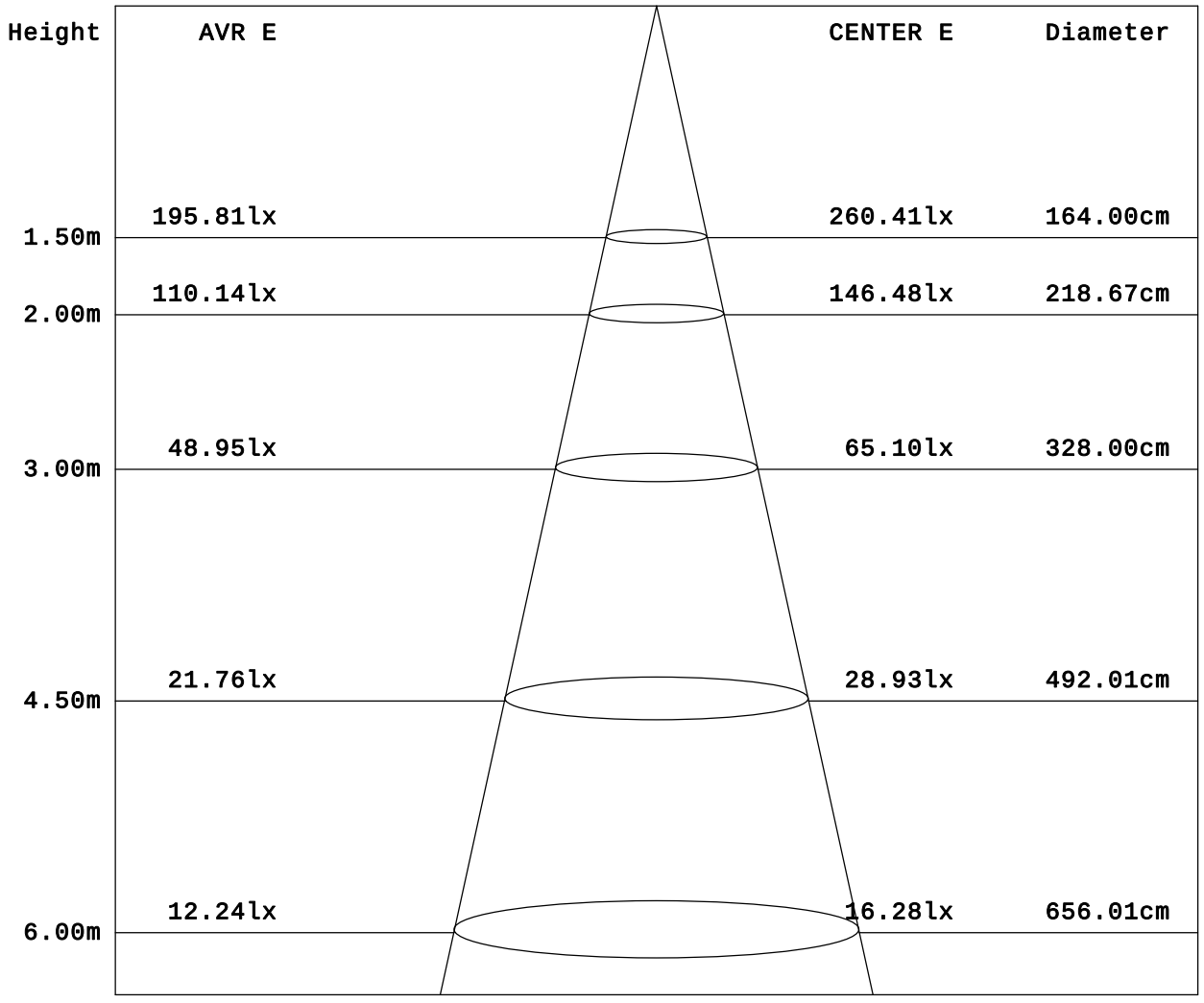
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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: HV5841T-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-6K	DIMENSION:	SERIAL No.:2013051602



Angle:57.3deg

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: HV5841T-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-6K	DIMENSION:	SERIAL No.:2013051602

g	C0	C45	C90	C135	C180	C225	C270	C315	g	zone	total
5.0	583.9	568.6	577.0	587.0	597.3	587.0	577.0	568.6	0- 5	13.86	13.86
10.0	586.0	565.7	597.5	619.3	625.9	619.3	597.5	565.7	5- 10	42.06	55.93
15.0	582.8	564.4	614.9	639.2	635.6	639.2	614.9	564.4	10- 15	71.70	127.6
20.0	553.1	546.3	583.9	588.6	587.9	588.6	583.9	546.3	15- 20	97.74	225.3
25.0	468.0	464.0	484.6	472.2	491.4	472.2	484.6	464.0	20- 25	110.6	336.0
30.0	321.0	313.8	345.7	342.4	355.4	342.4	345.7	313.8	25- 30	102.6	438.7
35.0	123.8	135.6	179.9	195.6	177.7	195.6	179.9	135.6	30- 35	73.80	512.5
40.0	64.06	53.82	69.76	71.29	67.64	71.29	69.76	53.82	35- 40	35.77	548.3
45.0	33.27	28.09	34.43	31.80	32.89	31.80	34.43	28.09	40- 45	17.09	565.4
50.0	18.81	15.29	19.00	15.74	18.24	15.74	19.00	15.29	45- 50	9.471	574.8
55.0	12.92	10.30	12.73	9.856	12.41	9.856	12.73	10.30	50- 55	6.058	580.9
60.0	9.856	7.488	9.599	6.976	9.471	6.976	9.599	7.488	55- 60	4.545	585.4
65.0	7.552	5.632	7.424	5.312	7.232	5.312	7.424	5.632	60- 65	3.609	589.1
70.0	6.144	4.480	6.144	4.480	6.080	4.480	6.144	4.480	65- 70	2.897	591.9
75.0	5.504	4.096	5.632	4.160	5.632	4.160	5.632	4.096	70- 75	2.620	594.6
80.0	5.184	3.968	5.248	4.032	5.248	4.032	5.248	3.968	75- 80	2.537	597.1
85.0	4.800	3.648	4.800	3.712	4.800	3.712	4.800	3.648	80- 85	2.411	599.5
90.0	4.160	3.456	4.160	3.520	4.160	3.520	4.160	3.456	85- 90	2.229	601.7
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:

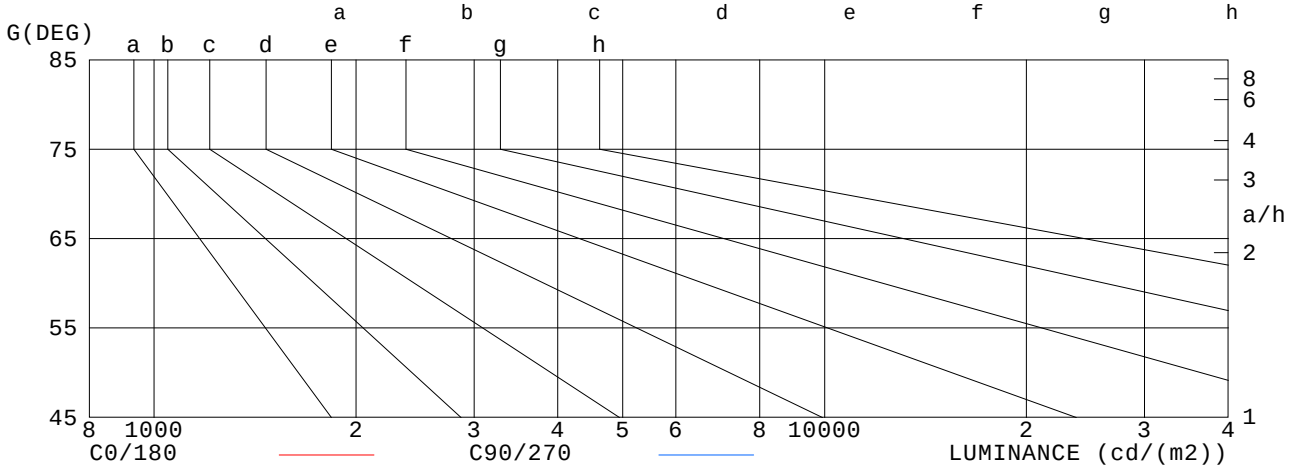
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: Havit Lighting	**Address:**	
NAME: HV5841T-6K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5841T-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



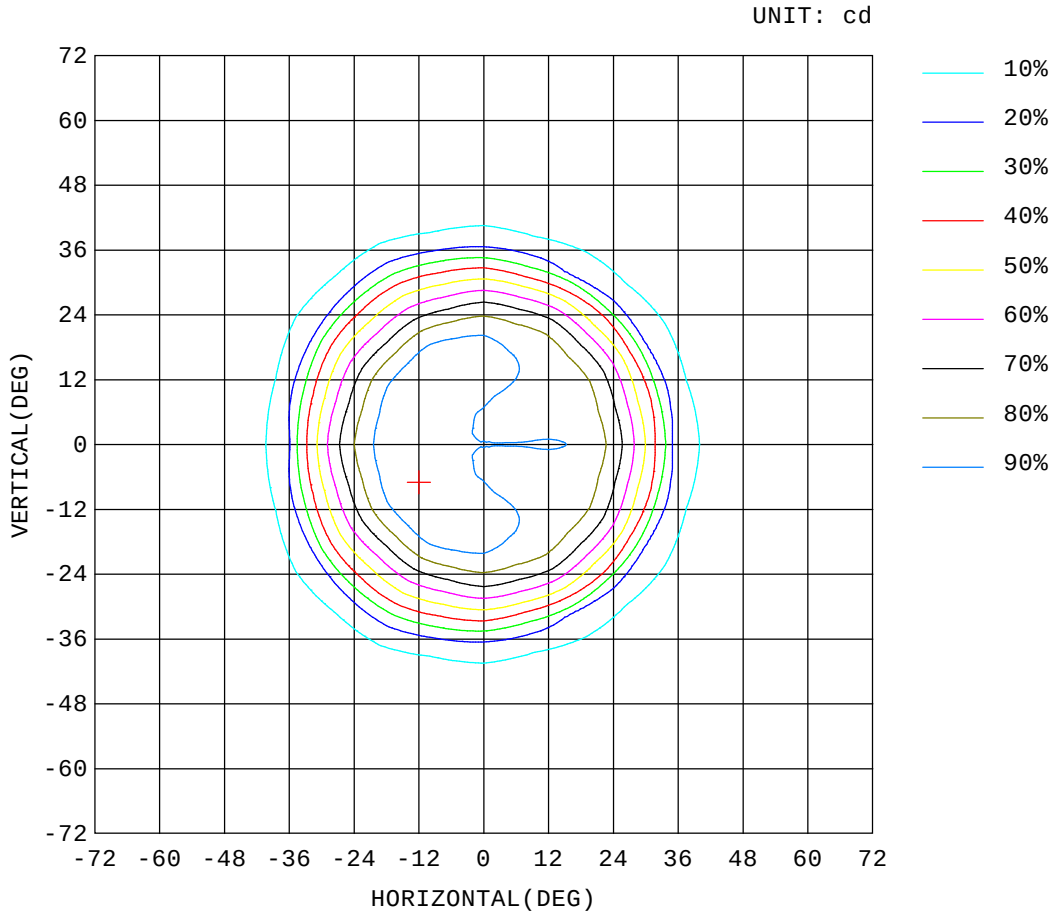
LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	275	275
80	149	151
75	106	109
70	90	90
65	89	88
60	99	96
55	113	111
50	146	148
45	235	243

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:**

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5841T-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-6K	DIMENSION:	SERIAL No.:2013051602



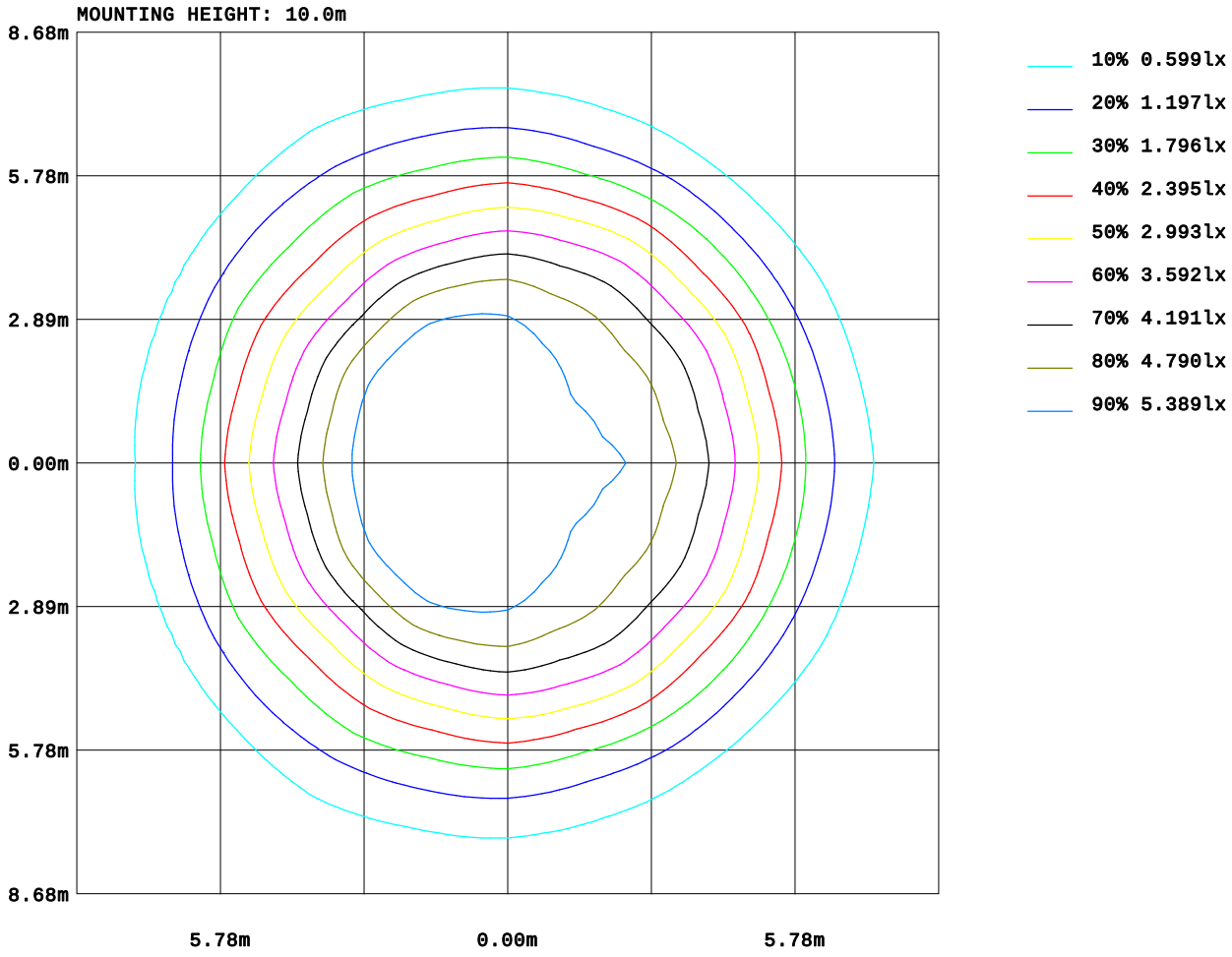
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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: HV5841T-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-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: HV5841T-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-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	0.03	0.05	0.06	0.06	0.08	0.10	0.10	0.10	0.12	0.12	0.10	0.10	0.10	0.08	0.06	0.06	0.05	0.03	1.37	0.00
64	0.03	0.05	0.07	0.07	0.09	0.13	0.14	0.14	0.17	0.18	0.15	0.14	0.13	0.09	0.07	0.06	0.05	0.03	1.79	0.00
56	0.03	0.05	0.08	0.09	0.12	0.18	0.23	0.24	0.30	0.30	0.24	0.23	0.19	0.13	0.10	0.08	0.05	0.03	2.65	0.00
48	0.03	0.05	0.09	0.13	0.17	0.30	0.49	0.62	0.76	0.74	0.57	0.45	0.29	0.18	0.13	0.09	0.05	0.03	5.17	0.00
40	0.03	0.05	0.10	0.18	0.31	0.65	1.43	2.34	2.96	2.77	1.87	1.11	0.56	0.30	0.19	0.11	0.06	0.03	15.0	11.1
32	0.04	0.06	0.12	0.25	0.64	1.76	4.24	6.38	7.50	7.40	5.94	3.35	1.27	0.55	0.25	0.12	0.06	0.04	40.0	37.3
24	0.04	0.07	0.13	0.34	1.17	3.96	7.24	9.92	11.0	10.8	9.62	6.91	3.11	0.93	0.32	0.13	0.07	0.04	65.9	63.9
	0.04	0.08	0.16	0.44	1.85	5.77	9.53	11.8	12.0	11.4	10.6	9.09	5.20	1.44	0.42	0.16	0.08	0.04	80.3	78.5
	0.05	0.09	0.18	0.54	2.37	6.78	10.4	12.0	11.5	11.1	10.8	9.79	6.30	1.99	0.53	0.19	0.09	0.05	85.1	83.3
	0.05	0.09	0.18	0.54	2.37	6.78	10.4	12.0	11.5	11.1	10.8	9.79	6.30	1.99	0.53	0.19	0.09	0.05	85.1	83.3
	0.04	0.08	0.16	0.44	1.85	5.77	9.53	11.8	12.0	11.4	10.6	9.09	5.20	1.44	0.42	0.16	0.08	0.04	80.3	78.5
-24	0.04	0.07	0.13	0.34	1.17	3.96	7.24	9.92	11.0	10.8	9.62	6.91	3.11	0.93	0.32	0.13	0.07	0.04	65.9	63.9
-32	0.04	0.06	0.12	0.25	0.64	1.76	4.24	6.38	7.50	7.40	5.94	3.35	1.27	0.55	0.25	0.12	0.06	0.04	40.0	37.3
-40	0.03	0.05	0.10	0.18	0.31	0.65	1.43	2.34	2.96	2.77	1.87	1.11	0.56	0.30	0.19	0.11	0.06	0.03	15.0	11.1
-48	0.03	0.05	0.09	0.13	0.17	0.30	0.49	0.62	0.76	0.74	0.57	0.45	0.29	0.18	0.13	0.09	0.05	0.03	5.17	0.00
-56	0.03	0.05	0.08	0.09	0.12	0.18	0.23	0.24	0.30	0.30	0.24	0.23	0.19	0.13	0.10	0.08	0.05	0.03	2.65	0.00
-64	0.03	0.05	0.07	0.07	0.09	0.13	0.14	0.14	0.17	0.18	0.15	0.14	0.13	0.09	0.07	0.06	0.05	0.03	1.79	0.00
-72	0.03	0.05	0.06	0.06	0.08	0.10	0.10	0.10	0.12	0.12	0.10	0.10	0.10	0.08	0.06	0.06	0.05	0.03	1.37	0.00
F t	0.65	1.11	1.96	4.19	13.6	39.3	67.7	87.3	93.0	89.7	80.1	62.3	34.3	11.4	4.12	2.01	1.14	0.65	602	
F a	0.00	0.00	0.00	0.00	9.91	36.3	65.0	84.9	90.3	86.9	77.4	59.4	31.0	7.16	0.00	0.00	0.00	0.00		549

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

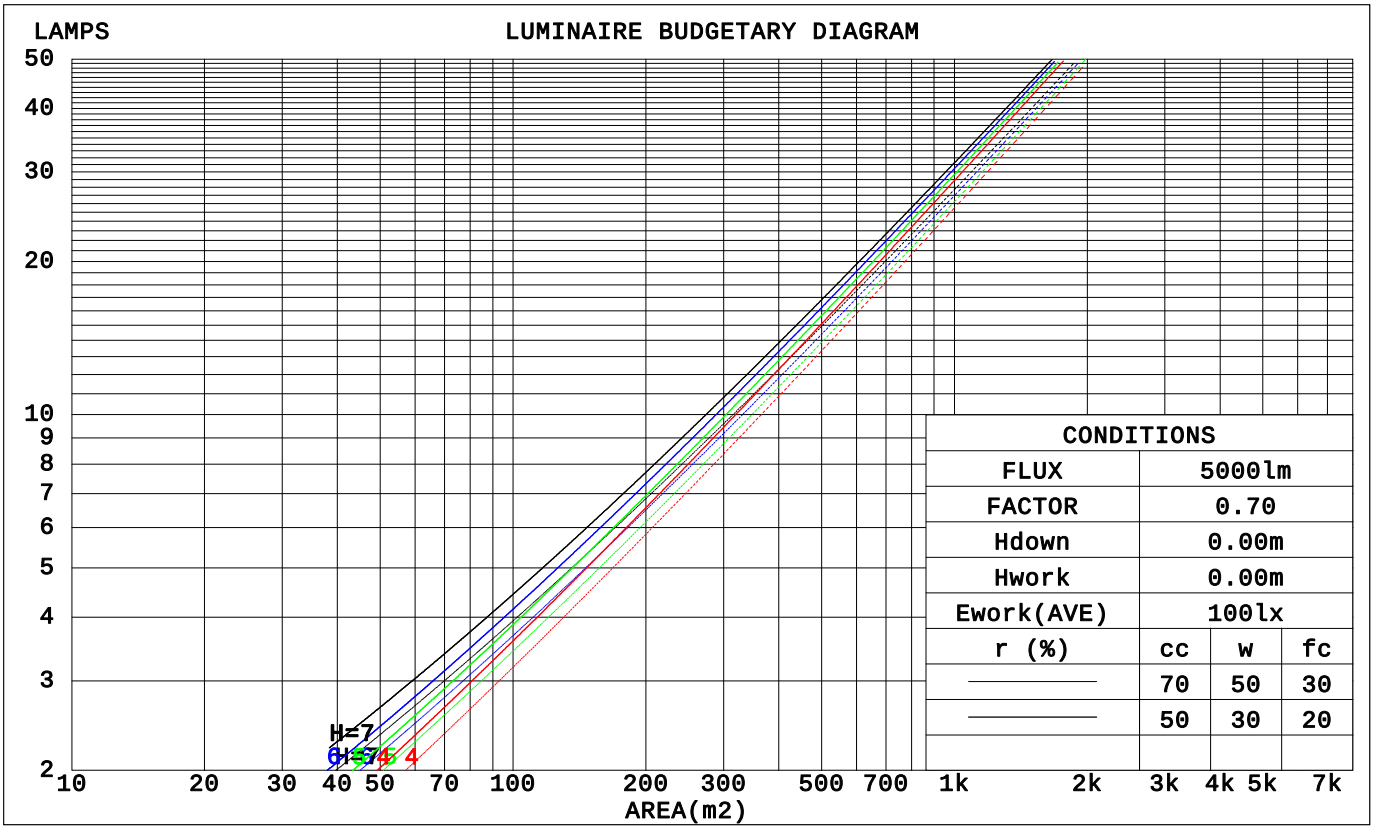
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5841T-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-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	1.05	1.08	1.05	1.03	1.04	1.02	1.00	1.00	.99	.97	.97	.95	.94	.92
2.0	1.02	.98	.94	1.00	.97	.93	.97	.94	.91	.94	.92	.89	.91	.89	.87	.86
3.0	.95	.90	.86	.94	.89	.85	.91	.87	.84	.89	.85	.82	.86	.84	.81	.80
4.0	.89	.83	.79	.88	.82	.78	.85	.81	.77	.83	.80	.76	.82	.78	.76	.74
5.0	.83	.77	.73	.82	.77	.72	.80	.75	.72	.79	.74	.71	.77	.73	.70	.69
6.0	.78	.72	.67	.77	.71	.67	.76	.71	.67	.74	.70	.66	.73	.69	.66	.64
7.0	.73	.67	.63	.73	.67	.63	.71	.66	.62	.70	.65	.62	.69	.65	.62	.60
8.0	.69	.63	.59	.68	.63	.59	.67	.62	.58	.66	.62	.58	.65	.61	.58	.57
9.0	.65	.59	.55	.65	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.54	.53
10.0	.62	.56	.52	.61	.56	.52	.60	.55	.52	.60	.55	.52	.59	.54	.51	.50



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: HV5841T-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-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	.192	.109	.034	.185	.105	.033	.172	.099	.032	.160	.093	.030	.150	.087	.028	
2.0	.180	.099	.030	.174	.096	.030	.163	.091	.028	.154	.086	.027	.144	.082	.026	
3.0	.169	.090	.027	.165	.088	.027	.155	.084	.026	.147	.081	.025	.139	.077	.024	
4.0	.160	.083	.024	.156	.082	.024	.148	.079	.023	.141	.076	.023	.134	.073	.022	
5.0	.152	.077	.022	.148	.076	.022	.141	.074	.022	.135	.071	.021	.129	.069	.021	
6.0	.145	.072	.021	.141	.071	.021	.135	.069	.020	.130	.067	.020	.124	.065	.019	
7.0	.138	.068	.019	.135	.067	.019	.130	.065	.019	.125	.064	.019	.120	.062	.018	
8.0	.132	.064	.018	.129	.064	.018	.124	.062	.018	.120	.061	.018	.116	.059	.017	
9.0	.126	.061	.017	.124	.060	.017	.119	.059	.017	.115	.058	.017	.111	.057	.016	
10.0	.121	.058	.016	.119	.057	.016	.115	.056	.016	.111	.055	.016	.108	.054	.016	

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	.172	.157	.144	.147	.135	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.157	.132	.112	.135	.114	.096	.092	.079	.067	.053	.046	.039	.017	.015	.013	
3.0	.145	.114	.089	.124	.098	.077	.085	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.135	.099	.072	.116	.086	.062	.080	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.126	.087	.059	.108	.076	.051	.075	.053	.036	.043	.031	.021	.014	.010	.007	
6.0	.119	.078	.049	.102	.068	.043	.070	.047	.030	.041	.028	.018	.013	.009	.006	
7.0	.112	.071	.042	.097	.061	.036	.067	.043	.026	.039	.025	.015	.013	.008	.005	
8.0	.107	.065	.036	.092	.056	.031	.064	.039	.022	.037	.023	.013	.012	.008	.004	
9.0	.102	.059	.031	.087	.052	.027	.061	.036	.019	.035	.021	.011	.011	.007	.004	
10.0	.097	.055	.027	.084	.048	.024	.058	.034	.017	.034	.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: HV5841T-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-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	3.1	4.1	3.3	4.2	4.4	3.3	4.3	3.6	4.5	4.7
3H	3.2	4.1	3.4	4.3	4.5	3.4	4.3	3.7	4.5	4.7
4H	3.3	4.2	3.6	4.4	4.6	3.6	4.4	3.8	4.6	4.9
6H	3.7	4.5	4.0	4.7	5.0	3.9	4.7	4.2	4.9	5.2
8H	4.0	4.7	4.3	5.0	5.3	4.2	4.9	4.5	5.2	5.4
12H	4.4	5.1	4.7	5.4	5.7	4.6	5.3	4.9	5.6	5.9
4H 2H	3.0	3.8	3.2	4.0	4.3	3.2	4.1	3.5	4.3	4.5
3H	3.2	3.9	3.5	4.2	4.5	3.4	4.2	3.7	4.4	4.7
4H	3.5	4.1	3.8	4.4	4.8	3.7	4.4	4.0	4.7	5.0
6H	4.0	4.6	4.4	4.9	5.3	4.2	4.8	4.6	5.1	5.5
8H	4.4	5.0	4.8	5.3	5.7	4.6	5.1	5.0	5.5	5.8
12H	5.0	5.5	5.4	5.9	6.3	5.2	5.7	5.6	6.0	6.4
8H 4H	3.6	4.1	4.0	4.5	4.8	3.8	4.3	4.2	4.7	5.0
6H	4.4	4.8	4.8	5.2	5.6	4.5	5.0	4.9	5.4	5.8
8H	5.0	5.4	5.4	5.8	6.2	5.1	5.5	5.5	5.9	6.4
12H	5.8	6.1	6.2	6.6	7.0	5.9	6.2	6.3	6.7	7.1
12H 4H	3.6	4.1	4.0	4.5	4.9	3.8	4.3	4.2	4.7	5.1
6H	4.5	4.9	4.9	5.3	5.7	4.6	5.0	5.1	5.4	5.9
8H	5.2	5.5	5.6	6.0	6.4	5.3	5.6	5.8	6.1	6.6
Variations with the observer position at spacings:										
S = 1.0H	+ 1.6 / - 1.1					+ 1.7 / - 1.2				
1.5H	+ 3.0 / - 1.0					+ 3.3 / - 1.1				
2.0H	+ 1.4 / - 0.7					+ 1.5 / - 0.7				

CIE Pub.117 Corrected 601.7 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.8)

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: HV5841T-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-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	86	79	76	86	79	75	85	79	75	72
0.80	94	87	84	93	87	83	92	86	83	79
1.00	98	92	88	97	92	88	96	92	88	83
1.25	102	97	93	101	96	93	99	95	92	87
1.50	105	100	96	104	99	96	101	98	95	90
2.00	108	103	100	106	102	99	103	100	98	92
2.50	109	105	102	108	104	101	105	102	99	93
3.00	111	107	104	109	106	103	106	103	101	95
4.00	113	110	108	111	109	106	107	105	104	96
5.00	115	112	110	112	110	108	108	107	105	98
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004	Suspended								SHRNOM = 1.25	

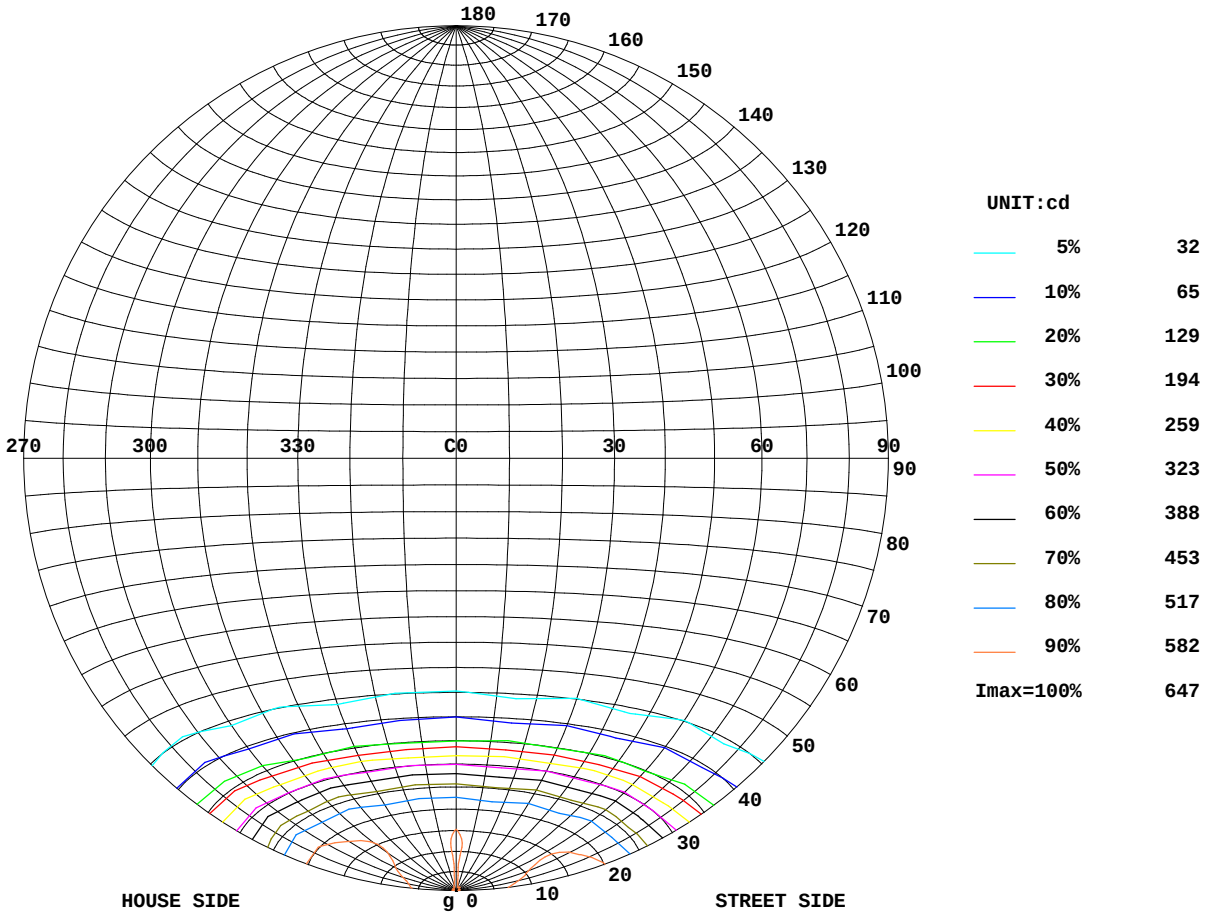
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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: HV5841T-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-6K	DIMENSION:	SERIAL No.:2013051602



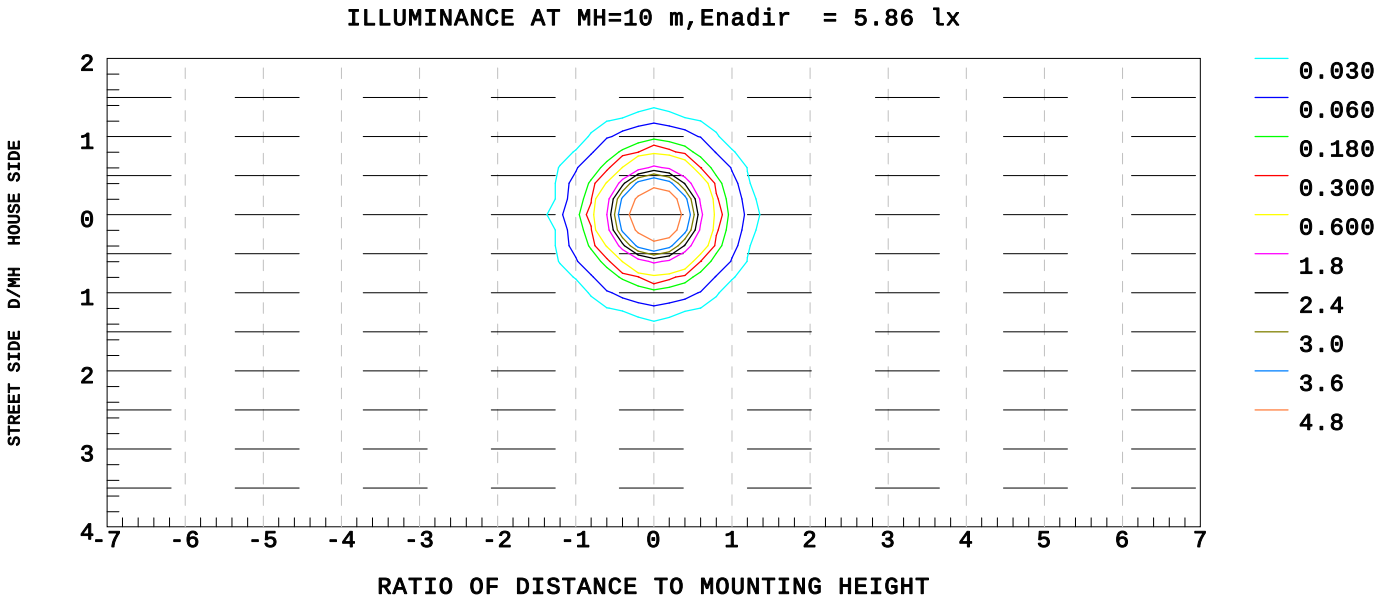
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

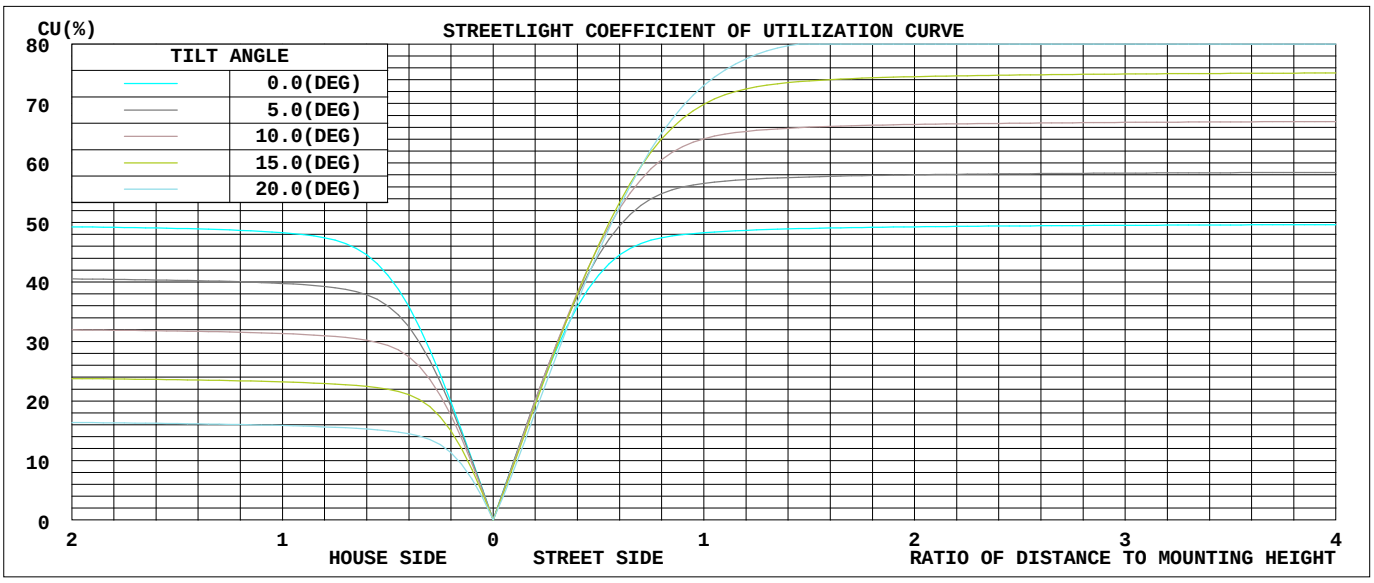
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5841T-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-6K	DIMENSION:	SERIAL No.:2013051602





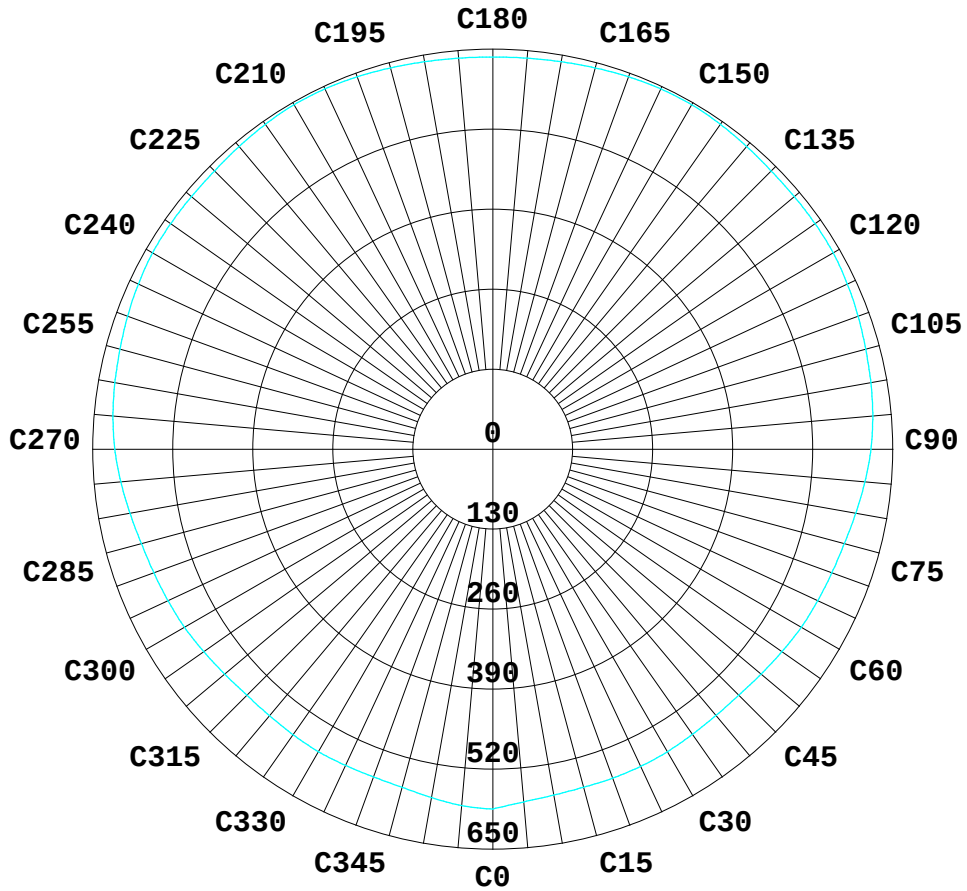
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5841T-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-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: HV5841T-6K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5841T-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	586	584	585	584	584	583	584	583	584	583	583	582	583	582	583
5.0	584	575	573	569	571	572	577	580	585	587	592	594	597	594	592
10.0	586	571	568	566	574	583	598	606	615	619	626	627	626	627	626
15.0	583	567	567	564	578	591	615	627	639	639	646	639	636	639	646
20.0	553	542	549	546	561	564	584	586	597	589	594	583	588	583	594
25.0	468	457	471	464	480	472	485	474	484	472	485	476	491	476	485
30.0	321	308	323	314	332	325	346	338	353	342	356	344	355	344	356
35.0	124	138	122	136	121	156	180	186	203	196	198	180	178	180	198
40.0	64.0	55.1	60.2	53.8	61.6	57.8	69.7	67.0	78.7	71.2	77.6	65.5	67.6	65.5	77.6
45.0	33.2	28.5	32.7	28.0	32.7	28.8	34.4	30.7	36.7	31.8	36.1	30.0	32.8	30.0	36.1
50.0	18.8	15.4	18.6	15.2	18.5	15.4	19.0	15.8	19.4	15.7	18.9	15.5	18.2	15.5	18.9
55.0	12.9	10.3	12.9	10.3	12.7	10.1	12.7	10.0	12.7	9.85	12.4	9.92	12.4	9.92	12.4
60.0	9.85	7.48	9.79	7.48	9.72	7.55	9.59	7.16	9.34	6.97	9.28	7.29	9.47	7.29	9.28
65.0	7.55	5.69	7.55	5.63	7.55	5.50	7.42	5.37	7.36	5.31	7.23	5.31	7.23	5.31	7.23
70.0	6.14	4.48	6.20	4.48	6.14	4.48	6.14	4.48	6.20	4.48	6.14	4.48	6.08	4.48	6.14
75.0	5.50	4.09	5.50	4.09	5.56	4.16	5.63	4.16	5.63	4.16	5.63	4.22	5.63	4.22	5.63
80.0	5.18	3.96	5.18	3.96	5.18	3.96	5.24	3.96	5.31	4.03	5.31	3.96	5.24	3.96	5.31
85.0	4.80	3.64	4.80	3.64	4.80	3.64	4.80	3.71	4.86	3.71	4.86	3.71	4.80	3.71	4.86
90.0	4.16	3.45	4.16	3.45	4.16	3.45	4.16	3.45	4.22	3.52	4.22	3.45	4.16	3.45	4.22

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: HV5841T-6K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5841T-6K	**DIMENSION:**	**SERIAL No.:2013051602**

UNIT: cd

C(DEG) / g (DEG)	225	240	255	270	285	300	315	330	345
0.0	583	584	583	584	583	584	584	585	584
5.0	587	585	580	577	572	571	569	573	575
10.0	619	615	606	598	583	574	566	568	571
15.0	639	639	627	615	591	578	564	567	567
20.0	589	597	586	584	564	561	546	549	542
25.0	472	484	474	485	472	480	464	471	457
30.0	342	353	338	346	325	332	314	323	308
35.0	196	203	186	180	156	121	136	122	138
40.0	71.2	78.7	67.0	69.7	57.8	61.6	53.8	60.2	55.1
45.0	31.8	36.7	30.7	34.4	28.8	32.7	28.0	32.7	28.5
50.0	15.7	19.4	15.8	19.0	15.4	18.5	15.2	18.6	15.4
55.0	9.85	12.7	10.0	12.7	10.1	12.7	10.3	12.9	10.3
60.0	6.97	9.34	7.16	9.59	7.55	9.72	7.48	9.79	7.48
65.0	5.31	7.36	5.37	7.42	5.50	7.55	5.63	7.55	5.69
70.0	4.48	6.20	4.48	6.14	4.48	6.14	4.48	6.20	4.48
75.0	4.16	5.63	4.16	5.63	4.16	5.56	4.09	5.50	4.09
80.0	4.03	5.31	3.96	5.24	3.96	5.18	3.96	5.18	3.96
85.0	3.71	4.86	3.71	4.80	3.64	4.80	3.64	4.80	3.64
90.0	3.52	4.22	3.45	4.16	3.45	4.16	3.45	4.16	3.45

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: