

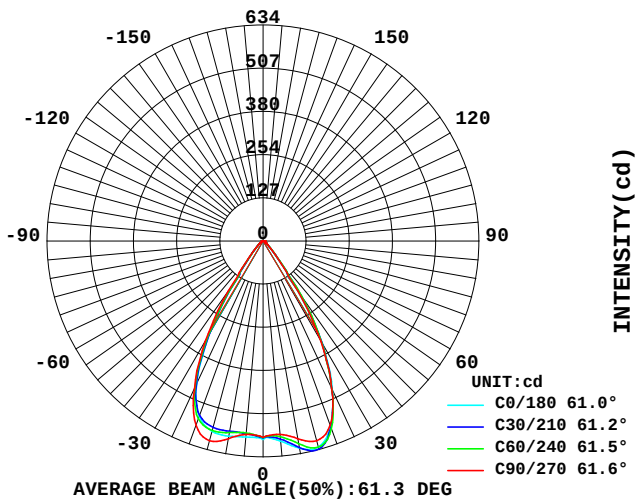
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number :

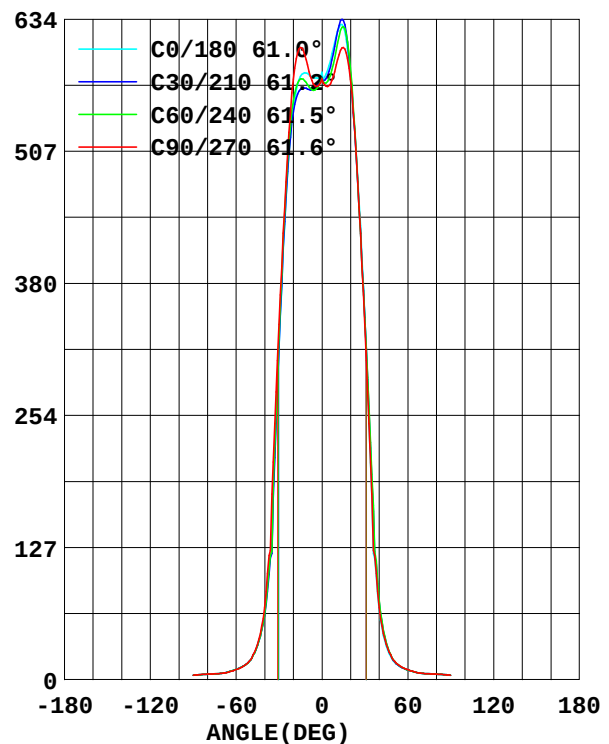
MANUFACTURER: Havit Lighting	Address:	
NAME: HV5841T-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-5K	DIMENSION:	SERIAL No.:2013051602

DATA OF LAMP		Imax(cd)	634.0	S/MH(C0/180)	0.89
MODEL	HV5841T-5K	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.92
NOMINAL POWER(W)	7	TOTAL FLUX(lm)	593.77	Voltage(V)	229.3
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	82.7	Current(A)	0.035
NOMINAL FLUX(lm)	593.8	h up(%)	0.0	Power(W)	7.180
LAMPS QUANTITY	1	h down(%)	100.0	Power Factor(PF)	0.884
TEST VOLTAGE(V)	229.4	Effective Flux(lm)	541.4	EEI	0.153

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



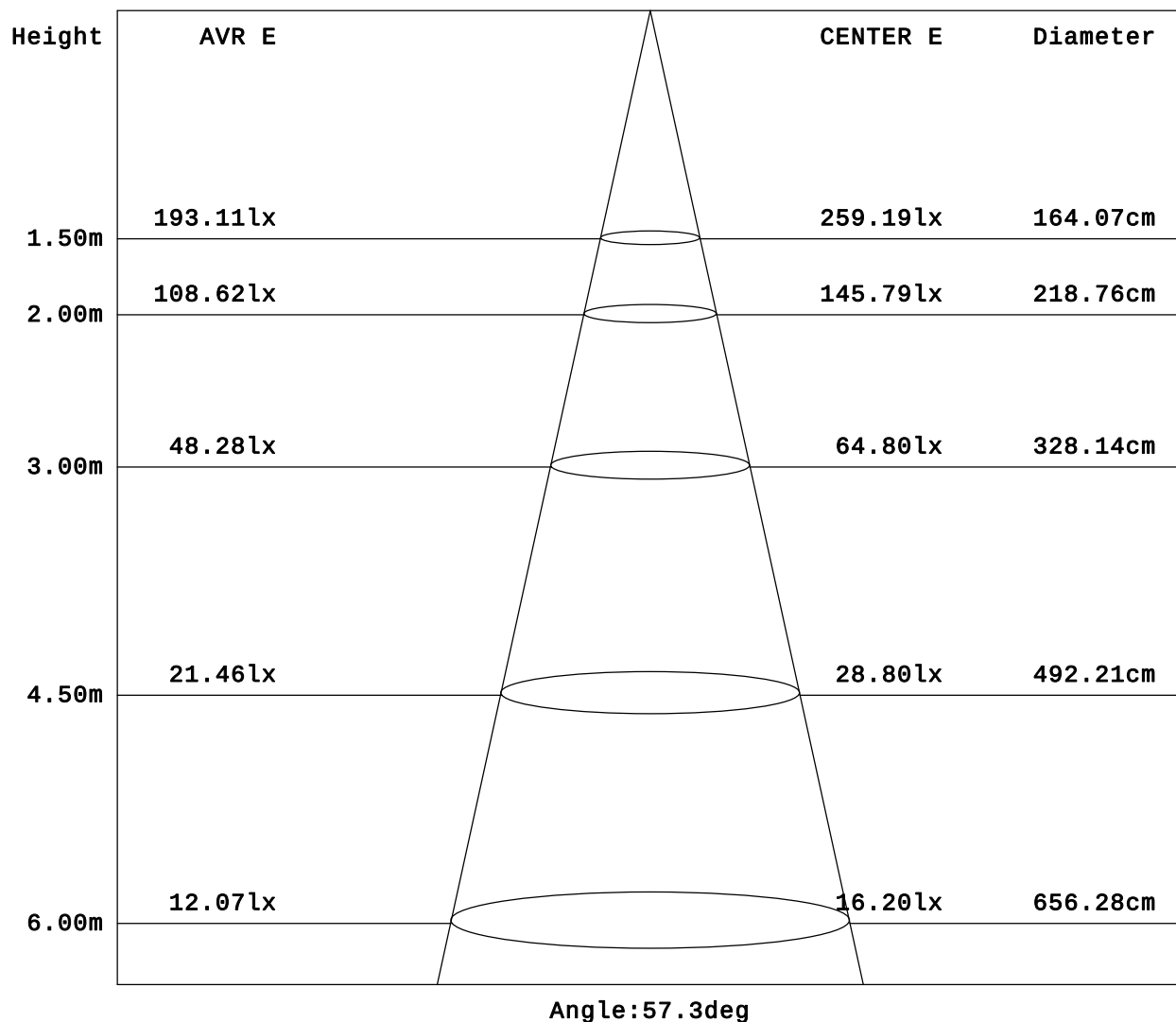
Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-5K	DIMENSION:	SERIAL No.:2013051602



Test System:HOP00 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-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-5K	DIMENSION:	SERIAL No.:2013051602

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	Total
5.0	577.7	563.6	570.2	578.8	589.3	578.8	570.2	563.6	0- 5	13.69	13.69
10.0	581.8	564.0	590.1	608.5	617.9	608.5	590.1	564.0	5- 10	41.60	55.29
15.0	579.1	564.0	606.9	626.4	626.8	626.4	606.9	564.0	10- 15	70.91	126.2
20.0	547.7	541.4	576.3	577.6	578.4	577.6	576.3	541.4	15- 20	96.53	222.7
25.0	460.9	456.1	477.6	464.8	481.7	464.8	477.6	456.1	20- 25	109.0	331.7
30.0	317.7	310.2	341.0	335.1	347.9	335.1	341.0	310.2	25- 30	100.9	432.7
35.0	125.2	139.7	178.0	188.0	176.0	188.0	178.0	139.7	30- 35	72.83	505.6
40.0	64.38	54.65	68.86	68.67	66.94	68.67	68.86	54.65	35- 40	35.25	540.8
45.0	33.21	28.16	34.11	30.84	32.44	30.84	34.11	28.16	40- 45	16.89	557.7
50.0	18.75	15.23	18.81	15.36	17.98	15.36	18.81	15.23	45- 50	9.360	567.1
55.0	12.86	10.17	12.60	9.664	12.28	9.664	12.60	10.17	50- 55	5.990	573.1
60.0	9.792	7.424	9.535	6.912	9.344	6.912	9.535	7.424	55- 60	4.496	577.5
65.0	7.488	5.568	7.360	5.248	7.168	5.248	7.360	5.568	60- 65	3.576	581.1
70.0	6.080	4.480	6.144	4.416	6.016	4.416	6.144	4.480	65- 70	2.876	584.0
75.0	5.504	4.032	5.568	4.160	5.568	4.160	5.568	4.032	70- 75	2.603	586.6
80.0	5.184	3.904	5.248	3.968	5.248	3.968	5.248	3.904	75- 80	2.519	589.1
85.0	4.736	3.648	4.800	3.712	4.800	3.712	4.800	3.648	80- 85	2.392	591.5
90.0	4.096	3.456	4.160	3.456	4.160	3.456	4.160	3.456	85- 90	2.212	593.7
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:HOP00 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:

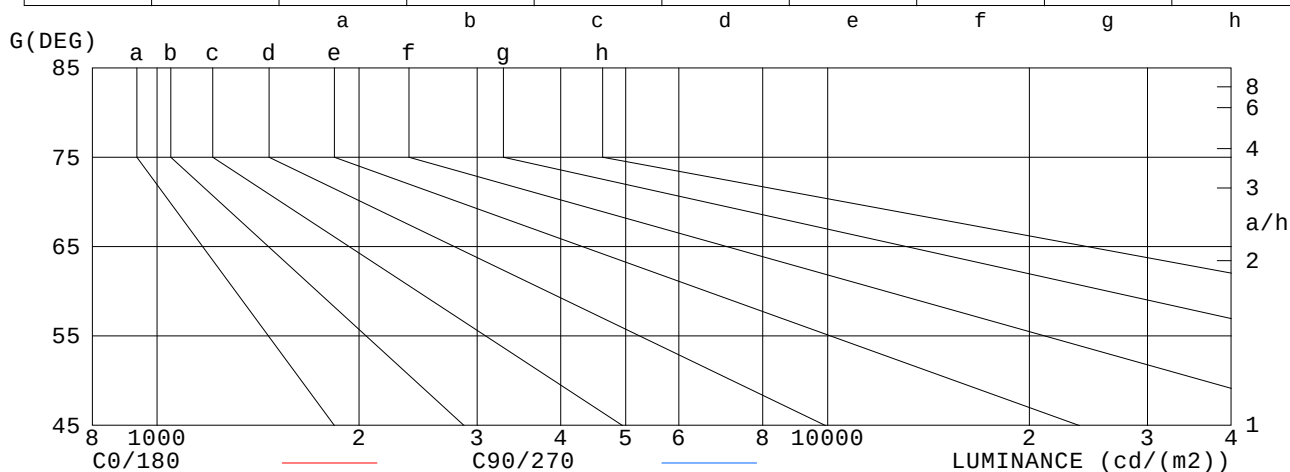
LUMINANCE LIMITATION CURVES

Report number :

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5841T-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-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



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	272	275
80	149	151
75	106	108
70	89	90
65	89	87
60	98	95
55	112	110
50	146	146
45	235	241

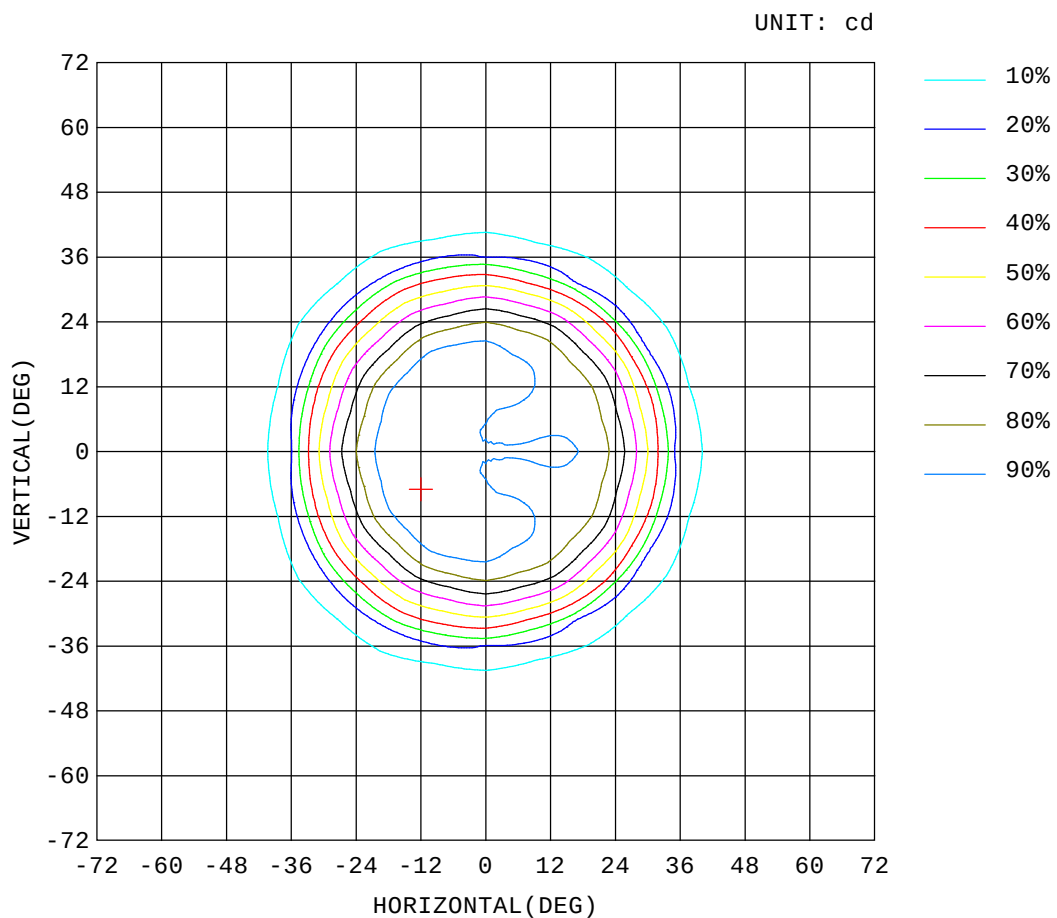
Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-5K	DIMENSION:	SERIAL No.:2013051602



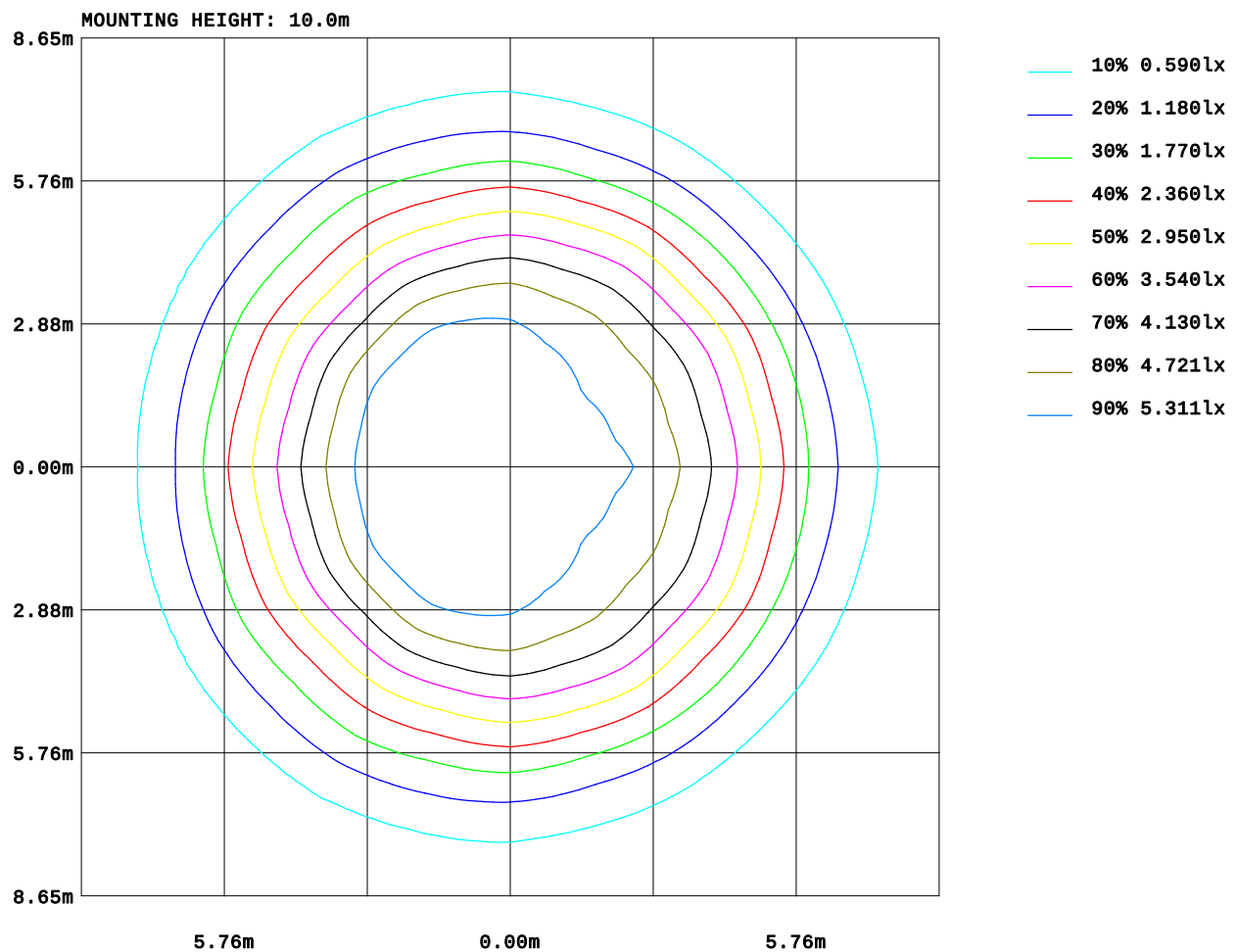
Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-5K	DIMENSION:	SERIAL No.:2013051602



Test System:HOP00 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-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-5K	DIMENSION:	SERIAL No.:2013051602

72	AREA FLUX DIAGRAM																		UNIT:lm		F t	F a
	0.03	0.05	0.06	0.06	0.08	0.10	0.10	0.09	0.12	0.12	0.09	0.10	0.10	0.08	0.06	0.06	0.05	0.03	1.37	0.00		
64	0.03	0.05	0.06	0.07	0.09	0.13	0.14	0.14	0.17	0.17	0.14	0.14	0.13	0.09	0.07	0.06	0.05	0.03	1.78	0.00		
56	0.03	0.05	0.07	0.09	0.12	0.18	0.22	0.24	0.29	0.29	0.24	0.23	0.19	0.12	0.10	0.08	0.05	0.03	2.62	0.00		
48	0.03	0.05	0.09	0.13	0.17	0.29	0.48	0.60	0.75	0.73	0.57	0.45	0.29	0.18	0.13	0.09	0.05	0.03	5.12	0.02		
40	0.03	0.05	0.10	0.18	0.31	0.64	1.37	2.27	2.90	2.73	1.89	1.12	0.56	0.30	0.19	0.11	0.06	0.03	14.8	10.9		
32	0.03	0.06	0.11	0.25	0.62	1.69	4.08	6.27	7.39	7.31	5.89	3.38	1.30	0.56	0.25	0.12	0.06	0.04	39.4	36.7		
24	0.04	0.07	0.13	0.33	1.13	3.83	7.10	9.77	10.9	10.6	9.49	6.81	3.12	0.95	0.32	0.13	0.07	0.04	64.9	63.0		
VERTICAL (DEG)	0.04	0.08	0.16	0.43	1.80	5.65	9.36	11.6	11.8	11.3	10.6	8.97	5.15	1.47	0.42	0.16	0.08	0.04	79.2	77.4		
	0.05	0.09	0.18	0.53	2.34	6.64	10.2	11.8	11.3	11.0	10.8	9.69	6.22	2.01	0.53	0.19	0.09	0.05	84.1	82.3		
	0.05	0.09	0.18	0.53	2.34	6.64	10.2	11.8	11.3	11.0	10.8	9.69	6.22	2.01	0.53	0.19	0.09	0.05	84.1	82.3		
	0.04	0.08	0.16	0.43	1.80	5.65	9.36	11.6	11.8	11.3	10.6	8.97	5.15	1.47	0.42	0.16	0.08	0.04	79.2	77.4		
	0.04	0.07	0.13	0.33	1.13	3.83	7.10	9.77	10.9	10.6	9.49	6.81	3.12	0.95	0.32	0.13	0.07	0.04	64.9	63.0		
	0.03	0.06	0.11	0.25	0.62	1.69	4.08	6.27	7.39	7.31	5.89	3.38	1.30	0.56	0.25	0.12	0.06	0.04	39.4	36.7		
	0.03	0.05	0.10	0.18	0.31	0.64	1.37	2.27	2.90	2.73	1.89	1.12	0.56	0.30	0.19	0.11	0.06	0.03	14.8	10.9		
	0.03	0.05	0.09	0.13	0.17	0.29	0.48	0.60	0.75	0.73	0.57	0.45	0.29	0.18	0.13	0.09	0.05	0.03	5.12	0.02		
	0.03	0.05	0.07	0.09	0.12	0.18	0.22	0.24	0.29	0.29	0.24	0.23	0.19	0.12	0.10	0.08	0.05	0.03	2.62	0.00		
	0.03	0.05	0.06	0.07	0.09	0.13	0.14	0.14	0.17	0.17	0.14	0.14	0.13	0.09	0.07	0.06	0.05	0.03	1.78	0.00		
	0.03	0.05	0.06	0.06	0.08	0.10	0.10	0.09	0.12	0.12	0.09	0.10	0.10	0.08	0.06	0.06	0.05	0.03	1.37	0.00		
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)						16	24	32	40	48	56	64	72
F t	0.64	1.10	1.93	4.12	13.3	38.3	66.3	85.8	91.6	88.8	79.6	61.8	34.1	11.5	4.11	2.00	1.13	0.64	594			
F a	0.00	0.00	0.00	0.00	9.65	35.3	63.6	83.3	89.0	86.0	77.0	58.9	30.8	7.42	0.00	0.00	0.00	0.00		541		

Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

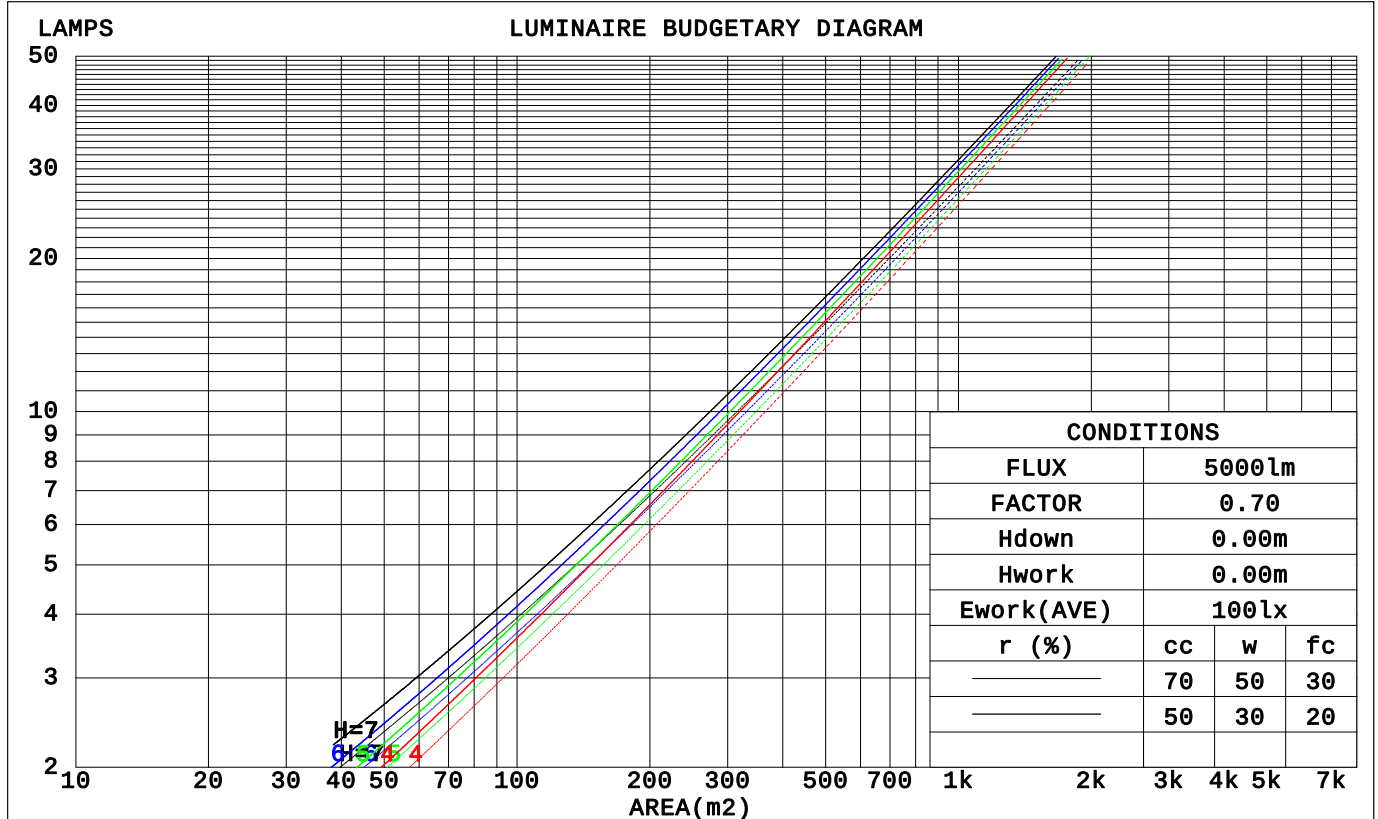
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number :

MANUFACTURER: Havit Lighting	Address:		
NAME: HV5841T-5K	TYPE:downlight	WEIGHT:0.5KG	
SPECIFICATION:HV5841T-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	1.05	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	.55	.51	.50



Test System:HOP00 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-5K	TYPE:downlight	WEIGHT:0.5KG	
SPECIFICATION:HV5841T-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 Coefficients(WEC)									
0.0																
1.0	.192	.109	.035	.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	.017	.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:HOP00 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-5K	TYPE:downlight	WEIGHT:0.5KG	
SPECIFICATION:HV5841T-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	3.2	4.1	3.4	4.3	4.5	3.4	4.4	3.6	4.5	4.7
3H	3.3	4.2	3.5	4.4	4.6	3.5	4.4	3.7	4.6	4.8
4H	3.4	4.2	3.7	4.5	4.7	3.6	4.5	3.9	4.7	4.9
6H	3.7	4.5	4.0	4.8	5.0	3.9	4.7	4.2	5.0	5.2
8H	4.0	4.8	4.3	5.0	5.3	4.2	5.0	4.5	5.2	5.5
12H	4.4	5.2	4.8	5.4	5.7	4.6	5.3	4.9	5.6	5.9
4H 2H	3.0	3.9	3.3	4.1	4.3	3.3	4.1	3.5	4.3	4.6
3H	3.3	4.0	3.6	4.3	4.6	3.5	4.2	3.8	4.5	4.7
4H	3.5	4.2	3.9	4.5	4.8	3.7	4.4	4.1	4.7	5.0
6H	4.0	4.6	4.4	5.0	5.3	4.2	4.8	4.6	5.1	5.5
8H	4.5	5.0	4.8	5.4	5.7	4.6	5.2	5.0	5.5	5.9
12H	5.1	5.6	5.5	5.9	6.3	5.2	5.7	5.6	6.1	6.5
8H 4H	3.6	4.2	4.0	4.5	4.9	3.8	4.3	4.2	4.7	5.1
6H	4.4	4.9	4.8	5.3	5.7	4.5	5.0	5.0	5.4	5.8
8H	5.0	5.4	5.4	5.8	6.3	5.1	5.5	5.6	5.9	6.4
12H	5.8	6.1	6.3	6.6	7.0	5.9	6.3	6.4	6.7	7.2
12H 4H	3.7	4.2	4.1	4.5	4.9	3.8	4.3	4.2	4.7	5.1
6H	4.5	4.9	5.0	5.3	5.8	4.6	5.0	5.1	5.5	5.9
8H	5.2	5.5	5.7	6.0	6.5	5.3	5.7	5.8	6.1	6.6
Variations with the observer position at spacings:										
S = 1.0H	+ 1.6 / - 1.1					+ 1.8 / - 1.2				
1.5H	+ 3.1 / - 1.1					+ 3.4 / - 1.2				
2.0H	+ 1.4 / - 0.7					+ 1.4 / - 0.7				

CIE Pub.117 Corrected 593.7 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.8)

Test System:HOP00 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-5K	TYPE:downlight	WEIGHT:0.5KG	
SPECIFICATION:HV5841T-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) $k(RI) \times RCR = 5$									
$k = 0.60$	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					SHRNM = 1.25		

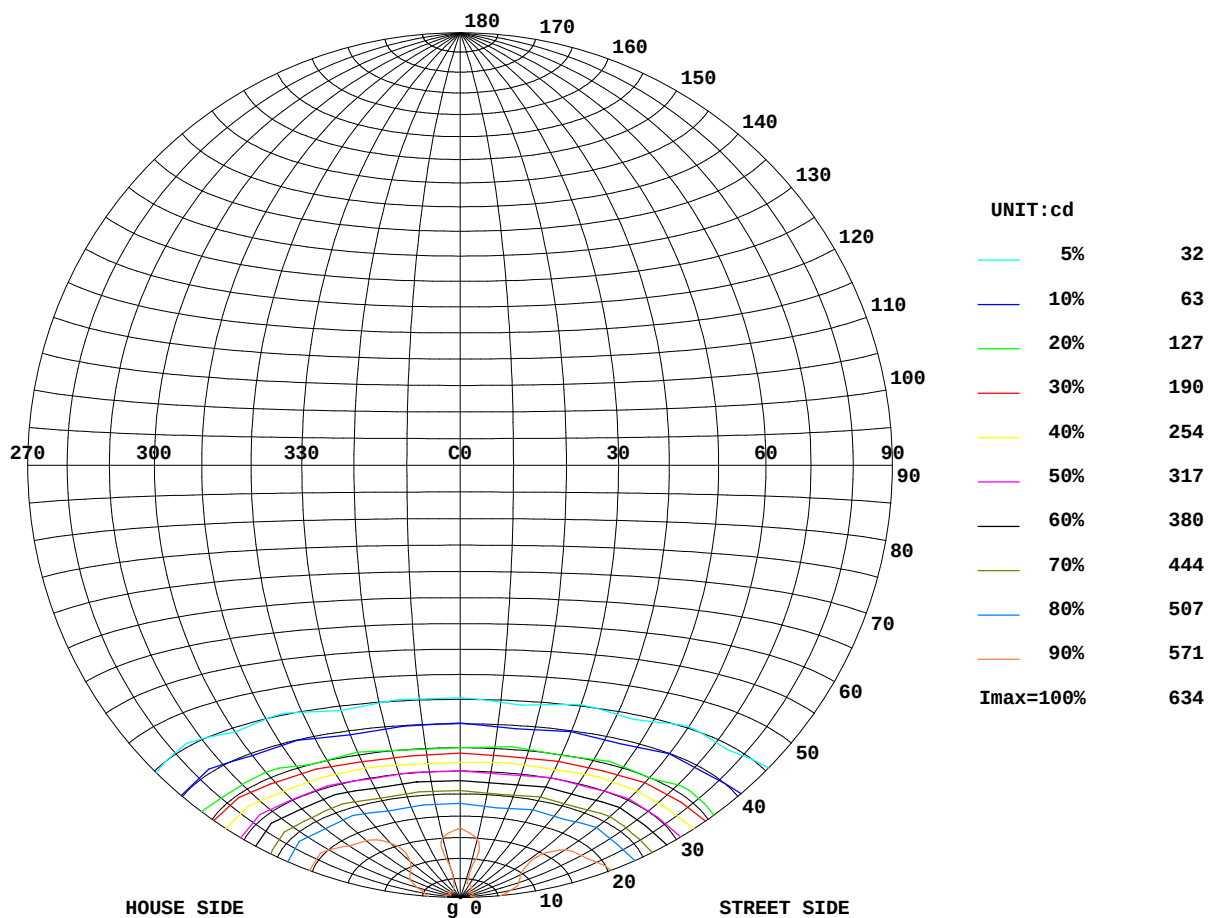
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-5K	DIMENSION:	SERIAL No.:2013051602



Test System:HOP00 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:

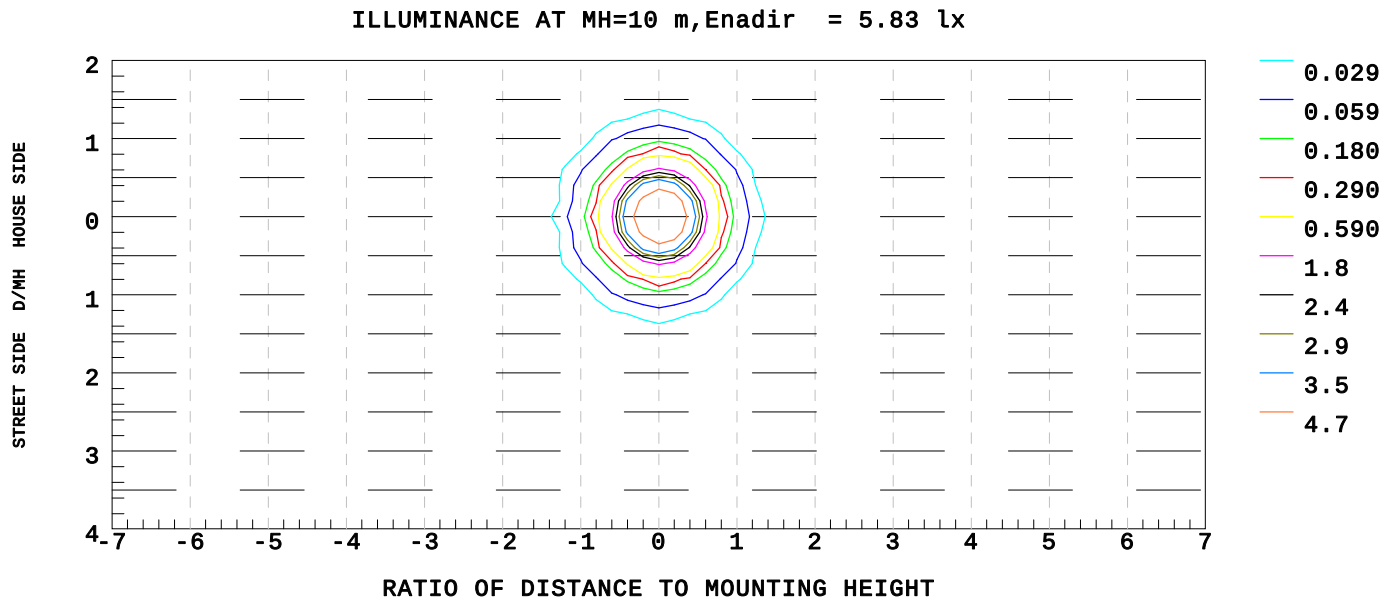
IES Flood Report

Photometric Filename:HV5841T-5K.IES

ISOLUX DIAGRAM

Report number :

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5841T-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-5K	DIMENSION:	SERIAL No.:2013051602



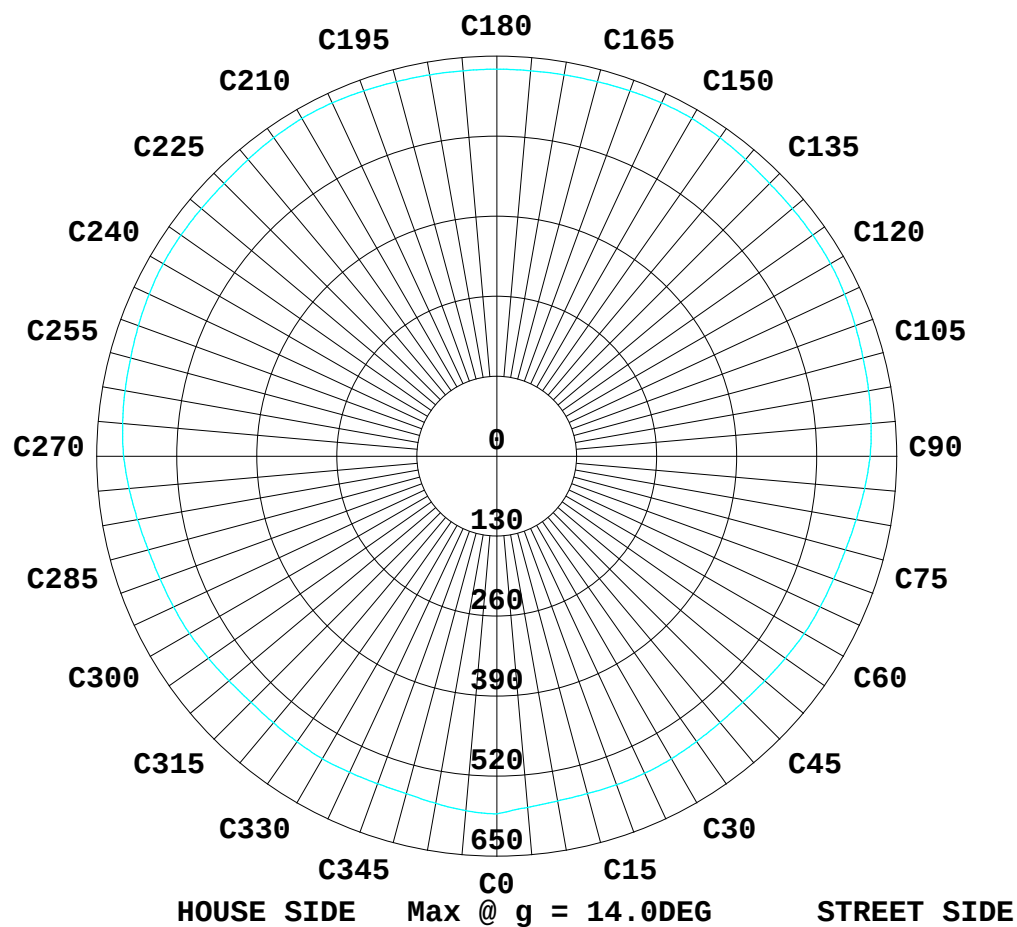
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-5K	DIMENSION:	SERIAL No.:2013051602



Test System:HOP00 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-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-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	583	577	578	577	577	576	577	575	576	575	575	574	574	574	575
5.0	578	570	568	564	566	566	570	572	577	579	584	585	589	585	584
10.0	582	569	567	564	571	577	590	597	604	609	616	617	618	617	616
15.0	579	566	567	564	577	586	607	616	627	626	633	628	627	628	633
20.0	548	537	545	541	556	557	576	577	587	578	583	572	578	572	583
25.0	461	450	463	456	472	465	478	467	478	465	476	467	482	467	476
30.0	318	304	319	310	328	321	341	333	347	335	348	335	348	335	348
35.0	125	141	121	140	124	158	178	181	197	188	192	176	176	176	192
40.0	64.3	55.8	61.4	54.6	62.3	57.9	68.8	65.2	76.4	68.6	74.9	63.6	66.9	63.6	74.9
45.0	33.2	28.5	32.8	28.1	32.8	28.7	34.1	30.2	35.9	30.8	35.1	29.2	32.4	29.2	35.1
50.0	18.7	15.3	18.6	15.2	18.4	15.3	18.8	15.6	19.1	15.3	18.5	15.2	17.9	15.2	18.5
55.0	12.8	10.2	12.9	10.1	12.6	10.0	12.6	9.92	12.5	9.66	12.2	9.72	12.2	9.72	12.2
60.0	9.79	7.42	9.72	7.42	9.66	7.48	9.53	7.10	9.28	6.91	9.21	7.16	9.34	7.16	9.21
65.0	7.48	5.63	7.55	5.56	7.48	5.44	7.36	5.31	7.23	5.24	7.16	5.18	7.16	5.18	7.16
70.0	6.08	4.48	6.14	4.48	6.08	4.48	6.14	4.48	6.08	4.41	6.14	4.41	6.01	4.41	6.14
75.0	5.50	4.03	5.50	4.03	5.50	4.09	5.56	4.16	5.63	4.16	5.63	4.16	5.56	4.16	5.63
80.0	5.18	3.90	5.18	3.90	5.18	3.90	5.24	3.96	5.24	3.96	5.24	3.96	5.24	3.96	5.24
85.0	4.73	3.58	4.73	3.64	4.80	3.64	4.80	3.64	4.80	3.71	4.86	3.64	4.80	3.64	4.86
90.0	4.09	3.39	4.16	3.45	4.16	3.45	4.16	3.45	4.16	3.45	4.16	3.45	4.16	3.45	4.16

Test System:HOP00 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-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-5K	DIMENSION:	SERIAL No.:2013051602

UNIT: cd

C(DEG) g (DEG)	225	240	255	270	285	300	315	330	345
0.0	575	576	575	577	576	577	577	578	577
5.0	579	577	572	570	566	566	564	568	570
10.0	609	604	597	590	577	571	564	567	569
15.0	626	627	616	607	586	577	564	567	566
20.0	578	587	577	576	557	556	541	545	537
25.0	465	478	467	478	465	472	456	463	450
30.0	335	347	333	341	321	328	310	319	304
35.0	188	197	181	178	158	124	140	121	141
40.0	68.6	76.4	65.2	68.8	57.9	62.3	54.6	61.4	55.8
45.0	30.8	35.9	30.2	34.1	28.7	32.8	28.1	32.8	28.5
50.0	15.3	19.1	15.6	18.8	15.3	18.4	15.2	18.6	15.3
55.0	9.66	12.5	9.92	12.6	10.0	12.6	10.1	12.9	10.2
60.0	6.91	9.28	7.10	9.53	7.48	9.66	7.42	9.72	7.42
65.0	5.24	7.23	5.31	7.36	5.44	7.48	5.56	7.55	5.63
70.0	4.41	6.08	4.48	6.14	4.48	6.08	4.48	6.14	4.48
75.0	4.16	5.63	4.16	5.56	4.09	5.50	4.03	5.50	4.03
80.0	3.96	5.24	3.96	5.24	3.90	5.18	3.90	5.18	3.90
85.0	3.71	4.80	3.64	4.80	3.64	4.80	3.64	4.73	3.58
90.0	3.45	4.16	3.45	4.16	3.45	4.16	3.45	4.16	3.39

Test System:HOP00 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: