

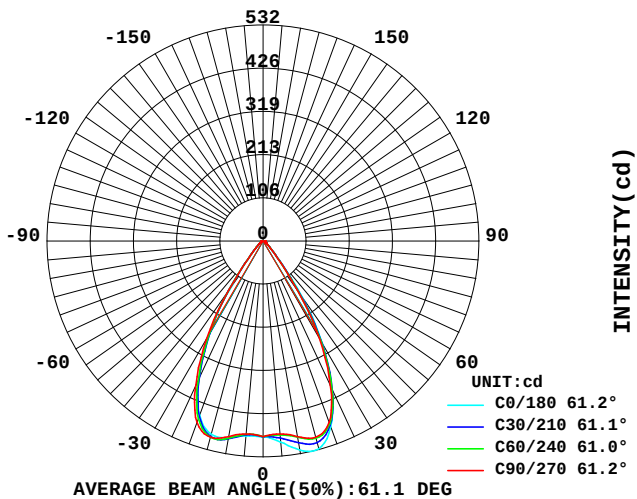
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number :

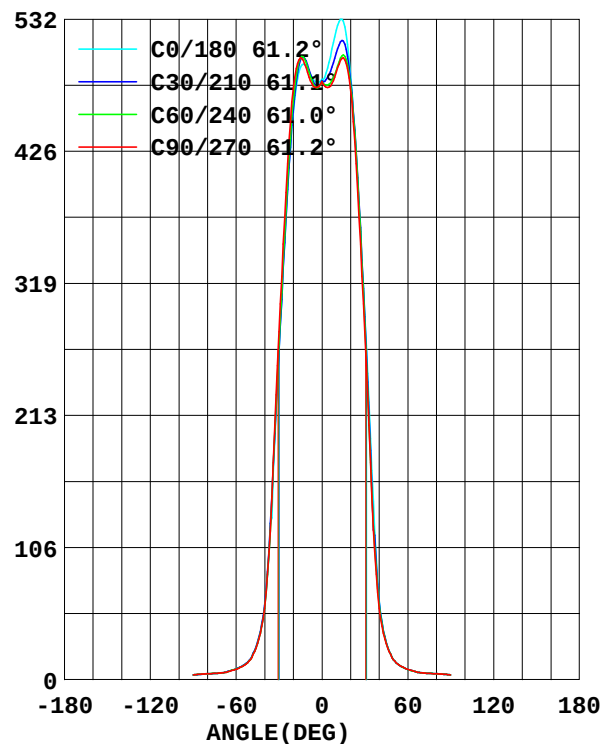
MANUFACTURER: Havit Lighting	Address:	
NAME: HV5841T-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-2.7K	DIMENSION:	SERIAL No.:2013051602

DATA OF LAMP		Imax(cd)	532.3	S/MH(C0/180)	0.91
MODEL	HV5841T-2.7K	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.92
NOMINAL POWER(W)	7	TOTAL FLUX(lm)	499.63	Voltage(V)	229.1
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	69.7	Current(A)	0.035
NOMINAL FLUX(lm)	499.6	h up(%)	0.0	Power(W)	7.170
LAMPS QUANTITY	1	h down(%)	100.0	Power Factor(PF)	0.886
TEST VOLTAGE(V)	229.2	Effective Flux(lm)	455.5	EEI	0.174

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



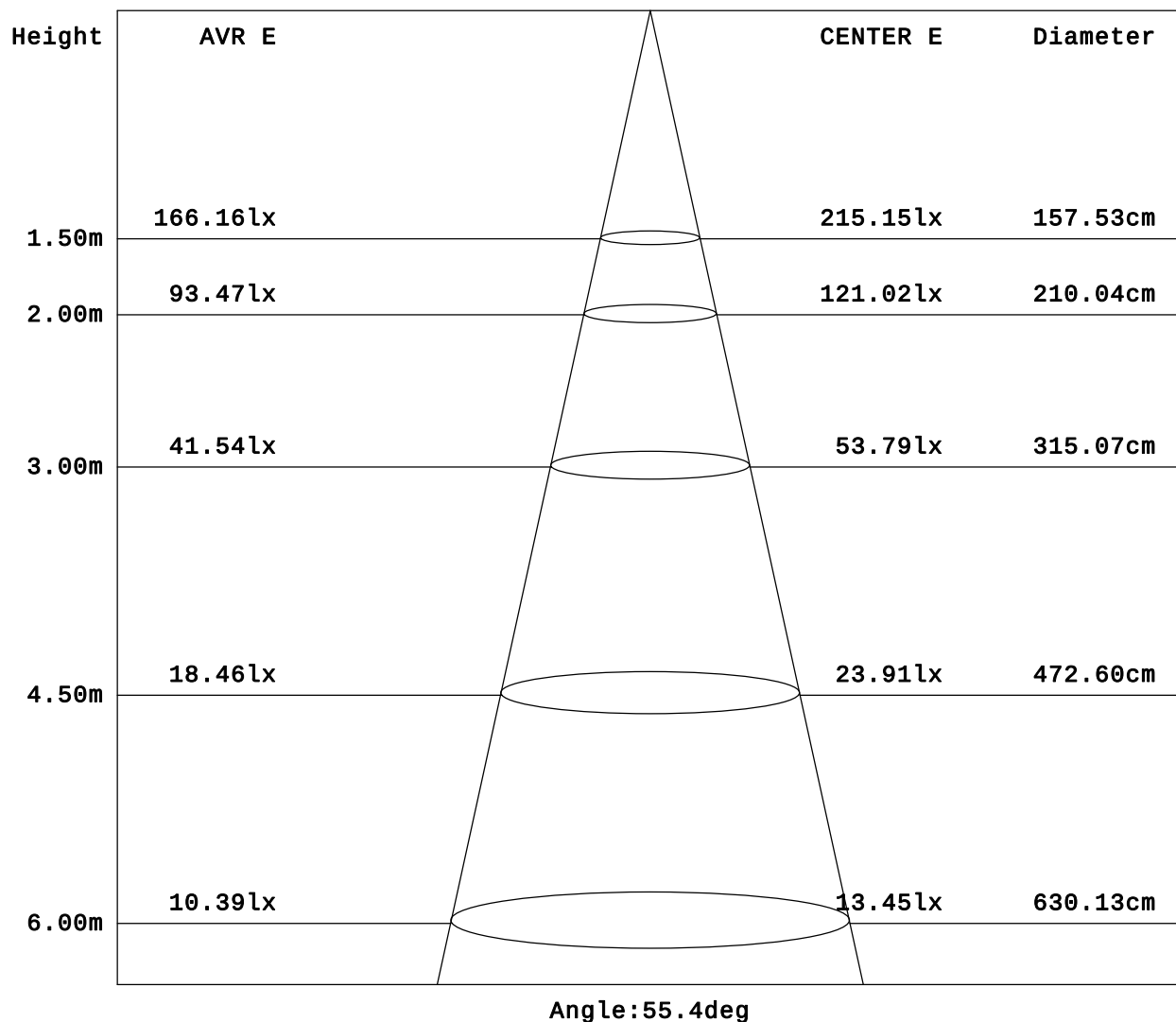
Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-2.7K	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-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-2.7K	DIMENSION:	SERIAL No.:2013051602

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	Total
5.0	482.4	477.6	477.5	481.6	497.3	481.6	477.5	477.6	0- 5	11.47	11.47
10.0	492.6	493.2	489.6	494.6	523.5	494.6	489.6	493.2	5- 10	34.94	46.42
15.0	493.6	495.9	501.1	503.5	530.5	503.5	501.1	495.9	10- 15	59.53	105.9
20.0	457.4	454.7	476.6	475.1	488.4	475.1	476.6	454.7	15- 20	80.64	186.6
25.0	373.3	362.8	392.6	393.2	401.2	393.2	392.6	362.8	20- 25	90.16	276.7
30.0	264.1	254.3	280.4	277.9	294.4	277.9	280.4	254.3	25- 30	83.00	359.7
35.0	130.3	139.9	147.3	146.4	168.5	146.4	147.3	139.9	30- 35	62.23	422.0
40.0	58.17	51.45	57.53	54.39	63.87	54.39	57.53	51.45	35- 40	31.54	453.5
45.0	29.37	25.08	28.99	25.34	29.76	25.34	28.99	25.08	40- 45	14.61	468.1
50.0	16.44	13.12	16.19	12.86	16.25	12.86	16.19	13.12	45- 50	8.098	476.2
55.0	11.26	8.639	11.00	8.191	11.00	8.191	11.00	8.639	50- 55	5.176	481.4
60.0	8.639	6.336	8.384	5.888	8.384	5.888	8.384	6.336	55- 60	3.901	485.3
65.0	6.720	4.800	6.528	4.480	6.528	4.480	6.528	4.800	60- 65	3.126	488.4
70.0	5.504	3.840	5.504	3.840	5.440	3.840	5.504	3.840	65- 70	2.536	491.0
75.0	4.928	3.520	5.056	3.584	5.056	3.584	5.056	3.520	70- 75	2.305	493.3
80.0	4.608	3.392	4.736	3.456	4.672	3.456	4.736	3.392	75- 80	2.232	495.5
85.0	4.224	3.200	4.352	3.200	4.288	3.200	4.352	3.200	80- 85	2.120	497.6
90.0	3.776	3.008	3.776	3.008	3.712	3.008	3.776	3.008	85- 90	1.969	499.6
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:

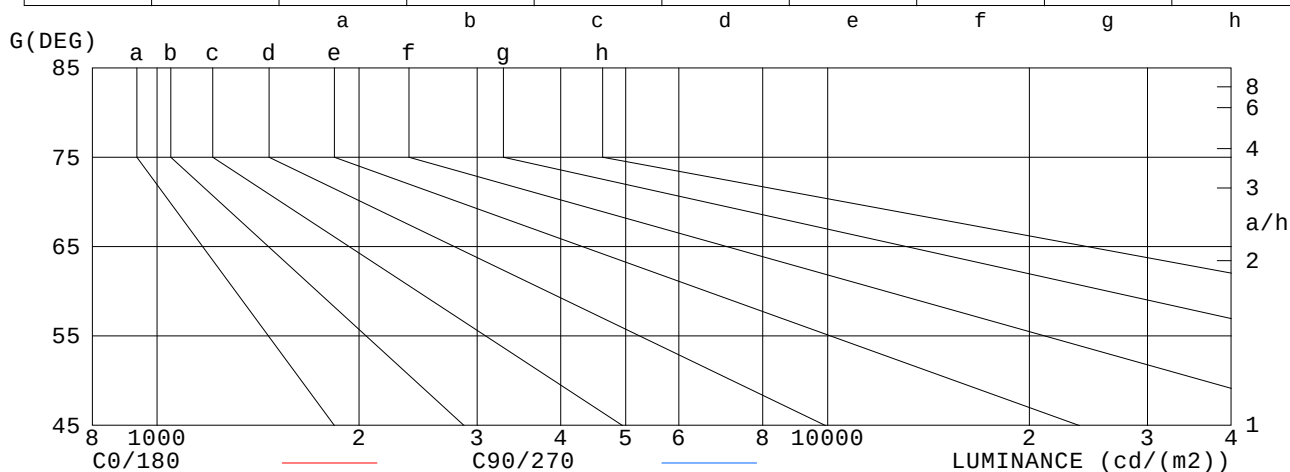
LUMINANCE LIMITATION CURVES

Report number :

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5841T-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-2.7K	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	242	250
80	133	136
75	95	98
70	80	80
65	80	77
60	86	84
55	98	96
50	128	126
45	208	205

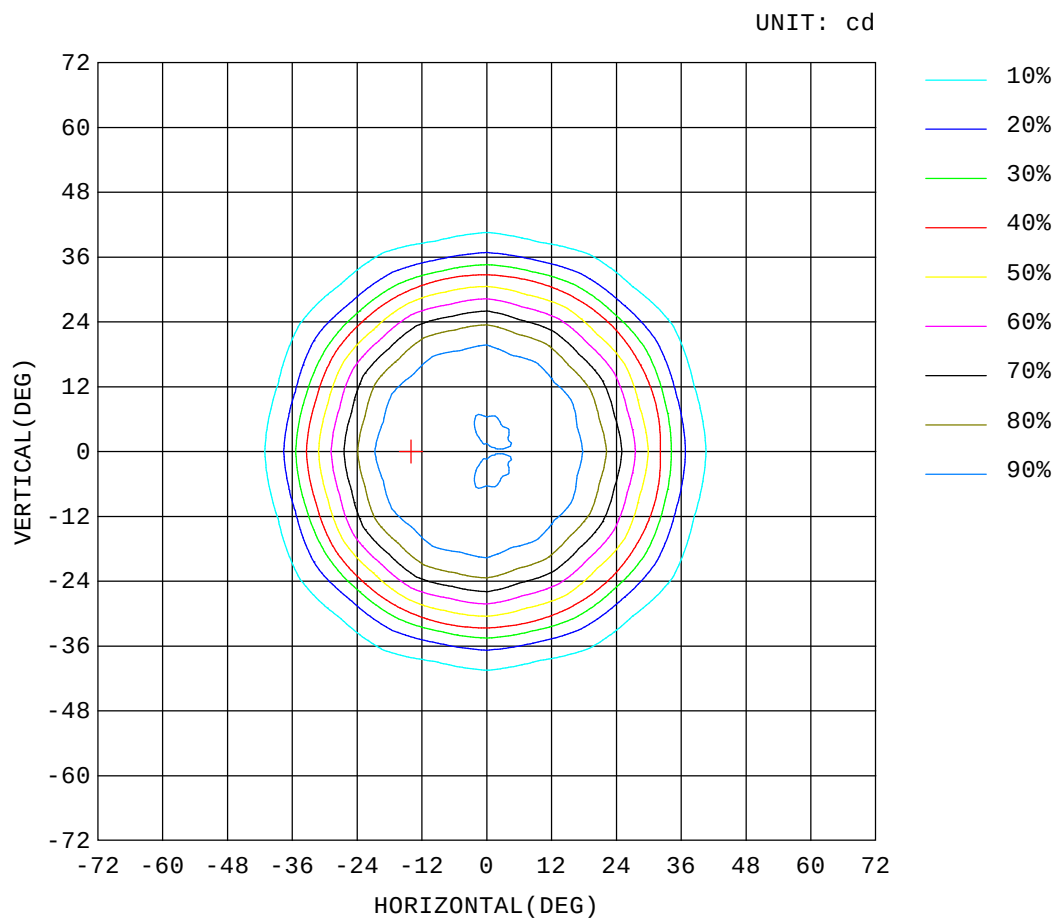
Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-2.7K	DIMENSION:	SERIAL No.:2013051602



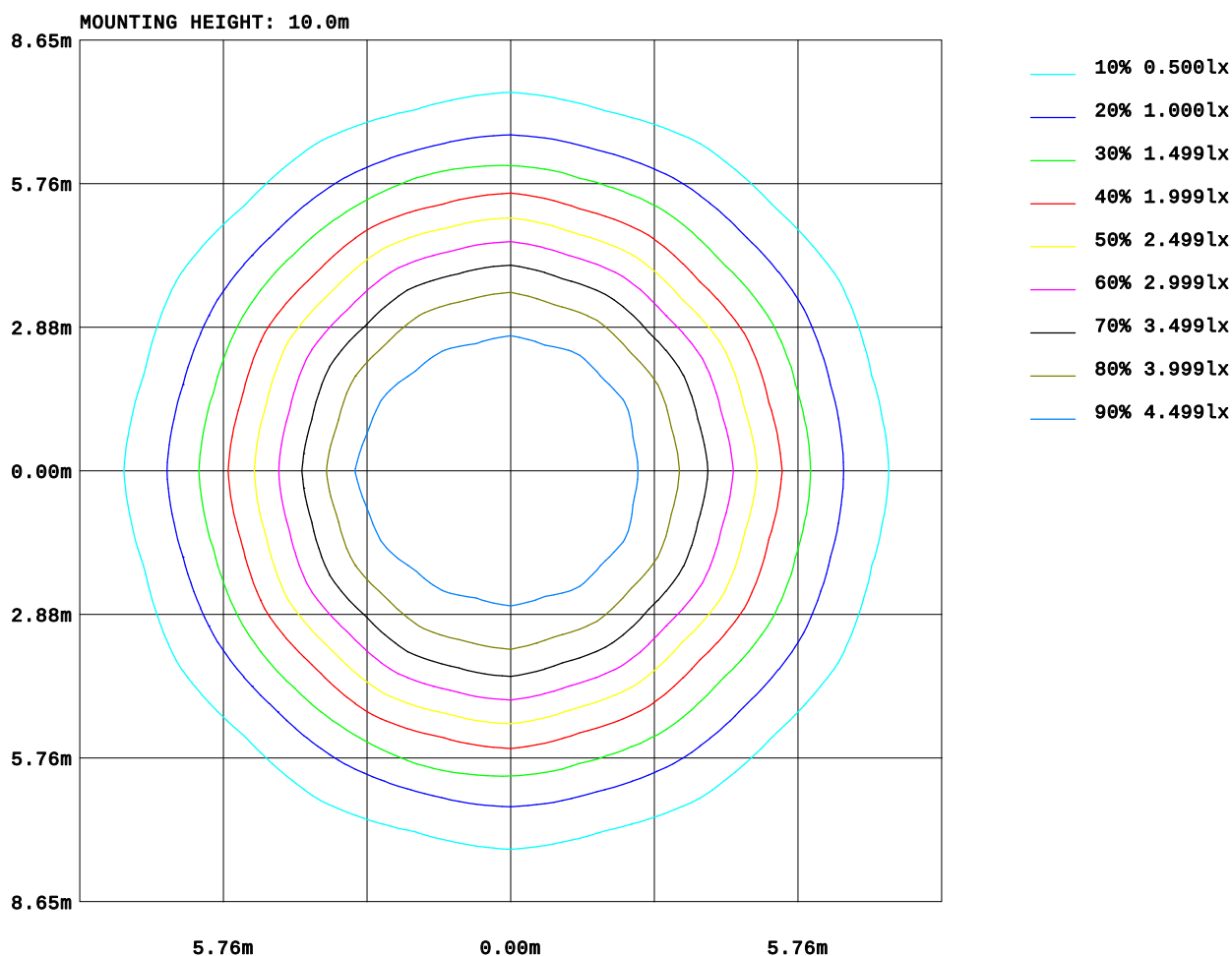
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-2.7K	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-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-2.7K	DIMENSION:	SERIAL No.:2013051602

72	AREA FLUX DIAGRAM																		UNIT:lm		F t	F a
	0.03	0.04	0.05	0.05	0.07	0.09	0.08	0.08	0.10	0.10	0.08	0.08	0.09	0.07	0.05	0.05	0.04	0.03	1.20	0.00		
64	0.03	0.05	0.06	0.06	0.08	0.11	0.12	0.12	0.15	0.15	0.12	0.12	0.12	0.08	0.06	0.06	0.05	0.03	1.55	0.00		
56	0.03	0.05	0.07	0.08	0.10	0.16	0.19	0.20	0.25	0.25	0.20	0.20	0.16	0.11	0.08	0.07	0.05	0.03	2.26	0.00		
48	0.03	0.05	0.08	0.11	0.15	0.25	0.40	0.49	0.62	0.62	0.49	0.39	0.25	0.15	0.12	0.08	0.05	0.03	4.35	0.00		
40	0.03	0.05	0.09	0.16	0.26	0.52	1.09	1.77	2.39	2.36	1.72	1.04	0.51	0.27	0.16	0.09	0.05	0.03	12.6	9.25		
32	0.03	0.05	0.10	0.21	0.52	1.35	3.26	5.18	6.12	5.98	4.91	3.10	1.28	0.52	0.22	0.10	0.05	0.03	33.0	30.9		
24	0.03	0.06	0.11	0.28	0.98	3.16	5.98	8.14	8.98	8.83	7.74	5.49	2.95	0.93	0.29	0.11	0.06	0.03	54.2	52.6		
VERTICAL (DEG)	0.04	0.07	0.14	0.38	1.58	4.76	7.87	9.44	9.63	9.63	9.18	7.34	4.33	1.45	0.38	0.14	0.07	0.04	66.5	65.0		
	0.04	0.08	0.16	0.49	2.18	5.58	8.62	9.82	9.46	9.37	9.42	8.09	5.09	1.90	0.47	0.17	0.08	0.04	71.1	69.6		
	0.04	0.08	0.16	0.49	2.18	5.58	8.62	9.82	9.46	9.37	9.42	8.09	5.09	1.90	0.47	0.17	0.08	0.04	71.1	69.6		
	0.04	0.07	0.14	0.38	1.58	4.76	7.87	9.44	9.63	9.63	9.18	7.34	4.33	1.45	0.38	0.14	0.07	0.04	66.5	65.0		
	0.03	0.06	0.11	0.28	0.98	3.16	5.98	8.14	8.98	8.83	7.74	5.49	2.95	0.93	0.29	0.11	0.06	0.03	54.2	52.6		
	0.03	0.05	0.10	0.21	0.52	1.35	3.26	5.18	6.12	5.98	4.91	3.10	1.28	0.52	0.22	0.10	0.05	0.03	33.0	30.9		
	0.03	0.05	0.09	0.16	0.26	0.52	1.09	1.77	2.39	2.36	1.72	1.04	0.51	0.27	0.16	0.09	0.05	0.03	12.6	9.25		
	0.03	0.05	0.08	0.11	0.15	0.25	0.40	0.49	0.62	0.62	0.49	0.39	0.25	0.15	0.12	0.08	0.05	0.03	4.35	0.00		
	0.03	0.05	0.07	0.08	0.10	0.16	0.19	0.20	0.25	0.25	0.20	0.20	0.16	0.11	0.08	0.07	0.05	0.03	2.26	0.00		
	0.03	0.05	0.06	0.06	0.08	0.11	0.12	0.12	0.15	0.15	0.12	0.12	0.12	0.08	0.06	0.06	0.05	0.03	1.55	0.00		
	0.03	0.04	0.05	0.05	0.07	0.09	0.08	0.08	0.10	0.10	0.08	0.08	0.09	0.07	0.05	0.05	0.04	0.03	1.20	0.00		
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)					16	24	32	40	48	56	64	72	
	F t	0.57	0.98	1.70	3.63	11.8	31.9	55.2	70.5	75.4	74.6	67.7	51.7	29.6	10.9	3.66	1.75	1.00	0.57	500		
	F a	0.00	0.00	0.00	0.13	8.82	29.3	52.9	68.4	73.1	72.3	65.6	49.3	26.9	7.73	0.05	0.00	0.00	0.00		456	

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

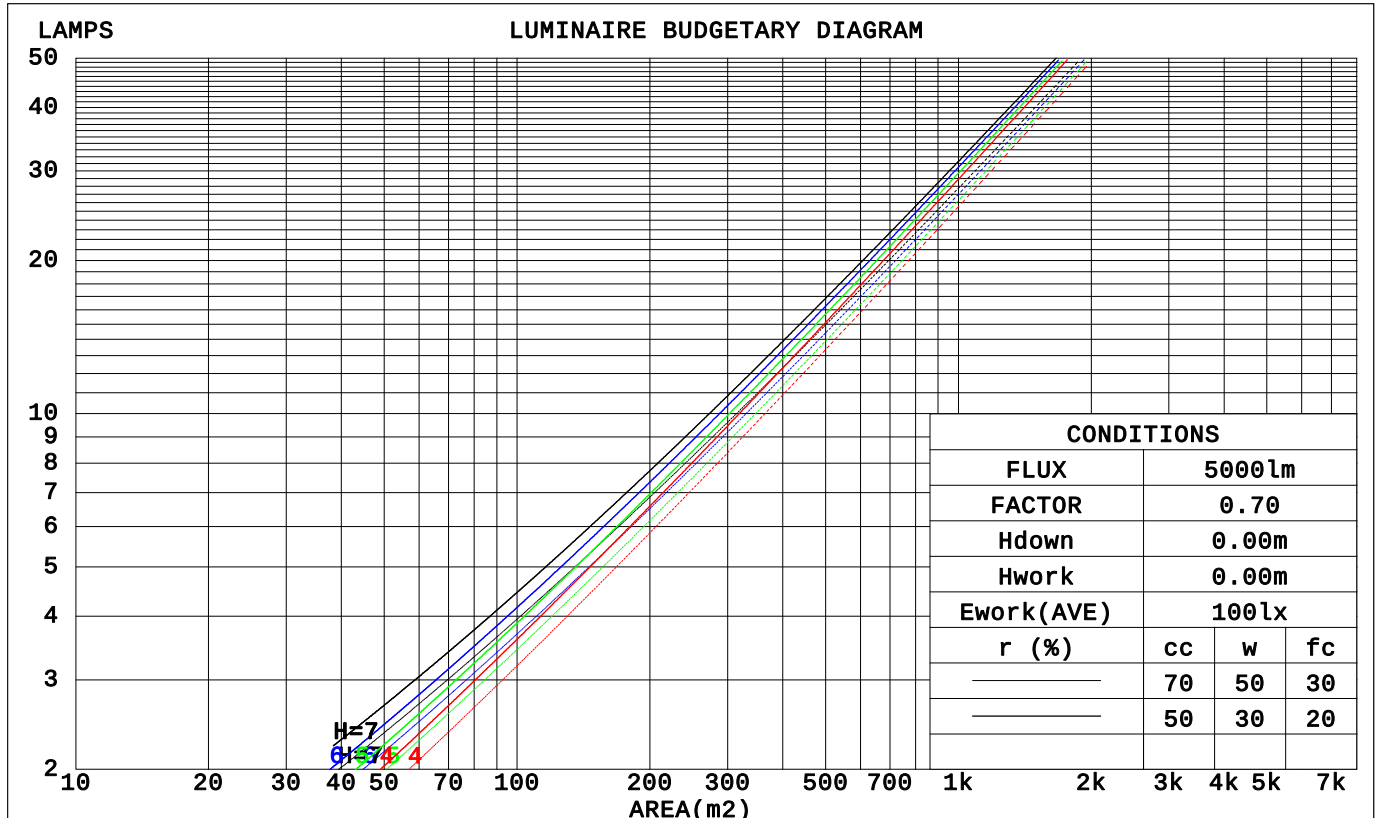
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number :

MANUFACTURER: Havit Lighting	Address:		
NAME: HV5841T-2.7K	TYPE:downlight	WEIGHT:0.5KG	
SPECIFICATION:HV5841T-2.7K	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															



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

Test Set: 8.0deg/s C-Gamma (TYPE C)
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Remarks:

WEC AND CCEC

Report number :

MANUFACTURER: Havit Lighting	Address:		
NAME: HV5841T-2.7K	TYPE:downlight	WEIGHT:0.5KG	
SPECIFICATION:HV5841T-2.7K	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	.193	.110	.035	.186	.106	.034	.173	.099	.032	.162	.093	.030	.151	.088	.028	
2.0	.181	.099	.030	.175	.096	.030	.164	.091	.028	.155	.087	.027	.146	.082	.026	
3.0	.170	.091	.027	.166	.089	.027	.156	.085	.026	.148	.081	.025	.140	.078	.024	
4.0	.161	.084	.025	.157	.082	.024	.149	.079	.024	.142	.076	.023	.135	.073	.022	
5.0	.153	.078	.023	.149	.077	.022	.142	.074	.022	.136	.072	.021	.130	.069	.021	
6.0	.145	.073	.021	.142	.072	.021	.136	.070	.020	.130	.068	.020	.125	.066	.020	
7.0	.138	.068	.019	.136	.068	.019	.130	.066	.019	.125	.064	.019	.120	.063	.018	
8.0	.132	.065	.018	.130	.064	.018	.125	.062	.018	.120	.061	.018	.116	.060	.017	
9.0	.126	.061	.017	.124	.060	.017	.120	.059	.017	.116	.058	.017	.112	.057	.016	
10.0	.121	.058	.016	.119	.058	.016	.115	.056	.016	.112	.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	.085	.058	.054	.050	.019	.017	.016	
2.0	.157	.132	.111	.135	.114	.096	.092	.079	.067	.053	.046	.039	.017	.015	.013	
3.0	.145	.114	.088	.125	.098	.077	.086	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.135	.099	.071	.116	.086	.062	.080	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.126	.087	.059	.109	.076	.051	.075	.053	.036	.043	.031	.021	.014	.010	.007	
6.0	.119	.078	.049	.102	.068	.043	.071	.047	.030	.041	.028	.018	.013	.009	.006	
7.0	.113	.071	.041	.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	.088	.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-2.7K	TYPE:downlight	WEIGHT:0.5KG	
SPECIFICATION:HV5841T-2.7K	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	3.1	4.1	3.4	4.3	4.5
3H	3.2	4.1	3.4	4.3	4.5	3.2	4.1	3.5	4.3	4.5
4H	3.3	4.1	3.6	4.4	4.6	3.3	4.2	3.6	4.4	4.6
6H	3.6	4.4	3.9	4.6	4.9	3.7	4.5	4.0	4.7	5.0
8H	3.9	4.6	4.2	4.9	5.2	4.0	4.7	4.3	5.0	5.2
12H	4.3	5.0	4.6	5.3	5.6	4.4	5.1	4.7	5.4	5.7
4H 2H	2.9	3.8	3.2	4.0	4.2	3.0	3.9	3.3	4.1	4.3
3H	3.2	3.9	3.5	4.2	4.4	3.2	3.9	3.5	4.2	4.5
4H	3.4	4.1	3.8	4.4	4.7	3.5	4.1	3.8	4.4	4.8
6H	3.9	4.5	4.3	4.8	5.2	4.0	4.6	4.3	4.9	5.2
8H	4.3	4.8	4.7	5.2	5.6	4.4	4.9	4.8	5.3	5.6
12H	4.9	5.4	5.3	5.8	6.1	5.0	5.5	5.4	5.8	6.2
8H 4H	3.5	4.0	3.9	4.4	4.8	3.5	4.1	3.9	4.5	4.8
6H	4.2	4.7	4.7	5.1	5.5	4.3	4.8	4.7	5.2	5.6
8H	4.8	5.2	5.3	5.6	6.1	4.9	5.3	5.3	5.7	6.2
12H	5.6	5.9	6.1	6.4	6.8	5.7	6.0	6.1	6.5	6.9
12H 4H	3.5	4.0	3.9	4.4	4.8	3.6	4.1	4.0	4.5	4.8
6H	4.3	4.7	4.8	5.2	5.6	4.4	4.8	4.8	5.2	5.7
8H	5.0	5.4	5.5	5.8	6.3	5.1	5.4	5.6	5.9	6.4
Variations with the observer position at spacings:										
S = 1.0H	+ 1.7 / - 1.3					+ 1.7 / - 1.2				
1.5H	+ 3.2 / - 1.2					+ 3.3 / - 1.2				
2.0H	+ 1.4 / - 0.8					+ 1.4 / - 0.7				

CIE Pub.117 Corrected 499.6 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.4)

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-2.7K	TYPE:downlight	WEIGHT:0.5KG	
SPECIFICATION:HV5841T-2.7K	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	75	85	79	75	85	79	75	71
0.80	93	87	83	93	87	83	91	86	83	79
1.00	98	92	88	97	92	88	95	91	87	83
1.25	102	96	93	101	96	92	99	95	92	87
1.50	105	100	96	103	99	96	101	97	95	90
2.00	108	103	100	106	102	99	103	100	97	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	108	106	107	105	104	96
5.00	114	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		

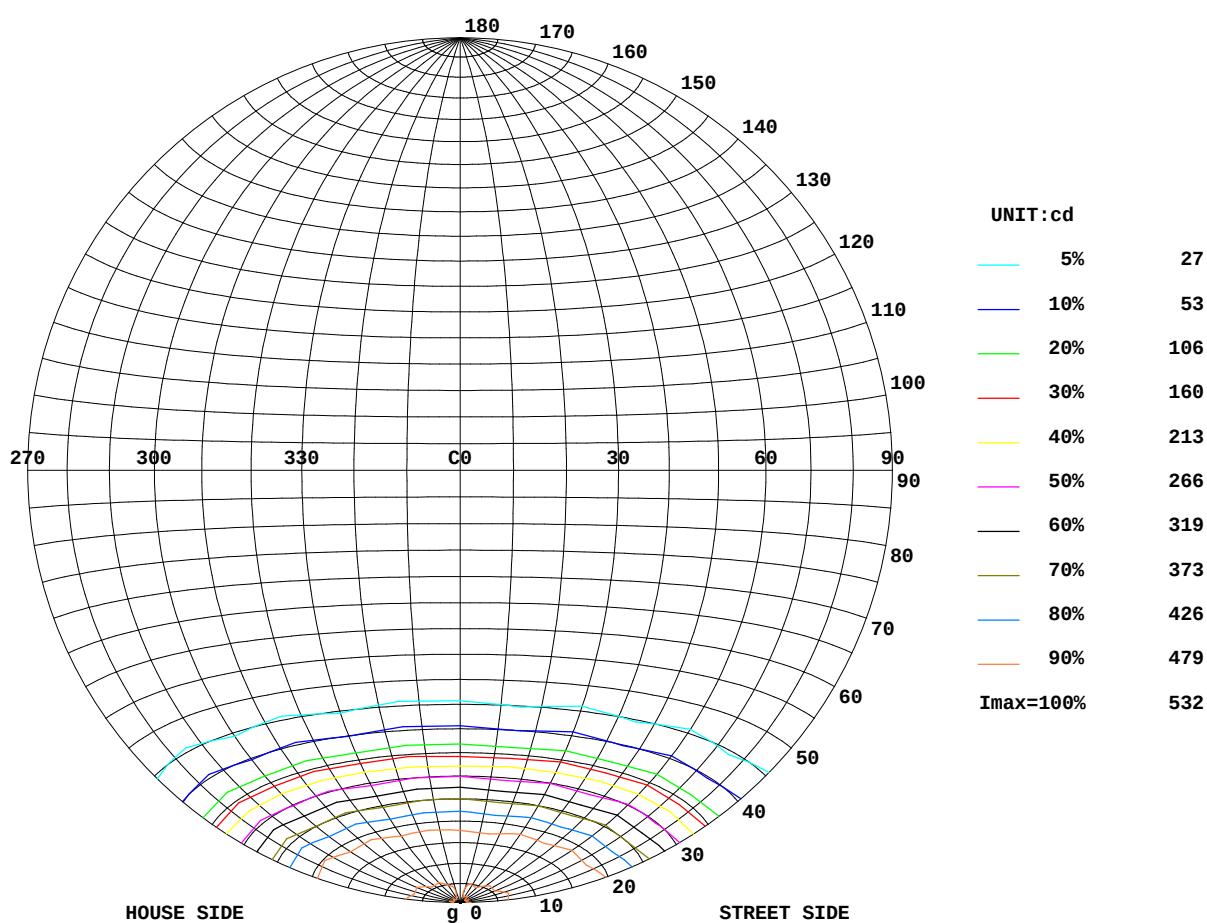
Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-2.7K	DIMENSION:	SERIAL No.:2013051602



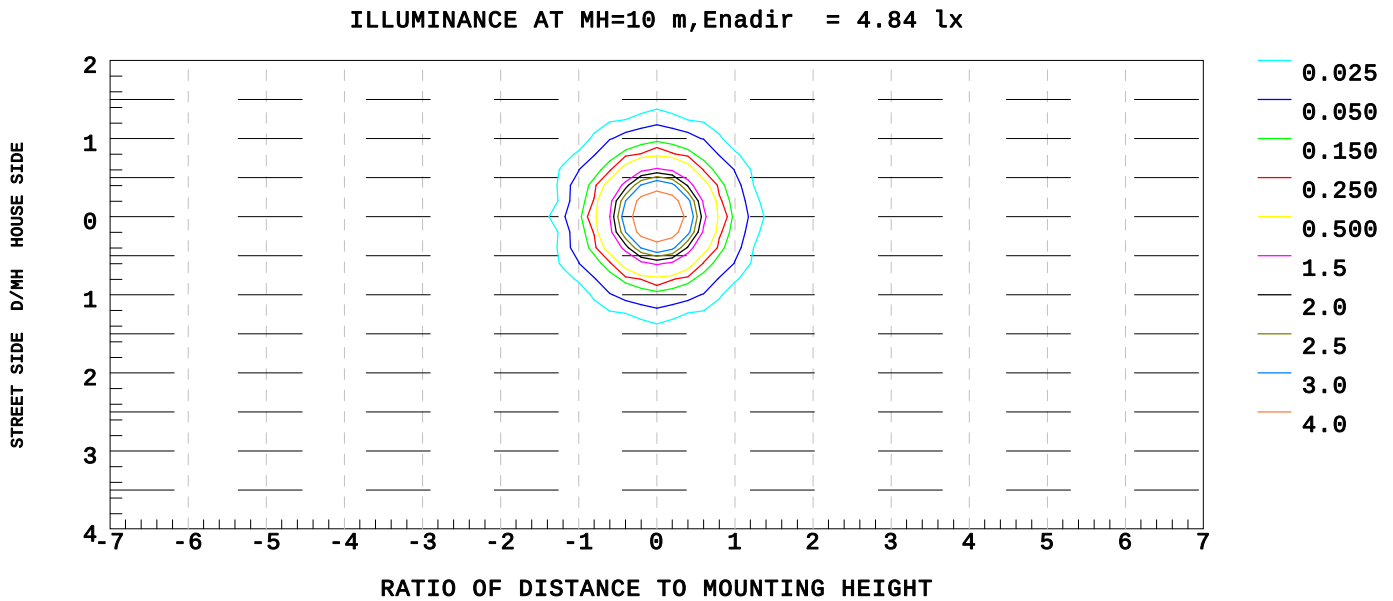
Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-2.7K	DIMENSION:	SERIAL No.:2013051602



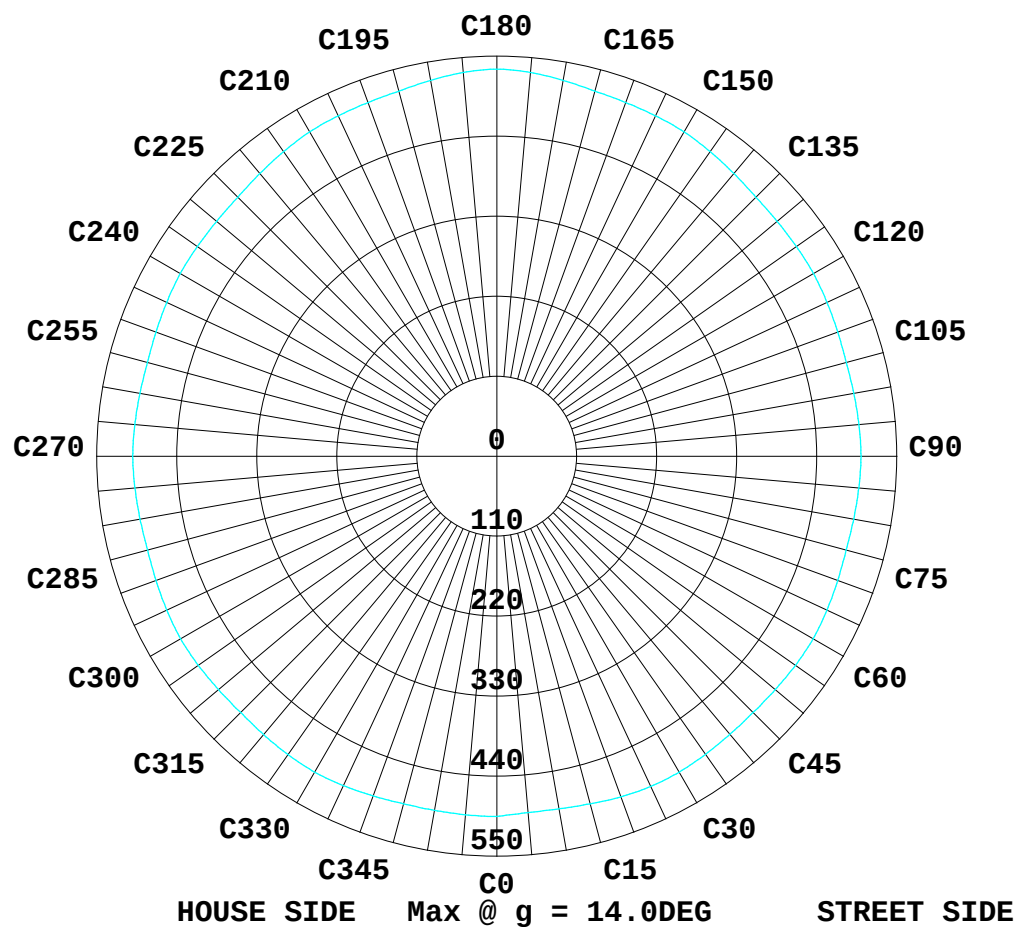
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-2.7K	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-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-2.7K	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	484	482	483	482	482	481	482	481	482	481	482	481	481	481	482
5.0	482	479	480	478	478	476	478	477	480	482	488	491	497	491	488
10.0	493	492	496	493	494	489	490	487	491	495	505	512	524	512	505
15.0	494	492	499	496	501	496	501	498	503	504	515	518	531	518	515
20.0	457	450	460	455	467	463	477	473	481	475	484	478	488	478	484
25.0	373	361	372	363	378	373	393	388	402	393	405	393	401	393	405
30.0	264	253	265	254	270	263	280	272	288	278	292	282	294	282	292
35.0	130	139	149	140	146	139	147	142	150	146	155	156	169	156	155
40.0	58.1	52.7	59.7	51.4	57.3	50.1	57.5	51.4	60.2	54.3	62.6	55.6	63.8	55.6	62.6
45.0	29.3	25.6	30.2	25.0	29.2	24.4	28.9	24.5	29.6	25.3	30.0	25.4	29.7	25.4	30.0
50.0	16.4	13.3	16.7	13.1	16.2	12.9	16.1	12.9	16.2	12.8	16.1	13.1	16.2	13.1	16.1
55.0	11.2	8.70	11.4	8.63	11.1	8.44	11.0	8.32	10.9	8.19	10.8	8.32	11.0	8.32	10.8
60.0	8.63	6.33	8.63	6.33	8.57	6.33	8.38	6.01	8.19	5.88	8.19	6.20	8.38	6.20	8.19
65.0	6.72	4.86	6.78	4.80	6.65	4.67	6.52	4.54	6.46	4.48	6.46	4.54	6.52	4.54	6.46
70.0	5.50	3.84	5.50	3.84	5.50	3.84	5.50	3.84	5.50	3.84	5.50	3.84	5.44	3.84	5.50
75.0	4.92	3.52	4.99	3.52	4.99	3.58	5.05	3.58	5.05	3.58	4.99	3.58	5.05	3.58	4.99
80.0	4.60	3.32	4.67	3.39	4.73	3.39	4.73	3.39	4.73	3.45	4.73	3.39	4.67	3.39	4.73
85.0	4.22	3.13	4.28	3.20	4.28	3.13	4.35	3.20	4.35	3.20	4.35	3.20	4.28	3.20	4.35
90.0	3.77	3.00	3.77	3.00	3.77	3.00	3.77	3.00	3.77	3.00	3.77	3.00	3.71	3.00	3.77

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-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-2.7K	DIMENSION:	SERIAL No.:2013051602

UNIT: cd

C(DEG) g (DEG)	225	240	255	270	285	300	315	330	345
0.0	481	482	481	482	481	482	482	483	482
5.0	482	480	477	478	476	478	478	480	479
10.0	495	491	487	490	489	494	493	496	492
15.0	504	503	498	501	496	501	496	499	492
20.0	475	481	473	477	463	467	455	460	450
25.0	393	402	388	393	373	378	363	372	361
30.0	278	288	272	280	263	270	254	265	253
35.0	146	150	142	147	139	146	140	149	139
40.0	54.3	60.2	51.4	57.5	50.1	57.3	51.4	59.7	52.7
45.0	25.3	29.6	24.5	28.9	24.4	29.2	25.0	30.2	25.6
50.0	12.8	16.2	12.9	16.1	12.9	16.2	13.1	16.7	13.3
55.0	8.19	10.9	8.32	11.0	8.44	11.1	8.63	11.4	8.70
60.0	5.88	8.19	6.01	8.38	6.33	8.57	6.33	8.63	6.33
65.0	4.48	6.46	4.54	6.52	4.67	6.65	4.80	6.78	4.86
70.0	3.84	5.50	3.84	5.50	3.84	5.50	3.84	5.50	3.84
75.0	3.58	5.05	3.58	5.05	3.58	4.99	3.52	4.99	3.52
80.0	3.45	4.73	3.39	4.73	3.39	4.73	3.39	4.67	3.32
85.0	3.20	4.35	3.20	4.35	3.13	4.28	3.20	4.28	3.13
90.0	3.00	3.77	3.00	3.77	3.00	3.77	3.00	3.77	3.00

Test System:HOP00 HPG1800
 Temperature:25.3DEG
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Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
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