

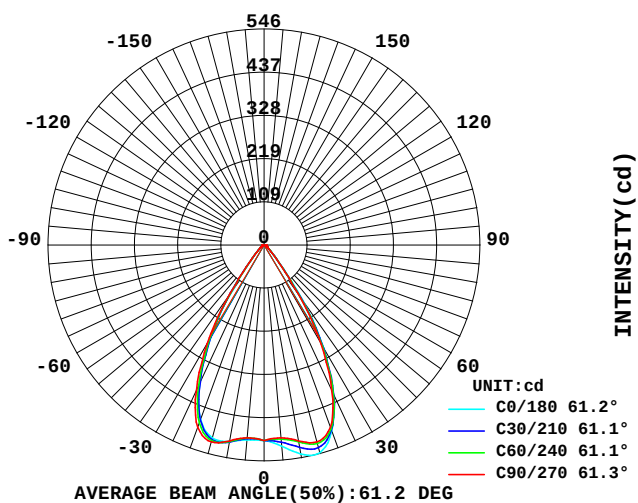
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number :

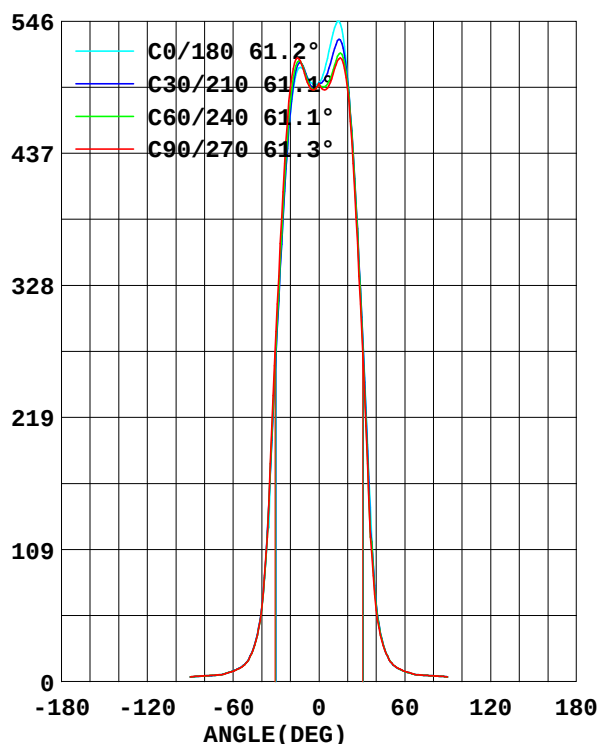
MANUFACTURER: Havit Lighting	Address:	
NAME: HV5841T-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-3K	DIMENSION:	SERIAL No.:2013051602

DATA OF LAMP		Imax(cd)	546.3	S/MH(C0/180)	0.91
MODEL	HV5841T-3K	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.92
NOMINAL POWER(W)	7	TOTAL FLUX(lm)	512.86	Voltage(V)	229.3
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	70.2	Current(A)	0.036
NOMINAL FLUX(lm)	512.9	h up(%)	0.0	Power(W)	7.310
LAMPS QUANTITY	1	h down(%)	100.0	Power Factor(PF)	0.886
TEST VOLTAGE(V)	229.3	Effective Flux(lm)	467.5	EEI	0.174

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



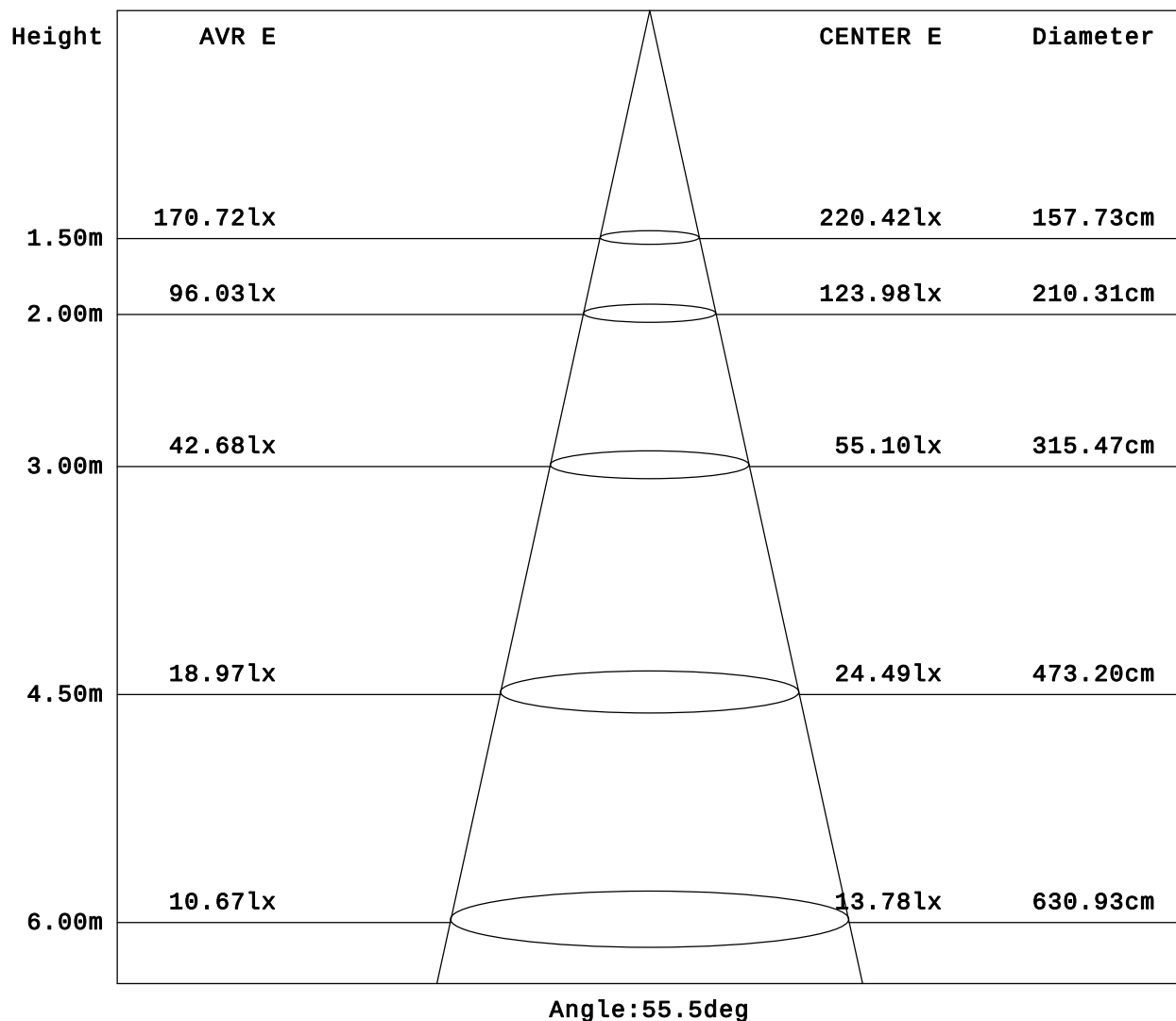
Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-3K	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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-3K	DIMENSION:	SERIAL No.:2013051602

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	Total
5.0	495.0	489.4	489.8	494.5	510.5	494.5	489.8	489.4	0- 5	11.77	11.77
10.0	504.5	503.8	503.1	509.8	536.9	509.8	503.1	503.8	5- 10	35.85	47.63
15.0	505.6	506.4	515.9	520.1	544.4	520.1	515.9	506.4	10- 15	61.13	108.7
20.0	469.6	466.5	491.2	489.9	501.1	489.9	491.2	466.5	15- 20	82.91	191.6
25.0	384.6	374.2	405.0	404.7	411.8	404.7	405.0	374.2	20- 25	92.83	284.5
30.0	271.4	260.9	289.4	286.6	301.3	286.6	289.4	260.9	25- 30	85.52	370.0
35.0	127.8	139.5	149.6	152.3	169.4	152.3	149.6	139.5	30- 35	63.67	433.7
40.0	59.45	52.09	59.19	56.44	64.06	56.44	59.19	52.09	35- 40	32.09	465.8
45.0	29.95	25.34	29.69	26.11	30.01	26.11	29.69	25.34	40- 45	14.95	480.7
50.0	16.70	13.31	16.57	13.24	16.44	13.24	16.57	13.31	45- 50	8.265	489.0
55.0	11.52	8.832	11.20	8.448	11.13	8.448	11.20	8.832	50- 55	5.287	494.3
60.0	8.768	6.464	8.575	6.080	8.512	6.080	8.575	6.464	55- 60	3.986	498.3
65.0	6.784	4.864	6.656	4.608	6.592	4.608	6.656	4.864	60- 65	3.191	501.4
70.0	5.568	3.904	5.632	3.904	5.568	3.904	5.632	3.904	65- 70	2.583	504.0
75.0	4.992	3.584	5.120	3.648	5.120	3.648	5.120	3.584	70- 75	2.346	506.4
80.0	4.672	3.456	4.800	3.520	4.800	3.520	4.800	3.456	75- 80	2.271	508.6
85.0	4.288	3.200	4.416	3.264	4.416	3.264	4.416	3.200	80- 85	2.161	510.8
90.0	3.776	3.072	3.840	3.136	3.776	3.136	3.840	3.072	85- 90	2.004	512.8
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:

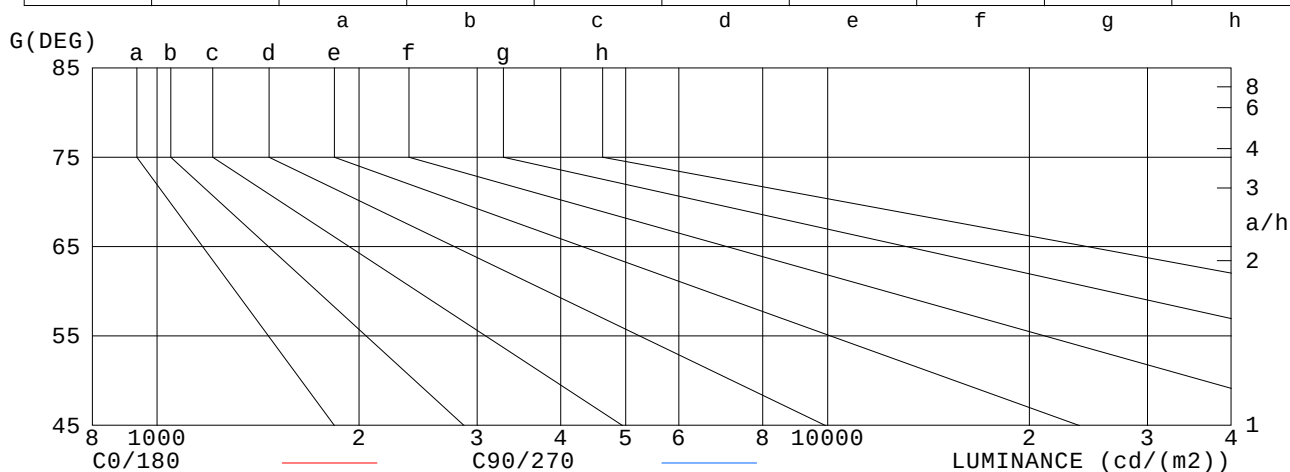
LUMINANCE LIMITATION CURVES

Report number :

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5841T-3K	TYPE: downlight	WEIGHT: 0.5KG
SPECIFICATION: HV5841T-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



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	246	253
80	135	138
75	96	99
70	81	82
65	80	79
60	88	86
55	100	98
50	130	129
45	212	210

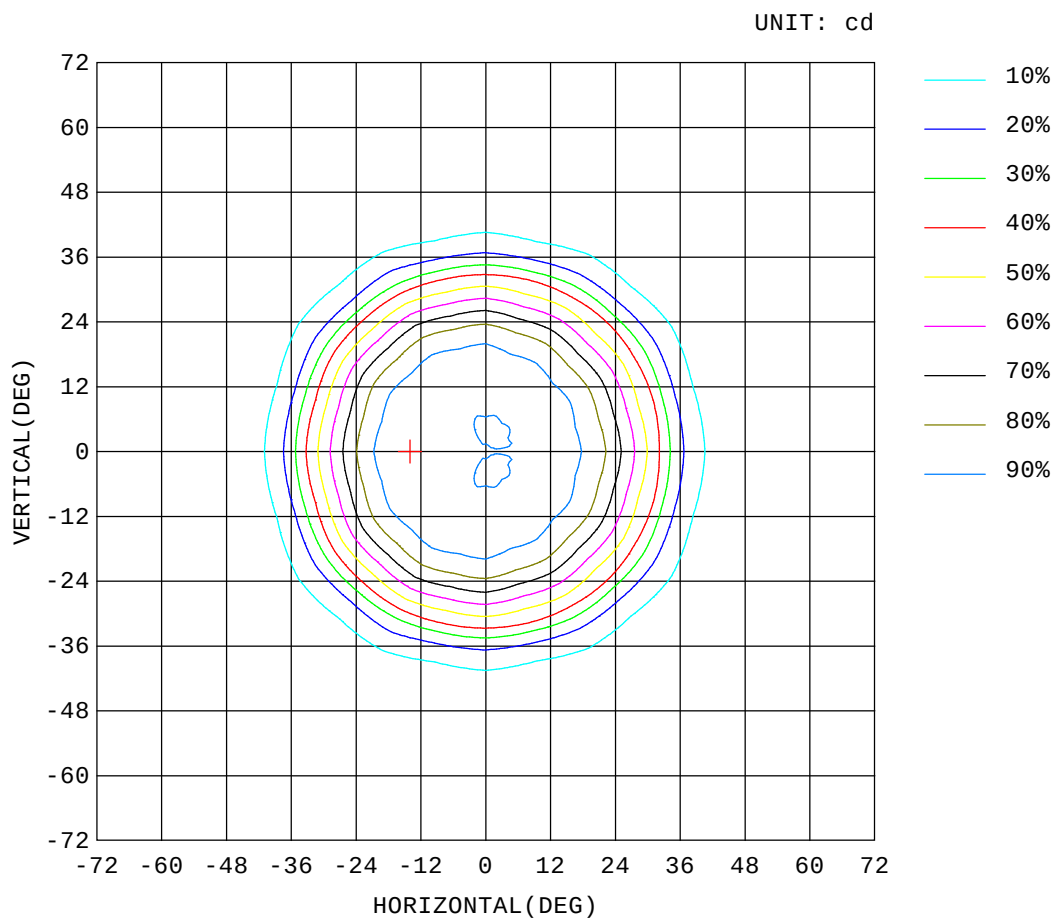
Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-3K	DIMENSION:	SERIAL No.:2013051602



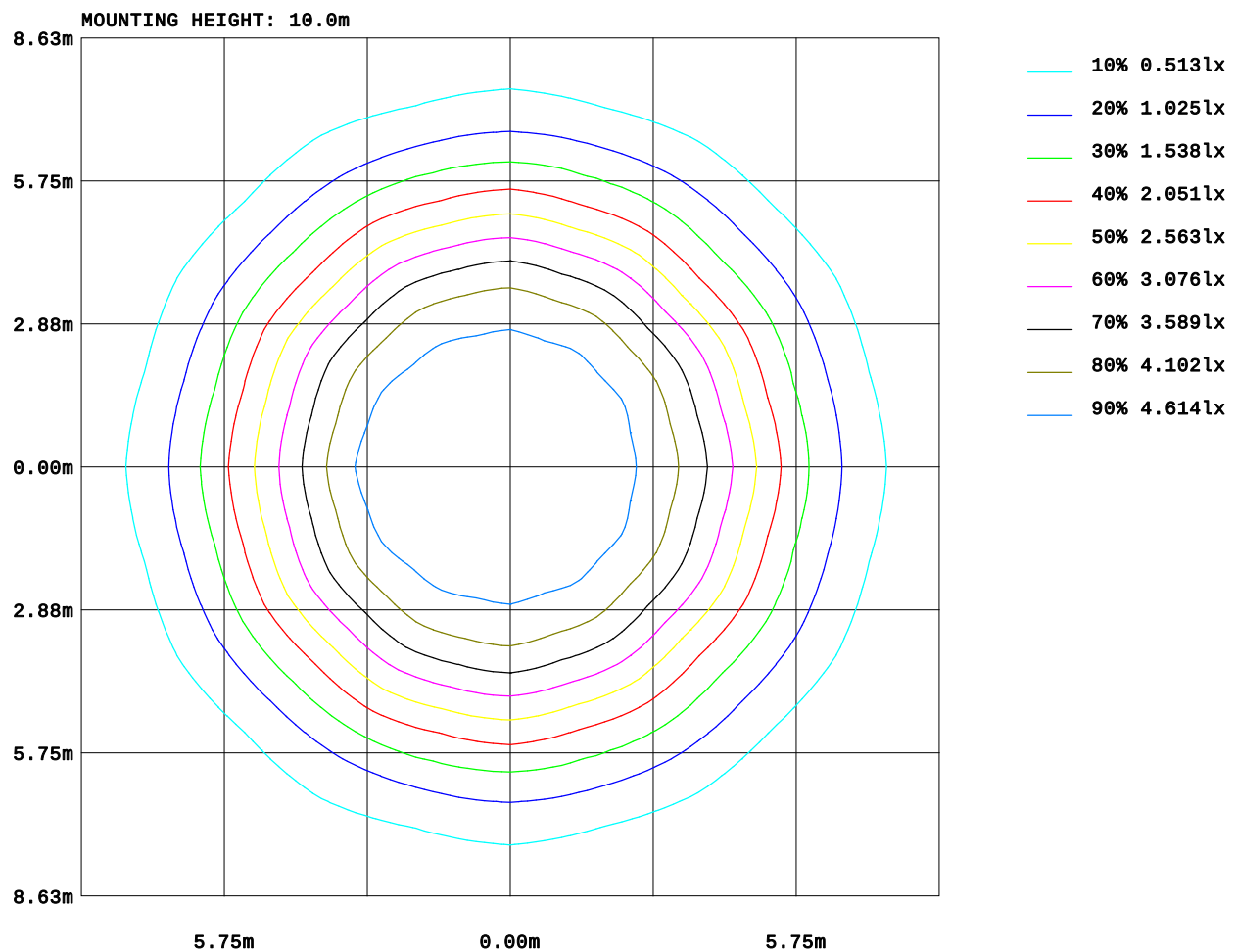
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-3K	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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-3K	DIMENSION:	SERIAL No.:2013051602

72	AREA FLUX DIAGRAM																		UNIT:lm		F t	F a			
	0.03	0.05	0.05	0.05	0.07	0.09	0.09	0.08	0.11	0.11	0.08	0.09	0.09	0.07	0.05	0.05	0.04	0.03	1.23	0.00					
64	0.03	0.05	0.06	0.06	0.08	0.11	0.12	0.12	0.15	0.16	0.13	0.13	0.12	0.08	0.06	0.06	0.05	0.03	1.58	0.00					
56	0.03	0.05	0.07	0.08	0.10	0.16	0.20	0.21	0.26	0.26	0.21	0.20	0.17	0.11	0.08	0.07	0.05	0.03	2.31	0.00					
48	0.03	0.05	0.08	0.11	0.15	0.25	0.41	0.51	0.64	0.64	0.50	0.40	0.25	0.16	0.12	0.08	0.05	0.03	4.45	0.02					
40	0.03	0.05	0.09	0.16	0.27	0.53	1.13	1.84	2.46	2.42	1.76	1.06	0.51	0.27	0.17	0.10	0.05	0.03	12.9	9.55					
32	0.03	0.05	0.10	0.22	0.54	1.40	3.36	5.33	6.30	6.18	5.06	3.14	1.28	0.52	0.22	0.11	0.05	0.03	33.9	31.7					
24	0.03	0.06	0.11	0.29	1.00	3.27	6.15	8.38	9.26	9.11	7.97	5.65	2.97	0.93	0.29	0.12	0.06	0.04	55.7	54.0					
VERTICAL (DEG)	0.04	0.07	0.14	0.39	1.62	4.88	8.10	9.74	9.93	9.87	9.39	7.54	4.42	1.45	0.38	0.14	0.07	0.04	68.2	66.7					
	0.04	0.08	0.16	0.49	2.21	5.73	8.86	10.1	9.72	9.60	9.63	8.31	5.23	1.92	0.48	0.17	0.08	0.04	72.9	71.4					
	0.04	0.08	0.16	0.49	2.21	5.73	8.86	10.1	9.72	9.60	9.63	8.31	5.23	1.92	0.48	0.17	0.08	0.04	72.9	71.4					
	0.04	0.07	0.14	0.39	1.62	4.88	8.10	9.74	9.93	9.87	9.39	7.54	4.42	1.45	0.38	0.14	0.07	0.04	68.2	66.7					
	0.03	0.06	0.11	0.29	1.00	3.27	6.15	8.38	9.26	9.11	7.97	5.65	2.97	0.93	0.29	0.12	0.06	0.04	55.7	54.0					
	0.03	0.05	0.10	0.22	0.54	1.40	3.36	5.33	6.30	6.18	5.06	3.14	1.28	0.52	0.22	0.11	0.05	0.03	33.9	31.7					
	0.03	0.05	0.09	0.16	0.27	0.53	1.13	1.84	2.46	2.42	1.76	1.06	0.51	0.27	0.17	0.10	0.05	0.03	12.9	9.55					
	0.03	0.05	0.08	0.11	0.15	0.25	0.41	0.51	0.64	0.64	0.50	0.40	0.25	0.16	0.12	0.08	0.05	0.03	4.45	0.02					
	0.03	0.05	0.07	0.08	0.10	0.16	0.20	0.21	0.26	0.26	0.21	0.20	0.17	0.11	0.08	0.07	0.05	0.03	2.31	0.00					
	0.03	0.05	0.06	0.06	0.08	0.11	0.12	0.12	0.15	0.16	0.13	0.13	0.12	0.08	0.06	0.06	0.05	0.03	1.58	0.00					
	0.03	0.05	0.05	0.05	0.07	0.09	0.09	0.08	0.11	0.11	0.08	0.09	0.09	0.07	0.05	0.05	0.04	0.03	1.23	0.00					
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)										16	24	32	40	48	56	64
F t	0.58	1.00	1.74	3.70	12.0	32.9	56.8	72.6	77.6	76.7	69.5	53.0	30.1	11.0	3.72	1.78	1.01	0.58	513						
F a	0.00	0.00	0.00	0.13	8.97	30.2	54.4	70.5	75.3	74.3	67.3	50.5	27.4	7.63	0.03	0.00	0.00	0.00		468					

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

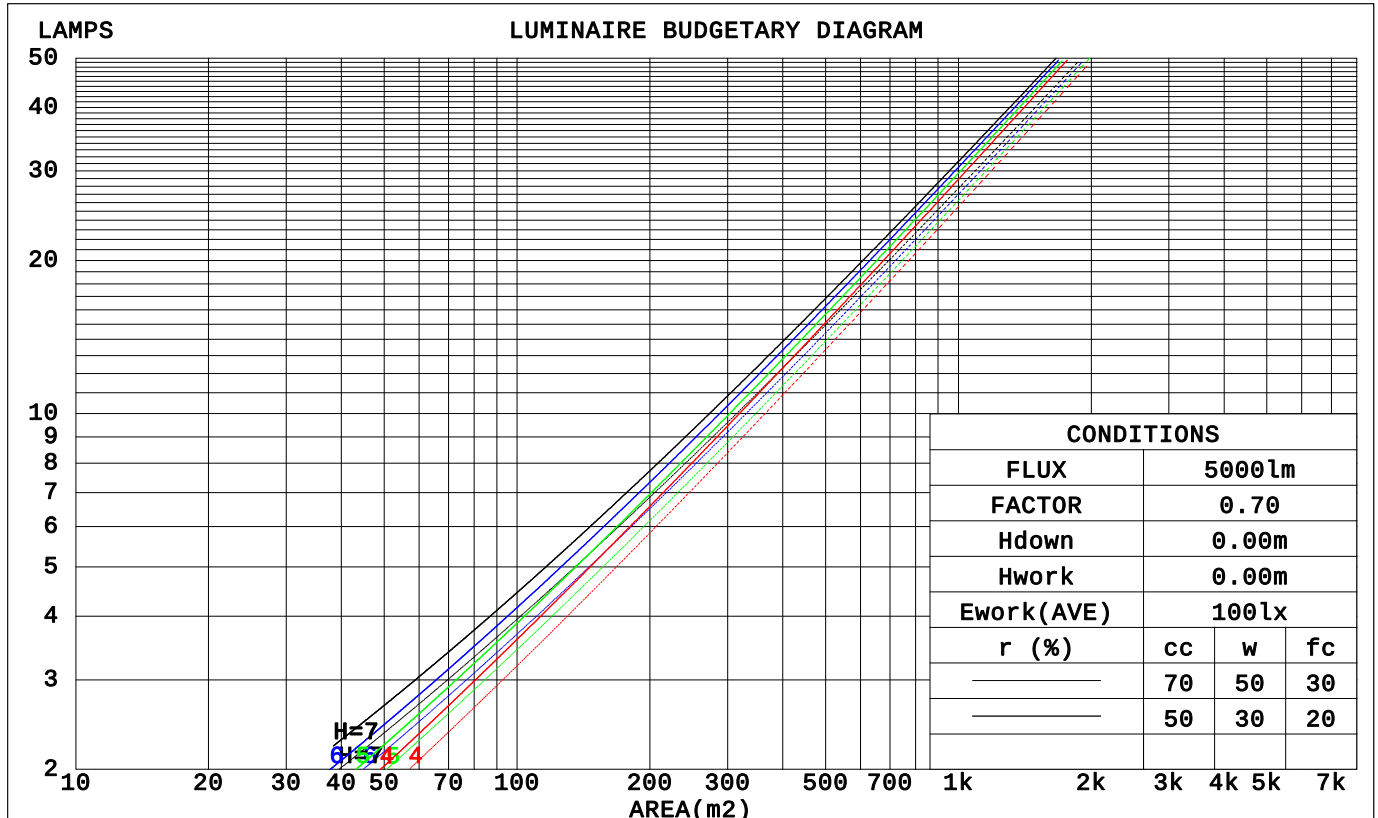
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number :

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5841T-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-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															



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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-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 Coefficients(WEC)										
0.0																	
1.0	.193	.110	.035	.186	.106	.034	.173	.099	.032	.162	.093	.030	.151	.087	.028		
2.0	.181	.099	.030	.175	.096	.030	.164	.091	.028	.154	.087	.027	.145	.082	.026		
3.0	.170	.091	.027	.165	.089	.027	.156	.085	.026	.148	.081	.025	.140	.077	.024		
4.0	.161	.084	.025	.157	.082	.024	.149	.079	.024	.141	.076	.023	.135	.073	.022		
5.0	.153	.078	.023	.149	.076	.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	.135	.067	.019	.130	.066	.019	.125	.064	.019	.120	.062	.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	.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	.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	.085	.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-3K	TYPE:downlight	WEIGHT:0.5KG	
SPECIFICATION:HV5841T-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	3.1	4.0	3.3	4.2	4.4	3.3	4.3	3.5	4.5	4.6
3H	3.1	4.0	3.4	4.2	4.4	3.4	4.3	3.6	4.5	4.7
4H	3.3	4.1	3.5	4.3	4.6	3.5	4.4	3.8	4.6	4.8
6H	3.6	4.4	3.9	4.6	4.9	3.8	4.6	4.1	4.9	5.1
8H	3.9	4.6	4.2	4.9	5.2	4.1	4.9	4.4	5.1	5.4
12H	4.3	5.0	4.6	5.3	5.6	4.5	5.2	4.8	5.5	5.8
4H 2H	2.9	3.8	3.2	4.0	4.2	3.2	4.0	3.5	4.3	4.5
3H	3.1	3.9	3.5	4.2	4.4	3.4	4.1	3.7	4.4	4.7
4H	3.4	4.1	3.7	4.4	4.7	3.6	4.3	4.0	4.6	4.9
6H	3.9	4.5	4.3	4.8	5.2	4.1	4.7	4.5	5.0	5.4
8H	4.3	4.8	4.7	5.2	5.6	4.5	5.0	4.9	5.4	5.8
12H	4.9	5.4	5.3	5.8	6.2	5.1	5.6	5.5	6.0	6.3
8H 4H	3.5	4.0	3.9	4.4	4.8	3.7	4.2	4.1	4.6	5.0
6H	4.2	4.7	4.7	5.1	5.5	4.4	4.9	4.8	5.3	5.7
8H	4.8	5.2	5.3	5.6	6.1	5.0	5.4	5.4	5.8	6.3
12H	5.6	5.9	6.1	6.4	6.9	5.8	6.1	6.2	6.6	7.0
12H 4H	3.5	4.0	3.9	4.4	4.8	3.7	4.2	4.1	4.6	5.0
6H	4.3	4.7	4.8	5.2	5.6	4.5	4.9	5.0	5.3	5.8
8H	5.0	5.4	5.5	5.8	6.3	5.2	5.5	5.7	6.0	6.5
Variations with the observer position at spacings:										
S = 1.0H	+ 1.7 / - 1.2					+ 1.8 / - 1.2				
1.5H	+ 3.2 / - 1.2					+ 3.4 / - 1.2				
2.0H	+ 1.4 / - 0.8					+ 1.4 / - 0.7				

CIE Pub.117 Corrected 512.8 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.3)

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-3K	TYPE:downlight	WEIGHT:0.5KG	
SPECIFICATION:HV5841T-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) $k(RI) \times RCR = 5$									
$k = 0.60$	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	104	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		

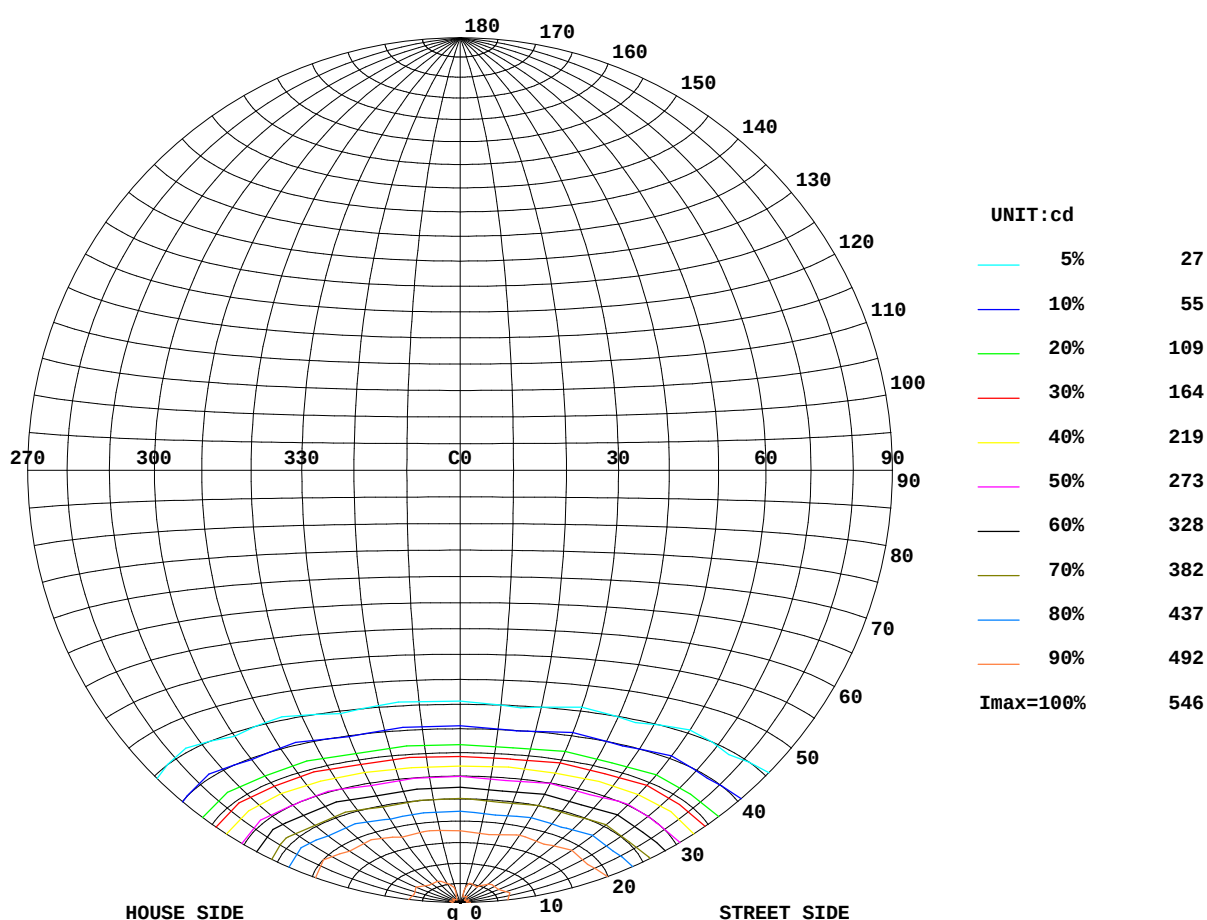
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-3K	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:

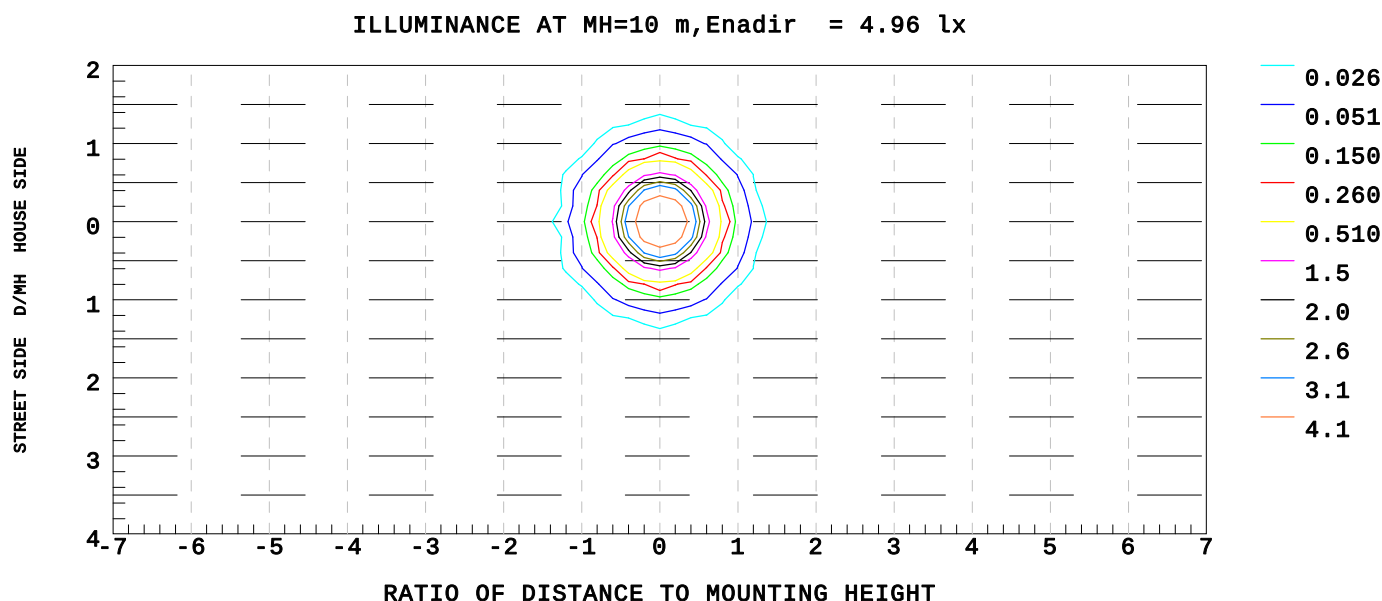
IES Flood Report

Photometric Filename:HV5841T-3K.IES

ISOLUX DIAGRAM

Report number :

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5841T-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-3K	DIMENSION:	SERIAL No.:2013051602



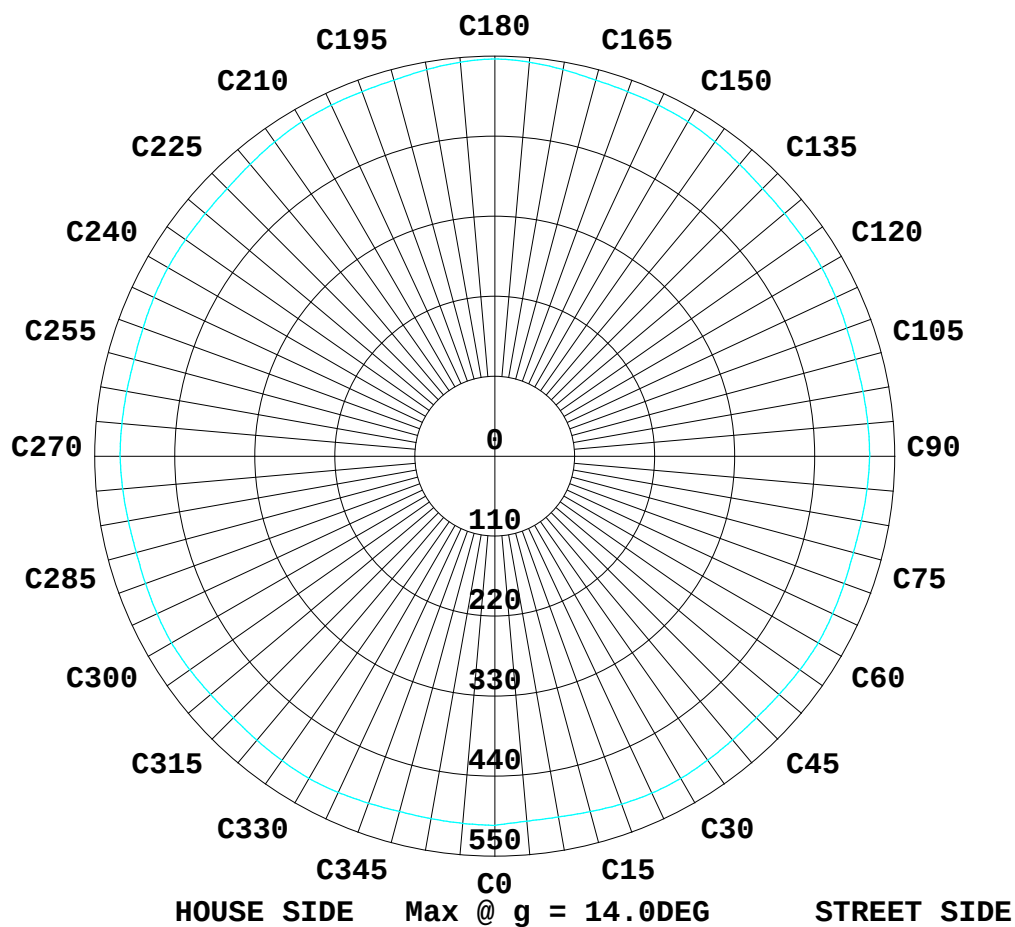
Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-02

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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-3K	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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-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	496	495	495	494	495	494	495	494	495	494	494	494	495	494	494
5.0	495	491	492	489	490	488	490	489	493	495	501	504	511	504	501
10.0	505	503	506	504	505	502	503	501	506	510	520	526	537	526	520
15.0	506	504	510	506	513	510	516	514	520	520	531	533	544	533	531
20.0	470	462	471	467	479	477	491	488	496	490	499	492	501	492	499
25.0	385	372	383	374	391	387	405	400	414	405	416	404	412	404	416
30.0	271	259	271	261	277	272	289	281	297	287	301	290	301	290	301
35.0	128	140	148	140	148	143	150	148	153	152	165	159	169	159	165
40.0	59.4	53.3	59.9	52.0	58.6	51.5	59.1	53.4	62.5	56.4	64.5	56.9	64.0	56.9	64.5
45.0	29.9	25.9	30.3	25.3	29.6	25.1	29.6	25.4	30.5	26.1	30.8	25.9	30.0	25.9	30.8
50.0	16.7	13.5	16.8	13.3	16.5	13.3	16.5	13.3	16.7	13.2	16.5	13.4	16.4	13.4	16.5
55.0	11.5	8.89	11.5	8.83	11.3	8.70	11.2	8.57	11.1	8.44	11.0	8.57	11.1	8.57	11.0
60.0	8.76	6.46	8.76	6.46	8.70	6.52	8.57	6.14	8.32	6.08	8.38	6.33	8.51	6.33	8.38
65.0	6.78	4.92	6.84	4.86	6.78	4.73	6.65	4.67	6.59	4.60	6.52	4.60	6.59	4.60	6.52
70.0	5.56	3.90	5.56	3.90	5.56	3.90	5.63	3.90	5.56	3.90	5.56	3.90	5.56	3.90	5.56
75.0	4.99	3.52	4.99	3.58	5.05	3.64	5.12	3.64	5.12	3.64	5.12	3.64	5.12	3.64	5.12
80.0	4.67	3.39	4.73	3.45	4.73	3.52	4.80	3.52	4.80	3.52	4.80	3.52	4.80	3.52	4.80
85.0	4.28	3.20	4.35	3.20	4.35	3.20	4.41	3.26	4.41	3.26	4.41	3.26	4.41	3.26	4.41
90.0	3.77	3.00	3.77	3.07	3.77	3.07	3.84	3.13	3.84	3.13	3.84	3.07	3.77	3.07	3.84

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number :

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5841T-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5841T-3K	DIMENSION:	SERIAL No.:2013051602

UNIT: cd

C(DEG)									
g (DEG)	225	240	255	270	285	300	315	330	345
0.0	494	495	494	495	494	495	494	495	495
5.0	495	493	489	490	488	490	489	492	491
10.0	510	506	501	503	502	505	504	506	503
15.0	520	520	514	516	510	513	506	510	504
20.0	490	496	488	491	477	479	467	471	462
25.0	405	414	400	405	387	391	374	383	372
30.0	287	297	281	289	272	277	261	271	259
35.0	152	153	148	150	143	148	140	148	140
40.0	56.4	62.5	53.4	59.1	51.5	58.6	52.0	59.9	53.3
45.0	26.1	30.5	25.4	29.6	25.1	29.6	25.3	30.3	25.9
50.0	13.2	16.7	13.3	16.5	13.3	16.5	13.3	16.8	13.5
55.0	8.44	11.1	8.57	11.2	8.70	11.3	8.83	11.5	8.89
60.0	6.08	8.32	6.14	8.57	6.52	8.70	6.46	8.76	6.46
65.0	4.60	6.59	4.67	6.65	4.73	6.78	4.86	6.84	4.92
70.0	3.90	5.56	3.90	5.63	3.90	5.56	3.90	5.56	3.90
75.0	3.64	5.12	3.64	5.12	3.64	5.05	3.58	4.99	3.52
80.0	3.52	4.80	3.52	4.80	3.52	4.73	3.45	4.73	3.39
85.0	3.26	4.41	3.26	4.41	3.20	4.35	3.20	4.35	3.20
90.0	3.13	3.84	3.13	3.84	3.07	3.77	3.07	3.77	3.00

Test System:HOP00 HPG1800
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