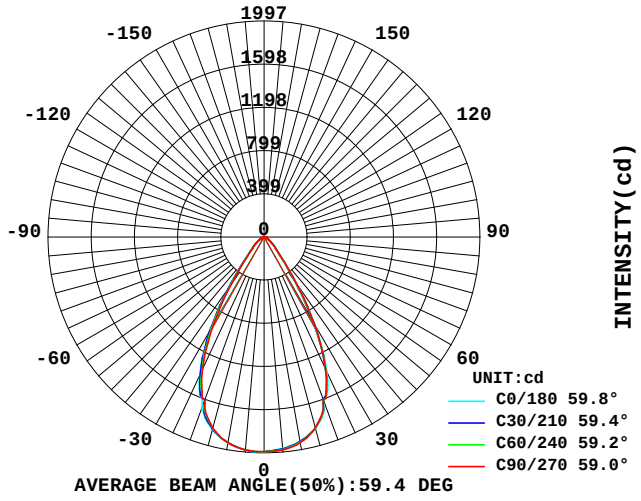
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5844T-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-5K	DIMENSION:	SERIAL No.:2013051602

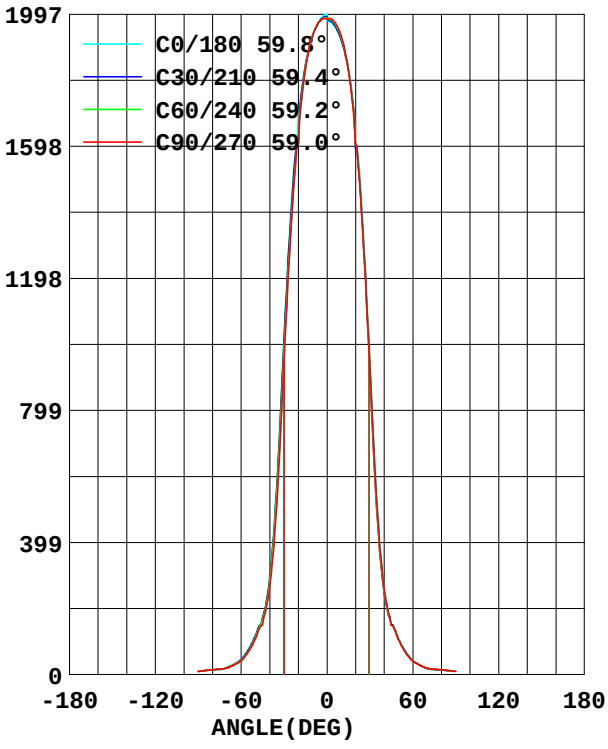
DATA OF LAMP		Imax(cd)	1997	S/MH(C0/180)	0.89
MODEL	HV5844T-5K	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.87
NOMINAL POWER(W)	22	TOTAL FLUX(lm)	1893.0	Voltage(V)	229.3
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	84.8	Current(A)	0.110
NOMINAL FLUX(lm)	1893.1	h up(%)	0.0	Power(W)	22.32
LAMPS QUANTITY	1	h down(%)	100.0	Power Factor(PF)	0.881
TEST VOLTAGE(V)	229.3	Effictive Flux(lm)	1693.1	EEI	0.180

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):59.4 DEG

LUMINOUS INTENSITY DISTRIBUTION



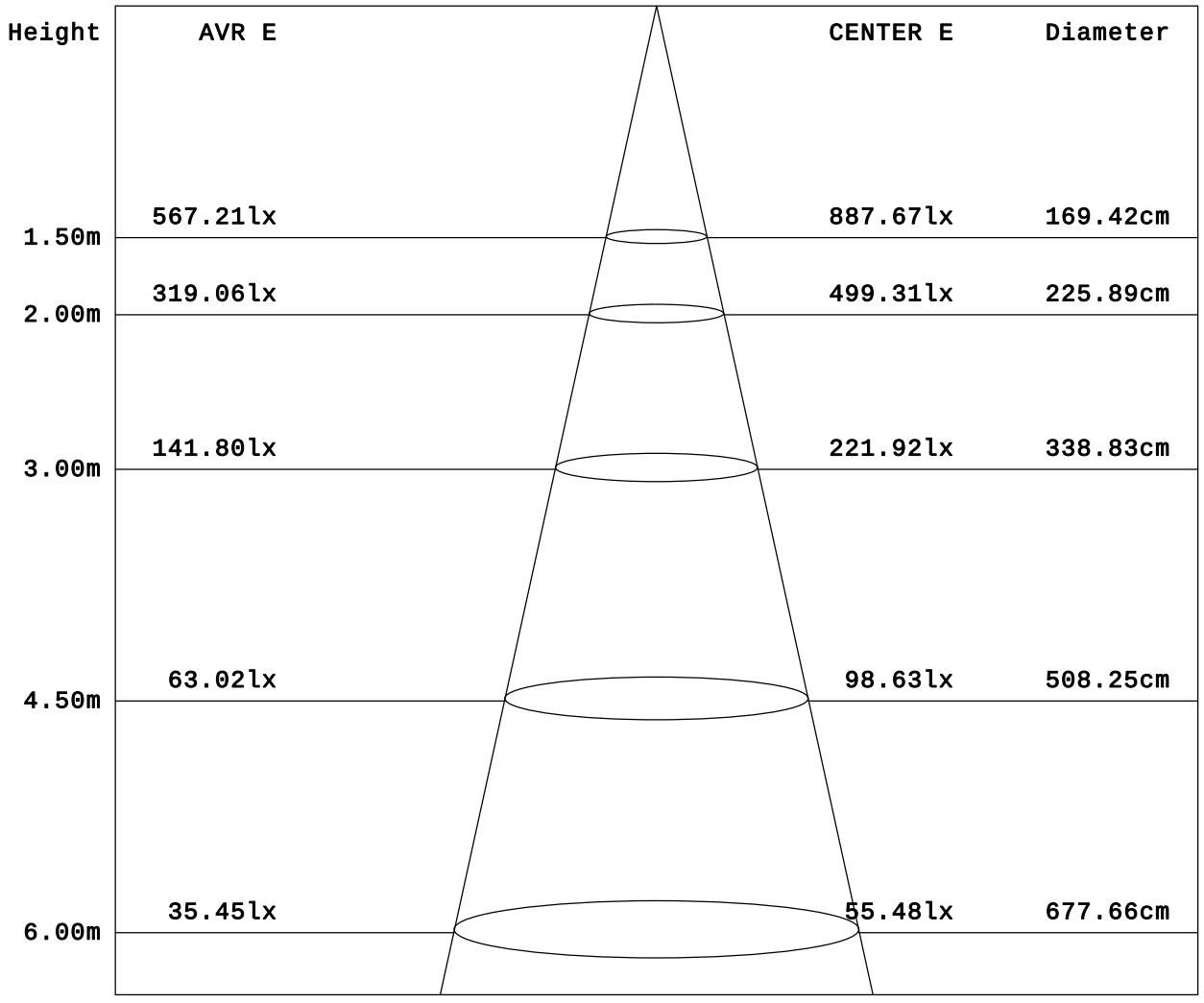
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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: HV5844T-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-5K	DIMENSION:	SERIAL No.:2013051602



Angle:58.9deg

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: HV5844T-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-5K	DIMENSION:	SERIAL No.:2013051602

g	C0	C45	C90	C135	C180	C225	C270	C315	g	zone	total
5.0	1979	1975	1976	1969	1963	1969	1976	1975	0- 5	47.31	47.31
10.0	1930	1933	1931	1931	1918	1931	1931	1933	5- 10	139.5	186.8
15.0	1846	1835	1830	1832	1833	1832	1830	1835	10- 15	223.4	410.3
20.0	1684	1655	1607	1648	1599	1648	1607	1655	15- 20	287.4	697.8
25.0	1405	1364	1345	1337	1373	1337	1345	1364	20- 25	316.5	1014
30.0	1010	977.5	944.0	916.9	956.1	916.9	944.0	977.5	25- 30	292.7	1307
35.0	563.2	552.1	517.5	485.2	521.8	485.2	517.5	552.1	30- 35	212.6	1520
40.0	283.8	272.9	261.2	241.6	259.8	241.6	261.2	272.9	35- 40	125.3	1645
45.0	171.2	164.5	149.5	153.3	150.6	153.3	149.5	164.5	40- 45	76.23	1721
50.0	119.4	107.1	108.2	101.0	111.2	101.0	108.2	107.1	45- 50	53.61	1775
55.0	75.77	65.85	68.54	61.75	70.97	61.75	68.54	65.85	50- 55	37.39	1812
60.0	46.65	39.80	41.40	37.43	42.75	37.43	41.40	39.80	55- 60	24.30	1837
65.0	30.84	27.20	28.48	25.47	28.60	25.47	28.48	27.20	60- 65	16.38	1853
70.0	20.54	17.60	19.58	16.38	19.00	16.38	19.58	17.60	65- 70	11.51	1865
75.0	15.93	14.20	16.12	13.69	15.36	13.69	16.12	14.20	70- 75	8.416	1873
80.0	14.46	12.86	14.59	12.41	13.88	12.41	14.59	12.86	75- 80	7.638	1881
85.0	12.22	10.81	12.41	10.43	11.83	10.43	12.41	10.81	80- 85	6.805	1888
90.0	9.471	8.768	9.856	8.896	9.856	8.896	9.856	8.768	85- 90	5.578	1893
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:

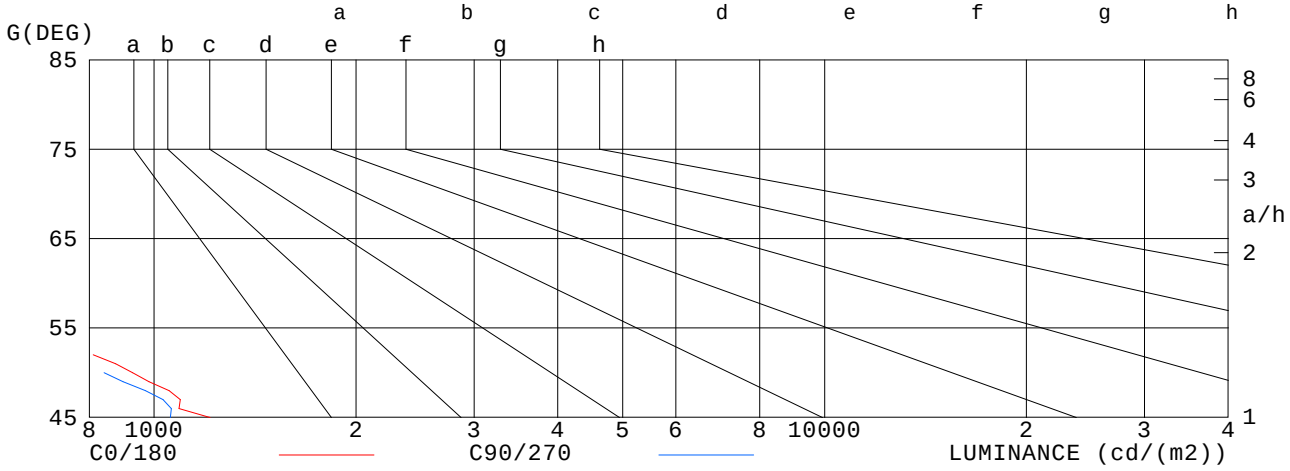
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: Havit Lighting	**Address:**	
NAME: HV5844T-5K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5844T-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
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	701	712
80	416	420
75	308	312
70	300	286
65	365	337
60	467	414
55	661	598
50	929	842
45	1211	1058

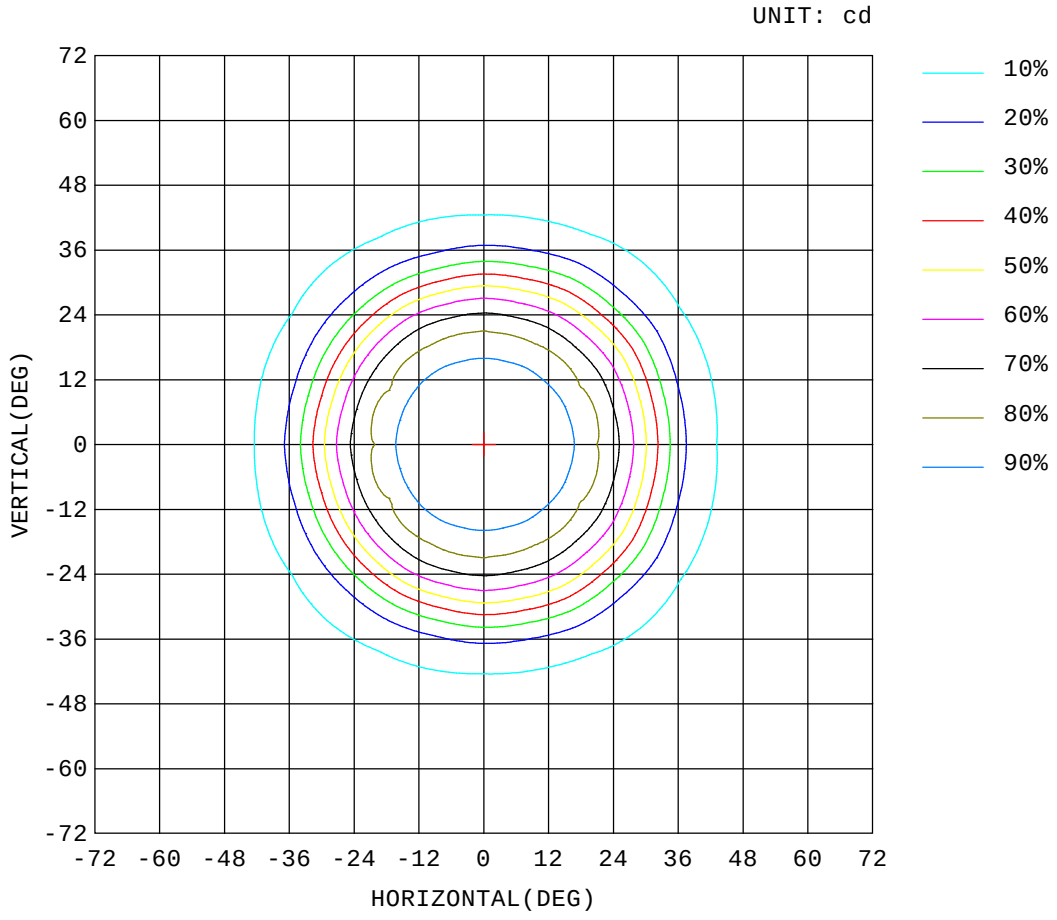
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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: HV5844T-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-5K	DIMENSION:	SERIAL No.:2013051602



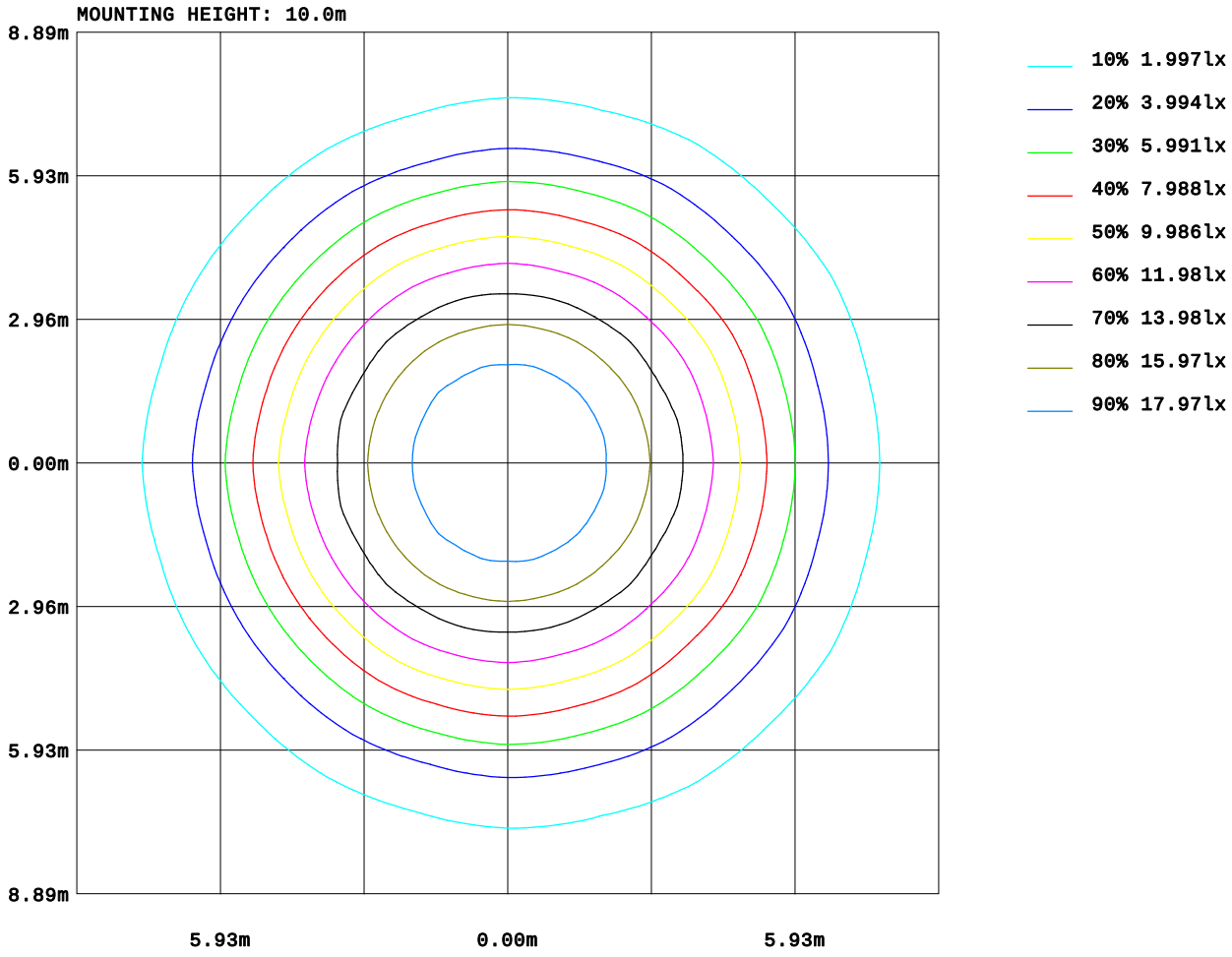
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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: HV5844T-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-5K	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: HV5844T-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-5K	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	0.09	0.14	0.17	0.20	0.25	0.32	0.35	0.38	0.43	0.44	0.39	0.37	0.34	0.26	0.21	0.18	0.14	0.09	4.74	0.00
64	0.09	0.15	0.20	0.26	0.38	0.53	0.63	0.70	0.81	0.81	0.72	0.65	0.56	0.41	0.29	0.21	0.15	0.10	7.65	0.00
56	0.10	0.16	0.27	0.42	0.62	0.94	1.26	1.48	1.71	1.72	1.51	1.30	0.99	0.65	0.45	0.30	0.17	0.10	14.1	0.00
48	0.10	0.19	0.37	0.64	1.07	1.72	2.39	2.97	3.41	3.43	3.05	2.51	1.81	1.14	0.69	0.41	0.21	0.11	26.2	3.48
40	0.11	0.23	0.49	1.00	1.77	2.87	4.59	6.78	8.65	8.88	7.28	5.05	3.13	1.90	1.09	0.54	0.26	0.12	54.7	42.0
32	0.12	0.28	0.64	1.42	2.63	5.25	10.6	16.9	20.6	20.8	17.6	11.7	5.97	2.91	1.55	0.71	0.30	0.14	121	111
24	0.14	0.33	0.81	1.81	3.91	10.0	19.8	27.5	31.1	31.1	27.8	20.7	11.4	4.50	1.97	0.88	0.36	0.15	195	187
	0.15	0.39	0.99	2.20	5.62	15.2	26.4	33.4	36.4	36.4	33.5	27.1	16.6	6.37	2.41	1.06	0.42	0.17	245	239
	0.17	0.43	1.11	2.48	7.14	18.5	29.6	35.6	38.0	38.2	35.8	30.0	19.5	7.85	2.68	1.19	0.46	0.18	269	263
	0.17	0.43	1.11	2.48	7.14	18.5	29.6	35.6	38.0	38.2	35.8	30.0	19.5	7.85	2.68	1.19	0.46	0.18	269	263
	0.15	0.39	0.99	2.20	5.62	15.2	26.4	33.4	36.4	36.4	33.5	27.1	16.6	6.37	2.41	1.06	0.42	0.17	245	239
-24	0.14	0.33	0.81	1.81	3.91	10.0	19.8	27.5	31.1	31.1	27.8	20.7	11.4	4.50	1.97	0.88	0.36	0.15	195	187
-32	0.12	0.28	0.64	1.42	2.63	5.25	10.6	16.9	20.6	20.8	17.6	11.7	5.97	2.91	1.55	0.71	0.30	0.14	121	111
-40	0.11	0.23	0.49	1.00	1.77	2.87	4.59	6.78	8.65	8.88	7.28	5.05	3.13	1.90	1.09	0.54	0.26	0.12	54.7	42.0
-48	0.10	0.19	0.37	0.64	1.07	1.72	2.39	2.97	3.41	3.43	3.05	2.51	1.81	1.14	0.69	0.41	0.21	0.11	26.2	3.48
-56	0.10	0.16	0.27	0.42	0.62	0.94	1.26	1.48	1.71	1.72	1.51	1.30	0.99	0.65	0.45	0.30	0.17	0.10	14.1	0.00
-64	0.09	0.15	0.20	0.26	0.38	0.53	0.63	0.70	0.81	0.81	0.72	0.65	0.56	0.41	0.29	0.21	0.15	0.10	7.65	0.00
-72	0.09	0.14	0.17	0.20	0.25	0.32	0.35	0.38	0.43	0.44	0.39	0.37	0.34	0.26	0.21	0.18	0.14	0.09	4.74	0.00
F t	2.14	4.57	10.0	20.9	46.8	111	192	252	283	284	256	199	121	52.0	22.7	10.9	4.96	2.32	1893	
F a	0.00	0.00	0.00	2.49	33.2	99.5	181	242	272	273	246	189	110	39.2	4.41	0.00	0.00	0.00		1693

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

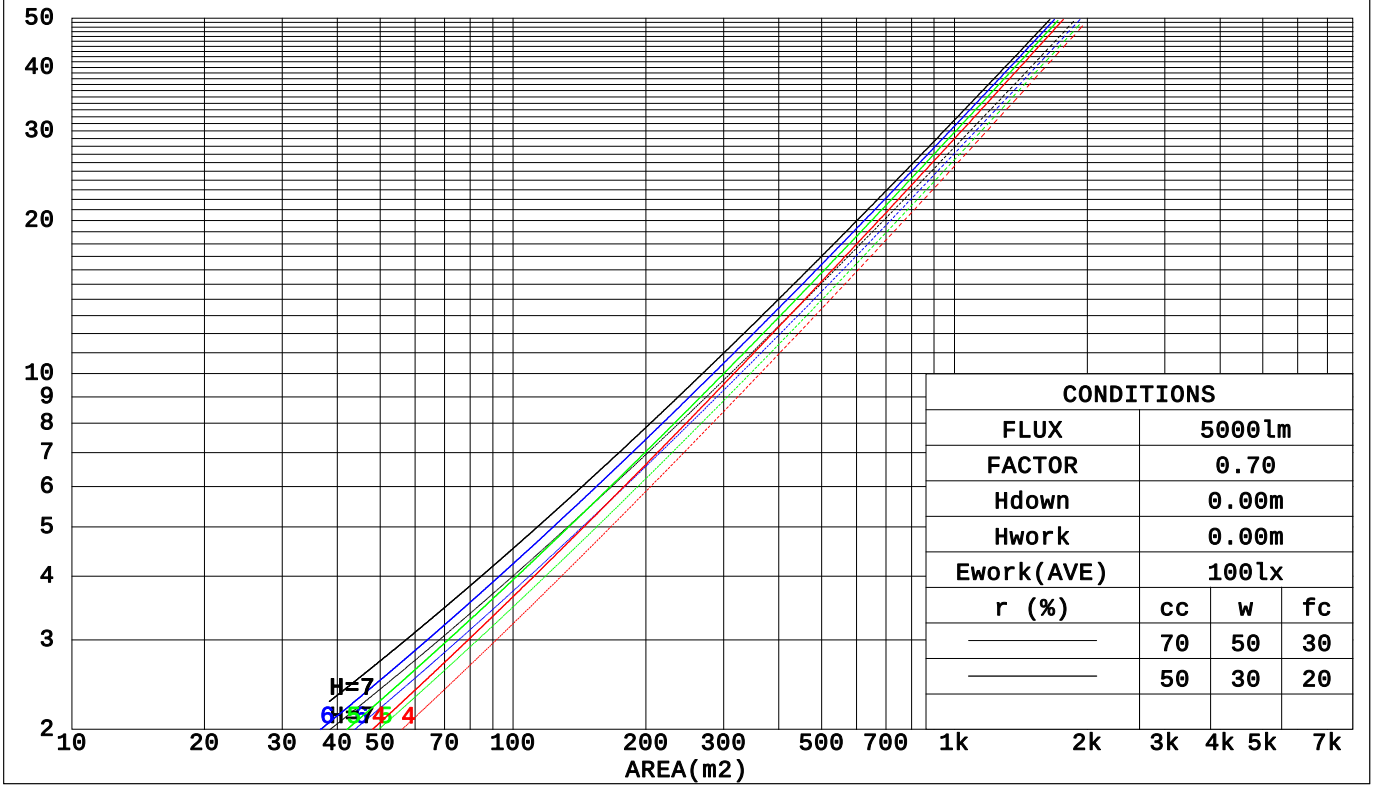
Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5844T-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-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	.00	.00	.98	.97	.96	.95	.94	.92
2.0	1.02	.97	.94	.00	.96	.93	.97	.93	.91	.94	.91	.89	.91	.89	.87	.85
3.0	.94	.89	.85	.93	.88	.84	.90	.86	.83	.88	.84	.81	.85	.83	.80	.79
4.0	.88	.82	.77	.87	.81	.77	.84	.80	.76	.82	.78	.75	.81	.77	.74	.73
5.0	.82	.76	.71	.81	.75	.71	.79	.74	.70	.77	.73	.70	.76	.72	.69	.68
6.0	.77	.70	.66	.76	.70	.66	.74	.69	.65	.73	.68	.65	.72	.68	.64	.63
7.0	.72	.66	.61	.71	.65	.61	.70	.65	.61	.69	.64	.61	.68	.63	.60	.59
8.0	.68	.62	.57	.67	.61	.57	.66	.61	.57	.65	.60	.57	.64	.60	.56	.55
9.0	.64	.58	.54	.63	.58	.54	.62	.57	.53	.62	.57	.53	.61	.56	.53	.52
10.0	.60	.54	.50	.60	.54	.50	.59	.54	.50	.58	.54	.50	.58	.53	.50	.49

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



CONDITIONS			
FLUX	5000lm		
FACTOR	0.70		
Hdown	0.00m		
Hwork	0.00m		
Ework(AVE)	100lx		
r (%)	cc	w	fc
———	70	50	30
———	50	30	20

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: HV5844T-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-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 Coeffcients(WEC)									
0.0																
1.0	.195	.111	.035	.188	.107	.034	.176	.101	.032	.164	.095	.030	.153	.089	.029	
2.0	.184	.101	.031	.179	.098	.030	.168	.093	.029	.158	.089	.028	.149	.084	.027	
3.0	.174	.093	.028	.169	.091	.027	.160	.087	.026	.152	.083	.025	.144	.080	.025	
4.0	.165	.086	.025	.161	.084	.025	.153	.081	.024	.145	.078	.024	.138	.075	.023	
5.0	.156	.080	.023	.152	.078	.023	.146	.076	.022	.139	.073	.022	.133	.071	.021	
6.0	.148	.074	.021	.145	.073	.021	.139	.071	.021	.133	.069	.020	.128	.067	.020	
7.0	.141	.070	.020	.138	.069	.020	.133	.067	.019	.128	.066	.019	.123	.064	.019	
8.0	.135	.066	.018	.132	.065	.018	.127	.064	.018	.123	.062	.018	.118	.061	.018	
9.0	.129	.062	.017	.126	.062	.017	.122	.060	.017	.118	.059	.017	.114	.058	.017	
10.0	.123	.059	.016	.121	.058	.016	.117	.057	.016	.113	.056	.016	.110	.055	.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	.143	.147	.135	.123	.101	.093	.085	.058	.054	.050	.019	.017	.016	
2.0	.158	.132	.111	.135	.114	.096	.093	.079	.067	.053	.046	.039	.017	.015	.013	
3.0	.146	.114	.088	.125	.098	.076	.086	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.136	.099	.071	.117	.086	.062	.080	.060	.043	.046	.035	.026	.015	.011	.008	
5.0	.128	.088	.058	.110	.076	.051	.075	.053	.036	.044	.031	.021	.014	.010	.007	
6.0	.120	.078	.049	.103	.068	.042	.071	.048	.030	.041	.028	.018	.013	.009	.006	
7.0	.114	.071	.041	.098	.062	.036	.068	.043	.025	.039	.025	.015	.013	.008	.005	
8.0	.108	.065	.035	.093	.056	.031	.064	.039	.022	.037	.023	.013	.012	.008	.004	
9.0	.103	.060	.031	.088	.052	.027	.061	.036	.019	.036	.021	.011	.012	.007	.004	
10.0	.098	.055	.027	.085	.048	.023	.059	.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: HV5844T-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-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	9.1	10.1	9.3	10.3	10.5	8.8	9.8	9.0	9.9	10.1
3H	9.2	10.1	9.4	10.3	10.5	8.8	9.8	9.1	10.0	10.2
4H	9.2	10.1	9.5	10.3	10.6	8.9	9.8	9.2	10.0	10.2
6H	9.4	10.2	9.7	10.4	10.7	9.1	9.9	9.4	10.1	10.4
8H	9.5	10.3	9.8	10.5	10.8	9.2	10.0	9.5	10.2	10.5
12H	9.7	10.4	10.0	10.7	11.0	9.4	10.2	9.7	10.4	10.7
4H 2H	9.0	9.9	9.3	10.1	10.3	8.7	9.6	9.0	9.8	10.0
3H	9.2	9.9	9.5	10.2	10.5	8.9	9.6	9.2	9.9	10.2
4H	9.3	10.0	9.6	10.3	10.6	9.0	9.7	9.3	10.0	10.3
6H	9.6	10.2	9.9	10.5	10.8	9.3	9.9	9.7	10.2	10.6
8H	9.8	10.3	10.2	10.7	11.0	9.5	10.1	9.9	10.4	10.8
12H	10.1	10.6	10.5	11.0	11.3	9.9	10.4	10.3	10.7	11.1
8H 4H	9.3	9.9	9.7	10.2	10.6	9.0	9.6	9.4	9.9	10.3
6H	9.7	10.2	10.1	10.6	11.0	9.5	9.9	9.9	10.3	10.7
8H	10.0	10.5	10.5	10.9	11.3	9.8	10.3	10.3	10.7	11.1
12H	10.5	10.9	11.0	11.3	11.8	10.3	10.7	10.8	11.1	11.6
12H 4H	9.3	9.8	9.7	10.2	10.6	9.0	9.5	9.4	9.9	10.3
6H	9.8	10.2	10.2	10.6	11.0	9.5	9.9	10.0	10.4	10.8
8H	10.2	10.5	10.6	11.0	11.4	10.0	10.3	10.4	10.8	11.2
Variations with the observer position at spacings:										
S = 1.0H	+ 1.5 / - 1.6					+ 1.3 / - 1.6				
1.5H	+ 2.6 / - 1.3					+ 2.3 / - 1.2				
2.0H	+ 2.0 / - 1.1					+ 1.8 / - 1.0				

CIE Pub.117 Corrected 1893 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.2)

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: HV5844T-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-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) x RCR = 5									
k = 0.60	83	76	72	83	76	72	82	76	72	68
0.80	91	85	80	90	84	80	89	84	80	76
1.00	96	90	86	95	90	86	94	90	85	81
1.25	101	95	91	100	94	91	98	93	90	85
1.50	104	98	95	102	98	94	100	96	93	88
2.00	107	102	99	105	101	98	103	99	96	91
2.50	109	104	101	107	103	100	104	101	98	92
3.00	111	107	104	109	105	103	105	103	100	94
4.00	113	110	107	111	108	106	107	105	103	96
5.00	114	111	109	112	110	108	108	106	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004	Suspended								SHRNOM = 1.25	

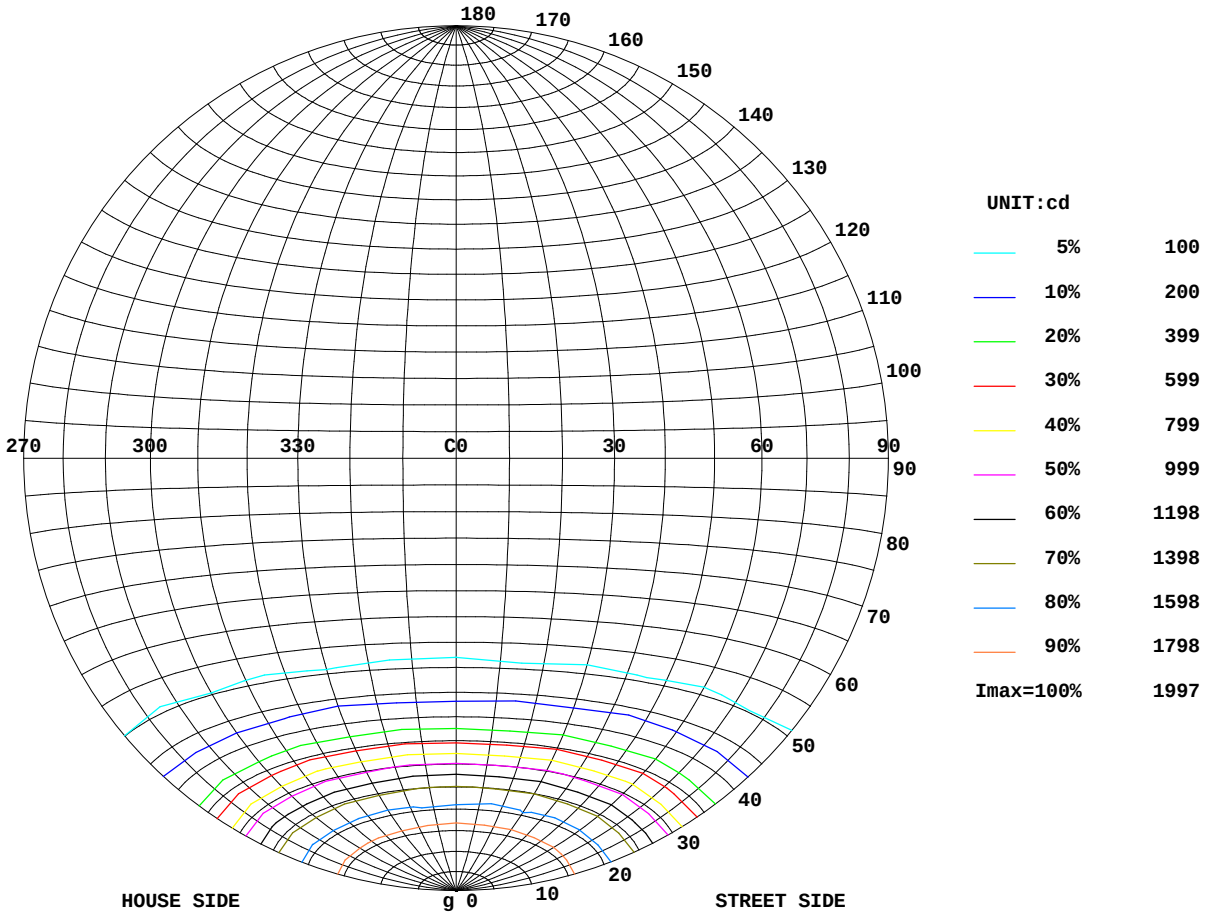
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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: HV5844T-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-5K	DIMENSION:	SERIAL No.:2013051602



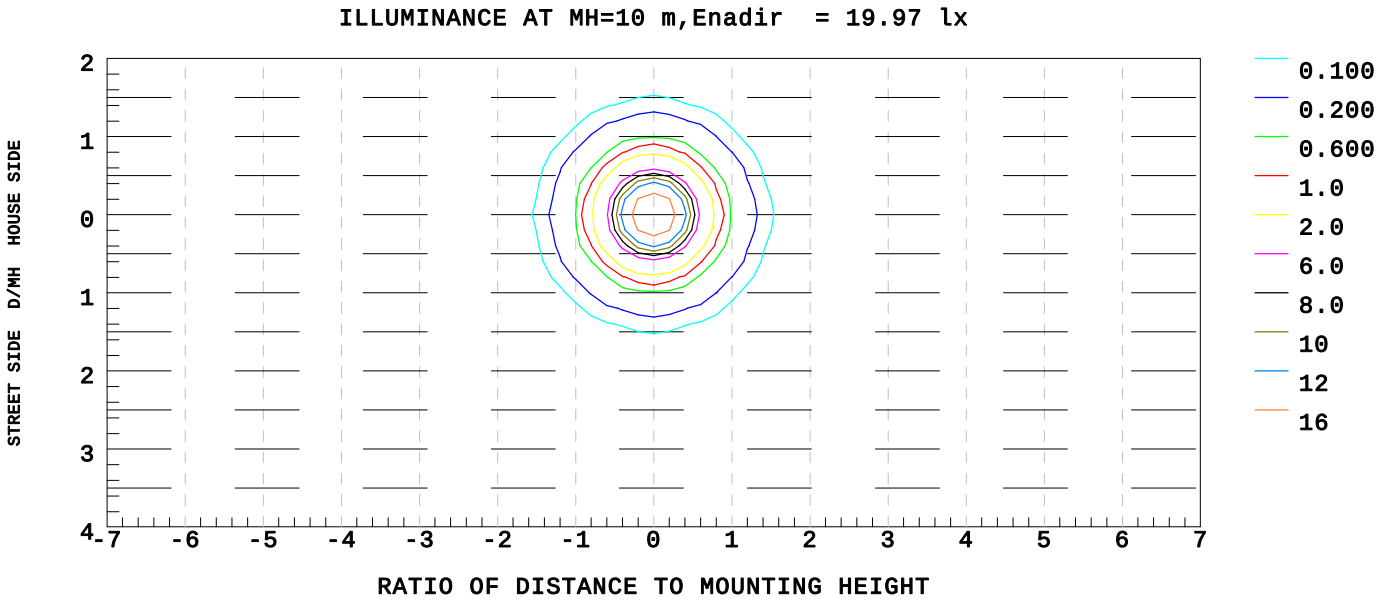
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

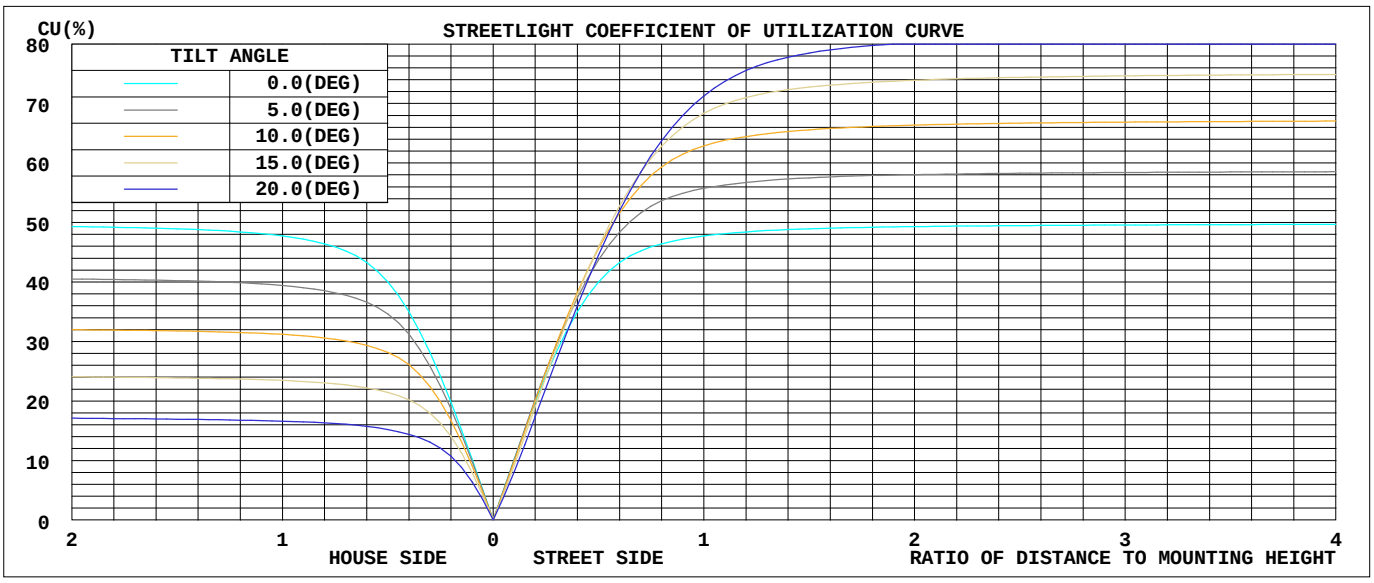
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5844T-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-5K	DIMENSION:	SERIAL No.:2013051602





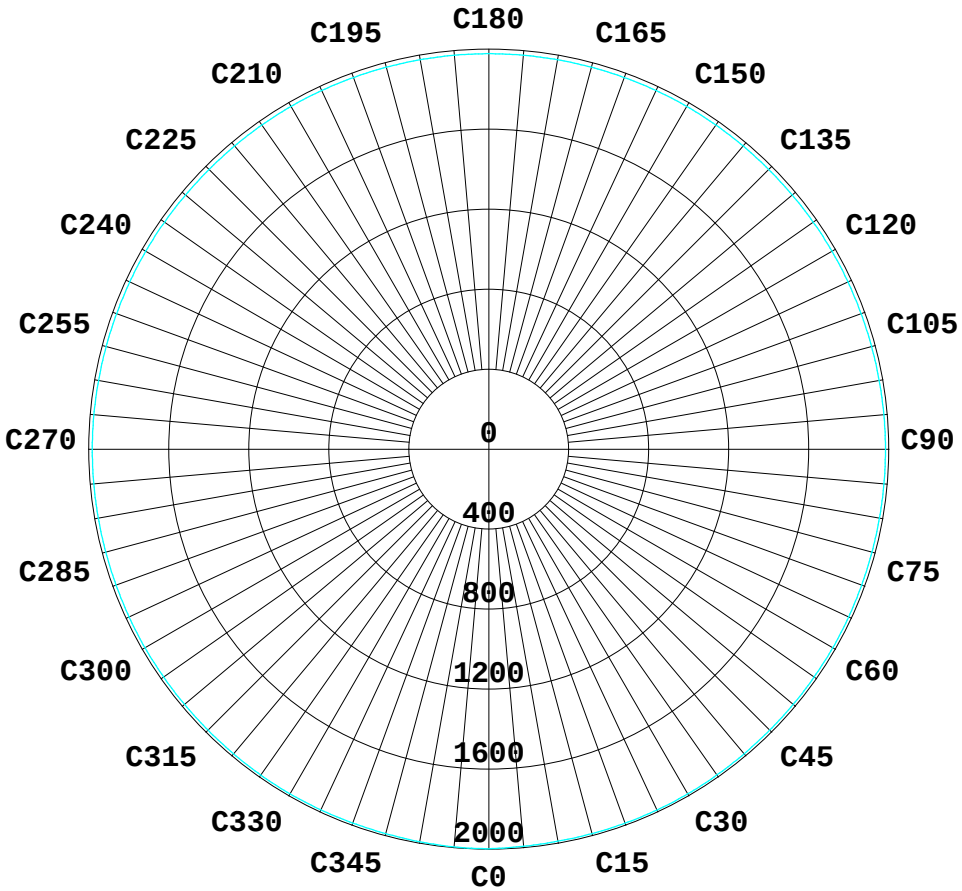
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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: HV5844T-5K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-5K	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: HV5844T-5K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5844T-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	1997	1990	1990	1986	1986	1983	1983	1981	1981	1979	1980	1978	1978	1978	1980
5.0	1979	1975	1977	1975	1977	1975	1976	1973	1972	1969	1967	1964	1963	1964	1967
10.0	1930	1931	1931	1933	1933	1934	1931	1933	1926	1931	1919	1928	1918	1928	1919
15.0	1846	1842	1842	1835	1835	1828	1830	1826	1832	1832	1830	1830	1833	1830	1830
20.0	1684	1673	1603	1655	1607	1636	1607	1638	1605	1648	1593	1657	1599	1657	1593
25.0	1405	1388	1394	1364	1362	1336	1345	1332	1348	1337	1339	1342	1373	1342	1339
30.0	1010	997	1012	978	978	940	944	917	932	917	919	920	956	920	919
35.0	563	555	575	552	556	520	518	488	498	485	490	491	522	491	490
40.0	284	276	289	273	278	258	261	245	252	242	246	242	260	242	246
45.0	171	167	172	165	167	158	150	154	150	153	152	154	151	154	152
50.0	119	110	117	107	113	102	108	100	108	101	107	102	111	102	107
55.0	75.7	68.4	73.2	65.8	70.0	62.5	68.5	61.1	68.0	61.7	66.6	62.5	70.9	62.5	66.6
60.0	46.6	41.4	45.1	39.8	43.2	37.9	41.4	36.8	41.2	37.4	40.9	37.5	42.7	37.5	40.9
65.0	30.8	27.3	30.6	27.2	29.8	25.8	28.4	25.1	28.4	25.4	28.0	25.0	28.6	25.0	28.0
70.0	20.5	17.8	20.4	17.6	20.0	17.1	19.5	16.6	19.2	16.3	18.5	16.1	19.0	16.1	18.5
75.0	15.9	14.0	16.1	14.2	16.2	14.2	16.1	13.9	15.8	13.6	15.5	13.4	15.3	13.4	15.5
80.0	14.4	12.7	14.6	12.8	14.7	12.8	14.5	12.6	14.3	12.4	14.0	12.1	13.8	12.1	14.0
85.0	12.2	10.6	12.4	10.8	12.4	10.8	12.4	10.6	12.1	10.4	11.7	10.1	11.8	10.1	11.7
90.0	9.47	8.57	9.59	8.76	9.79	8.89	9.85	8.96	9.79	8.89	9.85	8.89	9.85	8.89	9.85

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: HV5844T-5K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5844T-5K	**DIMENSION:**	**SERIAL No.:2013051602**

UNIT: cd

C(DEG) / g (DEG)	225	240	255	270	285	300	315	330	345
0.0	1979	1981	1981	1983	1983	1986	1986	1990	1990
5.0	1969	1972	1973	1976	1975	1977	1975	1977	1975
10.0	1931	1926	1933	1931	1934	1933	1933	1931	1931
15.0	1832	1832	1826	1830	1828	1835	1835	1842	1842
20.0	1648	1605	1638	1607	1636	1607	1655	1603	1673
25.0	1337	1348	1332	1345	1336	1362	1364	1394	1388
30.0	917	932	917	944	940	978	978	1012	997
35.0	485	498	488	518	520	556	552	575	555
40.0	242	252	245	261	258	278	273	289	276
45.0	153	150	154	150	158	167	165	172	167
50.0	101	108	100	108	102	113	107	117	110
55.0	61.7	68.0	61.1	68.5	62.5	70.0	65.8	73.2	68.4
60.0	37.4	41.2	36.8	41.4	37.9	43.2	39.8	45.1	41.4
65.0	25.4	28.4	25.1	28.4	25.8	29.8	27.2	30.6	27.3
70.0	16.3	19.2	16.6	19.5	17.1	20.0	17.6	20.4	17.8
75.0	13.6	15.8	13.9	16.1	14.2	16.2	14.2	16.1	14.0
80.0	12.4	14.3	12.6	14.5	12.8	14.7	12.8	14.6	12.7
85.0	10.4	12.1	10.6	12.4	10.8	12.4	10.8	12.4	10.6
90.0	8.89	9.79	8.96	9.85	8.89	9.79	8.76	9.59	8.57

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: