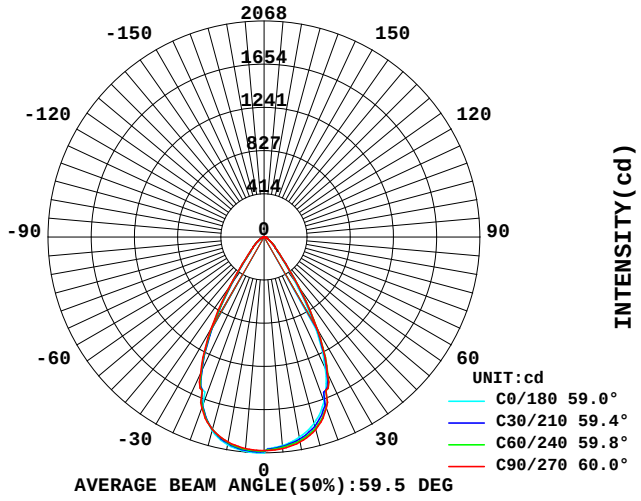
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5844T-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-6K	DIMENSION:	SERIAL No.:2013051602

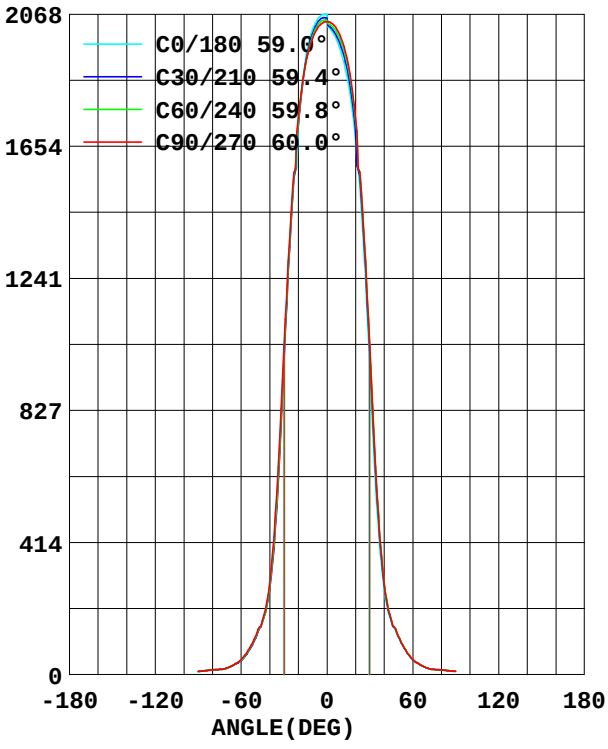
DATA OF LAMP		Imax(cd)	2068	S/MH(C0/180)	0.87
MODEL	HV5844T-6K	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.88
NOMINAL POWER(W)	22	TOTAL FLUX(lm)	1968.7	Voltage(V)	229.3
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	88.2	Current(A)	0.110
NOMINAL FLUX(lm)	1968.7	h up(%)	0.0	Power(W)	22.33
LAMPS QUANTITY	1	h down(%)	100.0	Power Factor(PF)	0.881
TEST VOLTAGE(V)	229.4	Effictive Flux(lm)	1756.4	EEI	0.173

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):59.5 DEG

LUMINOUS INTENSITY DISTRIBUTION



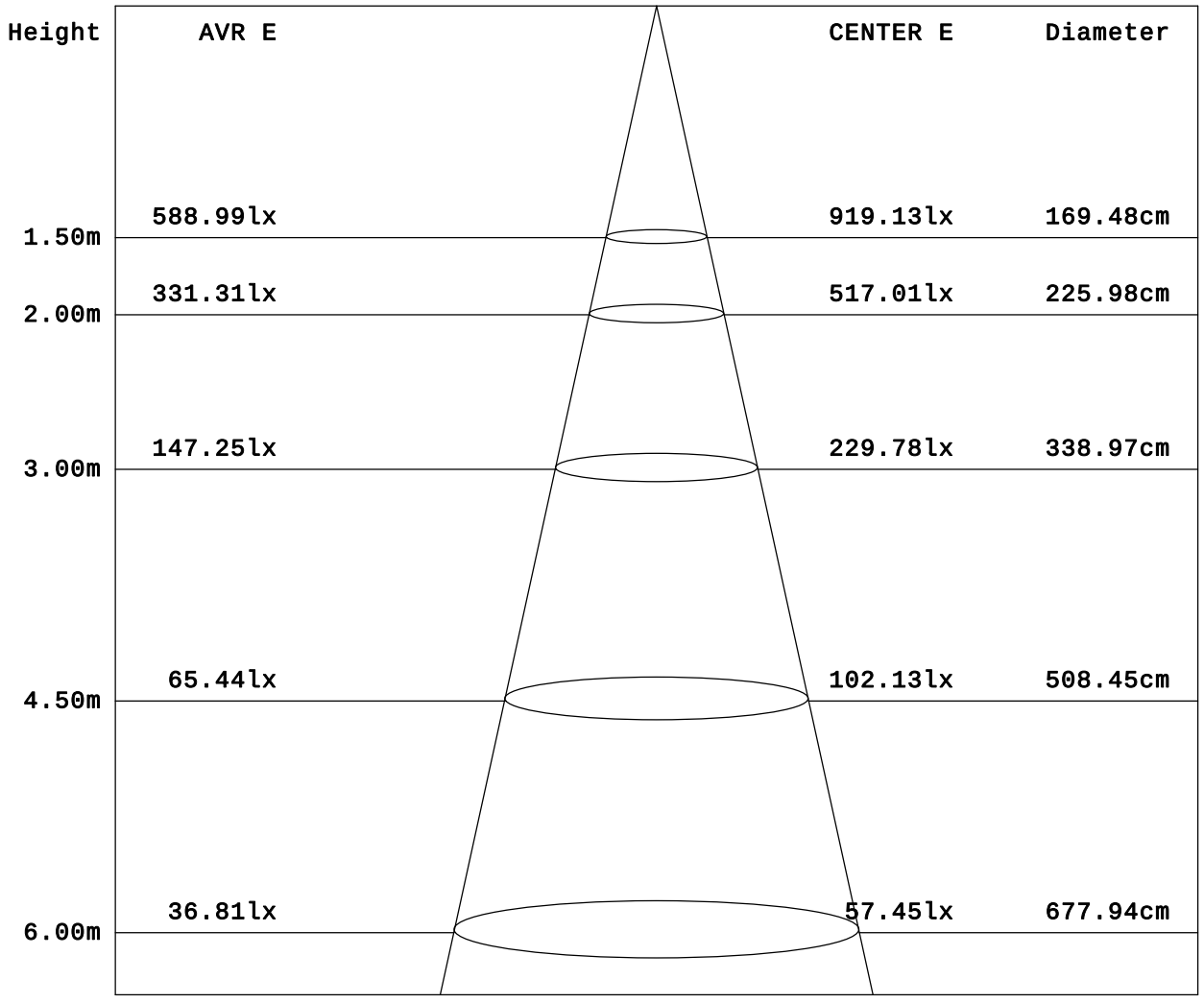
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-6K	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-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-6K	DIMENSION:	SERIAL No.:2013051602

g	C0	C45	C90	C135	C180	C225	C270	C315	g	zone	total
5.0	2060	2044	2033	2016	2005	2016	2033	2044	0- 5	48.72	48.72
10.0	2019	1998	1992	1970	1946	1970	1992	1998	5- 10	143.7	192.4
15.0	1925	1906	1910	1886	1851	1886	1910	1906	10- 15	230.8	423.3
20.0	1722	1718	1745	1721	1682	1721	1745	1718	15- 20	298.8	722.2
25.0	1411	1403	1441	1426	1386	1426	1441	1403	20- 25	329.8	1052
30.0	992.6	966.2	1026	1002	959.8	1002	1026	966.2	25- 30	305.8	1358
35.0	548.4	509.1	572.9	555.0	521.7	555.0	572.9	509.1	30- 35	221.4	1579
40.0	274.6	255.1	284.4	274.4	265.4	274.4	284.4	255.1	35- 40	130.4	1710
45.0	168.8	160.8	172.0	168.1	165.0	168.1	172.0	160.8	40- 45	78.75	1789
50.0	113.7	106.3	119.4	112.8	118.2	112.8	119.4	106.3	45- 50	56.02	1845
55.0	71.80	65.27	76.47	70.33	77.11	70.33	76.47	65.27	50- 55	39.73	1884
60.0	43.32	39.48	46.59	42.94	46.46	42.94	46.59	39.48	55- 60	26.01	1910
65.0	29.63	26.68	31.04	28.09	30.84	28.09	31.04	26.68	60- 65	17.33	1928
70.0	20.03	17.21	20.60	17.85	20.41	17.85	20.60	17.21	65- 70	12.05	1940
75.0	16.32	14.20	16.19	14.08	15.80	14.08	16.19	14.20	70- 75	8.591	1948
80.0	14.65	12.86	14.65	12.79	14.40	12.79	14.65	12.86	75- 80	7.752	1956
85.0	12.35	10.81	12.54	10.87	12.35	10.87	12.54	10.81	80- 85	6.920	1963
90.0	9.792	9.023	10.04	9.087	9.920	9.087	10.04	9.023	85- 90	5.687	1969
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:

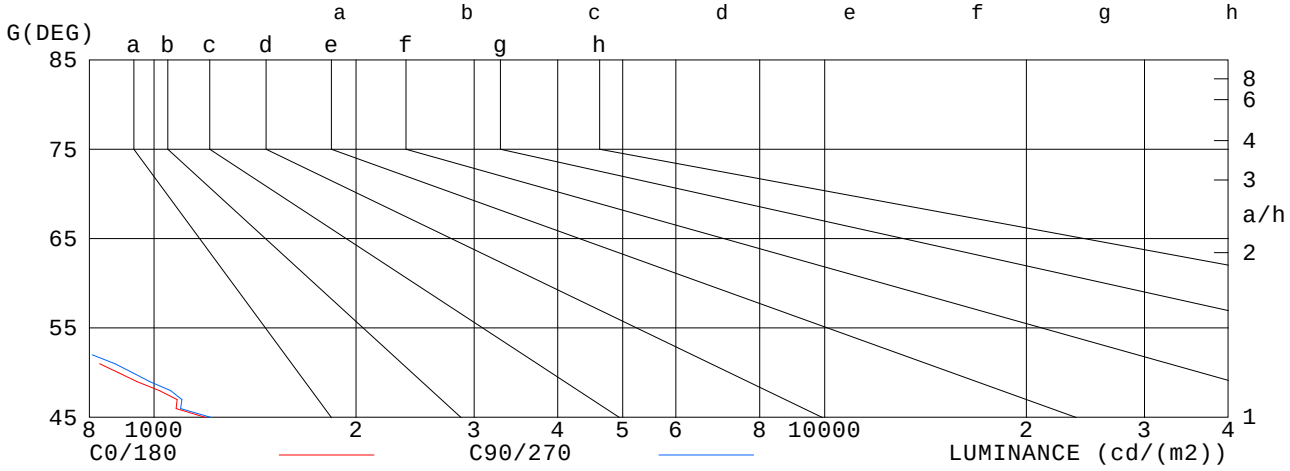
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: Havit Lighting	**Address:**	
NAME: HV5844T-6K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5844T-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	709	720
80	422	422
75	315	313
70	293	301
65	351	367
60	433	466
55	626	667
50	885	929
45	1194	1216

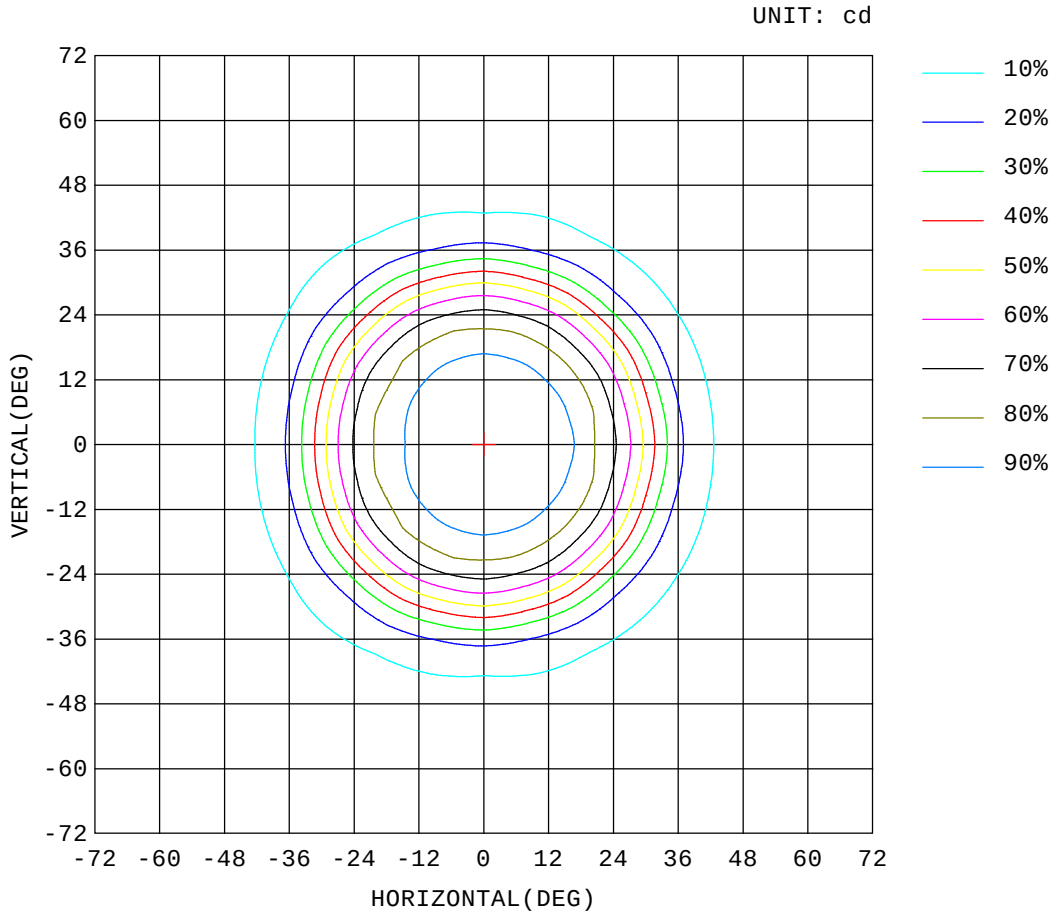
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-6K	DIMENSION:	SERIAL No.:2013051602



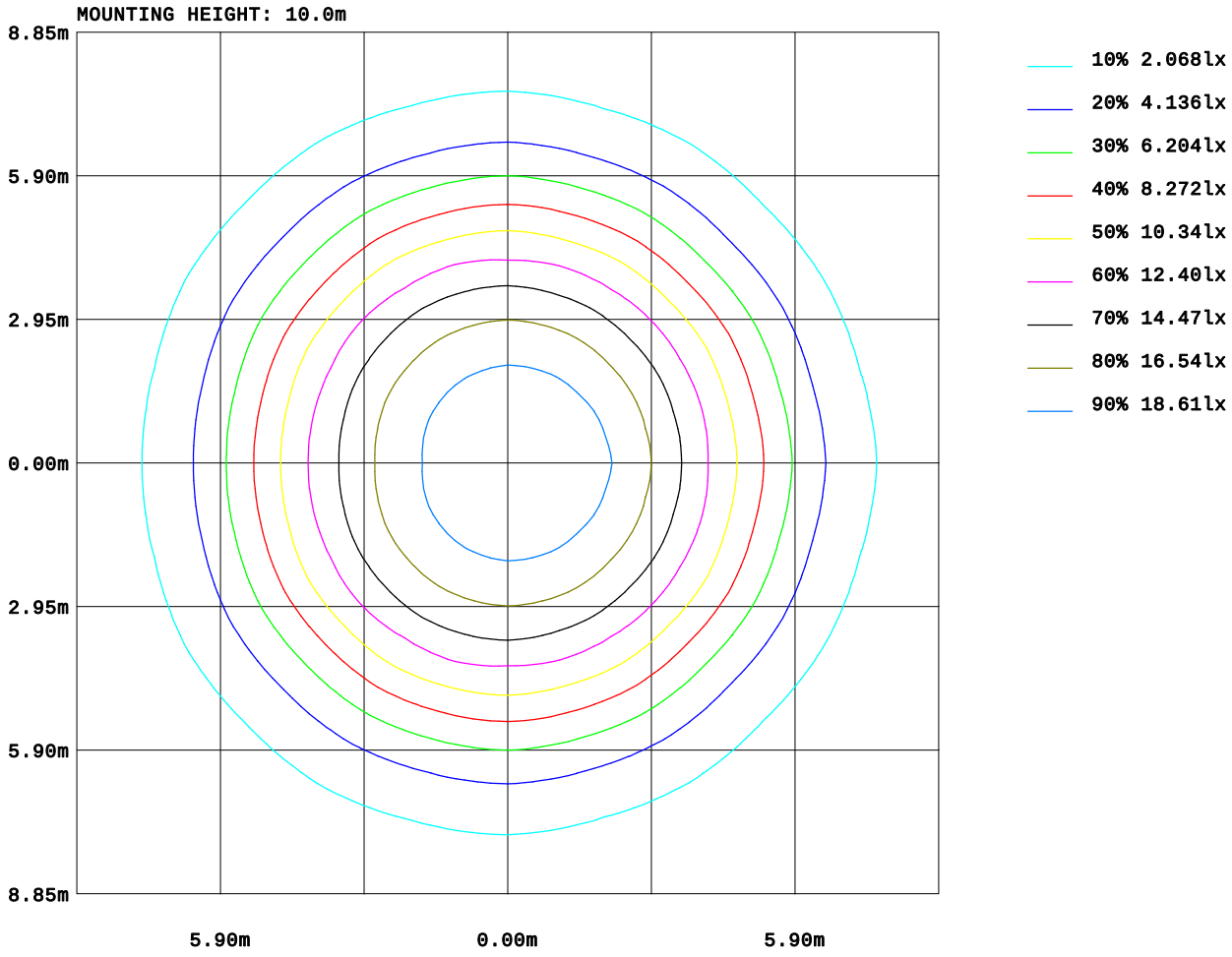
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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: HV5844T-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-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: HV5844T-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-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	0.09	0.14	0.18	0.20	0.26	0.34	0.38	0.41	0.46	0.46	0.40	0.37	0.33	0.26	0.21	0.18	0.14	0.09	4.93	0.00
64	0.10	0.15	0.21	0.29	0.42	0.59	0.71	0.79	0.91	0.90	0.78	0.69	0.57	0.41	0.28	0.21	0.15	0.10	8.26	0.00
56	0.10	0.17	0.30	0.46	0.70	1.08	1.43	1.67	1.91	1.89	1.64	1.37	1.01	0.65	0.43	0.29	0.17	0.10	15.4	0.00
48	0.11	0.21	0.42	0.73	1.21	1.92	2.65	3.28	3.70	3.67	3.22	2.57	1.83	1.13	0.67	0.39	0.20	0.11	28.0	5.49
40	0.12	0.26	0.56	1.14	1.97	3.18	5.22	7.75	9.69	9.54	7.40	4.91	3.00	1.87	1.06	0.51	0.25	0.12	58.5	45.3
32	0.13	0.31	0.73	1.59	2.91	5.96	12.0	18.7	22.4	22.2	18.2	11.3	5.51	2.78	1.49	0.67	0.29	0.13	128	118
24	0.15	0.37	0.91	1.96	4.36	11.2	21.4	29.3	33.0	32.9	29.0	20.9	10.6	4.16	1.89	0.84	0.34	0.15	204	196
	0.17	0.43	1.08	2.32	6.08	16.3	27.7	34.6	37.6	37.8	34.9	27.7	16.1	5.93	2.30	1.01	0.40	0.16	253	246
	0.18	0.47	1.19	2.57	7.35	19.0	30.2	36.3	38.9	39.5	37.3	30.6	19.3	7.52	2.60	1.13	0.44	0.17	275	268
	0.18	0.47	1.19	2.57	7.35	19.0	30.2	36.3	38.9	39.5	37.3	30.6	19.3	7.52	2.60	1.13	0.44	0.17	275	268
	0.17	0.43	1.08	2.32	6.08	16.3	27.7	34.6	37.6	37.8	34.9	27.7	16.1	5.93	2.30	1.01	0.40	0.16	253	246
	0.15	0.37	0.91	1.96	4.36	11.2	21.4	29.3	33.0	32.9	29.0	20.9	10.6	4.16	1.89	0.84	0.34	0.15	204	196
-24	0.13	0.31	0.73	1.59	2.91	5.96	12.0	18.7	22.4	22.2	18.2	11.3	5.51	2.78	1.49	0.67	0.29	0.13	128	118
-32	0.12	0.26	0.56	1.14	1.97	3.18	5.22	7.75	9.69	9.54	7.40	4.91	3.00	1.87	1.06	0.51	0.25	0.12	58.5	45.3
-40	0.11	0.21	0.42	0.73	1.21	1.92	2.65	3.28	3.70	3.67	3.22	2.57	1.83	1.13	0.67	0.39	0.20	0.11	28.0	5.49
-48	0.10	0.17	0.30	0.46	0.70	1.08	1.43	1.67	1.91	1.89	1.64	1.37	1.01	0.65	0.43	0.29	0.17	0.10	15.4	0.00
-56	0.10	0.15	0.21	0.29	0.42	0.59	0.71	0.79	0.91	0.90	0.78	0.69	0.57	0.41	0.28	0.21	0.15	0.10	8.26	0.00
-64	0.09	0.14	0.18	0.20	0.26	0.34	0.38	0.41	0.46	0.46	0.40	0.37	0.33	0.26	0.21	0.18	0.14	0.09	4.93	0.00
-72																				
F t	2.29	5.01	11.1	22.5	50.6	120	204	266	298	298	266	201	117	49.4	21.9	10.4	4.75	2.28	1969	
F a	0.00	0.00	0.00	2.54	36.3	108	193	256	287	288	256	190	104	35.2	2.85	0.00	0.00	0.00		1756

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:

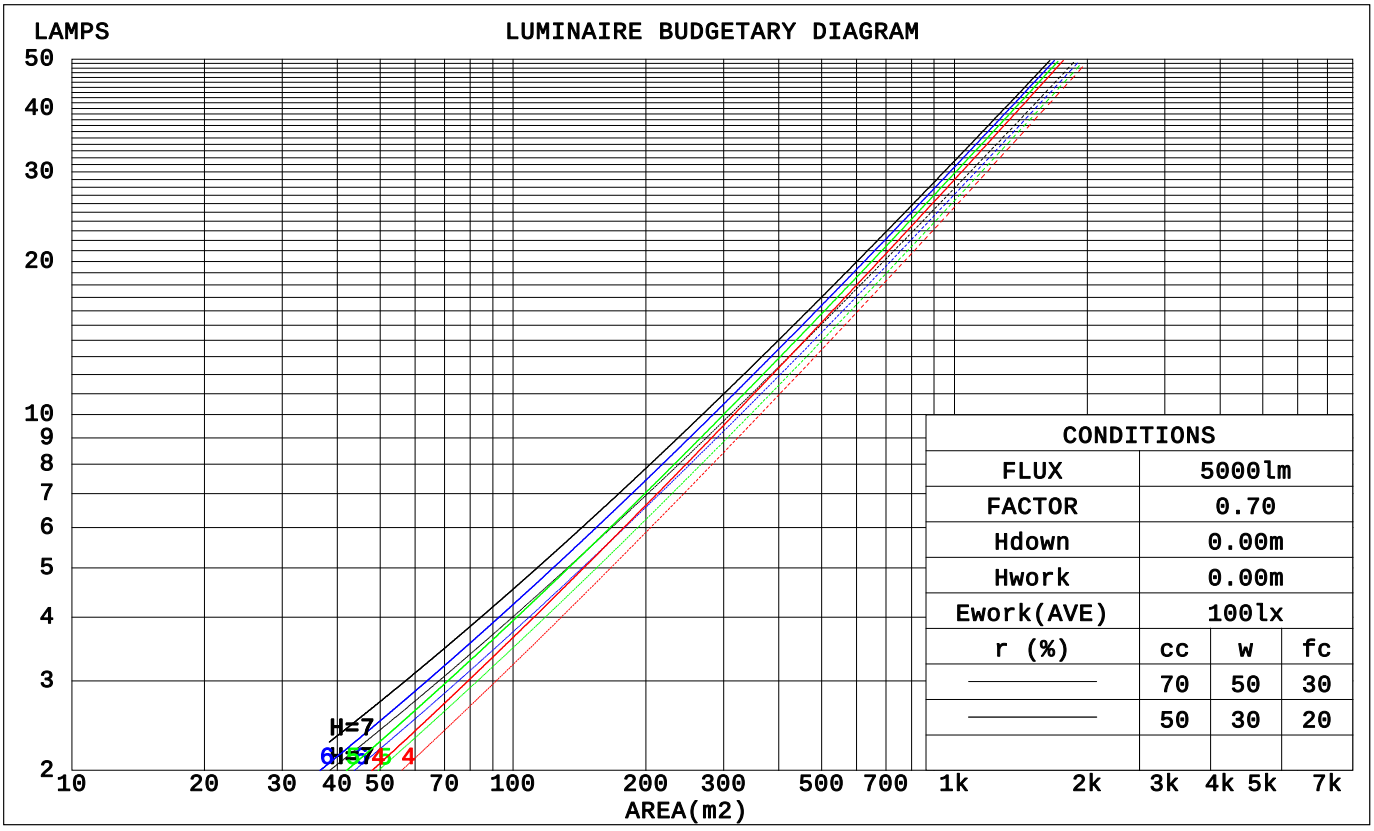
IES Flood Report
Photometric Filename:HV5844T-6K.IES

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5844T-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-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	.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	.78
4.0	.88	.82	.77	.87	.81	.77	.84	.80	.76	.82	.78	.75	.80	.77	.74	.73
5.0	.82	.76	.71	.81	.75	.71	.79	.74	.70	.77	.73	.70	.76	.72	.69	.67
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	.60	.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	.61	.57	.53	.61	.56	.53	.52
10.0	.60	.54	.50	.60	.54	.50	.59	.54	.50	.58	.53	.50	.58	.53	.50	.49



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-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-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	.195	.111	.035	.188	.107	.034	.176	.101	.032	.164	.095	.030	.153	.089	.029	
2.0	.185	.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	.026	.144	.080	.025	
4.0	.165	.086	.025	.161	.084	.025	.153	.081	.024	.145	.078	.024	.139	.075	.023	
5.0	.156	.080	.023	.153	.078	.023	.146	.076	.022	.139	.073	.022	.133	.071	.021	
6.0	.149	.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	.019	.132	.065	.018	.127	.064	.018	.123	.062	.018	.119	.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	.089	.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-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-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	8.7	9.7	8.9	9.8	10.0	8.9	9.9	9.1	10.1	10.2
3H	8.7	9.7	9.0	9.9	10.1	9.0	9.9	9.2	10.1	10.3
4H	8.8	9.7	9.1	9.9	10.1	9.0	9.9	9.3	10.1	10.3
6H	9.0	9.8	9.3	10.0	10.3	9.1	10.0	9.5	10.2	10.5
8H	9.1	9.9	9.4	10.2	10.4	9.3	10.1	9.6	10.3	10.6
12H	9.3	10.1	9.6	10.3	10.6	9.5	10.2	9.8	10.5	10.8
4H 2H	8.6	9.5	8.9	9.7	9.9	8.8	9.7	9.1	9.9	10.1
3H	8.7	9.5	9.1	9.8	10.1	8.9	9.7	9.3	10.0	10.3
4H	8.9	9.6	9.2	9.9	10.2	9.1	9.8	9.4	10.1	10.4
6H	9.2	9.8	9.6	10.1	10.5	9.3	10.0	9.7	10.3	10.6
8H	9.4	10.0	9.8	10.3	10.7	9.6	10.1	10.0	10.5	10.9
12H	9.7	10.3	10.2	10.6	11.0	9.9	10.4	10.3	10.8	11.2
8H 4H	8.9	9.5	9.3	9.8	10.2	9.1	9.6	9.5	10.0	10.4
6H	9.4	9.8	9.8	10.2	10.6	9.5	10.0	9.9	10.4	10.8
8H	9.7	10.1	10.2	10.6	11.0	9.9	10.3	10.3	10.7	11.1
12H	10.2	10.6	10.7	11.0	11.5	10.3	10.7	10.8	11.1	11.6
12H 4H	8.9	9.4	9.3	9.8	10.2	9.1	9.6	9.5	10.0	10.4
6H	9.4	9.8	9.9	10.2	10.7	9.6	10.0	10.0	10.4	10.8
8H	9.9	10.2	10.3	10.6	11.1	10.0	10.3	10.4	10.8	11.2
Variations with the observer position at spacings:										
S = 1.0H	+ 1.6 / - 1.5					+ 1.7 / - 1.5				
1.5H	+ 2.6 / - 1.2					+ 2.7 / - 1.3				
2.0H	+ 2.0 / - 1.0					+ 2.0 / - 1.1				

CIE Pub.117 Corrected 1969 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.4)

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-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-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	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	

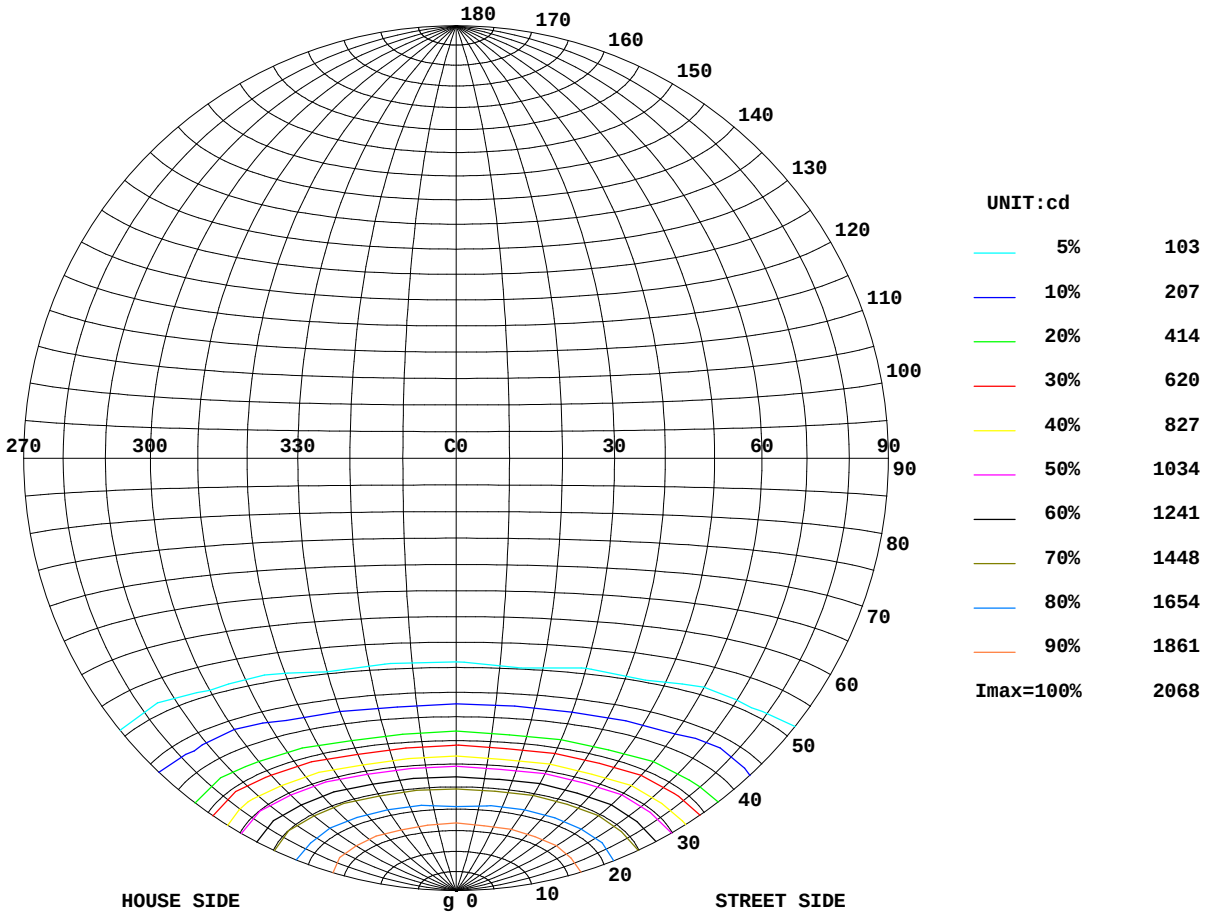
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-6K	DIMENSION:	SERIAL No.:2013051602



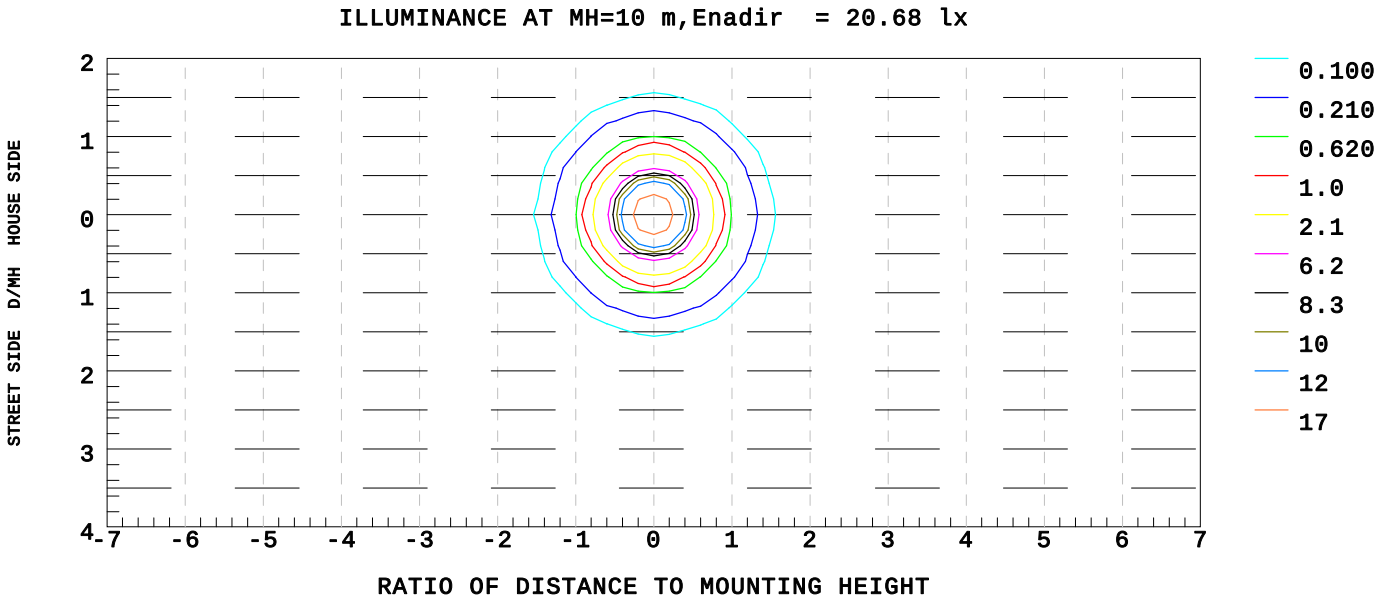
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

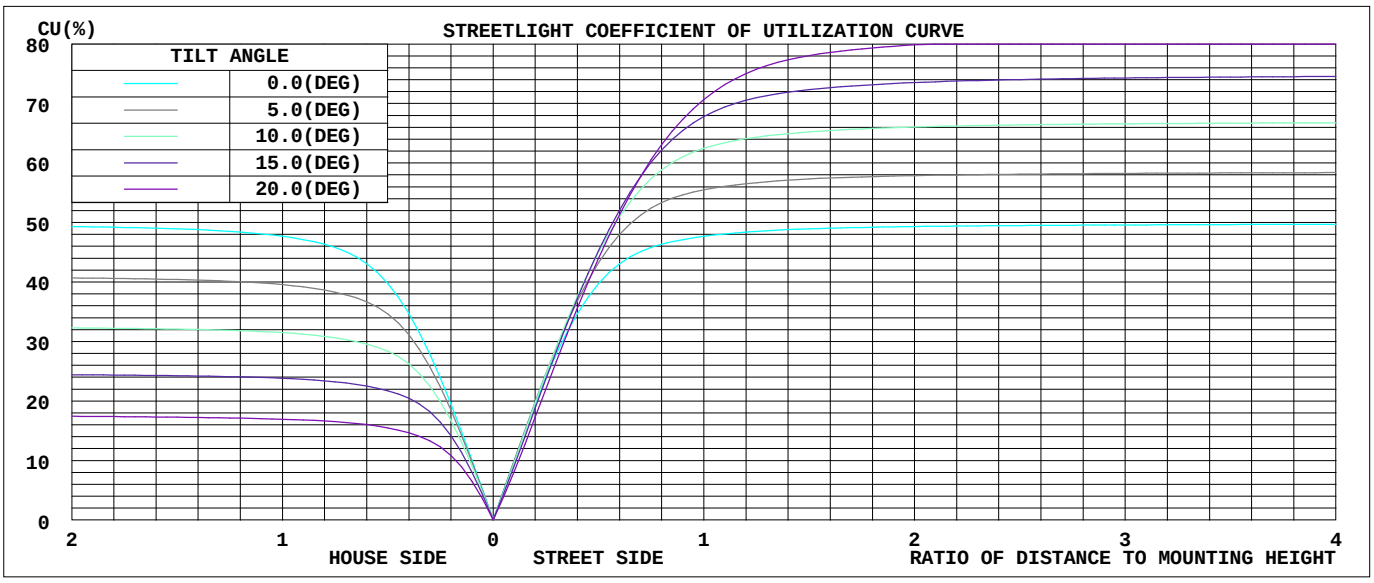
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5844T-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-6K	DIMENSION:	SERIAL No.:2013051602





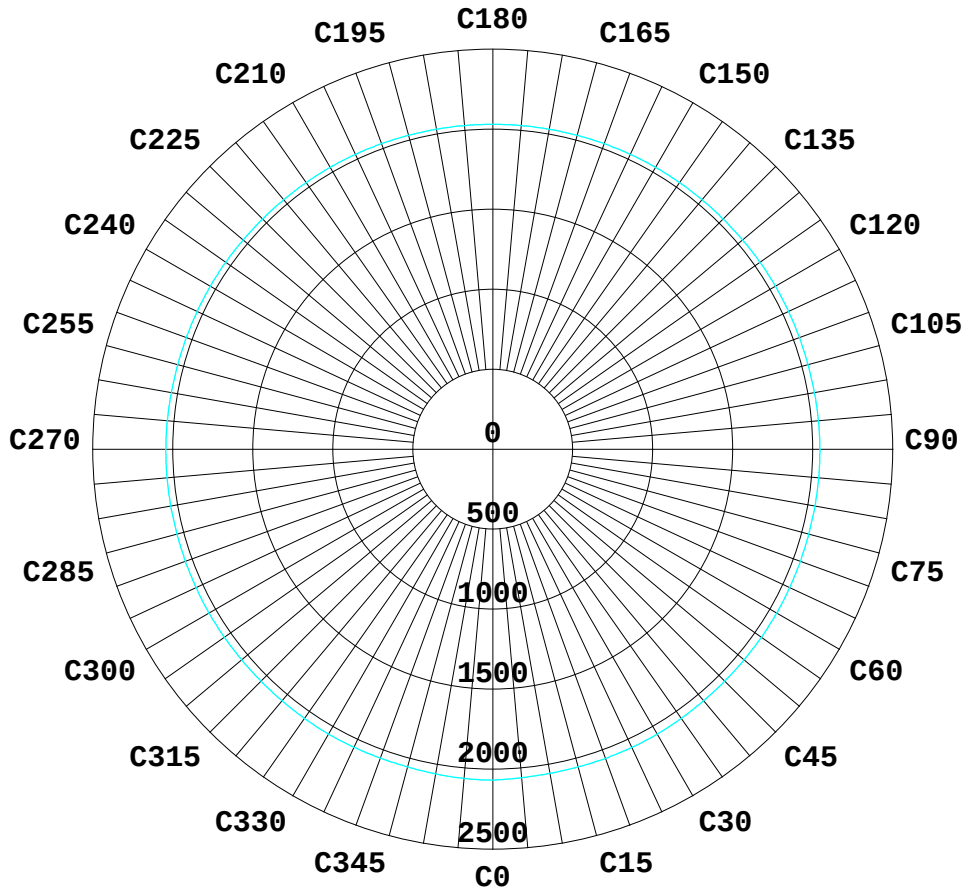
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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: HV5844T-6K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-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: HV5844T-6K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5844T-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	2068	2056	2056	2050	2049	2044	2044	2040	2040	2036	2035	2032	2031	2032	2035
5.0	2060	2052	2051	2044	2042	2036	2033	2026	2023	2016	2013	2007	2005	2007	2013
10.0	2019	2008	2006	1998	1998	1993	1992	1984	1980	1970	1965	1954	1946	1954	1965
15.0	1925	1952	1912	1906	1909	1907	1910	1903	1898	1886	1878	1861	1851	1861	1878
20.0	1722	1711	1722	1718	1730	1731	1745	1740	1739	1721	1712	1689	1682	1689	1712
25.0	1411	1394	1413	1403	1424	1418	1441	1433	1446	1426	1425	1392	1386	1392	1425
30.0	993	964	982	966	999	994	1026	1012	1029	1002	1007	967	960	967	1007
35.0	548	517	524	509	540	541	573	562	577	555	562	529	522	529	562
40.0	275	258	265	255	272	267	284	276	288	274	281	263	265	263	281
45.0	169	162	166	161	167	165	172	169	174	168	171	164	165	164	171
50.0	114	105	113	106	116	110	119	112	121	113	120	112	118	112	120
55.0	71.8	64.3	71.5	65.2	72.6	68.2	76.4	69.8	77.6	70.3	77.7	70.2	77.1	70.2	77.7
60.0	43.3	38.6	43.0	39.4	44.7	41.3	46.5	42.4	47.3	42.9	47.2	42.4	46.4	42.4	47.2
65.0	29.6	26.1	29.3	26.6	30.6	27.6	31.0	27.7	31.2	28.0	31.5	28.0	30.8	28.0	31.5
70.0	20.0	17.1	19.9	17.2	19.9	17.4	20.6	17.7	20.8	17.8	20.7	17.6	20.4	17.6	20.7
75.0	16.3	14.2	16.2	14.2	16.2	14.2	16.1	14.1	16.1	14.0	16.0	13.9	15.8	13.9	16.0
80.0	14.6	12.8	14.6	12.8	14.7	12.8	14.6	12.8	14.6	12.7	14.5	12.6	14.4	12.6	14.5
85.0	12.3	10.6	12.4	10.8	12.4	10.8	12.5	10.8	12.5	10.8	12.4	10.7	12.3	10.7	12.4
90.0	9.79	8.83	9.85	9.02	9.98	9.08	10.0	9.08	10.0	9.08	10.0	9.08	9.92	9.08	10.0

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-6K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5844T-6K	**DIMENSION:**	**SERIAL No.:2013051602**

UNIT: cd

C(DEG) / g (DEG)	225	240	255	270	285	300	315	330	345
0.0	2036	2040	2040	2044	2044	2049	2050	2056	2056
5.0	2016	2023	2026	2033	2036	2042	2044	2051	2052
10.0	1970	1980	1984	1992	1993	1998	1998	2006	2008
15.0	1886	1898	1903	1910	1907	1909	1906	1912	1952
20.0	1721	1739	1740	1745	1731	1730	1718	1722	1711
25.0	1426	1446	1433	1441	1418	1424	1403	1413	1394
30.0	1002	1029	1012	1026	994	999	966	982	964
35.0	555	577	562	573	541	540	509	524	517
40.0	274	288	276	284	267	272	255	265	258
45.0	168	174	169	172	165	167	161	166	162
50.0	113	121	112	119	110	116	106	113	105
55.0	70.3	77.6	69.8	76.4	68.2	72.6	65.2	71.5	64.3
60.0	42.9	47.3	42.4	46.5	41.3	44.7	39.4	43.0	38.6
65.0	28.0	31.2	27.7	31.0	27.6	30.6	26.6	29.3	26.1
70.0	17.8	20.8	17.7	20.6	17.4	19.9	17.2	19.9	17.1
75.0	14.0	16.1	14.1	16.1	14.2	16.2	14.2	16.2	14.2
80.0	12.7	14.6	12.8	14.6	12.8	14.7	12.8	14.6	12.8
85.0	10.8	12.5	10.8	12.5	10.8	12.4	10.8	12.4	10.6
90.0	9.08	10.0	9.08	10.0	9.08	9.98	9.02	9.85	8.83

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: