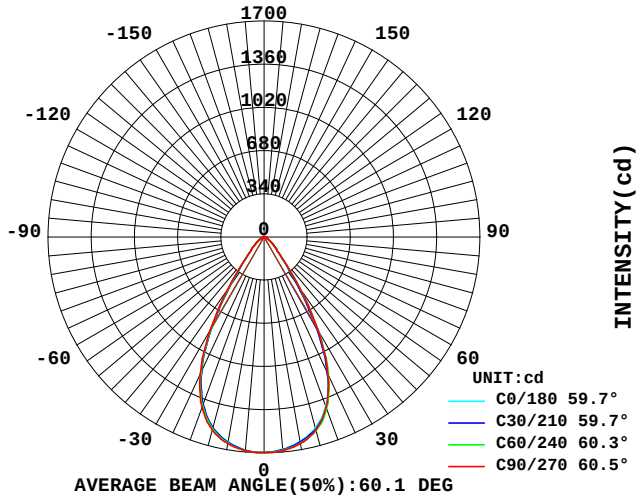
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5844T-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-3K	DIMENSION:	SERIAL No.:2013051602

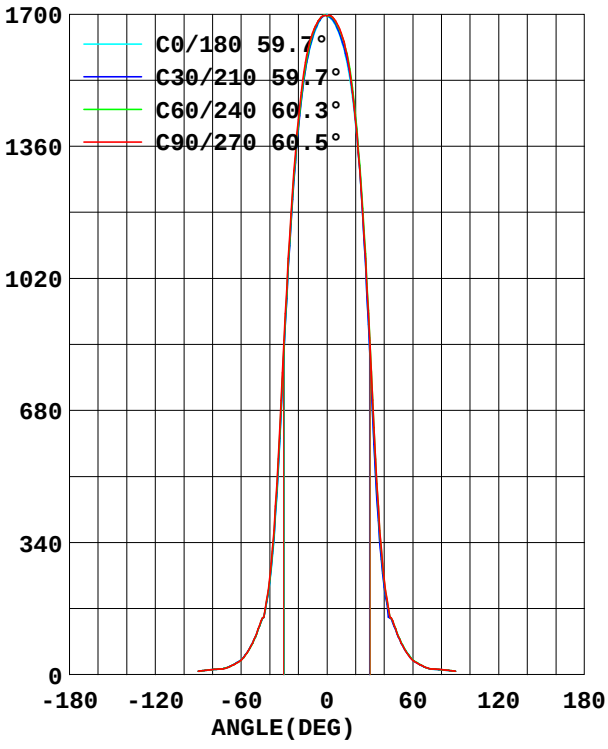
DATA OF LAMP		Imax(cd)	1700	S/MH(C0/180)	0.88
MODEL	HV5844T-3K	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.89
NOMINAL POWER(W)	22	TOTAL FLUX(lm)	1638.4	Voltage(V)	229.3
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	74.3	Current(A)	0.109
NOMINAL FLUX(lm)	1638.5	h up(%)	0.0	Power(W)	22.05
LAMPS QUANTITY	1	h down(%)	100.0	Power Factor(PF)	0.880
TEST VOLTAGE(V)	229.3	Effictive Flux(lm)	1462.3	EEI	0.205

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):60.1 DEG

LUMINOUS INTENSITY DISTRIBUTION



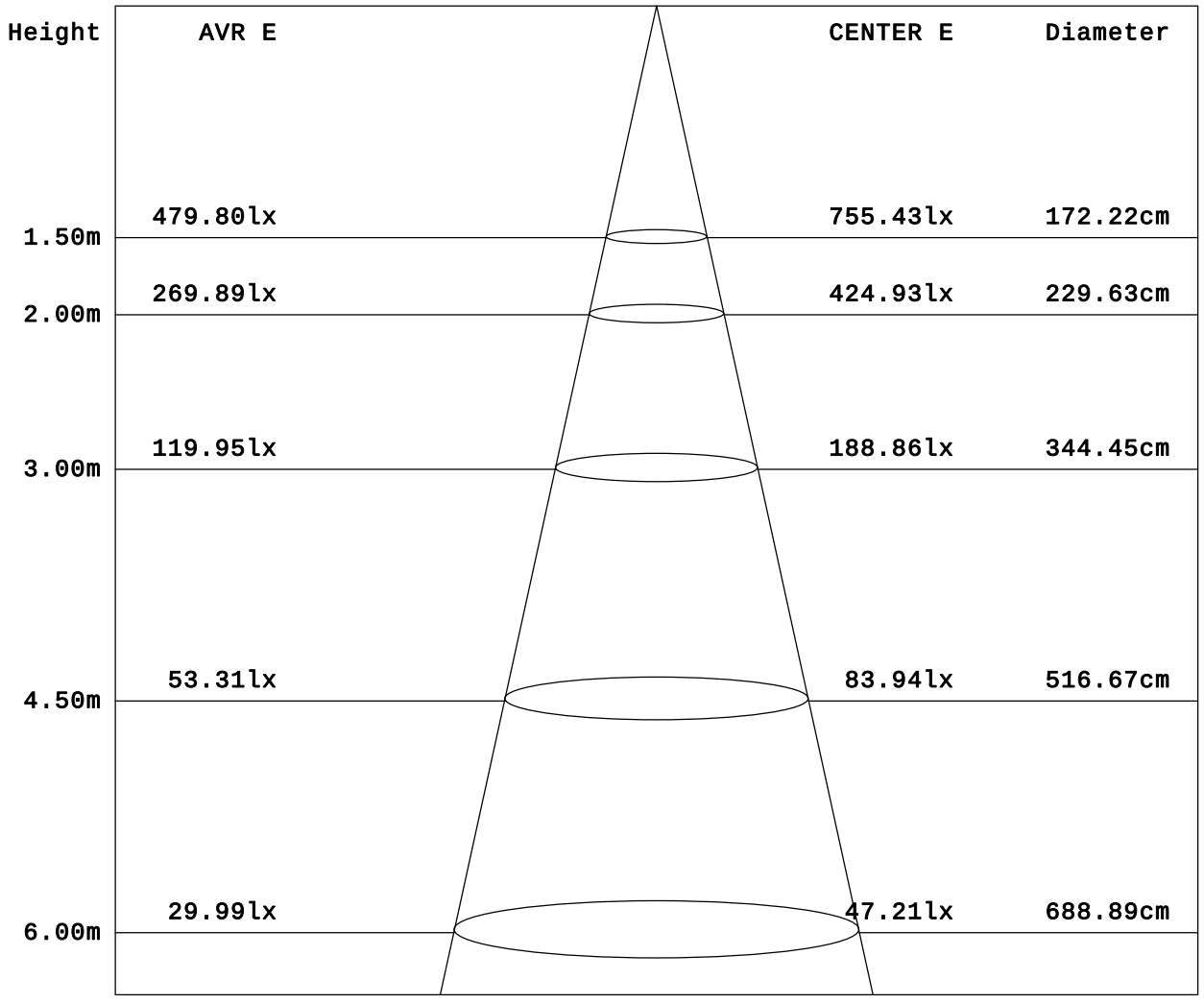
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-3K	DIMENSION:	SERIAL No.:2013051602



Angle:59.7deg

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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-3K	DIMENSION:	SERIAL No.:2013051602

g	C0	C45	C90	C135	C180	C225	C270	C315	g	zone	total
5.0	1683	1685	1688	1681	1678	1681	1688	1685	0- 5	40.41	40.41
10.0	1636	1640	1650	1637	1634	1637	1650	1640	5- 10	118.9	159.3
15.0	1558	1554	1576	1567	1558	1567	1576	1554	10- 15	190.3	349.6
20.0	1411	1400	1428	1421	1420	1421	1428	1400	15- 20	246.1	595.8
25.0	1167	1152	1186	1163	1179	1163	1186	1152	20- 25	272.8	868.7
30.0	830.7	818.5	860.6	810.0	831.4	810.0	860.6	818.5	25- 30	254.0	1123
35.0	458.5	456.3	491.3	435.6	459.4	435.6	491.3	456.3	30- 35	187.2	1310
40.0	232.1	237.3	245.6	236.6	231.4	236.6	245.6	237.3	35- 40	111.3	1421
45.0	146.1	137.6	145.9	134.5	145.9	134.5	145.9	137.6	40- 45	66.94	1488
50.0	98.11	89.21	98.04	88.63	98.87	88.63	98.04	89.21	45- 50	47.08	1535
55.0	61.75	54.65	60.67	54.27	62.33	54.27	60.67	54.65	50- 55	32.58	1568
60.0	38.39	33.15	36.92	32.70	38.65	32.70	36.92	33.15	55- 60	21.17	1589
65.0	25.98	22.78	25.40	22.08	25.72	22.08	25.40	22.78	60- 65	14.30	1603
70.0	17.66	14.84	17.34	14.20	17.15	14.20	17.34	14.84	65- 70	10.05	1614
75.0	14.01	12.22	14.20	11.90	13.63	11.90	14.20	12.22	70- 75	7.345	1621
80.0	12.67	11.07	12.92	10.81	12.41	10.81	12.92	11.07	75- 80	6.688	1628
85.0	10.81	9.344	11.07	9.151	10.68	9.151	11.07	9.344	80- 85	5.983	1634
90.0	8.448	7.680	8.832	8.000	8.768	8.000	8.832	7.680	85- 90	4.939	1638
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:

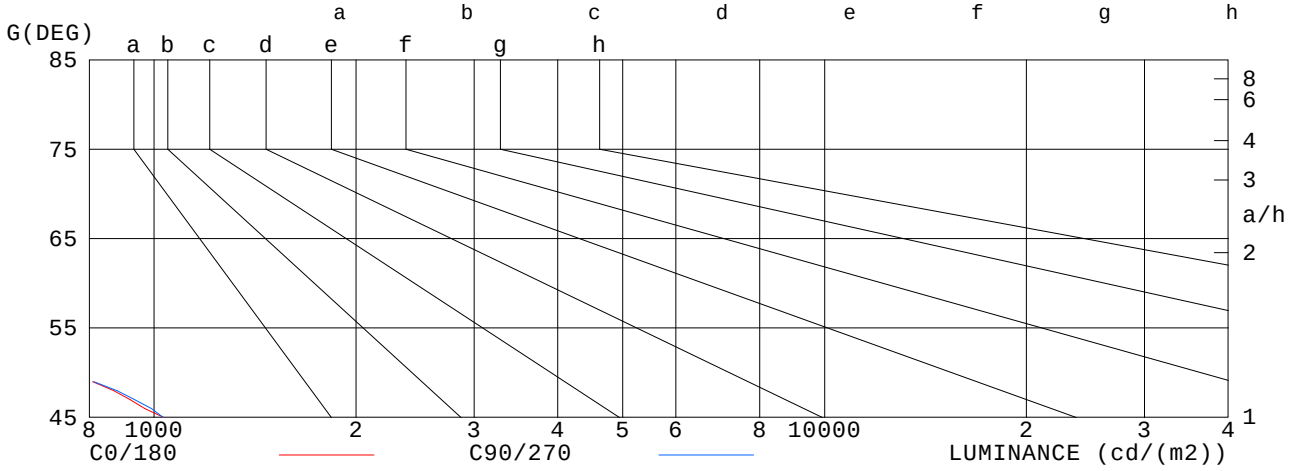
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: Havit Lighting	**Address:**	
NAME: HV5844T-3K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5844T-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
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	620	635
80	365	372
75	271	274
70	258	254
65	307	301
60	384	369
55	538	529
50	763	763
45	1034	1032

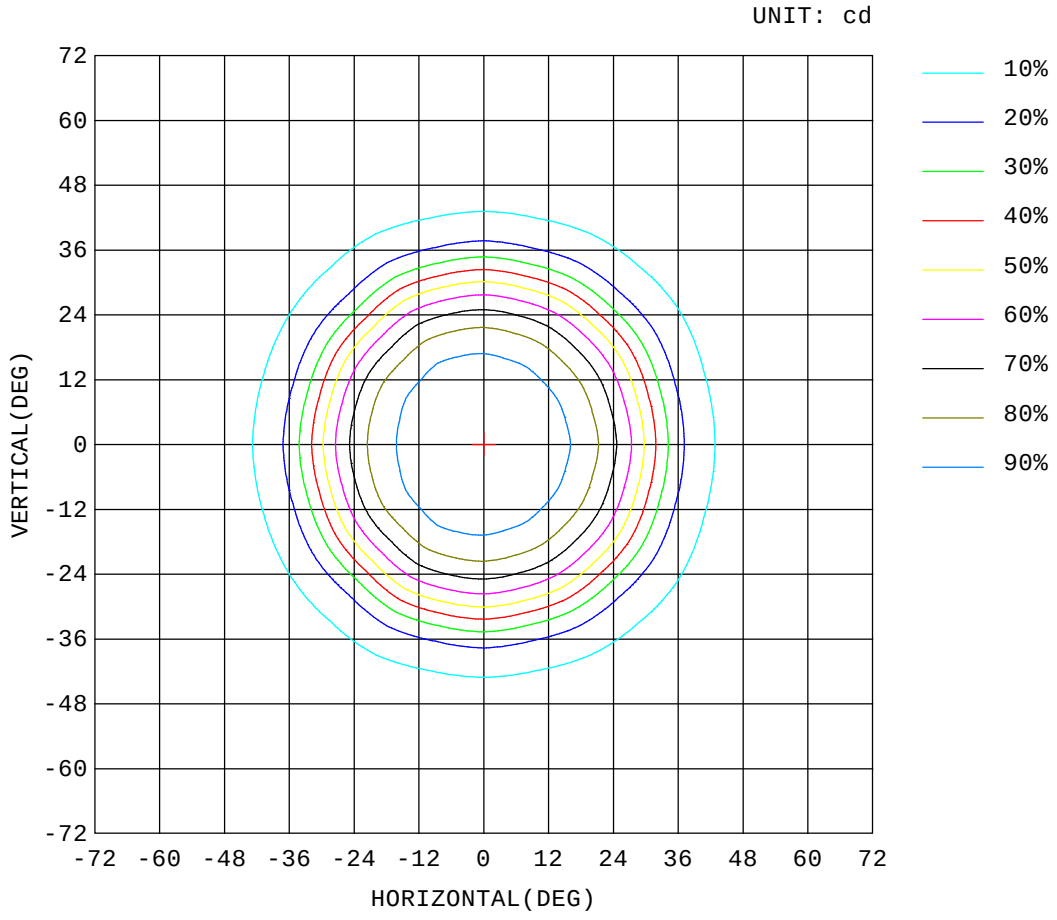
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-3K	DIMENSION:	SERIAL No.:2013051602



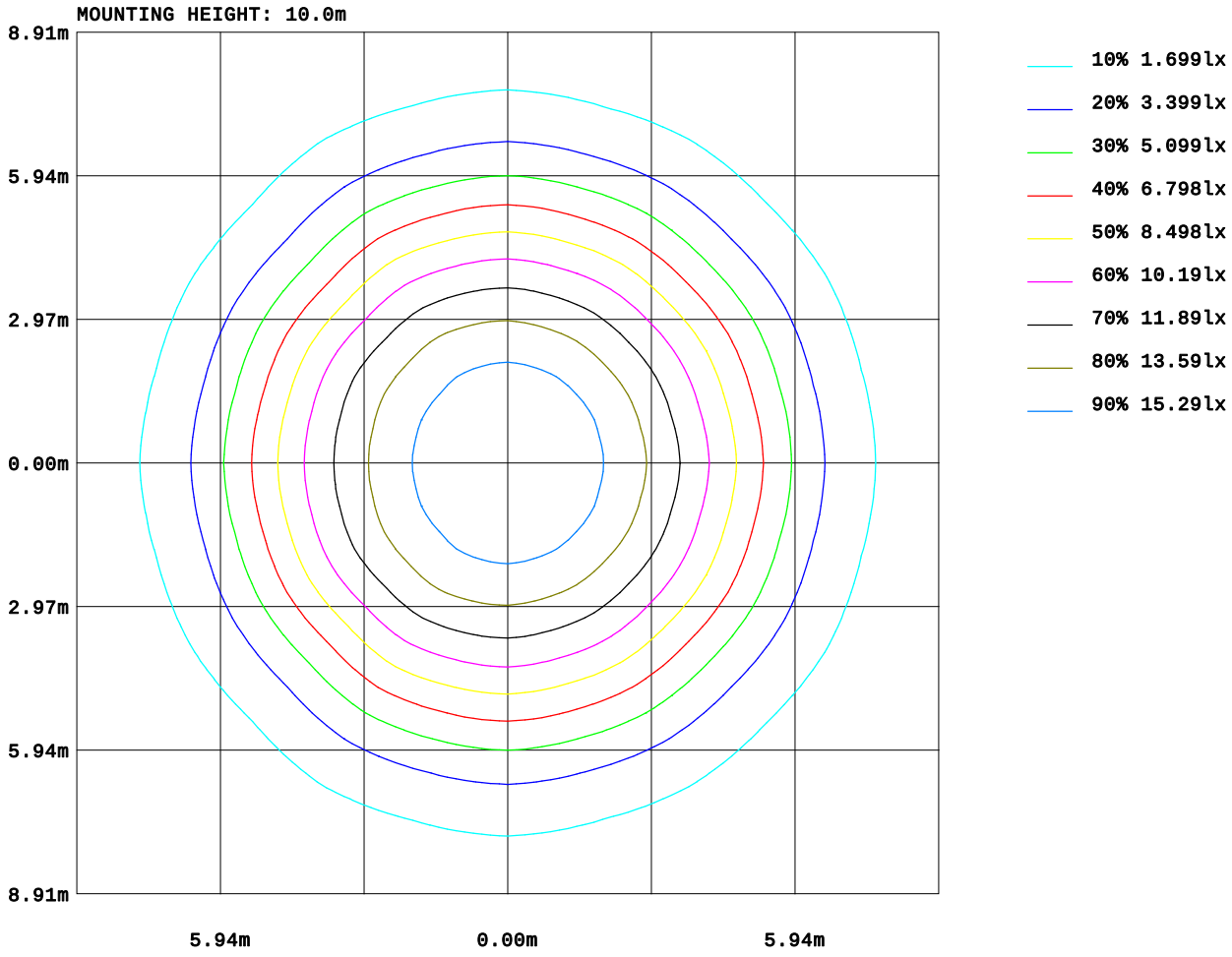
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-3K	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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-3K	DIMENSION:	SERIAL No.:2013051602

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-72	-64	-56	-48	-40	-32	-24	-16	16	24	32	40	48	56	64	72	F t	F a
72	0.08	0.12	0.15	0.17	0.22	0.29	0.31	0.34	0.39	0.39	0.34	0.32	0.29	0.23	0.18	0.16	0.12	0.08	4.16	0.00
64	0.08	0.13	0.17	0.23	0.34	0.49	0.57	0.63	0.72	0.72	0.62	0.56	0.48	0.35	0.24	0.18	0.13	0.09	6.73	0.00
56	0.09	0.14	0.24	0.37	0.54	0.86	1.15	1.35	1.55	1.54	1.32	1.12	0.84	0.55	0.38	0.25	0.15	0.09	12.5	0.00
48	0.09	0.17	0.34	0.57	0.95	1.55	2.21	2.70	3.14	3.12	2.68	2.17	1.53	0.95	0.58	0.35	0.18	0.09	23.3	4.19
40	0.10	0.21	0.44	0.91	1.57	2.56	4.35	6.59	8.27	8.22	6.50	4.33	2.60	1.59	0.91	0.45	0.22	0.10	49.9	38.9
32	0.11	0.25	0.58	1.28	2.34	4.77	9.90	15.7	18.6	18.5	15.3	9.96	4.97	2.42	1.28	0.58	0.25	0.11	107	99.0
24	0.13	0.30	0.72	1.61	3.55	9.08	17.4	24.3	27.1	26.9	23.8	17.4	9.34	3.69	1.62	0.72	0.30	0.13	169	162
	0.14	0.35	0.88	1.93	5.11	13.5	23.1	28.8	31.2	31.1	28.4	22.7	13.6	5.23	1.96	0.87	0.35	0.14	210	204
	0.15	0.39	0.99	2.22	6.33	16.1	25.4	30.3	32.4	32.5	30.2	25.1	16.0	6.38	2.23	0.98	0.38	0.15	229	223
	0.15	0.39	0.99	2.22	6.33	16.1	25.4	30.3	32.4	32.5	30.2	25.1	16.0	6.38	2.23	0.98	0.38	0.15	229	223
	0.14	0.35	0.88	1.93	5.11	13.5	23.1	28.8	31.2	31.1	28.4	22.7	13.6	5.23	1.96	0.87	0.35	0.14	210	204
-24	0.13	0.30	0.72	1.61	3.55	9.08	17.4	24.3	27.1	26.9	23.8	17.4	9.34	3.69	1.62	0.72	0.30	0.13	169	162
-32	0.11	0.25	0.58	1.28	2.34	4.77	9.90	15.7	18.6	18.5	15.3	9.96	4.97	2.42	1.28	0.58	0.25	0.11	107	99.0
-40	0.10	0.21	0.44	0.91	1.57	2.56	4.35	6.59	8.27	8.22	6.50	4.33	2.60	1.59	0.91	0.45	0.22	0.10	49.9	38.9
-48	0.09	0.17	0.34	0.57	0.95	1.55	2.21	2.70	3.14	3.12	2.68	2.17	1.53	0.95	0.58	0.35	0.18	0.09	23.3	4.19
-56	0.09	0.14	0.24	0.37	0.54	0.86	1.15	1.35	1.55	1.54	1.32	1.12	0.84	0.55	0.38	0.25	0.15	0.09	12.5	0.00
-64	0.08	0.13	0.17	0.23	0.34	0.49	0.57	0.63	0.72	0.72	0.62	0.56	0.48	0.35	0.24	0.18	0.13	0.09	6.73	0.00
-72	0.08	0.12	0.15	0.17	0.22	0.29	0.31	0.34	0.39	0.39	0.34	0.32	0.29	0.23	0.18	0.16	0.12	0.08	4.16	0.00
F t	1.91	4.09	9.03	18.6	41.9	98.6	169	222	247	246	219	168	99.5	42.7	18.7	9.07	4.15	1.97	1638	
F a	0.00	0.00	0.00	2.51	30.0	88.3	160	213	239	238	210	158	89.4	31.1	2.77	0.00	0.00	0.00		1462

HORIZONTAL(DEG)

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-3K.IES

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

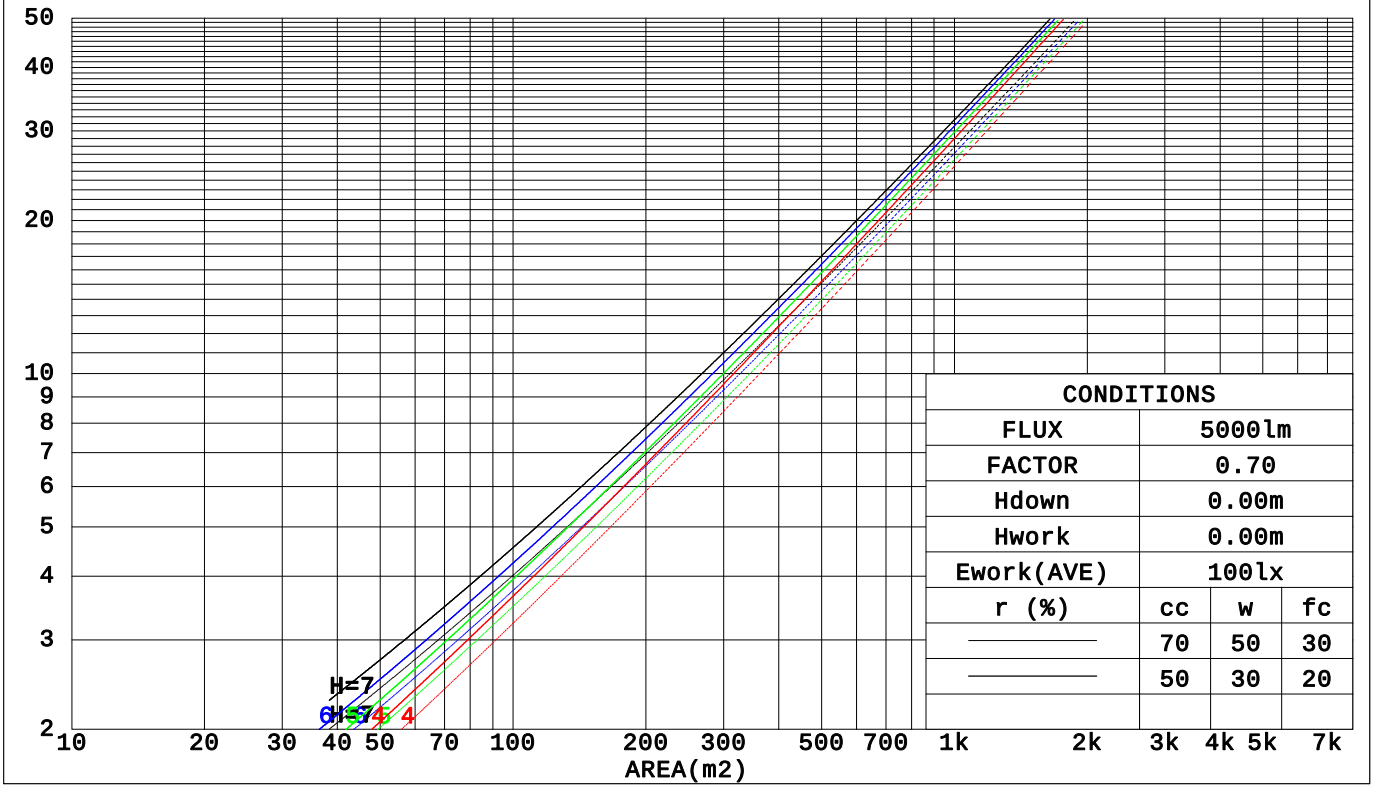
Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5844T-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-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			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	.92	.97	.93	.90	.94	.91	.88	.91	.89	.87	.85
3.0	.94	.89	.85	.93	.88	.84	.90	.86	.83	.88	.84	.81	.85	.82	.80	.78
4.0	.88	.82	.77	.86	.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	.71	.67	.64	.63
7.0	.72	.66	.61	.71	.65	.61	.70	.65	.61	.69	.64	.60	.67	.63	.60	.59
8.0	.68	.61	.57	.67	.61	.57	.66	.61	.57	.65	.60	.56	.64	.59	.56	.55
9.0	.64	.58	.53	.63	.57	.53	.62	.57	.53	.61	.56	.53	.60	.56	.53	.51
10.0	.60	.54	.50	.60	.54	.50	.59	.54	.50	.58	.53	.50	.57	.53	.50	.48

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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-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 Coeffcients(WEC)									
0.0																
1.0	.196	.111	.035	.189	.108	.034	.176	.101	.032	.165	.095	.030	.154	.089	.029	
2.0	.185	.101	.031	.179	.099	.030	.169	.094	.029	.159	.089	.028	.150	.085	.027	
3.0	.175	.093	.028	.170	.091	.027	.161	.087	.026	.152	.083	.026	.144	.080	.025	
4.0	.165	.086	.025	.161	.084	.025	.153	.081	.024	.146	.078	.024	.139	.075	.023	
5.0	.157	.080	.023	.153	.079	.023	.146	.076	.022	.140	.074	.022	.134	.071	.021	
6.0	.149	.075	.021	.146	.074	.021	.140	.072	.021	.134	.070	.020	.128	.068	.020	
7.0	.142	.070	.020	.139	.069	.020	.133	.067	.019	.128	.066	.019	.124	.064	.019	
8.0	.135	.066	.019	.133	.065	.018	.128	.064	.018	.123	.062	.018	.119	.061	.018	
9.0	.129	.062	.017	.127	.062	.017	.122	.061	.017	.118	.059	.017	.114	.058	.017	
10.0	.123	.059	.016	.121	.059	.016	.117	.058	.016	.114	.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	.148	.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	.061	.080	.060	.043	.046	.035	.026	.015	.011	.008	
5.0	.128	.088	.058	.110	.076	.051	.076	.053	.036	.044	.031	.021	.014	.010	.007	
6.0	.120	.078	.048	.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	.022	.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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-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	8.2	9.2	8.4	9.4	9.6	8.3	9.3	8.6	9.5	9.7
3H	8.3	9.2	8.6	9.4	9.6	8.4	9.3	8.7	9.5	9.7
4H	8.4	9.2	8.6	9.5	9.7	8.5	9.3	8.7	9.6	9.8
6H	8.5	9.3	8.8	9.6	9.8	8.6	9.4	8.9	9.7	9.9
8H	8.7	9.5	9.0	9.7	10.0	8.8	9.6	9.1	9.8	10.1
12H	8.9	9.6	9.2	9.9	10.2	9.0	9.7	9.3	10.0	10.3
4H 2H	8.1	9.0	8.4	9.2	9.5	8.2	9.1	8.5	9.3	9.6
3H	8.3	9.1	8.6	9.3	9.6	8.4	9.2	8.7	9.4	9.7
4H	8.5	9.1	8.8	9.4	9.8	8.5	9.2	8.9	9.5	9.9
6H	8.7	9.4	9.1	9.7	10.0	8.8	9.5	9.2	9.8	10.1
8H	9.0	9.5	9.4	9.9	10.3	9.1	9.6	9.5	10.0	10.4
12H	9.3	9.8	9.7	10.2	10.6	9.4	9.9	9.8	10.3	10.7
8H 4H	8.5	9.0	8.9	9.4	9.8	8.6	9.1	9.0	9.5	9.8
6H	8.9	9.4	9.4	9.8	10.2	9.0	9.5	9.5	9.9	10.3
8H	9.3	9.7	9.8	10.1	10.6	9.4	9.8	9.8	10.2	10.7
12H	9.8	10.2	10.3	10.6	11.1	9.9	10.3	10.4	10.7	11.2
12H 4H	8.5	9.0	8.9	9.4	9.7	8.6	9.1	9.0	9.4	9.8
6H	9.0	9.4	9.4	9.8	10.3	9.1	9.5	9.5	9.9	10.3
8H	9.4	9.8	9.9	10.2	10.7	9.5	9.9	10.0	10.3	10.8
Variations with the observer position at spacings:										
S = 1.0H	+ 1.5 / - 1.5					+ 1.6 / - 1.6				
1.5H	+ 2.5 / - 1.2					+ 2.8 / - 1.3				
2.0H	+ 2.0 / - 1.0					+ 2.0 / - 1.0				

CIE Pub.117 Corrected 1638 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.7)

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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-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) 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	89	86	94	90	85	81
1.25	101	95	91	100	94	90	98	93	90	85
1.50	104	98	94	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	110	107	104	109	105	102	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	

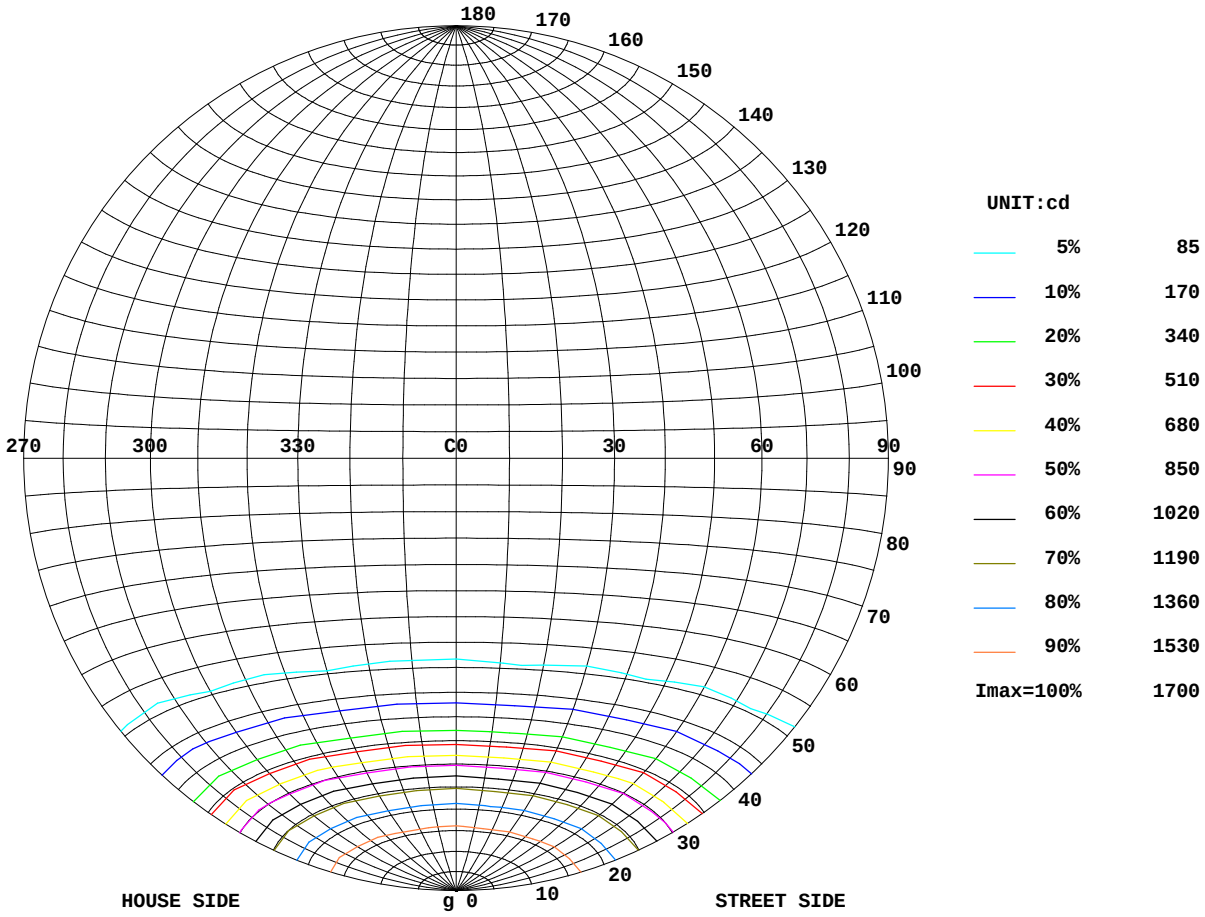
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-3K	DIMENSION:	SERIAL No.:2013051602



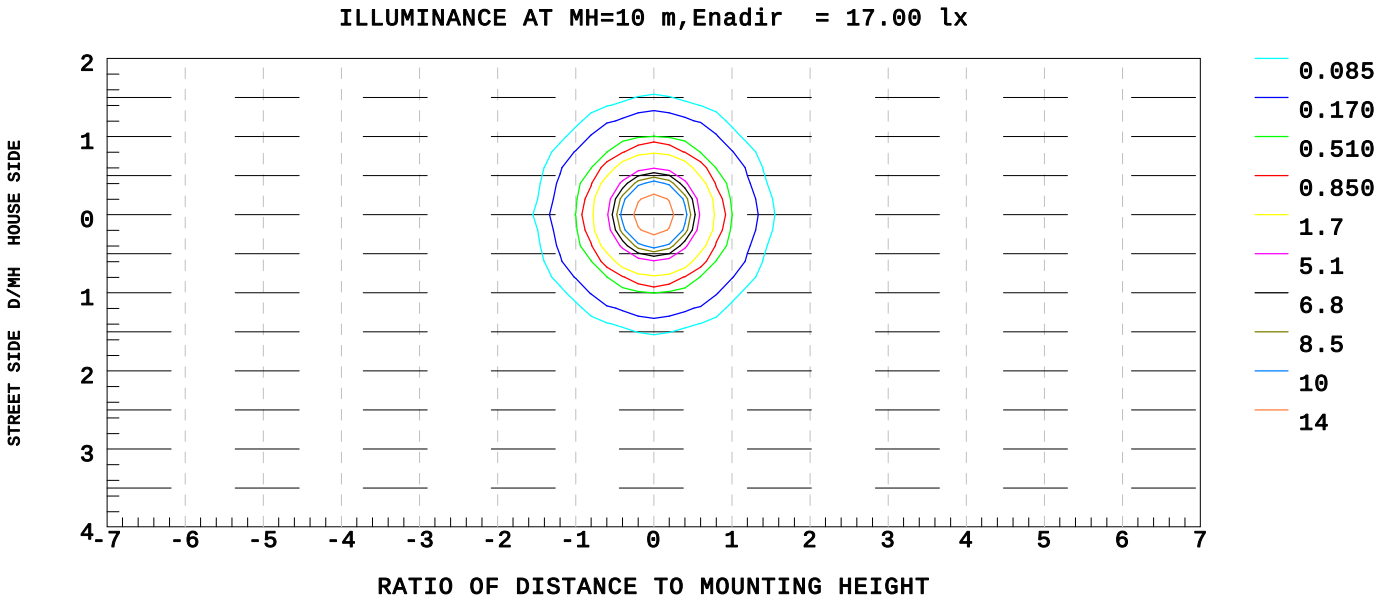
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

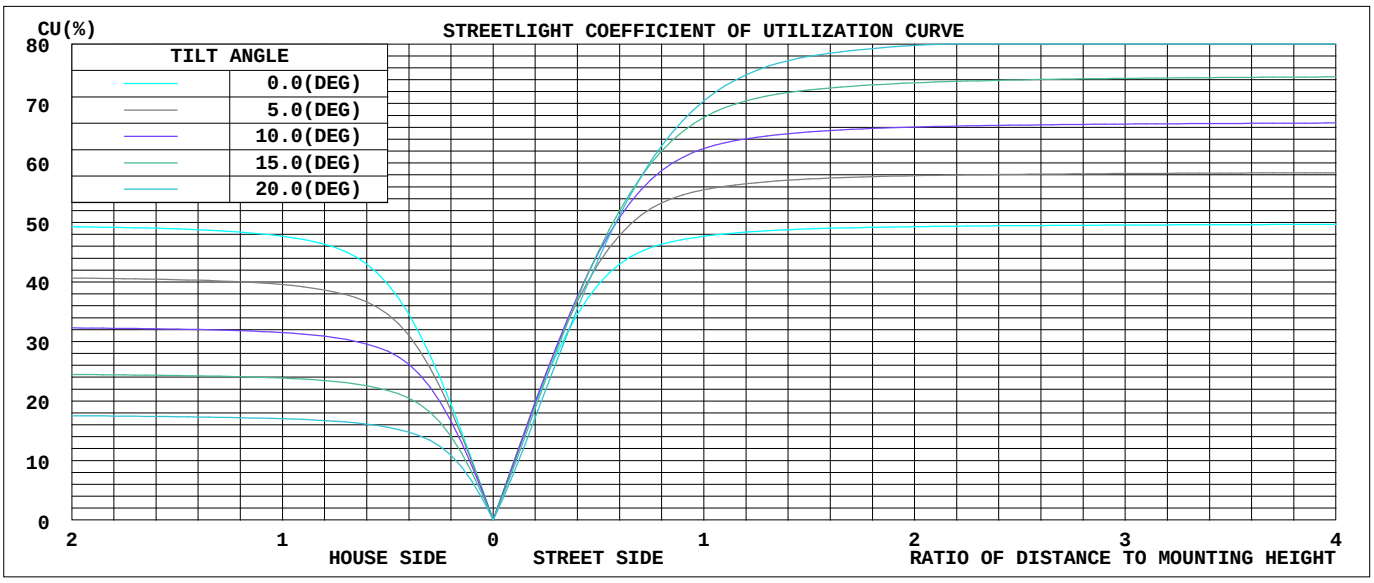
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5844T-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-3K	DIMENSION:	SERIAL No.:2013051602





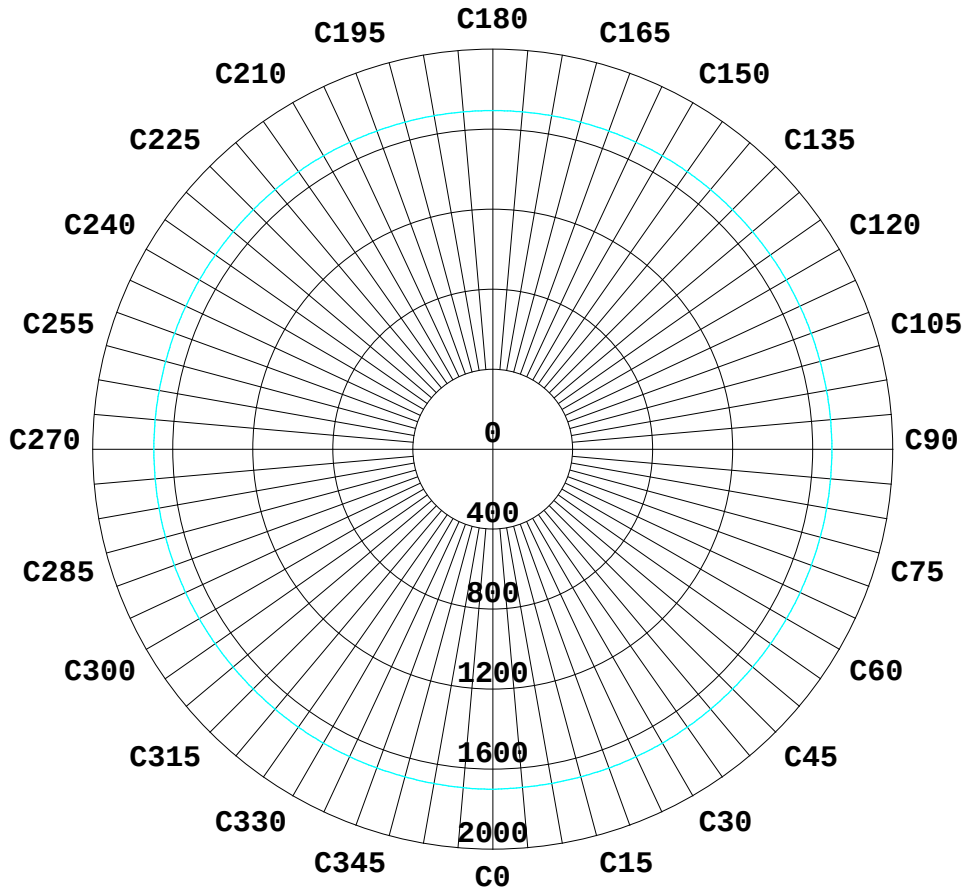
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-3K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-3K	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-3K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5844T-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	1700	1696	1696	1695	1695	1695	1695	1694	1694	1694	1695	1694	1694	1694	1695
5.0	1683	1681	1685	1685	1687	1687	1688	1686	1686	1681	1681	1678	1678	1678	1681
10.0	1636	1634	1640	1640	1646	1647	1650	1647	1647	1637	1637	1633	1634	1633	1637
15.0	1558	1550	1556	1554	1564	1565	1576	1576	1582	1567	1567	1557	1558	1557	1567
20.0	1411	1396	1404	1400	1414	1413	1428	1428	1441	1421	1433	1419	1420	1419	1433
25.0	1167	1147	1160	1152	1172	1166	1186	1181	1200	1163	1179	1166	1179	1166	1179
30.0	831	813	832	819	845	835	861	849	867	810	828	809	831	809	828
35.0	459	448	468	456	478	469	491	476	488	436	451	438	459	438	451
40.0	232	240	236	237	240	237	246	240	242	237	225	239	231	239	225
45.0	146	137	145	138	146	140	146	141	145	135	144	136	146	136	144
50.0	98.1	90.2	97.1	89.2	96.5	89.5	98.0	91.2	99.3	88.6	96.7	90.2	98.8	90.2	96.7
55.0	61.7	55.6	60.7	54.6	59.9	54.5	60.6	55.5	61.8	54.2	60.6	55.8	62.3	55.8	60.6
60.0	38.3	33.7	37.6	33.1	37.0	32.7	36.9	33.2	37.9	32.7	37.4	33.7	38.6	33.7	37.4
65.0	25.9	22.8	26.1	22.7	25.6	22.2	25.4	22.5	26.1	22.0	25.4	22.3	25.7	22.3	25.4
70.0	17.6	14.9	17.7	14.8	17.3	14.7	17.3	14.5	17.2	14.2	16.8	14.3	17.1	14.3	16.8
75.0	14.0	12.0	14.2	12.2	14.2	12.2	14.2	12.0	14.0	11.9	13.8	11.7	13.6	11.7	13.8
80.0	12.6	10.9	12.7	11.0	12.9	11.1	12.9	11.0	12.7	10.8	12.5	10.6	12.4	10.6	12.5
85.0	10.8	9.21	10.9	9.34	10.9	9.40	11.0	9.34	10.9	9.15	10.7	9.02	10.6	9.02	10.7
90.0	8.44	7.55	8.57	7.68	8.70	7.87	8.83	7.93	8.89	8.00	8.83	7.93	8.76	7.93	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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: Havit Lighting	**Address:**	
NAME: HV5844T-3K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5844T-3K	**DIMENSION:**	**SERIAL No.:2013051602**

UNIT: cd

C(DEG) / g (DEG)	225	240	255	270	285	300	315	330	345
0.0	1694	1694	1694	1695	1695	1695	1695	1696	1696
5.0	1681	1686	1686	1688	1687	1687	1685	1685	1681
10.0	1637	1647	1647	1650	1647	1646	1640	1640	1634
15.0	1567	1582	1576	1576	1565	1564	1554	1556	1550
20.0	1421	1441	1428	1428	1413	1414	1400	1404	1396
25.0	1163	1200	1181	1186	1166	1172	1152	1160	1147
30.0	810	867	849	861	835	845	819	832	813
35.0	436	488	476	491	469	478	456	468	448
40.0	237	242	240	246	237	240	237	236	240
45.0	135	145	141	146	140	146	138	145	137
50.0	88.6	99.3	91.2	98.0	89.5	96.5	89.2	97.1	90.2
55.0	54.2	61.8	55.5	60.6	54.5	59.9	54.6	60.7	55.6
60.0	32.7	37.9	33.2	36.9	32.7	37.0	33.1	37.6	33.7
65.0	22.0	26.1	22.5	25.4	22.2	25.6	22.7	26.1	22.8
70.0	14.2	17.2	14.5	17.3	14.7	17.3	14.8	17.7	14.9
75.0	11.9	14.0	12.0	14.2	12.2	14.2	12.2	14.2	12.0
80.0	10.8	12.7	11.0	12.9	11.1	12.9	11.0	12.7	10.9
85.0	9.15	10.9	9.34	11.0	9.40	10.9	9.34	10.9	9.21
90.0	8.00	8.89	7.93	8.83	7.87	8.70	7.68	8.57	7.55

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: