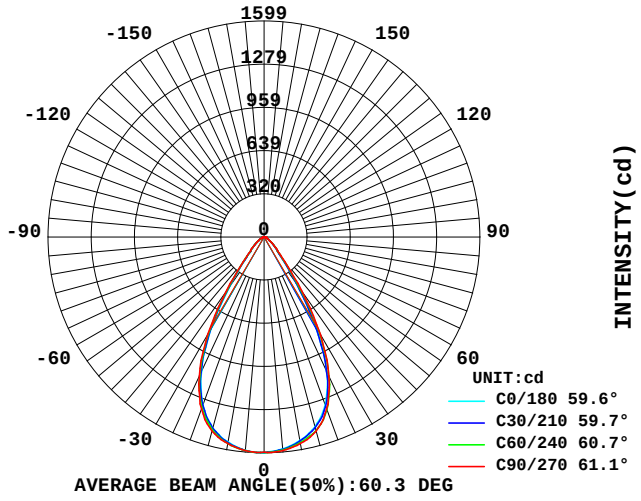
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5844T-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-2.7K	DIMENSION:	SERIAL No.:2013051602

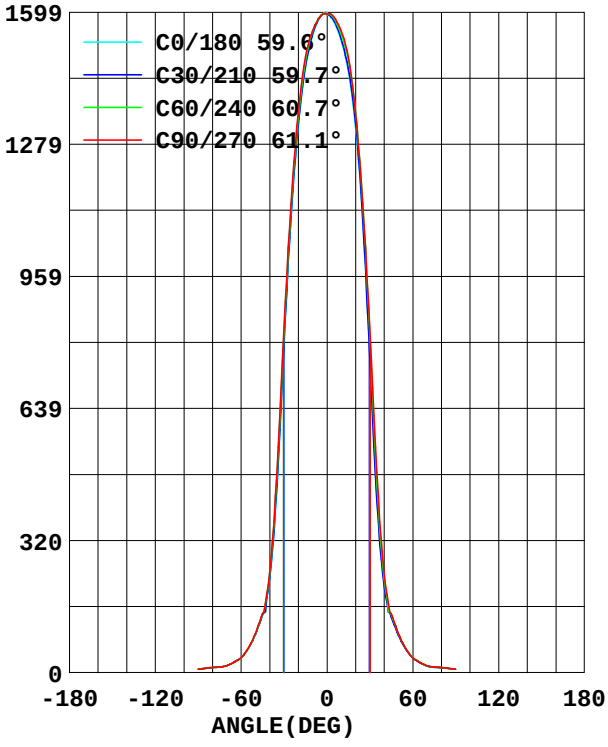
DATA OF LAMP		Imax(cd)	1599	S/MH(C0/180)	0.88
MODEL	HV5844T-2.7K	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.90
NOMINAL POWER(W)	22	TOTAL FLUX(lm)	1554.0	Voltage(V)	229.1
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	71.5	Current(A)	0.107
NOMINAL FLUX(lm)	1554.0	h up(%)	0.0	Power(W)	21.74
LAMPS QUANTITY	1	h down(%)	100.0	Power Factor(PF)	0.880
TEST VOLTAGE(V)	229.2	Effictive Flux(lm)	1386.3	EEI	0.214

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):60.3 DEG

LUMINOUS INTENSITY DISTRIBUTION



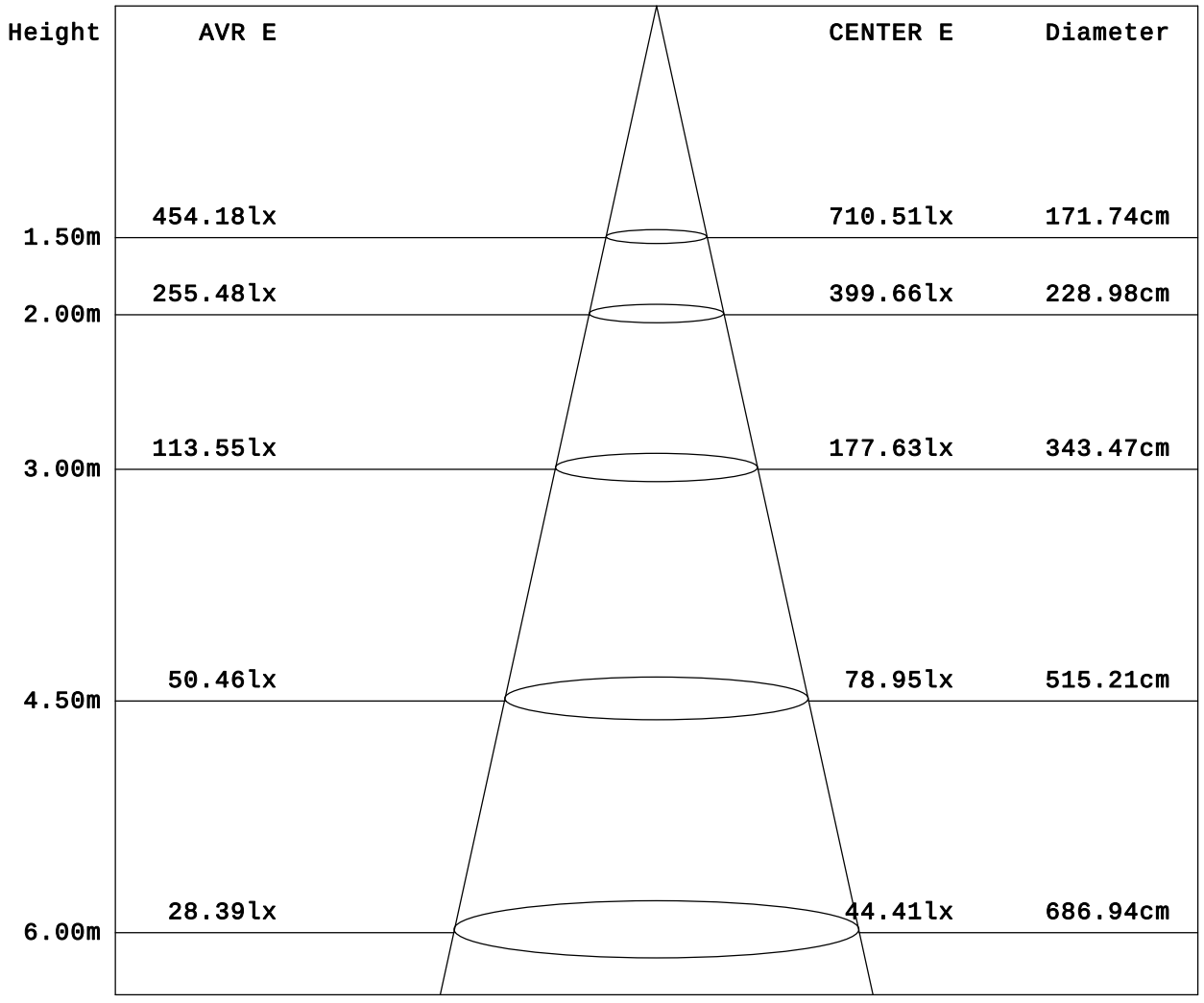
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-2.7K	DIMENSION:	SERIAL No.:2013051602



Angle:59.6deg

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-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-2.7K	DIMENSION:	SERIAL No.:2013051602

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	Total
5.0	1585	1586	1587	1580	1575	1580	1587	1586	0- 5	37.99	37.99
10.0	1541	1546	1552	1538	1529	1538	1552	1546	5- 10	111.8	149.8
15.0	1465	1468	1490	1472	1455	1472	1490	1468	10- 15	178.9	328.7
20.0	1324	1329	1356	1349	1323	1349	1356	1329	15- 20	231.9	560.7
25.0	1096	1102	1134	1114	1094	1114	1134	1102	20- 25	258.0	818.7
30.0	787.4	792.2	834.0	783.9	766.6	783.9	834.0	792.2	25- 30	241.4	1060
35.0	440.5	445.9	483.7	426.1	422.3	426.1	483.7	445.9	30- 35	179.3	1240
40.0	223.0	243.4	240.2	238.1	213.9	238.1	240.2	243.4	35- 40	107.3	1347
45.0	139.2	132.2	143.1	129.9	135.9	129.9	143.1	132.2	40- 45	63.87	1411
50.0	92.99	85.11	94.97	86.59	92.54	86.59	94.97	85.11	45- 50	44.96	1456
55.0	58.30	52.03	58.87	53.56	58.55	53.56	58.87	52.03	50- 55	31.14	1487
60.0	36.28	31.42	35.90	32.32	36.48	32.32	35.90	31.42	55- 60	20.26	1507
65.0	24.76	21.44	24.57	21.50	24.32	21.50	24.57	21.44	60- 65	13.62	1521
70.0	16.89	14.08	16.64	13.69	16.06	13.69	16.64	14.08	65- 70	9.585	1530
75.0	13.37	11.58	13.50	11.20	12.99	11.20	13.50	11.58	70- 75	6.967	1537
80.0	12.09	10.49	12.28	10.24	11.77	10.24	12.28	10.49	75- 80	6.339	1544
85.0	10.36	8.832	10.55	8.704	10.04	8.704	10.55	8.832	80- 85	5.679	1549
90.0	8.127	7.360	8.512	7.488	8.384	7.488	8.512	7.360	85- 90	4.703	1554
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:

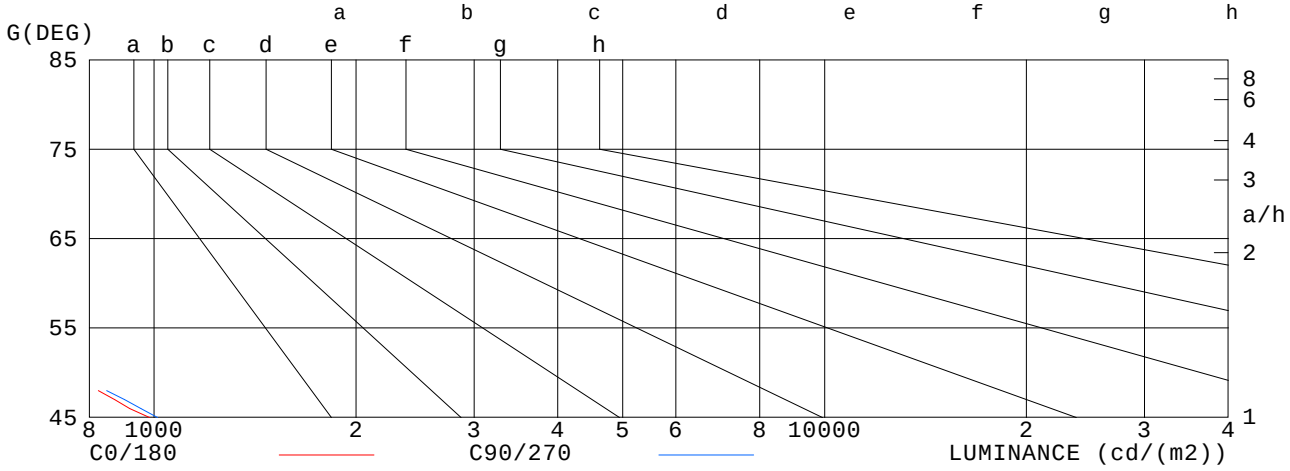
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: Havit Lighting	**Address:**	
NAME: HV5844T-2.7K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5844T-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
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	595	606
80	348	354
75	258	261
70	247	243
65	293	291
60	363	359
55	508	513
50	723	739
45	985	1012

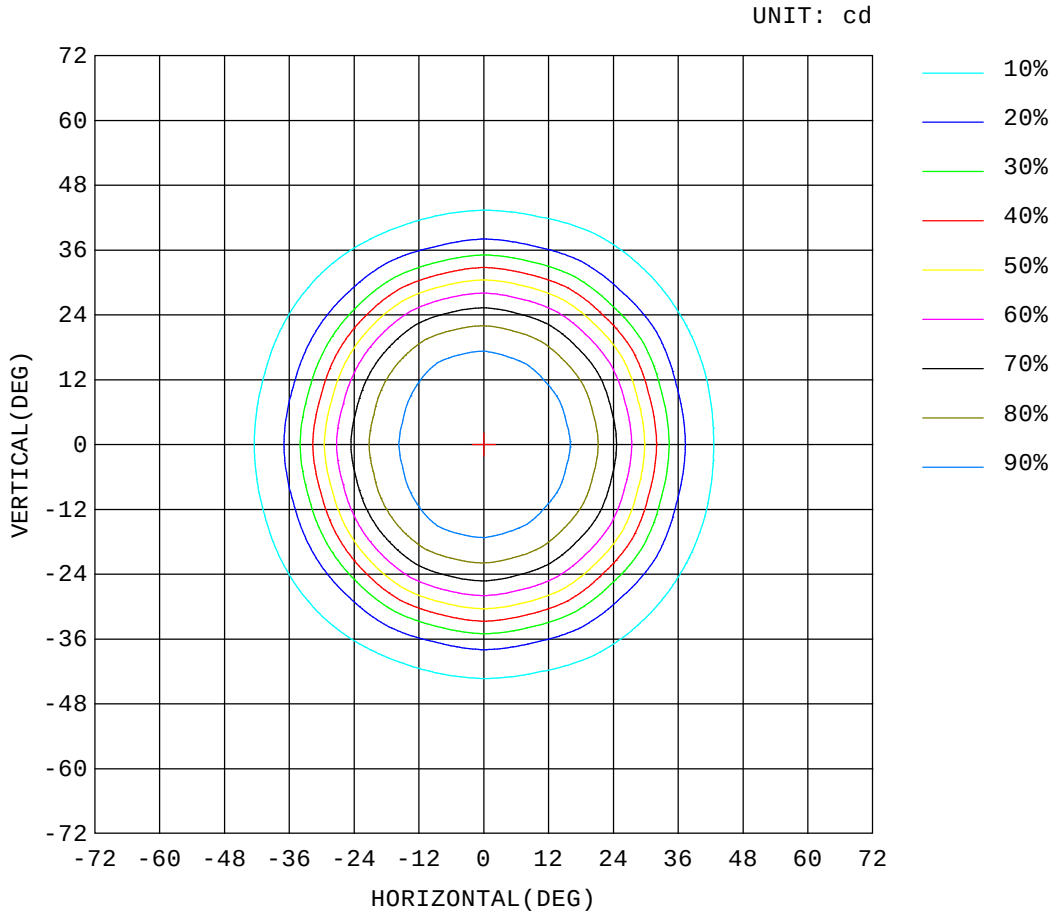
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-2.7K	DIMENSION:	SERIAL No.:2013051602



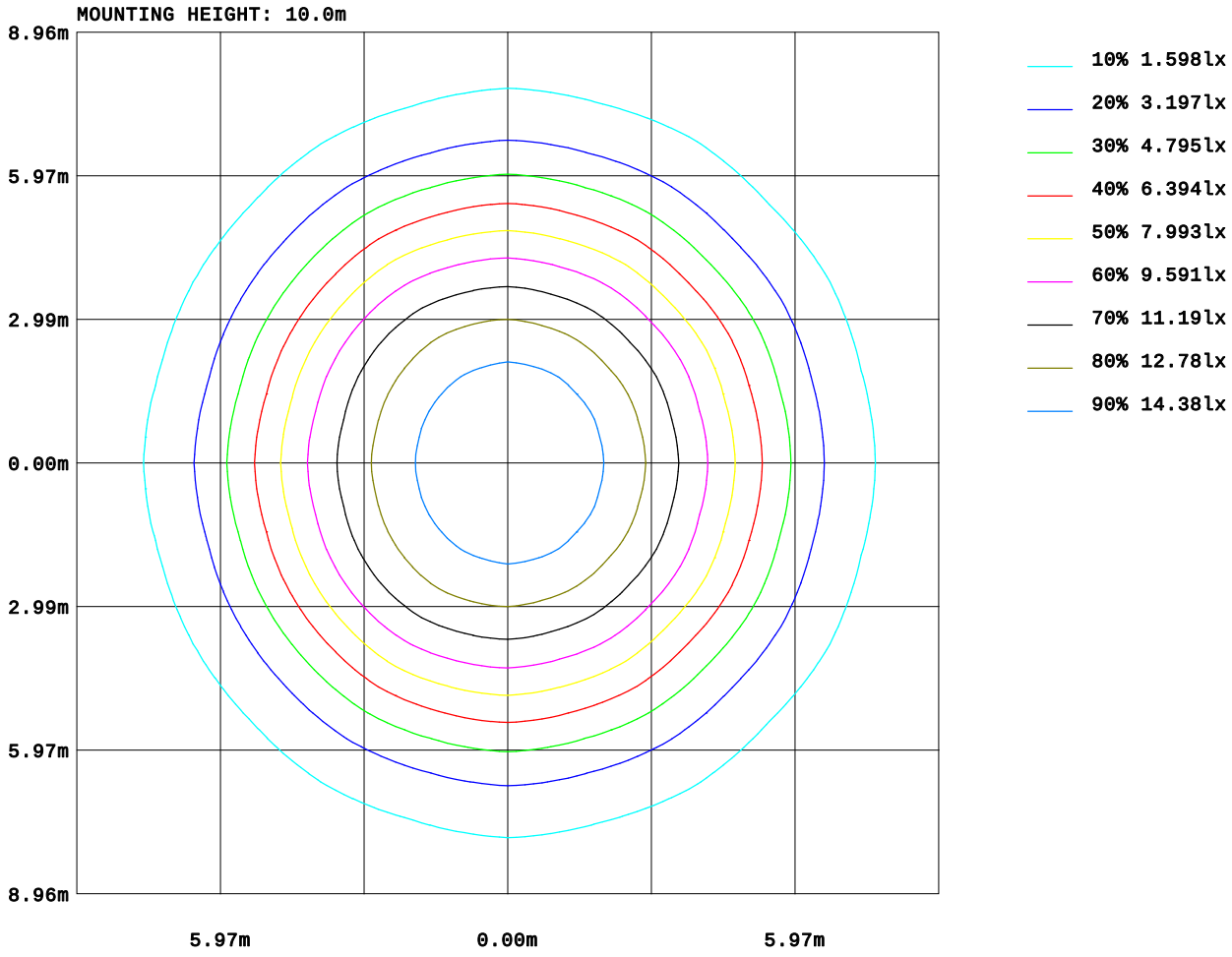
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-2.7K	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-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-2.7K	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	0.07	0.12	0.14	0.16	0.21	0.27	0.30	0.32	0.37	0.37	0.32	0.30	0.28	0.22	0.17	0.15	0.12	0.08	3.96	0.00
64	0.08	0.12	0.16	0.22	0.33	0.47	0.55	0.61	0.70	0.69	0.60	0.53	0.45	0.33	0.23	0.17	0.13	0.08	6.46	0.00
56	0.08	0.13	0.23	0.35	0.53	0.83	1.11	1.29	1.50	1.49	1.28	1.08	0.81	0.52	0.36	0.24	0.14	0.08	12.0	0.00
48	0.08	0.16	0.32	0.55	0.93	1.49	2.11	2.58	3.04	3.05	2.61	2.11	1.47	0.91	0.55	0.33	0.17	0.09	22.5	4.23
40	0.09	0.20	0.42	0.86	1.51	2.44	4.09	6.32	8.06	8.11	6.47	4.28	2.53	1.52	0.87	0.42	0.21	0.09	48.5	38.0
32	0.10	0.23	0.55	1.20	2.23	4.57	9.49	14.9	17.9	17.8	14.9	9.76	4.88	2.31	1.22	0.55	0.24	0.11	103	95.5
24	0.12	0.28	0.68	1.50	3.29	8.49	16.6	23.0	25.7	25.6	22.7	16.7	9.04	3.52	1.54	0.68	0.28	0.12	160	154
	0.13	0.33	0.82	1.79	4.68	12.4	21.6	27.1	29.3	29.3	26.9	21.6	13.0	5.00	1.85	0.83	0.33	0.14	197	192
	0.14	0.36	0.92	2.04	5.83	14.9	23.6	28.3	30.5	30.6	28.5	23.6	15.2	6.13	2.09	0.93	0.36	0.15	214	209
	0.14	0.36	0.92	2.04	5.83	14.9	23.6	28.3	30.5	30.6	28.5	23.6	15.2	6.13	2.09	0.93	0.36	0.15	214	209
	0.13	0.33	0.82	1.79	4.68	12.4	21.6	27.1	29.3	29.3	26.9	21.6	13.0	5.00	1.85	0.83	0.33	0.14	197	192
-24	0.12	0.28	0.68	1.50	3.29	8.49	16.6	23.0	25.7	25.6	22.7	16.7	9.04	3.52	1.54	0.68	0.28	0.12	160	154
-32	0.10	0.23	0.55	1.20	2.23	4.57	9.49	14.9	17.9	17.8	14.9	9.76	4.88	2.31	1.22	0.55	0.24	0.11	103	95.5
-40	0.09	0.20	0.42	0.86	1.51	2.44	4.09	6.32	8.06	8.11	6.47	4.28	2.53	1.52	0.87	0.42	0.21	0.09	48.5	38.0
-48	0.08	0.16	0.32	0.55	0.93	1.49	2.11	2.58	3.04	3.05	2.61	2.11	1.47	0.91	0.55	0.33	0.17	0.09	22.5	4.23
-56	0.08	0.13	0.23	0.35	0.53	0.83	1.11	1.29	1.50	1.49	1.28	1.08	0.81	0.52	0.36	0.24	0.14	0.08	12.0	0.00
-64	0.08	0.12	0.16	0.22	0.33	0.47	0.55	0.61	0.70	0.69	0.60	0.53	0.45	0.33	0.23	0.17	0.13	0.08	6.46	0.00
-72	0.07	0.12	0.14	0.16	0.21	0.27	0.30	0.32	0.37	0.37	0.32	0.30	0.28	0.22	0.17	0.15	0.12	0.08	3.96	0.00
F t	1.79	3.85	8.48	17.3	39.1	91.9	159	209	235	235	209	160	95.4	40.9	17.7	8.60	3.95	1.88	1554	
F a	0.00	0.00	0.00	1.84	27.6	82.0	150	201	226	226	201	152	85.9	29.7	2.44	0.00	0.00	0.00		1386

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

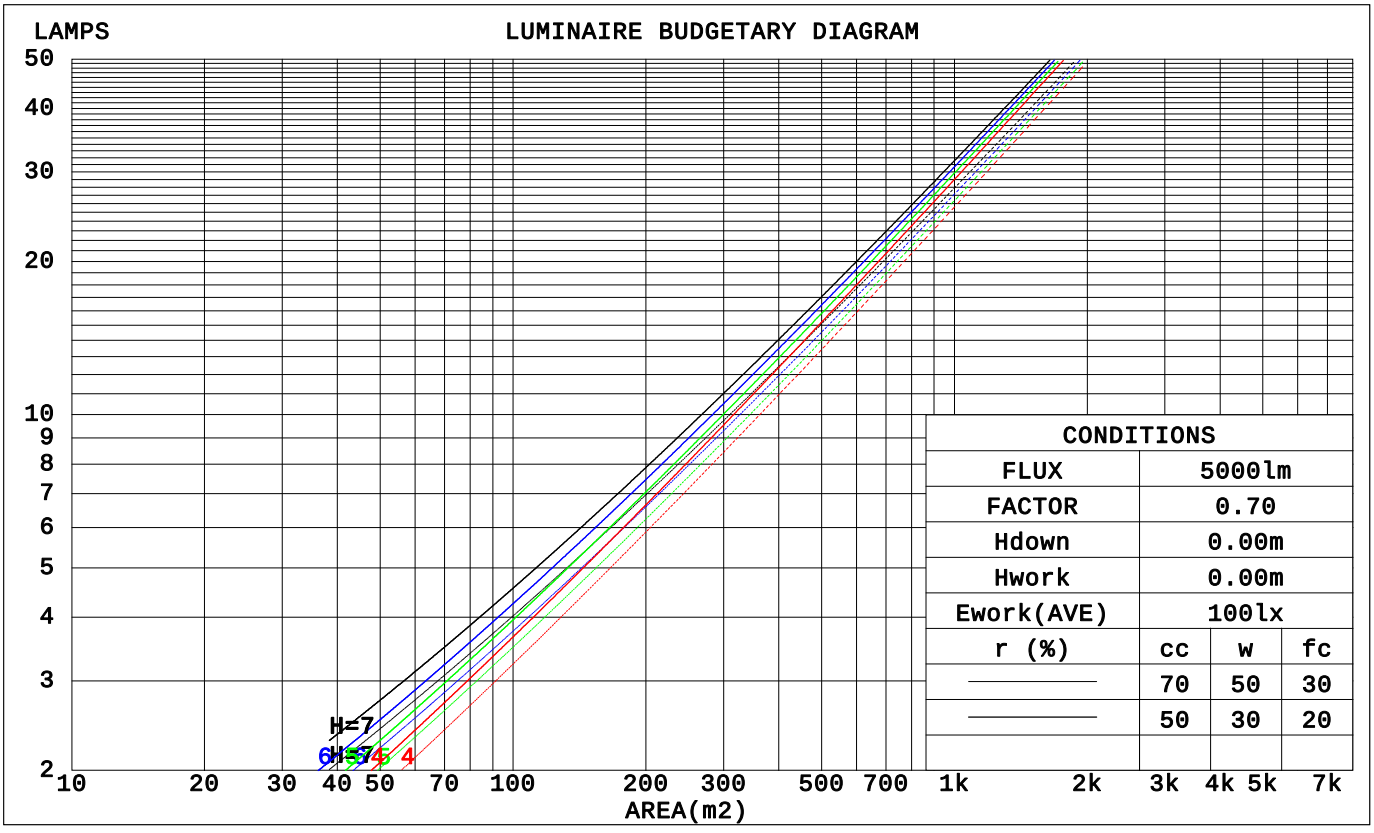
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5844T-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-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			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	.93	.00	.96	.92	.97	.93	.90	.93	.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	.72
5.0	.82	.76	.71	.81	.75	.71	.79	.74	.70	.77	.73	.69	.76	.72	.69	.67
6.0	.76	.70	.66	.76	.70	.65	.74	.69	.65	.73	.68	.65	.71	.67	.64	.63
7.0	.72	.65	.61	.71	.65	.61	.70	.64	.61	.69	.64	.60	.67	.63	.60	.58
8.0	.67	.61	.57	.67	.61	.57	.66	.60	.57	.65	.60	.56	.64	.59	.56	.55
9.0	.64	.57	.53	.63	.57	.53	.62	.57	.53	.61	.56	.53	.60	.56	.53	.51
10.0	.60	.54	.50	.60	.54	.50	.59	.53	.50	.58	.53	.50	.57	.53	.50	.48



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-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-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 Coeffcients(WEC)									
0.0																
1.0	.196	.112	.035	.189	.108	.034	.177	.101	.032	.165	.095	.031	.154	.089	.029	
2.0	.185	.102	.031	.180	.099	.030	.169	.094	.029	.159	.089	.028	.150	.085	.027	
3.0	.175	.093	.028	.170	.091	.027	.161	.087	.027	.153	.084	.026	.145	.080	.025	
4.0	.166	.086	.025	.162	.085	.025	.154	.081	.024	.146	.078	.024	.139	.076	.023	
5.0	.157	.080	.023	.153	.079	.023	.146	.076	.022	.140	.074	.022	.134	.072	.022	
6.0	.149	.075	.021	.146	.074	.021	.140	.072	.021	.134	.070	.020	.129	.068	.020	
7.0	.142	.070	.020	.139	.069	.020	.134	.068	.019	.129	.066	.019	.124	.064	.019	
8.0	.135	.066	.019	.133	.065	.018	.128	.064	.018	.123	.063	.018	.119	.061	.018	
9.0	.129	.063	.017	.127	.062	.017	.123	.061	.017	.119	.059	.017	.115	.058	.017	
10.0	.124	.059	.016	.122	.059	.016	.118	.058	.016	.114	.057	.016	.110	.056	.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	.047	.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	.079	.048	.104	.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	.040	.022	.038	.023	.013	.012	.008	.004	
9.0	.103	.060	.030	.089	.052	.027	.062	.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-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-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	8.1	9.1	8.3	9.3	9.5	8.4	9.4	8.6	9.5	9.7
3H	8.2	9.1	8.4	9.3	9.5	8.4	9.3	8.7	9.6	9.8
4H	8.2	9.1	8.5	9.3	9.6	8.5	9.4	8.7	9.6	9.8
6H	8.4	9.2	8.7	9.5	9.7	8.6	9.4	8.9	9.7	9.9
8H	8.5	9.3	8.9	9.6	9.9	8.8	9.6	9.1	9.8	10.1
12H	8.8	9.5	9.1	9.8	10.1	9.0	9.7	9.3	10.0	10.3
4H 2H	8.0	8.9	8.3	9.1	9.4	8.3	9.1	8.5	9.4	9.6
3H	8.2	9.0	8.5	9.2	9.5	8.4	9.2	8.7	9.4	9.7
4H	8.3	9.0	8.7	9.3	9.6	8.5	9.2	8.9	9.5	9.8
6H	8.6	9.2	9.0	9.6	9.9	8.8	9.4	9.2	9.8	10.1
8H	8.9	9.4	9.2	9.8	10.1	9.0	9.6	9.4	10.0	10.3
12H	9.2	9.7	9.6	10.1	10.5	9.4	9.9	9.8	10.3	10.7
8H 4H	8.3	8.9	8.7	9.3	9.6	8.5	9.1	8.9	9.5	9.8
6H	8.8	9.3	9.2	9.7	10.1	9.0	9.4	9.4	9.8	10.3
8H	9.2	9.6	9.6	10.0	10.4	9.3	9.8	9.8	10.2	10.6
12H	9.7	10.0	10.1	10.5	10.9	9.8	10.2	10.3	10.6	11.1
12H 4H	8.3	8.9	8.8	9.2	9.6	8.5	9.1	8.9	9.4	9.8
6H	8.9	9.3	9.3	9.7	10.1	9.0	9.4	9.5	9.9	10.3
8H	9.3	9.7	9.8	10.1	10.6	9.5	9.8	9.9	10.3	10.7
Variations with the observer position at spacings:										
S = 1.0H	+ 1.6 / - 1.4					+ 1.7 / - 1.7				
1.5H	+ 2.6 / - 1.2					+ 2.9 / - 1.4				
2.0H	+ 2.1 / - 1.0					+ 2.1 / - 1.1				

CIE Pub.117 Corrected 1554 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.5)

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-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-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) x RCR = 5									
k = 0.60	83	76	72	83	76	72	82	76	72	68
0.80	91	84	80	90	84	80	89	83	80	76
1.00	96	90	86	95	89	85	94	89	85	81
1.25	101	95	91	100	94	90	97	93	90	85
1.50	104	98	94	102	97	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	102	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	

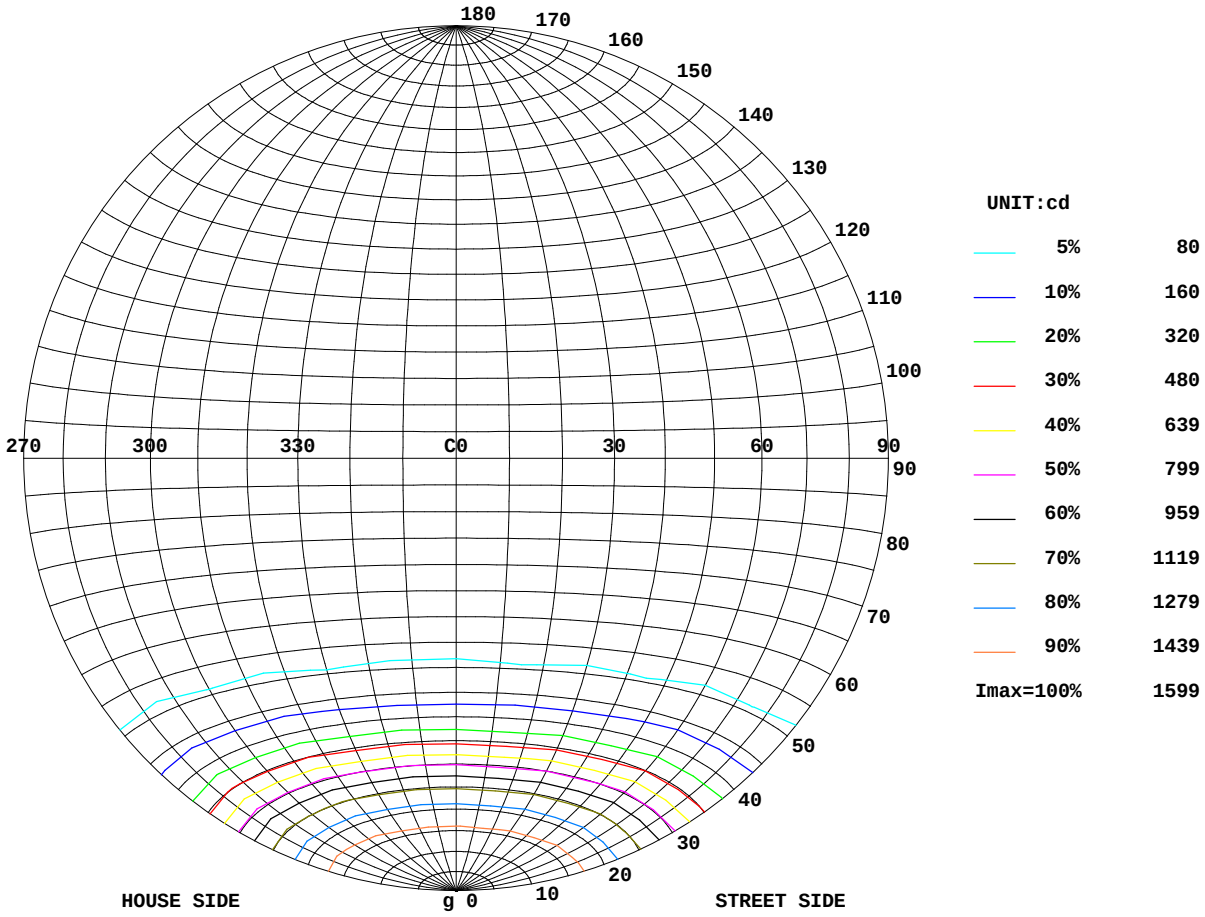
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-2.7K	DIMENSION:	SERIAL No.:2013051602



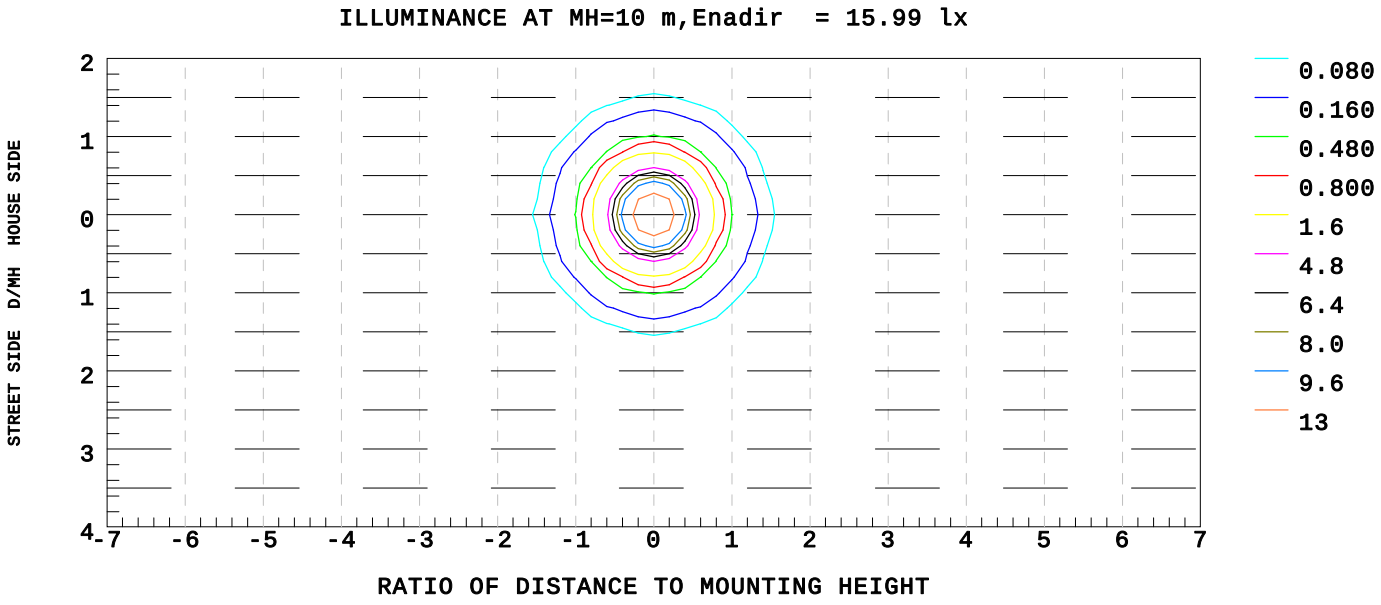
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

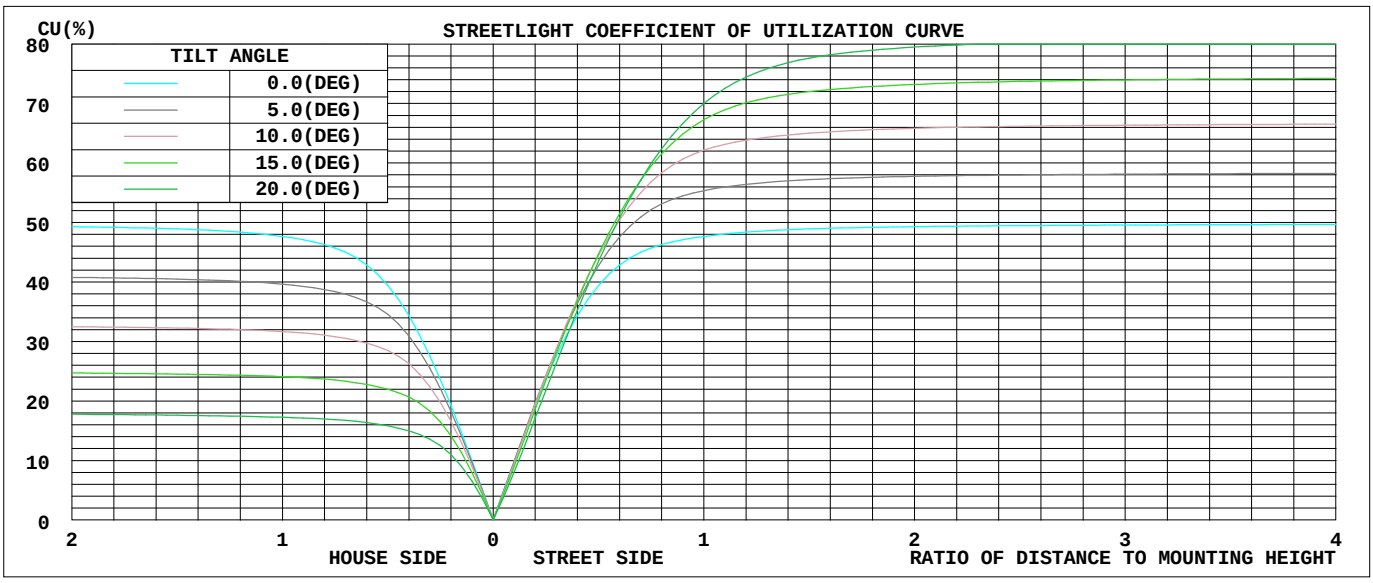
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit Lighting	Address:	
NAME: HV5844T-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-2.7K	DIMENSION:	SERIAL No.:2013051602





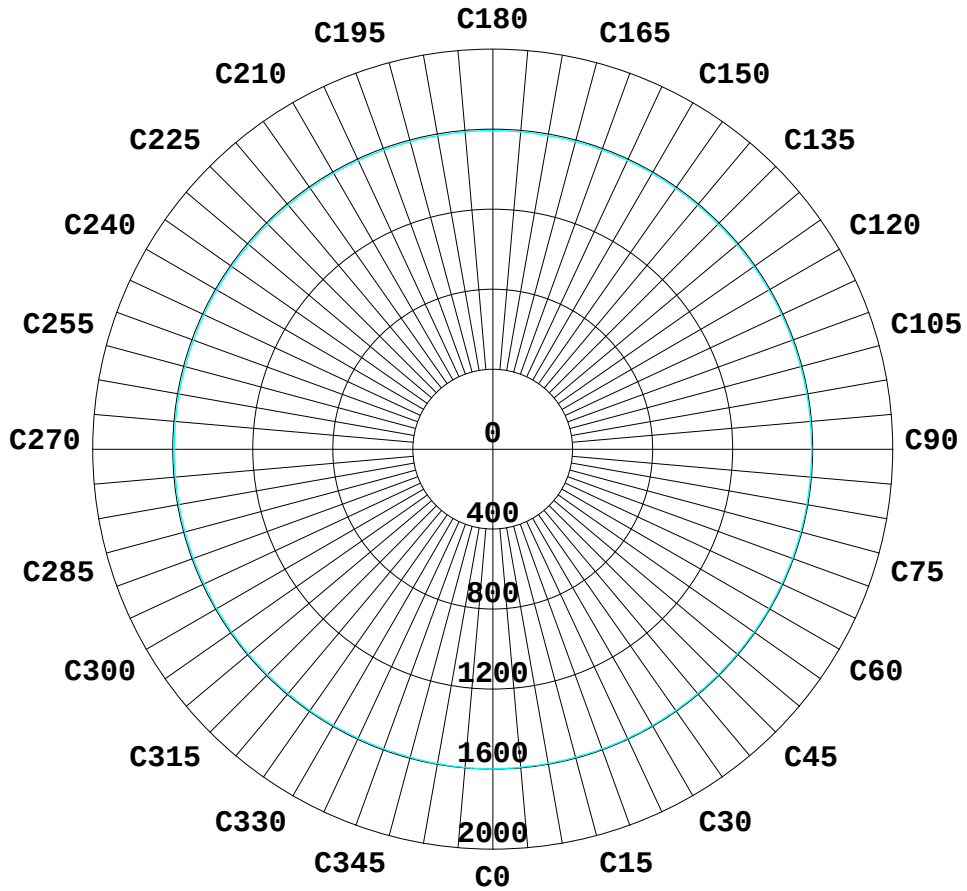
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2022-12-02

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-2.7K	TYPE:downlight	WEIGHT:0.5KG
SPECIFICATION:HV5844T-2.7K	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-2.7K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5844T-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	1599	1594	1595	1594	1594	1594	1594	1593	1594	1593	1594	1593	1593	1593	1594
5.0	1585	1583	1586	1586	1588	1586	1587	1584	1583	1580	1578	1575	1575	1575	1578
10.0	1541	1540	1545	1546	1551	1551	1552	1547	1545	1538	1534	1528	1529	1528	1534
15.0	1465	1459	1467	1468	1480	1481	1490	1486	1485	1472	1462	1452	1455	1452	1462
20.0	1324	1315	1329	1329	1344	1343	1356	1353	1361	1349	1334	1316	1323	1316	1334
25.0	1096	1085	1105	1102	1123	1116	1134	1126	1136	1114	1098	1078	1094	1078	1098
30.0	787	773	798	792	821	812	834	814	820	784	765	743	767	743	765
35.0	441	431	454	446	474	466	484	459	458	426	416	401	422	401	416
40.0	223	237	228	243	237	241	240	242	227	238	210	232	214	232	210
45.0	139	131	140	132	144	136	143	134	141	130	135	126	136	126	135
50.0	92.9	85.5	92.4	85.1	93.3	86.9	94.9	87.6	94.7	86.5	90.7	84.2	92.5	84.2	90.7
55.0	58.3	52.6	57.7	52.0	57.9	52.7	58.8	53.5	59.2	53.5	57.2	52.2	58.5	52.2	57.2
60.0	36.2	31.9	35.7	31.4	35.4	31.3	35.9	32.1	36.4	32.3	35.5	31.6	36.4	31.6	35.5
65.0	24.7	21.8	24.8	21.4	24.2	21.2	24.5	21.7	24.8	21.5	24.0	20.9	24.3	20.9	24.0
70.0	16.8	14.1	16.8	14.0	16.5	13.8	16.6	13.7	16.4	13.6	15.9	13.5	16.0	13.5	15.9
75.0	13.3	11.4	13.5	11.5	13.5	11.5	13.5	11.3	13.3	11.2	13.1	11.0	12.9	11.0	13.1
80.0	12.0	10.3	12.2	10.4	12.2	10.4	12.2	10.4	12.0	10.2	11.9	10.0	11.7	10.0	11.9
85.0	10.3	8.76	10.4	8.83	10.4	8.89	10.5	8.83	10.4	8.70	10.1	8.51	10.0	8.51	10.1
90.0	8.12	7.16	8.19	7.36	8.32	7.48	8.51	7.55	8.51	7.48	8.44	7.48	8.38	7.48	8.44

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-2.7K	**TYPE:downlight**	**WEIGHT:0.5KG**
SPECIFICATION:HV5844T-2.7K	**DIMENSION:**	**SERIAL No.:2013051602**

UNIT: cd

C(DEG) / g (DEG)	225	240	255	270	285	300	315	330	345
0.0	1593	1594	1593	1594	1594	1594	1594	1595	1594
5.0	1580	1583	1584	1587	1586	1588	1586	1586	1583
10.0	1538	1545	1547	1552	1551	1551	1546	1545	1540
15.0	1472	1485	1486	1490	1481	1480	1468	1467	1459
20.0	1349	1361	1353	1356	1343	1344	1329	1329	1315
25.0	1114	1136	1126	1134	1116	1123	1102	1105	1085
30.0	784	820	814	834	812	821	792	798	773
35.0	426	458	459	484	466	474	446	454	431
40.0	238	227	242	240	241	237	243	228	237
45.0	130	141	134	143	136	144	132	140	131
50.0	86.5	94.7	87.6	94.9	86.9	93.3	85.1	92.4	85.5
55.0	53.5	59.2	53.5	58.8	52.7	57.9	52.0	57.7	52.6
60.0	32.3	36.4	32.1	35.9	31.3	35.4	31.4	35.7	31.9
65.0	21.5	24.8	21.7	24.5	21.2	24.2	21.4	24.8	21.8
70.0	13.6	16.4	13.7	16.6	13.8	16.5	14.0	16.8	14.1
75.0	11.2	13.3	11.3	13.5	11.5	13.5	11.5	13.5	11.4
80.0	10.2	12.0	10.4	12.2	10.4	12.2	10.4	12.2	10.3
85.0	8.70	10.4	8.83	10.5	8.89	10.4	8.83	10.4	8.76
90.0	7.48	8.51	7.55	8.51	7.48	8.32	7.36	8.19	7.16

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: