

# IES Flood Report

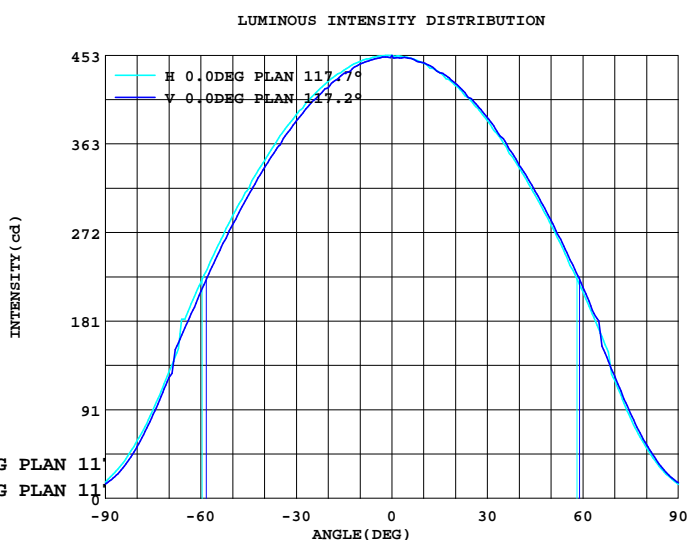
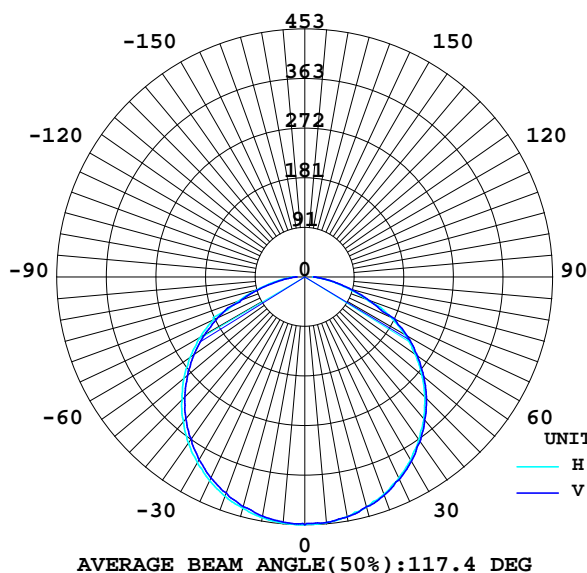
## Photometric Filename: HV3670-5500K.IES

### LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Havit Lighting		
Address: 143 Beauchamp Road Matraville N.S.W. Australia		
NAME: HV3670-5500K	TYPE: LED	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

MODEL:					
NOMINAL POWER(W):	32	Imax(cd):	453.2	Voltage(V)	220.3
RATED VOLTAGE(V):	220	AVAILABILITY(%):	98.2	Current(A)	0.150
NOMINAL FLUX(lm):	1338	Avai. FLUX(lm):	1313	Power(W)	31.84
TEST FLUX(lm):	1338	EFFICIENCY(%):	100.0	Power Factor(PF)	0.962
LAMPS QUANTITY :	1	TOTAL FLUX(lm):	1338	EFFICIENCY(lm/W)	42.0
Effective Flux(lm) :	1313.1	$\theta$ @50%(H, V):	117.7,117.1DEG	EEL:	0.330



Test System:HOP00 HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:02-27-2018

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.300 m  
 Remarks:

**IES Flood Report**  
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**Color Temperature Data List**

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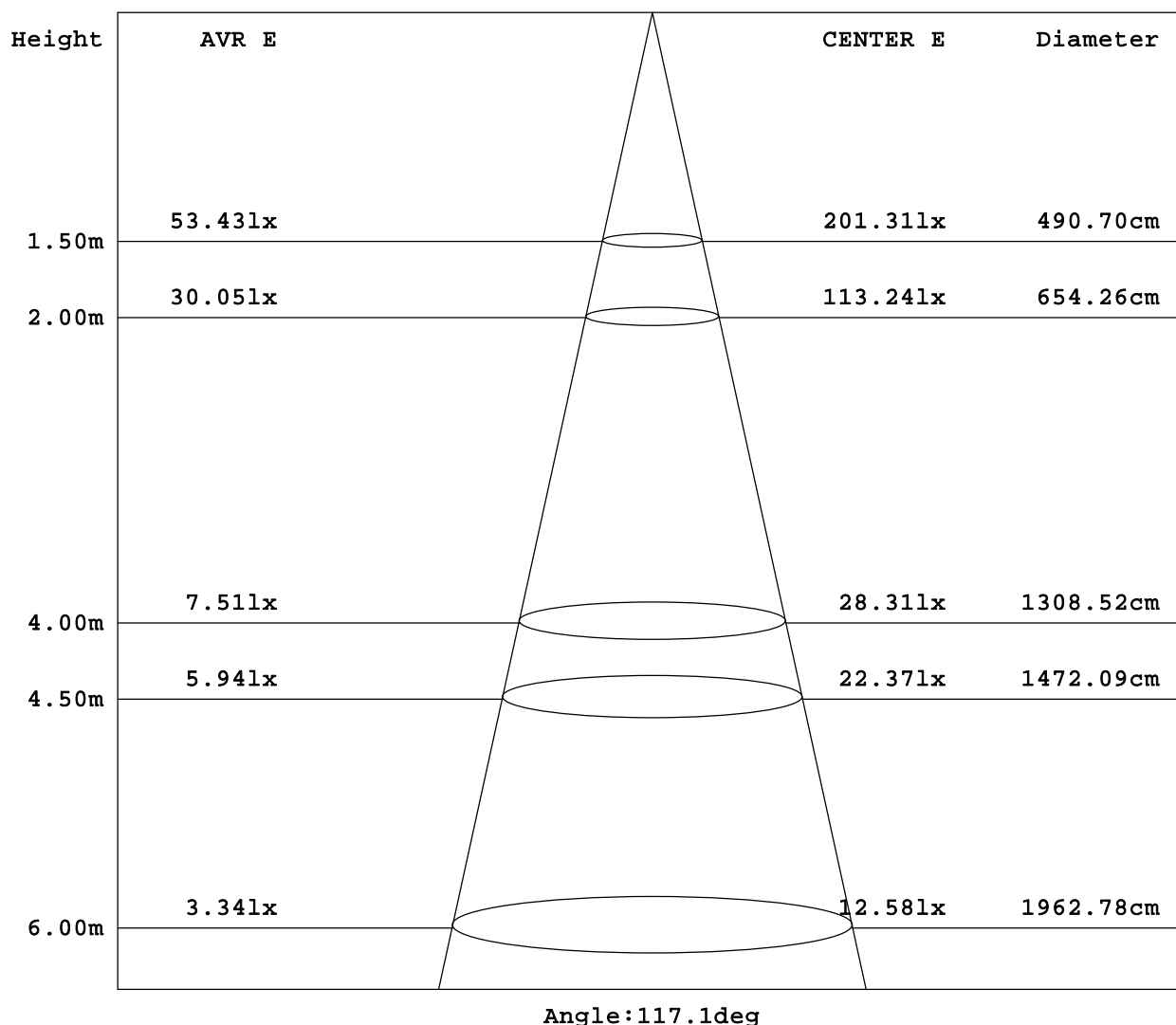
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### AVERAGE AND CENTER E Figure

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### AREA LUMINOUS FLUX

Report number:

MANUFACTURER: Havit Lighting		
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NAME: HV3670-5500K	TYPE: LED	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

90	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	0.05	0.16	0.30	0.47	0.67	0.79	0.90	1.00	1.01	0.99	0.96	0.83	0.71	0.59	0.40	0.26	0.14	0.04	10.2	1.82		
80	0.06	0.24	0.53	0.94	1.47	1.92	2.30	2.61	2.70	2.67	2.53	2.19	1.79	1.34	0.83	0.46	0.21	0.05	24.8	22.9		
70	0.07	0.33	0.82	1.56	2.55	3.50	4.28	5.04	5.27	5.20	4.87	4.10	3.30	2.36	1.42	0.73	0.29	0.06	45.8	45.2		
60	0.08	0.43	1.13	2.23	3.79	5.16	6.20	7.16	7.60	7.54	7.02	6.09	4.99	3.57	2.06	1.03	0.38	0.07	66.5	66.2		
50	0.09	0.52	1.46	2.99	4.75	6.48	7.80	8.91	9.50	9.42	8.78	7.68	6.28	4.52	2.79	1.34	0.47	0.08	83.9	83.7		
40	0.10	0.61	1.81	3.59	5.51	7.52	9.18	10.3	11.0	11.0	10.2	9.05	7.31	5.28	3.41	1.68	0.55	0.08	98.4	98.2		
30	0.10	0.68	2.07	4.01	6.14	8.29	10.2	11.5	12.3	12.2	11.4	10.0	8.06	5.95	3.86	1.95	0.62	0.09	110	110		
VERTICAL (DEG)	0.11	0.73	2.24	4.30	6.58	8.85	10.8	12.3	13.1	13.0	12.2	10.6	8.67	6.42	4.15	2.13	0.66	0.09	117	117		
	0.11	0.75	2.32	4.45	6.81	9.16	11.2	12.7	13.5	13.4	12.6	11.1	9.00	6.64	4.29	2.21	0.69	0.10	121	121		
	0.11	0.74	2.30	4.42	6.76	9.10	11.1	12.6	13.4	13.4	12.5	11.0	8.91	6.58	4.25	2.18	0.68	0.10	121	120		
	0.11	0.71	2.16	4.21	6.45	8.72	10.7	12.2	12.9	12.9	12.1	10.6	8.55	6.25	4.02	2.04	0.64	0.09	116	116		
	0.10	0.65	1.93	3.88	6.01	8.14	10.0	11.4	12.0	12.1	11.3	9.92	8.03	5.85	3.70	1.80	0.58	0.09	108	108		
-30	0.09	0.57	1.64	3.47	5.39	7.30	8.99	10.1	10.8	10.8	10.0	8.85	7.16	5.25	3.30	1.50	0.50	0.08	96.0	95.9		
-40	0.08	0.48	1.35	2.89	4.58	6.21	7.66	8.63	9.24	9.25	8.57	7.50	6.05	4.44	2.72	1.22	0.42	0.07	81.4	81.1		
-50	0.07	0.38	1.06	2.16	3.50	4.91	6.07	6.80	7.34	7.33	6.74	5.90	4.71	3.29	1.98	0.94	0.33	0.06	63.6	63.2		
-60	0.06	0.29	0.77	1.49	2.28	3.20	4.09	4.56	5.05	5.03	4.49	3.93	3.02	2.12	1.34	0.67	0.24	0.05	42.7	41.9		
-70	0.05	0.21	0.49	0.88	1.28	1.72	2.10	2.32	2.55	2.53	2.25	1.99	1.60	1.15	0.77	0.41	0.17	0.05	22.5	20.1		
-80	0.04	0.14	0.28	0.43	0.55	0.69	0.77	0.78	0.89	0.87	0.75	0.71	0.62	0.47	0.36	0.23	0.11	0.04	8.73	0.33		
-90																						
HORIZONTAL (DEG)																						
Φ t	1.50	8.61	24.7	48.4	75.1	102	125	141	151	150	140	122	98.8	72.1	45.7	22.8	7.67	1.28	1338			
Φ a	0.34	7.17	23.3	47.1	73.8	100	123	140	149	149	138	121	97.3	70.7	44.3	21.3	6.08	0.11		1313		

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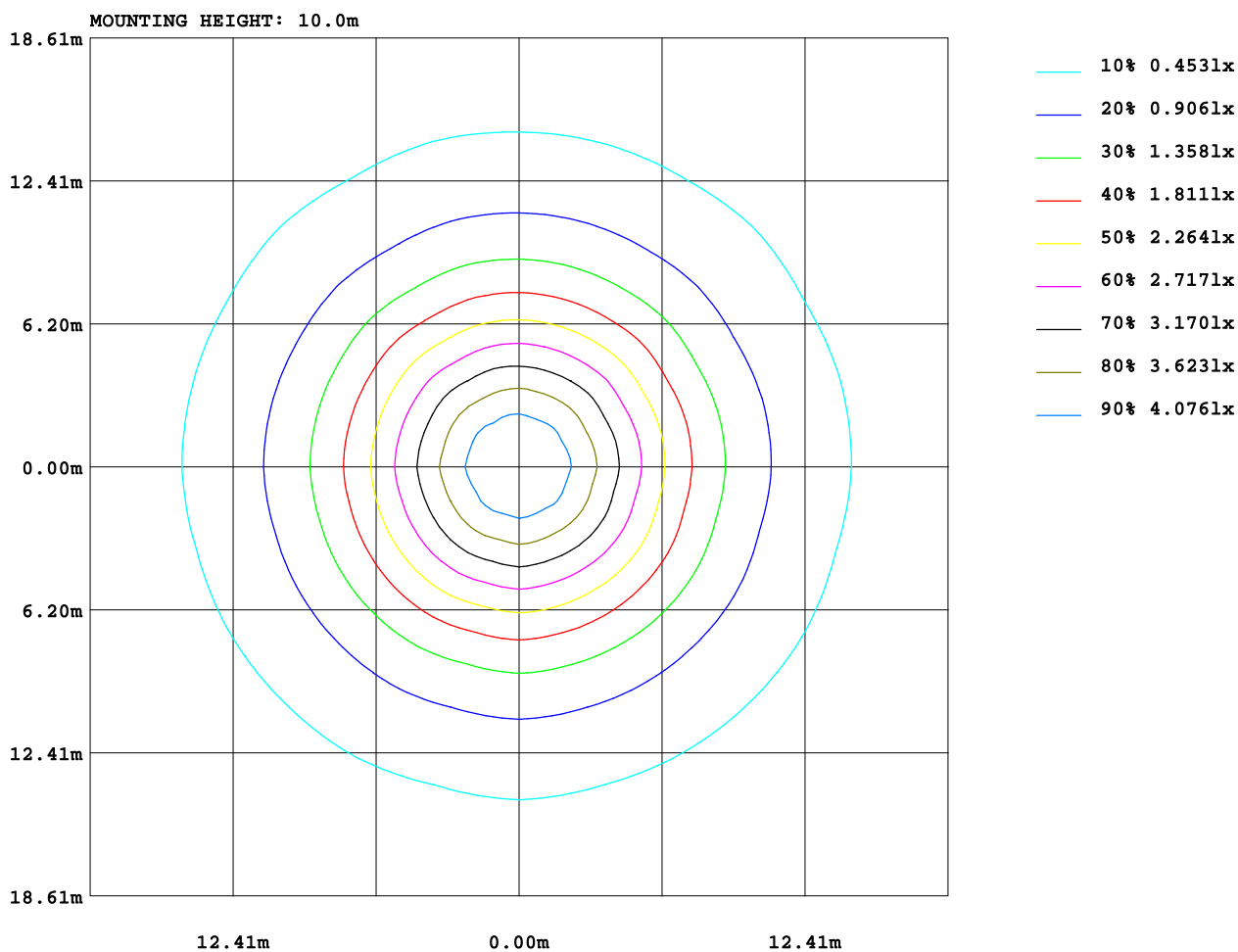
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### ISOLUX DIAGRAM

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