

IES Flood Report

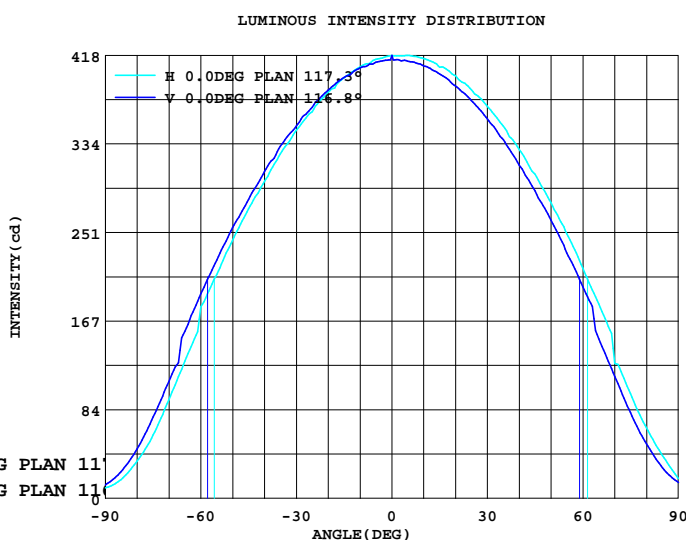
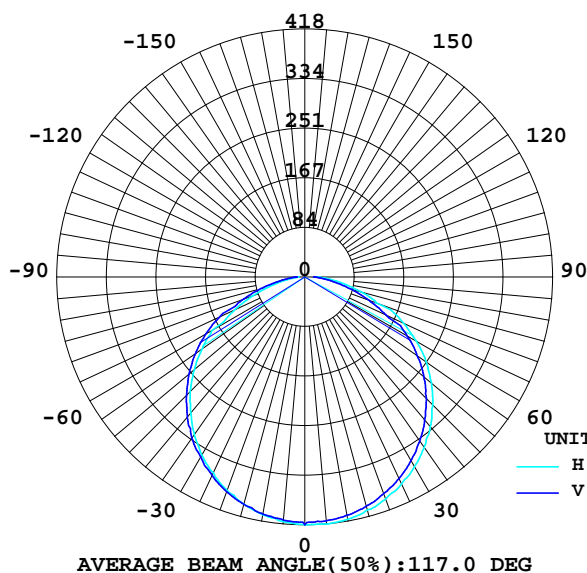
Photometric Filename: HV3670-3000K.IES

LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Havit Lighting		
Address: 143 Beauchamp Road Matraville N.S.W. Australia		
NAME: HV3670-3000K	TYPE: LED	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

MODEL:					
NOMINAL POWER(W):	32	Imax(cd):	418.0	Voltage(V)	220.1
RATED VOLTAGE(V):	220	AVAILABILITY(%):	98.1	Current(A)	0.152
NOMINAL FLUX(lm):	1222	Avai. FLUX(lm):	1199	Power(W)	32.27
TEST FLUX(lm):	1222	EFFICIENCY(%):	100.0	Power Factor(PF)	0.964
LAMPS QUANTITY :	1	TOTAL FLUX(lm):	1222	EFFICIENCY(lm/W)	37.8
Effective Flux(lm) :	1198.9	θ @50%(H, V):	117.3,116.8DEG	EEl:	0.362



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:

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Color Temperature Data List

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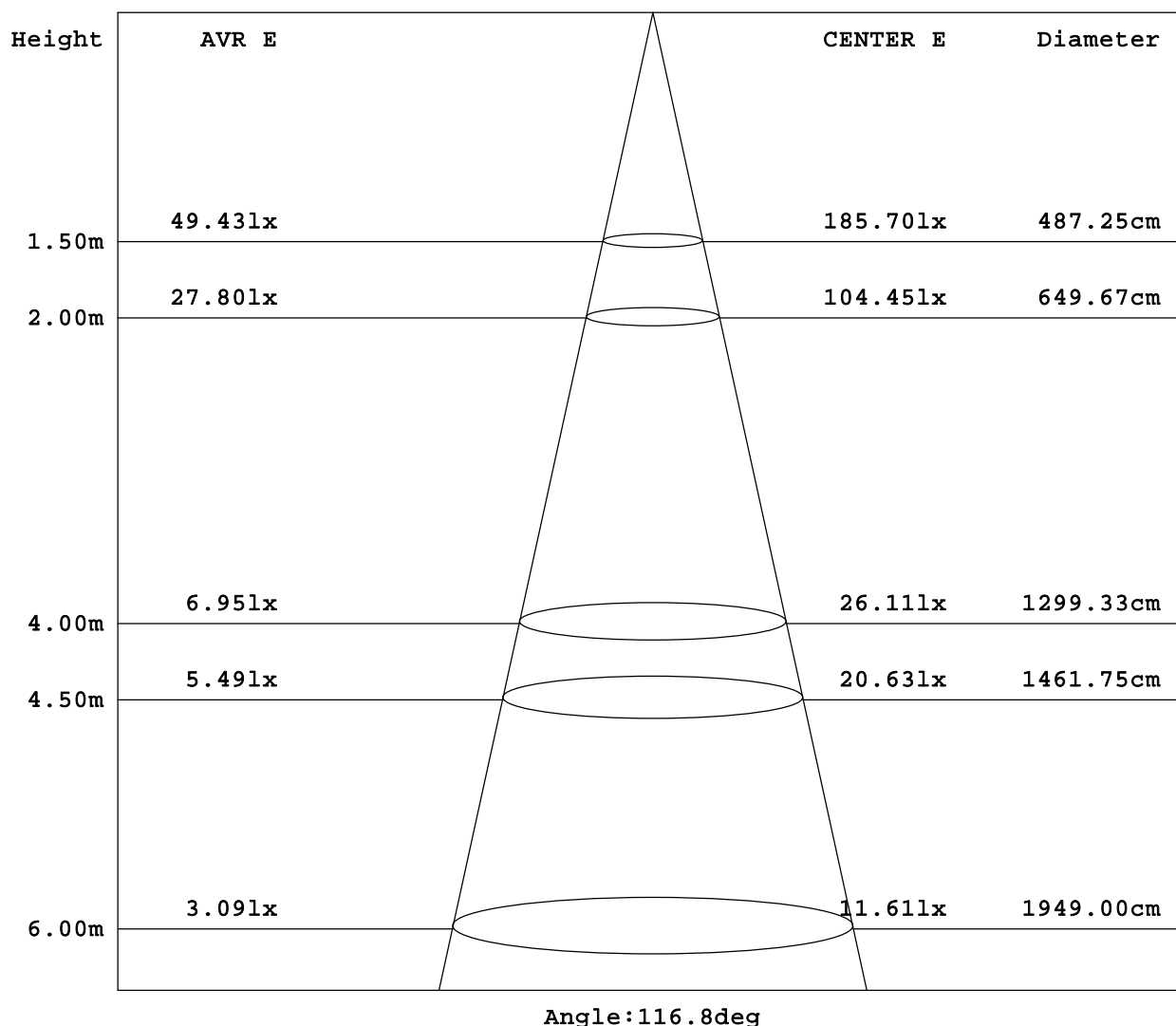
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AVERAGE AND CENTER E Figure

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AREA LUMINOUS FLUX

Report number:

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Address: 143 Beauchamp Road Matraville N.S.W. Australia		
NAME: HV3670-3000K	TYPE: LED	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

90	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	0.03	0.09	0.17	0.28	0.44	0.55	0.69	0.85	0.91	0.97	1.01	0.95	0.87	0.76	0.55	0.36	0.20	0.06	9.72	2.41		
80	0.03	0.13	0.31	0.61	1.05	1.47	1.87	2.25	2.44	2.55	2.55	2.31	1.99	1.57	1.04	0.61	0.29	0.07	23.2	21.4		
70	0.04	0.19	0.53	1.10	1.93	2.75	3.50	4.33	4.70	4.84	4.74	4.12	3.45	2.60	1.65	0.91	0.39	0.08	41.9	41.2		
60	0.04	0.26	0.78	1.66	2.95	4.33	5.38	6.40	6.95	7.04	6.70	5.95	5.01	3.73	2.27	1.22	0.49	0.09	61.3	60.9		
50	0.05	0.33	1.05	2.22	3.90	5.56	6.84	7.98	8.68	8.76	8.31	7.41	6.19	4.58	2.96	1.52	0.58	0.11	77.0	76.8		
40	0.05	0.40	1.31	2.84	4.63	6.51	8.11	9.30	10.1	10.1	9.65	8.64	7.11	5.26	3.52	1.85	0.67	0.11	90.3	90.1		
30	0.06	0.45	1.52	3.29	5.21	7.21	9.08	10.3	11.2	11.2	10.7	9.55	7.77	5.85	3.93	2.11	0.74	0.12	101	100		
VERTICAL (DEG)	0.06	0.49	1.66	3.55	5.61	7.72	9.65	11.1	11.9	12.0	11.4	10.0	8.32	6.29	4.20	2.27	0.78	0.13	107	107		
	0.06	0.51	1.70	3.69	5.83	8.01	9.99	11.4	12.3	12.4	11.7	10.4	8.66	6.52	4.34	2.35	0.80	0.13	111	111		
	0.06	0.50	1.66	3.65	5.77	7.93	9.87	11.3	12.2	12.4	11.7	10.4	8.59	6.46	4.30	2.32	0.80	0.13	110	110		
	0.06	0.47	1.56	3.42	5.45	7.54	9.44	10.9	11.7	11.9	11.3	10.0	8.23	6.15	4.08	2.18	0.76	0.12	106	105		
	0.06	0.42	1.39	3.06	5.04	7.02	8.81	10.2	10.9	11.1	10.5	9.39	7.74	5.76	3.77	1.95	0.70	0.12	98.0	97.9		
-30	0.05	0.36	1.17	2.65	4.47	6.24	7.87	9.07	9.79	9.97	9.41	8.38	6.92	5.21	3.40	1.66	0.62	0.11	87.4	87.2		
-40	0.04	0.29	0.94	2.13	3.70	5.25	6.66	7.64	8.32	8.49	8.00	7.14	5.90	4.46	2.87	1.39	0.52	0.10	73.9	73.6		
-50	0.04	0.22	0.70	1.58	2.61	3.90	5.20	5.96	6.59	6.75	6.34	5.68	4.66	3.39	2.17	1.11	0.43	0.09	57.4	57.0		
-60	0.03	0.16	0.47	1.01	1.66	2.45	3.25	3.79	4.41	4.54	4.18	3.84	3.09	2.28	1.54	0.83	0.33	0.07	38.0	37.2		
-70	0.03	0.11	0.28	0.54	0.85	1.23	1.61	1.88	2.21	2.31	2.17	2.04	1.73	1.32	0.95	0.55	0.24	0.06	20.1	17.6		
-80	0.02	0.07	0.15	0.24	0.33	0.45	0.55	0.59	0.74	0.79	0.74	0.76	0.71	0.59	0.47	0.31	0.16	0.05	7.72	0.50		
-90																						
HORIZONTAL (DEG)																						
Φ t	0.82	5.44	17.3	37.5	61.5	86.1	108	126	136	138	131	117	97.0	72.8	48.0	25.5	9.48	1.75	1222			
Φ a	0.00	3.45	15.8	36.1	60.0	84.7	107	124	135	137	130	116	95.9	71.7	47.0	24.5	8.44	0.85		1199		

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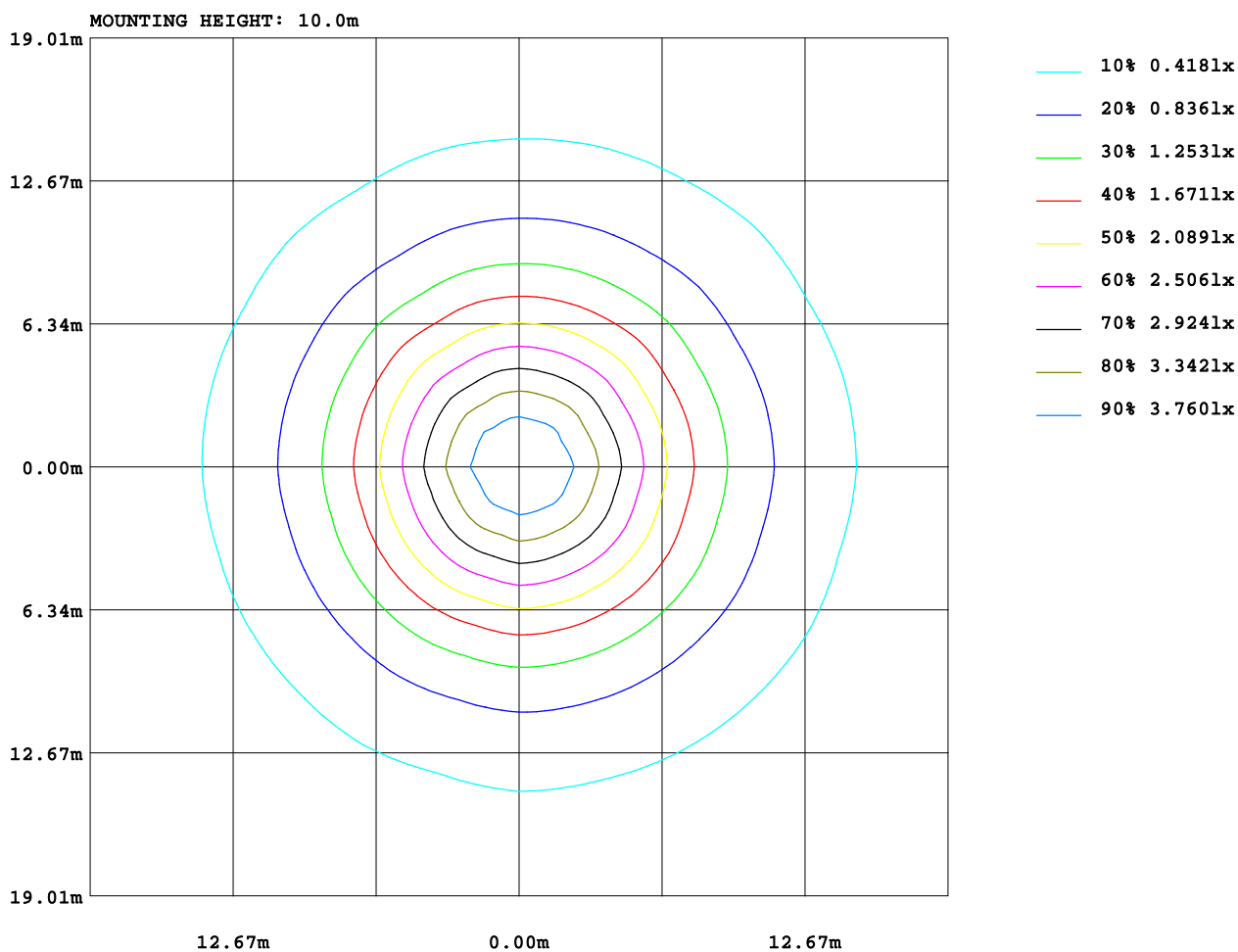
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ISOLUX DIAGRAM

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