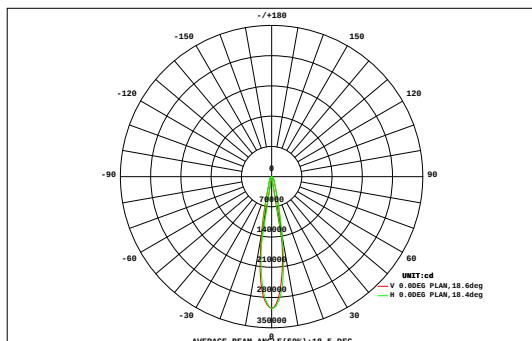


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.8V I:1.752A P:399.9W PF:0.9888 Lamp Flux:55406.2x1 lm		
NAME: Integrasports 400W 15gr 3000K	TYPE: ITSP400153000	WEIGHT:11.5KG
SPEC.:	DIM.: 495*375*157mm	SERIAL No.:1
MFR.: Integratech.:	SUR.:285*285mm	PROTECTION ANGLE:



DATA OF LAMP		Eff:138.55lm/W	
MODEL	400W	Imax(cd)	304725
NOMINAL POWER(W)	400	AVAILABILITY(%)	59.0
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	32694
NOMINAL FLUX(lm)	55406.2	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	55406
TEST VOLTAGE(V)	220	θ @50%(H,V)	19,18DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.65	2.36	4.81	8.70	15.1	23.6	32.2	40.3	46.2	46.9	42.4	34.6	25.6	16.1	8.94	4.60	1.87	0.36	355	0.00
60	0.81	2.93	6.66	13.2	24.6	40.7	57.9	74.0	85.4	87.2	78.9	63.9	45.9	27.5	14.3	6.67	2.51	0.49	633	0.00
50	0.94	3.55	8.71	18.5	36.4	63.1	95.3	127	150	153	136	106	72.2	41.8	20.7	8.98	3.14	0.59	1046	0.00
40	1.03	4.22	11.0	24.9	52.1	95.2	155	218	266	272	234	173	110	61.1	28.7	11.7	3.80	0.66	1722	0.00
30	1.10	4.88	13.4	31.7	69.1	134	230	349	470	485	377	258	155	81.7	36.9	14.3	4.42	0.72	2715	0.00
20	1.13	5.31	15.3	36.8	83.4	171	313	632	1545	1552	697	354	199	99.1	43.5	16.5	4.89	0.76	5768	2946
10	1.13	5.48	16.1	40.0	92.2	192	380	1373	6106	5826	1406	436	225	111	47.4	17.8	5.13	0.79	16282	14206
0	1.11	5.42	16.1	39.9	91.7	191	375	1296	5723	5504	1351	430	228	112	47.5	17.8	5.15	0.80	15437	13326
-10	1.05	5.21	15.1	36.5	82.1	167	304	582	1293	1319	645	343	198	100	43.3	16.5	4.93	0.76	5158	2217
-20	0.97	4.86	13.3	31.4	67.7	130	224	336	440	451	359	250	151	80.5	36.4	14.3	4.49	0.70	2594	0.00
-30	0.89	4.41	11.3	25.1	51.5	93.4	151	211	254	260	225	168	108	60.3	28.7	11.9	3.99	0.64	1669	0.00
-40	0.83	3.97	9.45	19.4	37.0	63.0	93.6	123	143	146	131	103	71.8	42.2	21.5	9.66	3.53	0.60	1023	0.00
-50	0.74	3.46	7.65	14.5	25.8	41.5	57.9	72.4	82.3	84.0	76.6	63.1	46.2	28.5	15.5	7.63	3.01	0.55	632	0.00
-60	0.63	2.88	5.85	10.1	16.7	25.1	33.5	41.0	46.4	47.0	42.8	35.5	26.8	17.6	10.3	5.63	2.40	0.46	371	0.00
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	13.0	58.9	155	351	746	1431	2502	5475	16651	16234	5803	2817	1662	880	404	164	53.2	8.87	55406	---
Φ a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2279	14151	13709	2555	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	32694

one-half-peak spread: U:8.8,D:9.7 , L:9.5,R:9.2

NEMA Beam Type: Type 3

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-12-17

V(B) Range:-70 - 70DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:11.677m [K=0.9914]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Test:U:230.8V I:1.752A P:399.9W PF:0.9888 Lamp Flux:55406.2x1 lm		
NAME: Integrasports 400W 15gr 3000K	TYPE: ITSP400153000	WEIGHT:11.5KG
SPEC.:	DIM.: 495*375*157mm	SERIAL No.:1
MFR.: Integratech.:	SUR.:285*285mm	PROTECTION ANGLE:

Conical surface Flux(90deg):

49577 lm

%lum = 89.4%

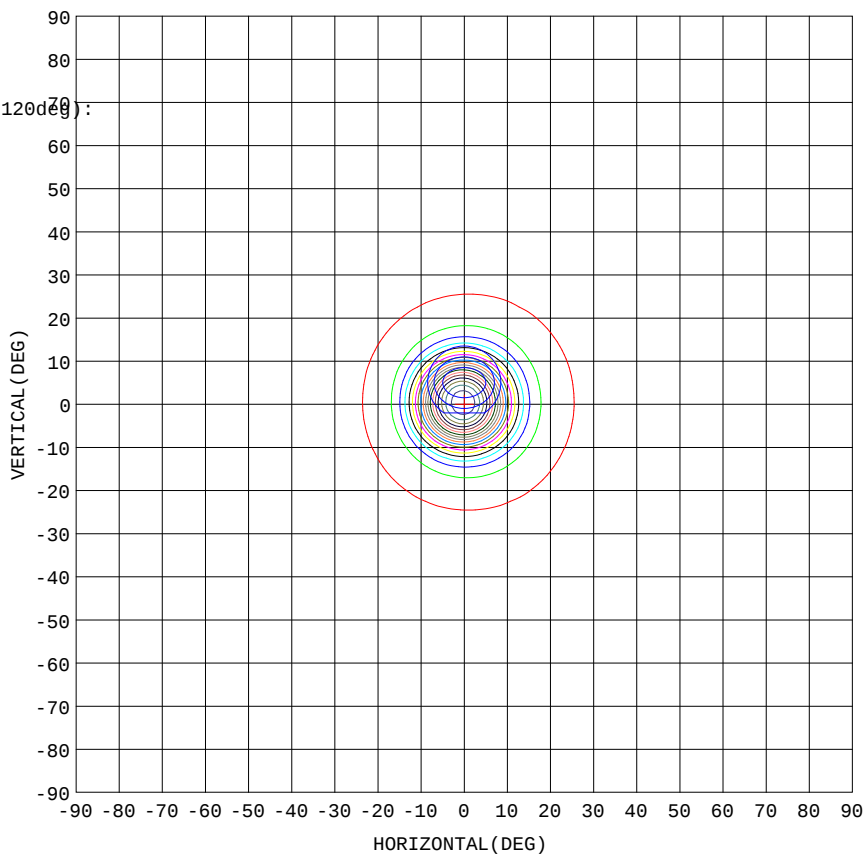
%lamp = 89.5%

Conical surface Flux(120deg):

53607 lm

%lum = 96.7%

%lamp = 96.8%



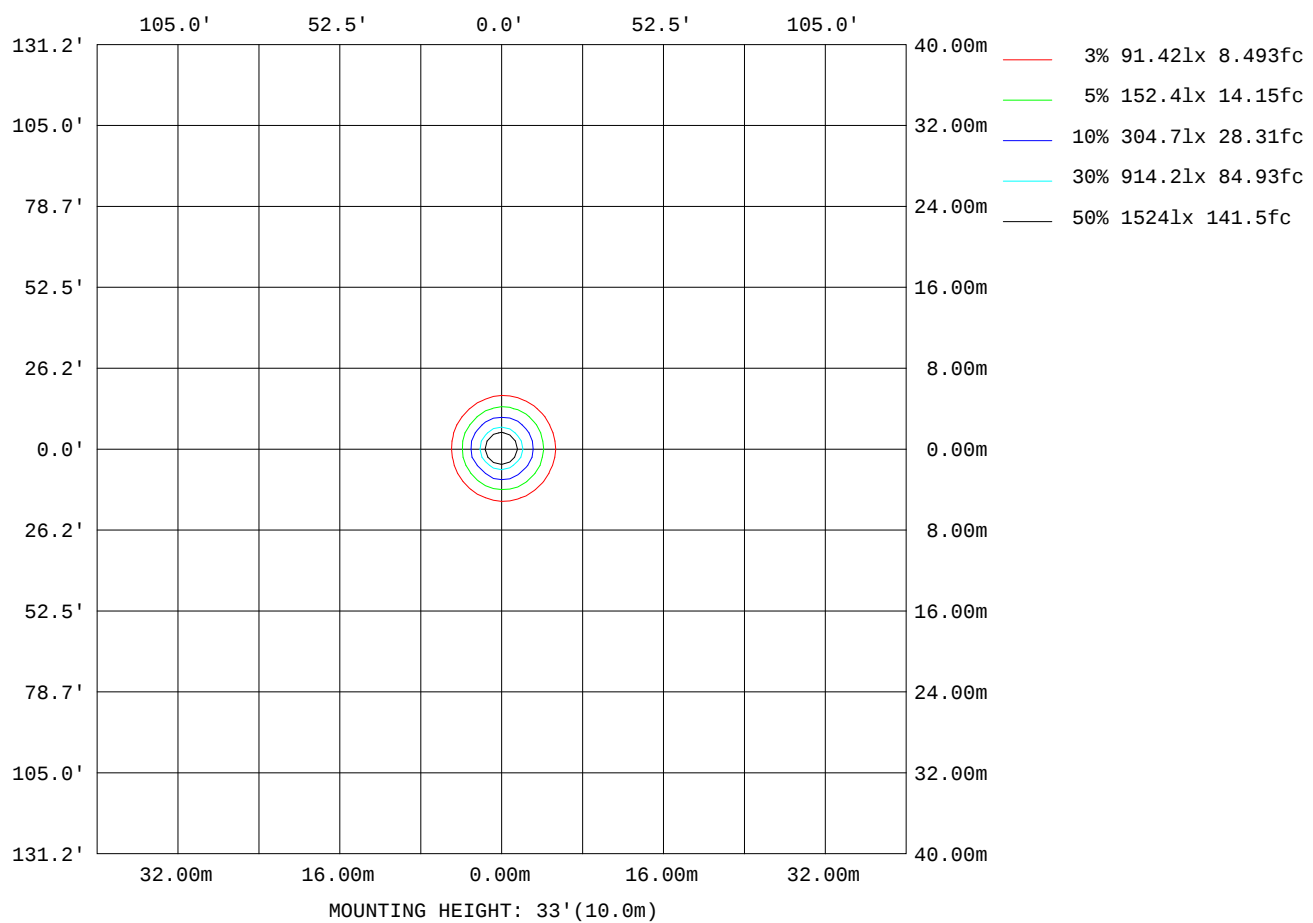
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-12-17

V(B) Range:-70 - 70DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:11.677m [K=0.9914]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

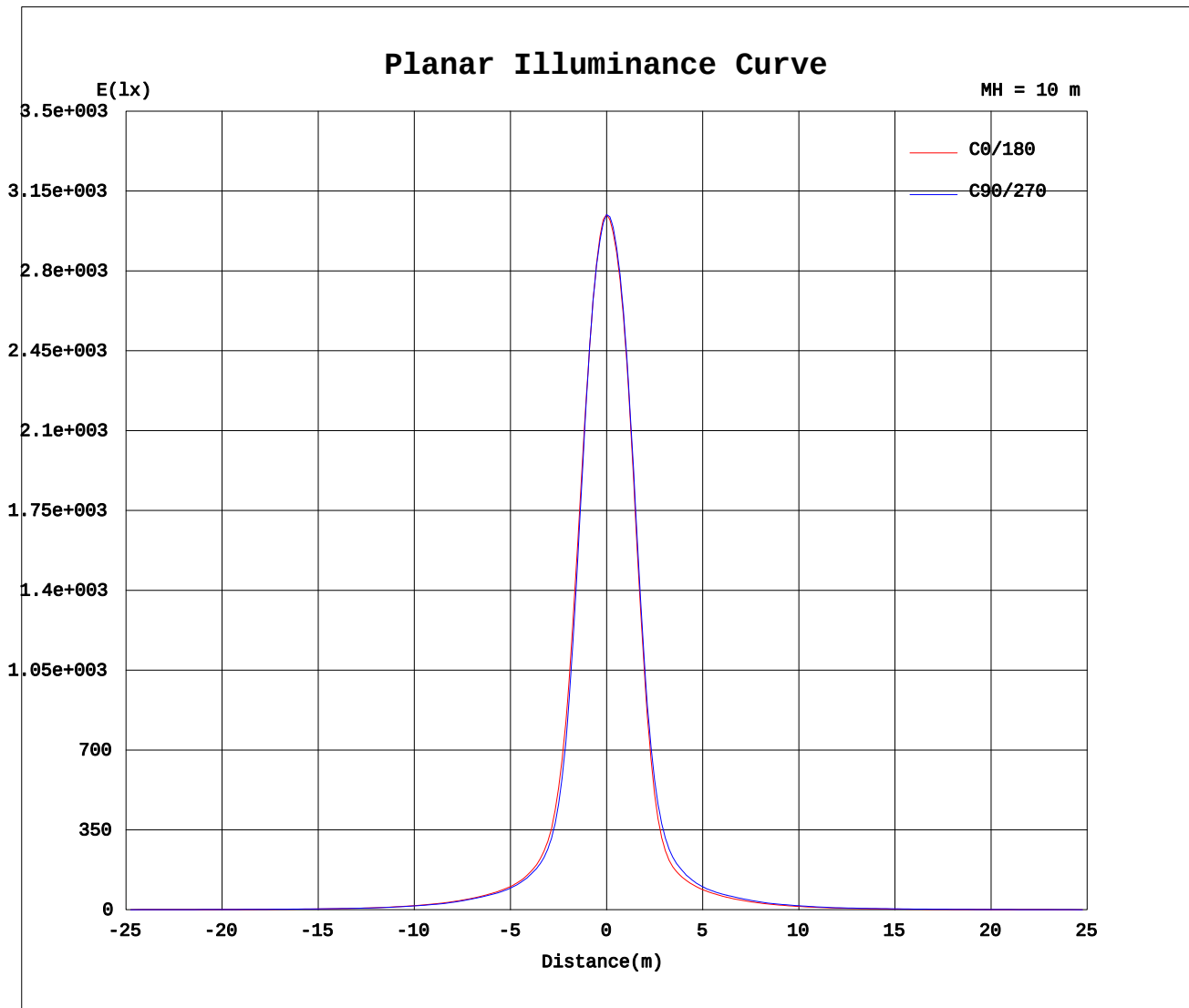
Test:U:230.8V I:1.752A P:399.9W PF:0.9888 Lamp Flux:55406.2x1 lm		
NAME: Integrasports 400W 15gr 3000K	TYPE: ITSP400153000	WEIGHT:11.5KG
SPEC.:	DIM.: 495*375*157mm	SERIAL No.:1
MFR.: Integratech.:	SUR.:285*285mm	PROTECTION ANGLE:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-12-17

V(B) Range:-70 - 70DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:11.677m [K=0.9914]
Remarks:

Planar Illuminance Curve



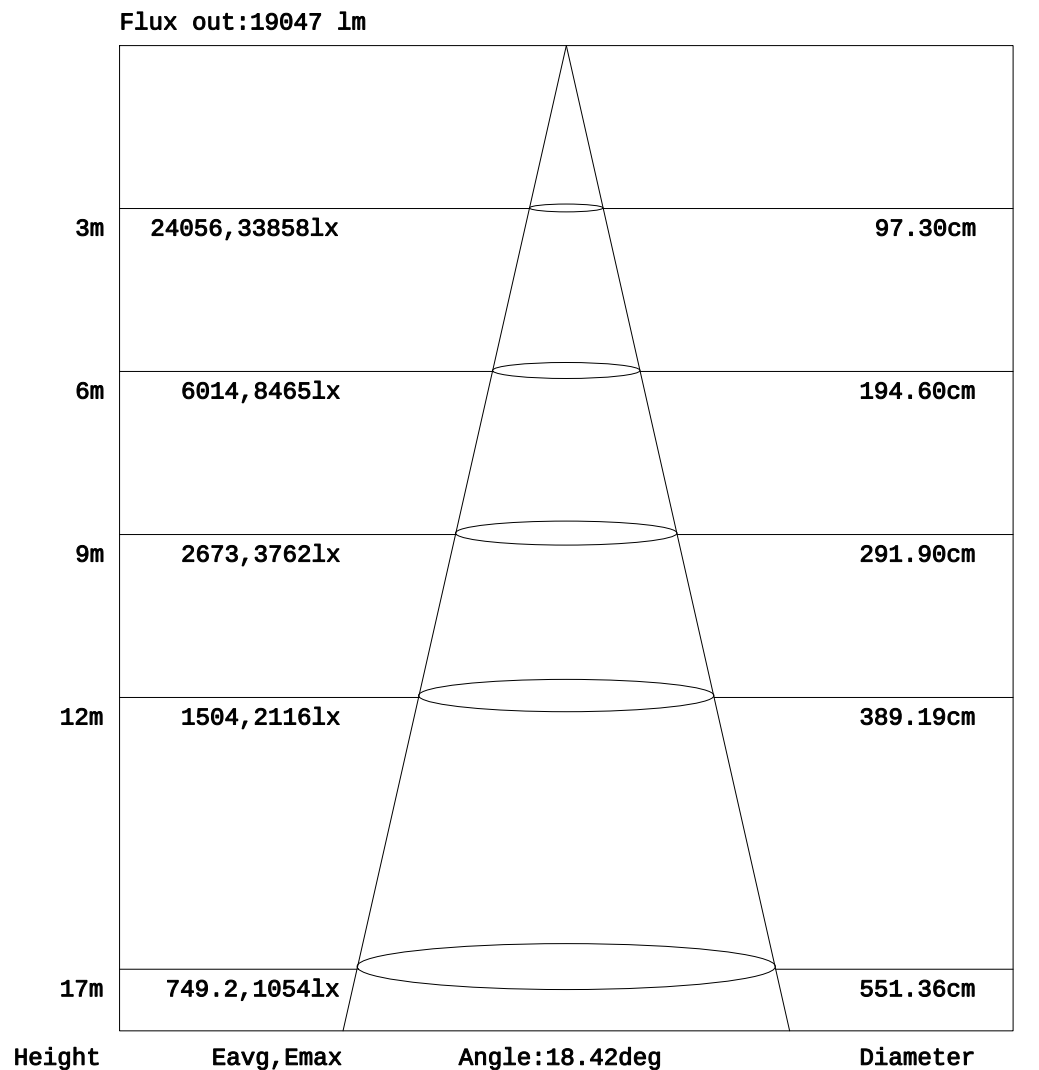
H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-12-17

V(B) Range: -70 - 70DEG
V(B) Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.290
Humidity: 65.0%
Test Distance: 11.677m [K=0.9914]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:230.8V I:1.752A P:399.9W PF:0.9888 Lamp Flux:55406.2x1 lm		
NAME: Integrasports 400W 15gr 3000K	TYPE: ITSP400153000	WEIGHT:11.5KG
SPEC.:	DIM.: 495*375*157mm	SERIAL No.:1
MFR.: Integratech.:	SUR.:285*285mm	PROTECTION ANGLE:



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-12-17

V(B) Range:-70 - 70DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:11.677m [K=0.9914]
Remarks: