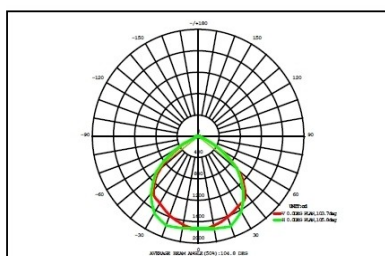


Szczegółowe testy oświetlaczy zostały przeprowadzone przez producenta SonneTech za pomocą profesjonalnego urządzenia GO-2000 firmy Evermine.



1. Luminaire photometric test report



DATA OF LAMP		SonneTech Eff:89.91lm/W	
MODEL	STH-50W-4K	Imax (cd)	1796
NOMINAL POWER (W)	50	AVAILABILITY (%)	97.9
RATED VOLTAGE (V)	220	Avai. FLUX(lm)	4325
NOMINAL FLUX(lm)	4416.6	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	4417
TEST VOLTAGE (V)	220.7	θ @50% (H,V)	99,106DEG

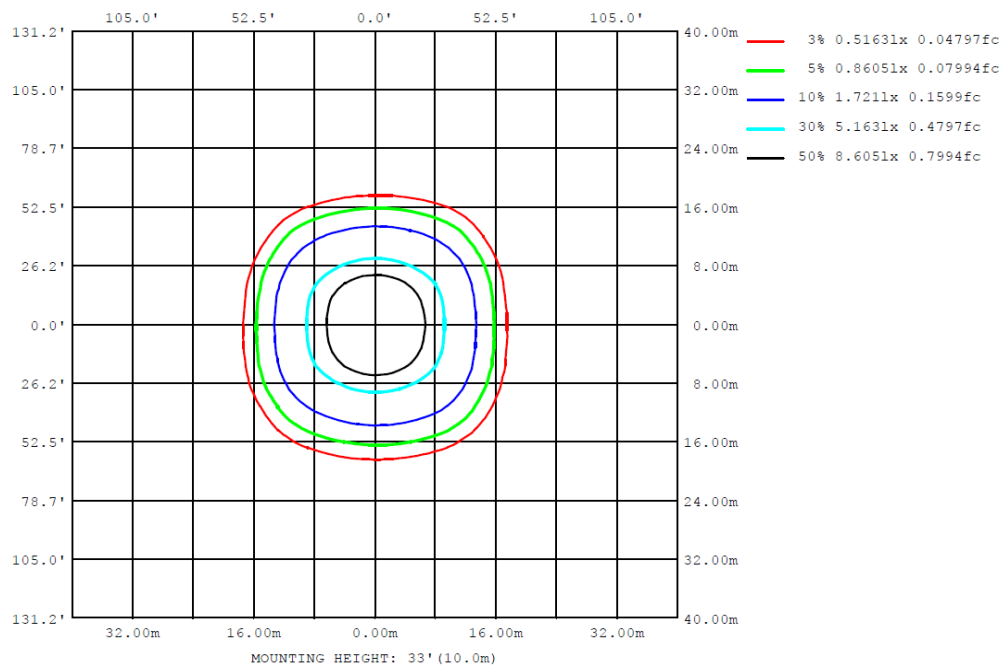
		AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
VERTICAL (DEG)	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	80	0.07	0.29	0.50	0.67	0.81	0.96	1.12	1.24	1.27	1.27	1.24	1.10	0.90	0.74	0.60	0.45	0.27	0.07	13.6	0.00
	70	0.07	0.25	0.42	0.60	1.19	2.74	4.55	5.53	6.04	6.14	5.82	5.05	3.30	1.48	0.55	0.38	0.23	0.07	44.4	32.3
	60	0.08	0.26	0.46	1.02	4.46	10.6	16.1	18.9	20.5	20.8	19.7	17.4	12.3	5.60	1.34	0.40	0.23	0.07	150	145
	50	0.08	0.27	0.49	3.09	11.3	21.7	28.5	32.5	34.9	35.2	33.3	29.6	23.5	13.1	4.05	0.52	0.24	0.07	273	269
	40	0.08	0.28	0.73	6.39	17.6	29.6	36.7	41.7	44.6	45.0	42.7	38.2	31.5	19.9	7.71	0.99	0.24	0.07	364	362
	30	0.07	0.27	1.34	8.99	22.0	34.3	42.2	48.2	51.8	52.2	49.2	43.8	36.4	24.3	10.5	1.79	0.25	0.07	428	426
	20	0.07	0.27	1.96	10.6	23.9	35.5	43.1	49.6	53.8	54.3	50.6	44.5	37.3	25.9	12.0	2.49	0.26	0.07	446	444
	10	0.07	0.28	2.33	11.4	24.2	34.9	41.6	47.8	51.9	52.4	48.8	43.1	36.8	26.3	12.9	2.94	0.28	0.07	438	437
	0	0.08	0.29	2.44	11.5	24.3	34.9	41.7	47.7	51.7	52.2	48.9	43.2	37.0	26.4	13.0	2.97	0.30	0.08	439	437
	-10	0.08	0.31	2.16	10.8	23.8	34.9	42.1	48.3	52.5	53.0	49.6	43.9	37.2	26.0	12.3	2.70	0.32	0.08	440	438
	-20	0.08	0.32	1.68	9.50	22.5	34.5	42.3	48.4	52.1	52.5	49.6	44.2	36.9	24.7	10.8	2.06	0.34	0.09	433	430
	-30	0.08	0.33	1.07	7.22	19.0	31.0	38.4	43.7	46.7	47.1	44.8	40.2	33.2	21.1	8.35	1.29	0.34	0.09	384	381
	-40	0.08	0.32	0.67	4.27	13.1	23.6	30.2	34.5	36.9	37.3	35.6	31.9	25.6	14.8	4.94	0.71	0.34	0.09	295	292
	-50	0.08	0.30	0.59	1.61	6.43	13.9	19.5	22.5	24.3	24.7	23.5	20.9	15.6	7.54	1.91	0.60	0.33	0.09	184	179
	-60	0.08	0.29	0.55	0.71	1.81	4.41	7.29	8.60	9.29	9.36	8.85	7.72	4.70	1.89	0.71	0.59	0.31	0.09	67.2	52.5
	-70	0.07	0.27	0.50	0.74	0.75	0.73	0.86	0.98	1.03	1.05	1.01	0.90	0.76	0.73	0.76	0.53	0.30	0.08	12.0	0.00
	-80	0.03	0.13	0.24	0.32	0.41	0.47	0.48	0.47	0.46	0.47	0.47	0.47	0.47	0.42	0.33	0.24	0.14	0.03	6.04	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
		HORIZONTAL (DEG)																		Φ t	Φ a
		1.24	4.72	18.1	89.4	217	349	437	501	540	545	514	456	374	241	103	21.7	4.69	1.26	4417	---
		0.00	0.00	8.76	82.3	211	344	433	496	535	540	509	452	369	235	96.2	13.0	0.00	0.00	---	4325

one-half-peak spread: U:33.2,D:31.5 , L:51.4,R:48.0NEMA Beam Type: Type 6 x 7 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators: SonneTech
Test Date:2015-11-16

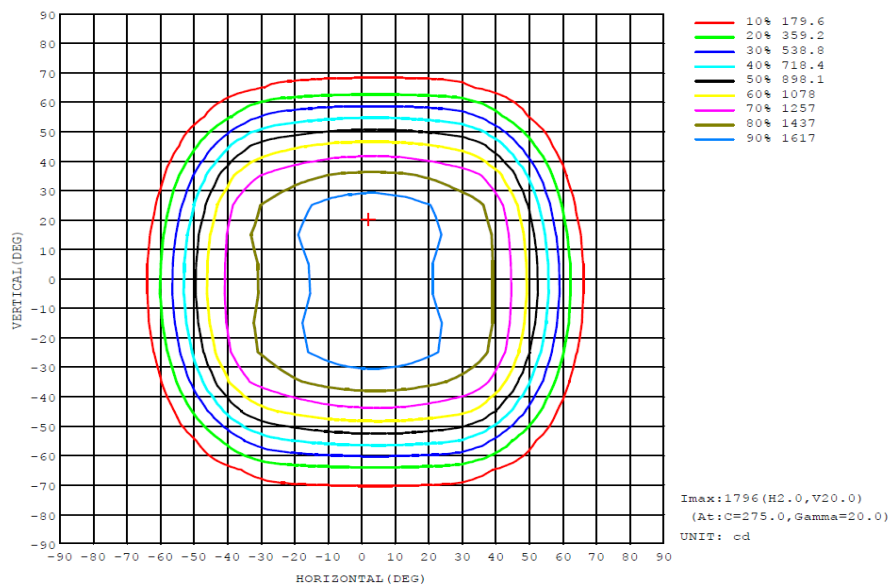
V(β) Range:-80 - 80DEG
V(β) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.279
Humidity:65.0%
Test Distance:14.420m [K=1.0000]
Remarks:

2. Isolux diagram

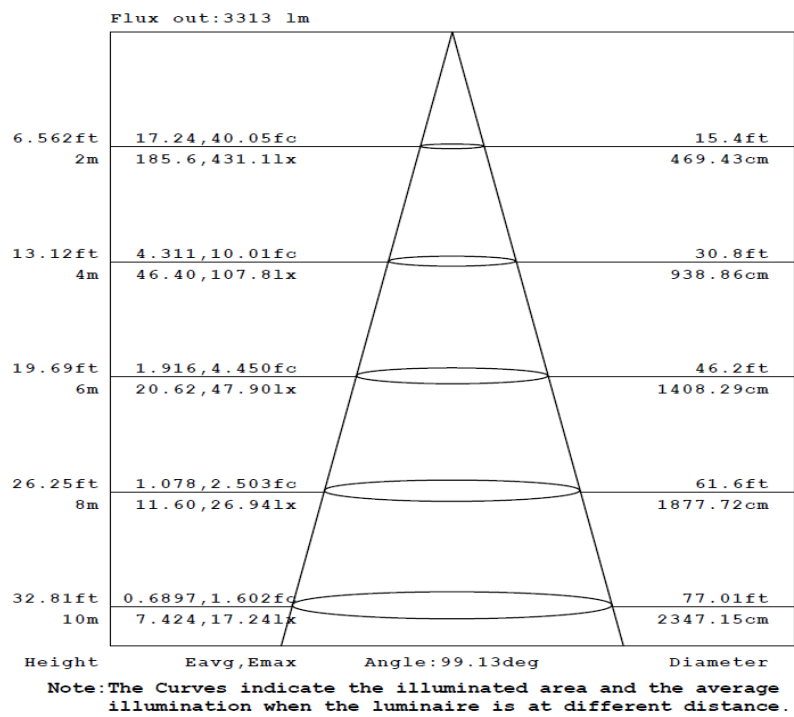


3. Izokandela diagram

Wykres przedstawia rozkład linii o jednakowej światłości.



4. AAI figure



5. Plannar illuminance curve

