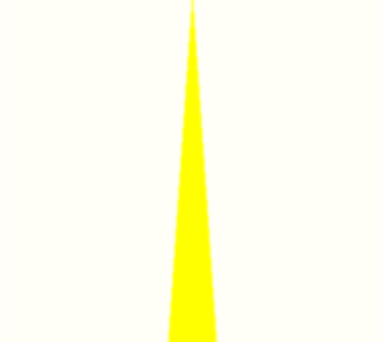
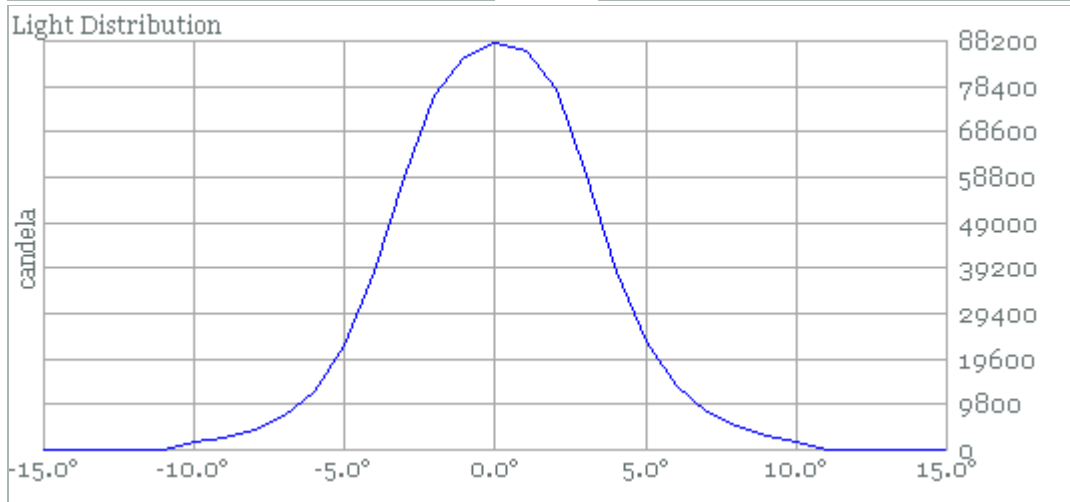
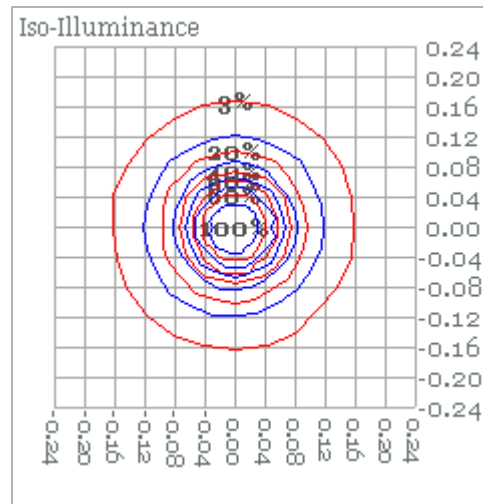
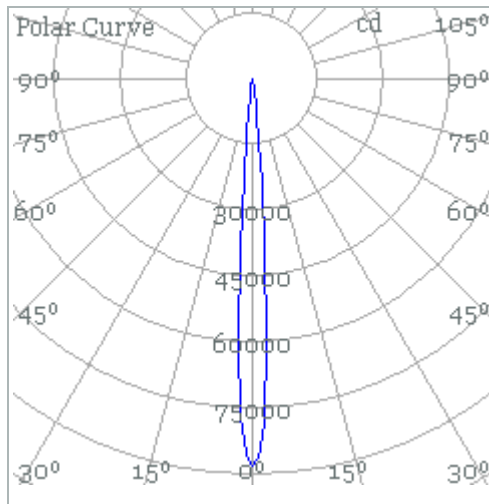



Exterior Wash 100 Photometrics

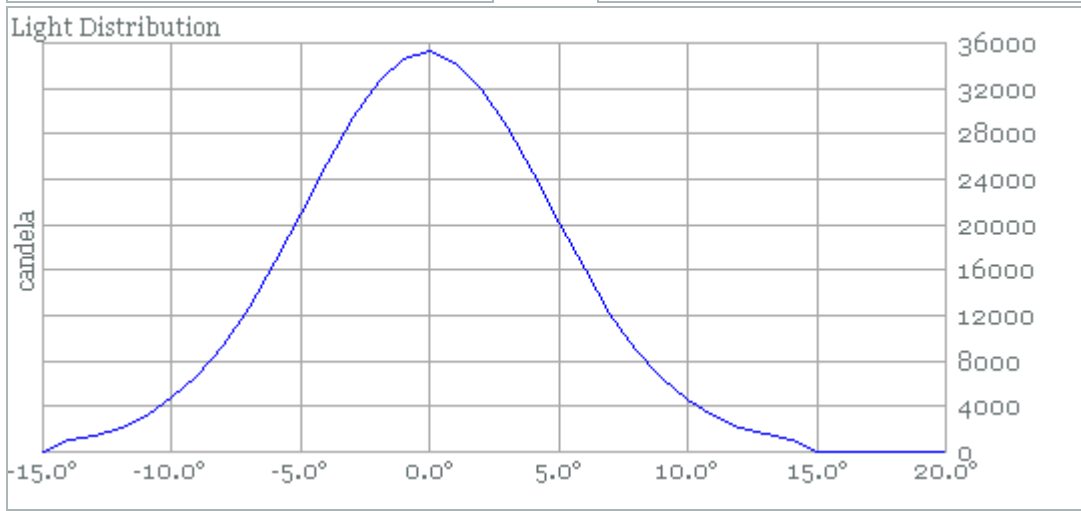
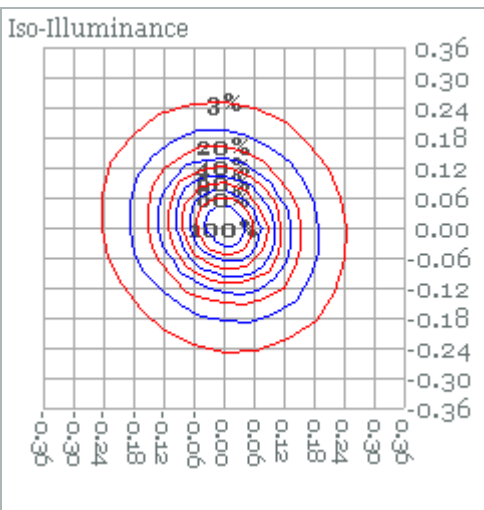
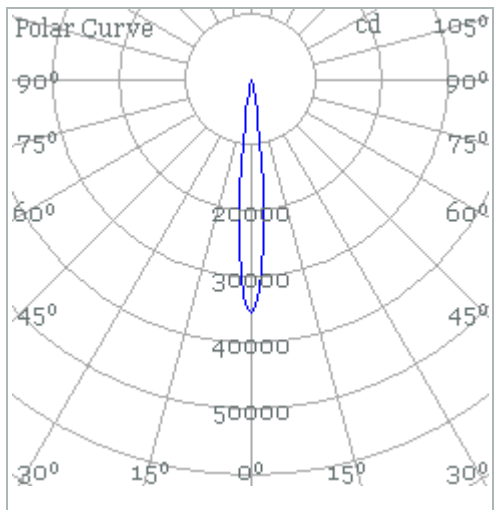
Standard (All LEDs on. No Diffuser.) (7.5°)

m.	Ø 50%	7.5°	E (lux)	Efficacy
5	0.7		3520	41.9 lumens per watt
10	1.3		880	Half-peak diameter
20	2.6		220	0.13 X distance(m)
30	3.9		98	Illuminance
50	6.6		35	88000 / distance ² (lux)
				Total Output
				1800 (lumens)

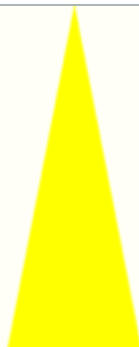


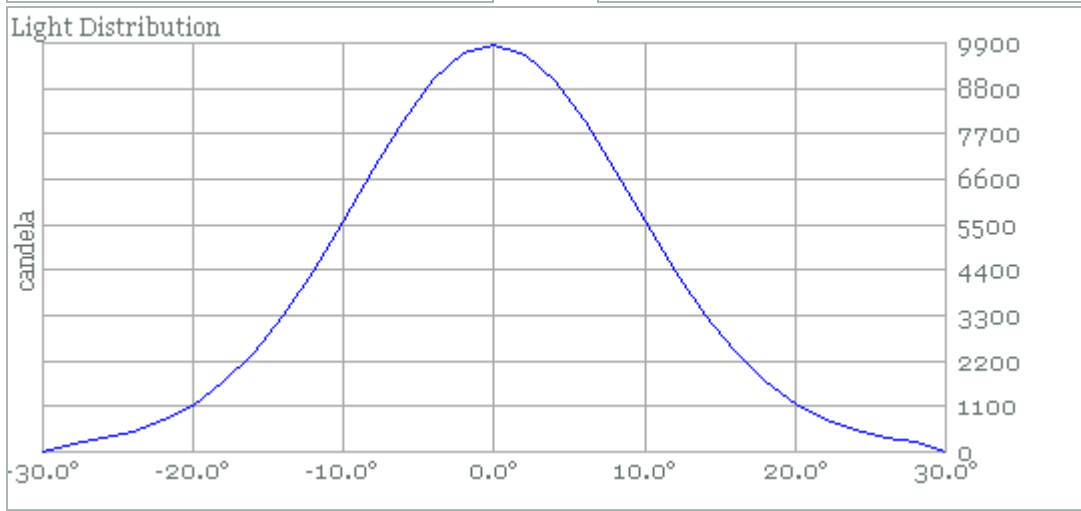
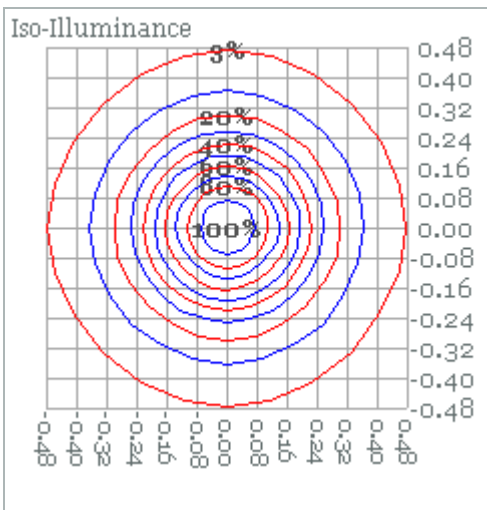
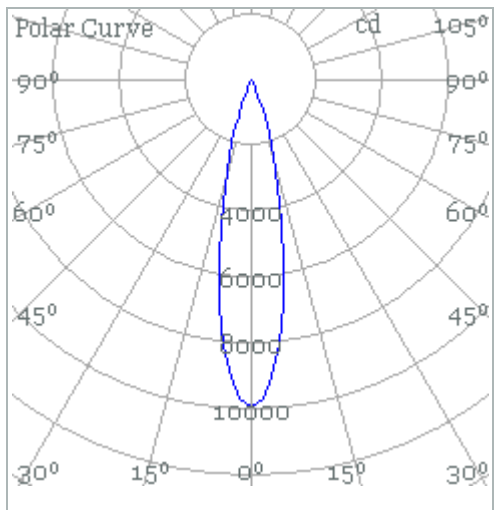
Narrow (All LEDs on. Narrow Diffuser) (11.5°)

m.	Ø 50%	11.5°	E (lux)	Efficacy
5	1.0		1400	39.6 lumens per watt
10	2.0		350	Half-peak diameter
20	4.0		88	0.20 X distance(m)
30	6.0		39	Illuminance
50	10.1		14	35000 / distance ² (lux)
				Total Output
				1700 (lumens)




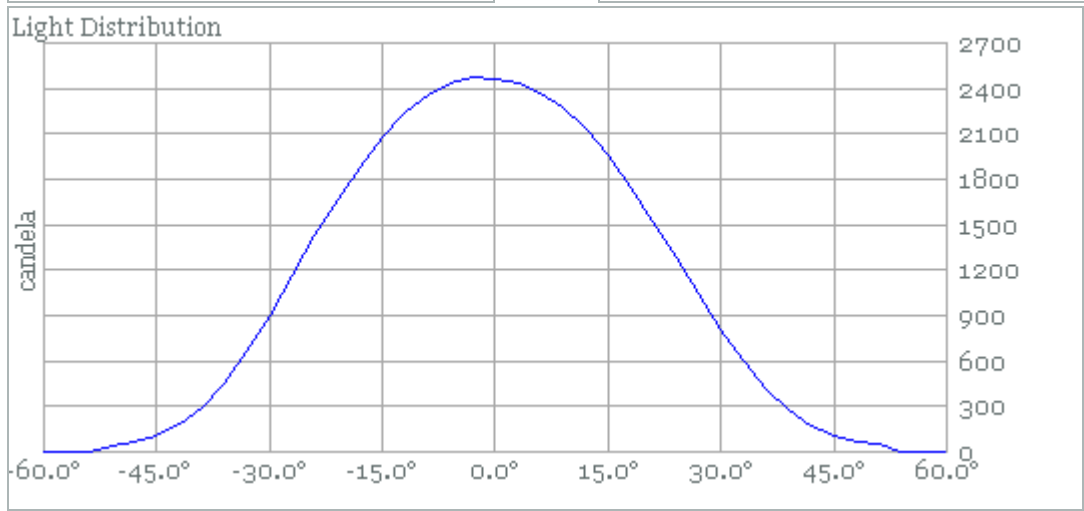
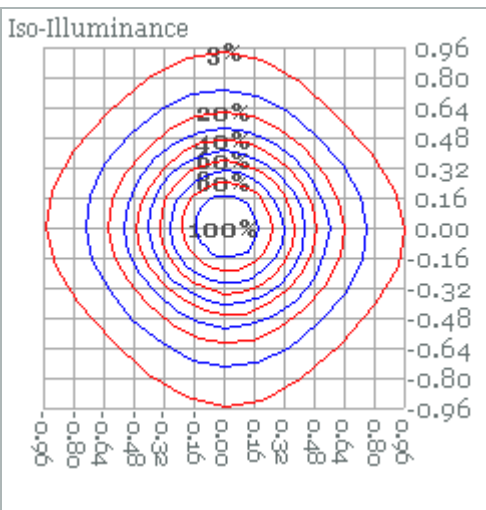
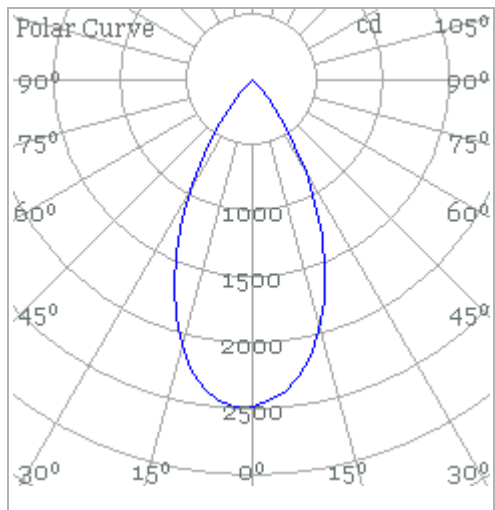
Medium (All LEDs on. Medium Diffuser.) (22°)

m.	Ø 50%	22°	E (lux)	Efficacy
5	1.9		396	40.2 lumens per watt
10	3.9		99	Half-peak diameter
20	7.8		25	0.39 X distance(m)
30	11.7		11	Illuminance
50	19.4		4	9900 / distance ² (lux)
				Total Output
				1700 (lumens)

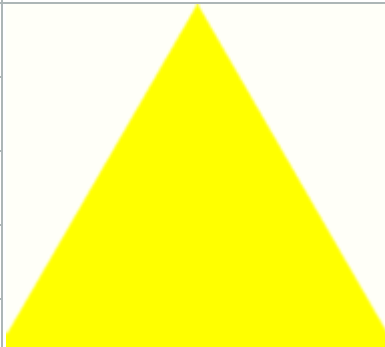


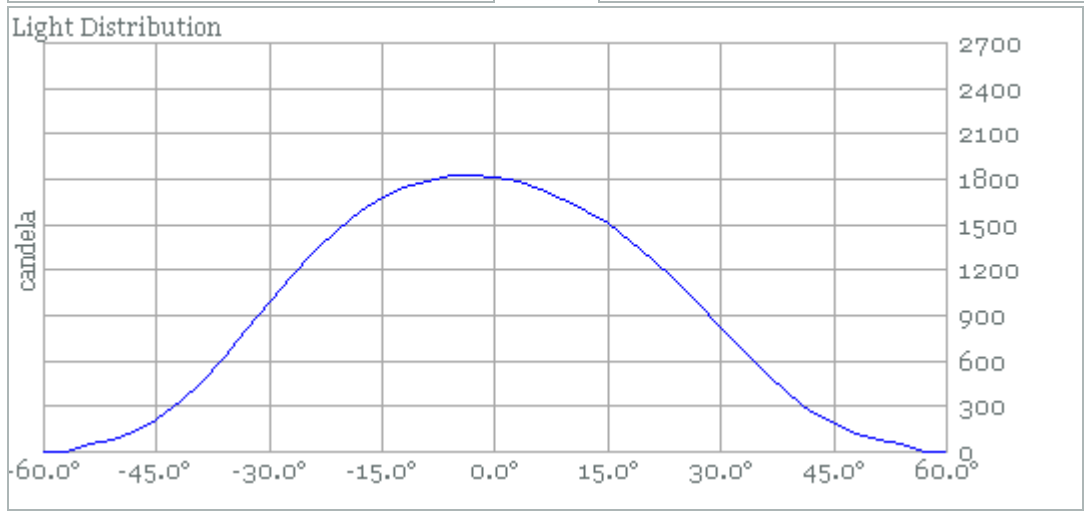
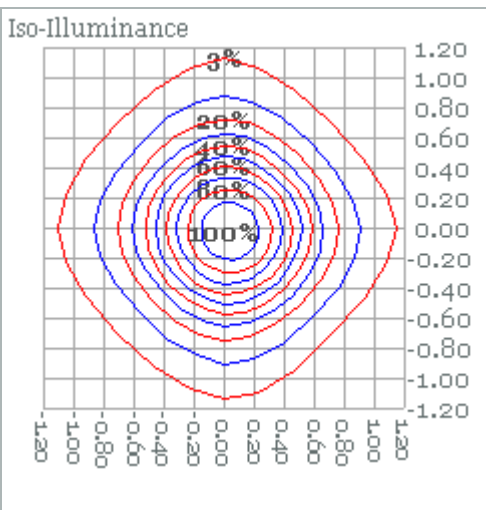
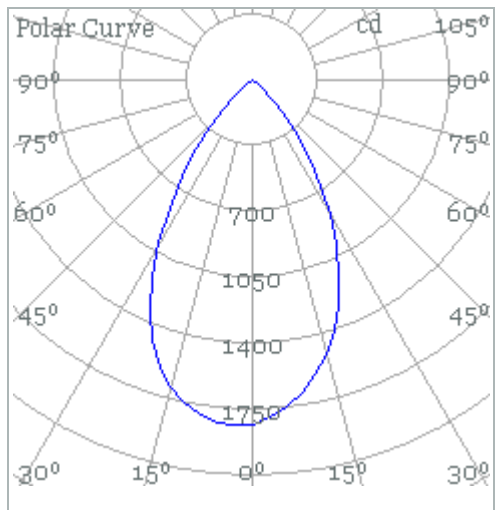
Wide (All LEDs on. Wide Diffuser.) (50°)

m.	Ø 50%	50°	E (lux)	Efficacy
5	4.7		100	41.8 lumens per watt
10	9.3		25	Half-peak diameter
20	18.7		6	0.93 X distance(m)
30	28.0		3	Illuminance
50	46.6		1	2500 / distance ² (lux)
				Total Output
				1800 (lumens)

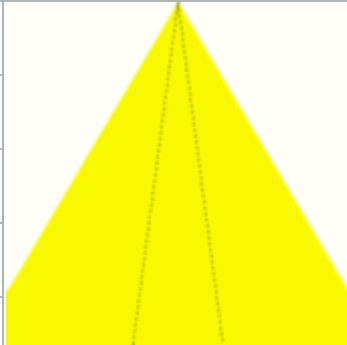


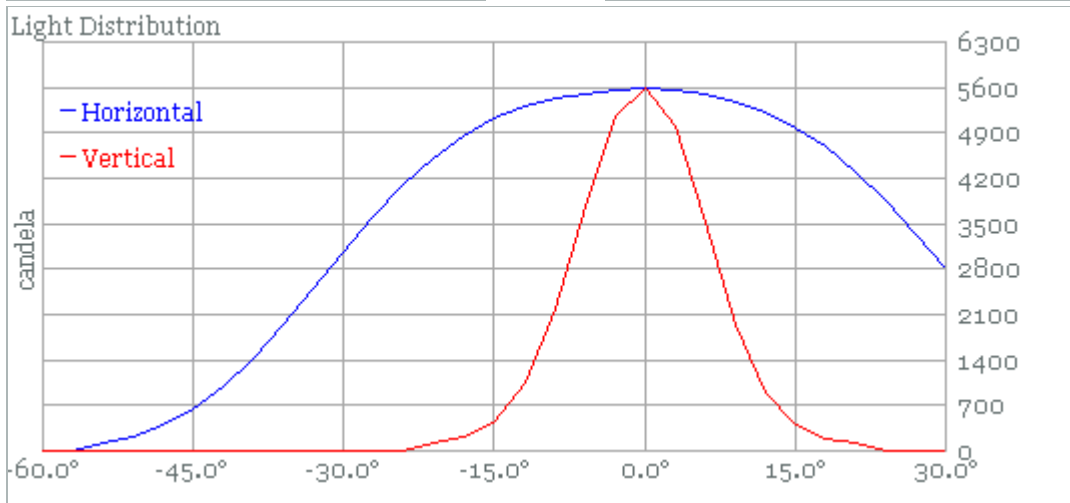
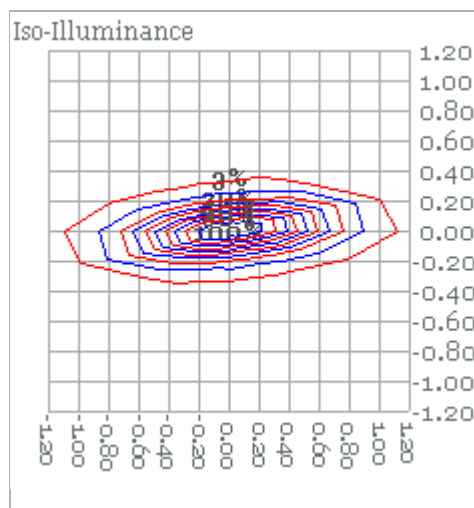
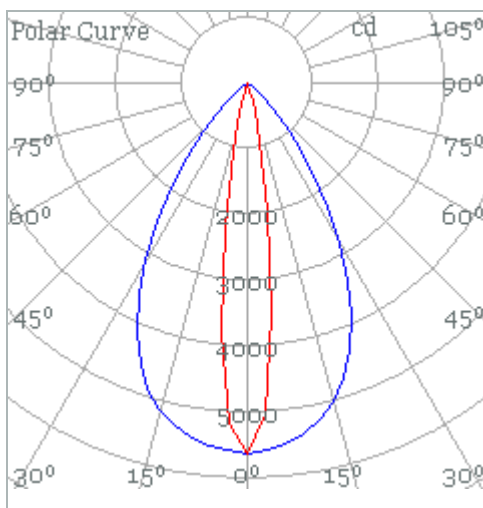
Very Wide (All LEDs on. Very Wide Diffuser.) (60°)

m.	Ø 50%	60°	E (lux)	Efficacy
5	5.8		72	42.1 lumens per watt
10	11.5		18	Half-peak diameter
20	23.1		5	1.15 X distance(m)
30	34.6		2	Illuminance
50	57.7		1	1800 / distance ² (lux)
				Total Output
				1800 (lumens)




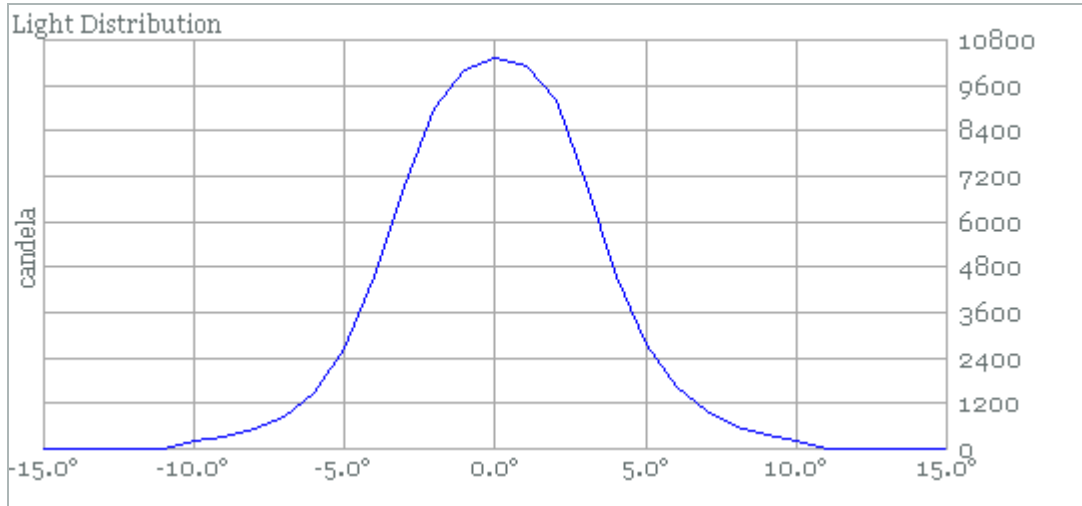
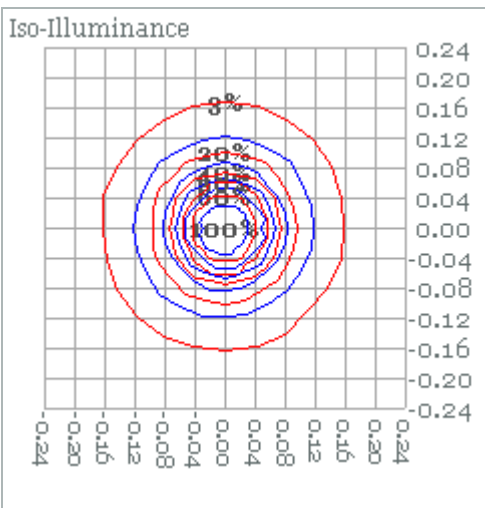
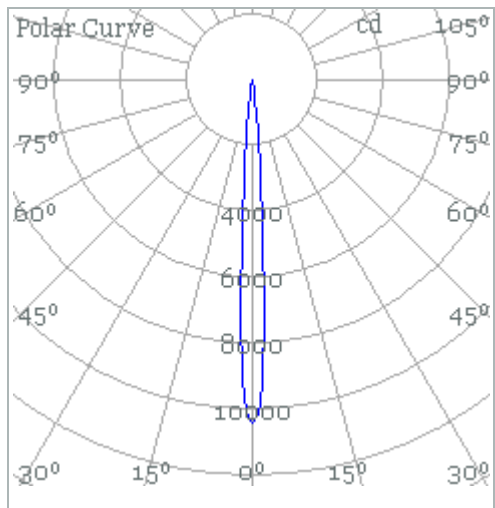
Standard with ellipsoidal beamshaper (All LEDs on. Asymmetric Diffuser.) (61° X 15°)

m.	Ø 50%		61° 15°	E (lux)	Efficacy
	C ₀	C ₉₀			41.1 lumens per watt
5	5.9	1.3		224	Half-peak diameter C ₀
10	11.8	2.6		56	1.18 X distance(m)
20	23.6	5.3		14	Half-peak diameter C ₉₀
30	35.3	7.9		6	0.26 X distance(m)
50	58.9	13.2		2	Illuminance
					5600 / distance ² (lux)
					Total Output
					1700 (lumens)

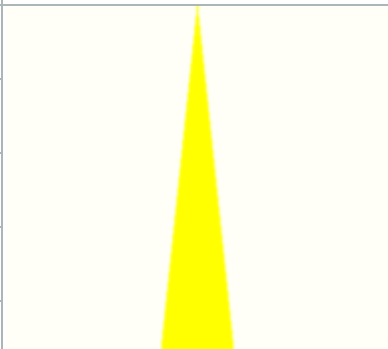


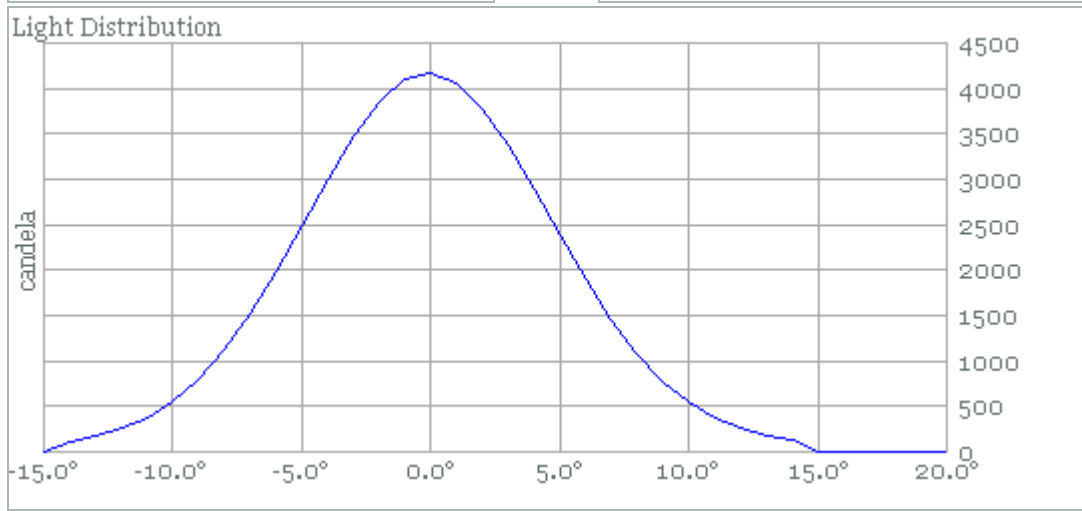
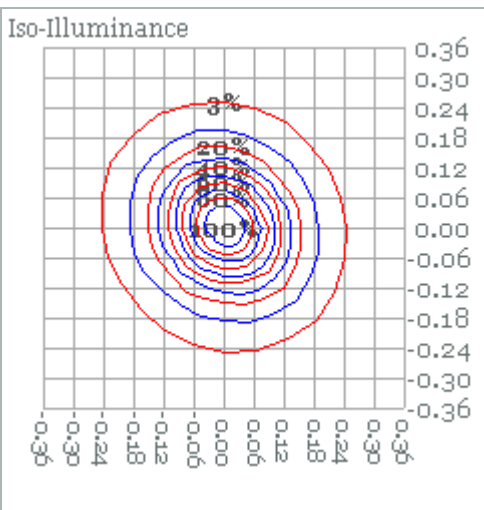
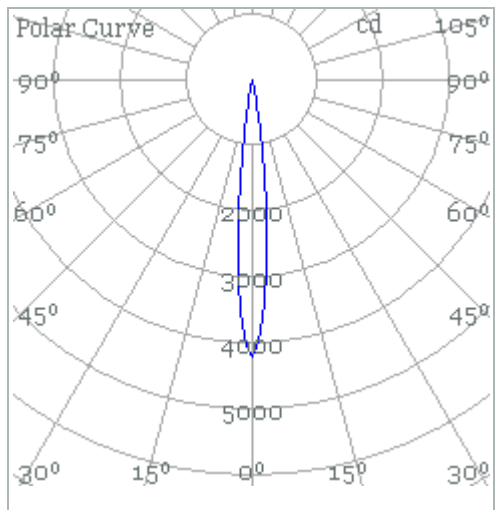
Standard (Only Red LEDs on. No Diffuser.) (7.5°)

m.	Ø 50%	7.5°	E (lux)	Efficacy
5	0.7		400	16 lumens per watt
10	1.3		100	Half-peak diameter
20	2.6		25	0.13 X distance(m)
30	3.9		11	Illuminance
50	6.6		4	10000 / distance ² (lux)
				Total Output
				210 (lumens)




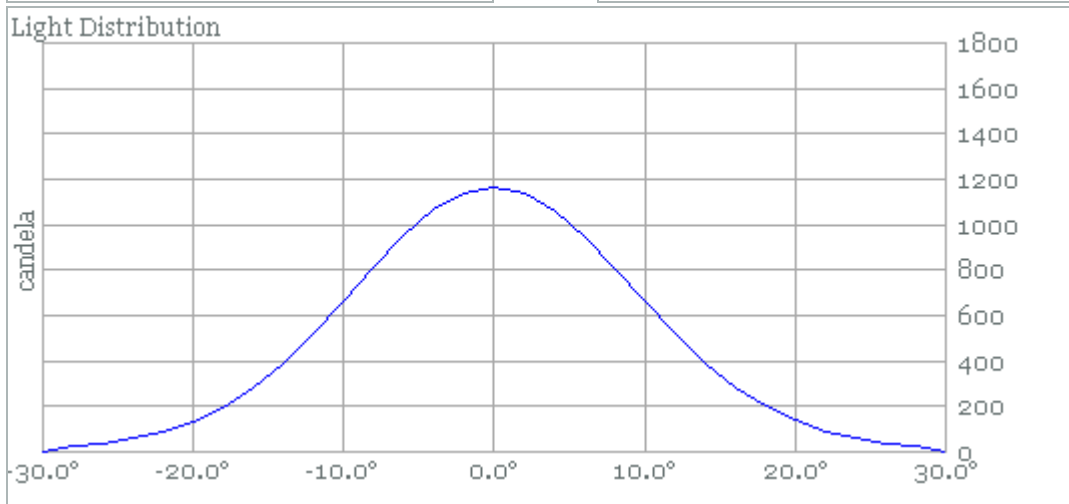
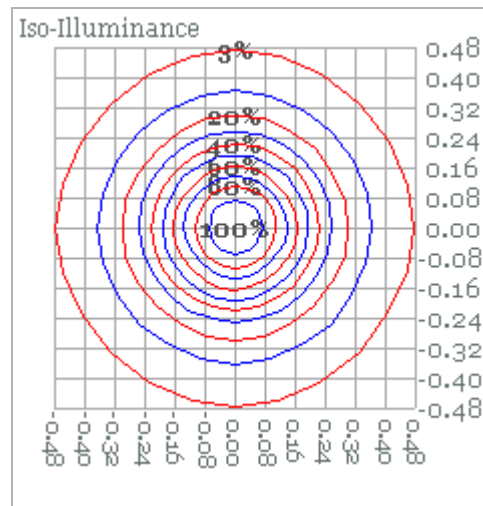
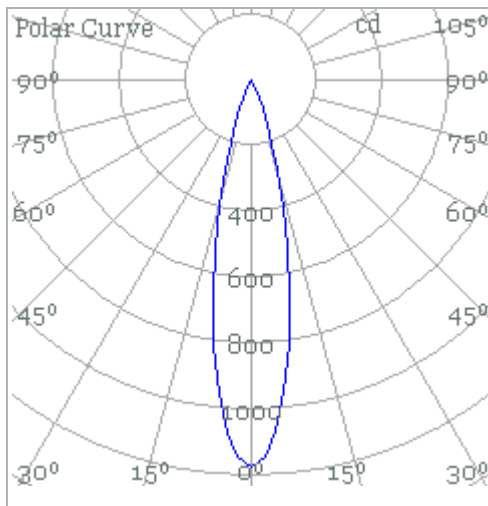
Narrow (Only Red LEDs on. Narrow Diffuser.) (11.5°)

m.	Ø 50%	11.5°	E (lux)	Efficacy
5	1.0		168	15.1 lumens per watt
10	2.0		42	Half-peak diameter
20	4.0		11	0.20 X distance(m)
30	6.0		5	Illuminance
50	10.1		2	4200 / distance ² (lux)
				Total Output
				200 (lumens)




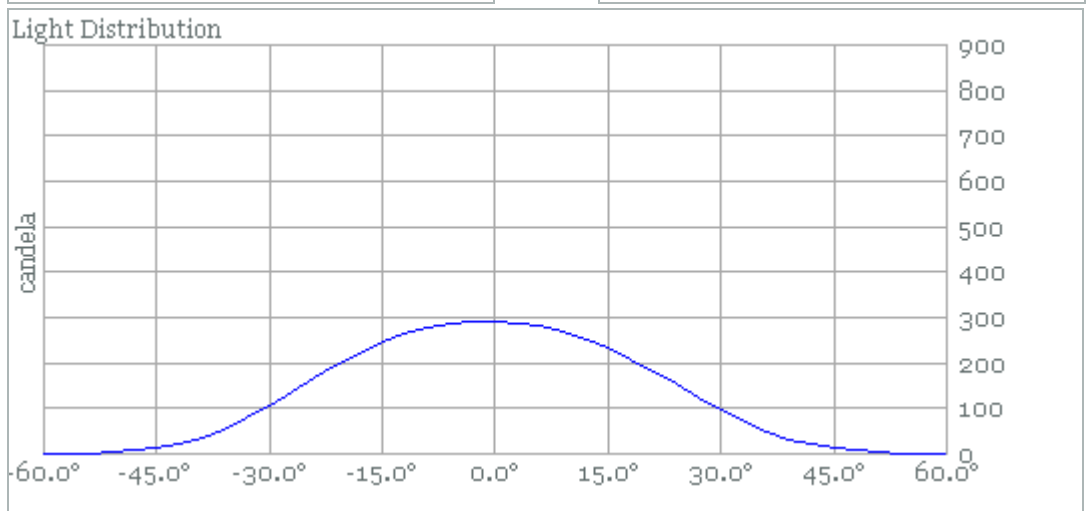
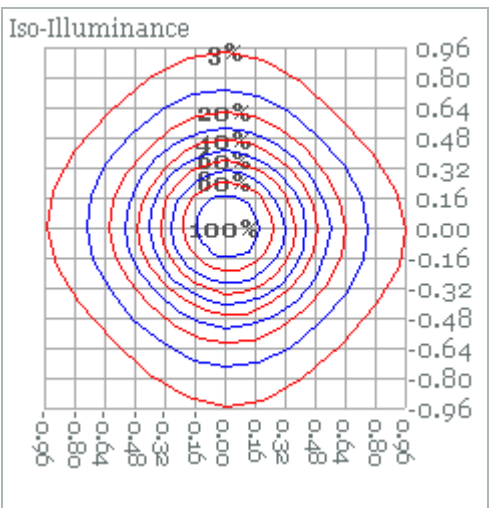
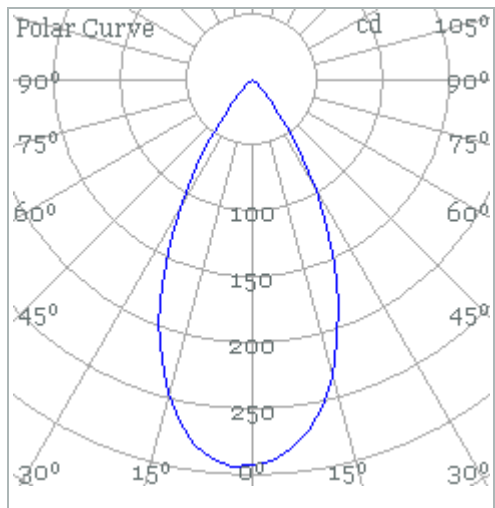
Medium (Only Red LEDs on. Medium Diffuser.) (22°)

m.	Ø 50%	22°	E (lux)	Efficacy
				15.4 lumens per watt
5	1.9		48	Half-peak diameter
10	3.9		12	0.39 X distance(m)
20	7.8		3	Illuminance
30	11.7		1	1200 / distance ² (lux)
50	19.4		0	Total Output
				200 (lumens)

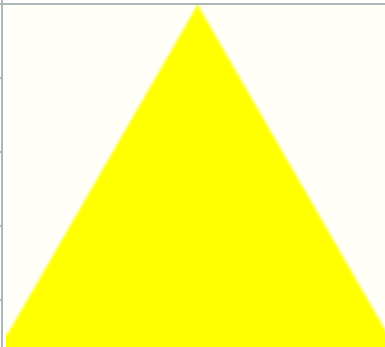


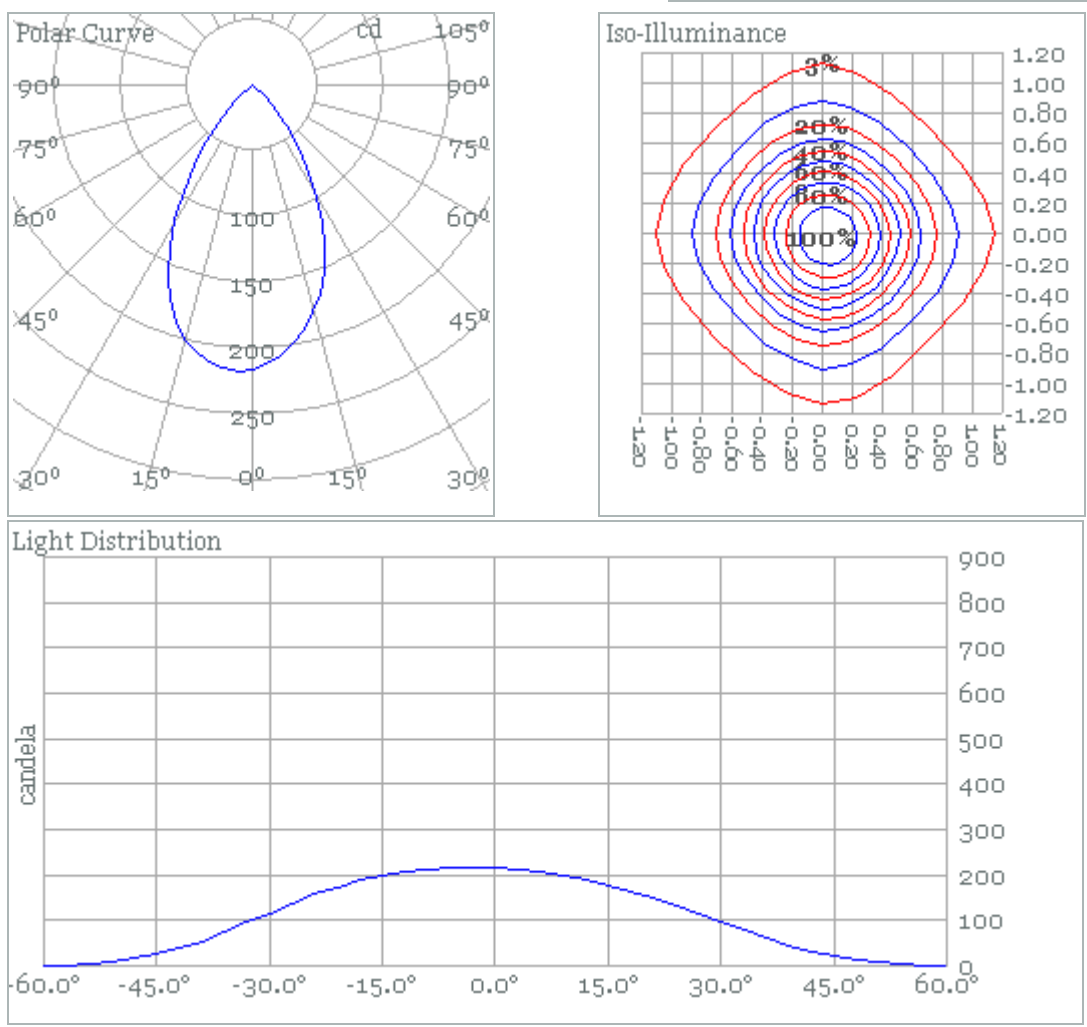
Wide (Only Red LEDs on. Wide Diffuser.) (50°)

m.	Ø 50%	50°	E (lux)	Efficacy
5	4.7		12	16 lumens per watt
10	9.3		3	Half-peak diameter
20	18.7		1	0.93 X distance(m)
30	28.0		0	Illuminance
50	46.6		0	290 / distance ² (lux)
				Total Output
				210 (lumens)

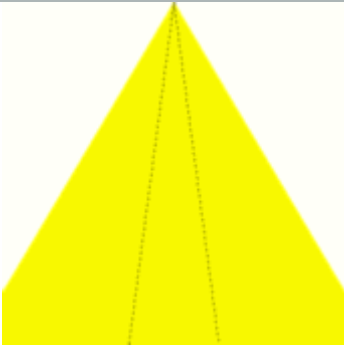


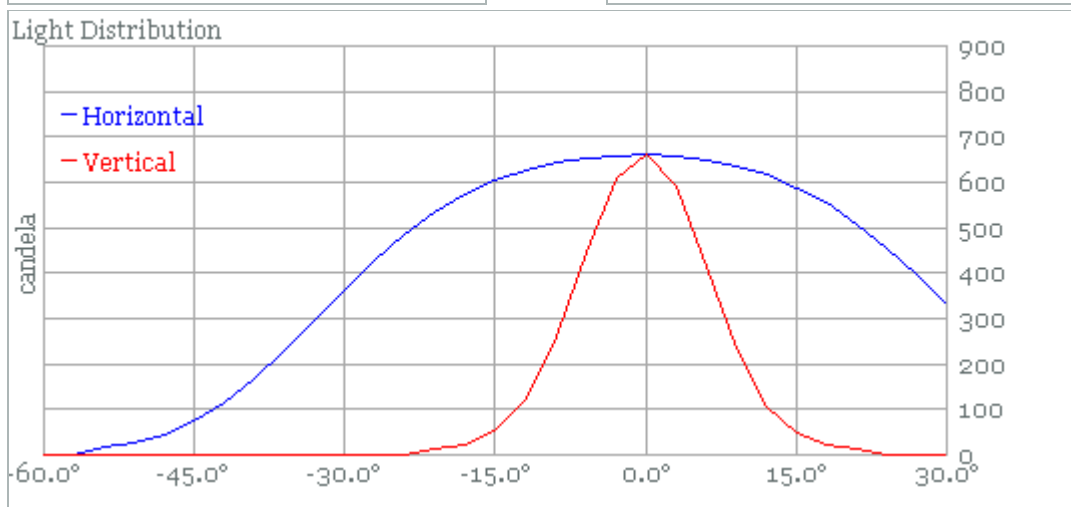
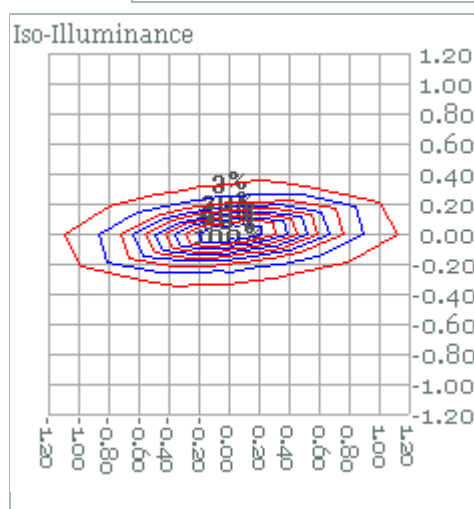
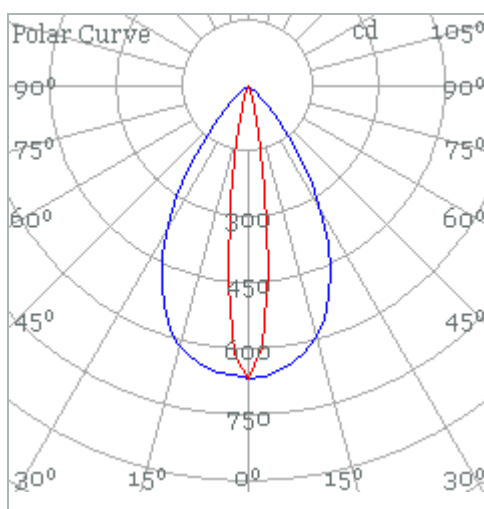
Very Wide (Only Red LEDs on. Very Wide Diffuser.) (60°)

m.	Ø 50%	60°	E (lux)	Efficacy
5	5.8		9	16.1 lumens per watt
10	11.5		2	Half-peak diameter
20	23.1		1	1.15 X distance(m)
30	34.6		0	Illuminance
50	57.7		0	220 / distance ² (lux)
				Total Output
				210 (lumens)




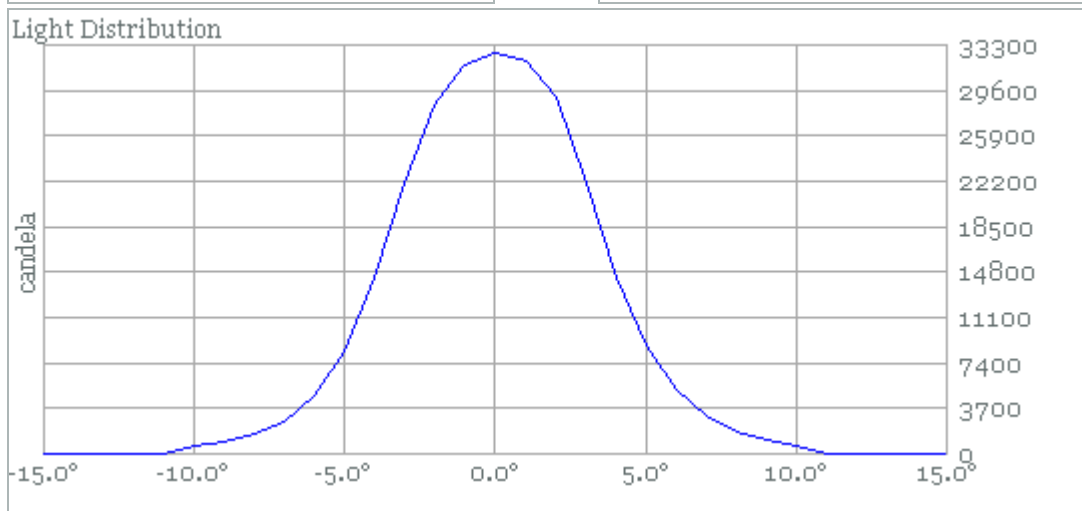
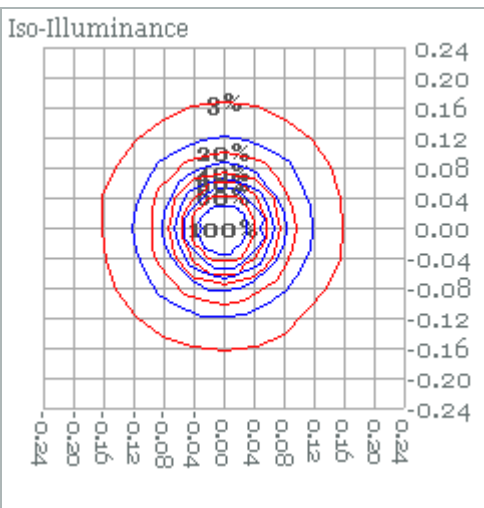
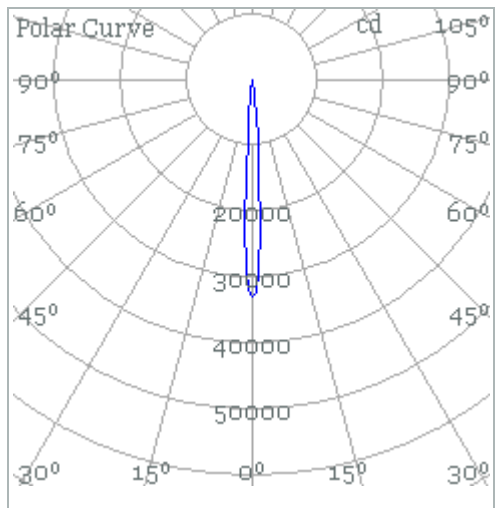
Standard with ellipsoidal beamshaper (Only Red LEDs on. Asymmetric diffuser.) (61° X 15°)

m.	Ø 50%		61° 15°	E (lux)	Efficacy
	C ₀	C ₉₀			15.7 lumens per watt
5	5.9	1.3		26	Half-peak diameter C ₀
10	11.8	2.6		7	1.18 X distance(m)
20	23.6	5.3		2	Half-peak diameter C ₉₀
30	35.3	7.9		1	0.26 X distance(m)
50	58.9	13.2		0	Illuminance
					660 / distance ² (lux)
					Total Output
					200 (lumens)




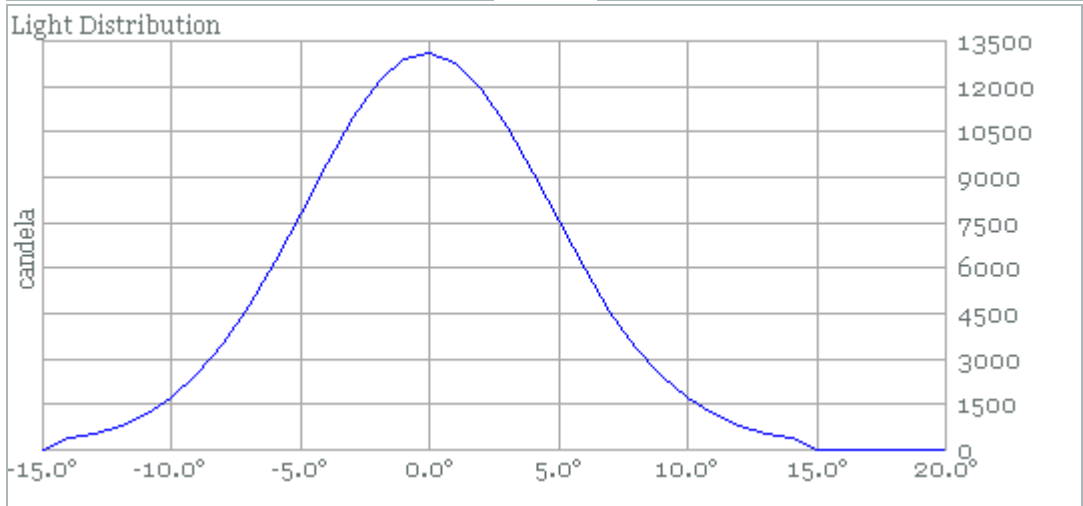
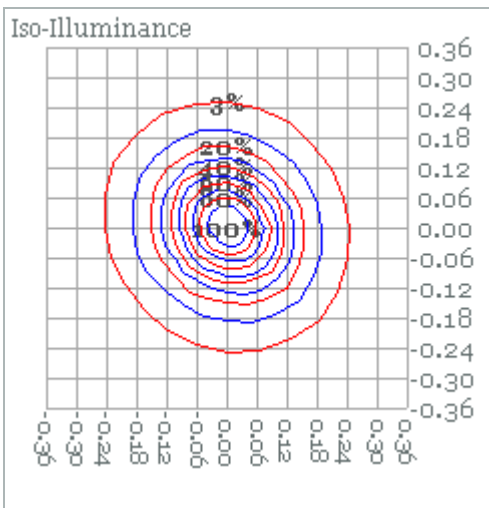
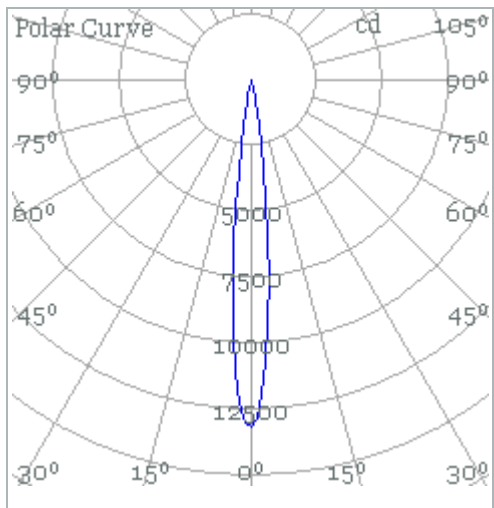
Standard (Only Green LEDs on. No Diffuser.) (7.5°)

m.	∅ 50%	7.5°	E (lux)	Efficacy
5	0.7		1320	36.5 lumens per watt
10	1.3		330	Half-peak diameter
20	2.6		83	0.13 X distance(m)
30	3.9		37	Illuminance
50	6.6		13	33000 / distance ² (lux)
				Total Output
				660 (lumens)

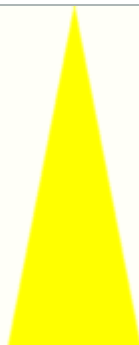


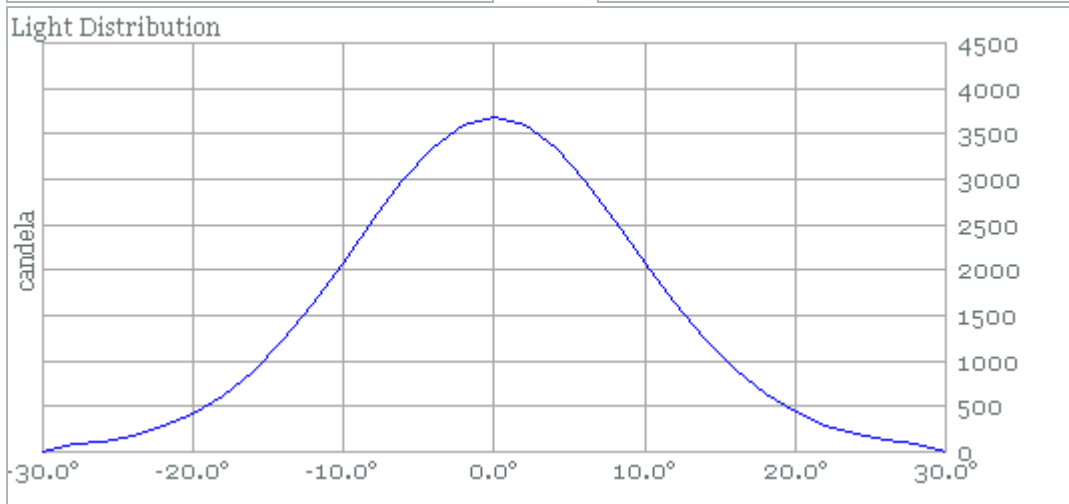
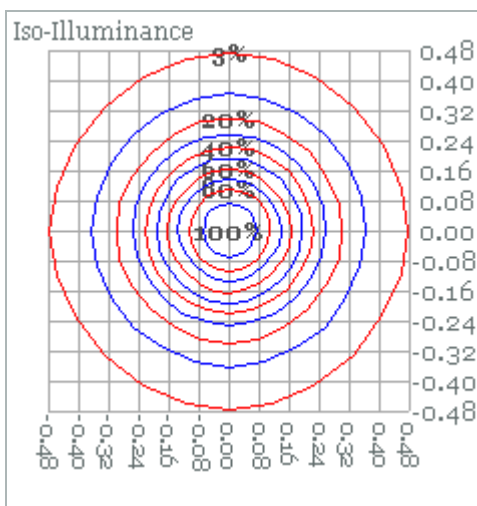
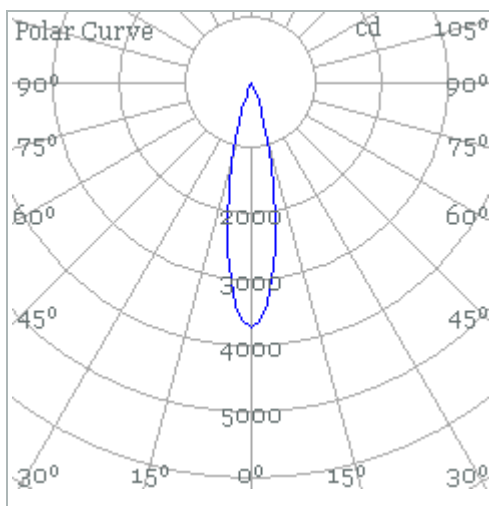
Narrow (Only Green LEDs on. Narrow Diffuser) (11.5°)

m.	Ø 50%	11.5°	E (lux)	Efficacy
5	1.0		520	34.4 lumens per watt
10	2.0		130	Half-peak diameter
20	4.0		33	0.20 X distance(m)
30	6.0		14	Illuminance
50	10.1		5	13000 / distance ² (lux)
				Total Output
				620 (lumens)




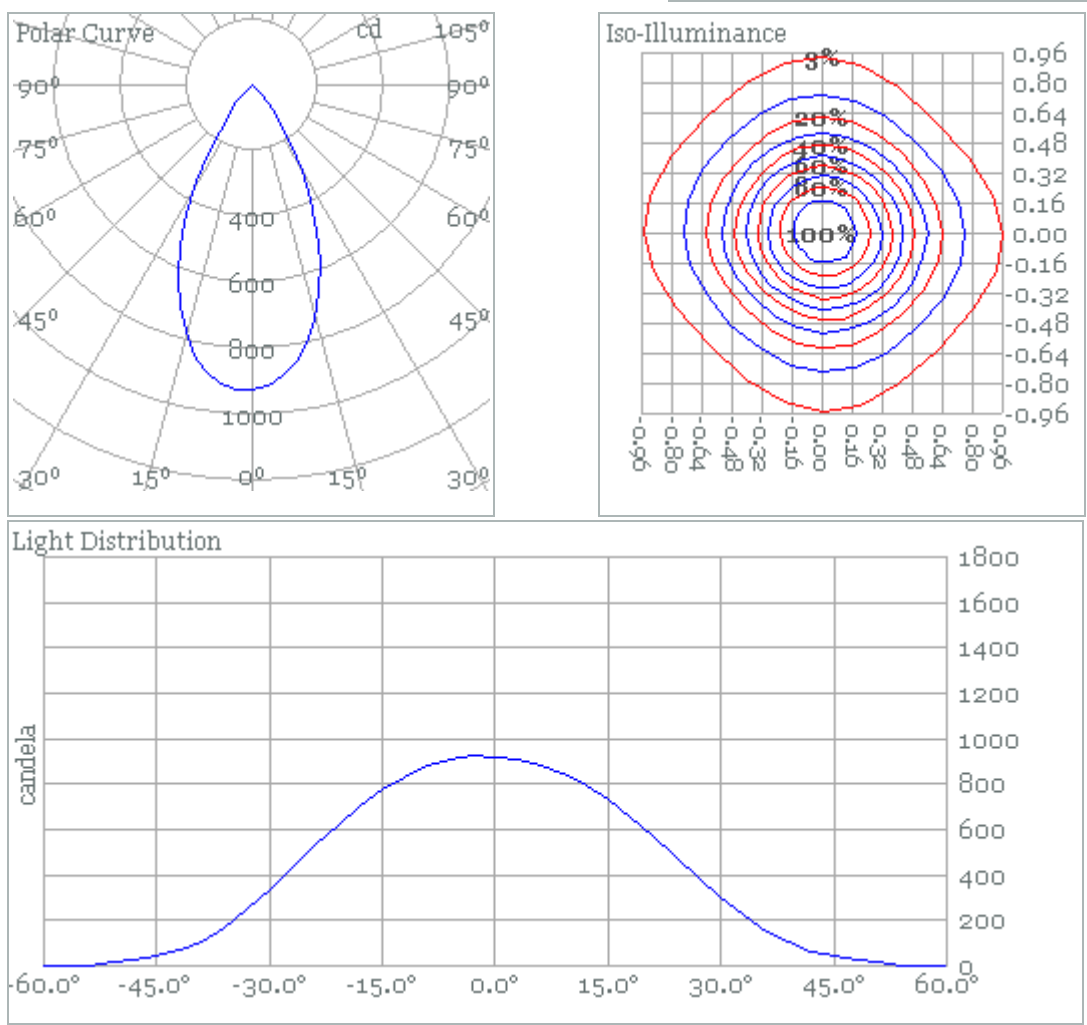
Medium (Only Green LEDs on. Medium Diffuser) (22°)

m.	Ø 50%	22°	E (lux)	Efficacy
5	1.9		148	35 lumens per watt
10	3.9		37	Half-peak diameter
20	7.8		9	0.39 X distance(m)
30	11.7		4	Illuminance
50	19.4		1	3700 / distance ² (lux)
				Total Output
				630 (lumens)

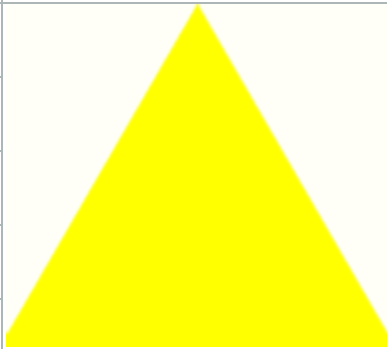


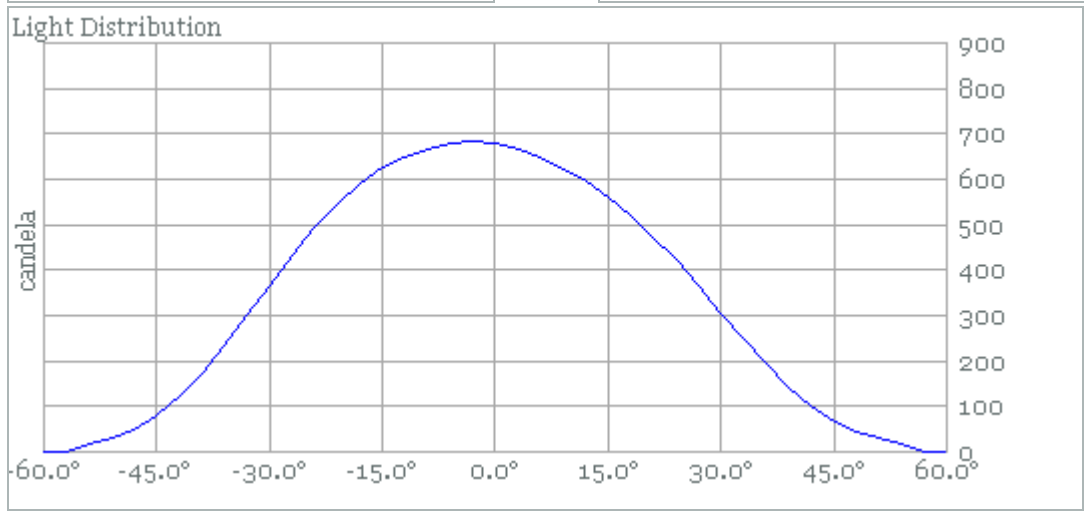
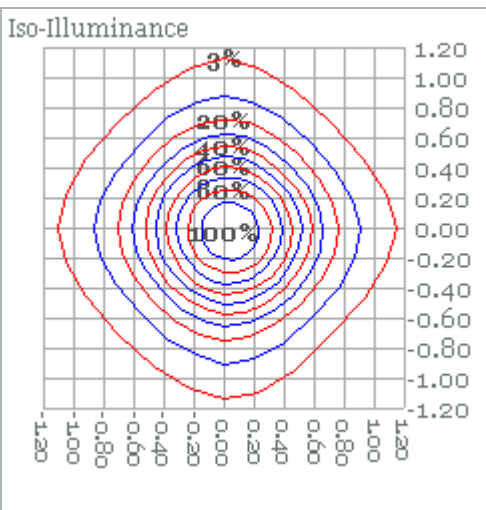
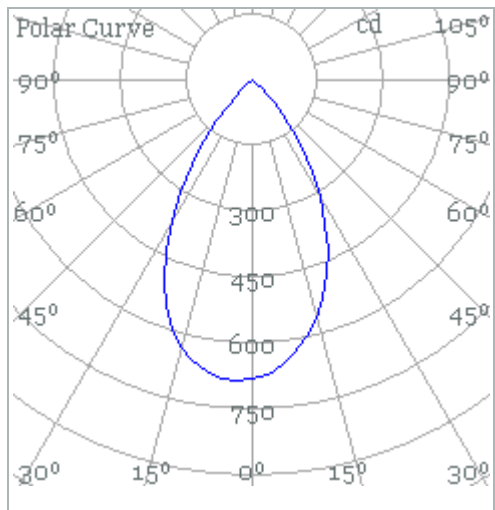
Wide (Only Green LEDs on. Wide Diffuser) (50°)

m.	Ø 50%	50°	E (lux)	Efficacy
5	4.7		37	36.4 lumens per watt
10	9.3		9	Half-peak diameter
20	18.7		2	0.93 X distance(m)
30	28.0		1	Illuminance
50	46.6		0	930 / distance ² (lux)
				Total Output
				660 (lumens)

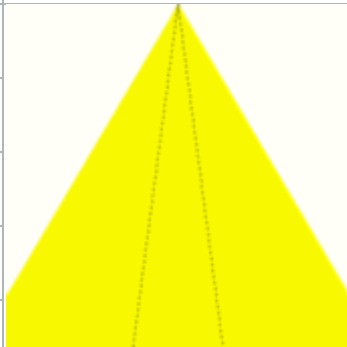


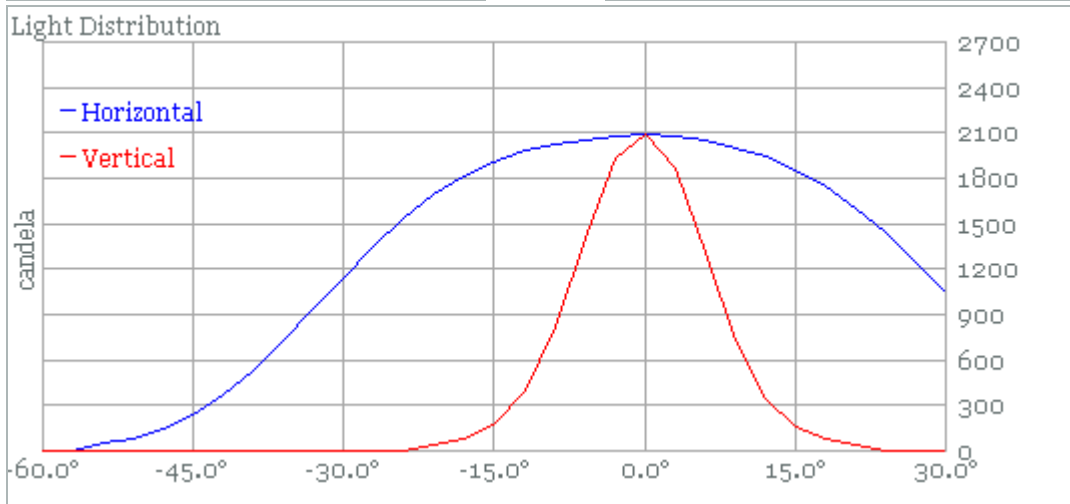
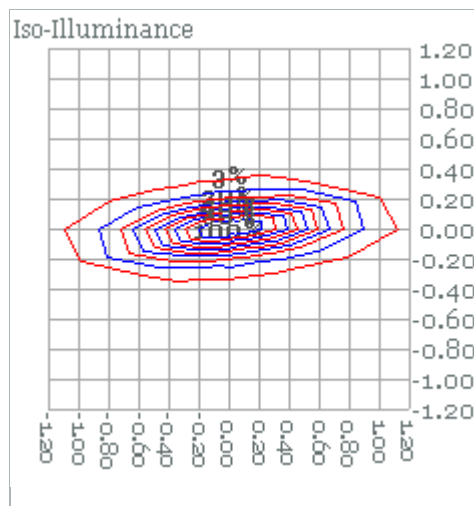
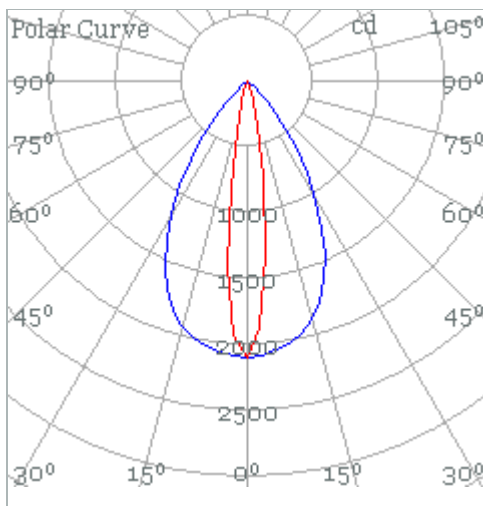
Very Wide (Only Green LEDs on. Very Wide Diffuser.) (60°)

m.	Ø 50%	60°	E (lux)	Efficacy
5	5.8		27	36.7 lumens per watt
10	11.5		7	Half-peak diameter
20	23.1		2	1.15 X distance(m)
30	34.6		1	Illuminance
50	57.7		0	680 / distance ² (lux)
				Total Output
				660 (lumens)




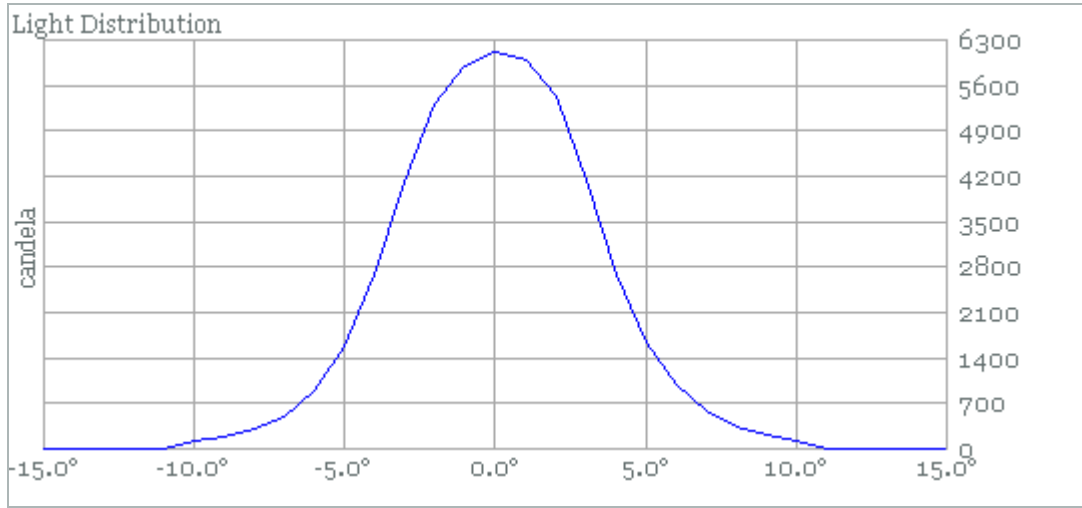
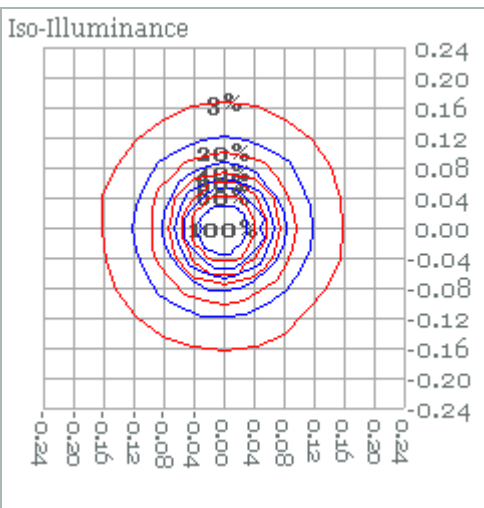
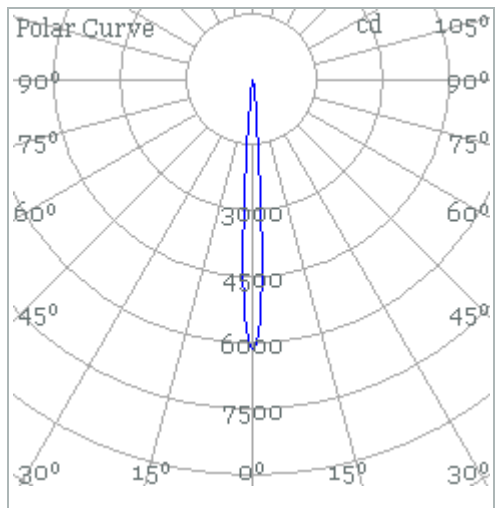
Standard with ellipsoidal beamshaper (Only Green LEDs on. Asymmetric Diffuser.) (61° X 15°)

m.	Ø 50%		61° 15°	E (lux)	Efficacy
	C ₀	C ₉₀			35.8 lumens per watt
5	5.9	1.3		84	Half-peak diameter C ₀
10	11.8	2.6		21	1.18 X distance(m)
20	23.6	5.3		5	Half-peak diameter C ₉₀
30	35.3	7.9		2	0.26 X distance(m)
50	58.9	13.2		1	Illuminance
					2100 / distance ² (lux)
					Total Output
					640 (lumens)




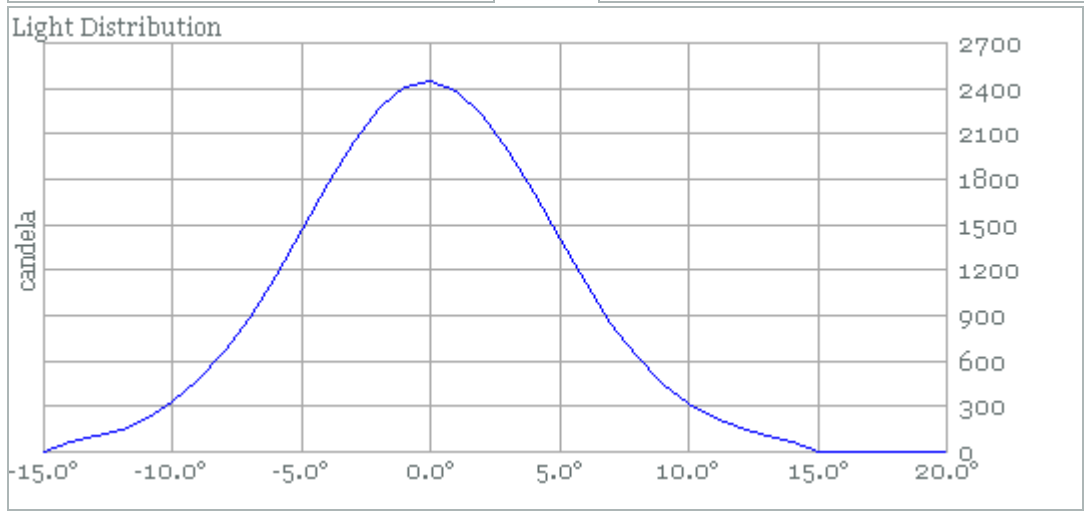
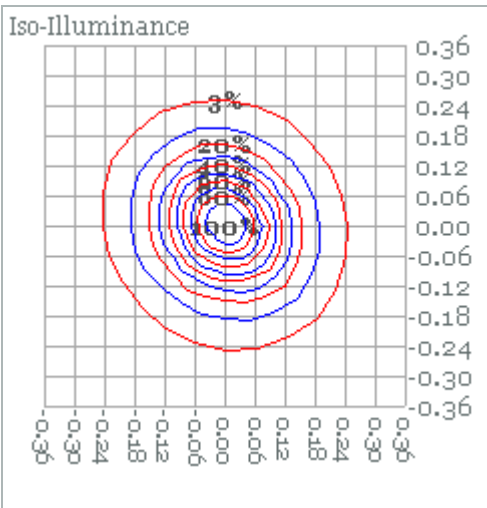
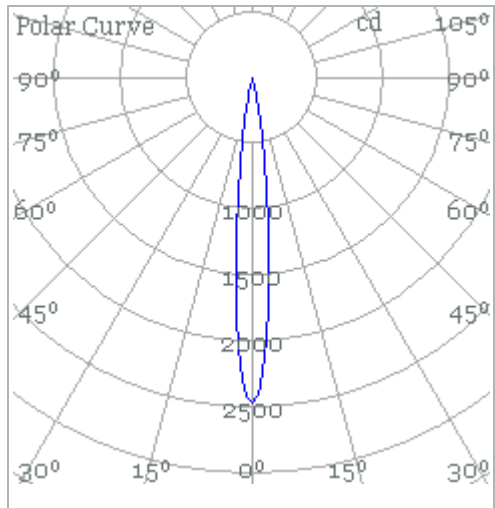
Standard (Only Blue LEDs on. No Diffuser) (7.5°)

m.	Ø 50%		E (lux)	Efficacy	
5	0.7		244	8.2 lumens per watt	
10	1.3		61	Half-peak diameter	
20	2.6		15	0.13 X distance(m)	
30	3.9		7	Illuminance	
50	6.6		2	6100 / distance ² (lux)	
				Total Output	
				120 (lumens)	

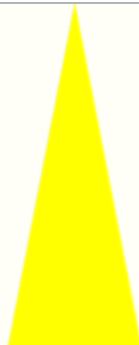


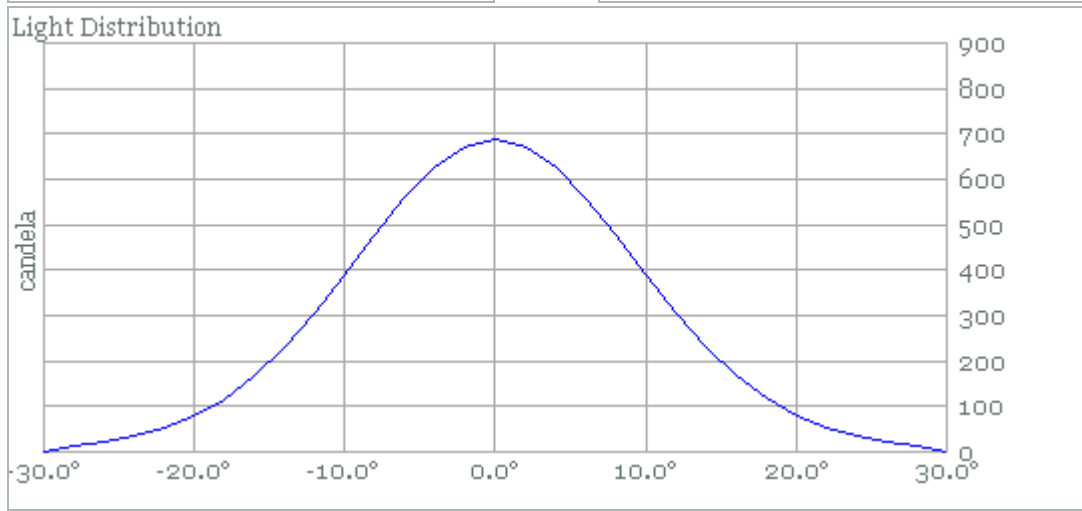
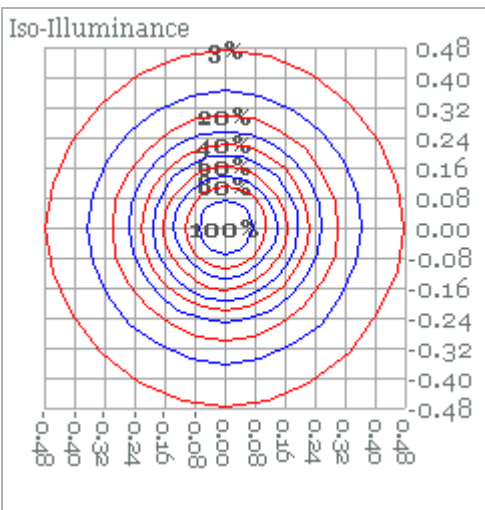
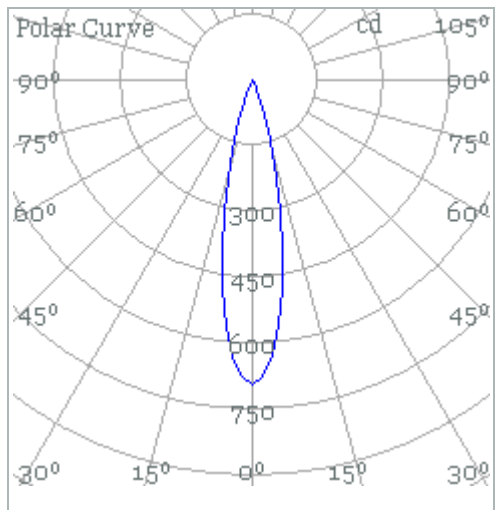
Narrow (Only Blue LEDs on. Narrow Diffuser) (11.5°)

m.	Ø 50%	11.5°	E (lux)	Efficacy
5	1.0		100	7.7 lumens per watt
10	2.0		25	Half-peak diameter
20	4.0		6	0.20 X distance(m)
30	6.0		3	Illuminance
50	10.1		1	2500 / distance ² (lux)
				Total Output
				120 (lumens)




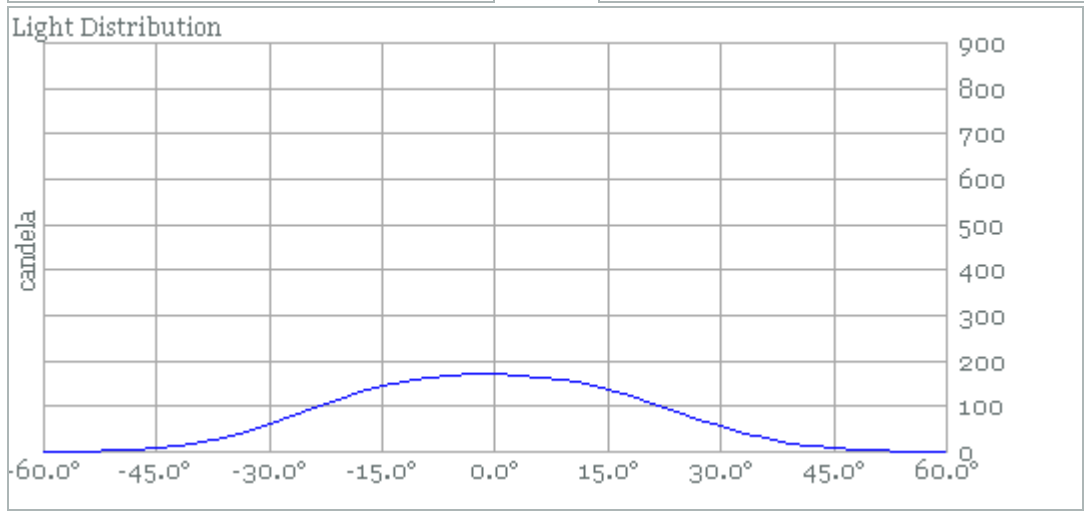
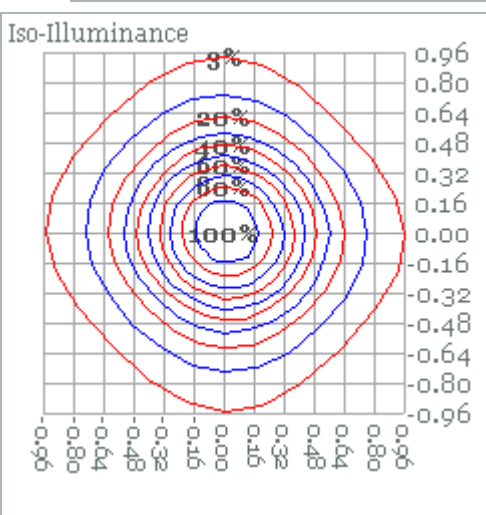
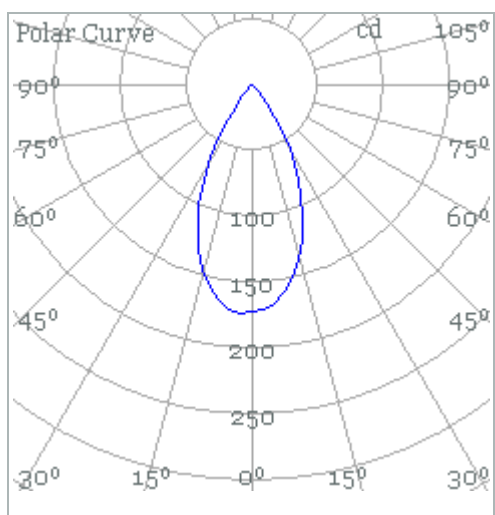
Medium (Only Blue LEDs on. Medium Diffuser) (22°)

m.	Ø 50%	22°	E (lux)	Efficacy
5	1.9		28	7.9 lumens per watt
10	3.9		7	Half-peak diameter
20	7.8		2	0.39 X distance(m)
30	11.7		1	Illuminance
50	19.4		0	690 / distance ² (lux)
				Total Output
				120 (lumens)

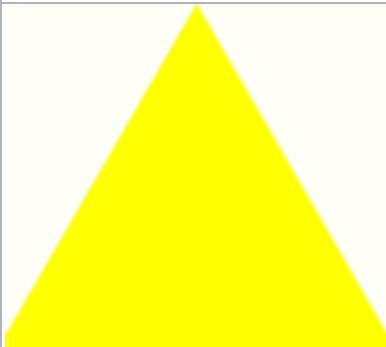


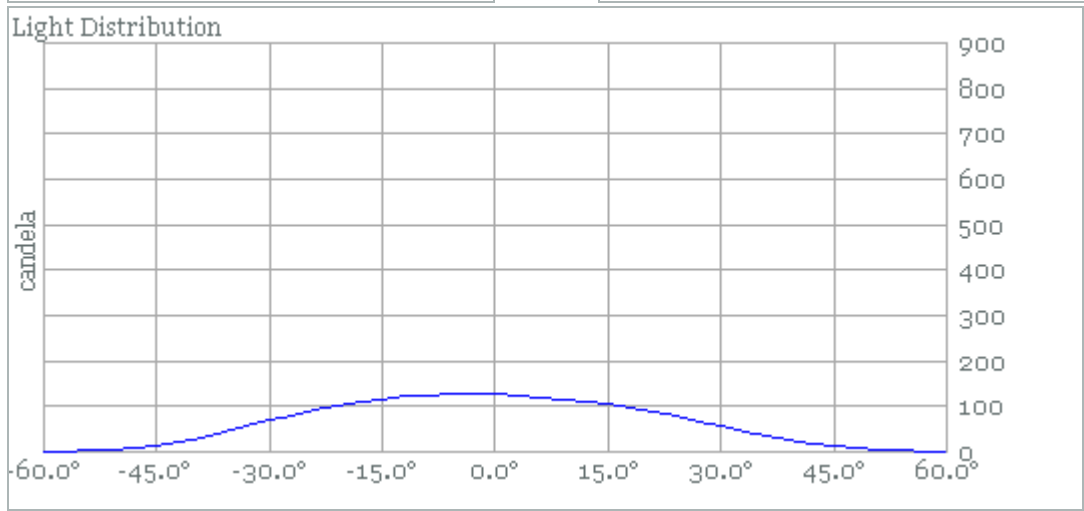
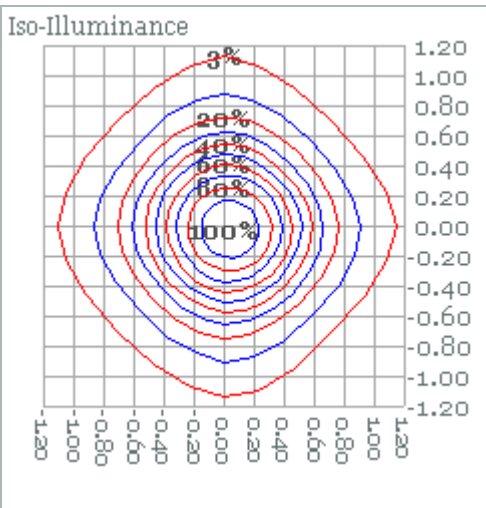
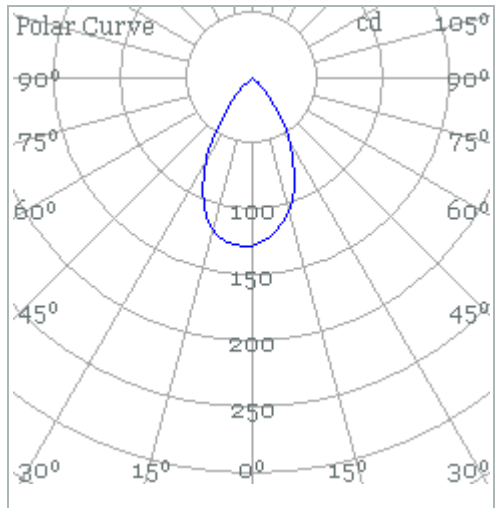
Wide (Only Blue LEDs on. Wide Diffuser) (50°)

m.	Ø 50%	50°	E (lux)	Efficacy
5	4.7		7	8.2 lumens per watt
10	9.3		2	Half-peak diameter
20	18.7		0	0.93 X distance(m)
30	28.0		0	Illuminance
			0	170 / distance ² (lux)
50	46.6		0	Total Output
				120 (lumens)

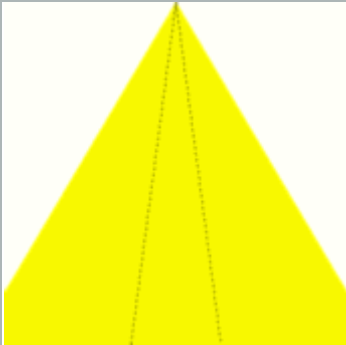


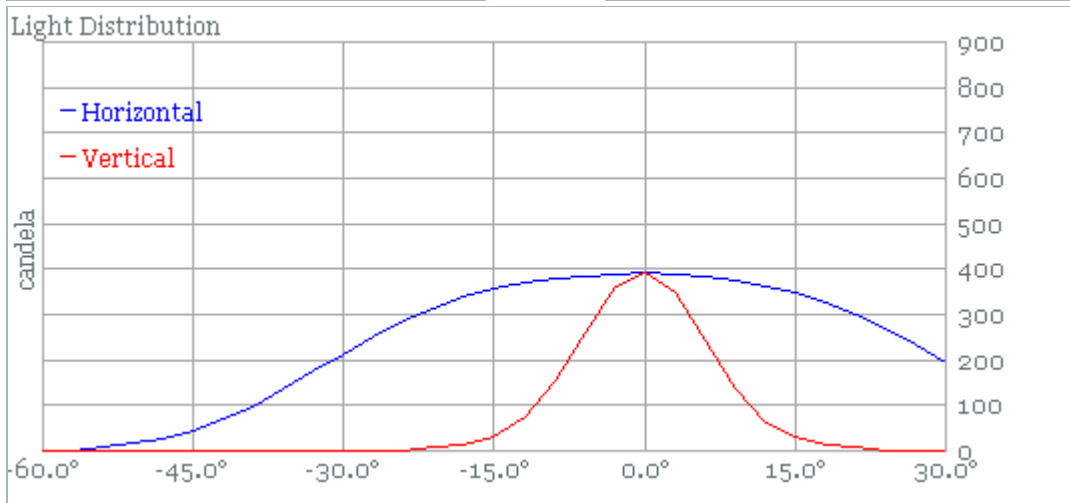
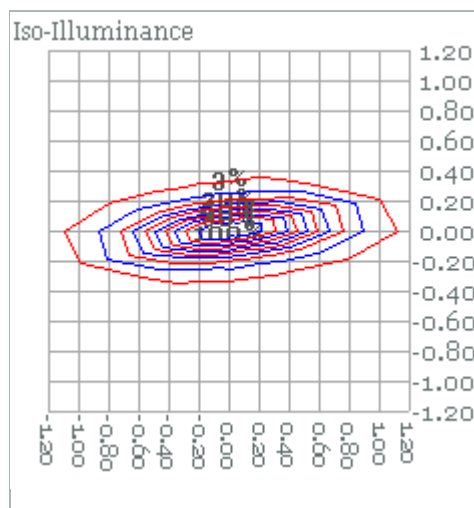
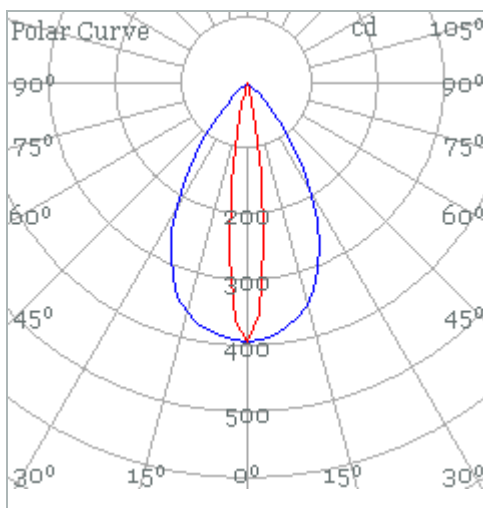
Very Wide (Only Blue LEDs on. Very Wide Diffuser.) (60°)

m.	∅ 50%	60°	E (lux)	Efficacy
5	5.8		5	8.2 lumens per watt
10	11.5		1	Half-peak diameter
20	23.1		0	1.15 X distance(m)
30	34.6		0	Illuminance
50	57.7		0	130 / distance ² (lux)
				Total Output
				120 (lumens)

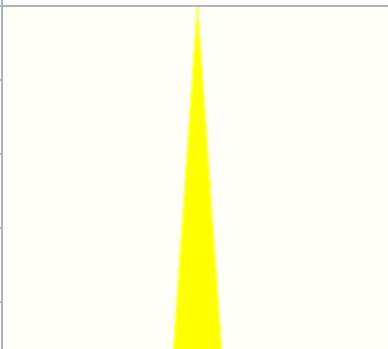


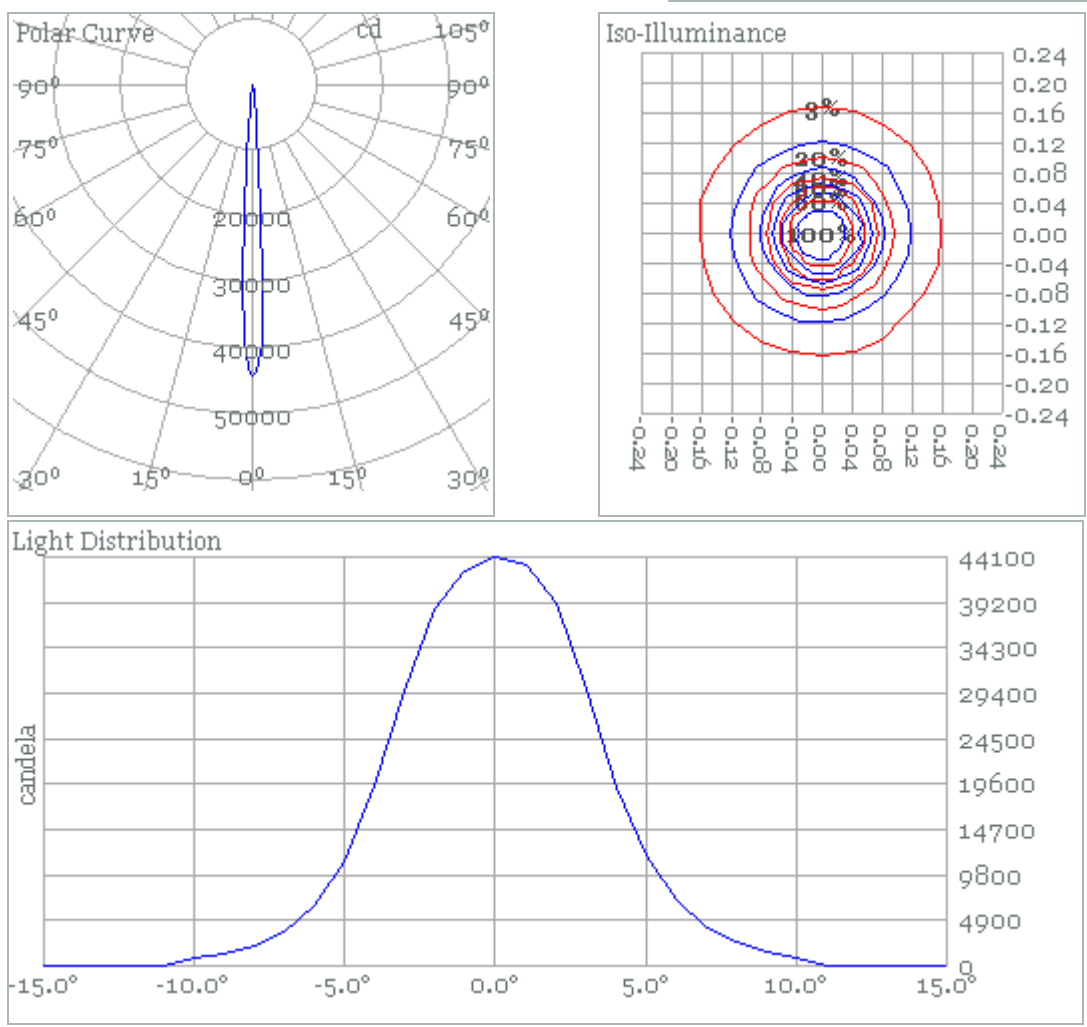
Standard with ellipsoidal beamshaper (Only Blue LEDs on. Asymmetric diffuser) (61° X 15°)

m.	Ø 50%		61° 15°	E (lux)	Efficacy
	C ₀	C ₉₀			8 lumens per watt
5	5.9	1.3		16	Half-peak diameter C ₀
10	11.8	2.6		4	1.18 X distance(m)
20	23.6	5.3		1	Half-peak diameter C ₉₀
30	35.3	7.9		0	0.26 X distance(m)
50	58.9	13.2		0	Illuminance
					390 / distance ² (lux)
					Total Output
					120 (lumens)




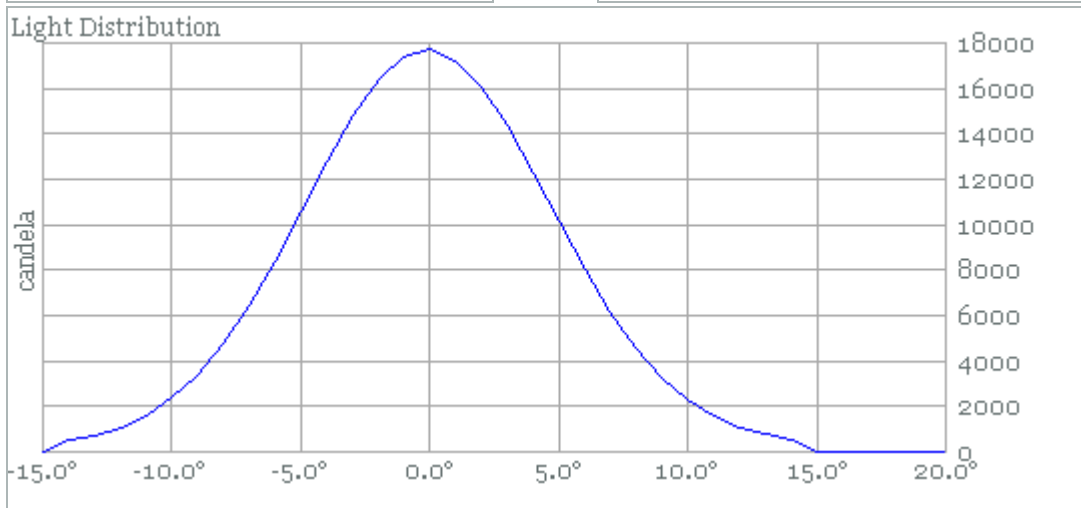
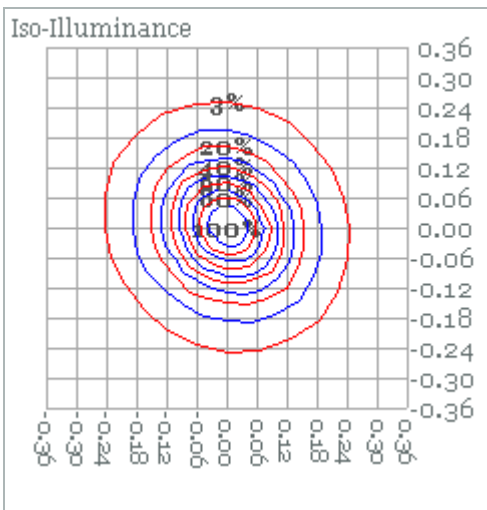
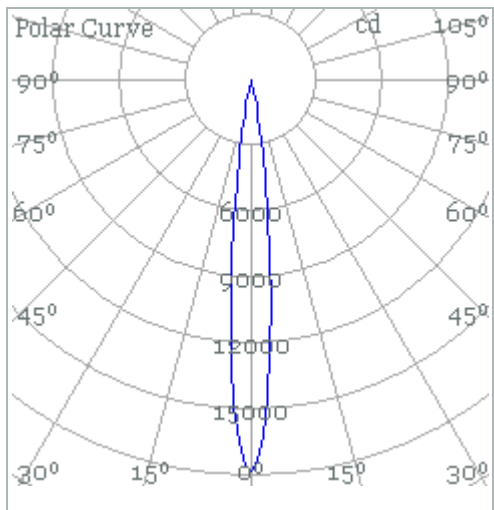
Standard (Only White LEDs on. No Diffuser) (7.5°)

m.	Ø 50%		E (lux)	Efficacy
5	0.7		1760	49.2 lumens per watt
10	1.3		440	Half-peak diameter
20	2.6		110	0.13 X distance(m)
30	3.9		49	Illuminance
50	6.6		18	44000 / distance ² (lux)
			Total Output	
			880 (lumens)	

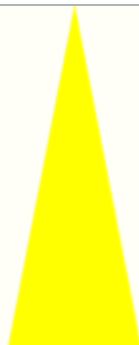


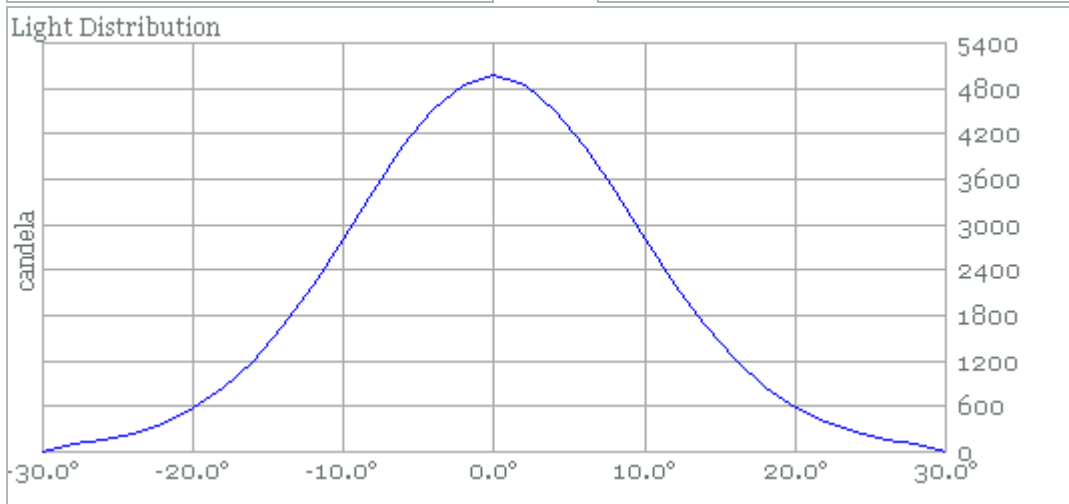
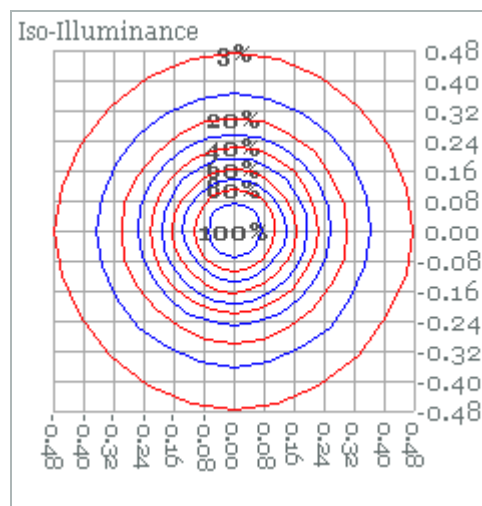
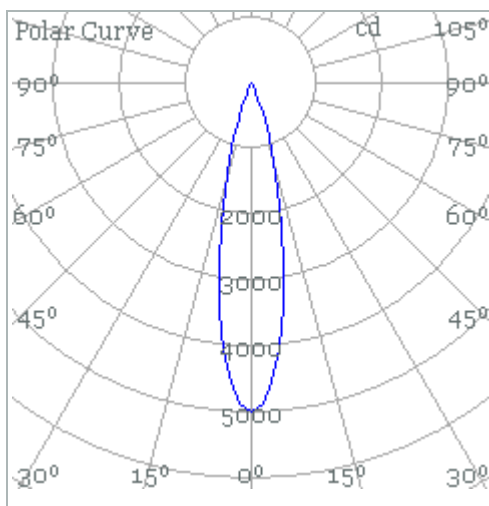
Narrow (Only White LEDs on. Narrow Diffuser) (11.5°)

m.	Ø 50%	11.5°	E (lux)	Efficacy
5	1.0		720	46.4 lumens per watt
10	2.0		180	Half-peak diameter
20	4.0		45	0.20 X distance(m)
30	6.0		20	Illuminance
50	10.1		7	18000 / distance ² (lux)
				Total Output
				840 (lumens)




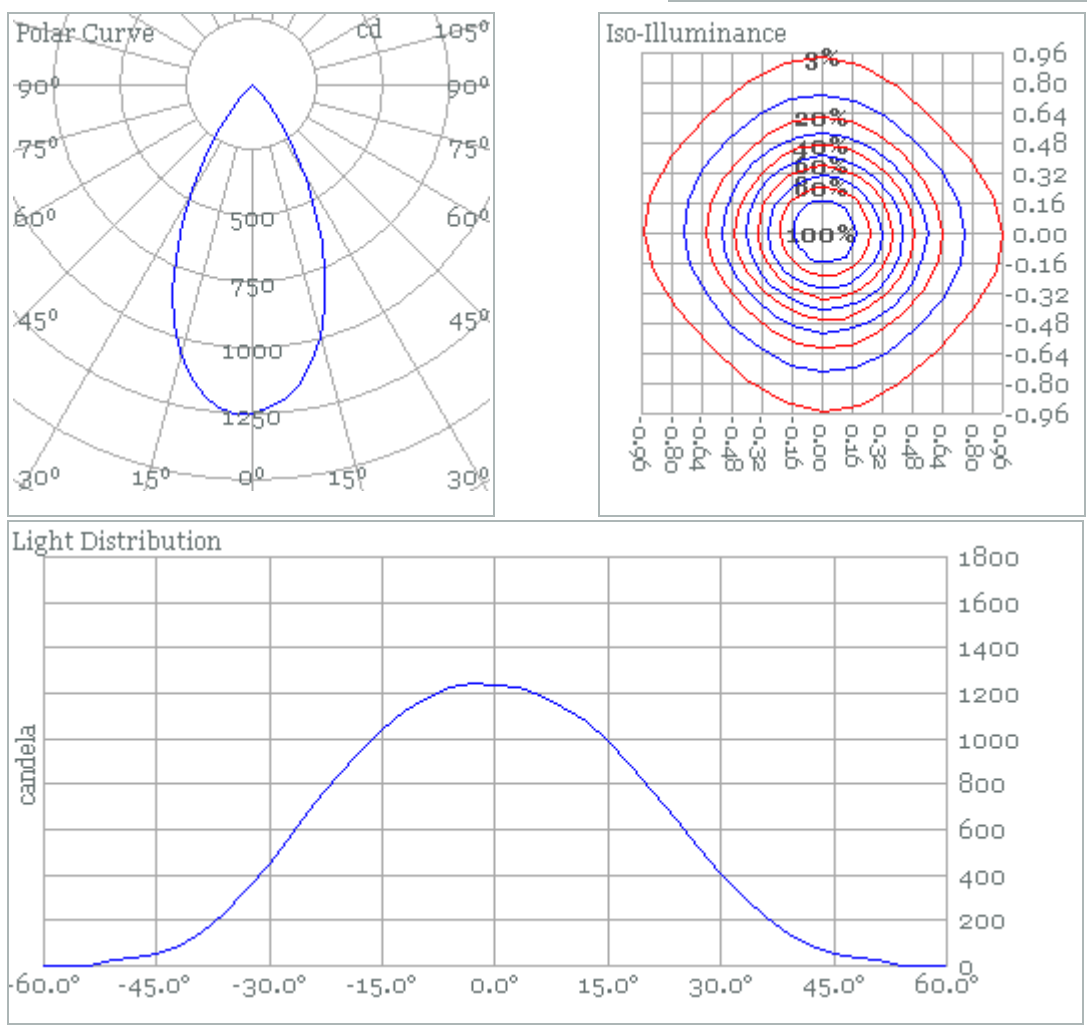
Medium (Only White LEDs on. Medium Diffuser) (22°)

m.	Ø 50%	22°	E (lux)	Efficacy
5	1.9		200	47.2 lumens per watt
10	3.9		50	Half-peak diameter
20	7.8		13	0.39 X distance(m)
30	11.7		6	Illuminance
50	19.4		2	5000 / distance ² (lux)
				Total Output
				850 (lumens)

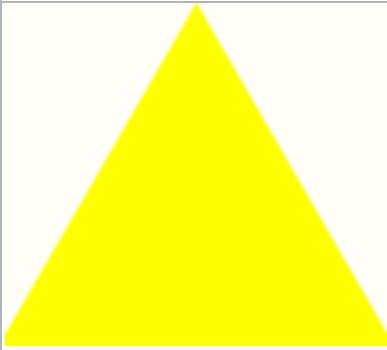


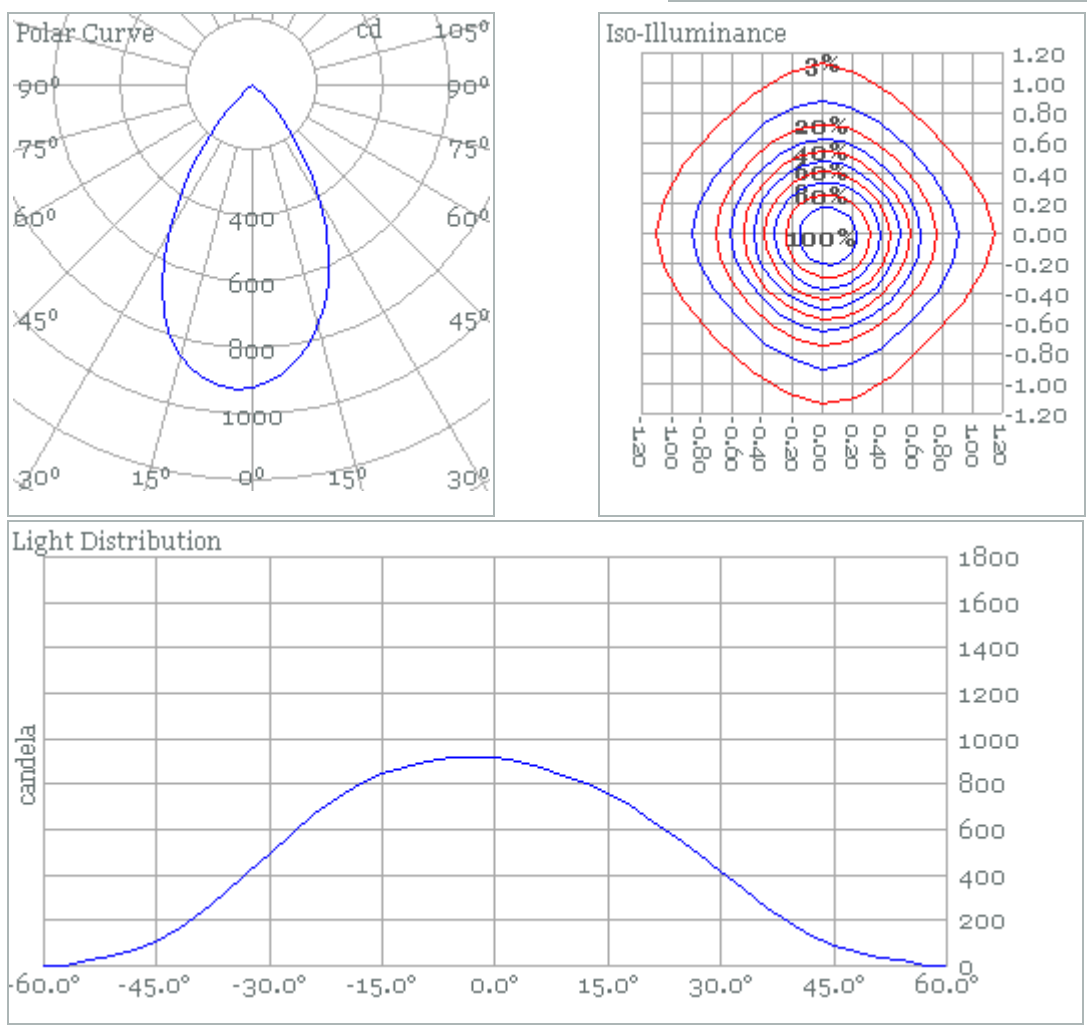
Wide (Only White LEDs on. Wide Diffuser) (50°)

m.	Ø 50%	50°	E (lux)	Efficacy
5	4.7		52	49.1 lumens per watt
10	9.3		13	Half-peak diameter
20	18.7		3	0.93 X distance(m)
30	28.0		1	Illuminance
50	46.6		1	1300 / distance ² (lux)
				Total Output
				880 (lumens)

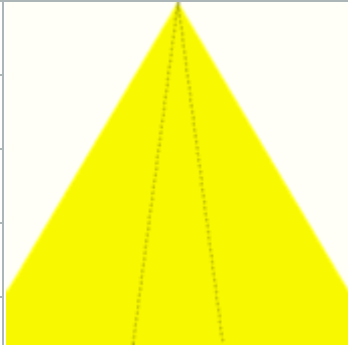


Very Wide (Only White LEDs on. Very Wide Diffuser) (60°)

m.	Ø 50%	60°	E (lux)	Efficacy
5	5.8		37	49.4 lumens per watt
10	11.5		9	Half-peak diameter
20	23.1		2	1.15 X distance(m)
30	34.6		1	Illuminance
50	57.7		0	920 / distance ² (lux)
				Total Output
				890 (lumens)



Standard with ellipsoidal beamshaper (Only White LEDs on. Asymmetric diffuser) (61° X 15°)

m.	Ø 50%		61° 15°	E (lux)	Efficacy
	C ₀	C ₉₀			48.2 lumens per watt
5	5.9	1.3		112	Half-peak diameter C ₀
10	11.8	2.6		28	1.18 X distance(m)
20	23.6	5.3		7	Half-peak diameter C ₉₀
30	35.3	7.9		3	0.26 X distance(m)
50	58.9	13.2		1	Illuminance
					2800 / distance ² (lux)
					Total Output
					870 (lumens)

