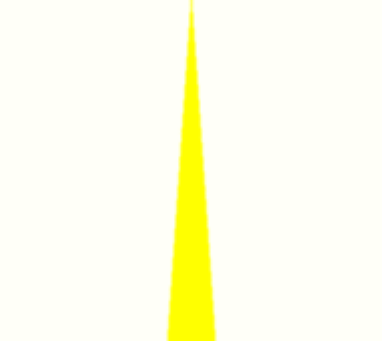
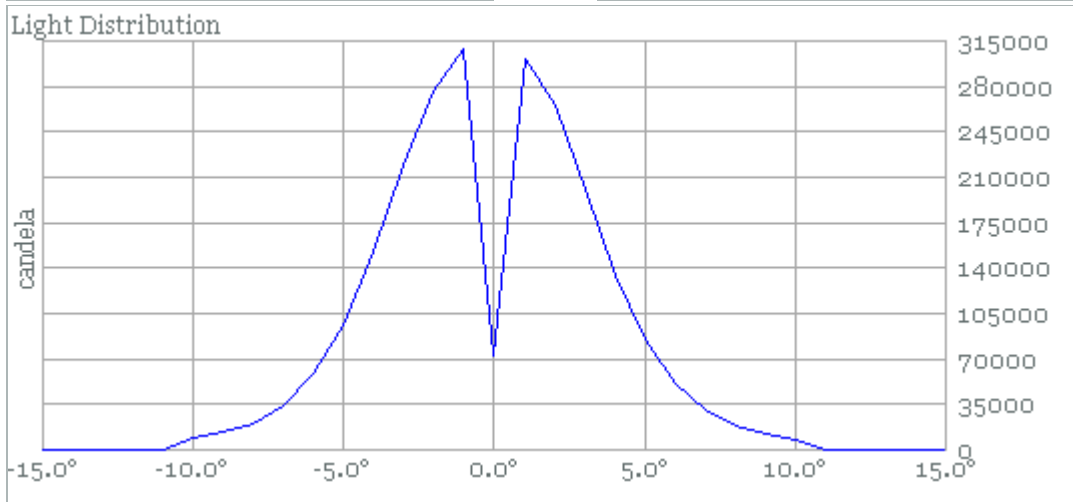
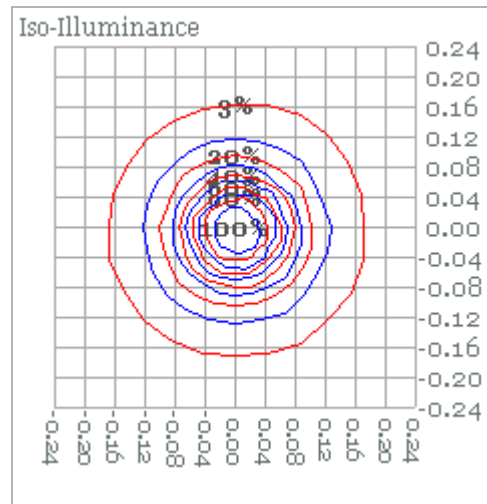
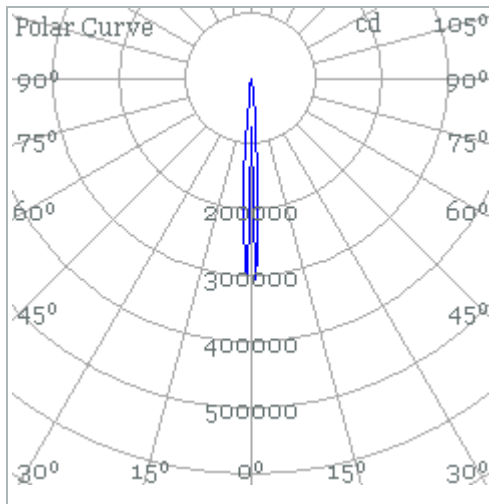



Exterior Wash 200 Photometrics

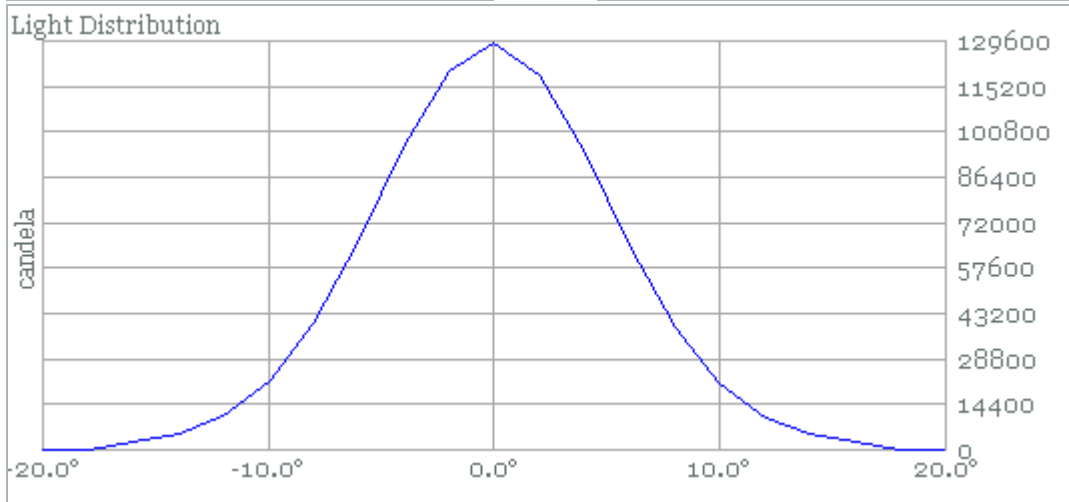
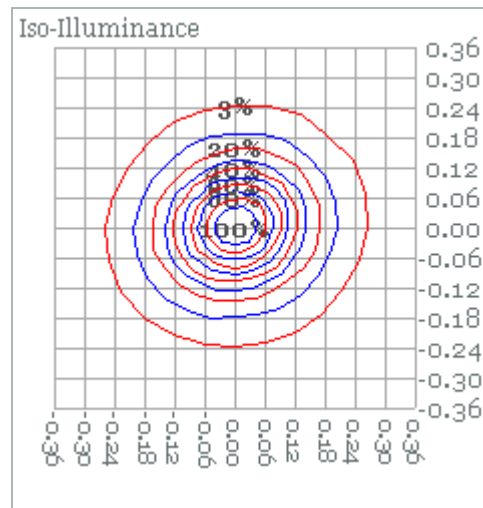
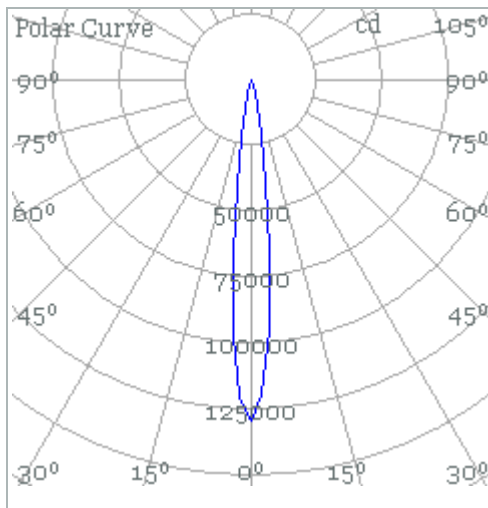
Standard (All LEDs on. No Diffuser) (7.5°)

m.	Ø 50%	7.5°	E (lux)	Efficacy
5	0.7		12640	40.3 lumens per watt
10	1.3		3160	Half-peak diameter
20	2.6		790	0.13 X distance(m)
30	3.9		351	Illuminance
50	6.6		126	316000 / distance ² (lux)
				Total Output
				6500 (lumens)

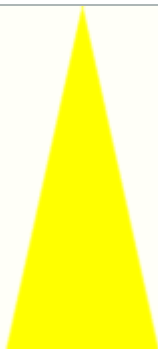


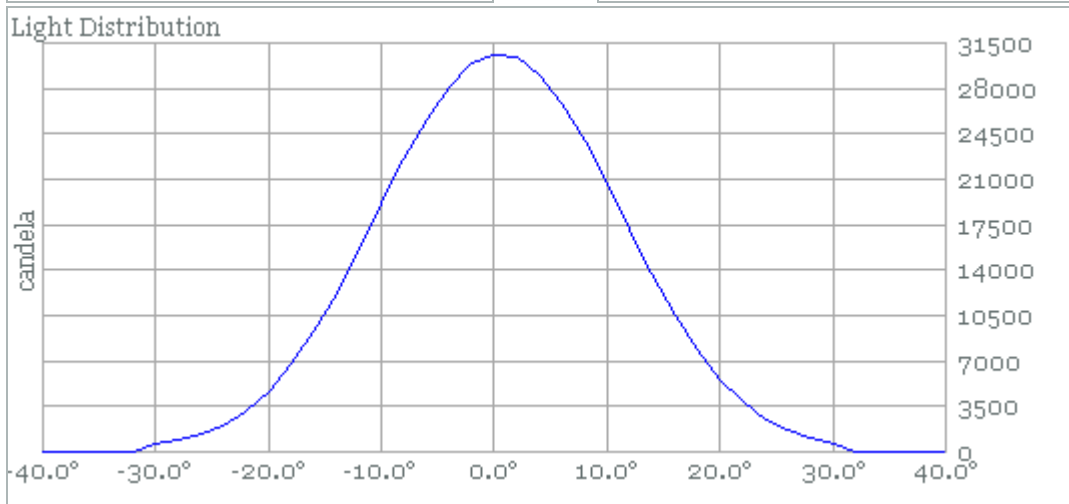
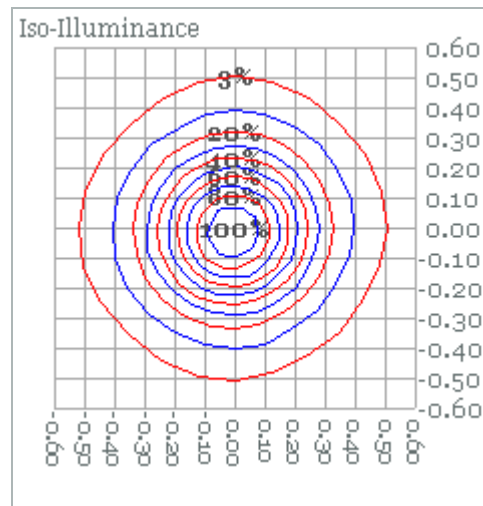
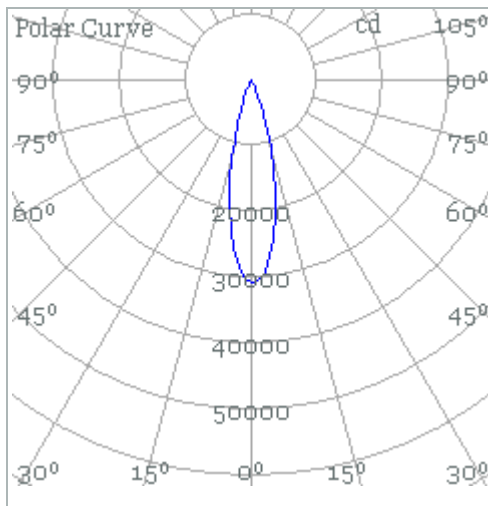
Narrow (All LEDs on. Narrow Diffuser) (11.5°)

m.	Ø 50%	11.5°	E (lux)	Efficacy
5	1.0		5160	38.3 lumens per watt
10	2.0		1290	Half-peak diameter
20	4.0		323	0.20 X distance(m)
30	6.0		143	Illuminance
50	10.1		52	129000 / distance ² (lux)
				Total Output
				6200 (lumens)

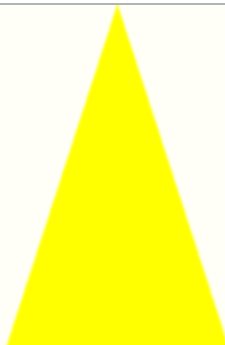


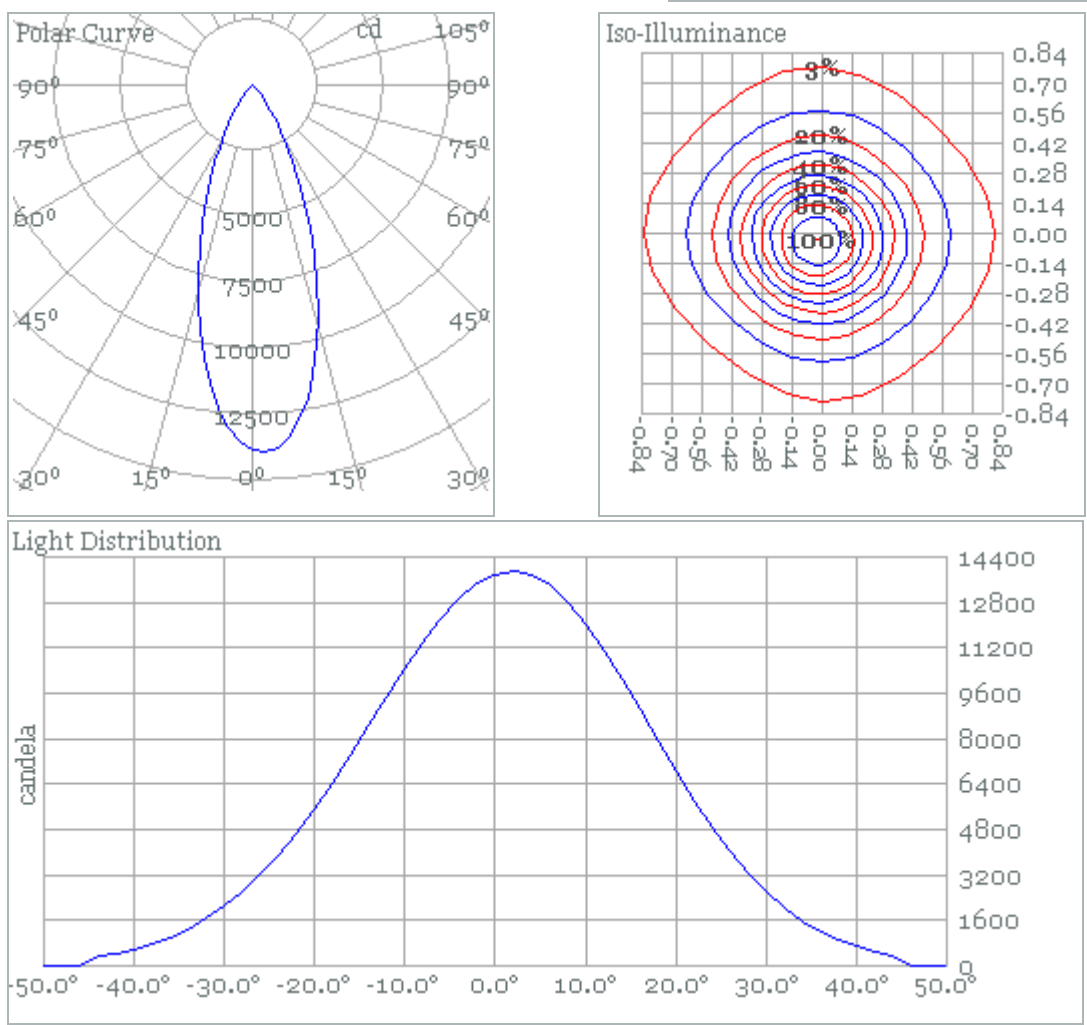
Medium (All LEDs on. Medium Diffuser) (25°)

m.	Ø 50%	25°	E (lux)	Efficacy
				39.1 lumens per watt
5	2.2		1240	Half-peak diameter
10	4.4		310	0.44 X distance(m)
20	8.9		78	Illuminance
30	13.3		34	31000 / distance ² (lux)
50	22.2		12	Total Output
				6300 (lumens)

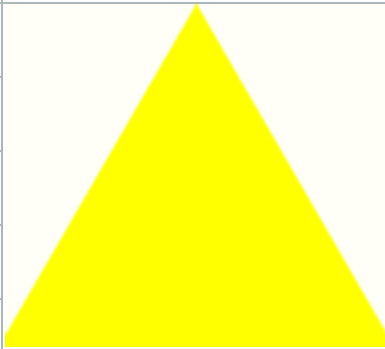


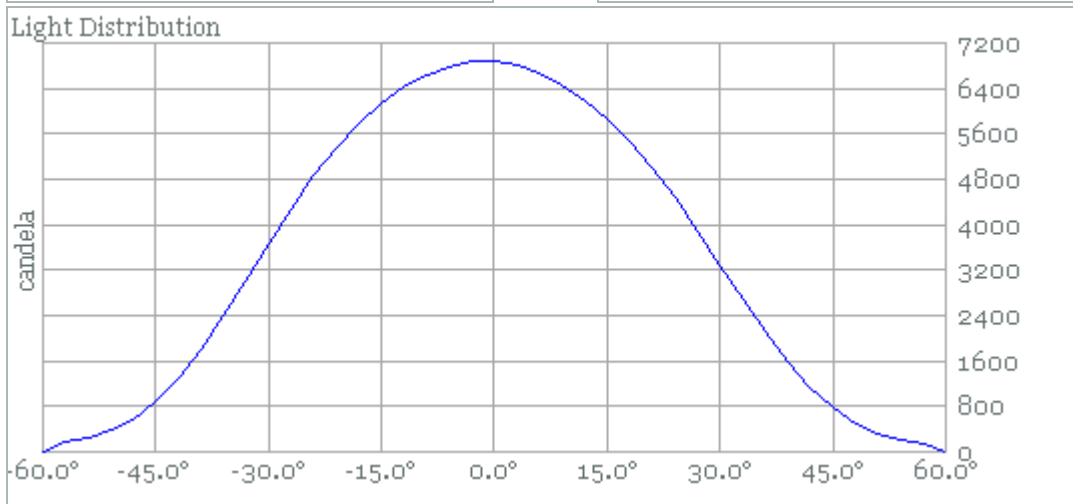
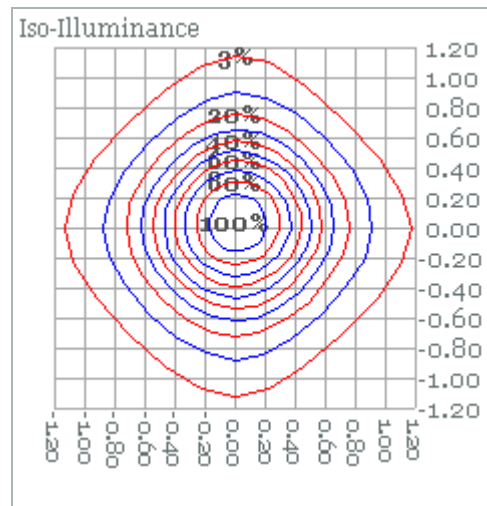
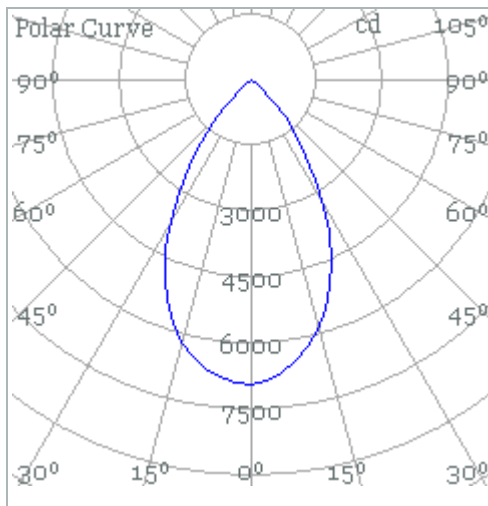
Wide (All LEDs on. Wide Diffuser) (36°)

m.	Ø 50%	36°	E (lux)	Efficacy
5	3.2		560	38.1 lumens per watt
10	6.5		140	Half-peak diameter
20	13.0		35	0.65 X distance(m)
30	19.5		16	Illuminance
50	32.5		6	14000 / distance ² (lux)
				Total Output
				6200 (lumens)

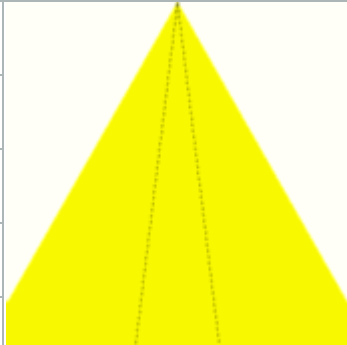


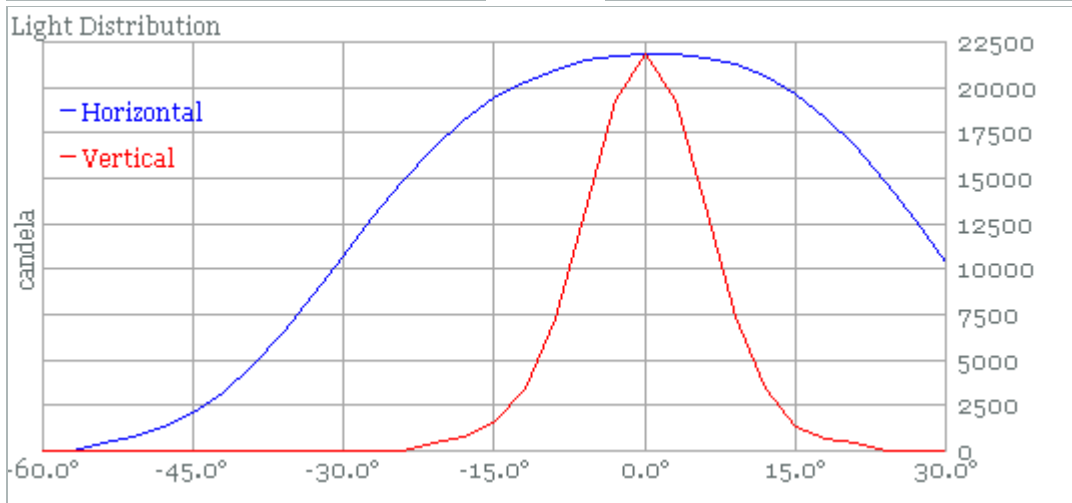
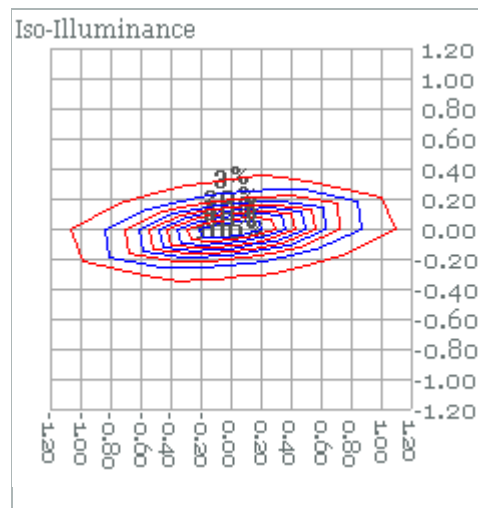
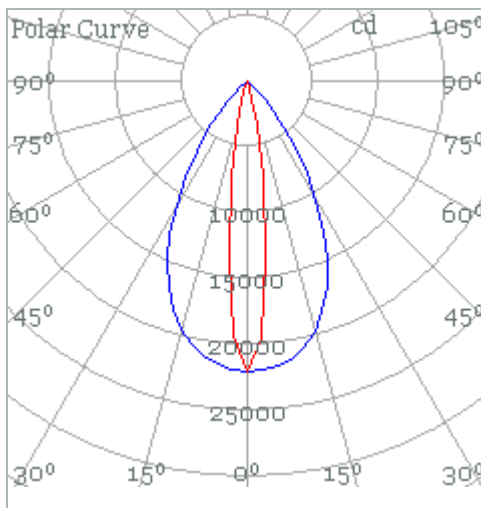
Very Wide (All LEDs on. Very Wide Diffuser) (60°)

m.	Ø 50%	60°	E (lux)	Efficacy
5	5.8		276	41.4 lumens per watt
10	11.5		69	Half-peak diameter
20	23.1		17	1.15 X distance(m)
30	34.6		8	Illuminance
50	57.7		3	6900 / distance ² (lux)
				Total Output
				6800 (lumens)

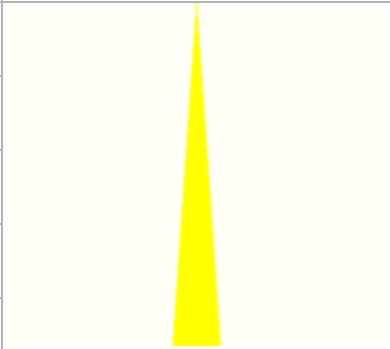


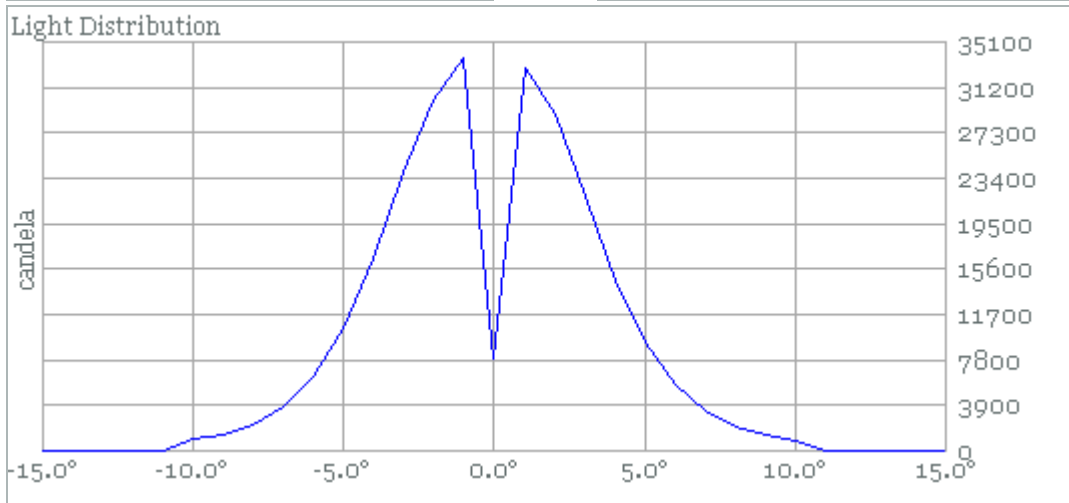
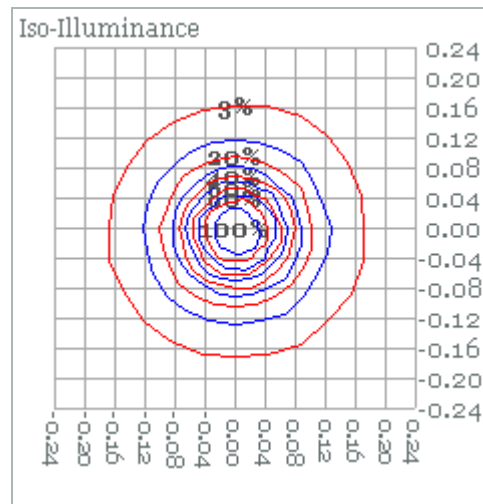
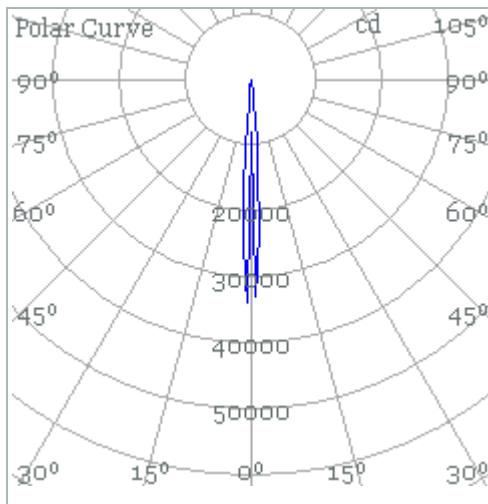
Standard with ellipsoidal beamshaper (All LEDs on. Asymmetric Diffuser) (59° X 14.5°)

m.	Ø 50%		59° 14.5°	E (lux)	Efficacy
	C ₀	C ₉₀			39.4 lumens per watt
5	5.7	1.3		880	Half-peak diameter C ₀
10	11.3	2.5		220	1.13 X distance(m)
20	22.6	5.1		55	Half-peak diameter C ₉₀
30	33.9	7.6		24	0.25 X distance(m)
50	56.6	12.7		9	Illuminance
					22000 / distance ² (lux)
					Total Output
					6400 (lumens)

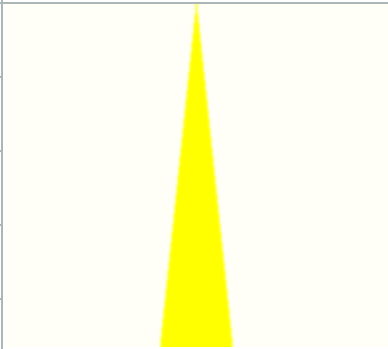


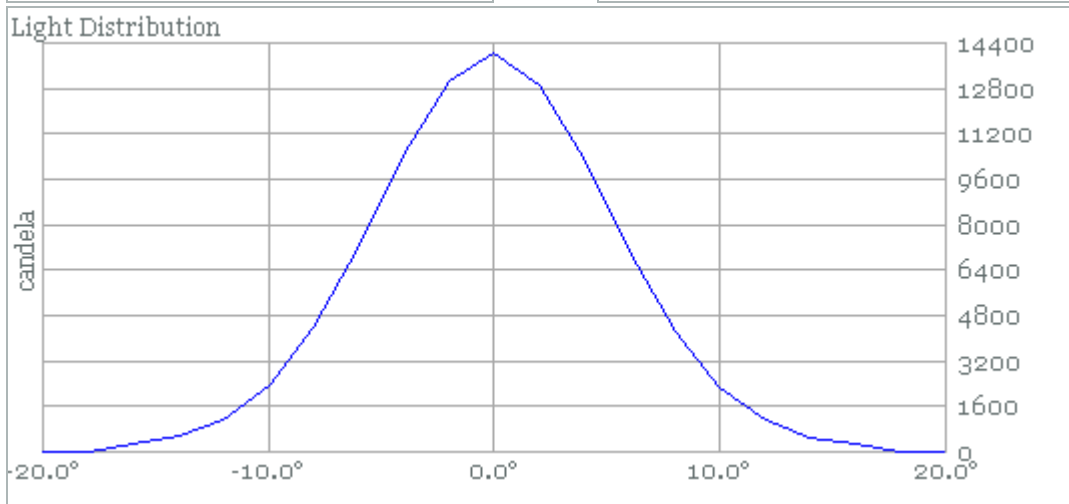
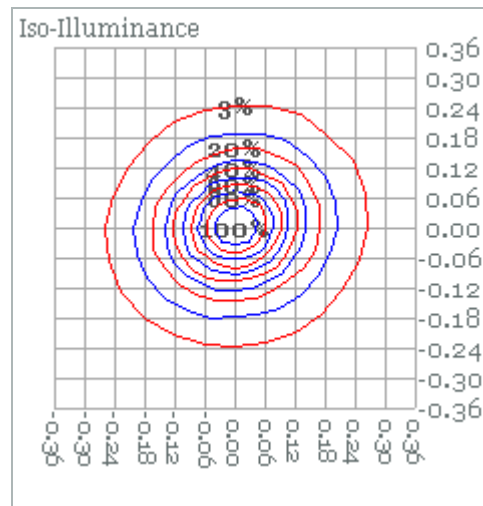
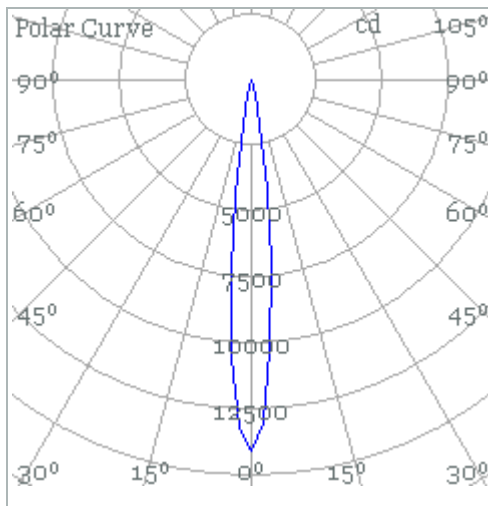
Standard (Only Red LEDs on. No Diffuser) (7.5°)

m.	Ø 50%	7.5°	E (lux)	Efficacy
				22.2 lumens per watt
5	0.7		1360	Half-peak diameter
10	1.3		340	0.13 X distance(m)
20	2.6		85	Illuminance
30	3.9		38	34000 / distance ² (lux)
50	6.6		14	Total Output
				710 (lumens)

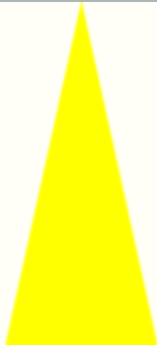


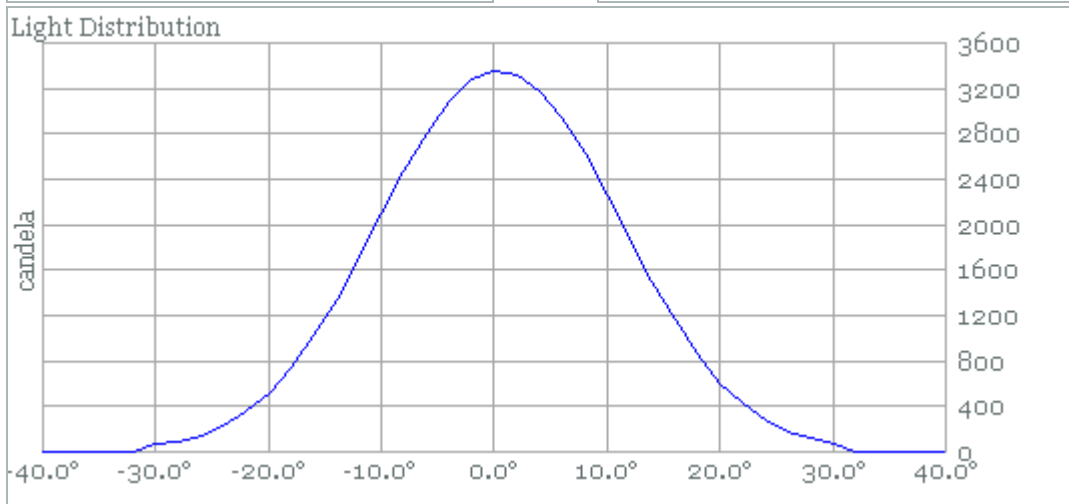
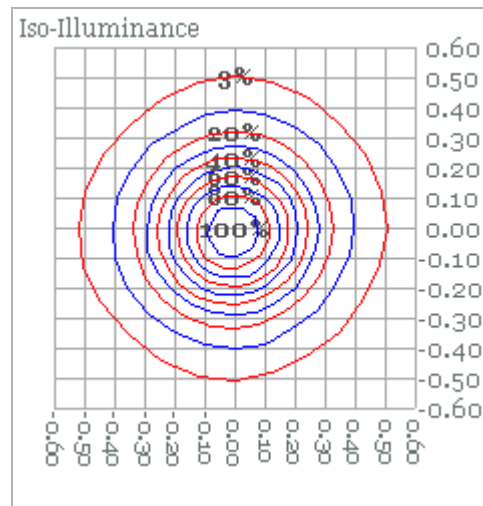
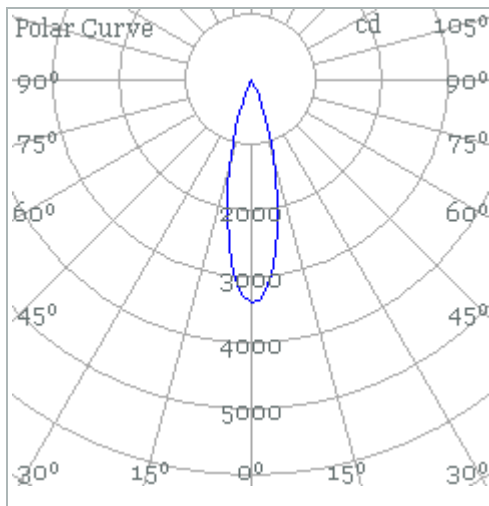
Narrow (Only Red LEDs on. Narrow Diffuser) (11.5°)

m.	Ø 50%	11.5°	E (lux)	Efficacy
5	1.0		560	21.2 lumens per watt
10	2.0		140	Half-peak diameter
20	4.0		35	0.20 X distance(m)
30	6.0		16	Illuminance
50	10.1		6	14000 / distance ² (lux)
				Total Output
				680 (lumens)

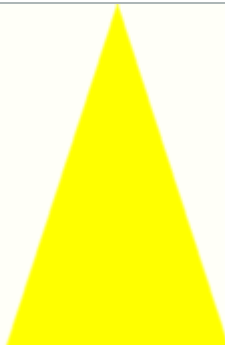


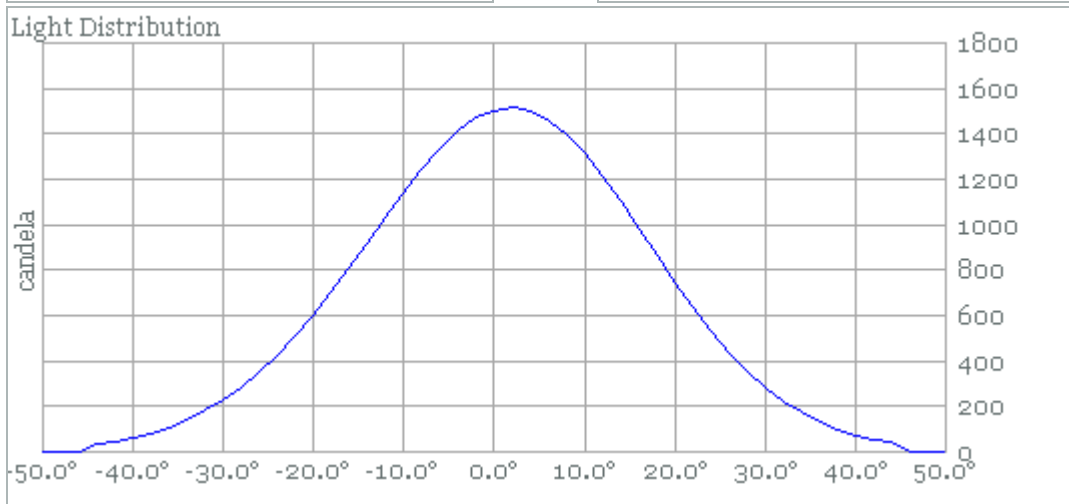
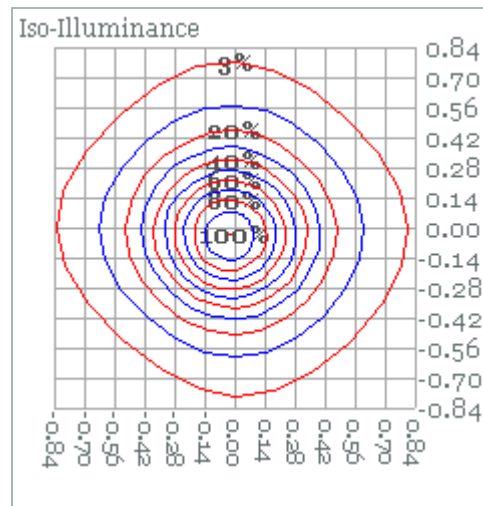
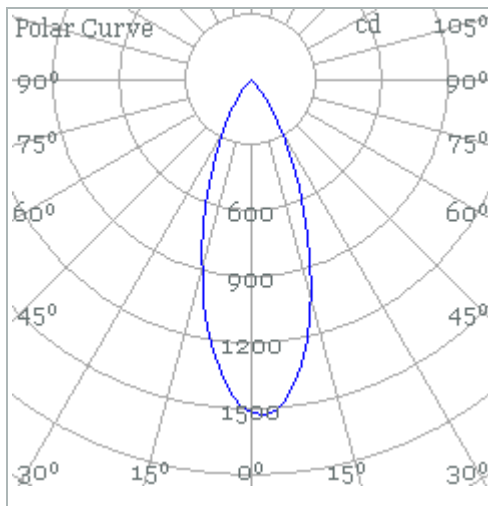
Medium (Only Red LEDs on. Medium Diffuser) (25°)

m.	Ø 50%	25°	E (lux)	Efficacy
				21.7 lumens per watt
5	2.2		136	Half-peak diameter
10	4.4		34	0.44 X distance(m)
20	8.9		9	Illuminance
30	13.3		4	3400 / distance ² (lux)
50	22.2		1	Total Output
				690 (lumens)

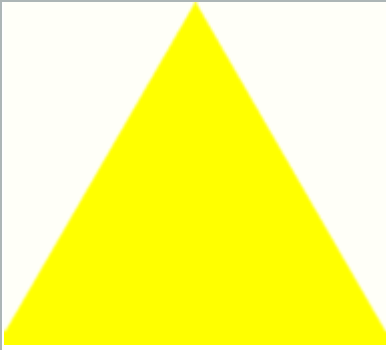


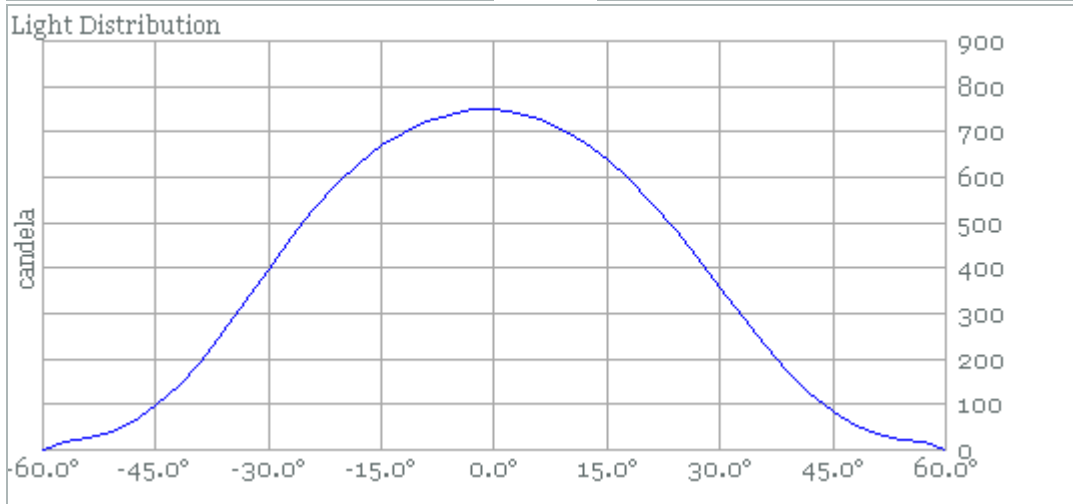
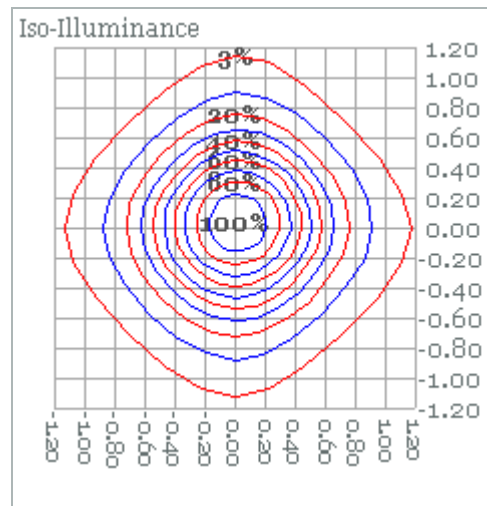
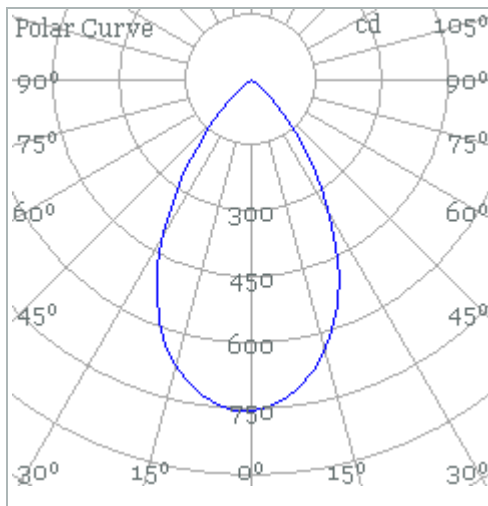
Wide (Only Red LEDs on. Wide Diffuser) (36°)

m.	Ø 50%	36°	E (lux)	Efficacy
5	3.2		60	21.1 lumens per watt
10	6.5		15	Half-peak diameter
20	13.0		4	0.65 X distance(m)
30	19.5		2	Illuminance
50	32.5		1	1500 / distance ² (lux)
				Total Output
				670 (lumens)

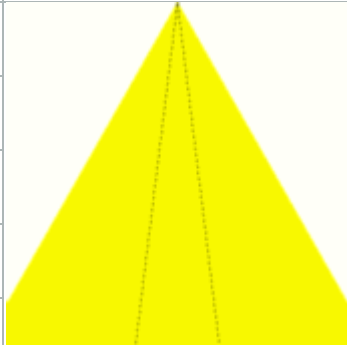


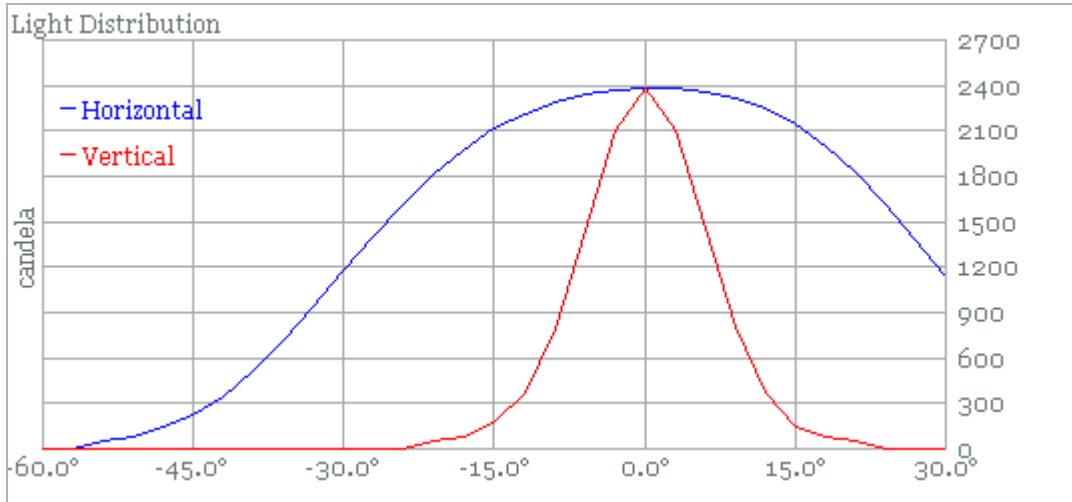
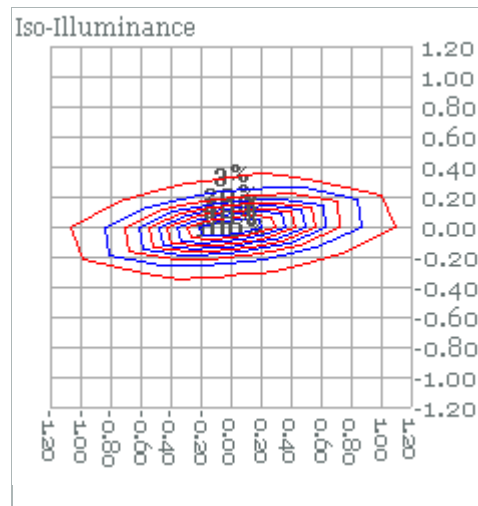
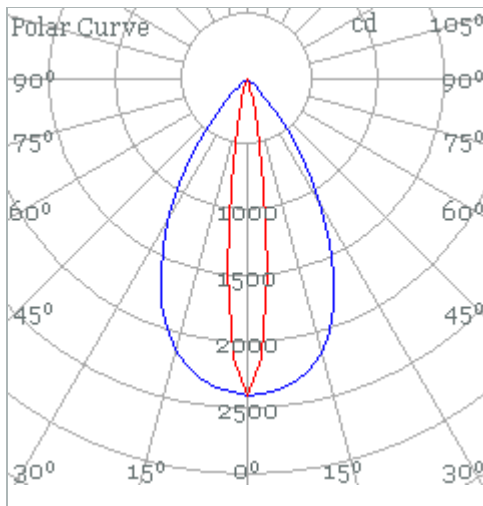
Very Wide (Only Red LEDs on. Very Wide Diffuser) (60°)

m.	Ø 50%	60°	E (lux)	Efficacy
5	5.8		30	23 lumens per watt
10	11.5		8	Half-peak diameter
20	23.1		2	1.15 X distance(m)
30	34.6		1	Illuminance
50	57.7		0	750 / distance ² (lux)
				Total Output
				740 (lumens)




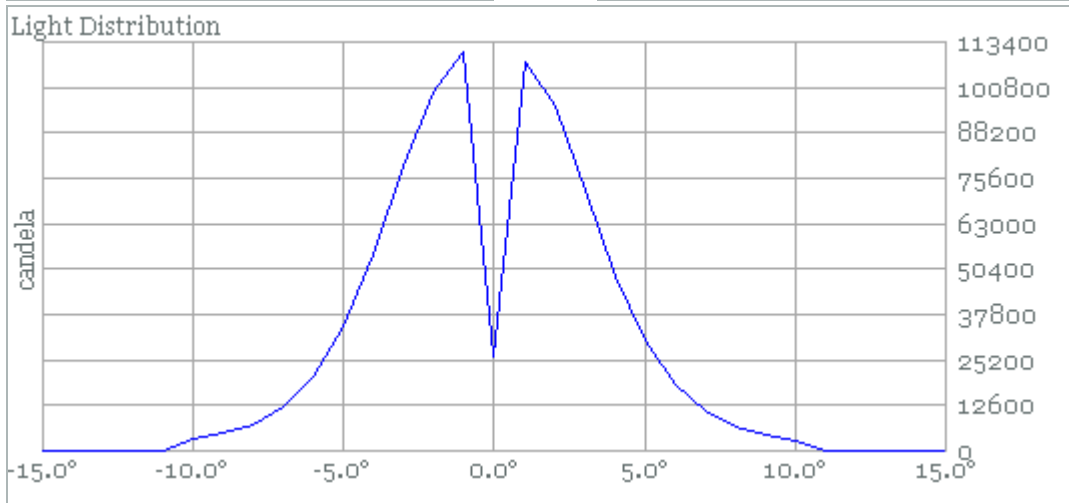
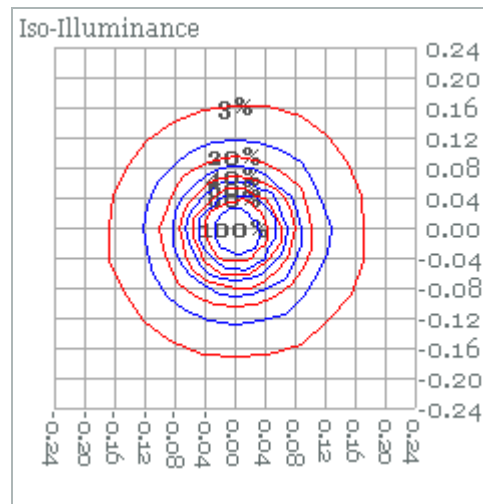
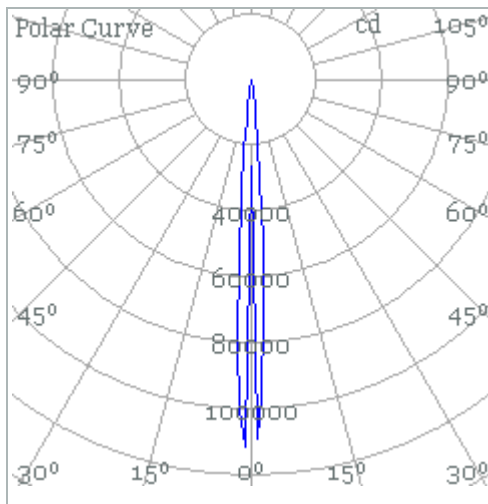
Standard with ellipsoidal beamshaper (Only Red LEDs on. Asymmetric Diffuser) (59° X 14.5°)

m.	Ø 50%		59° 14.5°	E (lux)	Efficacy
	C ₀	C ₉₀			21.9 lumens per watt
5	5.7	1.3		96	Half-peak diameter C ₀
10	11.3	2.5		24	1.13 X distance(m)
20	22.6	5.1		6	Half-peak diameter C ₉₀
30	33.9	7.6		3	0.25 X distance(m)
50	56.6	12.7		1	Illuminance
					2400 / distance ² (lux)
					Total Output
					700 (lumens)

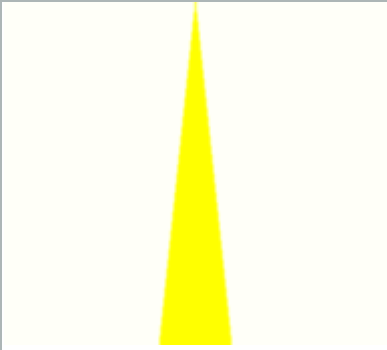


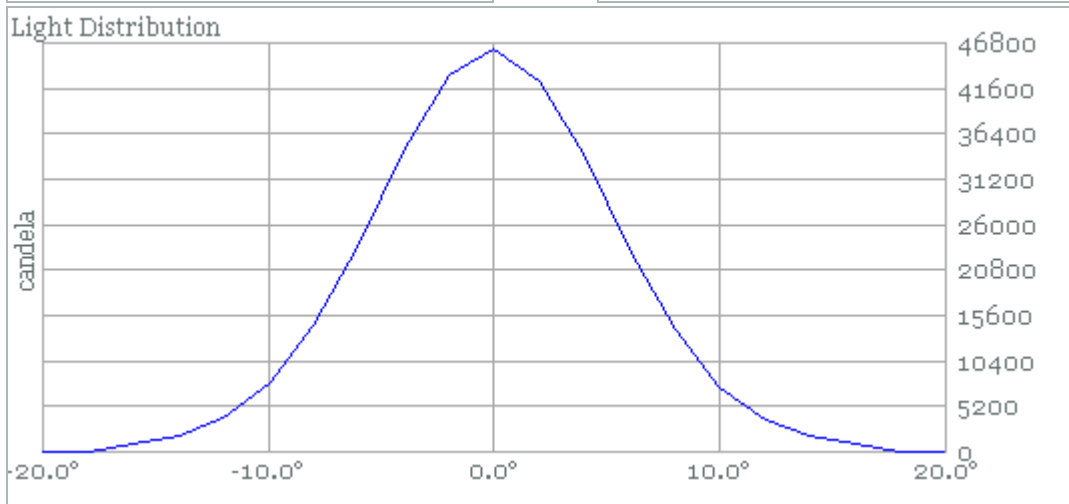
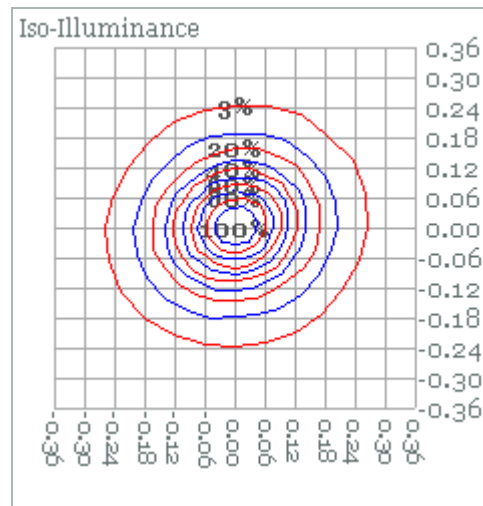
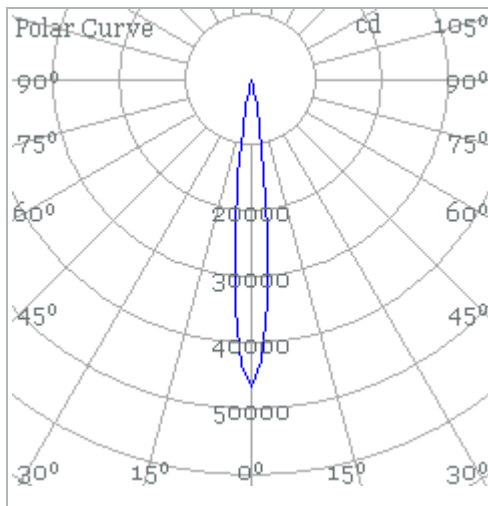
Standard (Only Green LEDs on. No Diffuser) (7.5°)

m.	Ø 50%	7.5°	E (lux)	Efficacy
				45.9 lumens per watt
5	0.7		4520	Half-peak diameter
10	1.3		1130	0.13 X distance(m)
20	2.6		283	Illuminance
30	3.9		126	113000 / distance ² (lux)
50	6.6		45	Total Output
				2300 (lumens)

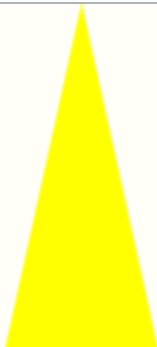


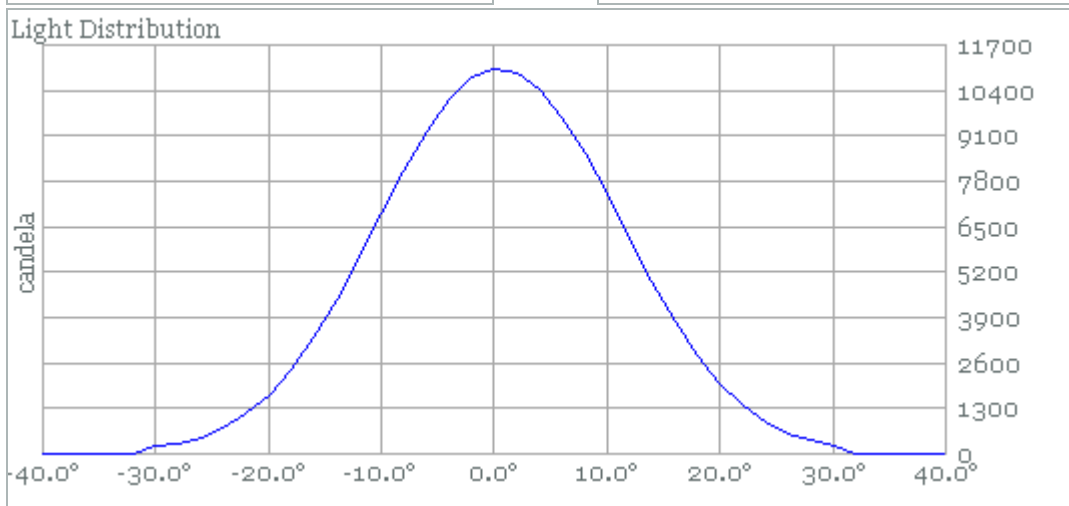
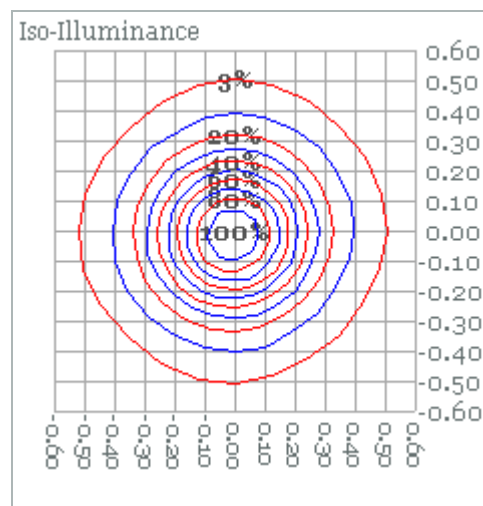
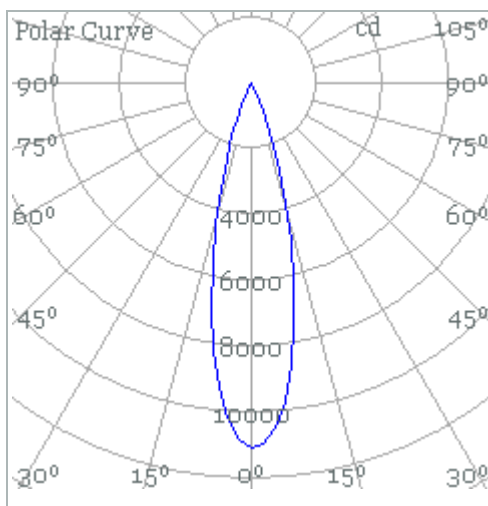
Narrow (Only Green LEDs on. Narrow Diffuser) (11.5°)

m.	Ø 50%	11.5°	E (lux)	Efficacy
5	1.0		1840	43.7 lumens per watt
10	2.0		460	Half-peak diameter
20	4.0		115	0.20 X distance(m)
30	6.0		51	Illuminance
50	10.1		18	46000 / distance ² (lux)
				Total Output
				2200 (lumens)




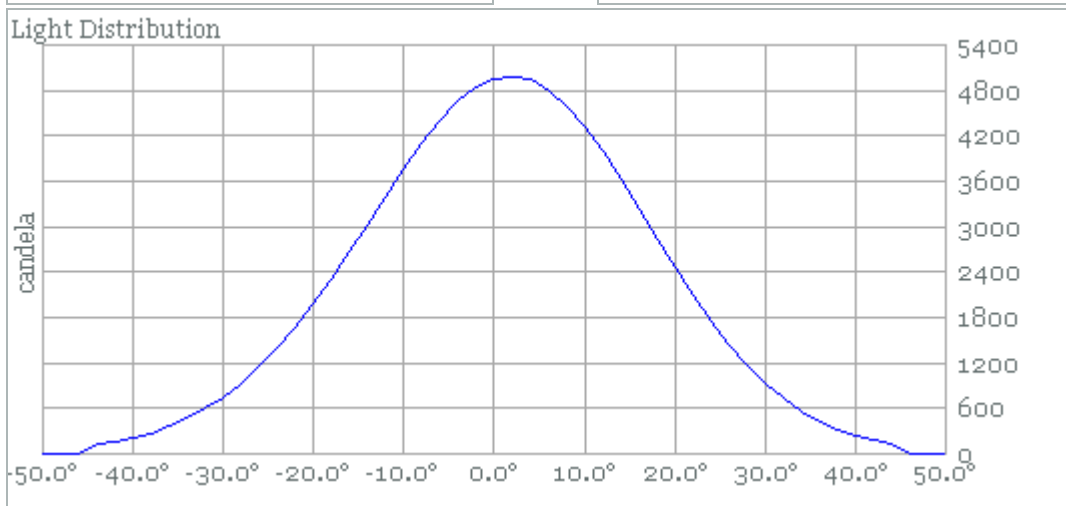
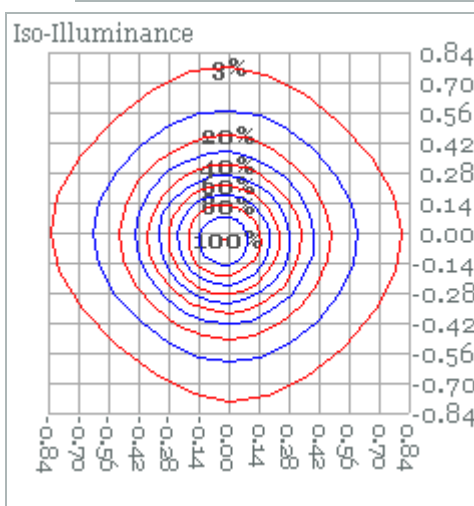
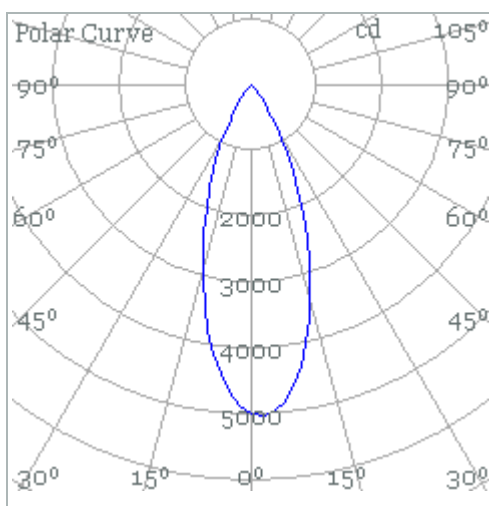
Medium (Only Green LEDs on. Medium Diffuser) (25°)

m.	Ø 50%	25°	E (lux)	Efficacy
5	2.2		440	44.6 lumens per watt
10	4.4		110	Half-peak diameter
20	8.9		28	0.44 X distance(m)
30	13.3		12	Illuminance
50	22.2		4	11000 / distance ² (lux)
				Total Output
				2300 (lumens)

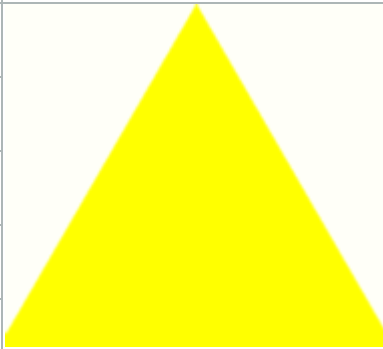


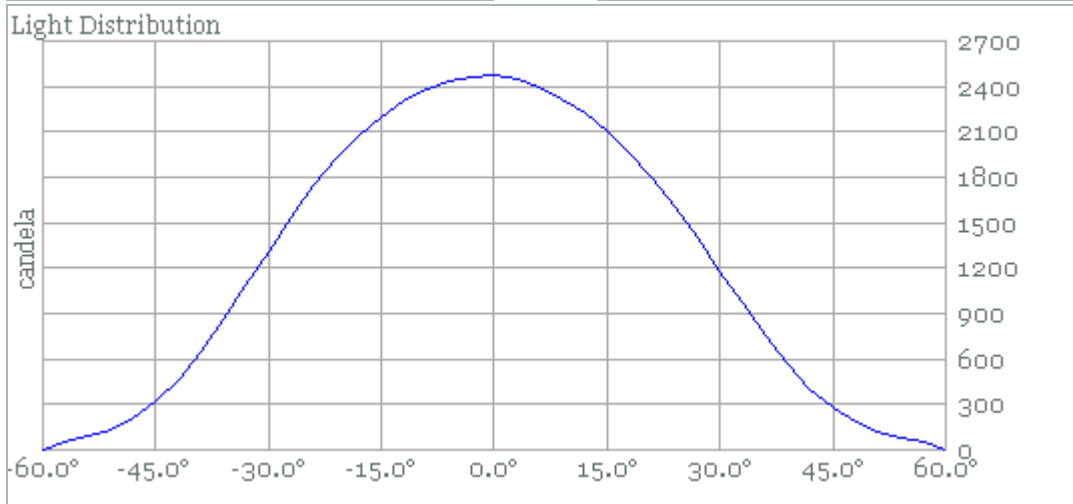
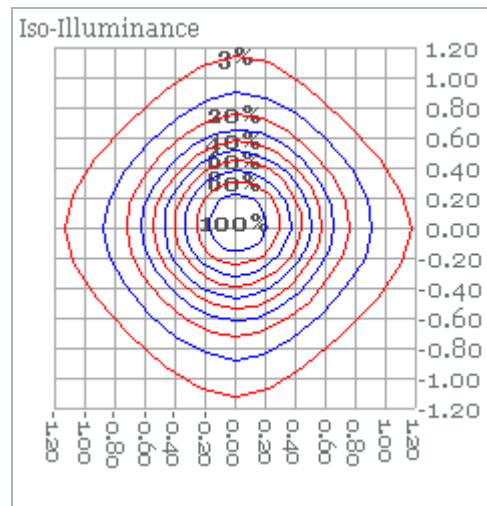
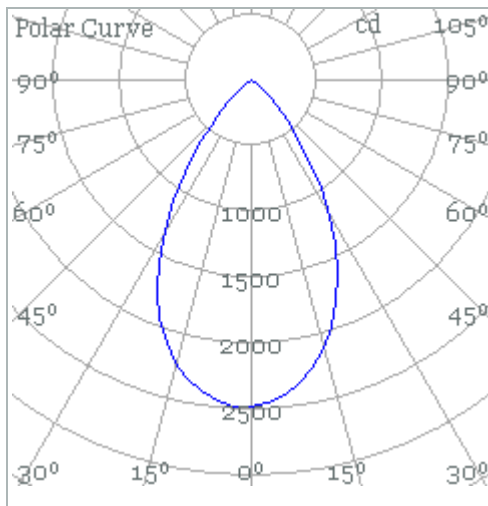
Wide (Only Green LEDs on. Wide Diffuser) (36°)

m.	Ø 50%	36°	E (lux)	Efficacy
5	3.2		200	43.5 lumens per watt
10	6.5		50	Half-peak diameter
20	13.0		13	0.65 X distance(m)
30	19.5		6	Illuminance
50	32.5		2	5000 / distance ² (lux)
				Total Output
				2200 (lumens)



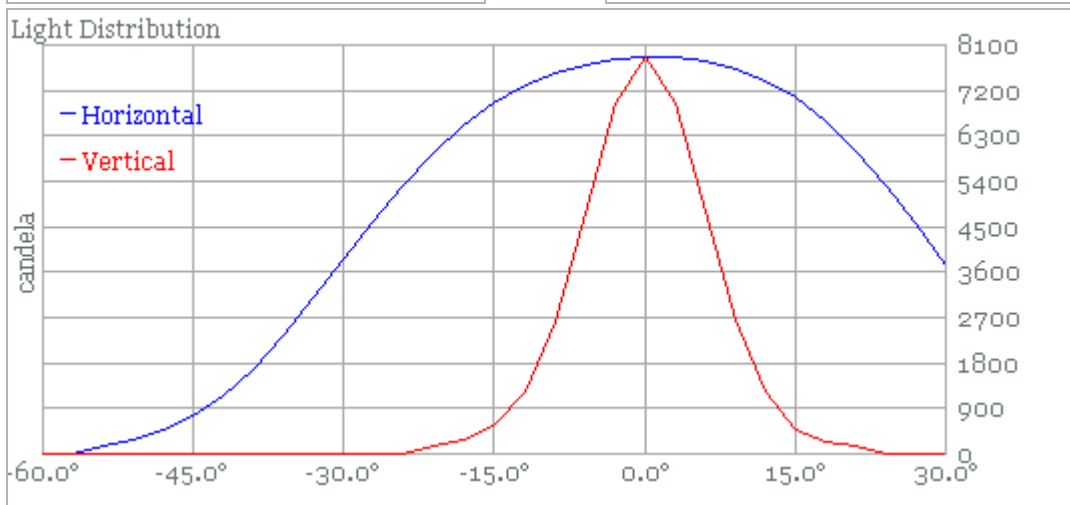
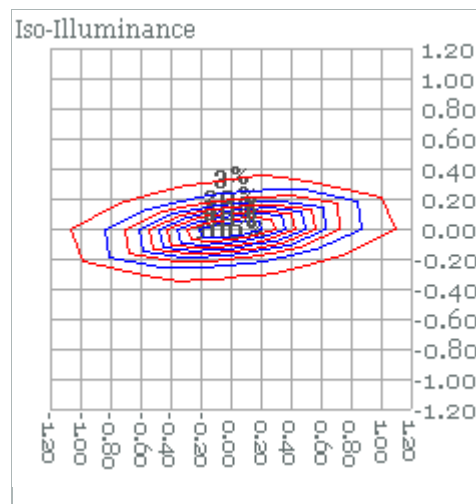
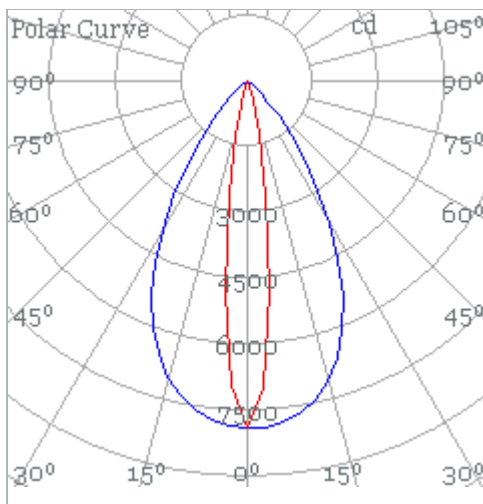
Very Wide (Only Green LEDs on. Very Wide Diffuser) (60°)

m.	Ø 50%	60°	E (lux)	Efficacy
5	5.8		100	47.5 lumens per watt
10	11.5		25	Half-peak diameter
20	23.1		6	1.15 X distance(m)
30	34.6		3	Illuminance
50	57.7		1	2500 / distance ² (lux)
				Total Output
				2400 (lumens)




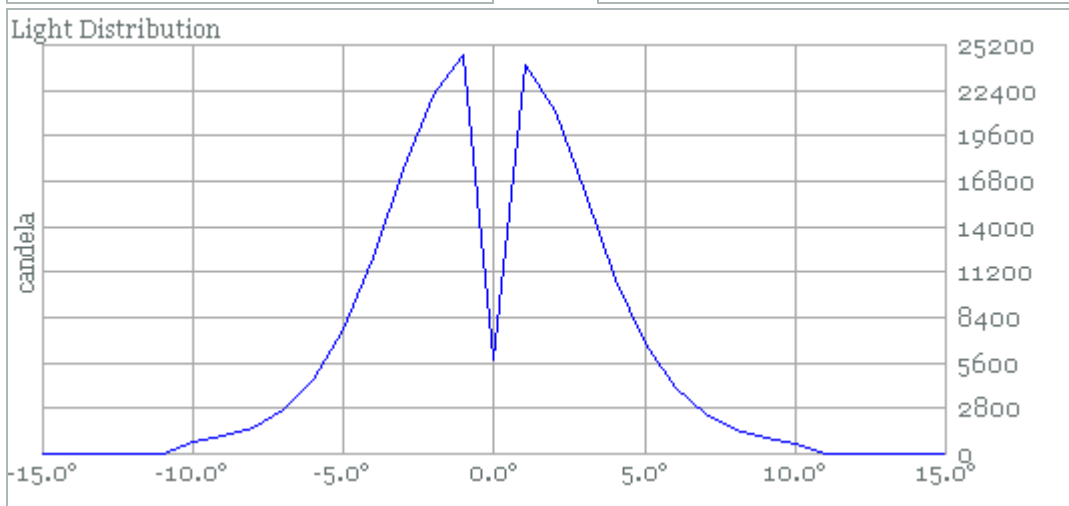
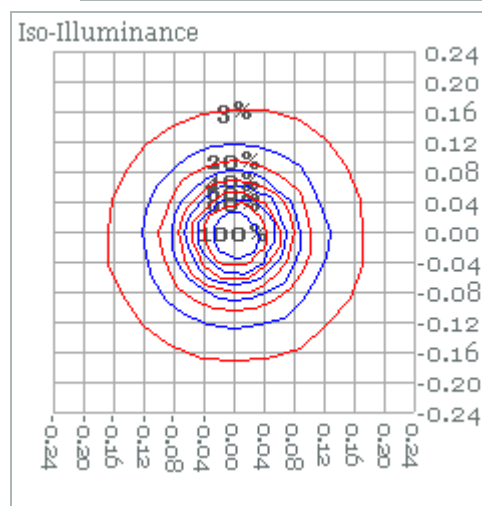
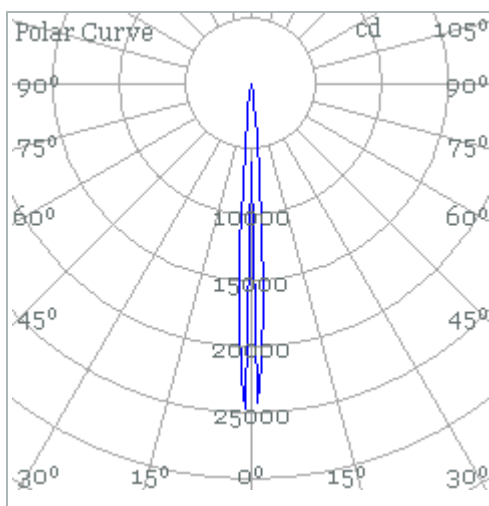
Standard with ellipsoidal beamshaper (Only Green LEDs on. Asymmetric Diffuser) (59° X 14.5°)

m.	Ø 50%		59° 14.5°	E (lux)	Efficacy
	C ₀	C ₉₀			45.2 lumens per watt
5	5.7	1.3		316	Half-peak diameter C ₀
10	11.3	2.5		79	1.13 X distance(m)
20	22.6	5.1		20	Half-peak diameter C ₉₀
30	33.9	7.6		9	0.25 X distance(m)
50	56.6	12.7		3	Illuminance
					7900 / distance ² (lux)
					Total Output
					2300 (lumens)




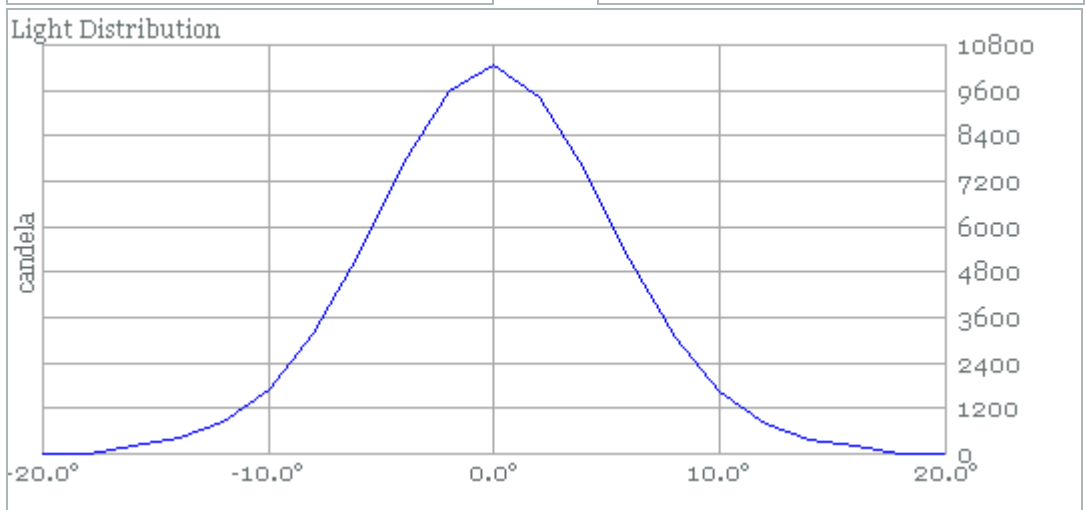
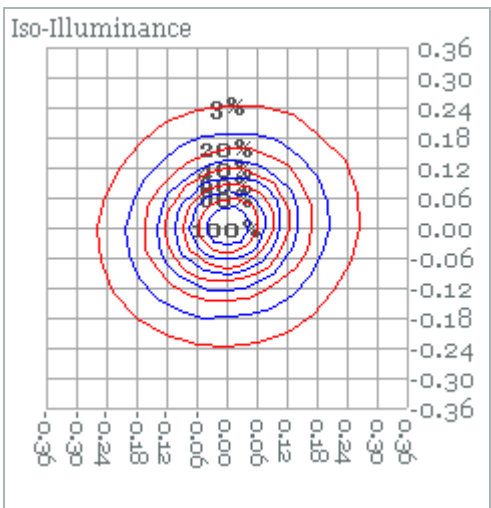
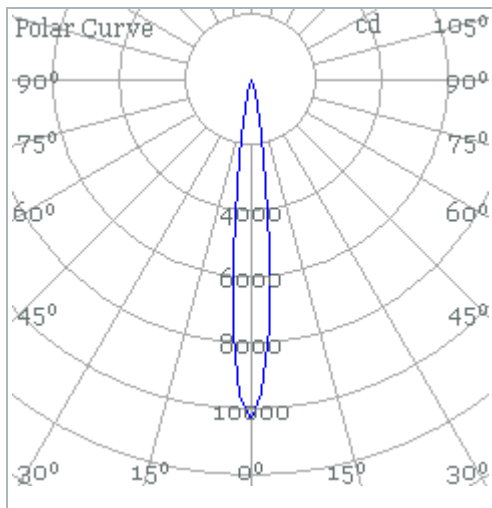
Standard (Only Blue LEDs on. No Diffuser) (7.5°)

m.	Ø 50%		E (lux)	Efficacy
5	0.7		1000	11.1 lumens per watt
10	1.3		250	Half-peak diameter
20	2.6		63	0.13 X distance(m)
30	3.9		28	Illuminance
50	6.6		10	25000 / distance ² (lux)
			Total Output	
			520 (lumens)	

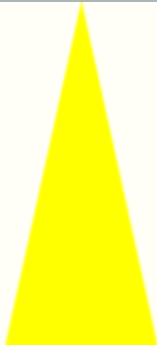


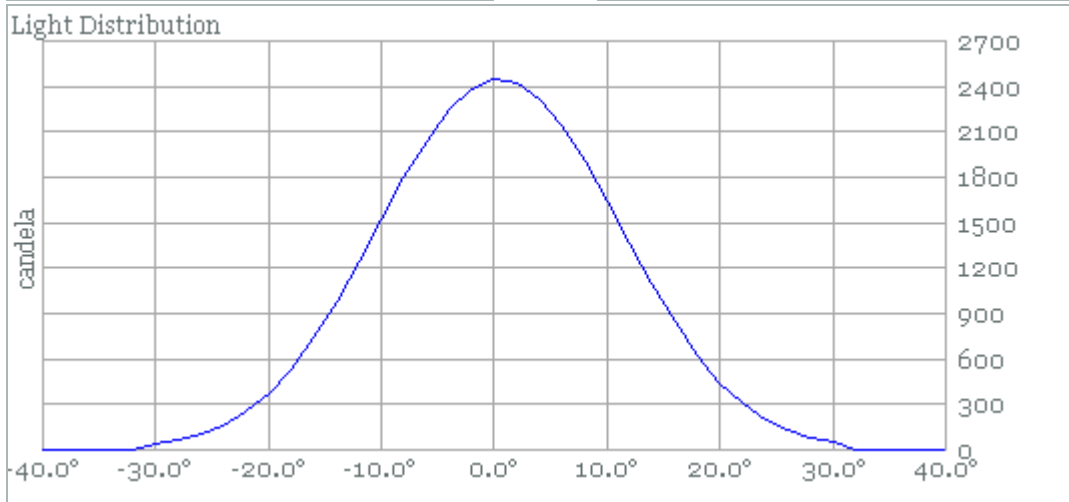
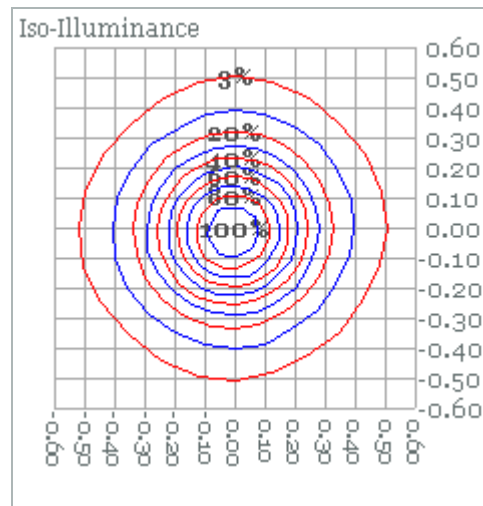
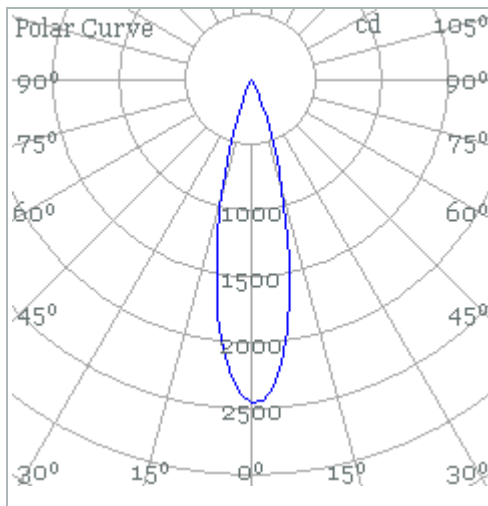
Narrow (Only Blue LEDs on. Narrow Diffuser) (11.5°)

m.	Ø 50%	11.5°	E (lux)	Efficacy
5	1.0		400	10.5 lumens per watt
10	2.0		100	Half-peak diameter
20	4.0		25	0.20 X distance(m)
30	6.0		11	Illuminance
50	10.1		4	10000 / distance ² (lux)
				Total Output
				500 (lumens)




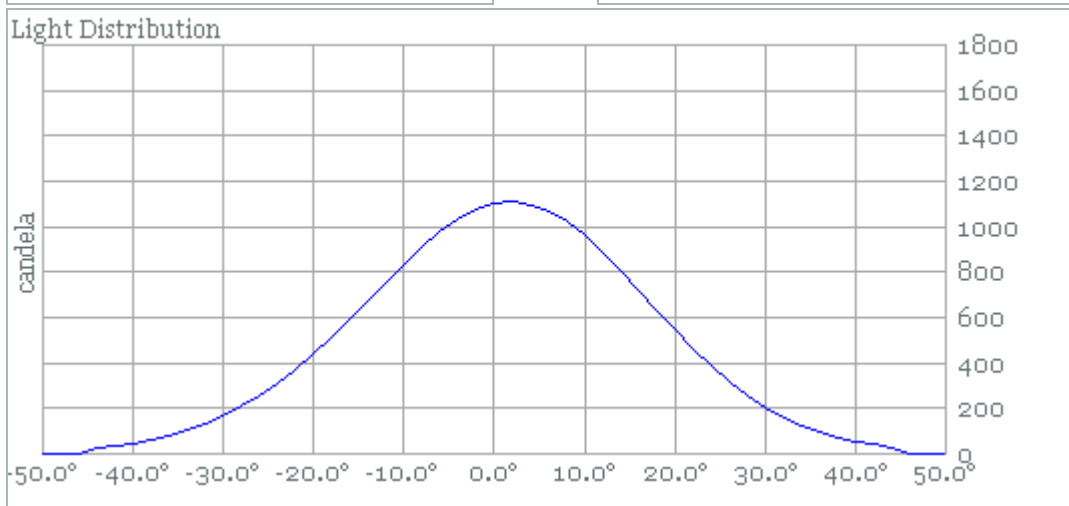
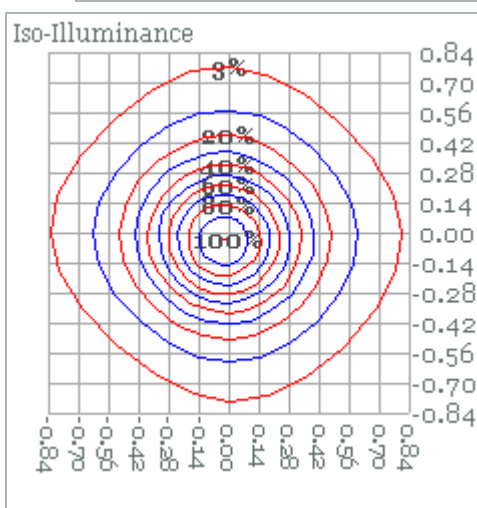
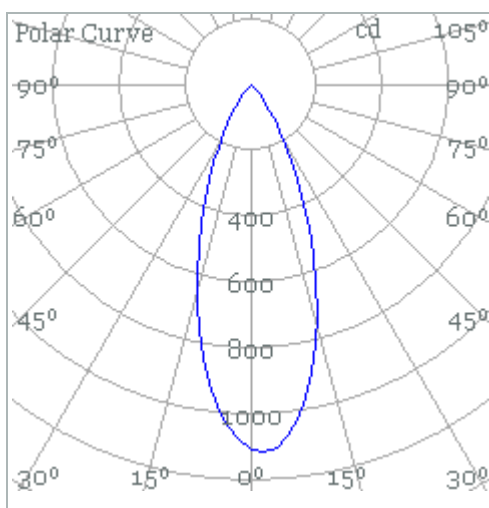
Medium (Only Blue LEDs on. Medium Diffuser) (25°)

m.	Ø 50%	25°	E (lux)	Efficacy
5	2.2		96	10.7 lumens per watt
10	4.4		24	Half-peak diameter
20	8.9		6	0.44 X distance(m)
30	13.3		3	Illuminance
50	22.2		1	2400 / distance ² (lux)
				Total Output
				500 (lumens)

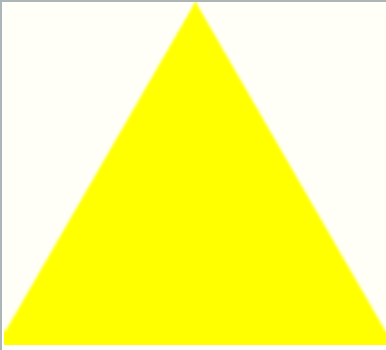


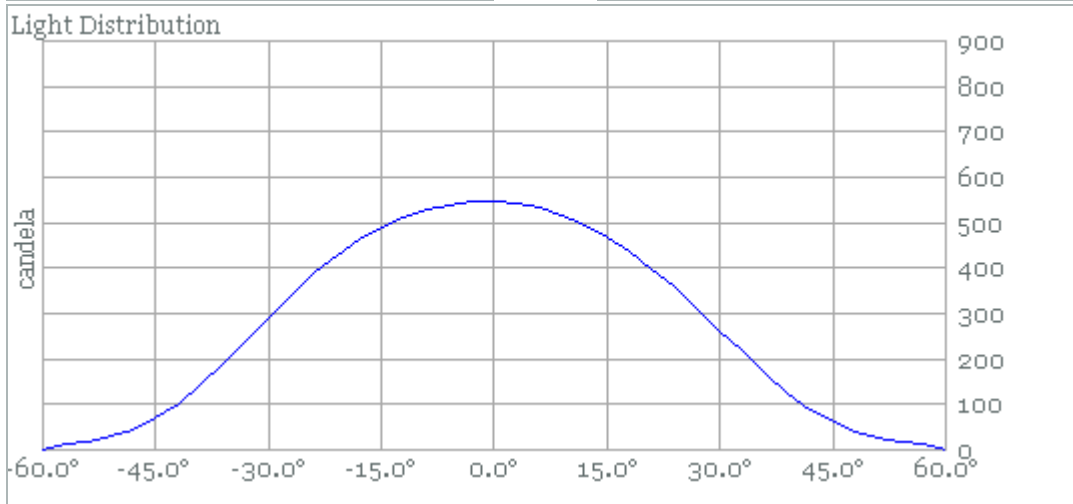
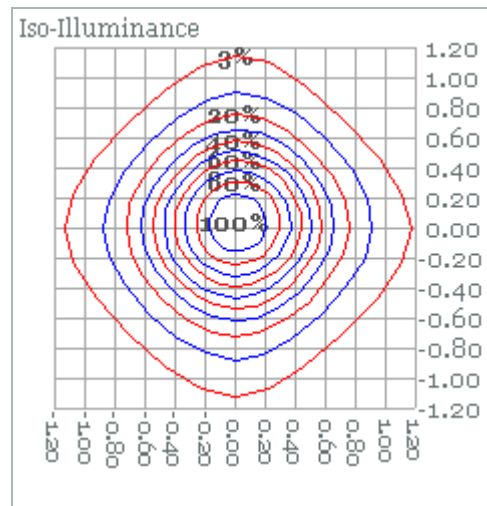
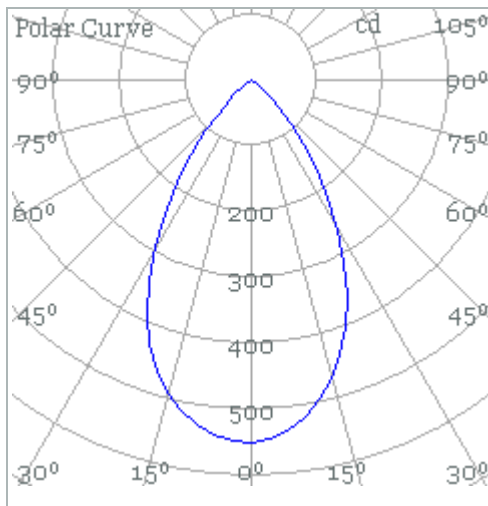
Wide (Only Blue LEDs on. Wide Diffuser) (36°)

m.	Ø 50%	36°	E (lux)	Efficacy
5	3.2		44	10.5 lumens per watt
10	6.5		11	Half-peak diameter
20	13.0		3	0.65 X distance(m)
30	19.5		1	Illuminance
50	32.5		0	1100 / distance ² (lux)
				Total Output
				490 (lumens)

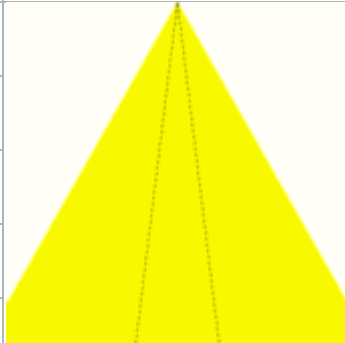


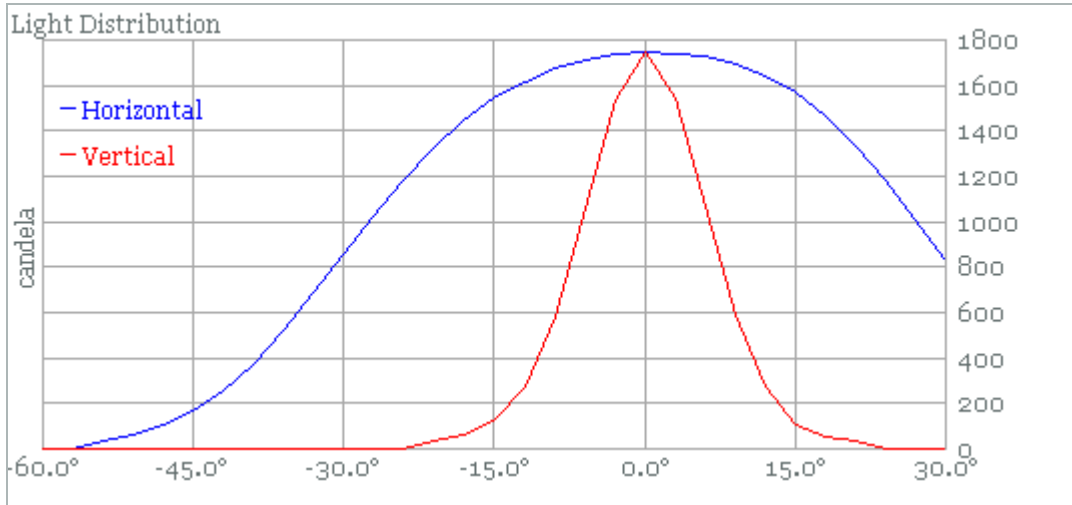
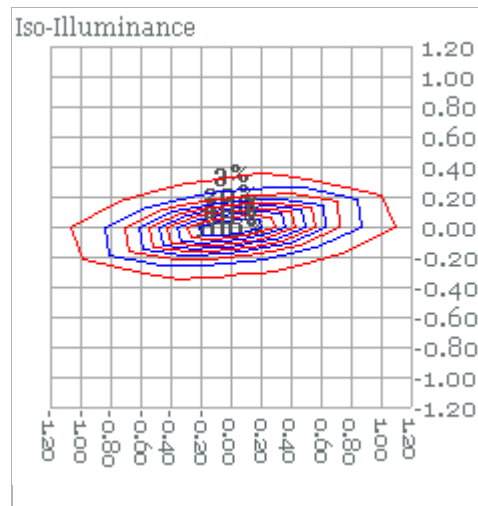
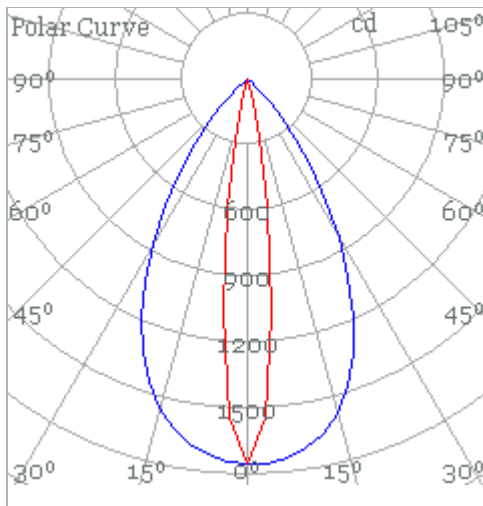
Very Wide (Only Blue LEDs on. Very Wide Diffuser) (60°)

m.	Ø 50%	60°	E (lux)	Efficacy
5	5.8		22	11.5 lumens per watt
10	11.5		6	Half-peak diameter
20	23.1		1	1.15 X distance(m)
30	34.6		1	Illuminance
50	57.7		0	550 / distance ² (lux)
				Total Output
				540 (lumens)




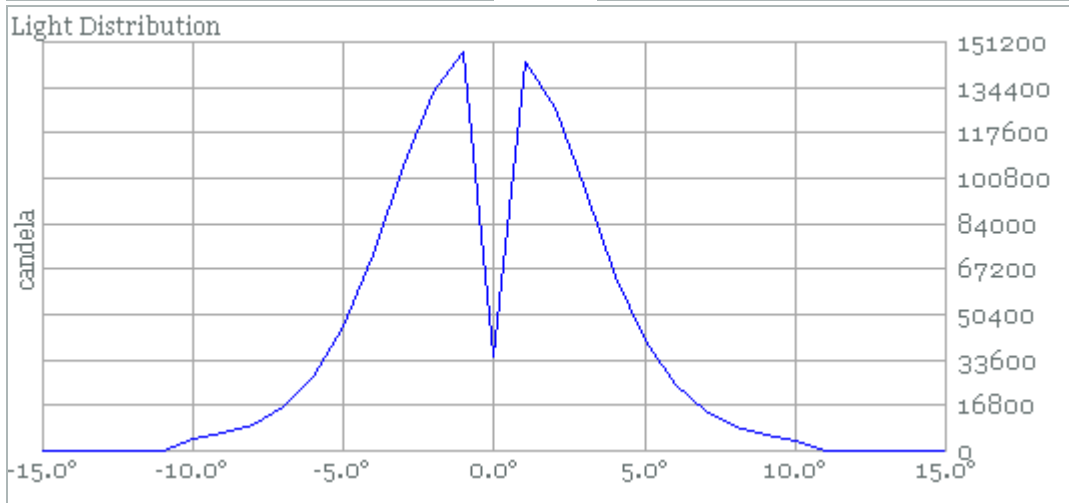
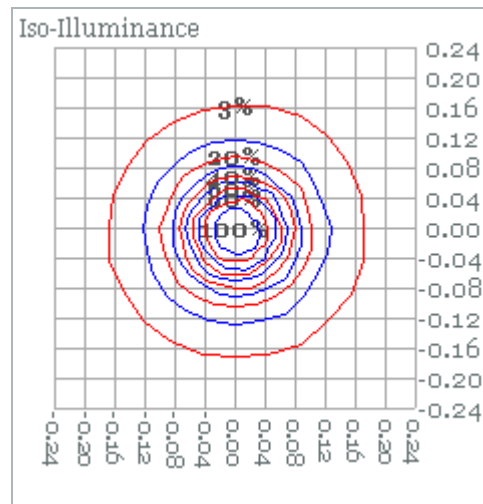
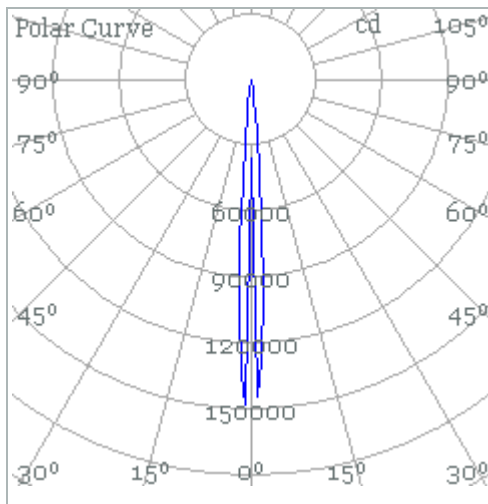
Standard with ellipsoidal beamshaper (Only Blue LEDs on. Asymmetric Diffuser) (59° X 14.5°)

m.	Ø 50%		59° 14.5°	E (lux)	Efficacy
	C ₀	C ₉₀			10.9 lumens per watt
5	5.7	1.3		68	Half-peak diameter C ₀
10	11.3	2.5		17	1.13 X distance(m)
20	22.6	5.1		4	Half-peak diameter C ₉₀
30	33.9	7.6		2	0.25 X distance(m)
50	56.6	12.7		1	Illuminance
					1700 / distance ² (lux)
					Total Output
					510 (lumens)

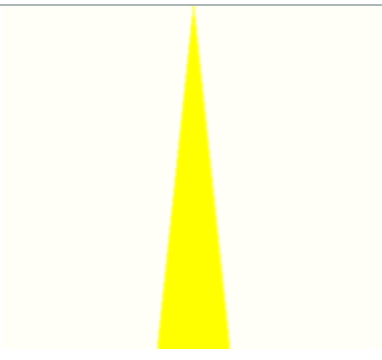


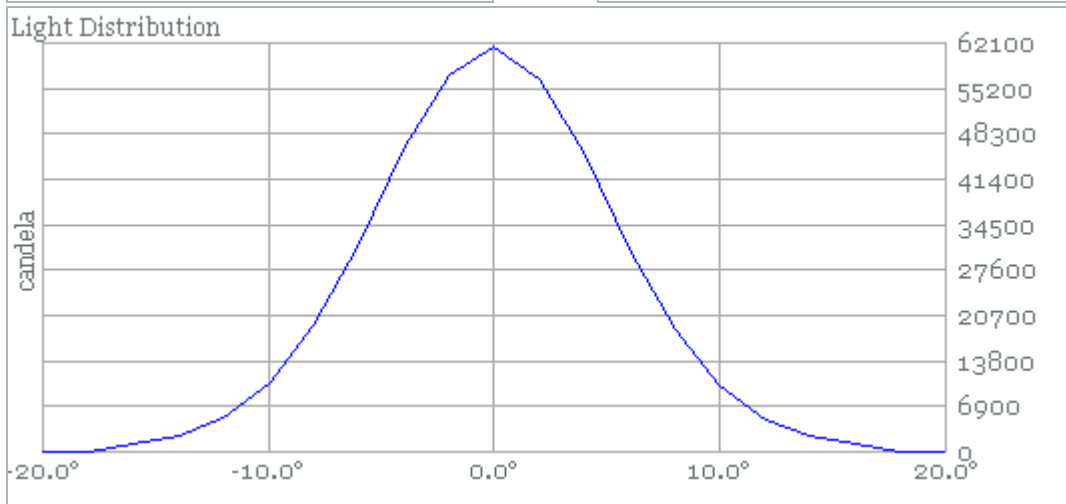
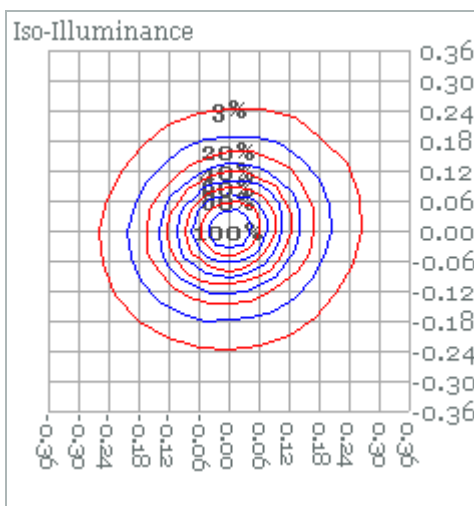
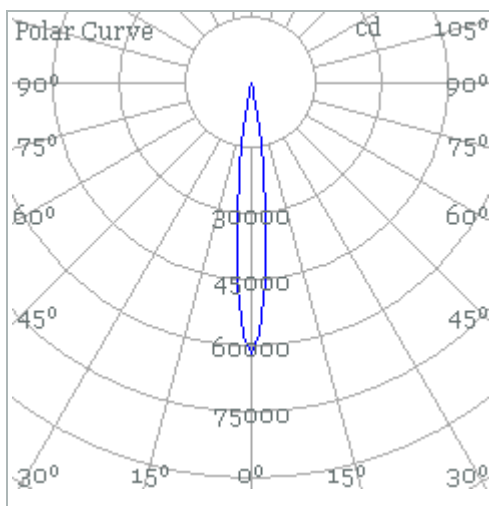
Standard (Only White LEDs on. No Diffuser) (7.5°)

m.	Ø 50%	7.5°	E (lux)	Efficacy
				63.6 lumens per watt
5	0.7		6040	Half-peak diameter
10	1.3		1510	0.13 X distance(m)
20	2.6		378	Illuminance
30	3.9		168	151000 / distance ² (lux)
50	6.6		60	Total Output
				3100 (lumens)

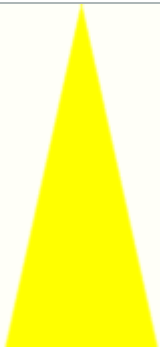


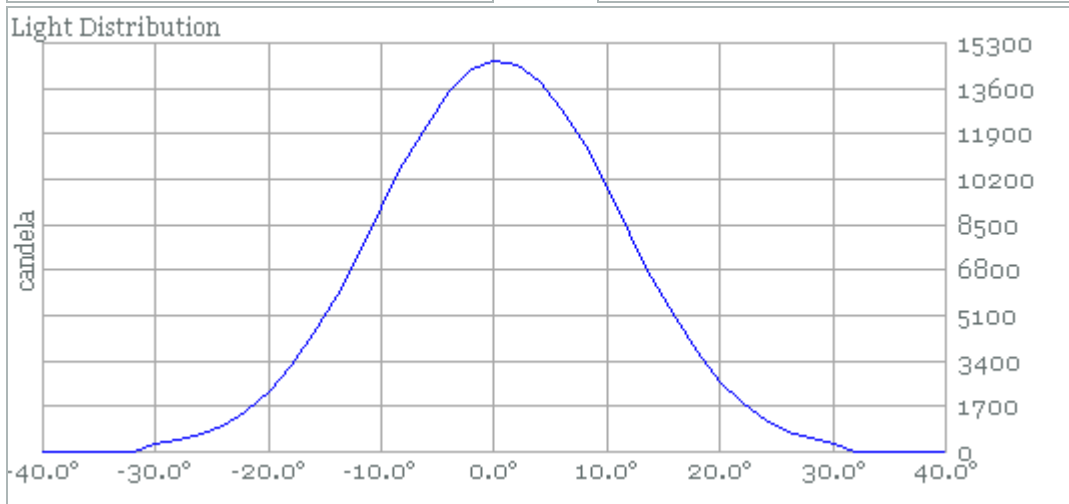
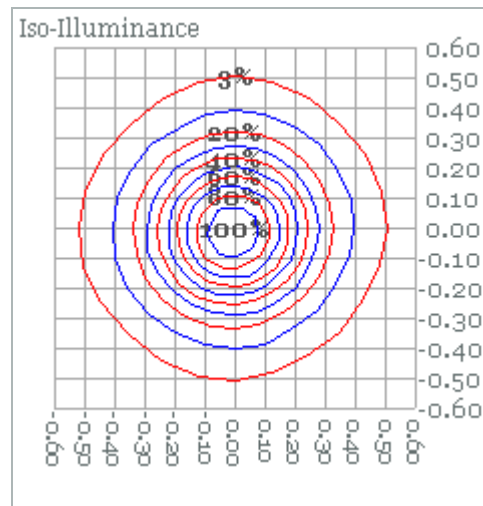
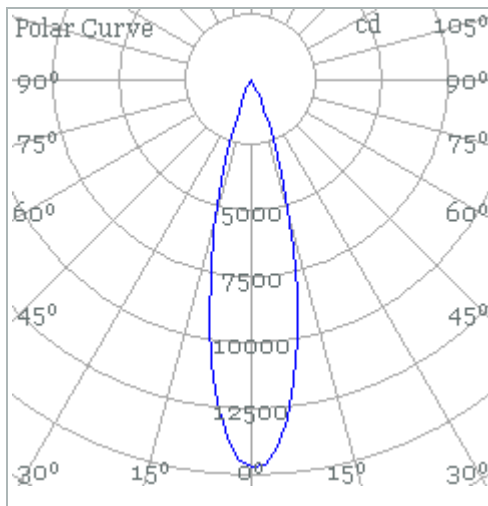
Narrow (Only White LEDs on. Narrow Diffuser) (11.5°)

m.	Ø 50%		E (lux)	Efficacy
5	1.0		2480	60.6 lumens per watt
10	2.0		620	Half-peak diameter
20	4.0		155	0.20 X distance(m)
30	6.0		69	Illuminance
50	10.1		25	62000 / distance ² (lux)
			Total Output	
			3000 (lumens)	

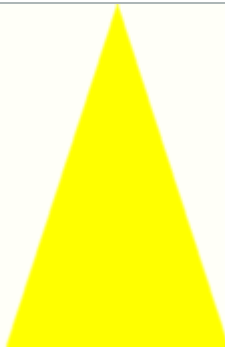


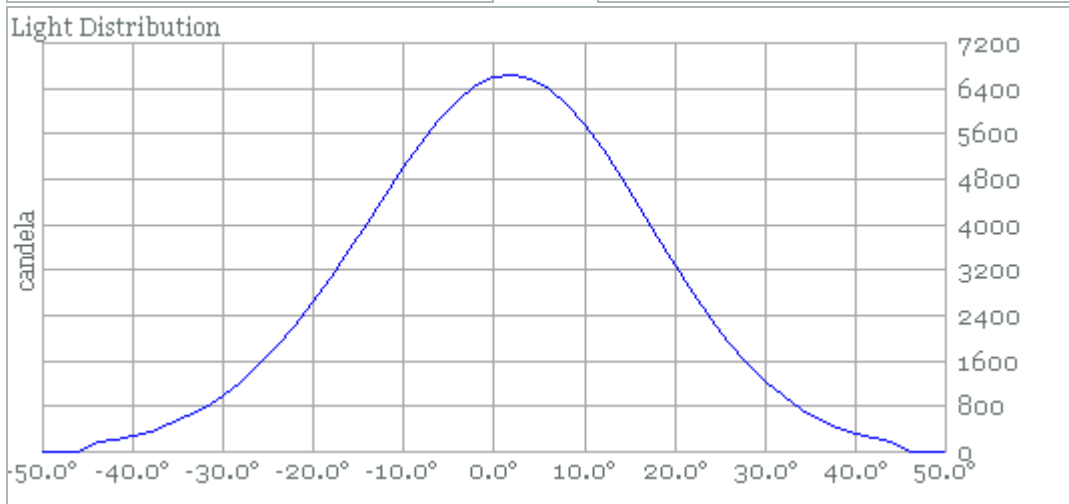
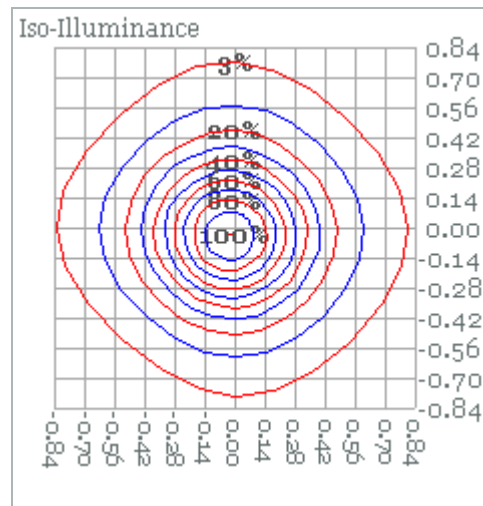
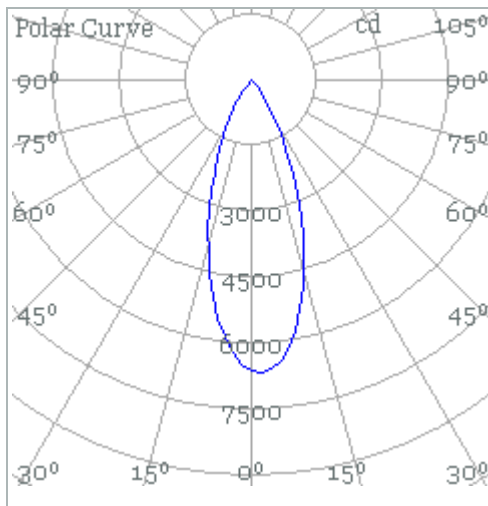
Medium (Only White LEDs on. Medium Diffuser) (25°)

m.	Ø 50%	25°	E (lux)	Efficacy
5	2.2		600	61.7 lumens per watt
10	4.4		150	Half-peak diameter
20	8.9		38	0.44 X distance(m)
30	13.3		17	Illuminance
50	22.2		6	15000 / distance ² (lux)
				Total Output
				3000 (lumens)

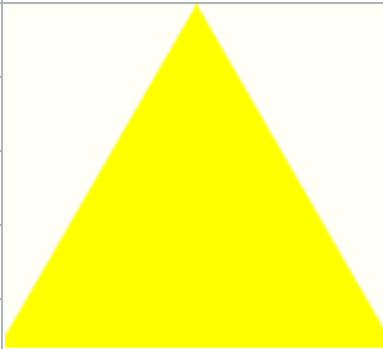


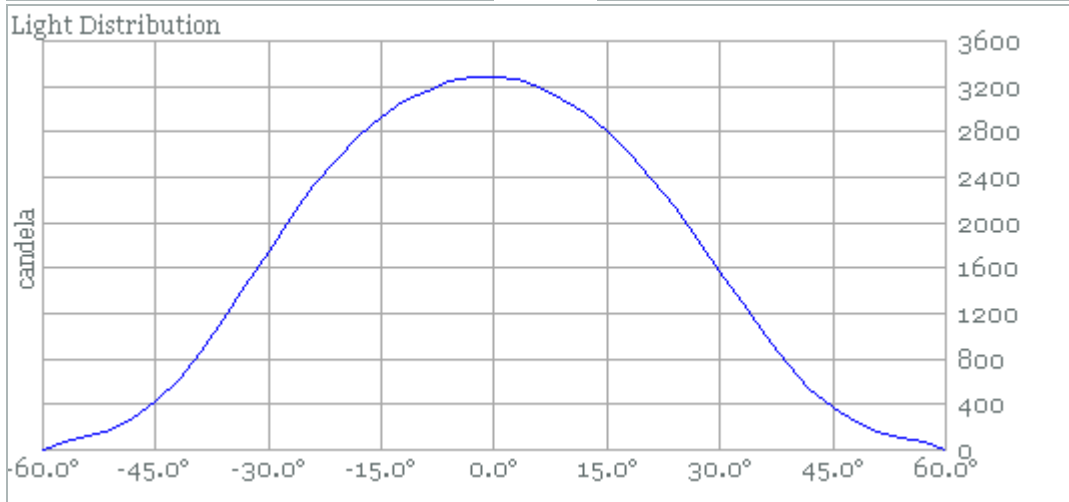
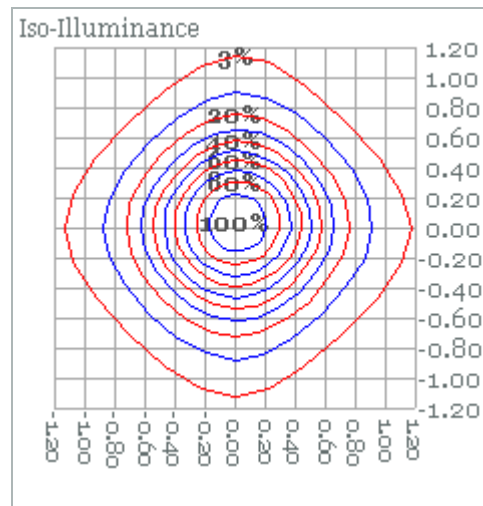
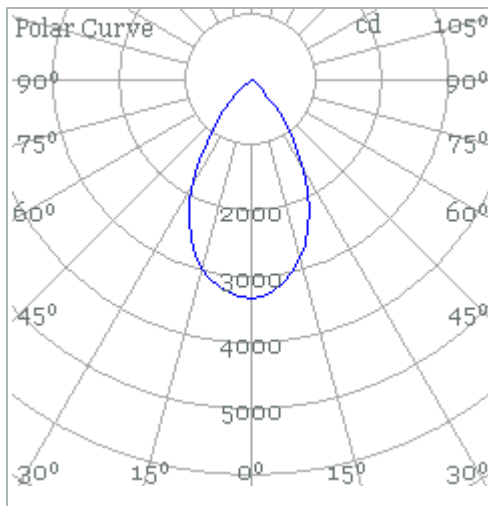
Wide (Only White LEDs on. Wide Diffuser) (36°)

m.	Ø 50%	36°	E (lux)	Efficacy
5	3.2		268	60.3 lumens per watt
10	6.5		67	Half-peak diameter
20	13.0		17	0.65 X distance(m)
30	19.5		7	Illuminance
50	32.5		3	6700 / distance ² (lux)
				Total Output
				3000 (lumens)

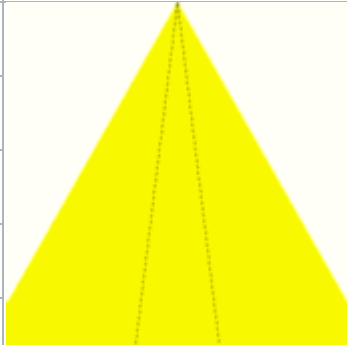


Very Wide (Only White LEDs on. Very Wide Diffuser) (60°)

m.	Ø 50%	60°	E (lux)	Efficacy
5	5.8		132	65.9 lumens per watt
10	11.5		33	Half-peak diameter
20	23.1		8	1.15 X distance(m)
30	34.6		4	Illuminance
50	57.7		1	3300 / distance ² (lux)
				Total Output
				3200 (lumens)



Standard with ellipsoidal beamshaper (Only White LEDs on. Asymmetric Diffuser) (59° X 14.5°)

m.	Ø 50%		59° 14.5°	E (lux)	Efficacy
	C ₀	C ₉₀			62.7 lumens per watt
5	5.7	1.3		400	Half-peak diameter C ₀
10	11.3	2.5		100	1.13 X distance(m)
20	22.6	5.1		25	Half-peak diameter C ₉₀
30	33.9	7.6		11	0.25 X distance(m)
50	56.6	12.7		4	Illuminance
					10000 / distance ² (lux)
					Total Output
					3100 (lumens)

