
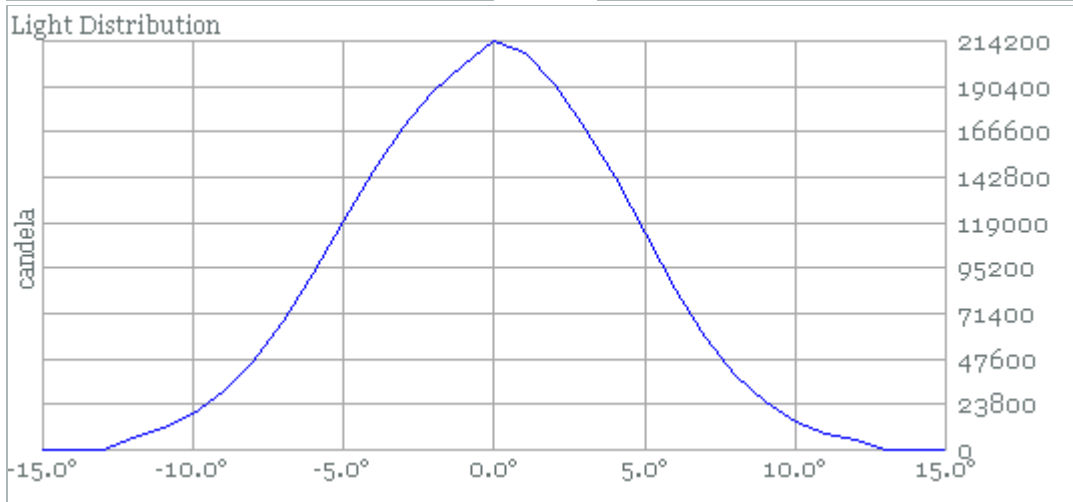
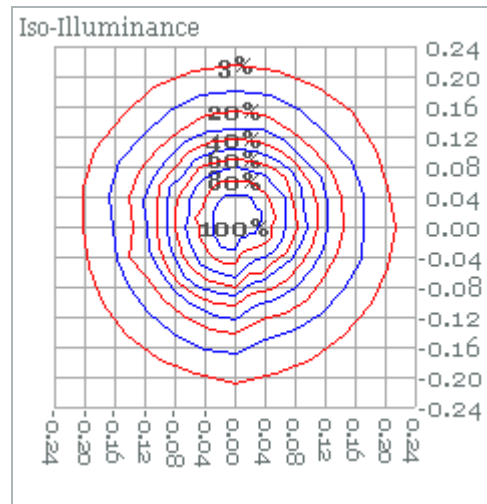
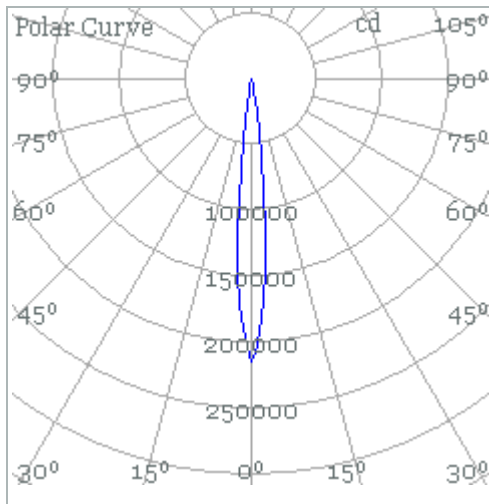



Exterior Wash 310 Photometrics

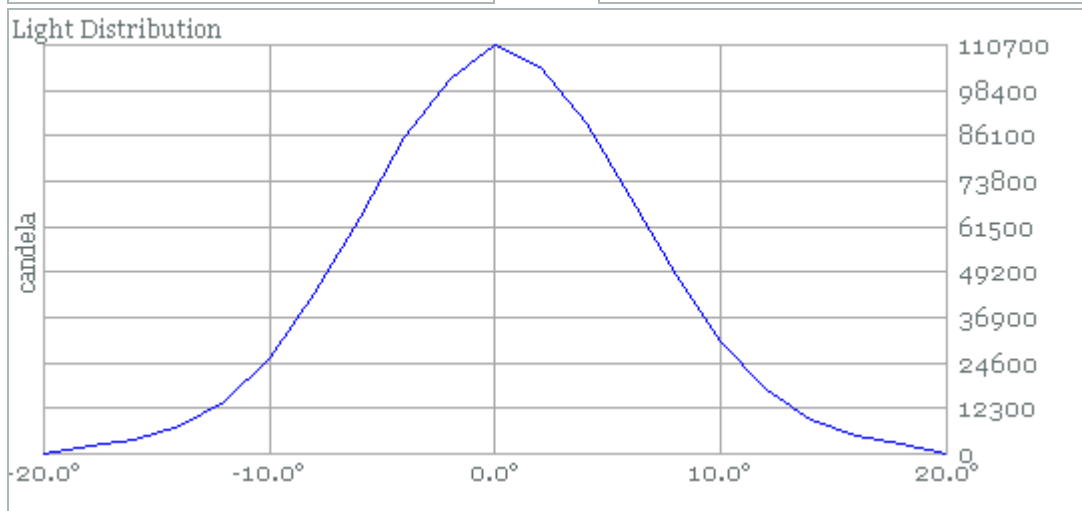
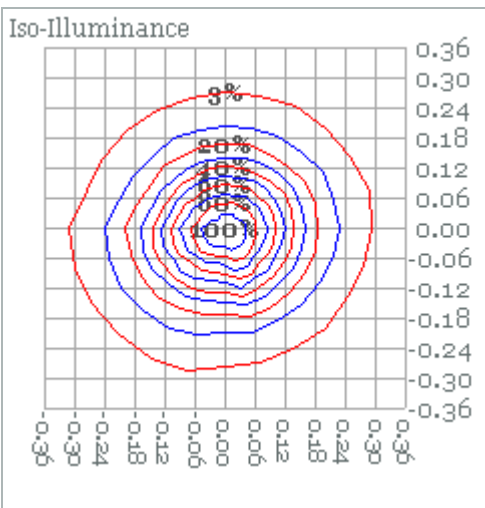
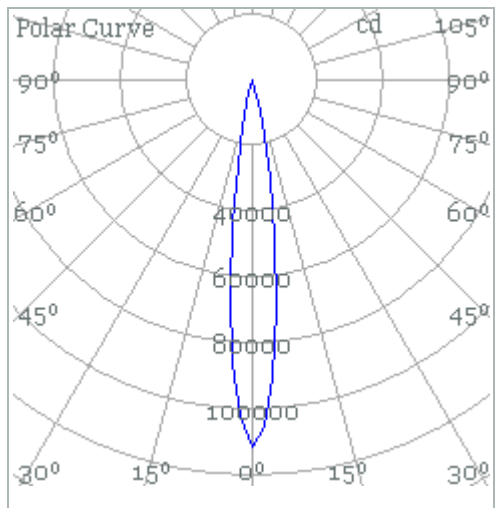
Standard (All LEDs on. Balanced White. No Diffuser.) (11°)

m.	Ø 50%	11°	E (lux)	Efficacy
				31.6 lumens per watt
5	1.0		8560	Half-peak diameter
10	1.9		2140	0.19 X distance(m)
20	3.9		535	Illuminance
30	5.8		238	214000 / distance ² (lux)
50	9.6		86	Total Output
				8300 (lumens)

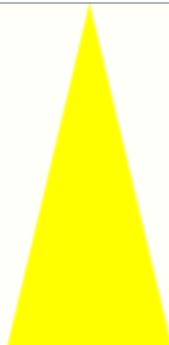


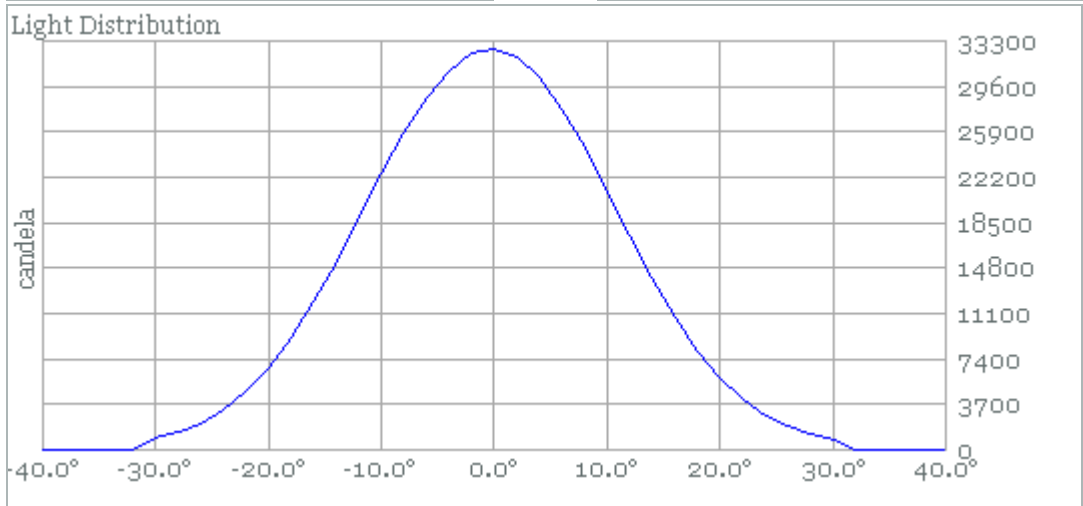
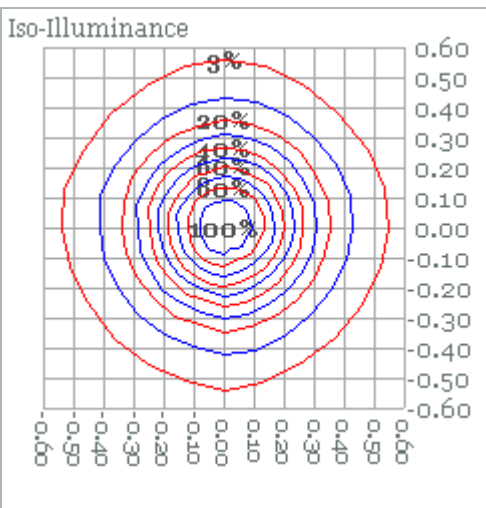
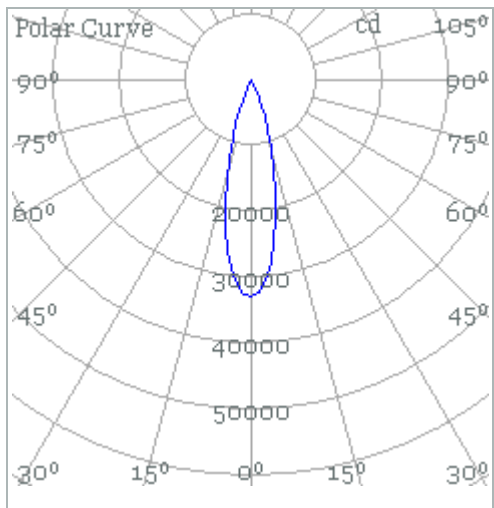
Narrow (All LEDs on. Balanced White. Narrow Diffuser.) (13°)

m.	Ø 50%	13°	E (lux)	Efficacy
5	1.1		4440	26 lumens per watt
10	2.3		1110	Half-peak diameter
20	4.6		278	0.23 X distance(m)
30	6.8		123	Illuminance
50	11.4		44	111000 / distance² (lux)
				Total Output
				6800 (lumens)




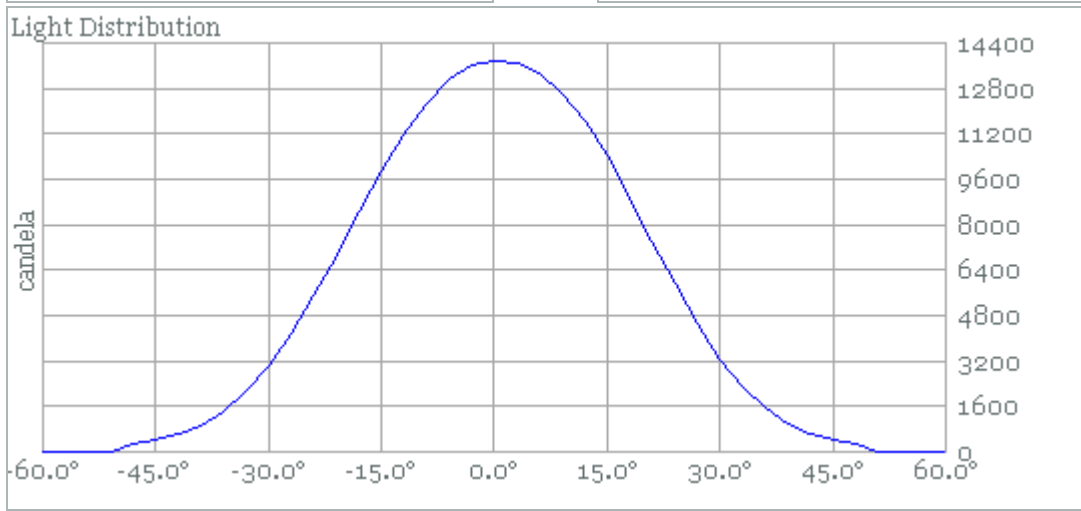
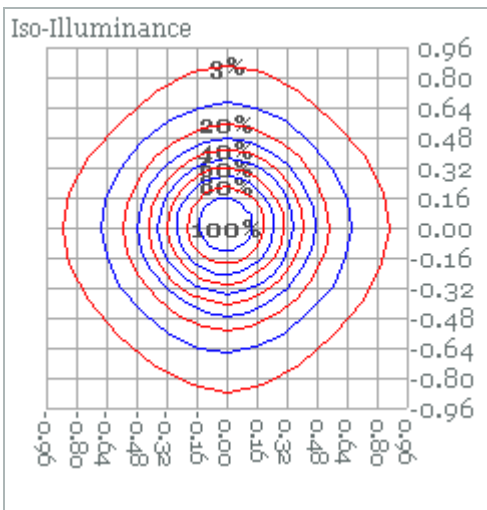
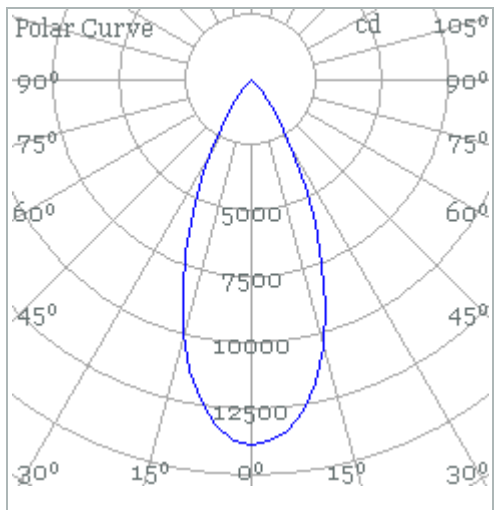
Medium (All LEDs on. Balanced White. Medium Diffuser.) (27°)

m.	Ø 50%	27°	E (lux)	Efficacy
5	2.4		1320	28.8 lumens per watt
10	4.8		330	Half-peak diameter
20	9.6		83	0.48 X distance(m)
30	14.4		37	Illuminance
50	24.0		13	33000 / distance ² (lux)
				Total Output
				7600 (lumens)

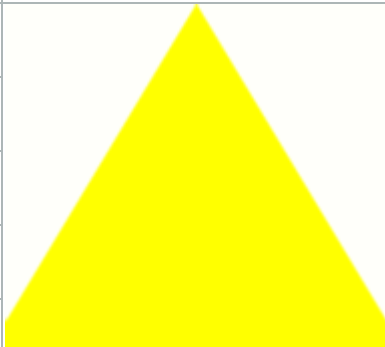


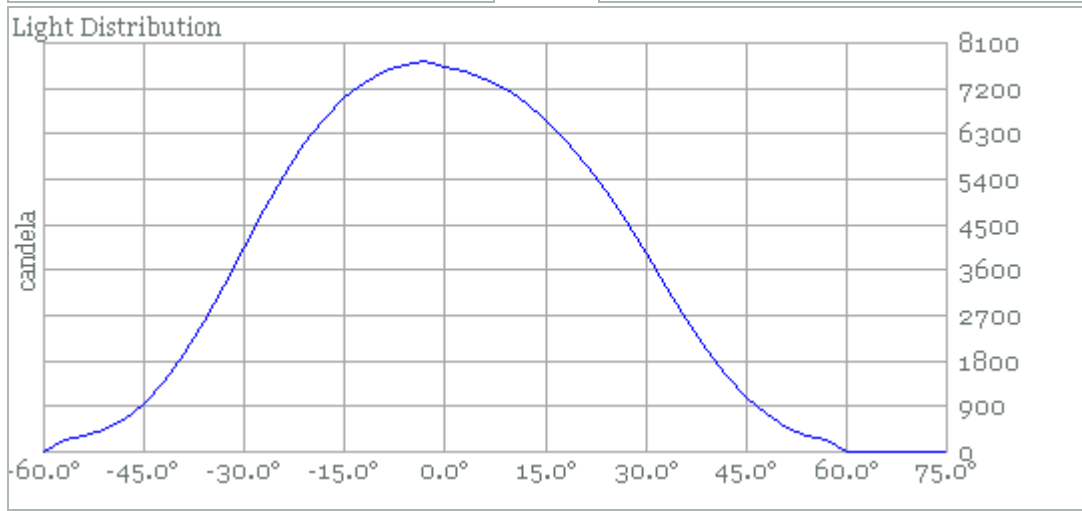
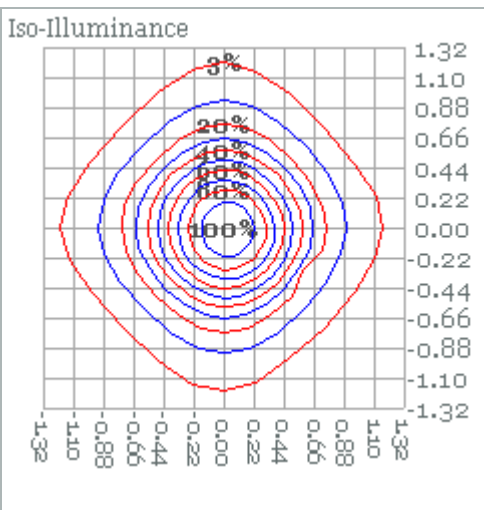
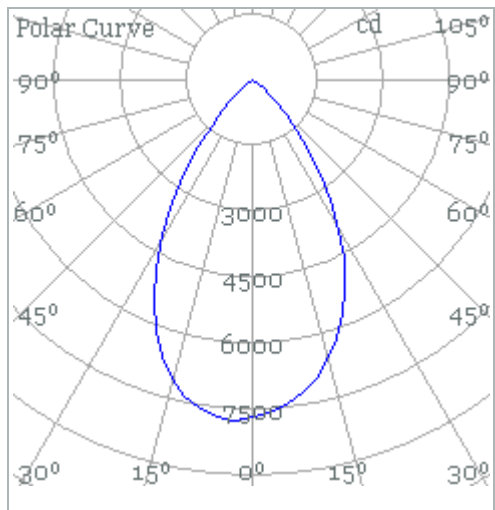
Wide (All LEDs on. Balanced White. Wide Diffuser.) (43°)

m.	Ø 50%		E (lux)	Efficacy
5	3.9		560	29.9 lumens per watt
10	7.9		140	Half-peak diameter
20	15.8		35	0.79 X distance(m)
30	23.6		16	Illuminance
50	39.4		6	14000 / distance ² (lux)
				Total Output
				7800 (lumens)

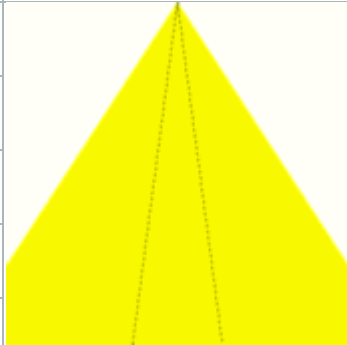


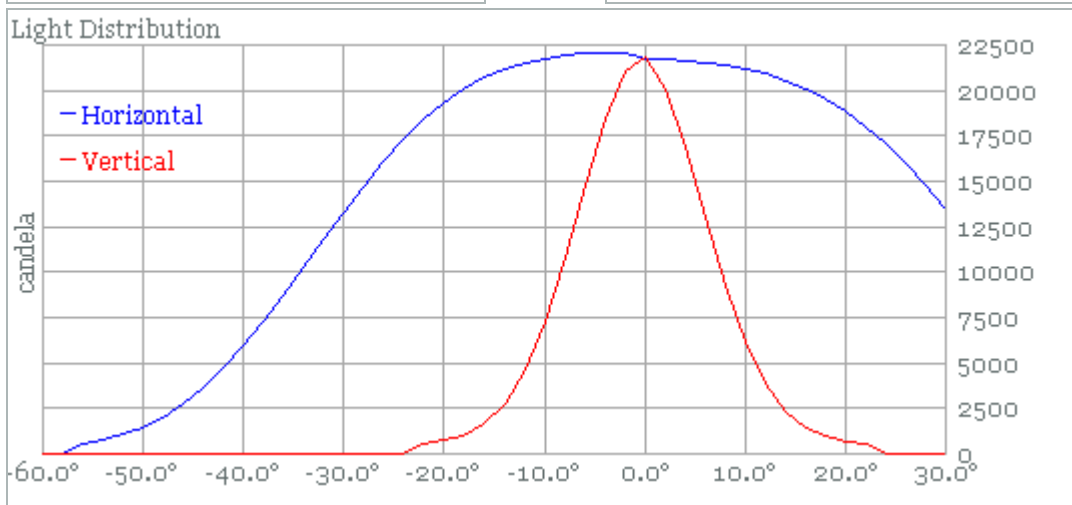
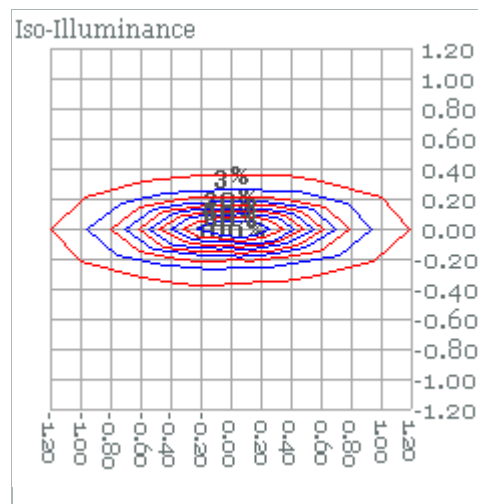
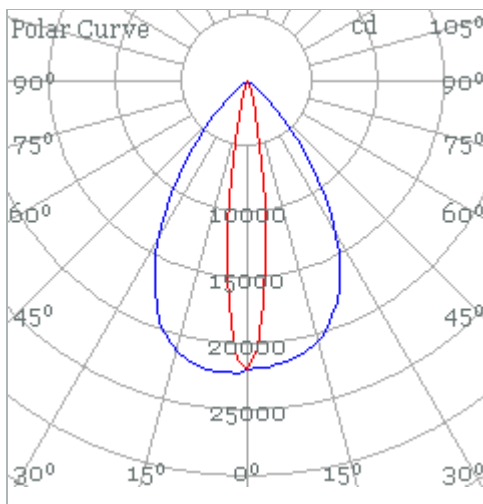
Very Wide (All LEDs on. Balanced White. Very Wide Diffuser.) (62°)

m.	Ø 50%	62°	E (lux)	Efficacy
5	6.0		308	30.5 lumens per watt
10	12.0		77	Half-peak diameter
20	24.0		19	1.20 X distance(m)
30	36.1		9	Illuminance
50	60.1		3	7700 / distance ² (lux)
				Total Output
				8000 (lumens)




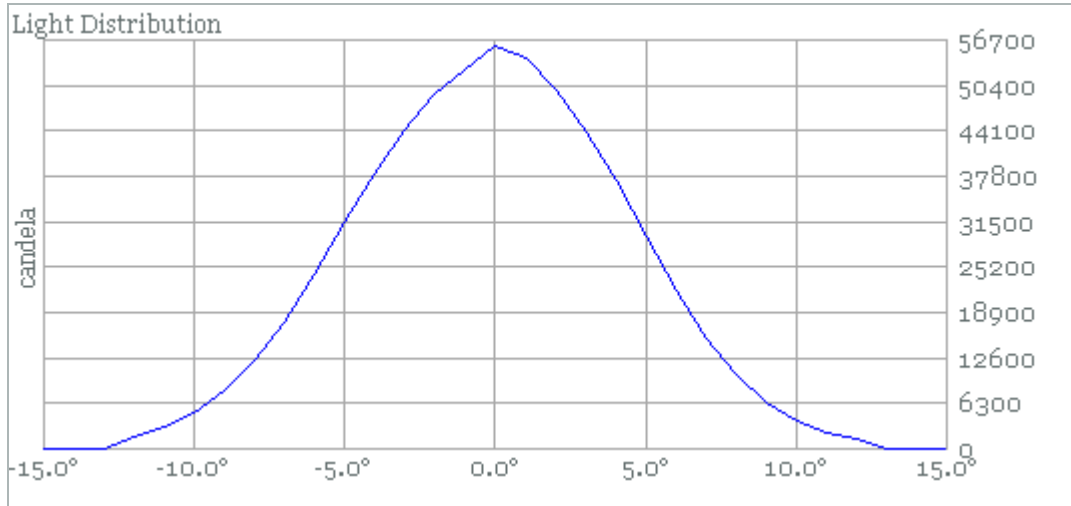
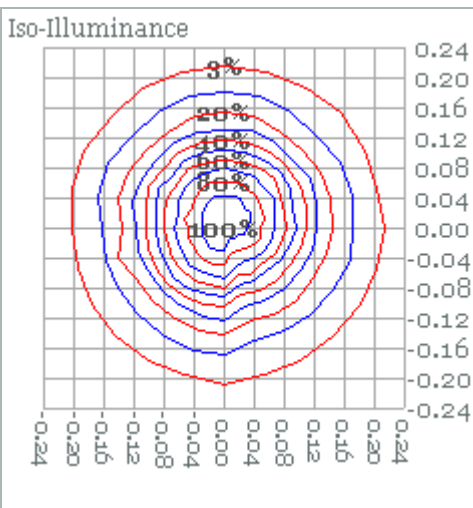
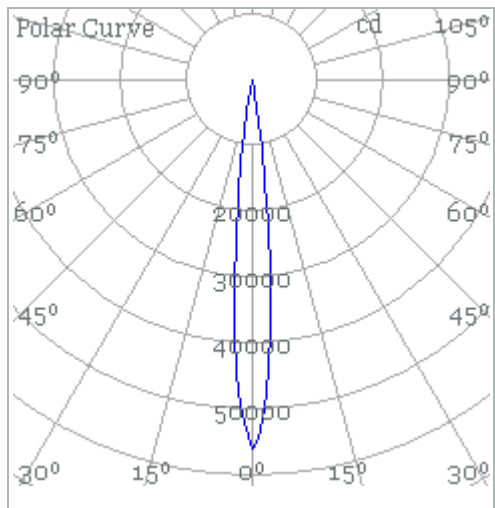
Standard with ellipsoidal beamshaper (All LEDs on. Balanced White. Asymmetric Diffuser.) (66° X 15°)

m.	Ø 50%		66° 15°	E (lux)	Efficacy
	C ₀	C ₉₀			28.5 lumens per watt
5	6.5	1.3		880	Half-peak diameter C ₀
10	13.0	2.6		220	1.30 X distance(m)
20	26.0	5.3		55	Half-peak diameter C ₉₀
30	39.0	7.9		24	0.26 X distance(m)
50	64.9	13.2		9	Illuminance
					22000 / distance ² (lux)
					Total Output
					7500 (lumens)




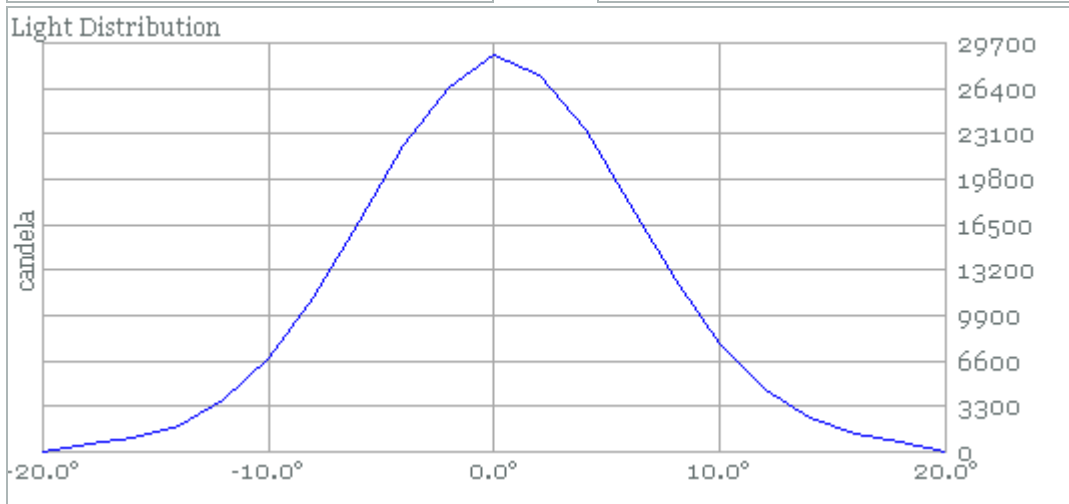
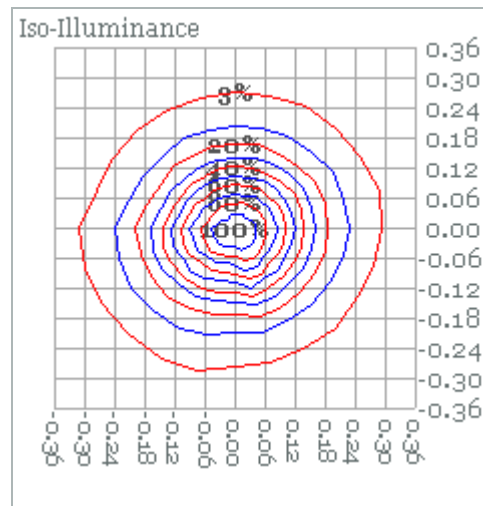
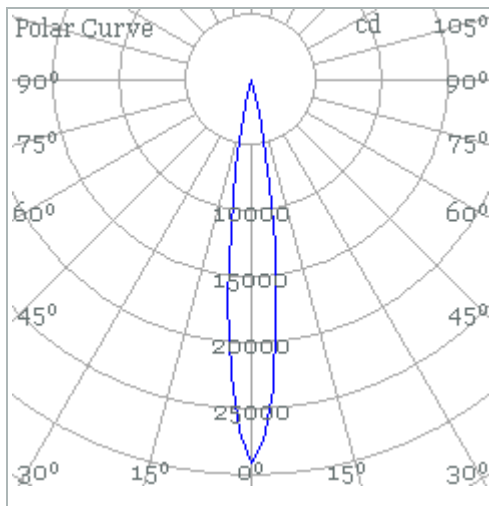
Standard (Only Red LEDs on. No Diffuser.) (11°)

m.	Ø 50%	11°	E (lux)	Efficacy
5	1.0		2240	31.3 lumens per watt
10	1.9		560	Half-peak diameter
20	3.9		140	0.19 X distance(m)
30	5.8		62	Illuminance
50	9.6		22	56000 / distance ² (lux)
				Total Output
				2200 (lumens)

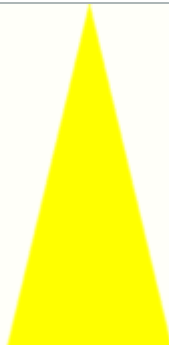


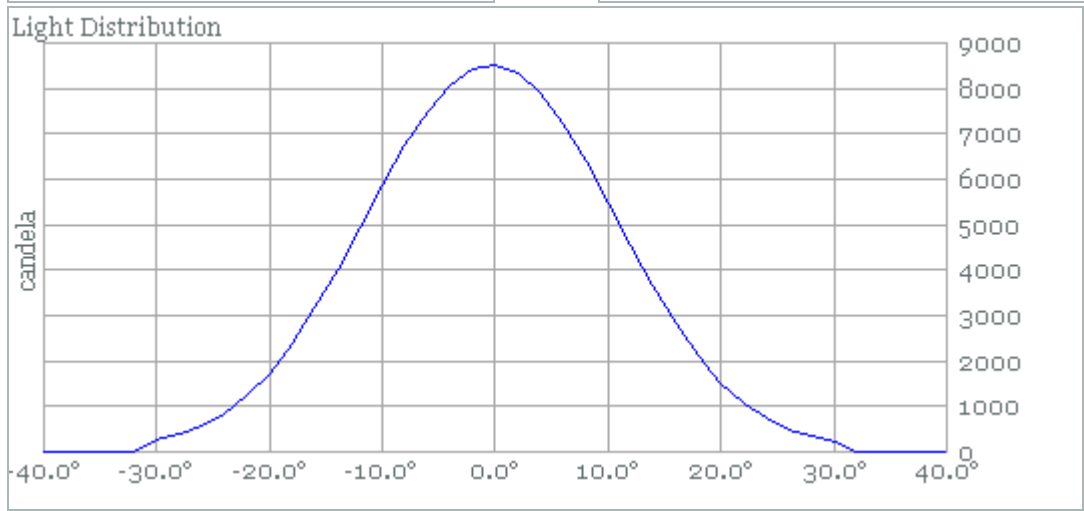
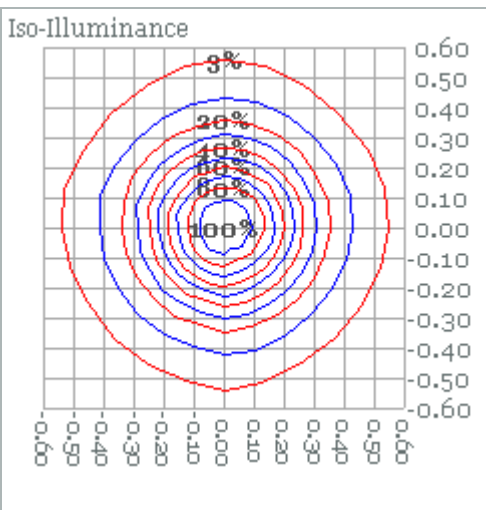
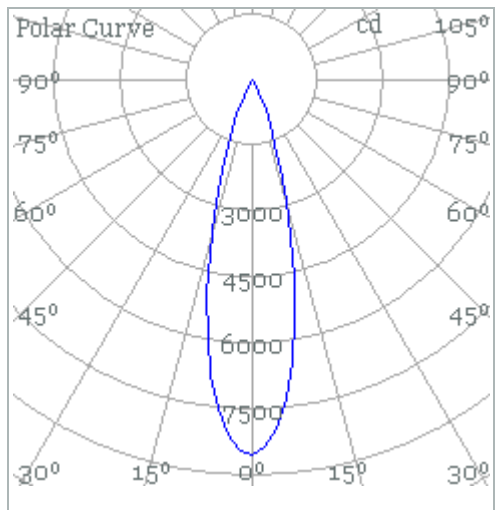
Narrow (Only Red LEDs on. Narrow Diffuser.) (13°)

m.	Ø 50%	13°	E (lux)	Efficacy
				25.8 lumens per watt
5	1.1		1160	Half-peak diameter
10	2.3		290	0.23 X distance(m)
20	4.6		73	Illuminance
30	6.8		32	29000 / distance ² (lux)
50	11.4		12	Total Output
				1800 (lumens)




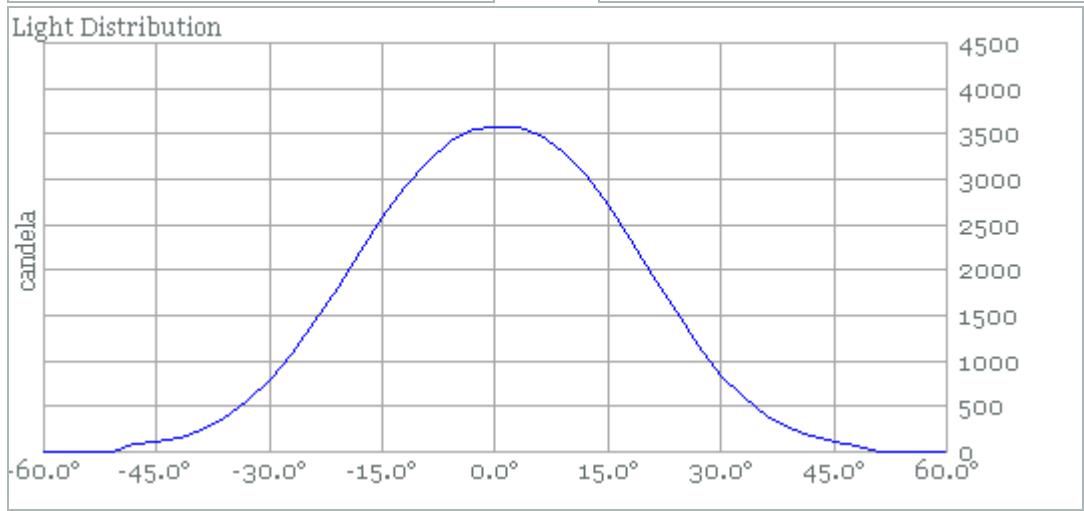
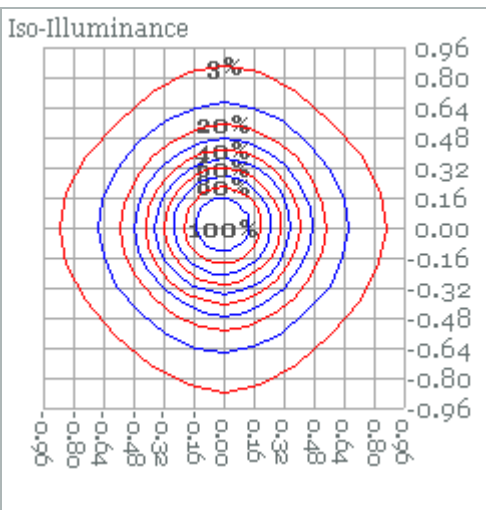
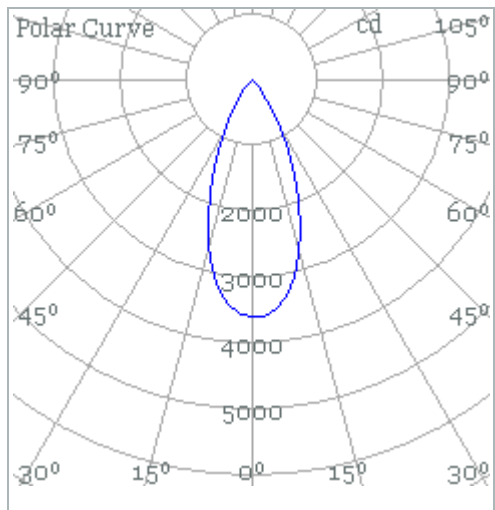
Medium (Only Red LEDs on. Medium Diffuser.) (27°)

m.	Ø 50%	27°	E (lux)	Efficacy
5	2.4		340	28.5 lumens per watt
10	4.8		85	Half-peak diameter
20	9.6		21	0.48 X distance(m)
30	14.4		9	Illuminance
50	24.0		3	8500 / distance ² (lux)
				Total Output
				2000 (lumens)

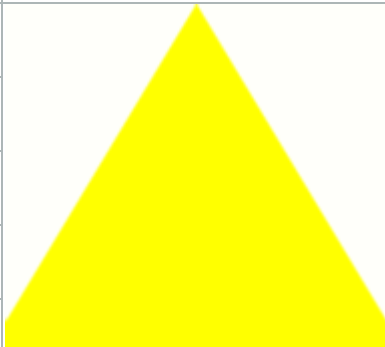


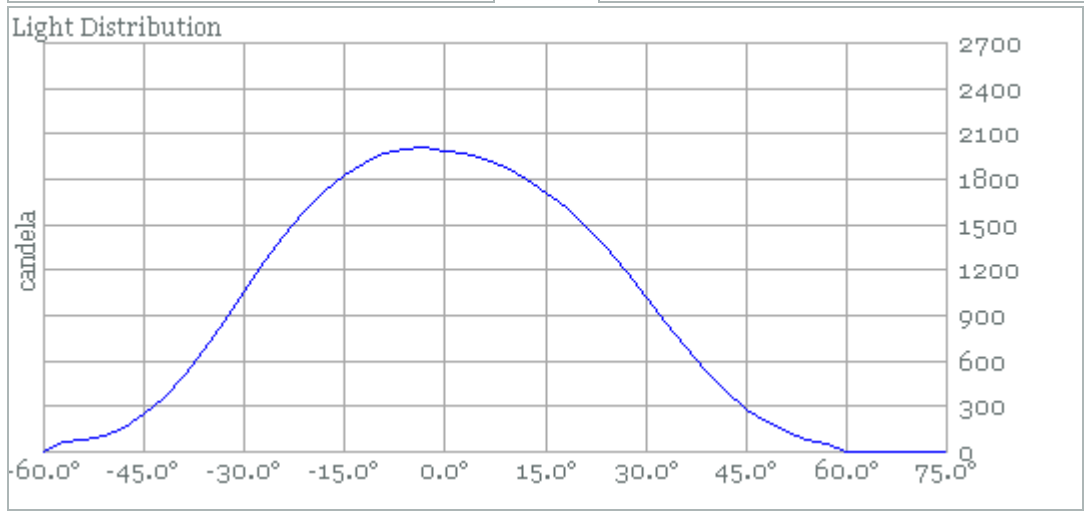
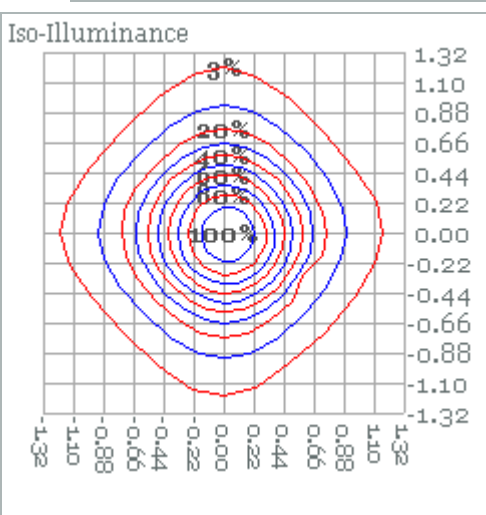
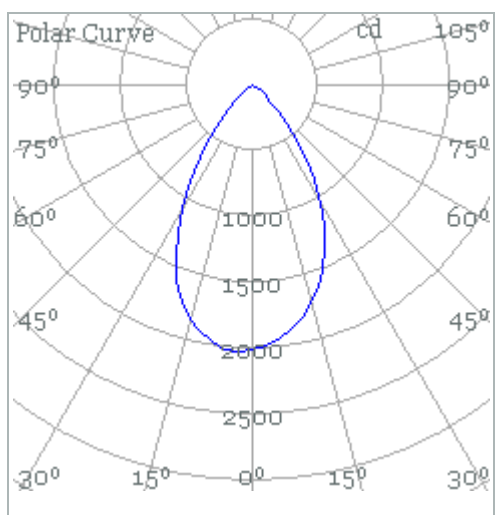
Wide (Only Red LEDs on. Wide Diffuser.) (43°)

m.	Ø 50%	43°	E (lux)	Efficacy
5	3.9		144	29.7 lumens per watt
10	7.9		36	Half-peak diameter
20	15.8		9	0.79 X distance(m)
30	23.6		4	Illuminance
50	39.4		1	3600 / distance ² (lux)
				Total Output
				2000 (lumens)

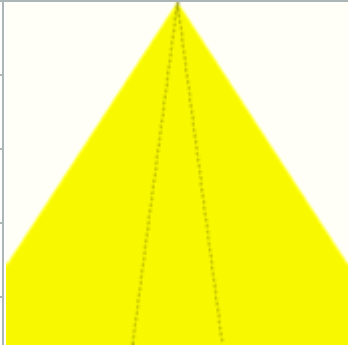


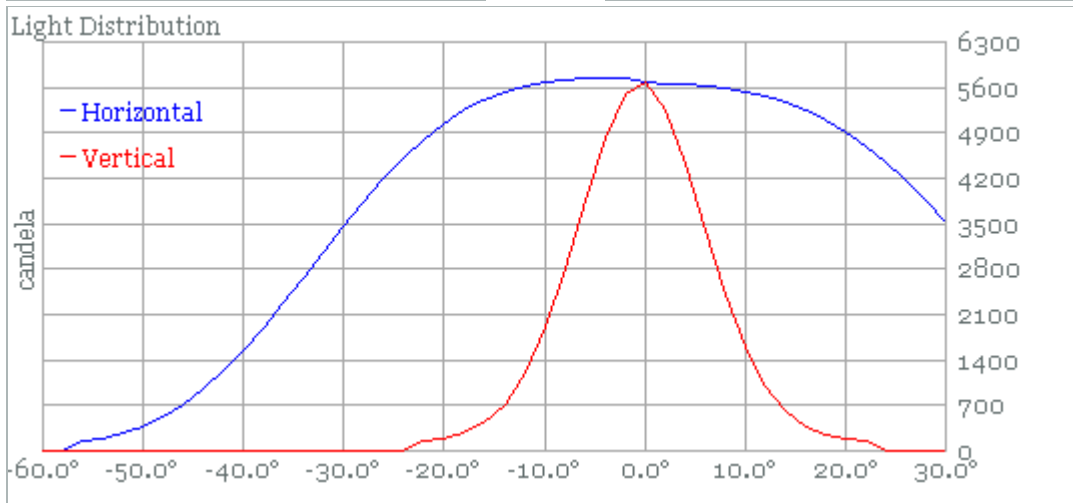
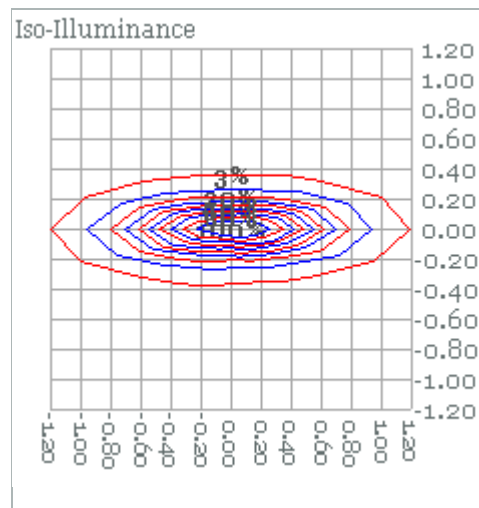
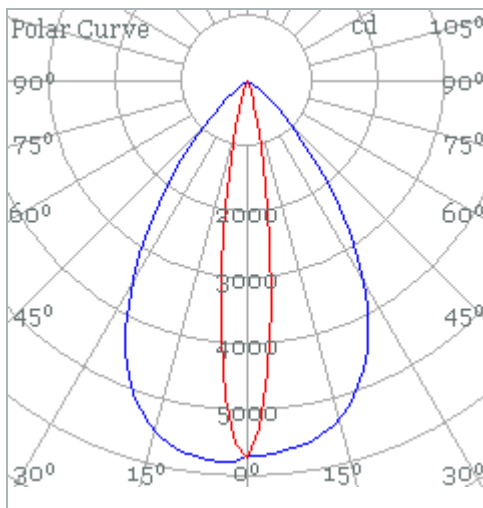
Very Wide (Only Red LEDs on. Very Wide Diffuser.) (62°)

m.	Ø 50%	62°	E (lux)	Efficacy
5	6.0		80	30.2 lumens per watt
10	12.0		20	Half-peak diameter
20	24.0		5	1.20 X distance(m)
30	36.1		2	Illuminance
50	60.1		1	2000 / distance ² (lux)
				Total Output
				2100 (lumens)

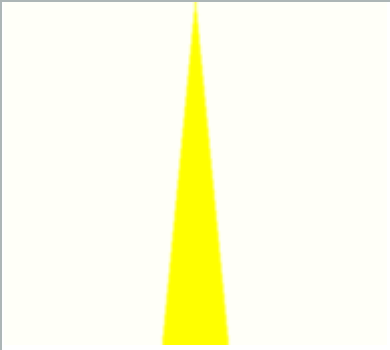


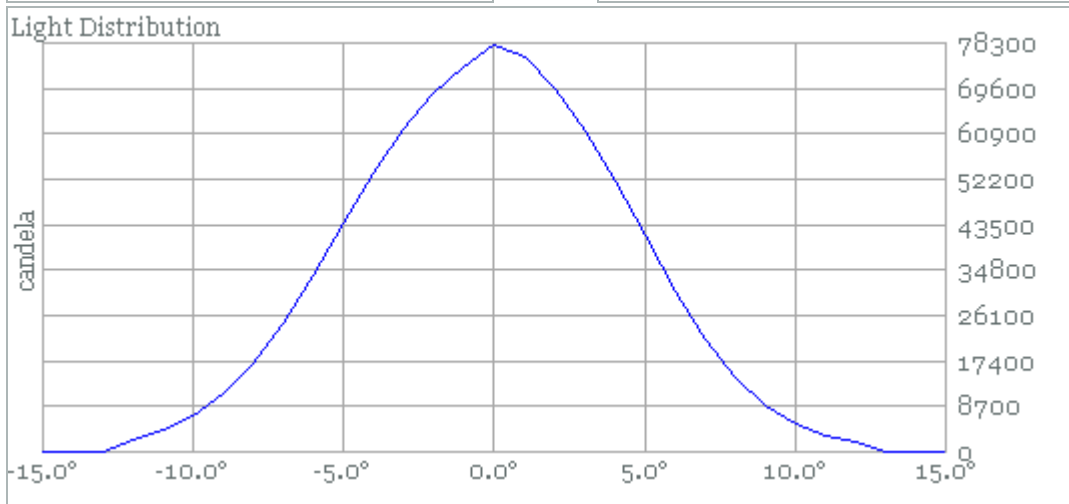
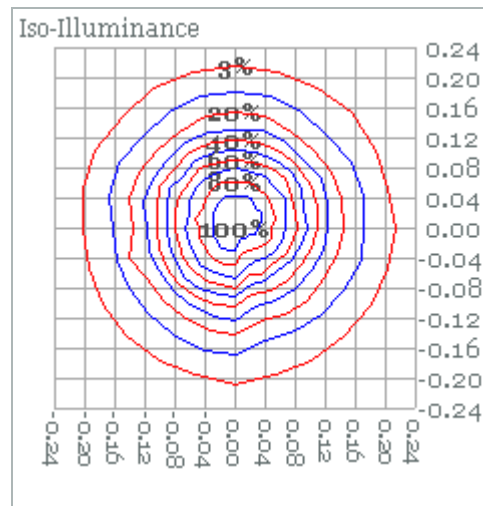
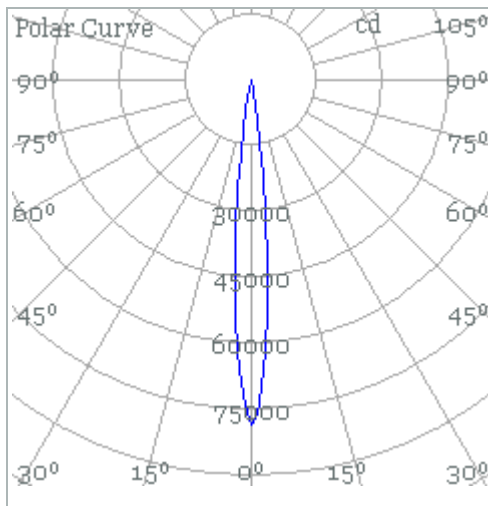
Standard with ellipsoidal beamshaper (Only Red LEDs on. Asymmetric Diffuser.) (66° X 15°)

m.	Ø 50%		66° 15°	E (lux)	Efficacy
	C ₀	C ₉₀			28.2 lumens per watt
5	6.5	1.3		232	Half-peak diameter C ₀
10	13.0	2.6		58	1.30 X distance(m)
20	26.0	5.3		15	Half-peak diameter C ₉₀
30	39.0	7.9		6	0.26 X distance(m)
50	64.9	13.2		2	Illuminance
					5800 / distance ² (lux)
					Total Output
					1900 (lumens)

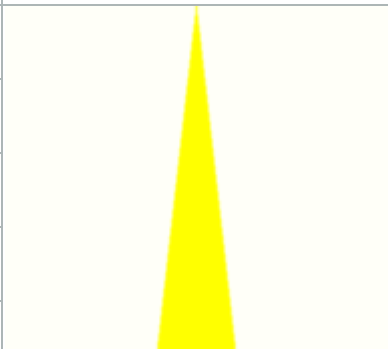


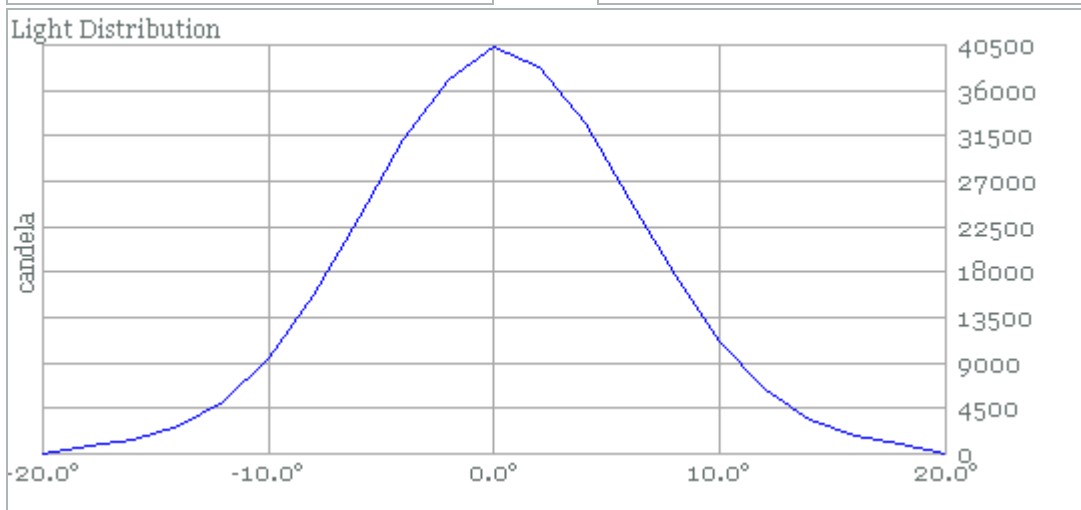
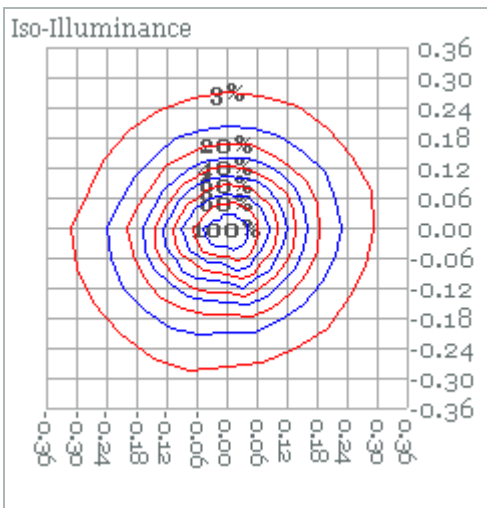
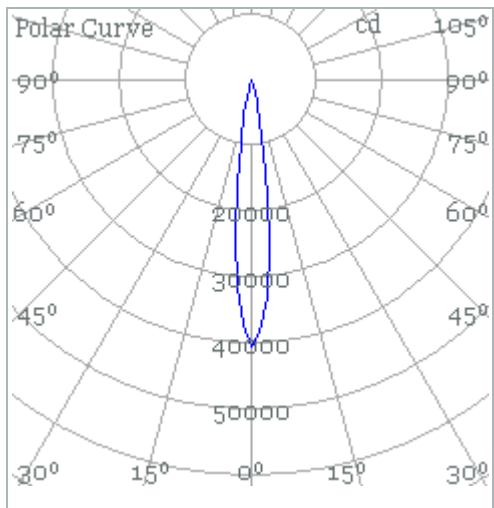
Standard (Only Green LEDs on. No Diffuser.) (11°)

m.	Ø 50%	11°	E (lux)	Efficacy
5	1.0		3120	36 lumens per watt
10	1.9		780	Half-peak diameter
20	3.9		195	0.19 X distance(m)
30	5.8		87	Illuminance
50	9.6		31	78000 / distance ² (lux)
				Total Output
				3000 (lumens)

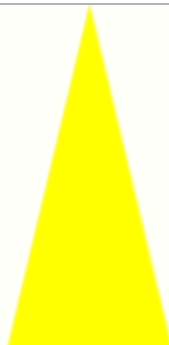


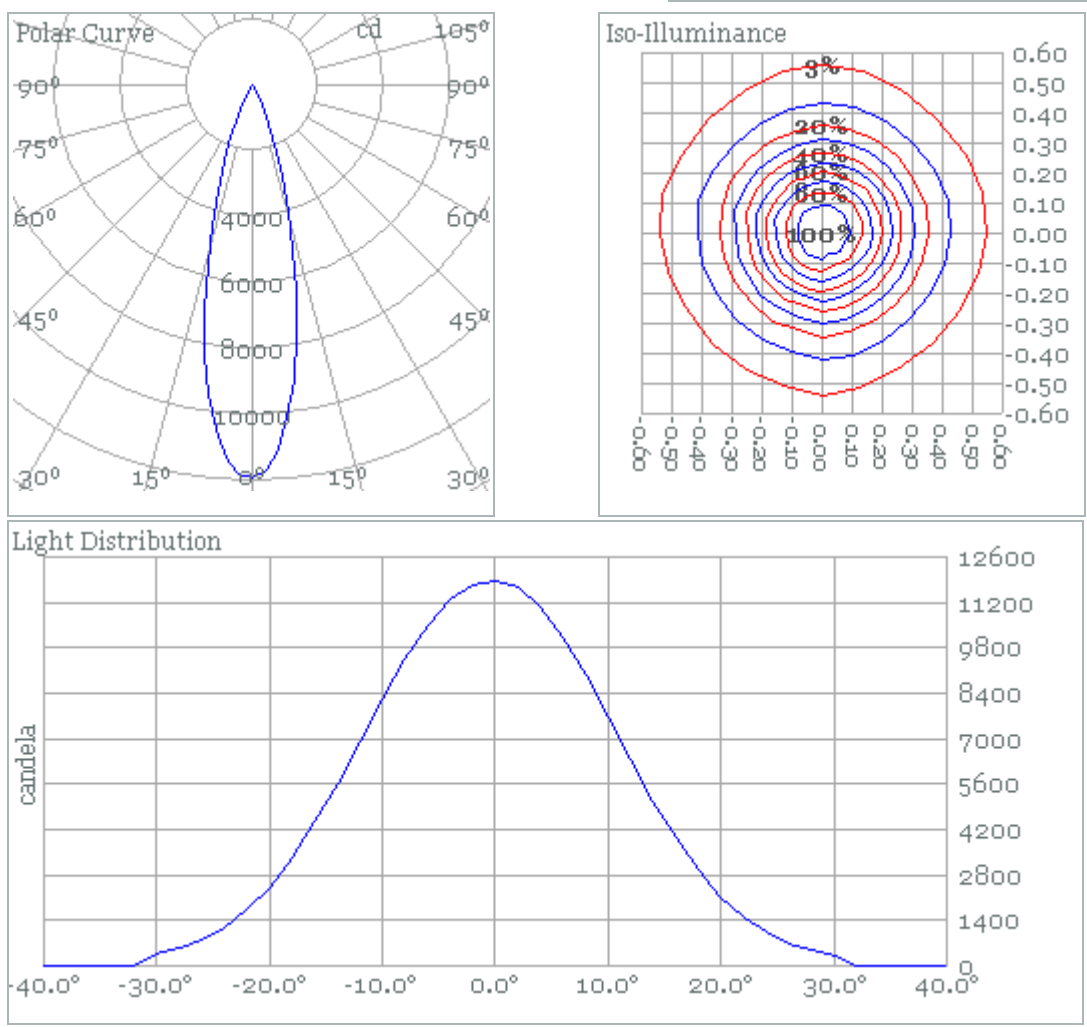
Narrow (Only Green LEDs on. Narrow Diffuser.) (13°)

m.	Ø 50%		E (lux)	Efficacy	
5	1.1		1600	29.6 lumens per watt	
10	2.3		400	Half-peak diameter	
20	4.6		100	0.23 X distance(m)	
30	6.8		44	Illuminance	
50	11.4		16	40000 / distance ² (lux)	
				Total Output	
				2500 (lumens)	




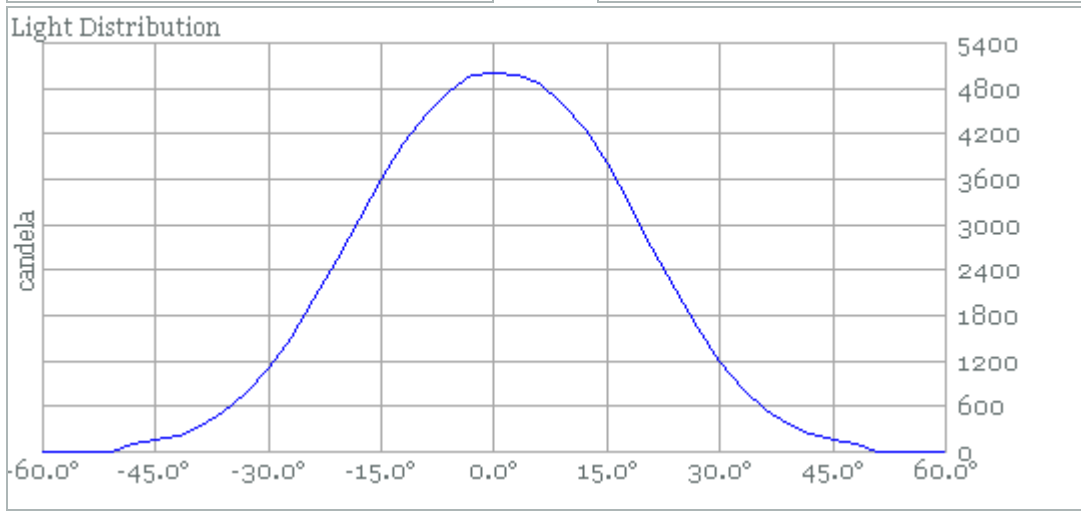
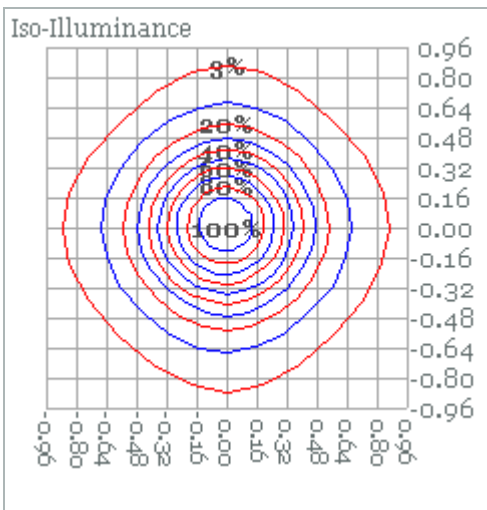
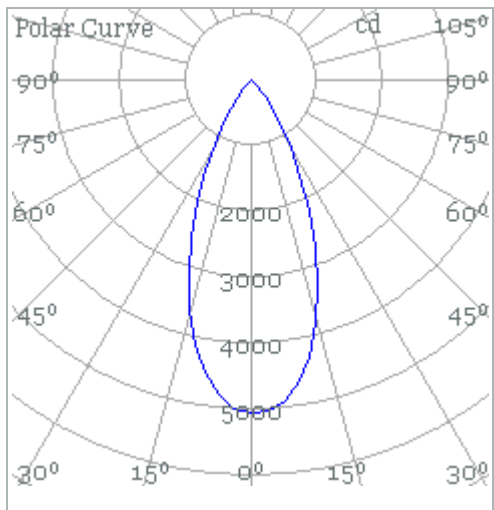
Medium (Only Green LEDs on. Medium Diffuser.) (27°)

m.	Ø 50%	27°	E (lux)	Efficacy
5	2.4		480	32.8 lumens per watt
10	4.8		120	Half-peak diameter
20	9.6		30	0.48 X distance(m)
30	14.4		13	Illuminance
50	24.0		5	12000 / distance ² (lux)
				Total Output
				2800 (lumens)

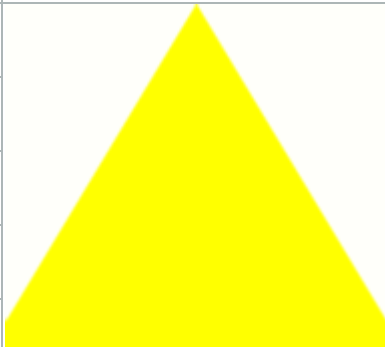


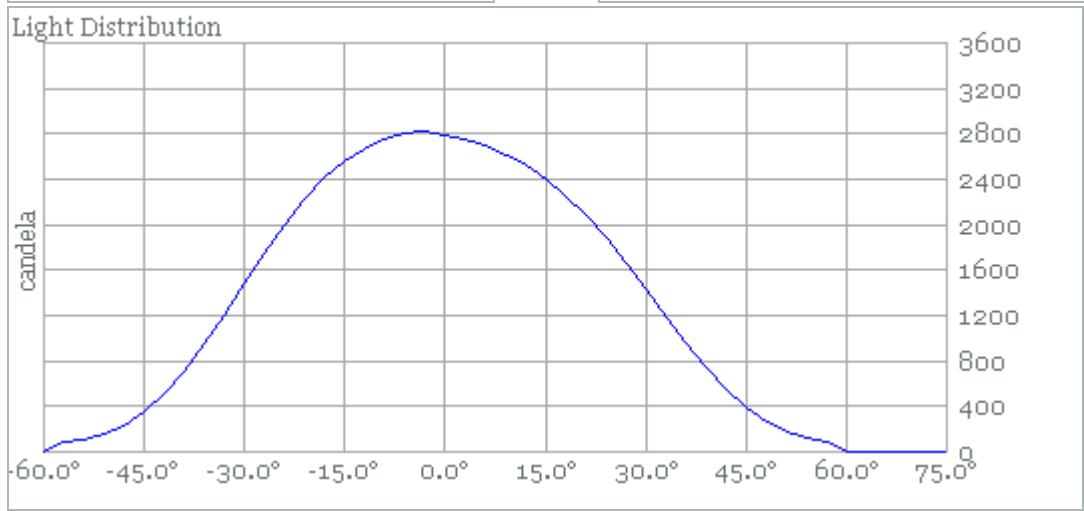
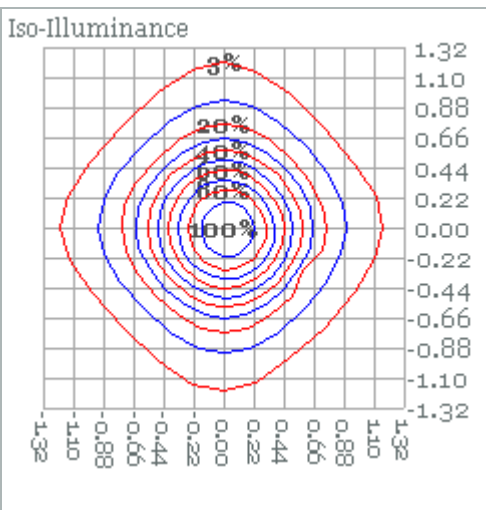
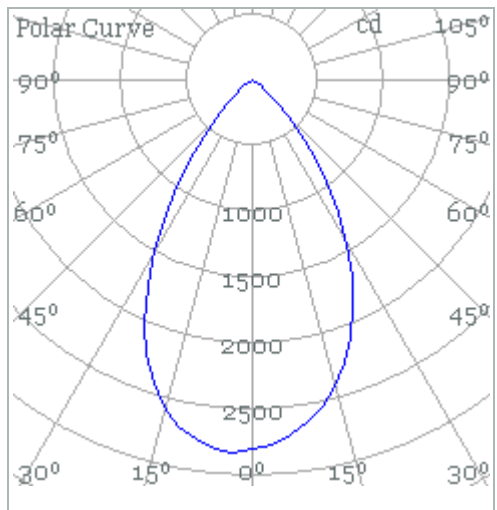
Wide (Only Green LEDs on. Wide Diffuser.) (43°)

m.	Ø 50%	43°	E (lux)	Efficacy
5	3.9		204	34.1 lumens per watt
10	7.9		51	Half-peak diameter
20	15.8		13	0.79 X distance(m)
30	23.6		6	Illuminance
50	39.4		2	5100 / distance ² (lux)
				Total Output
				2900 (lumens)

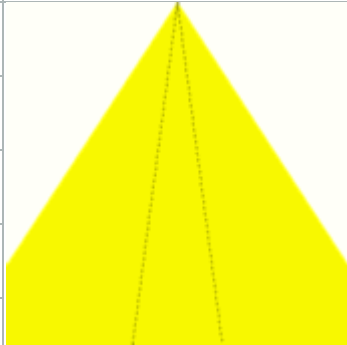


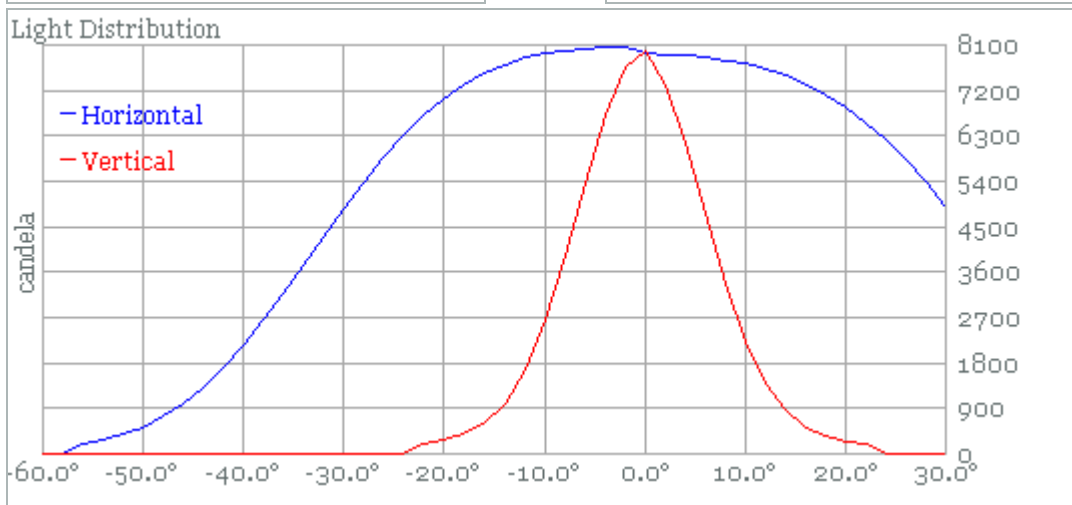
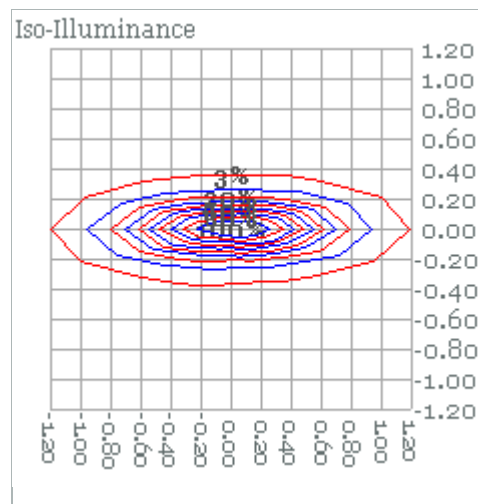
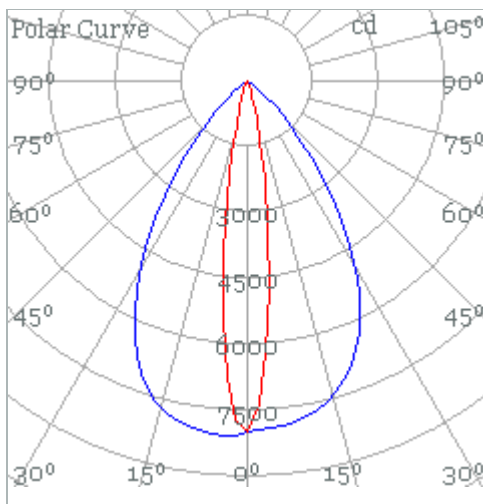
Very Wide (Only Green LEDs on. Very Wide Diffuser.) (62°)

m.	Ø 50%	62°	E (lux)	Efficacy
5	6.0		112	34.7 lumens per watt
10	12.0		28	Half-peak diameter
20	24.0		7	1.20 X distance(m)
30	36.1		3	Illuminance
50	60.1		1	2800 / distance ² (lux)
				Total Output
				2900 (lumens)




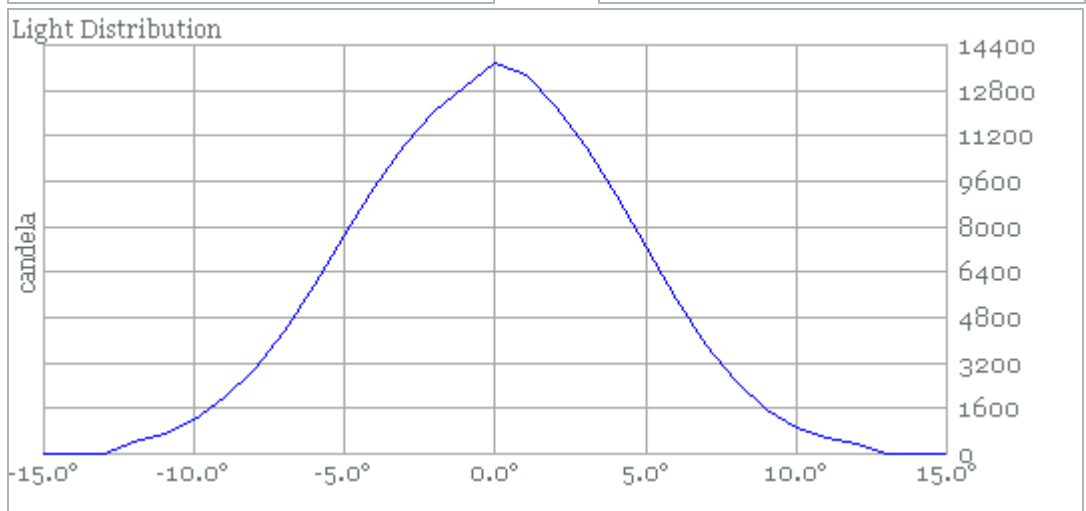
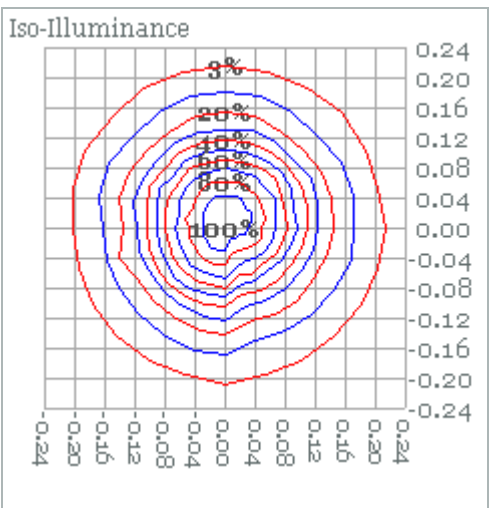
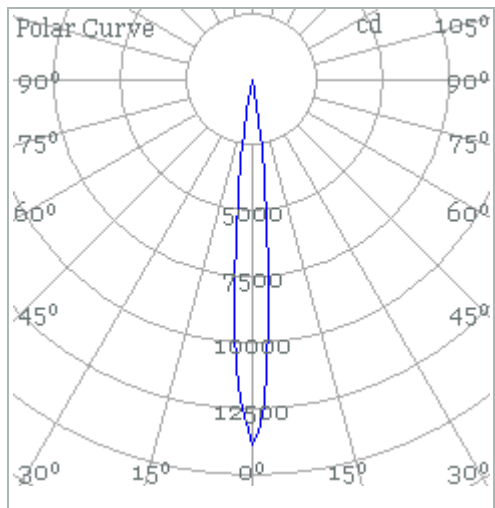
Standard with ellipsoidal beamshaper (Only Green LEDs on. Asymmetric Diffuser.) (66° X 15°)

m.	Ø 50%		66° 15°	E (lux)	Efficacy
	C ₀	C ₉₀			32.4 lumens per watt
5	6.5	1.3		320	Half-peak diameter C ₀
10	13.0	2.6		80	1.30 X distance(m)
20	26.0	5.3		20	Half-peak diameter C ₉₀
30	39.0	7.9		9	0.26 X distance(m)
50	64.9	13.2		3	Illuminance
					8000 / distance ² (lux)
					Total Output
					2700 (lumens)




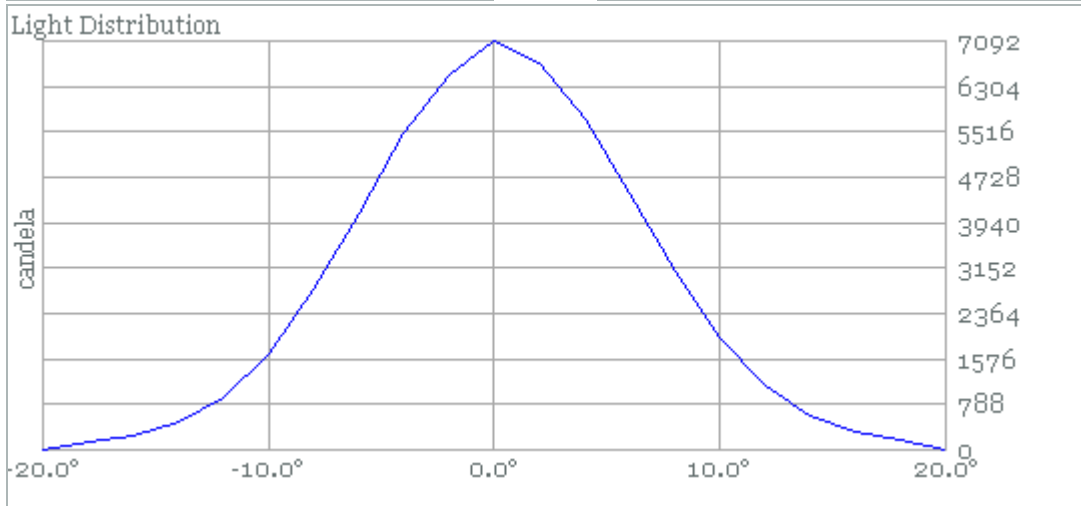
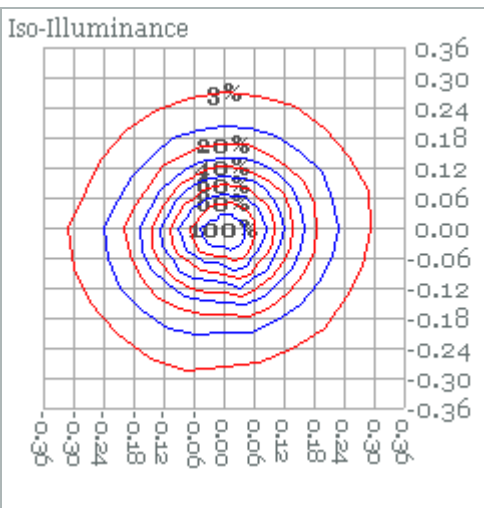
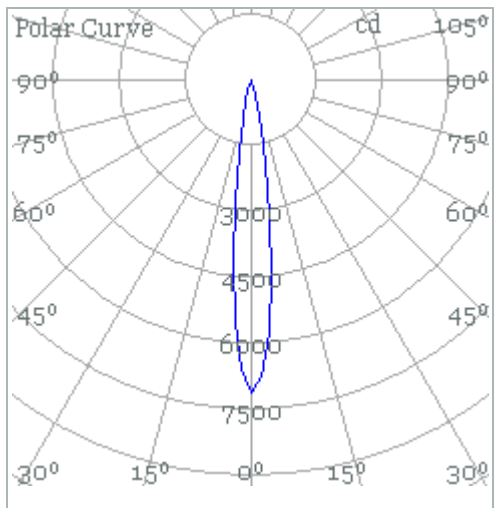
Standard (Only Blue LEDs on. No Diffuser.) (11°)

m.	Ø 50%	11°	E (lux)	Efficacy
5	1.0		560	6.3 lumens per watt
10	1.9		140	Half-peak diameter
20	3.9		35	0.19 X distance(m)
30	5.8		16	Illuminance
50	9.6		6	14000 / distance ² (lux)
				Total Output
				530 (lumens)

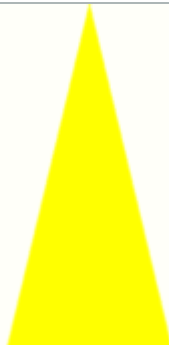


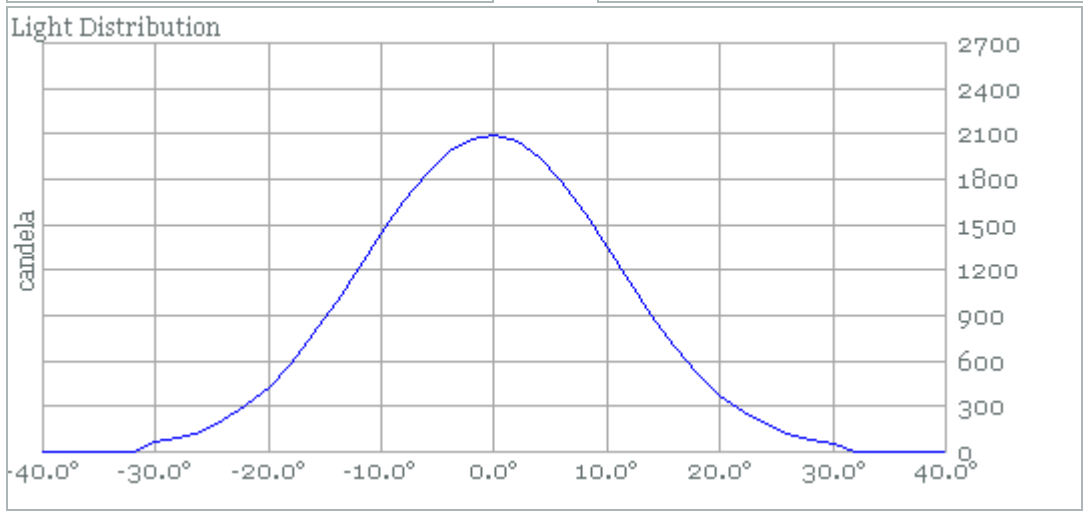
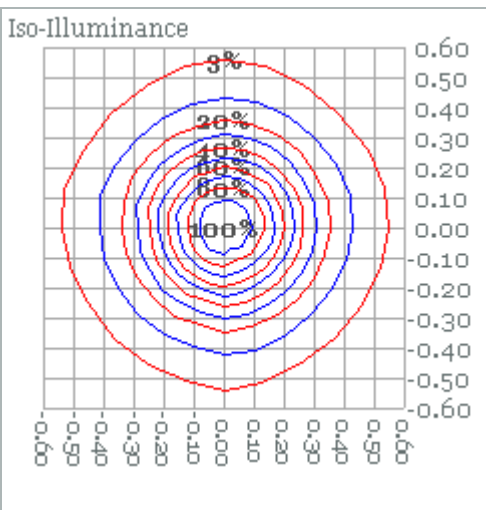
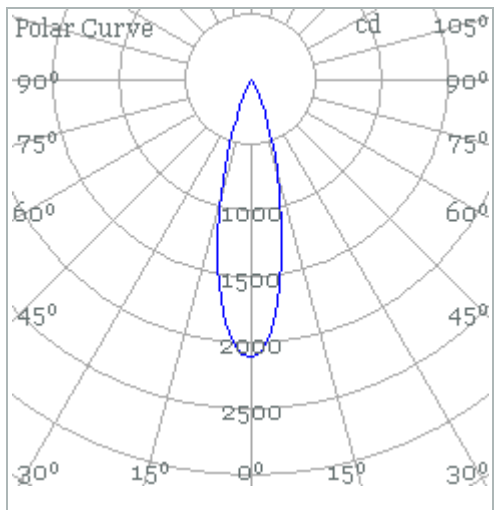
Narrow (Only Blue LEDs on. Narrow Diffuser.) (13°)

m.	Ø 50%	13°	E (lux)	Efficacy
5	1.1		284	5.2 lumens per watt
10	2.3		71	Half-peak diameter
20	4.6		18	0.23 X distance(m)
30	6.8		8	Illuminance
50	11.4		3	7100 / distance ² (lux)
				Total Output
				440 (lumens)




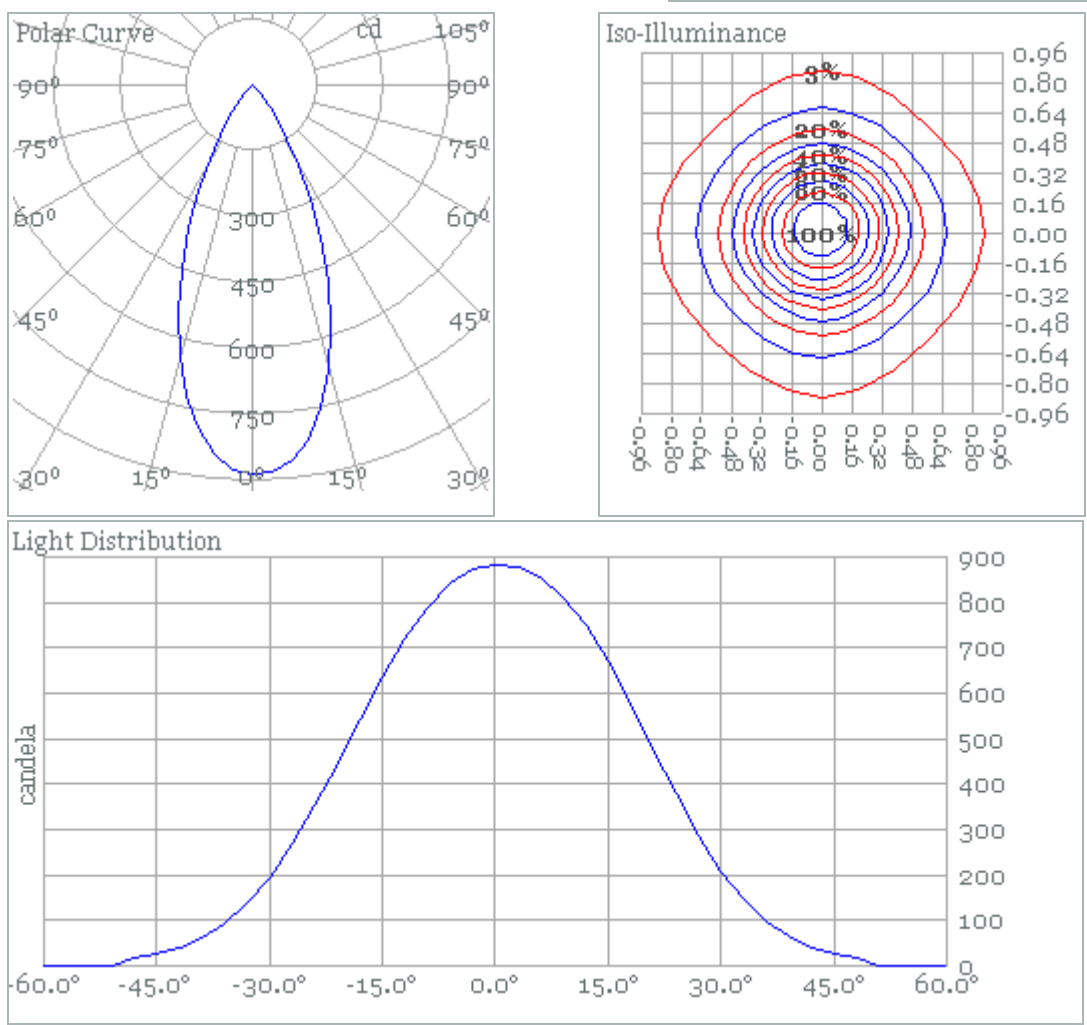
Medium (Only Blue LEDs on. Medium Diffuser.) (27°)

m.	Ø 50%	27°	E (lux)	Efficacy
5	2.4		84	5.8 lumens per watt
10	4.8		21	Half-peak diameter
20	9.6		5	0.48 X distance(m)
30	14.4		2	Illuminance
50	24.0		1	2100 / distance ² (lux)
				Total Output
				480 (lumens)

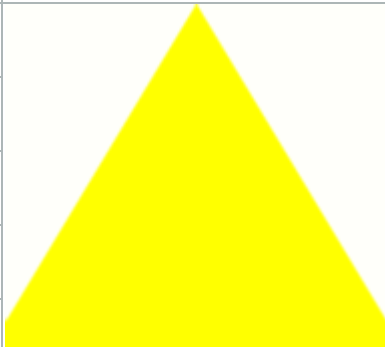


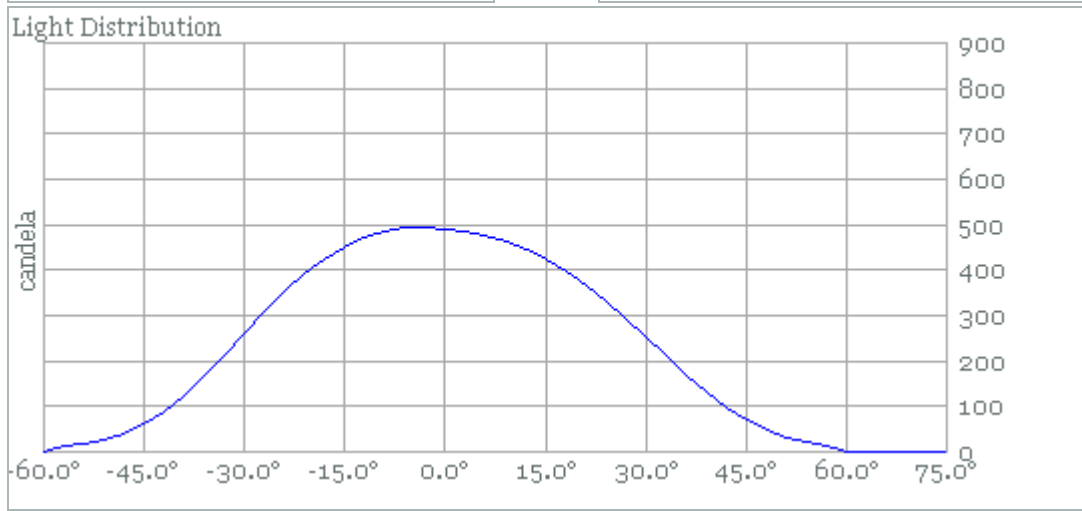
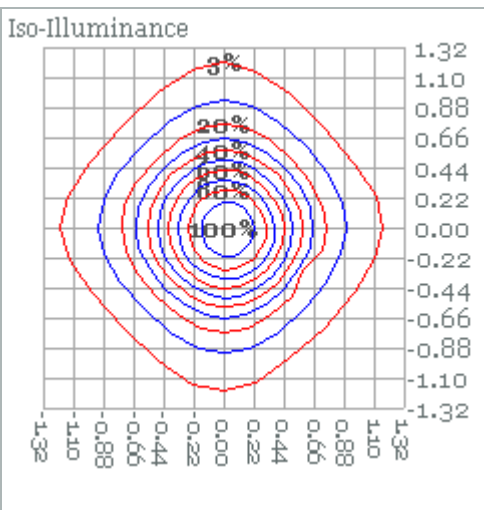
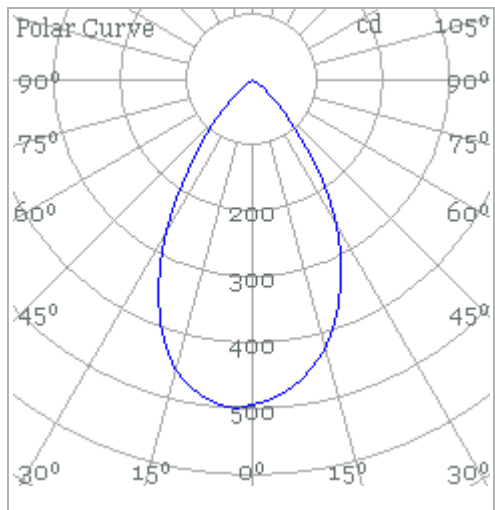
Wide (Only Blue LEDs on. Wide Diffuser.) (43°)

m.	Ø 50%	43°	E (lux)	Efficacy
5	3.9		36	6 lumens per watt
10	7.9		9	Half-peak diameter
20	15.8		2	0.79 X distance(m)
30	23.6		1	Illuminance
50	39.4		0	890 / distance ² (lux)
				Total Output
				500 (lumens)

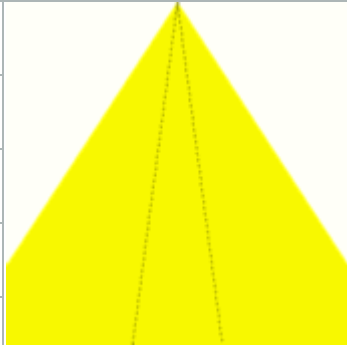


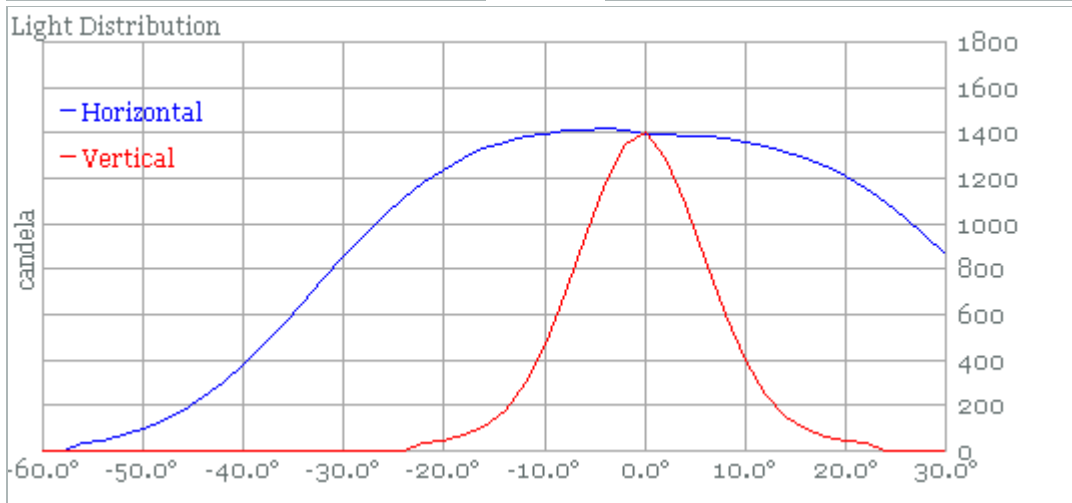
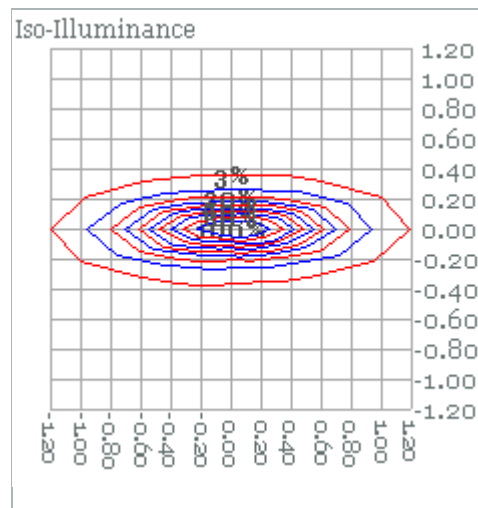
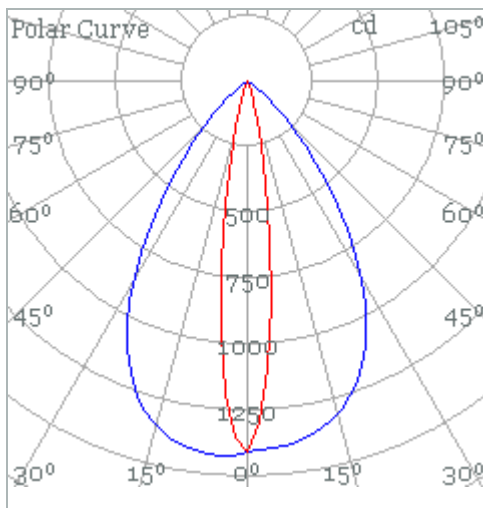
Very Wide (Only Blue LEDs on. Very Wide Diffuser.) (62°)

m.	Ø 50%	62°	E (lux)	Efficacy
5	6.0		20	6.1 lumens per watt
10	12.0		5	Half-peak diameter
20	24.0		1	1.20 X distance(m)
30	36.1		1	Illuminance
50	60.1		0	500 / distance ² (lux)
				Total Output
				510 (lumens)




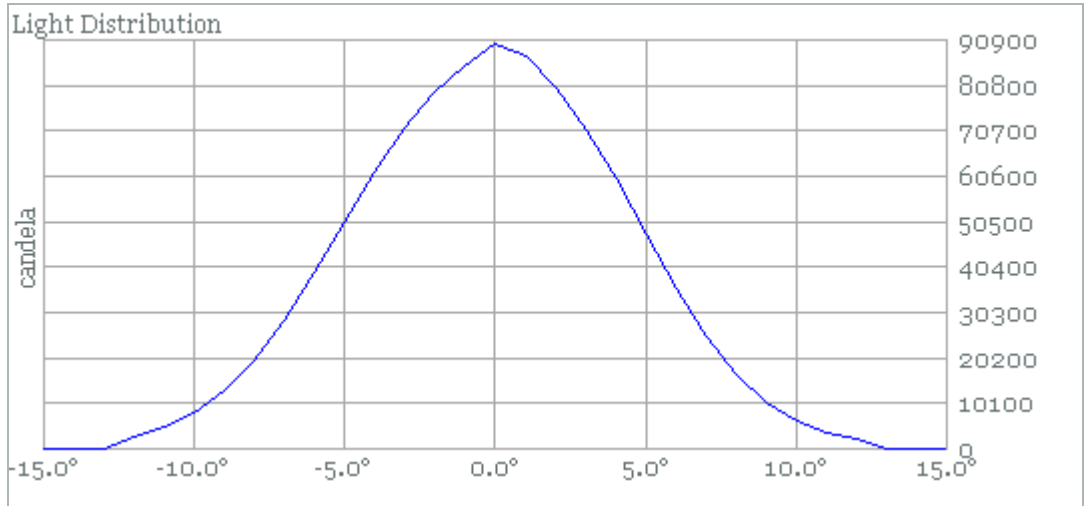
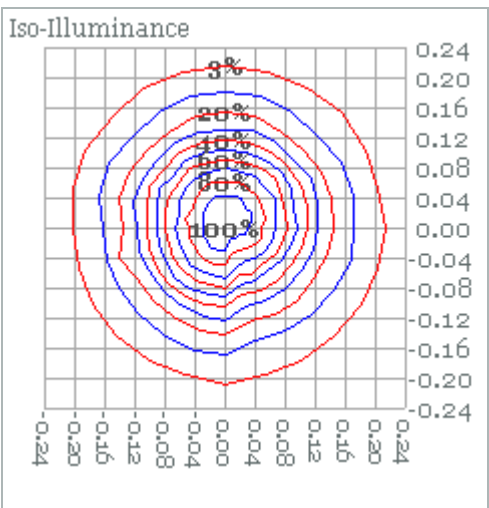
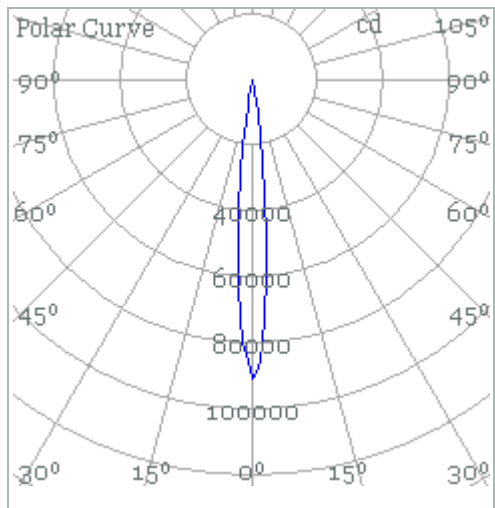
Standard with ellipsoidal beamshaper (Only Blue LEDs on. Asymmetric Diffuser.) (66° X 15°)

m.	Ø 50%		66° 15°	E (lux)	Efficacy
	C ₀	C ₉₀			5.7 lumens per watt
5	6.5	1.3		56	Half-peak diameter C ₀
10	13.0	2.6		14	1.30 X distance(m)
20	26.0	5.3		4	Half-peak diameter C ₉₀
30	39.0	7.9		2	0.26 X distance(m)
50	64.9	13.2		1	Illuminance
					1400 / distance ² (lux)
					Total Output
					480 (lumens)




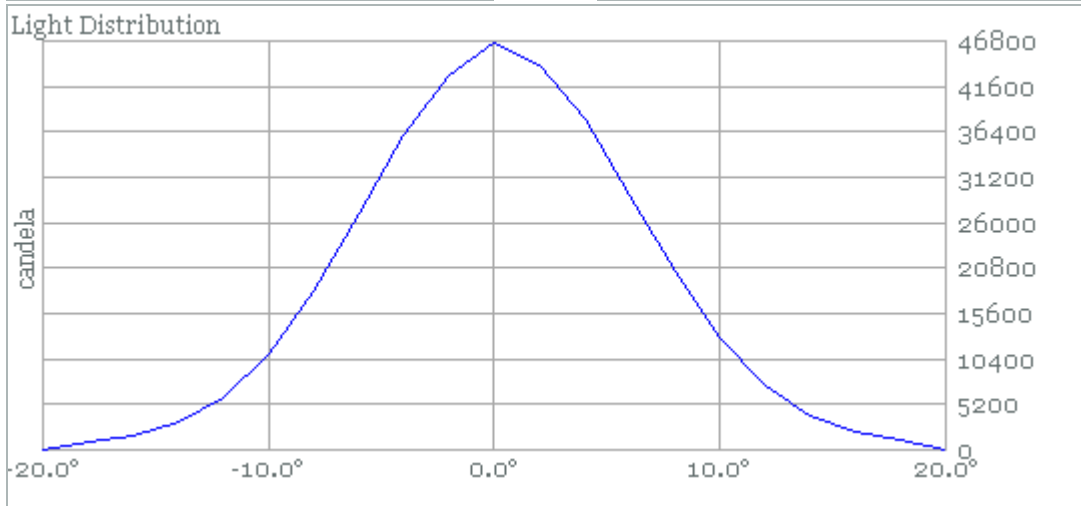
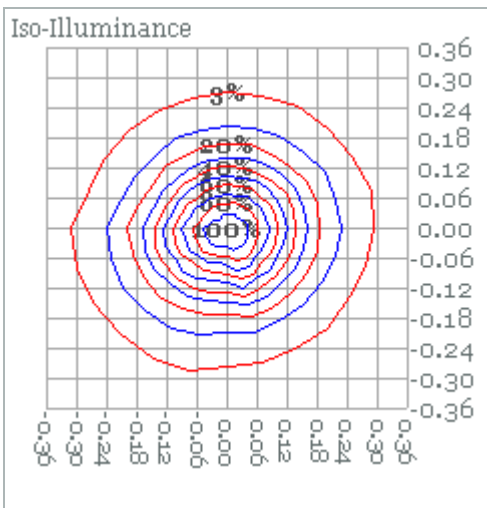
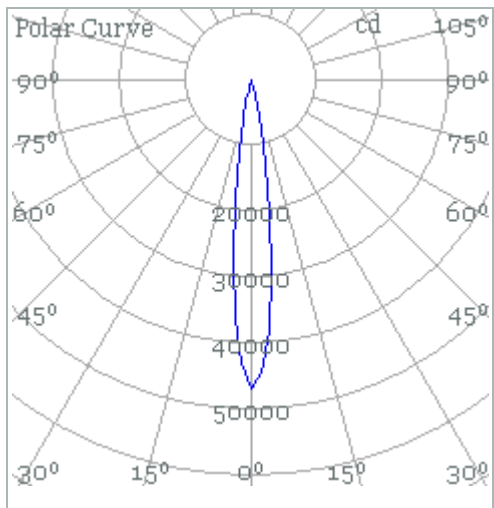
Standard (Only White LEDs on. No Diffuser.) (11°)

m.	Ø 50%	11°	E (lux)	Efficacy
5	1.0		3600	42.1 lumens per watt
10	1.9		900	Half-peak diameter
20	3.9		225	0.19 X distance(m)
30	5.8		100	Illuminance
50	9.6		36	90000 / distance ² (lux)
				Total Output
				3500 (lumens)

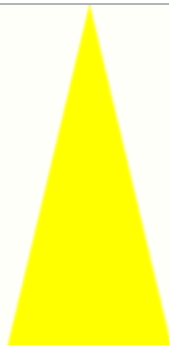


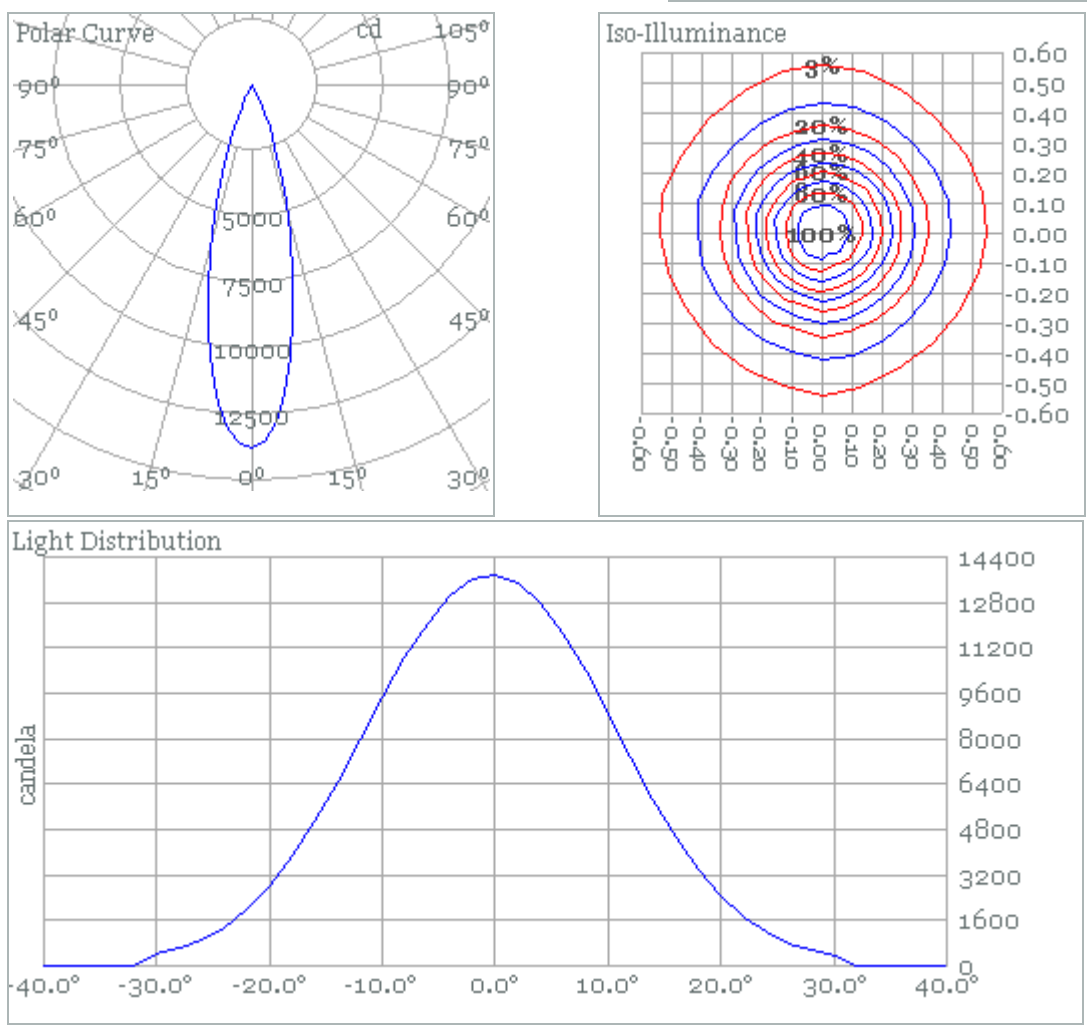
Narrow (Only White LEDs on. Narrow Diffuser.) (13°)

m.	Ø 50%	13°	E (lux)	Efficacy
5	1.1		1880	34.6 lumens per watt
10	2.3		470	Half-peak diameter
20	4.6		118	0.23 X distance(m)
30	6.8		52	Illuminance
50	11.4		19	47000 / distance ² (lux)
				Total Output
				2900 (lumens)




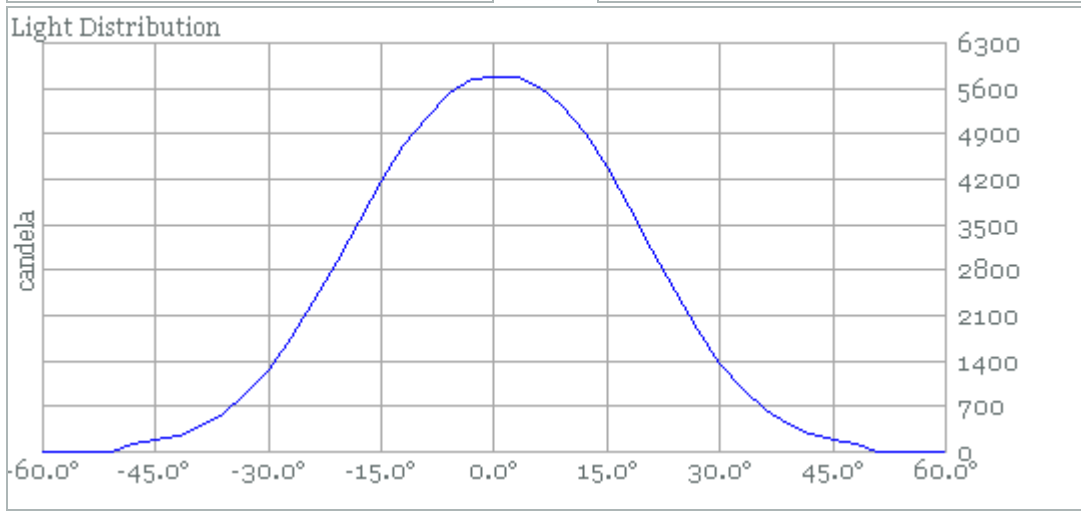
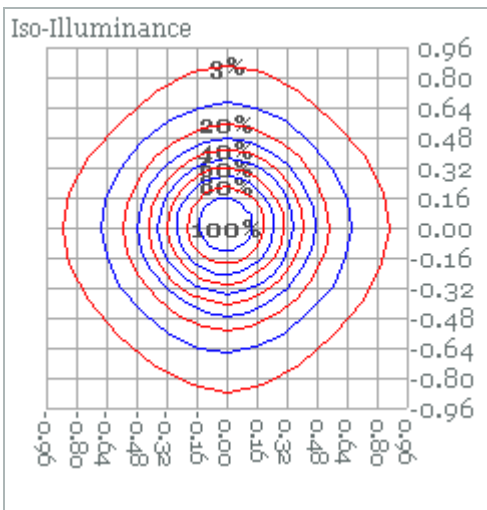
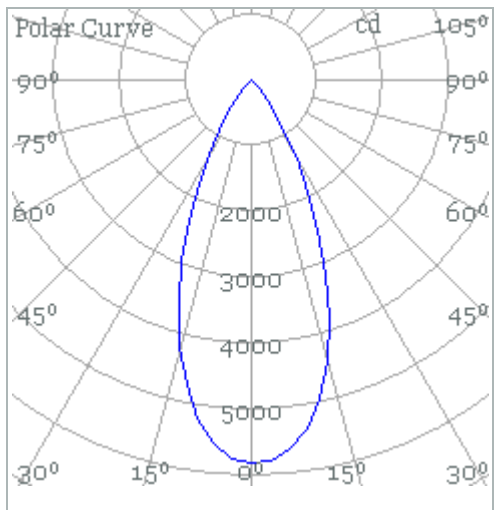
Medium (Only White LEDs on. Medium Diffuser.) (27°)

m.	Ø 50%		E (lux)	Efficacy
5	2.4		560	38.3 lumens per watt
10	4.8		140	Half-peak diameter
20	9.6		35	0.48 X distance(m)
30	14.4		16	Illuminance
50	24.0		6	14000 / distance ² (lux)
			Total Output	
			3200 (lumens)	




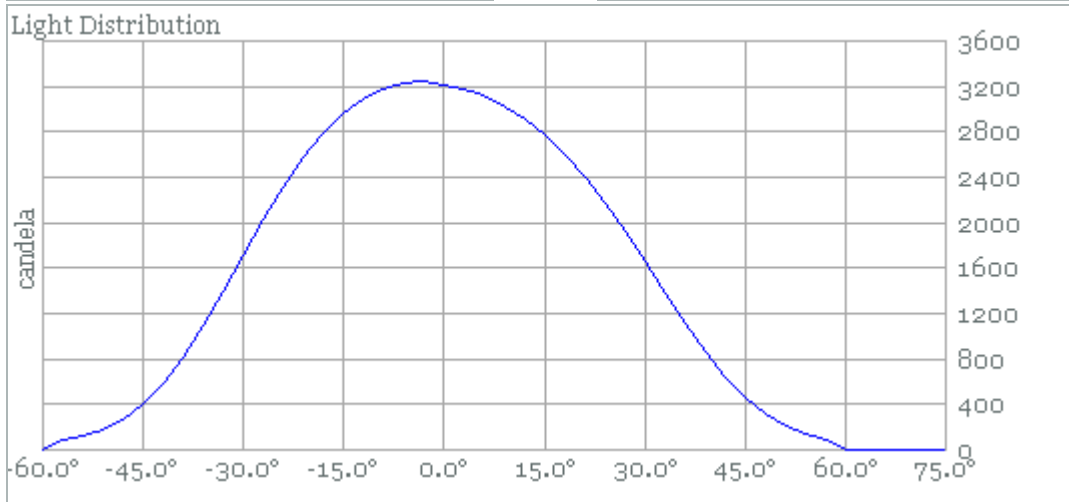
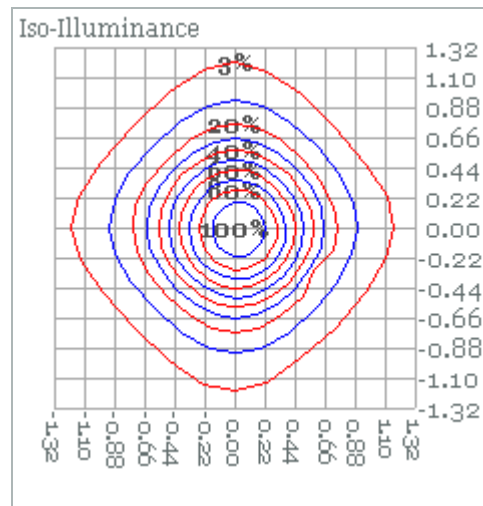
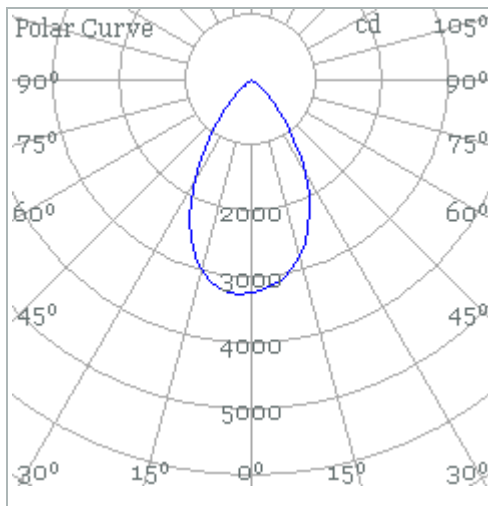
Wide (Only White LEDs on. Wide Diffuser.) (43°)

m.	Ø 50%	43°	E (lux)	Efficacy
5	3.9		232	39.8 lumens per watt
10	7.9		58	Half-peak diameter
20	15.8		15	0.79 X distance(m)
30	23.6		6	Illuminance
50	39.4		2	5800 / distance ² (lux)
				Total Output
				3300 (lumens)

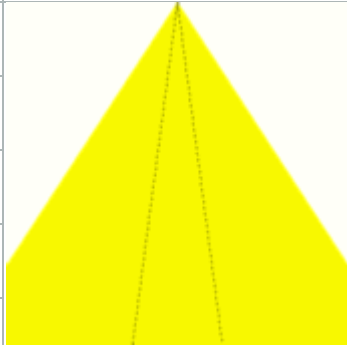


Very Wide (Only White LEDs on. Very Wide Diffuser.) (62°)

m.	Ø 50%	62°	E (lux)	Efficacy
5	6.0		132	40.6 lumens per watt
10	12.0		33	Half-peak diameter
20	24.0		8	1.20 X distance(m)
30	36.1		4	Illuminance
50	60.1		1	3300 / distance ² (lux)
				Total Output
				3400 (lumens)



Standard with ellipsoidal beamshaper (Only White LEDs on. Asymmetric Diffuser.) (66° X 15°)

m.	Ø 50%		66° 15°	E (lux)	Efficacy
	C ₀	C ₉₀			37.8 lumens per watt
5	6.5	1.3		372	Half-peak diameter C ₀
10	13.0	2.6		93	1.30 X distance(m)
20	26.0	5.3		23	Half-peak diameter C ₉₀
30	39.0	7.9		10	0.26 X distance(m)
50	64.9	13.2		4	Illuminance
					9300 / distance ² (lux)
					Total Output
					3100 (lumens)

