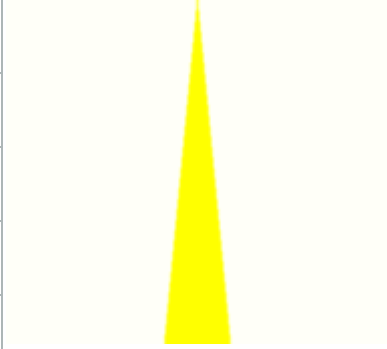
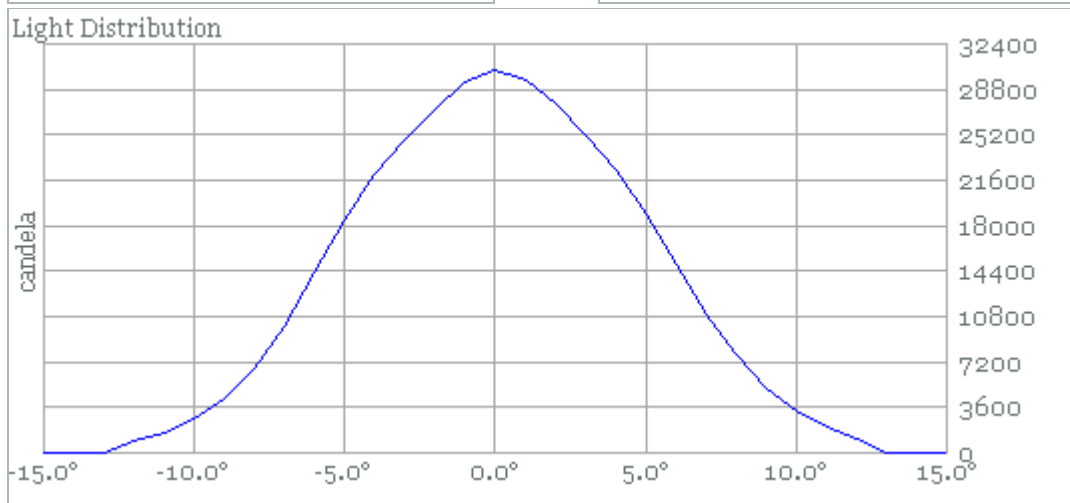
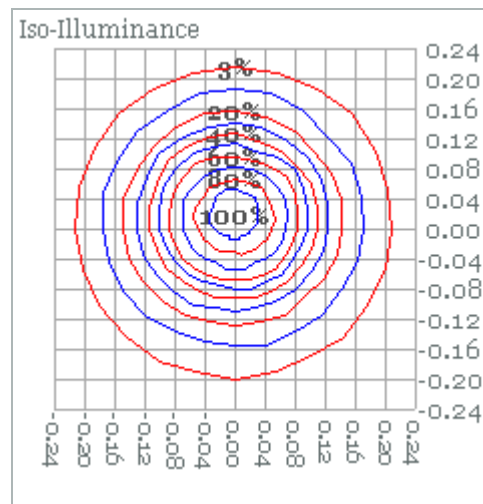
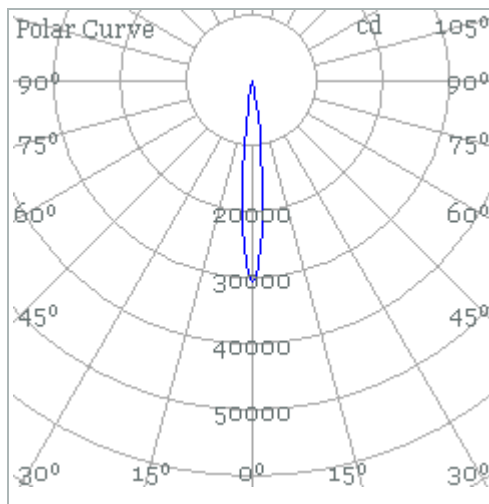



Exterior Wash 110 Photometrics

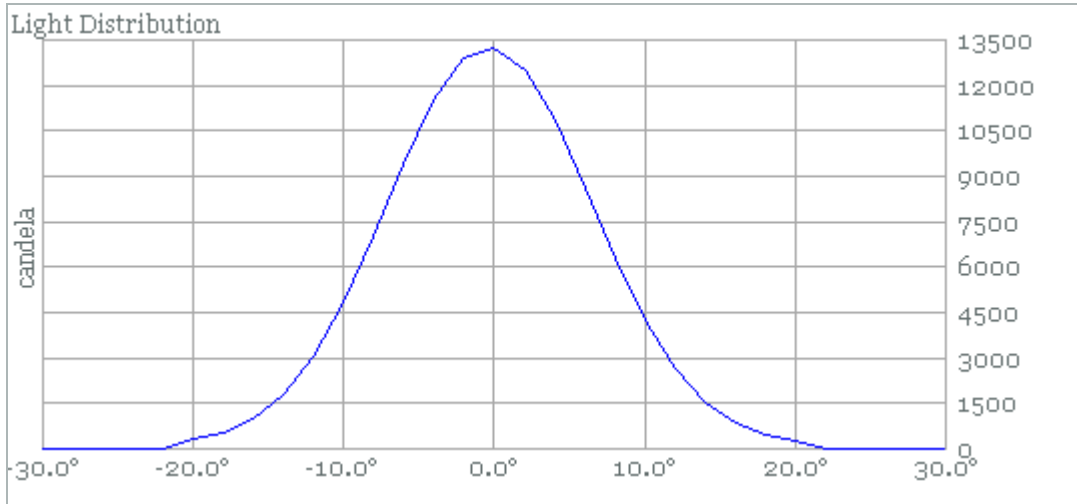
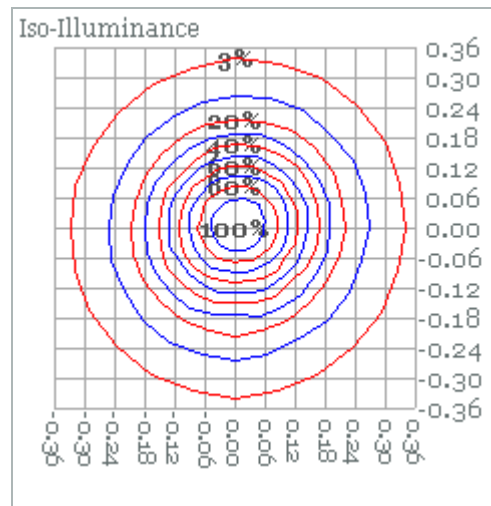
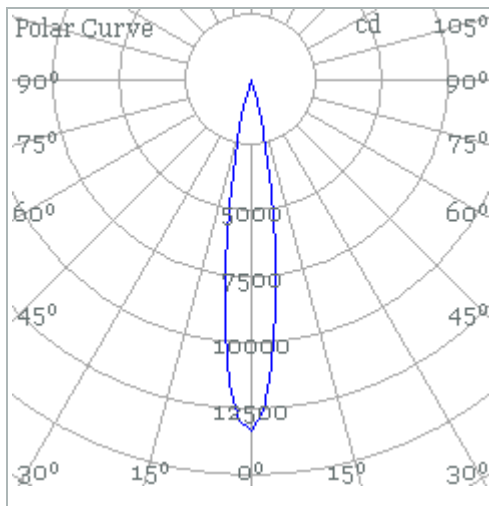
Standard (All LEDs on. Balanced White. No Diffuser.) (11°)

m.	Ø 50%	11°	E (lux)	Efficacy
				32.6 lumens per watt
5	1.0		1280	Half-peak diameter
10	1.9		320	0.19 X distance(m)
20	3.9		80	Illuminance
30	5.8		36	32000 / distance ² (lux)
50	9.6		13	Total Output
				1300 (lumens)

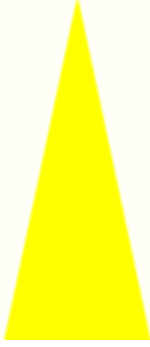


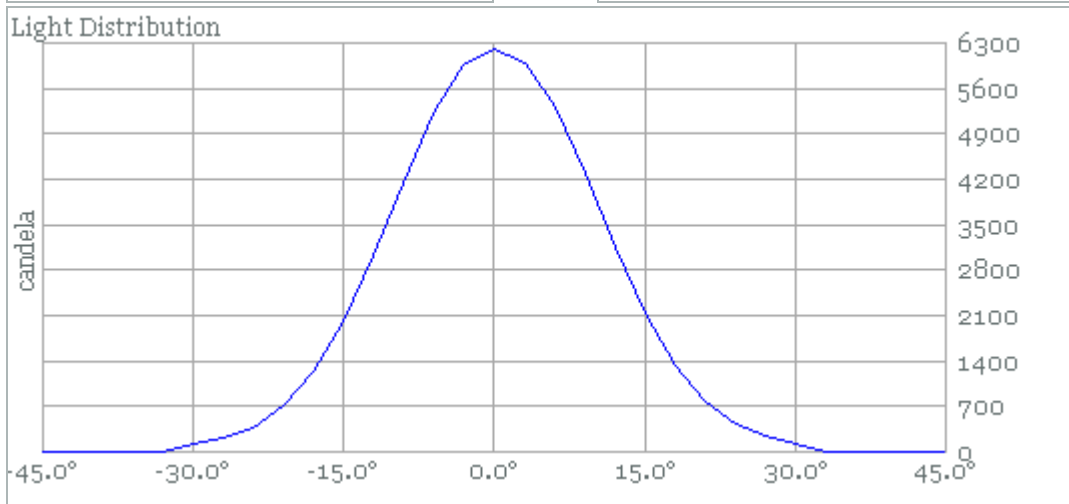
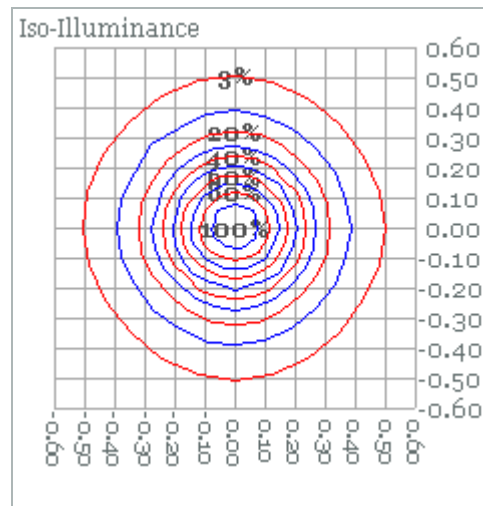
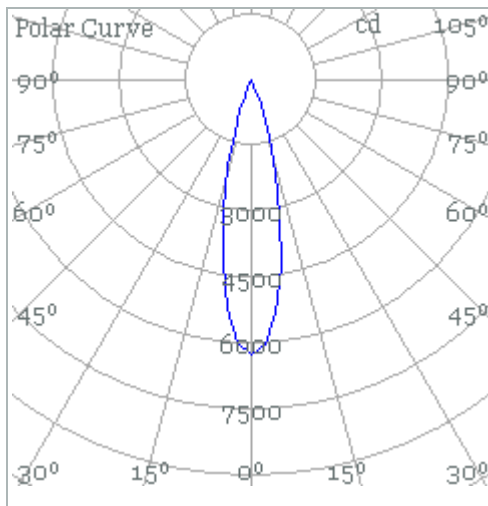
Narrow (All LEDs on. Balanced White. Narrow Diffuser.) (16°)

m.	Ø 50%	16°	E (lux)	Efficacy
5	1.4		520	30.2 lumens per watt
10	2.8		130	Half-peak diameter
20	5.6		33	0.28 X distance(m)
30	8.4		14	Illuminance
50	14.1		5	13000 / distance² (lux)
				Total Output
				1200 (lumens)

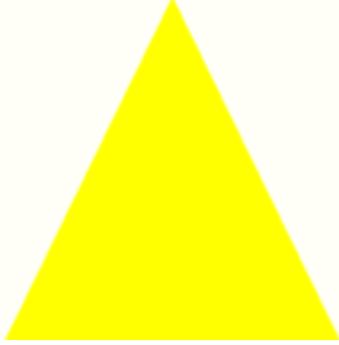


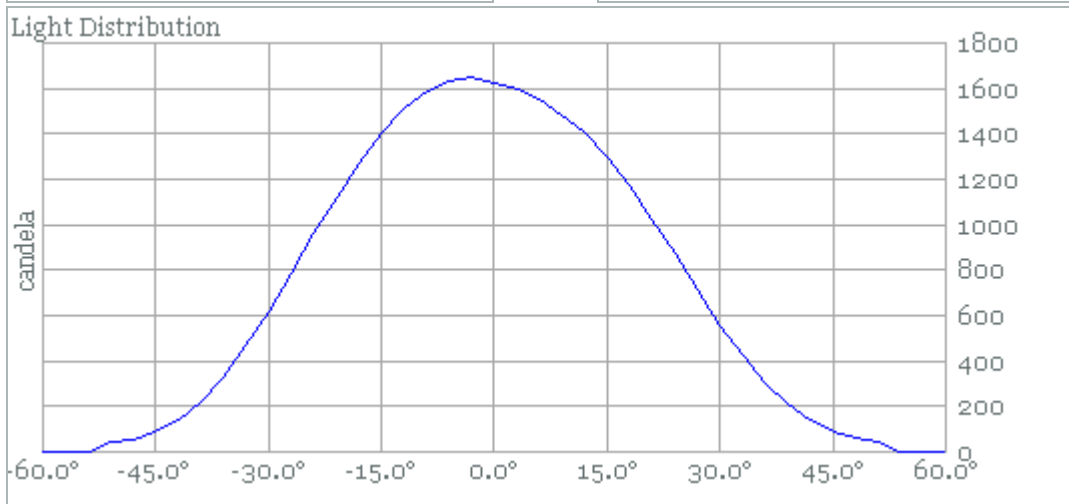
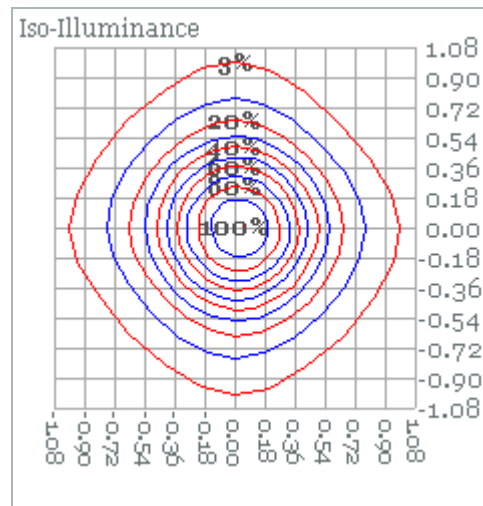
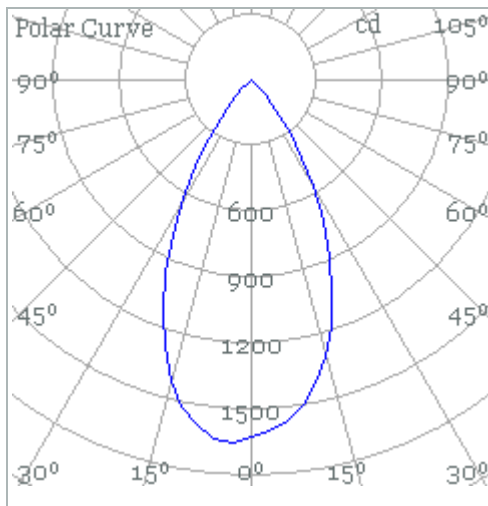
Medium (All LEDs on. Balanced White. Medium Diffuser.) (24°)

m.	Ø 50%	24°	E (lux)	Efficacy
5	2.1		248	31 lumens per watt
10	4.3		62	Half-peak diameter
20	8.5		16	0.43 X distance(m)
30	12.8		7	Illuminance
50	21.3		2	6200 / distance ² (lux)
				Total Output
				1200 (lumens)

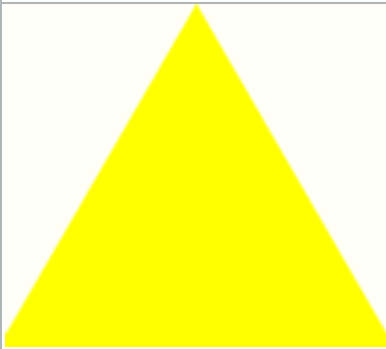


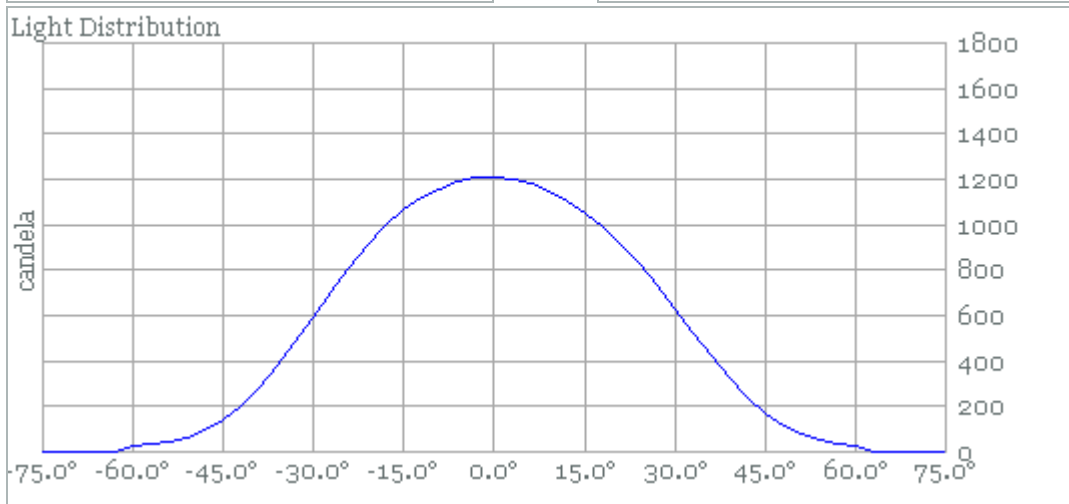
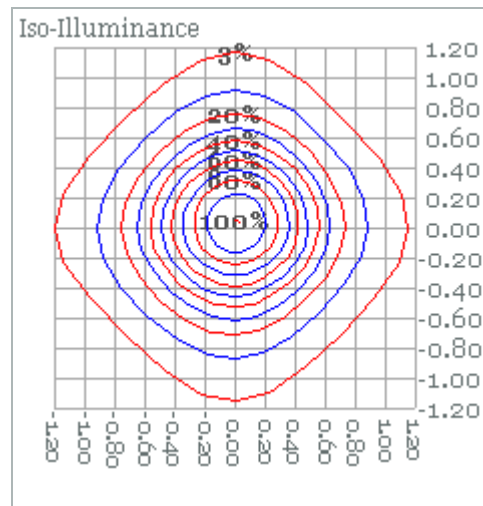
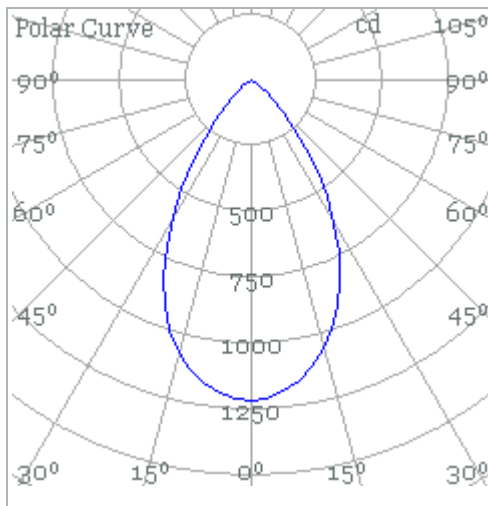
Wide (All LEDs on. Balanced White. Wide Diffuser.) (52°)

m.	Ø 50%	52°	E (lux)	Efficacy
5	4.9		64	31.8 lumens per watt
10	9.8		16	Half-peak diameter
20	19.5		4	0.98 X distance(m)
30	29.3		2	Illuminance
50	48.8		1	1600 / distance ² (lux)
				Total Output
				1200 (lumens)

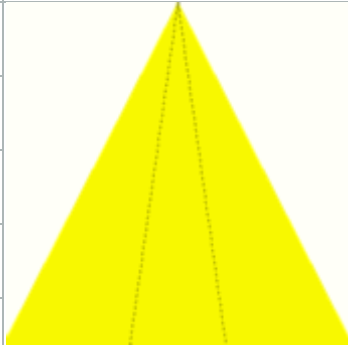


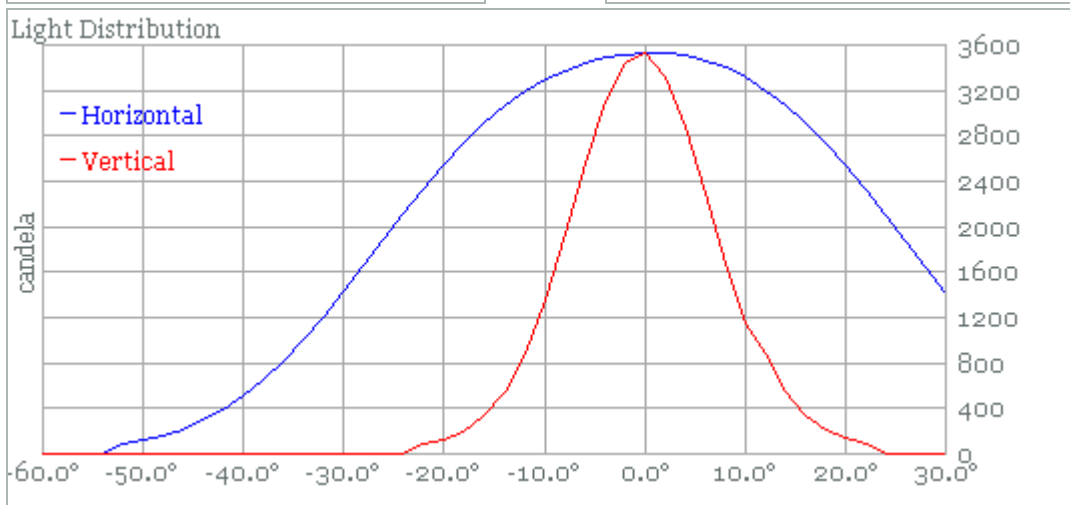
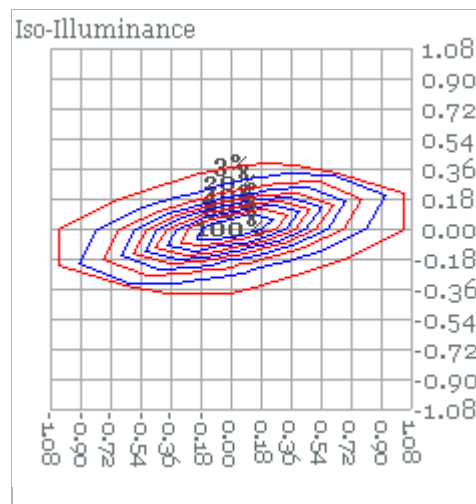
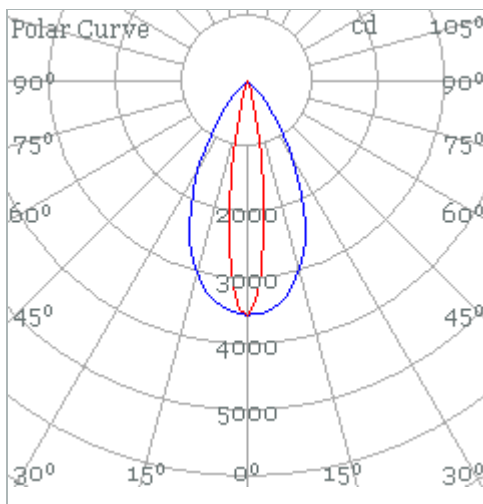
Very Wide (All LEDs on. Balanced White. Very Wide Diffuser.) (60°)

m.	Ø 50%	60°	E (lux)	Efficacy
5	5.8		48	30.9 lumens per watt
10	11.5		12	Half-peak diameter
20	23.1		3	1.15 X distance(m)
30	34.6		1	Illuminance
50	57.7		0	1200 / distance ² (lux)
				Total Output
				1200 (lumens)

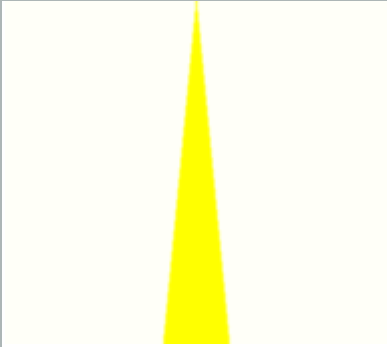


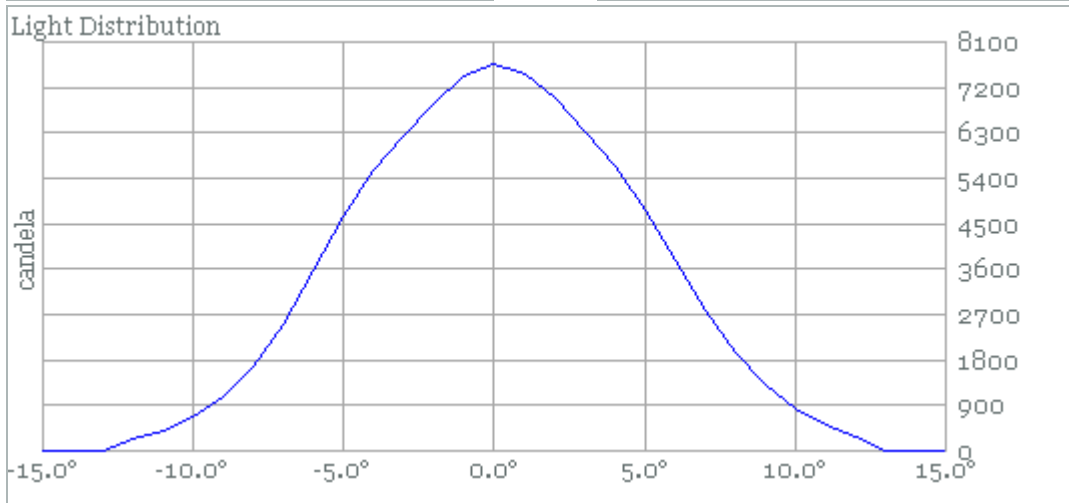
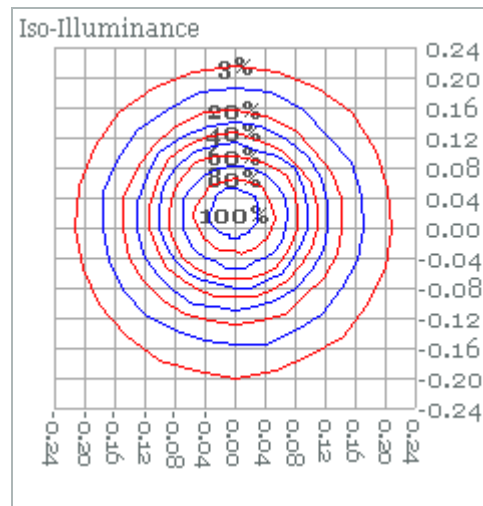
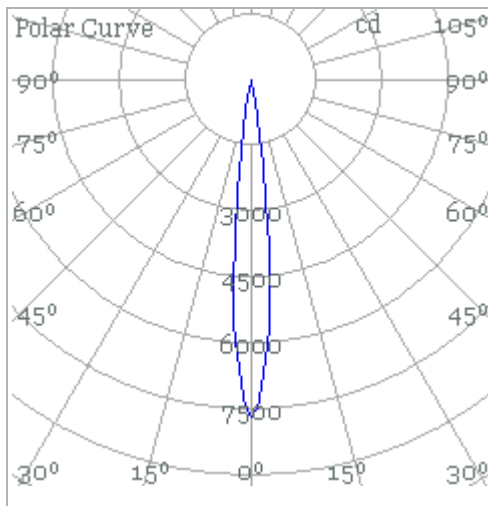
Standard with ellipsoidal beamshaper (All LEDs on. Balanced White. Asymmetric Diffuser.) (54° X 16°)

m.	Ø 50%		54° 16°	E (lux)	Efficacy
	C ₀	C ₉₀			30.8 lumens per watt
5	5.1	1.4		140	Half-peak diameter C ₀
10	10.2	2.8		35	1.02 X distance(m)
20	20.4	5.6		9	Half-peak diameter C ₉₀
30	30.6	8.4		4	0.28 X distance(m)
50	51.0	14.1		1	Illuminance
					3500 / distance ² (lux)
					Total Output
					1200 (lumens)




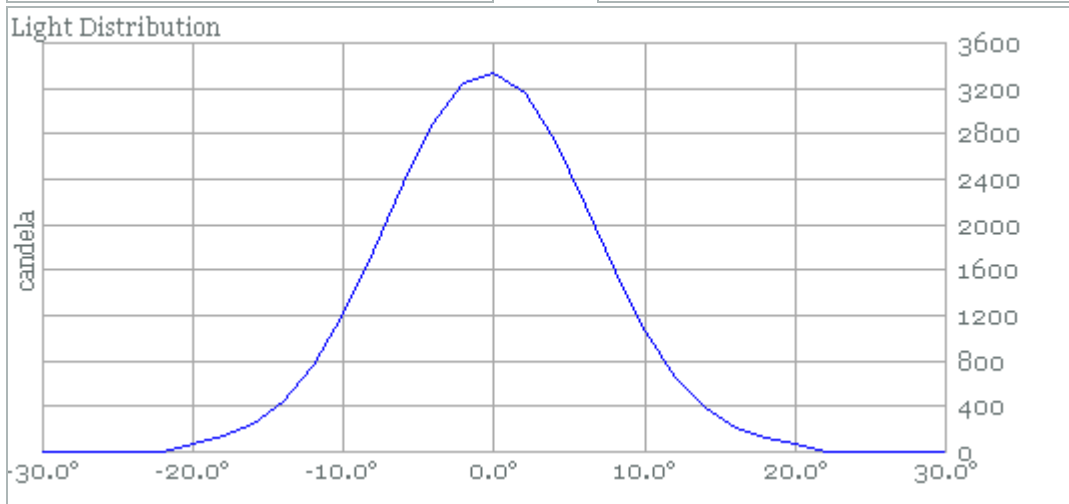
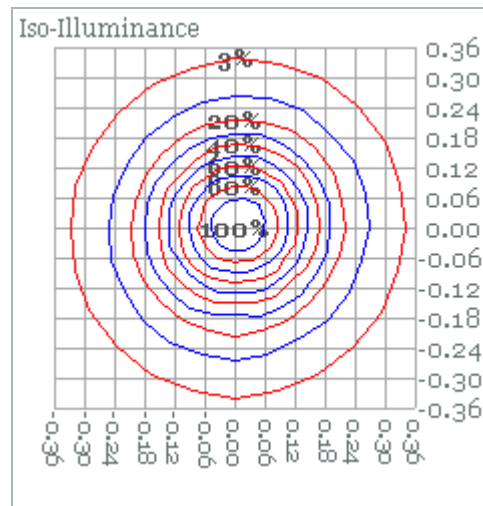
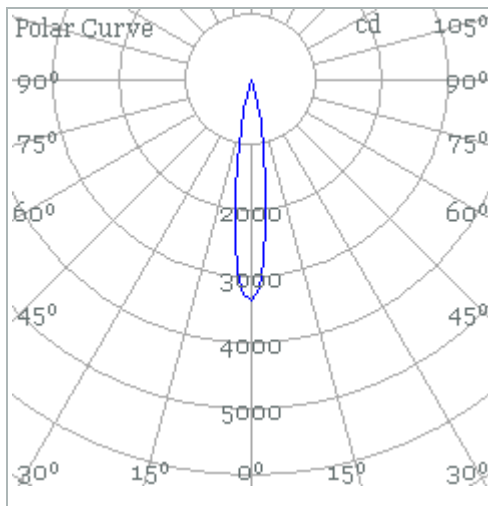
Standard (Only Red LEDs on. No Diffuser.) (11°)

m.	Ø 50%	11°	E (lux)	Efficacy
5	1.0		320	26.6 lumens per watt
10	1.9		80	Half-peak diameter
20	3.9		20	0.19 X distance(m)
30	5.8		9	Illuminance
50	9.6		3	8000 / distance ² (lux)
				Total Output
				320 (lumens)

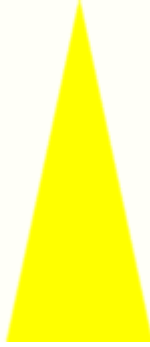


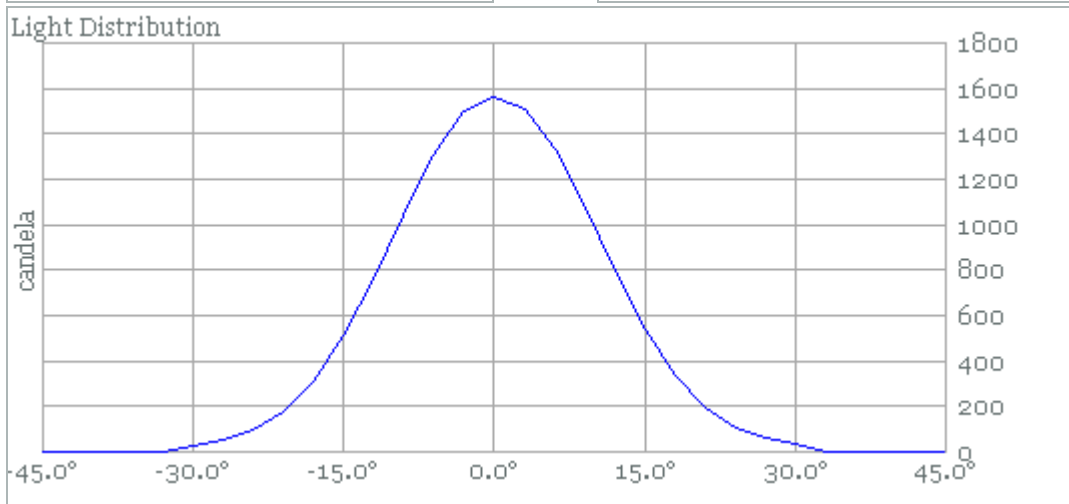
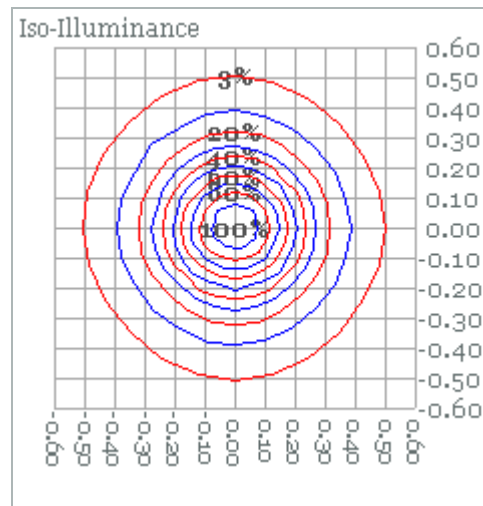
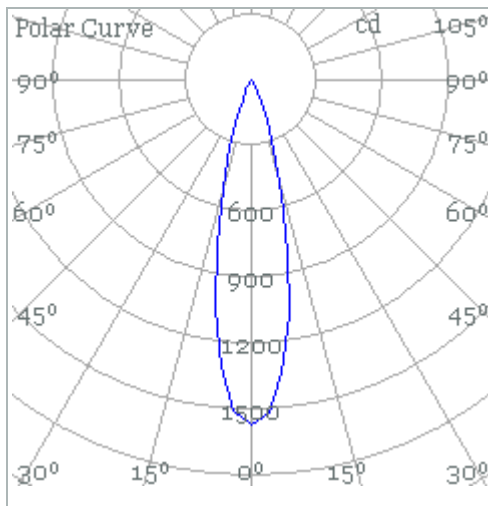
Narrow (Only Red LEDs on. Narrow Diffuser.) (16°)

m.	Ø 50%	16°	E (lux)	Efficacy
				24.7 lumens per watt
5	1.4		132	Half-peak diameter
10	2.8		33	0.28 X distance(m)
20	5.6		8	Illuminance
30	8.4		4	3300 / distance ² (lux)
50	14.1		1	Total Output
				300 (lumens)

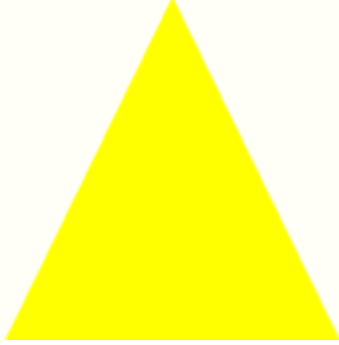


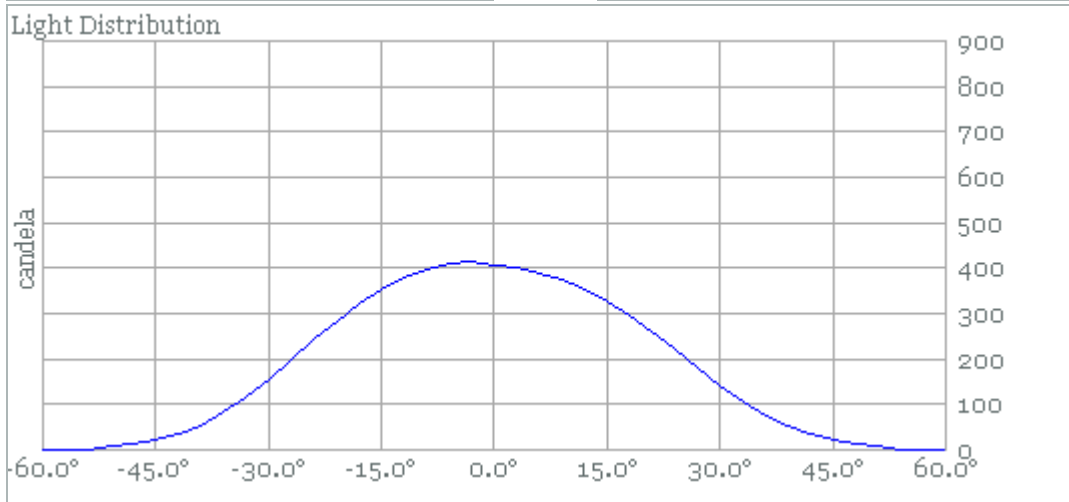
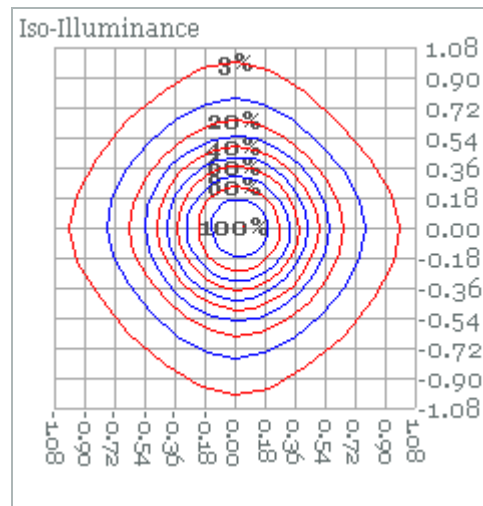
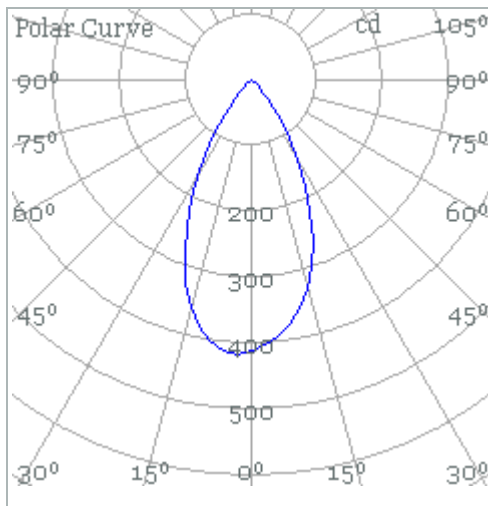
Medium (Only Red LEDs on. Medium Diffuser.) (24°)

m.	Ø 50%	24°	E (lux)	Efficacy
				25.4 lumens per watt
5	2.1		64	Half-peak diameter
10	4.3		16	0.43 X distance(m)
20	8.5		4	Illuminance
30	12.8		2	1600 / distance ² (lux)
50	21.3		1	Total Output
				300 (lumens)

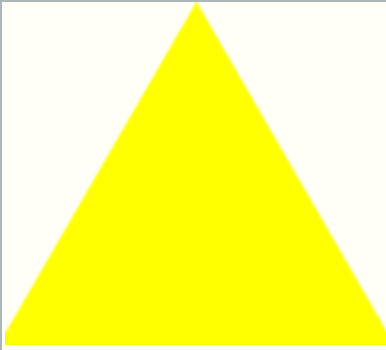


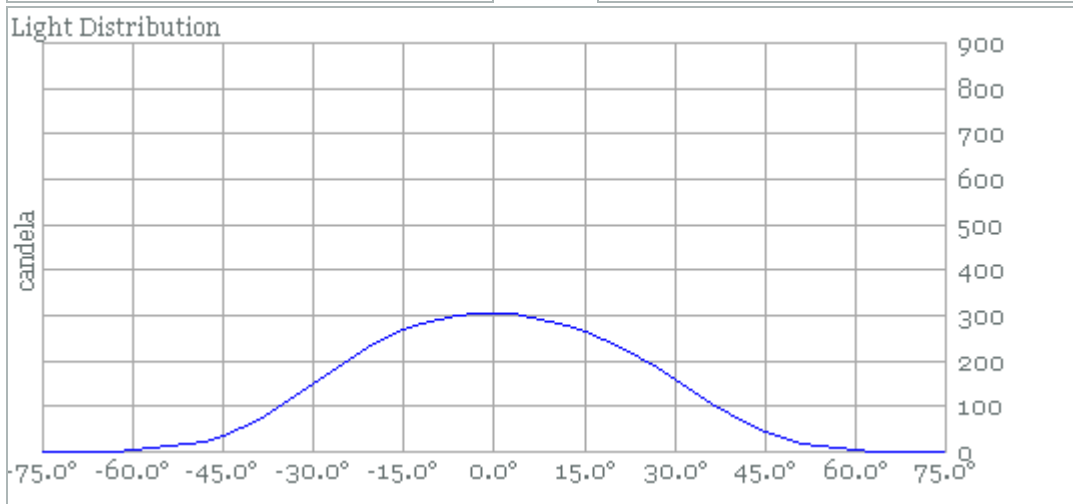
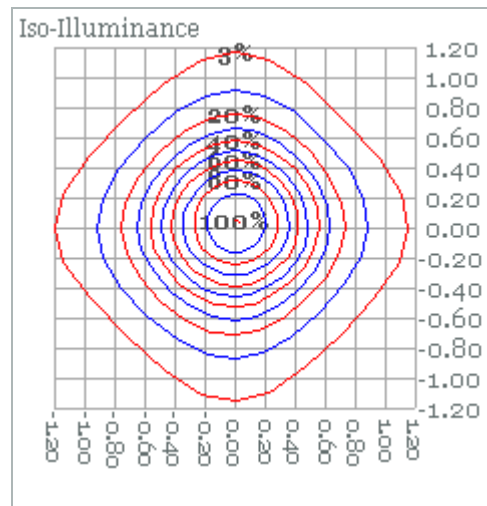
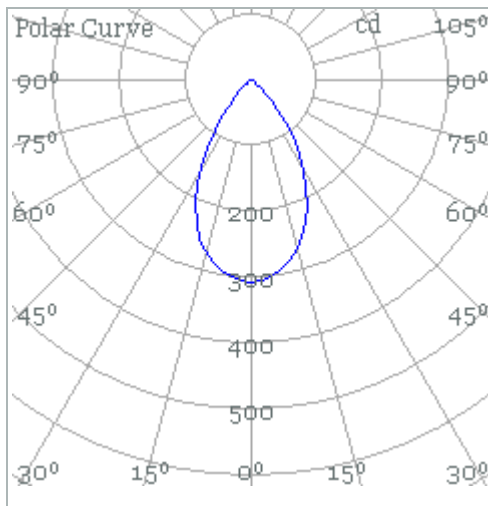
Wide (Only Red LEDs on. Wide Diffuser.) (52°)

m.	Ø 50%	52°	E (lux)	Efficacy
5	4.9		16	26 lumens per watt
10	9.8		4	Half-peak diameter
20	19.5		1	0.98 X distance(m)
30	29.3		0	Illuminance
50	48.8		0	410 / distance ² (lux)
			0	Total Output
				310 (lumens)



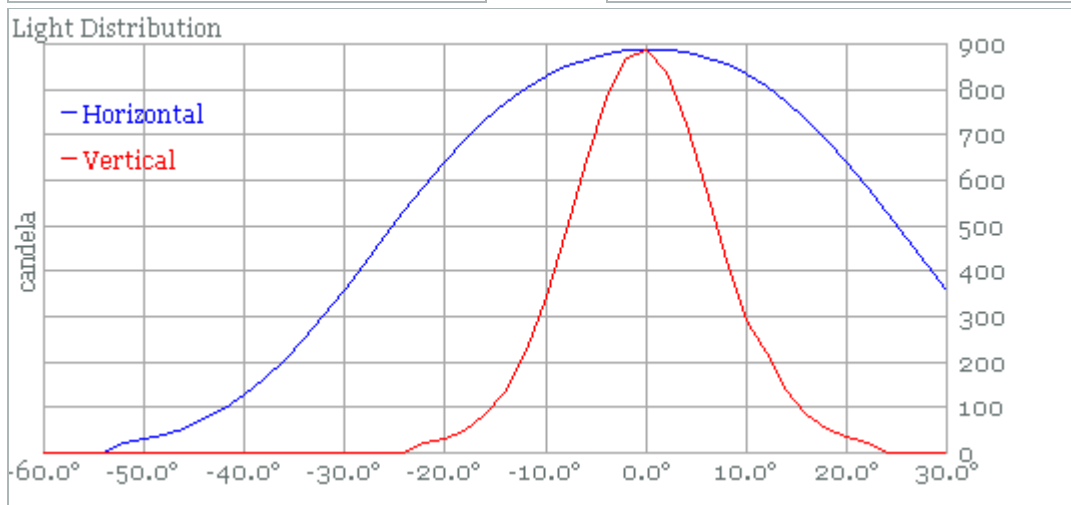
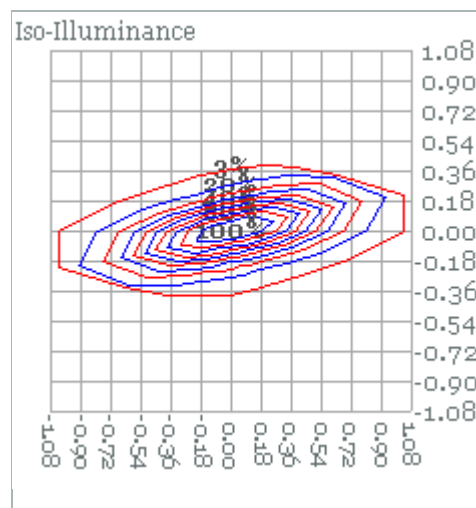
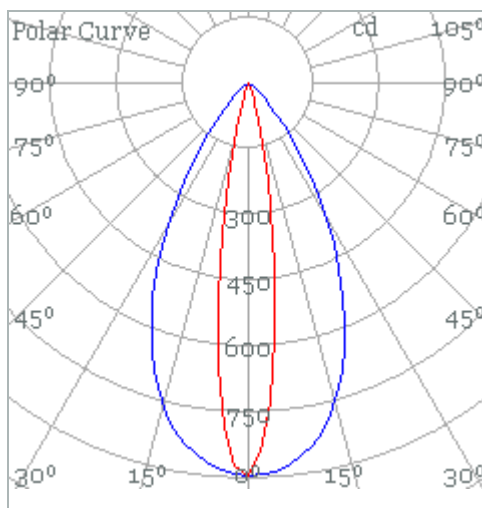
Very Wide (Only Red LEDs on. Very Wide Diffuser.) (60°)

m.	Ø 50%	60°	E (lux)	Efficacy
5	5.8		12	25.3 lumens per watt
10	11.5		3	Half-peak diameter
20	23.1		1	1.15 X distance(m)
30	34.6		0	Illuminance
50	57.7		0	310 / distance ² (lux)
				Total Output
				300 (lumens)

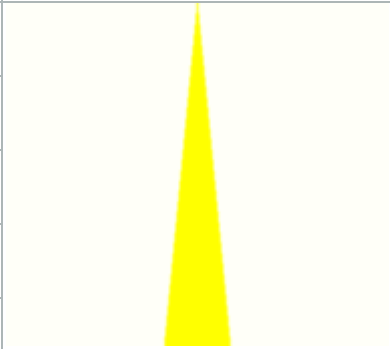


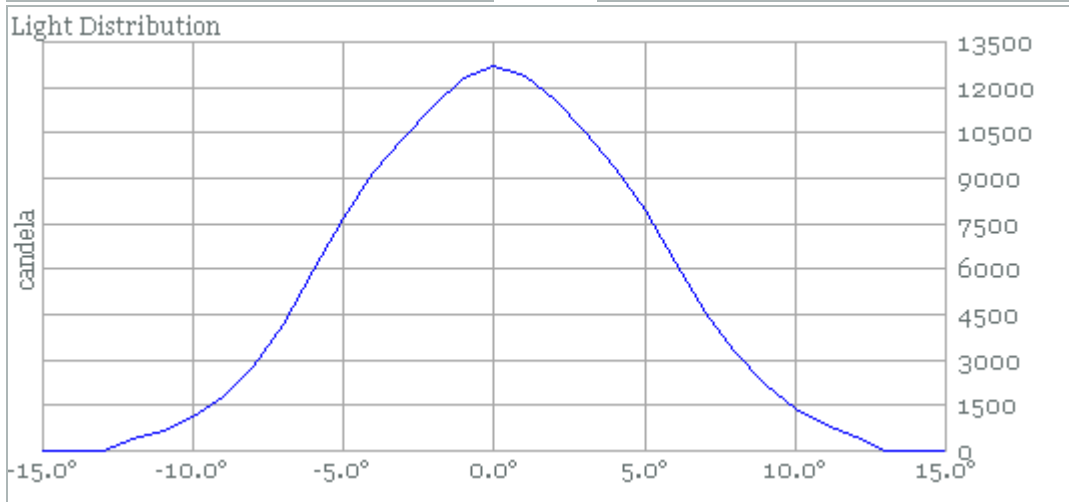
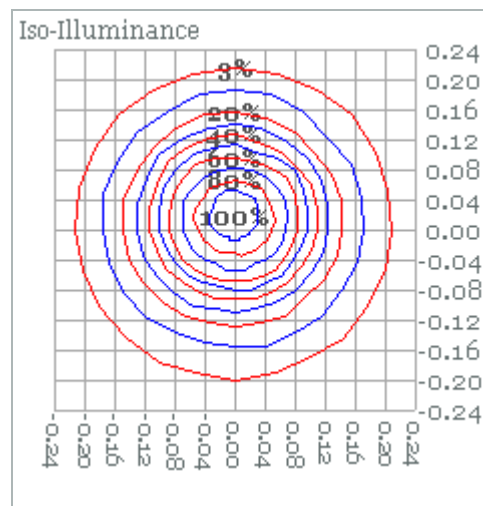
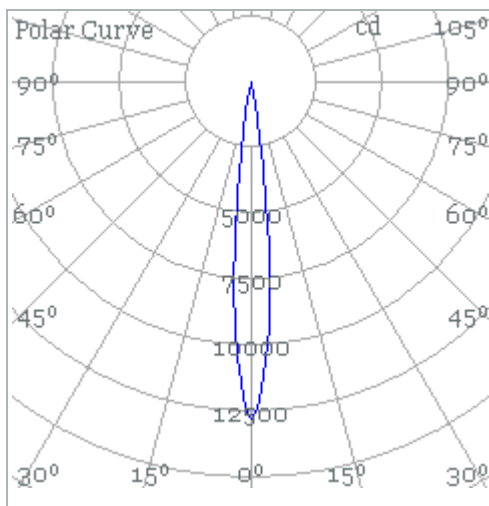
Standard with ellipsoidal beamshaper (Only Red LEDs on. Asymmetric Diffuser.) (54° X 16°)

m.	Ø 50%		54° 16°	E (lux)	Efficacy
	C ₀	C ₉₀			25.2 lumens per watt
5	5.1	1.4		36	Half-peak diameter C ₀
10	10.2	2.8		9	1.02 X distance(m)
20	20.4	5.6		2	Half-peak diameter C ₉₀
30	30.6	8.4		1	0.28 X distance(m)
50	51.0	14.1		0	Illuminance
					890 / distance ² (lux)
					Total Output
					300 (lumens)




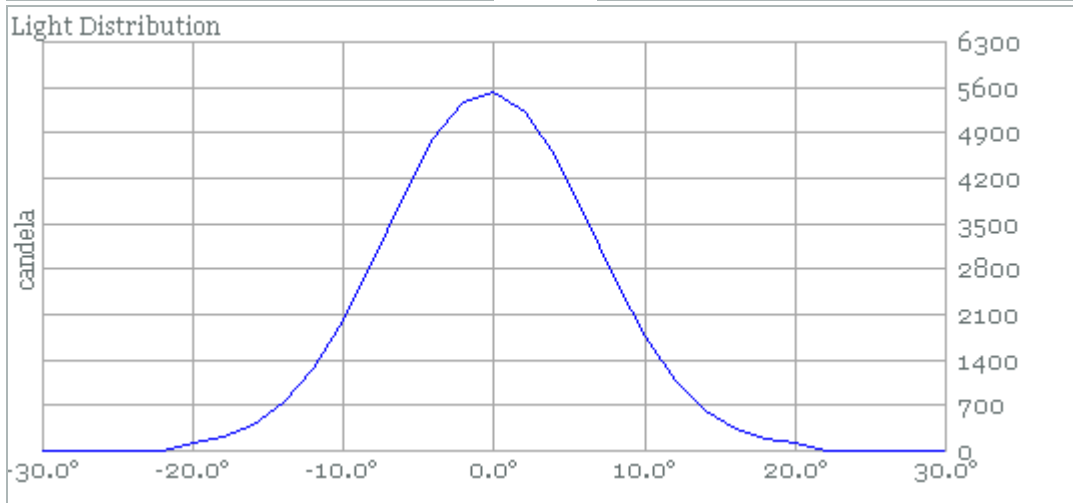
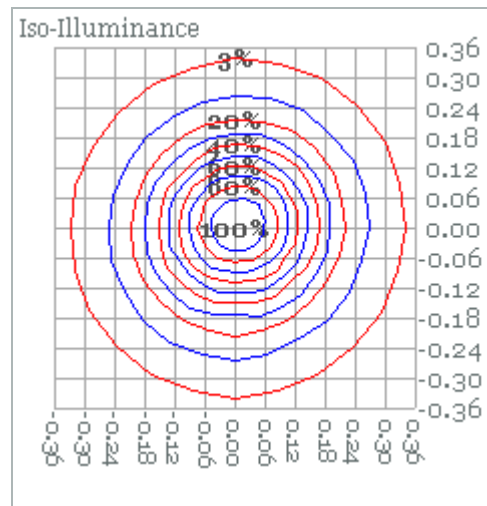
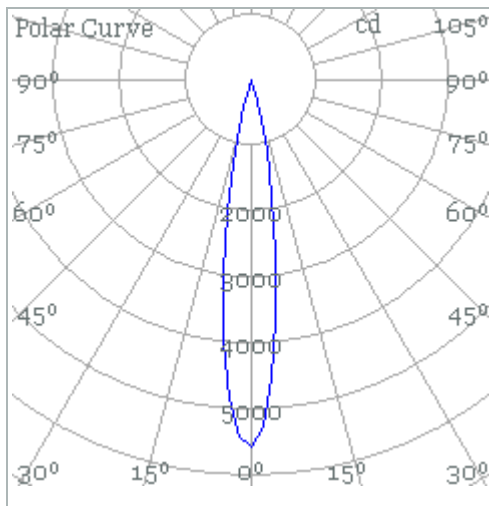
Standard (Only Green LEDs on. No Diffuser.) (11°)

m.	Ø 50%	11°	E (lux)	Efficacy
5	1.0		520	35.4 lumens per watt
10	1.9		130	Half-peak diameter
20	3.9		33	0.19 X distance(m)
30	5.8		14	Illuminance
50	9.6		5	13000 / distance ² (lux)
				Total Output
				530 (lumens)

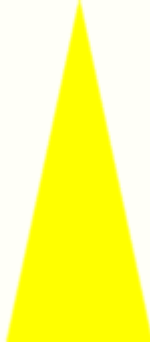


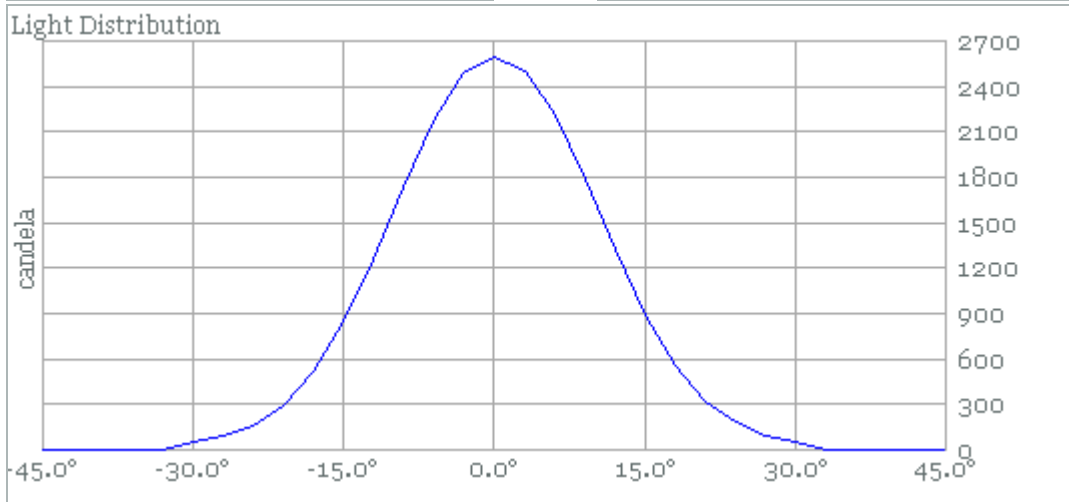
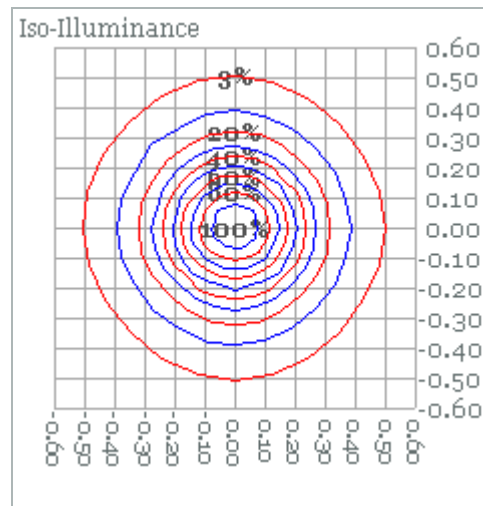
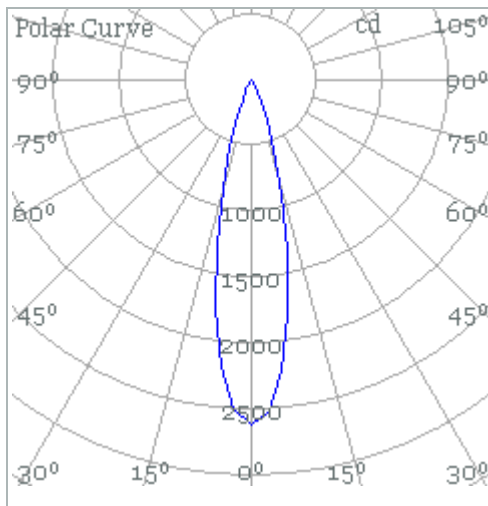
Narrow (Only Green LEDs on. Narrow Diffuser.) (16°)

m.	Ø 50%	16°	E (lux)	Efficacy
				32.8 lumens per watt
5	1.4		220	Half-peak diameter
10	2.8		55	0.28 X distance(m)
20	5.6		14	Illuminance
30	8.4		6	5500 / distance ² (lux)
50	14.1		2	Total Output
				490 (lumens)

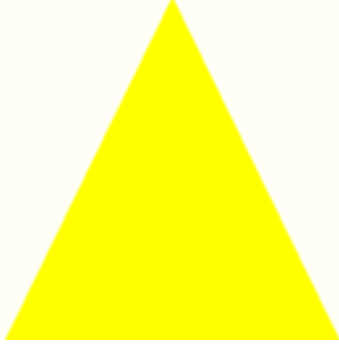


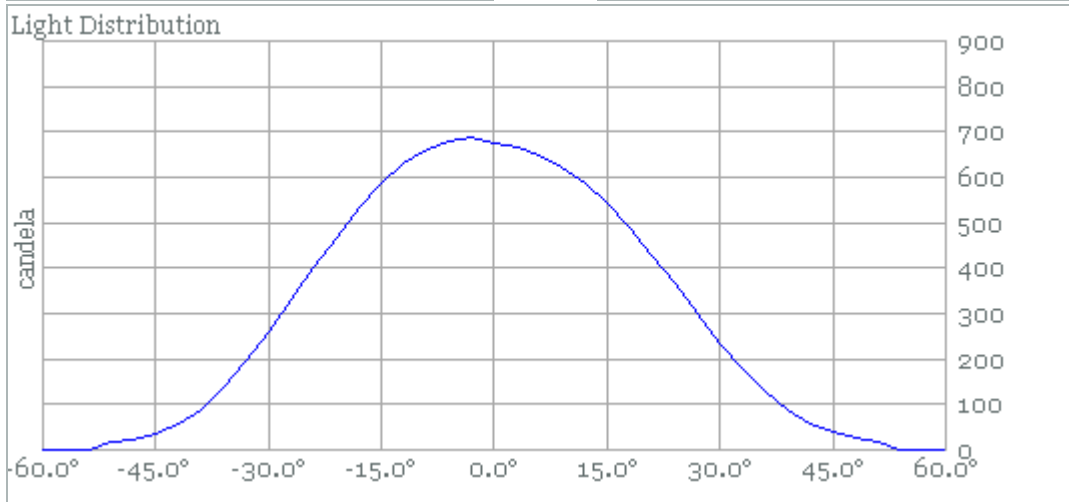
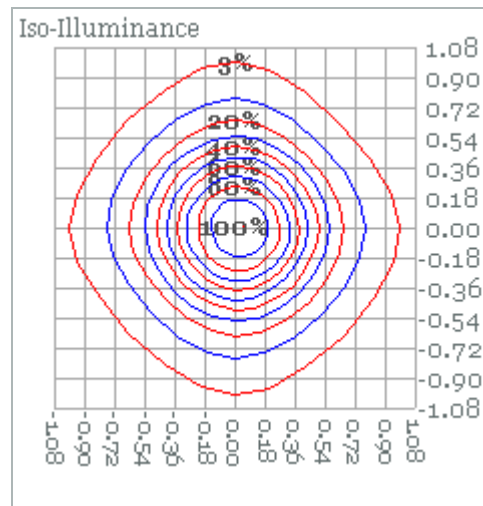
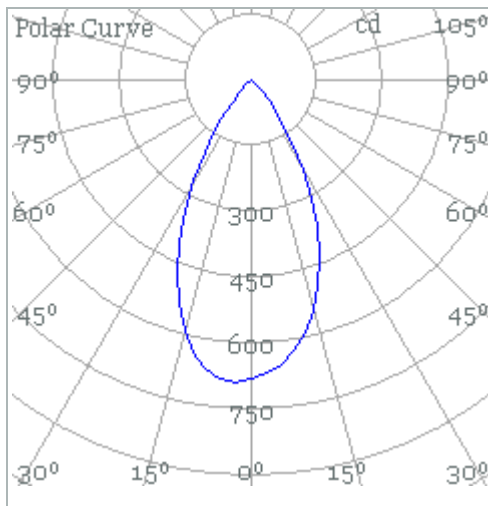
Medium (Only Green LEDs on. Medium Diffuser.) (24°)

m.	Ø 50%	24°	E (lux)	Efficacy
				33.7 lumens per watt
5	2.1		104	Half-peak diameter
10	4.3		26	0.43 X distance(m)
20	8.5		7	Illuminance
30	12.8		3	2600 / distance ² (lux)
50	21.3		1	Total Output
				510 (lumens)



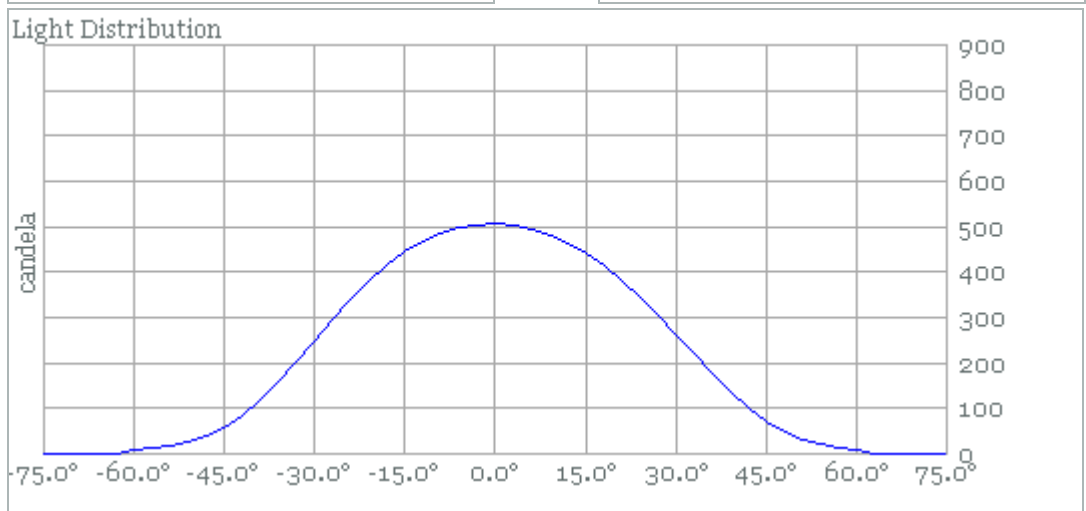
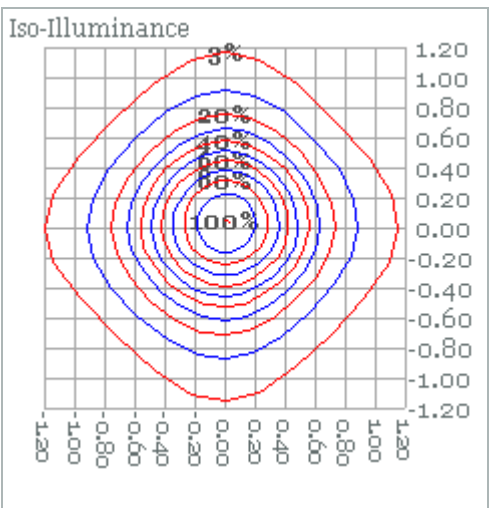
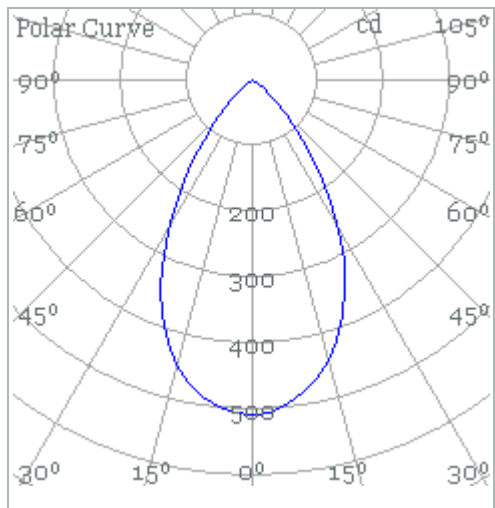
Wide (Only Green LEDs on. Wide Diffuser.) (52°)

m.	Ø 50%	52°	E (lux)	Efficacy
5	4.9		28	34.5 lumens per watt
10	9.8		7	Half-peak diameter
20	19.5		2	0.98 X distance(m)
30	29.3		1	Illuminance
50	48.8		0	690 / distance ² (lux)
				Total Output
				520 (lumens)

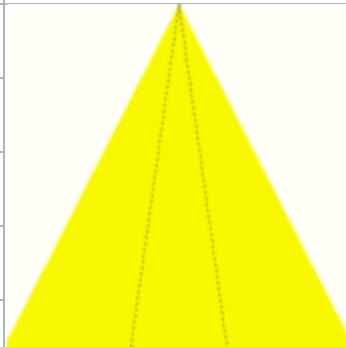


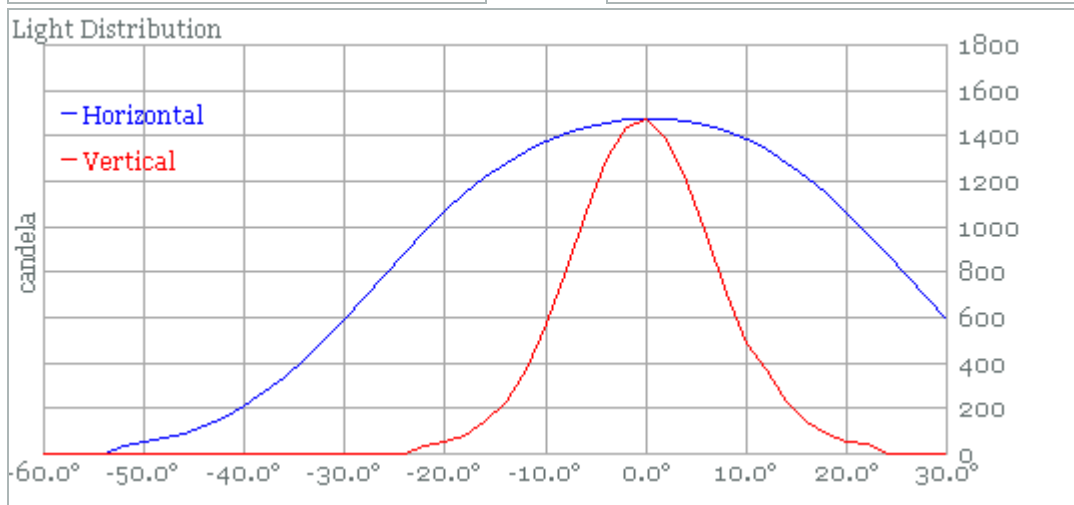
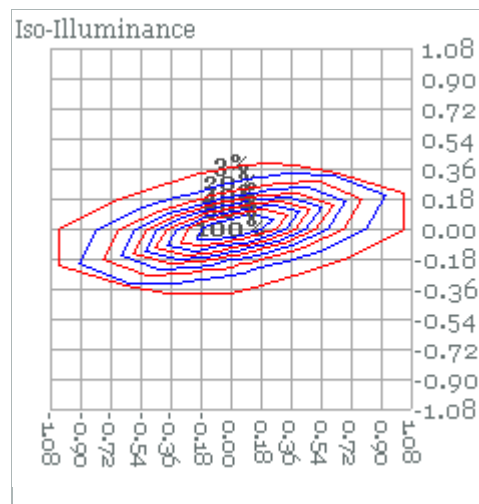
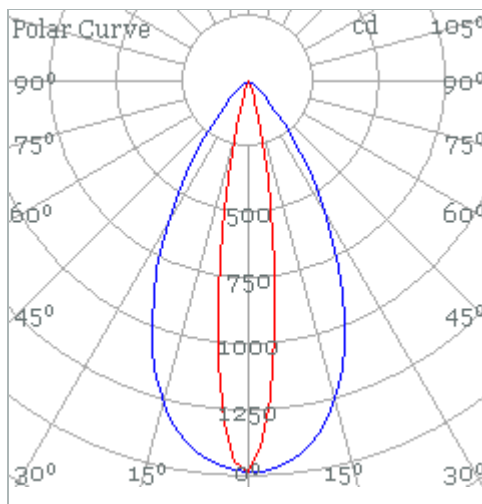
Very Wide (Only Green LEDs on. Very Wide Diffuser.) (60°)

m.	Ø 50%	60°	E (lux)	Efficacy
5	5.8		20	33.5 lumens per watt
10	11.5		5	Half-peak diameter
20	23.1		1	1.15 X distance(m)
30	34.6		1	Illuminance
50	57.7		0	510 / distance² (lux)
				Total Output
				500 (lumens)




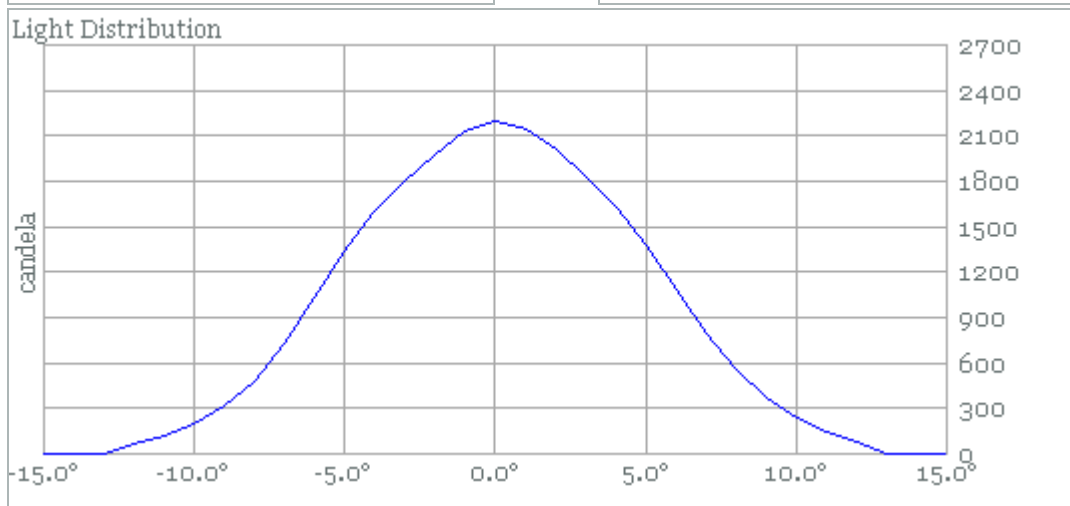
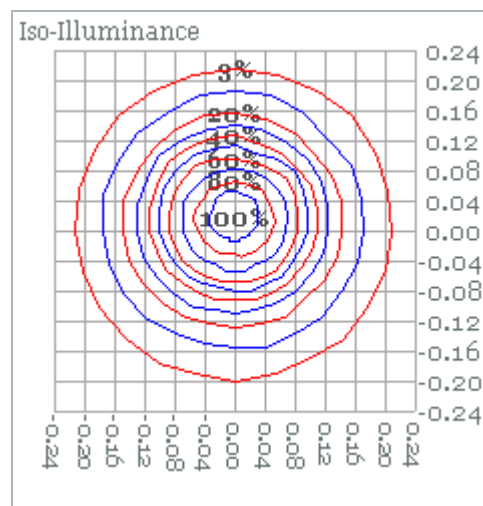
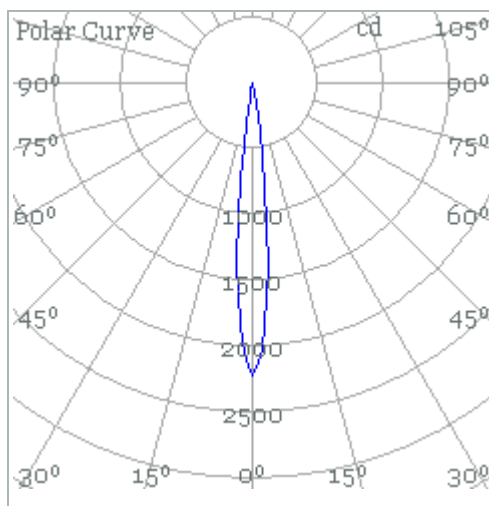
Standard with ellipsoidal beamshaper (Only Green LEDs on. Asymmetric Diffuser.) (54° X 16°)

m.	Ø 50%		54° 16°	E (lux)	Efficacy
	C ₀	C ₉₀			33.5 lumens per watt
5	5.1	1.4		60	Half-peak diameter C ₀
10	10.2	2.8		15	1.02 X distance(m)
20	20.4	5.6		4	Half-peak diameter C ₉₀
30	30.6	8.4		2	0.28 X distance(m)
50	51.0	14.1		1	Illuminance
					1500 / distance ² (lux)
					Total Output
					500 (lumens)




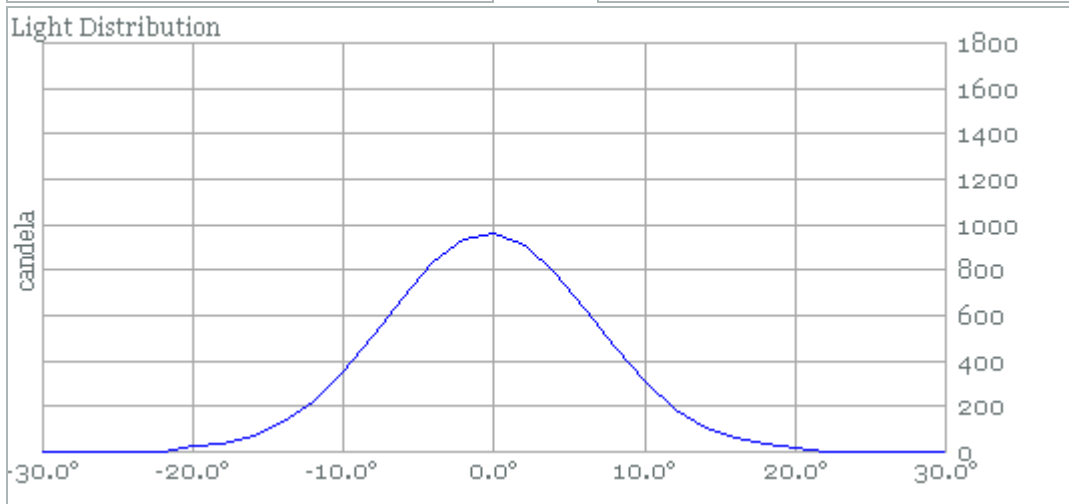
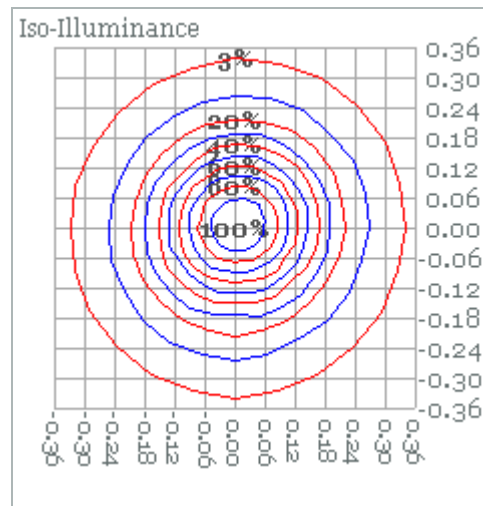
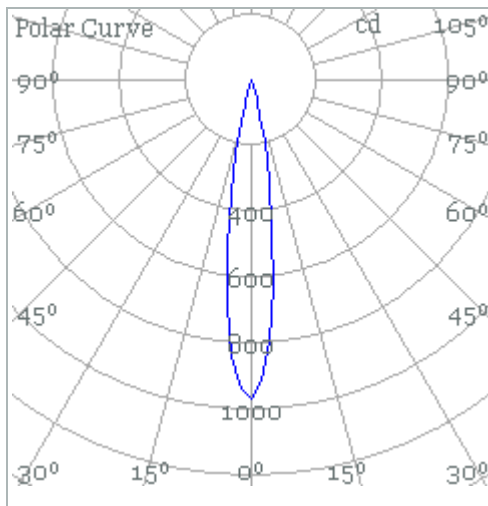
Standard (Only Blue LEDs on. No Diffuser.) (11°)

m.	Ø 50%	11°	E (lux)	Efficacy
5	1.0		92	6.6 lumens per watt
10	1.9		23	Half-peak diameter
20	3.9		6	0.19 X distance(m)
30	5.8		3	Illuminance
50	9.6		1	2300 / distance ² (lux)
				Total Output
				90 (lumens)

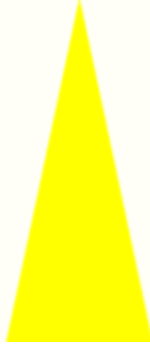


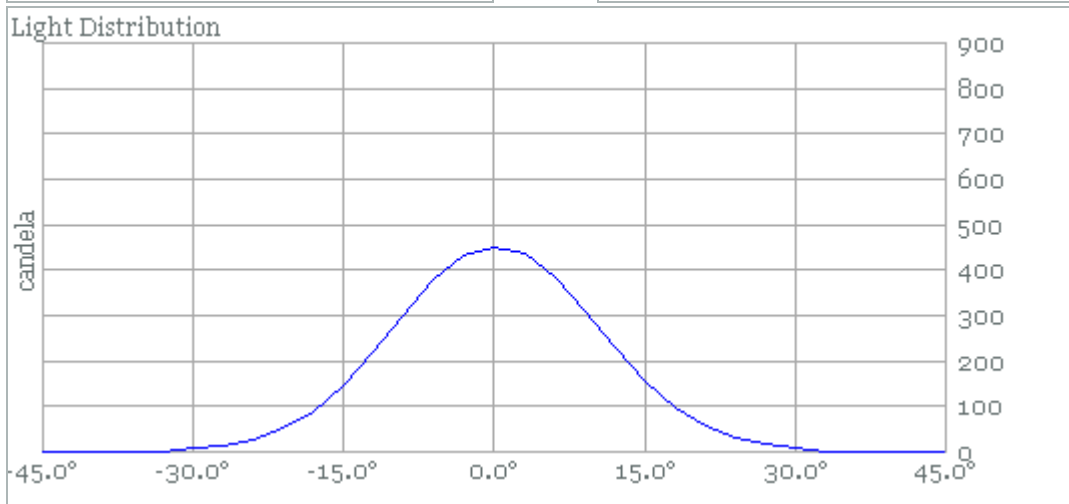
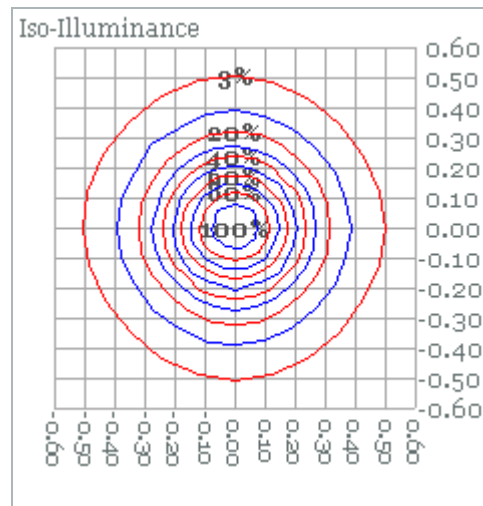
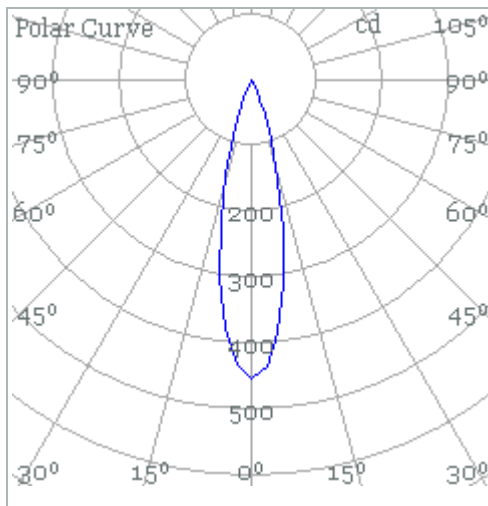
Narrow (Only Blue LEDs on. Narrow Diffuser.) (16°)

m.	Ø 50%	16°	E (lux)	Efficacy
5	1.4		38	6.1 lumens per watt
10	2.8		10	Half-peak diameter
20	5.6		2	0.28 X distance(m)
30	8.4		1	Illuminance
50	14.1		0	960 / distance ² (lux)
				Total Output
				90 (lumens)




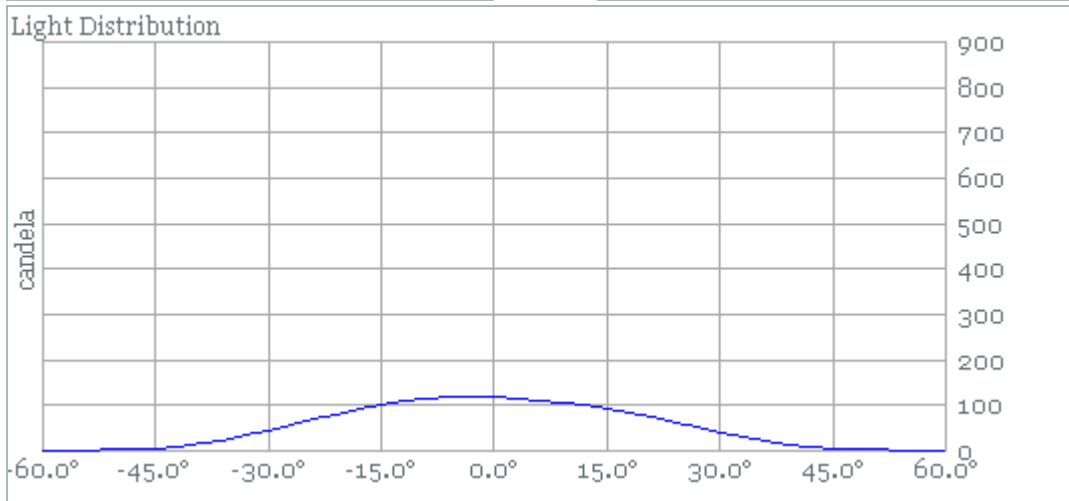
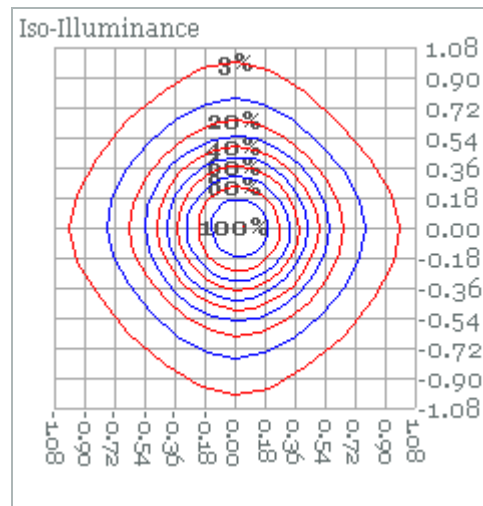
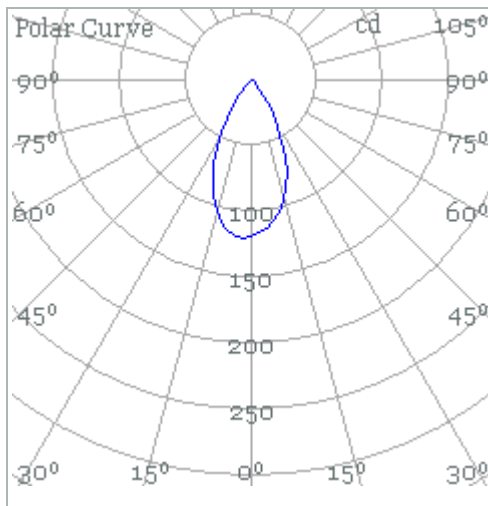
Medium (Only Blue LEDs on. Medium Diffuser.) (24°)

m.	Ø 50%	24°	E (lux)	Efficacy
5	2.1		18	6.3 lumens per watt
10	4.3		5	Half-peak diameter
20	8.5		1	0.43 X distance(m)
30	12.8		1	Illuminance
50	21.3		0	450 / distance ² (lux)
				Total Output
				90 (lumens)

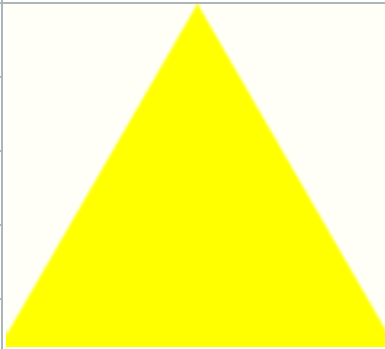


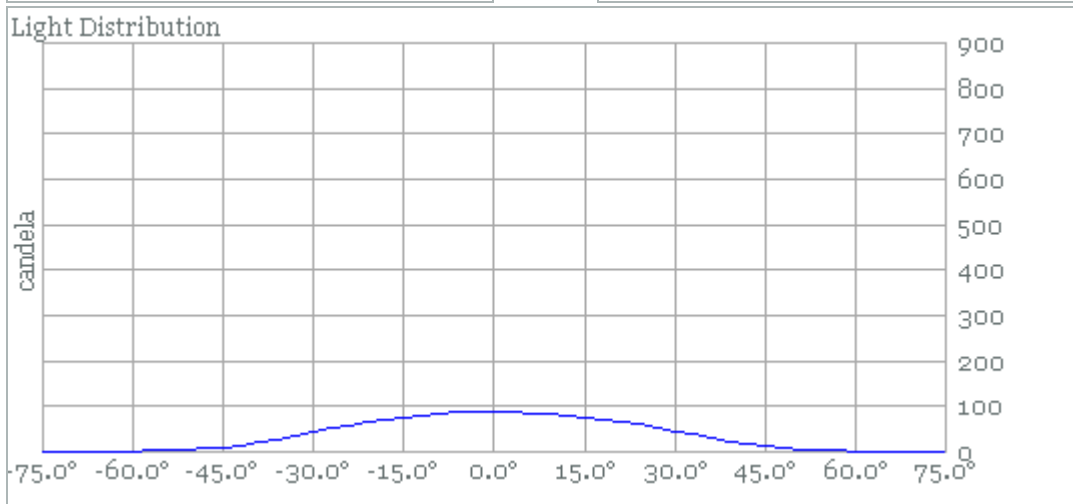
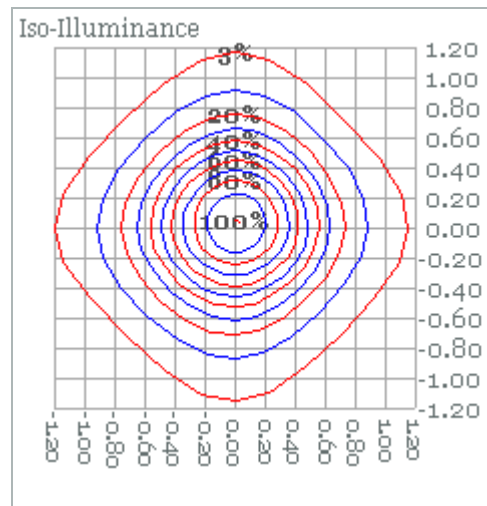
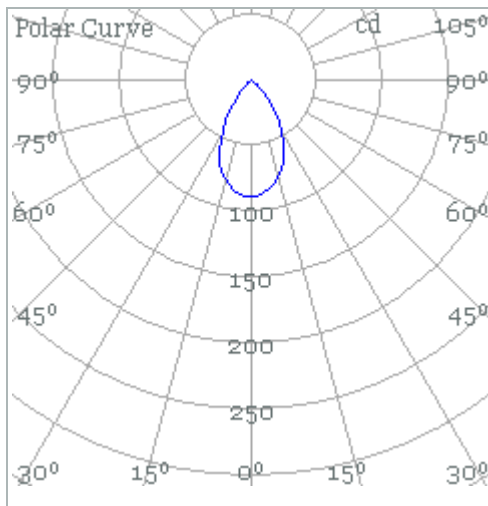
Wide (Only Blue LEDs on. Wide Diffuser.) (52°)

m.	Ø 50%	52°	E (lux)	Efficacy
5	4.9		5	6.4 lumens per watt
10	9.8		1	Half-peak diameter
20	19.5		0	0.98 X distance(m)
30	29.3		0	Illuminance
50	48.8		0	120 / distance ² (lux)
				Total Output
				90 (lumens)

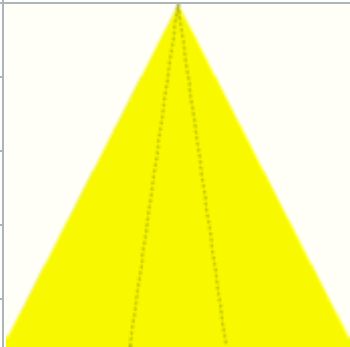


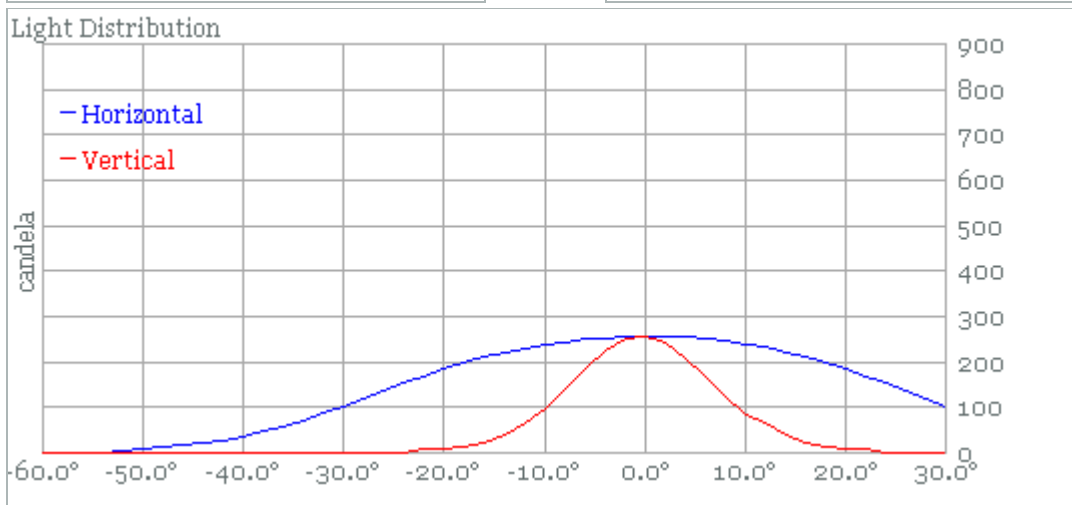
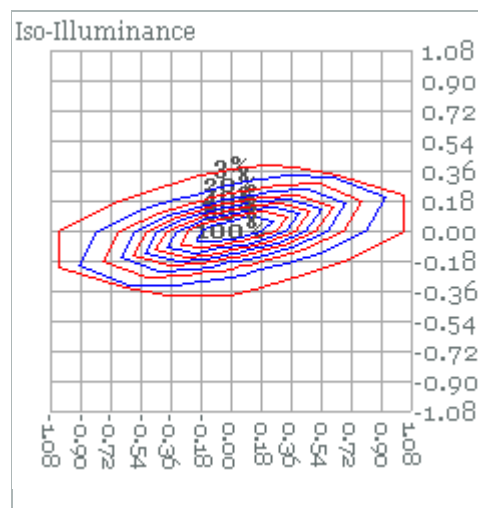
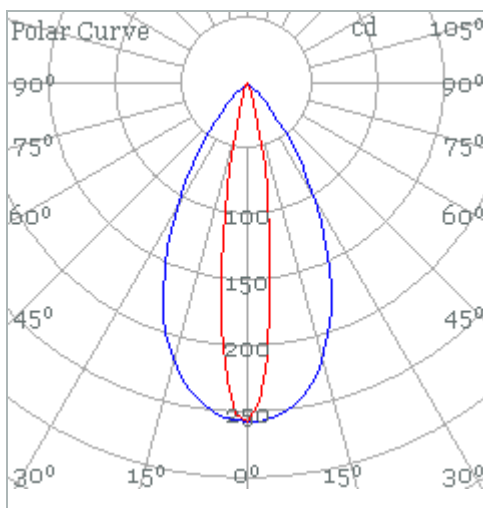
Very Wide (Only Blue LEDs on. Very Wide Diffuser.) (60°)

m.	Ø 50%	60°	E (lux)	Efficacy
5	5.8		4	6.2 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	90 / distance ² (lux)
				Total Output
				90 (lumens)

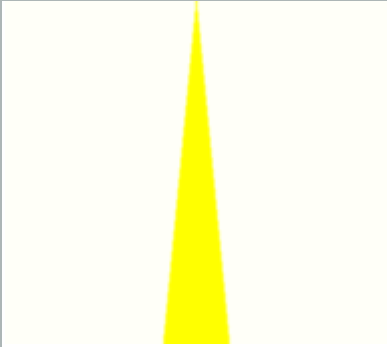


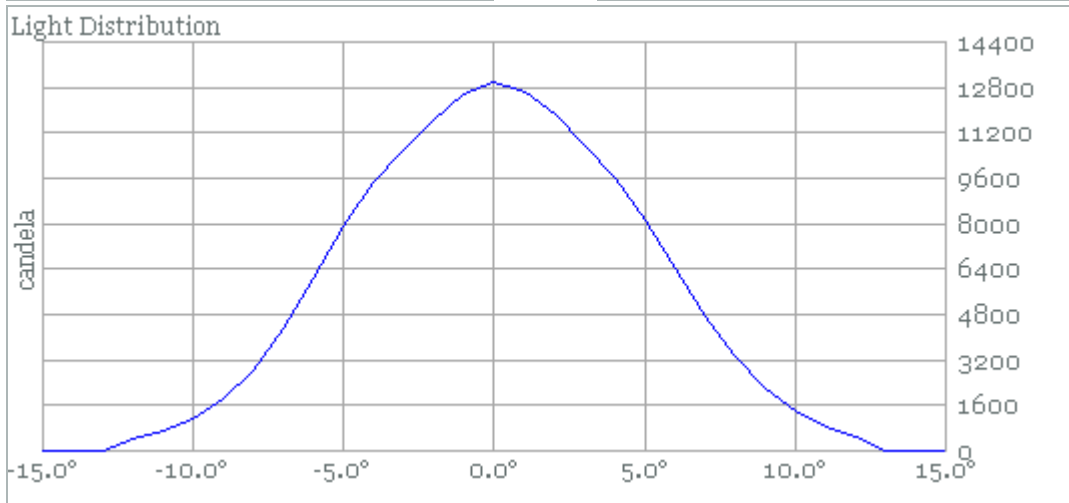
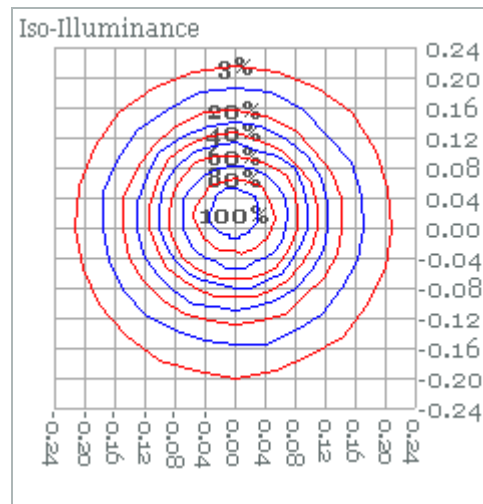
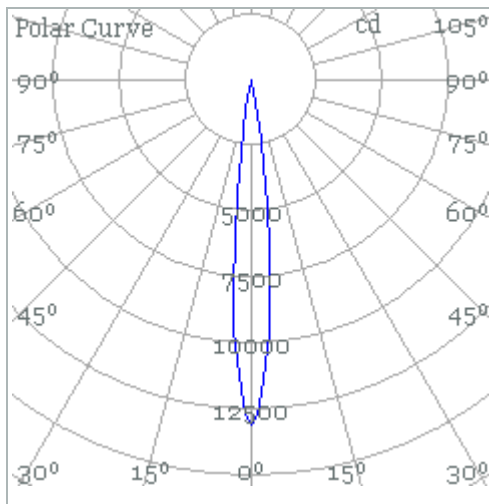
Standard with ellipsoidal beamshaper (Only Blue LEDs on. Asymmetric Diffuser.) (54° X 16°)

m.	Ø 50%		54° 16°	E (lux)	Efficacy
	C ₀	C ₉₀			6.2 lumens per watt
5	5.1	1.4		10	Half-peak diameter C ₀
10	10.2	2.8		3	1.02 X distance(m)
20	20.4	5.6		1	Half-peak diameter C ₉₀
30	30.6	8.4		0	0.28 X distance(m)
50	51.0	14.1		0	Illuminance
					260 / distance ² (lux)
					Total Output
					90 (lumens)




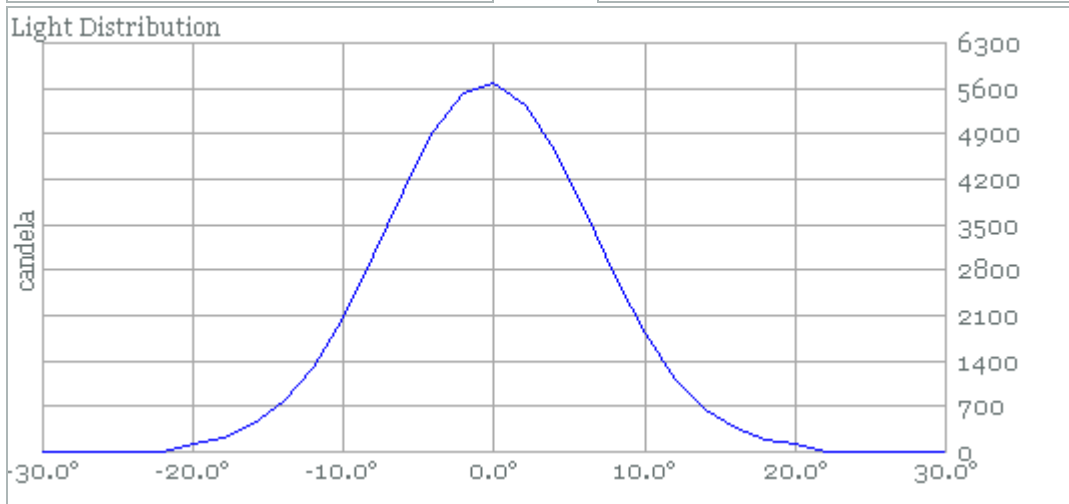
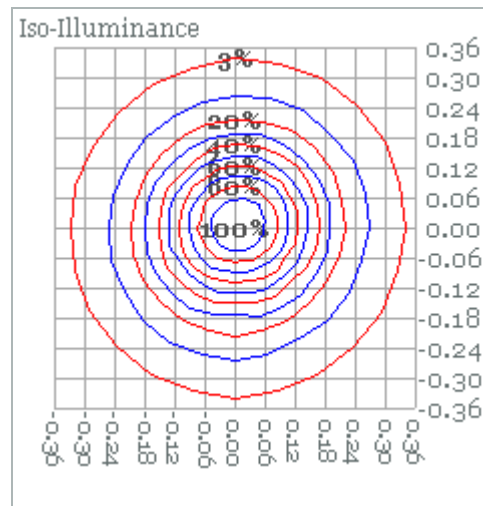
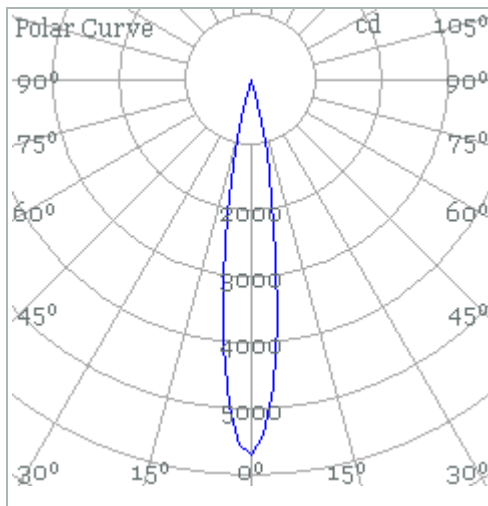
Standard (Only White LEDs on. No Diffuser.) (11°)

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

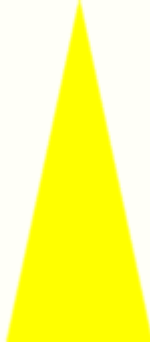


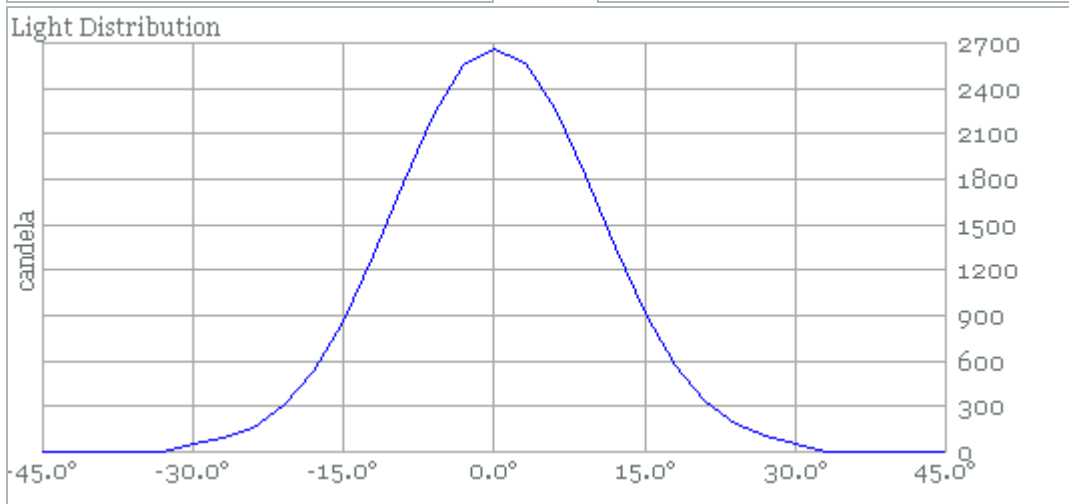
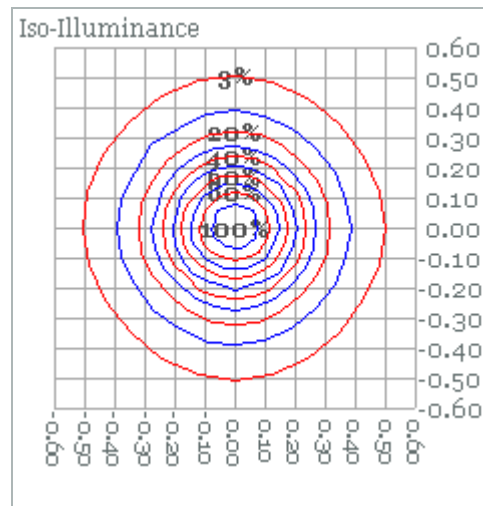
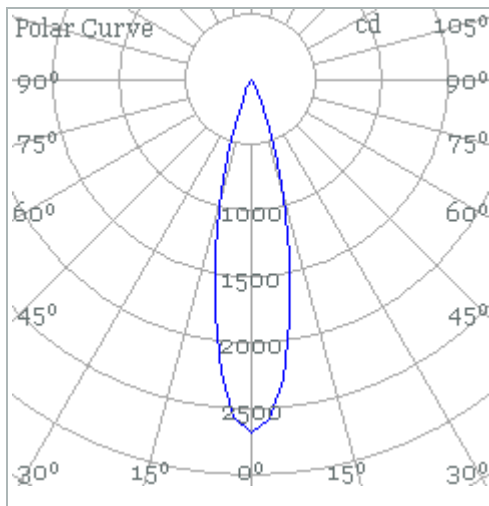
Narrow (Only White LEDs on. Narrow Diffuser.) (16°)

m.	Ø 50%	16°	E (lux)	Efficacy
				33.6 lumens per watt
5	1.4		228	Half-peak diameter
10	2.8		57	0.28 X distance(m)
20	5.6		14	Illuminance
30	8.4		6	5700 / distance ² (lux)
50	14.1		2	Total Output
				500 (lumens)

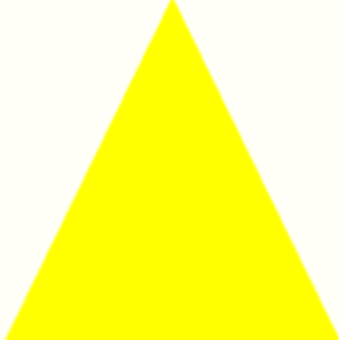


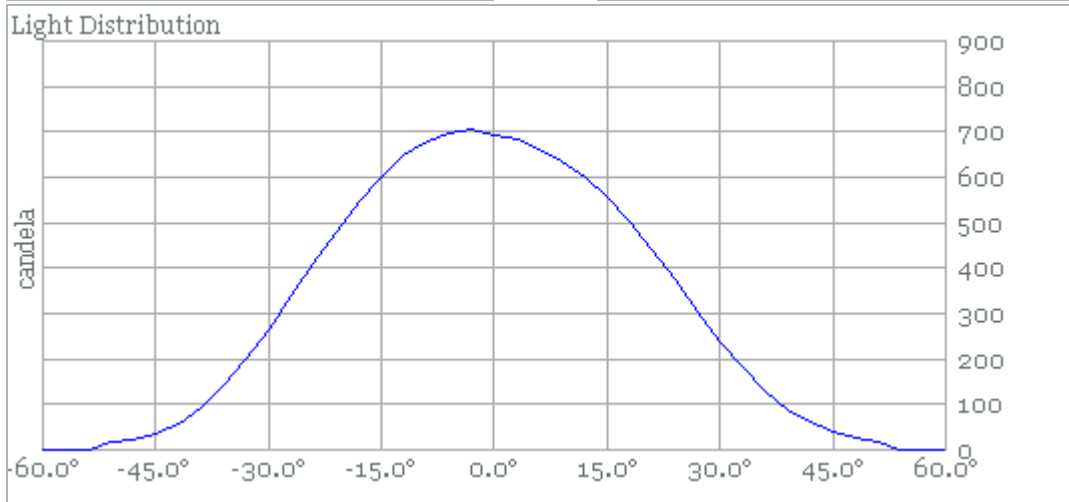
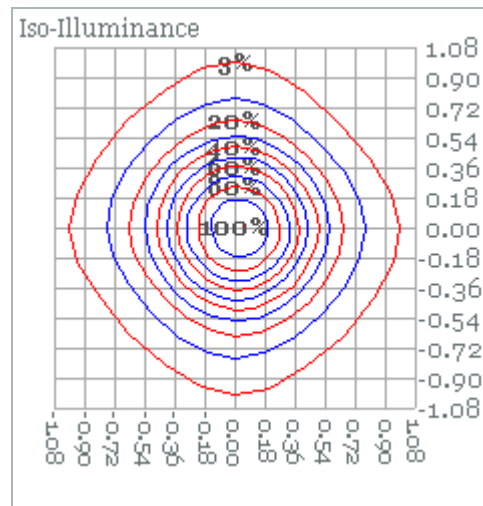
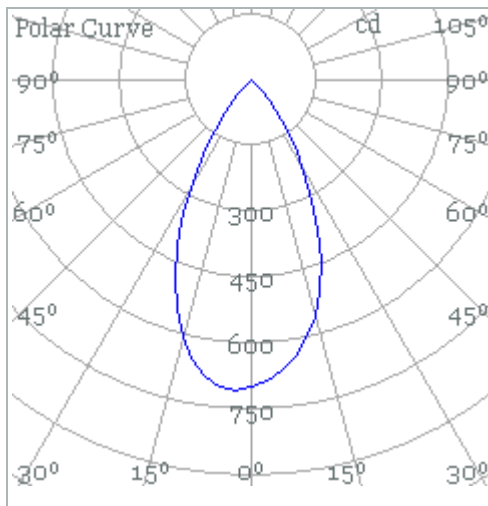
Medium (Only White LEDs on. Medium Diffuser.) (24°)

m.	Ø 50%	24°	E (lux)	Efficacy
				34.5 lumens per watt
5	2.1		108	Half-peak diameter
10	4.3		27	0.43 X distance(m)
20	8.5		7	Illuminance
30	12.8		3	2700 / distance ² (lux)
50	21.3		1	Total Output
				520 (lumens)

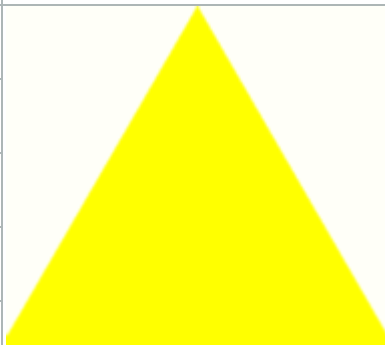


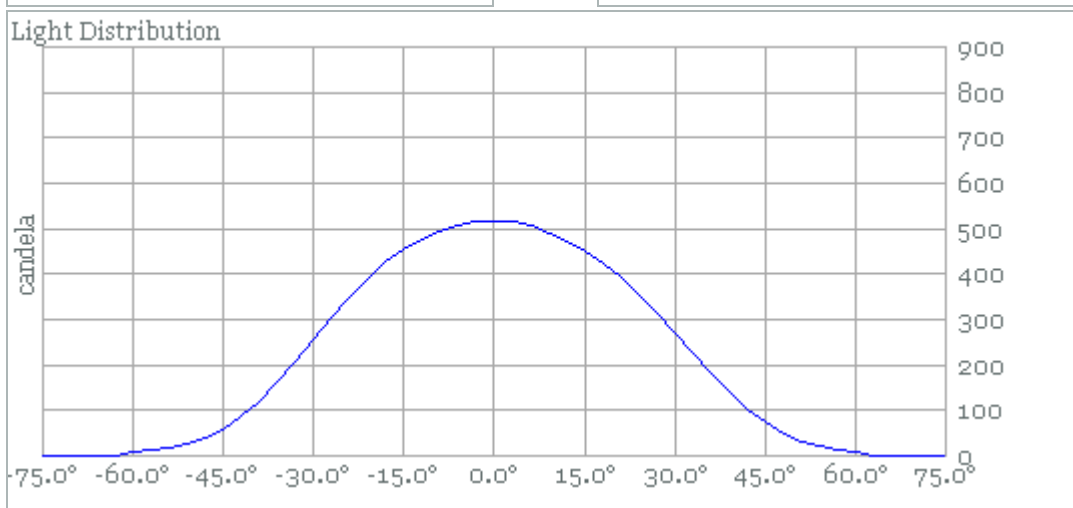
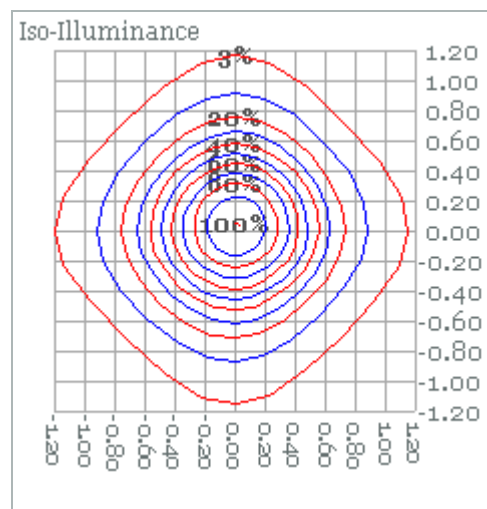
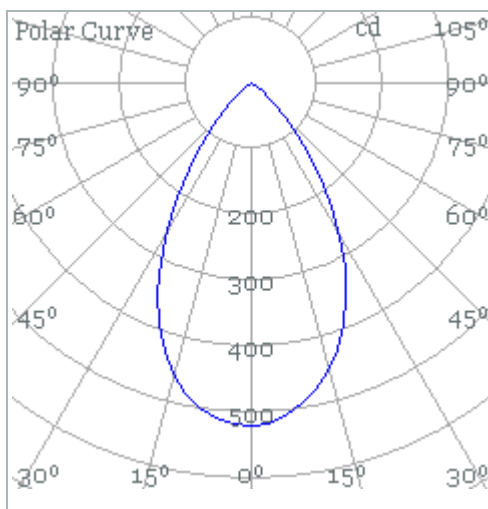
Wide (Only White LEDs on. Wide Diffuser.) (52°)

m.	Ø 50%	52°	E (lux)	Efficacy
5	4.9		28	35.3 lumens per watt
10	9.8		7	Half-peak diameter
20	19.5		2	0.98 X distance(m)
30	29.3		1	Illuminance
50	48.8		0	710 / distance ² (lux)
				Total Output
				530 (lumens)

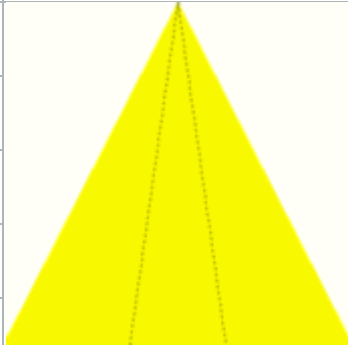


Very Wide (Only White LEDs on. Very Wide Diffuser.) (60°)

m.	Ø 50%	60°	E (lux)	Efficacy
5	5.8		21	34.4 lumens per watt
10	11.5		5	Half-peak diameter
20	23.1		1	1.15 X distance(m)
30	34.6		1	Illuminance
50	57.7		0	520 / distance ² (lux)
				Total Output
				520 (lumens)



Standard with ellipsoidal beamshaper (Only White LEDs on. Asymmetric Diffuser.) (54° X 16°)

m.	Ø 50%		54° 16°	E (lux)	Efficacy
	C ₀	C ₉₀			34.3 lumens per watt
5	5.1	1.4		60	Half-peak diameter C ₀
10	10.2	2.8		15	1.02 X distance(m)
20	20.4	5.6		4	Half-peak diameter C ₉₀
30	30.6	8.4		2	0.28 X distance(m)
50	51.0	14.1		1	Illuminance
					1500 / distance ² (lux)
					Total Output
					510 (lumens)

