
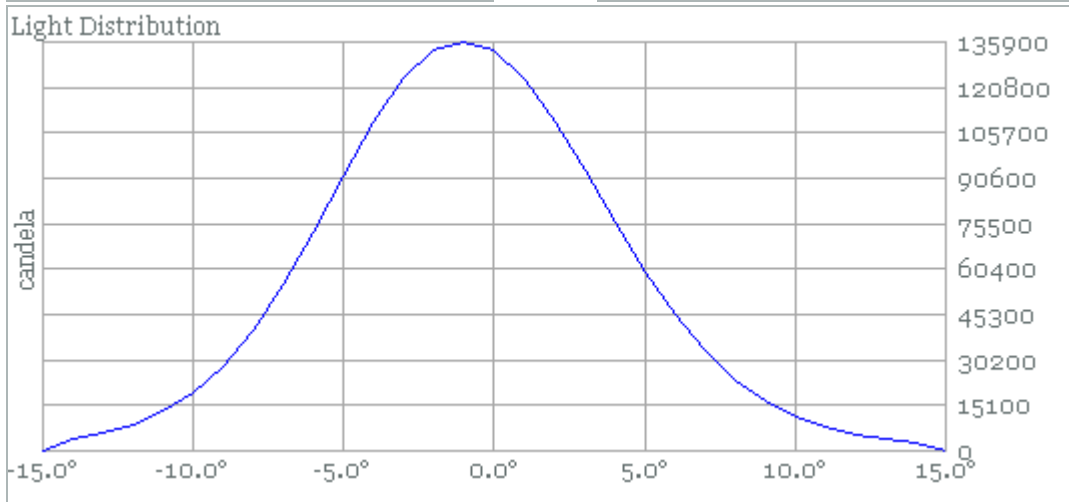
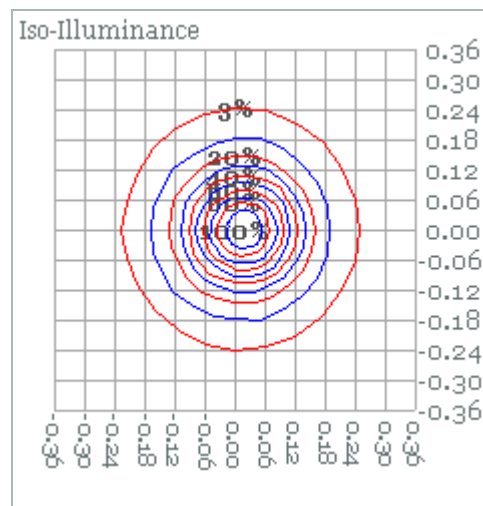
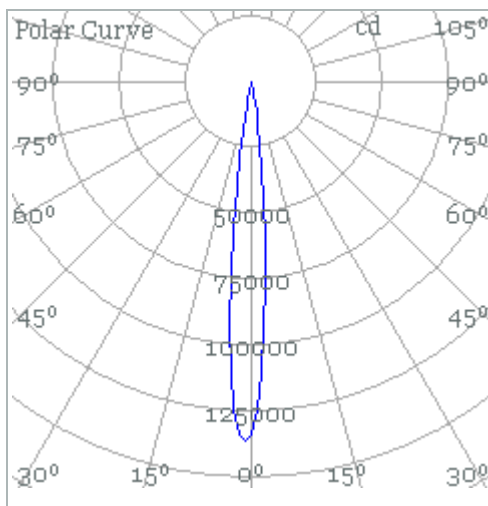


Exterior Inground 400 Series Photometrics


400

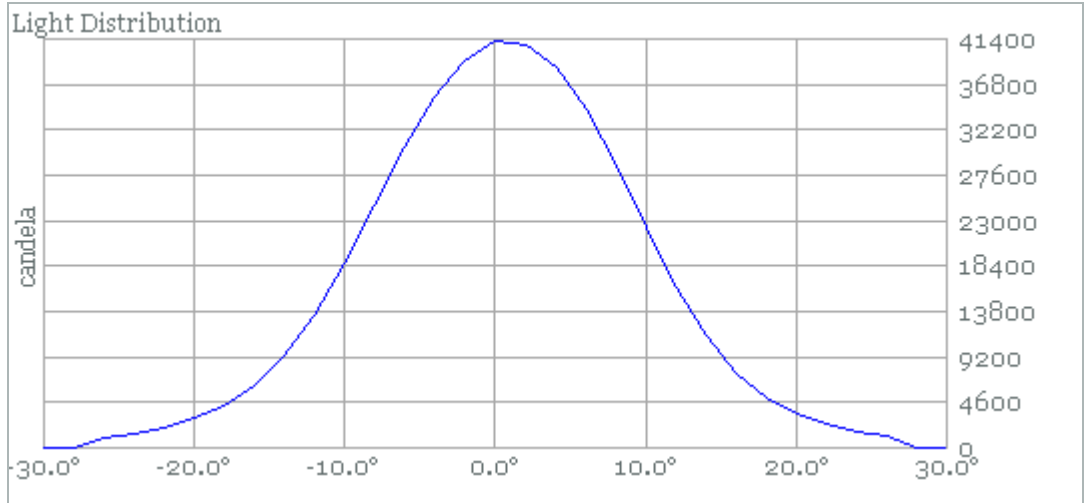
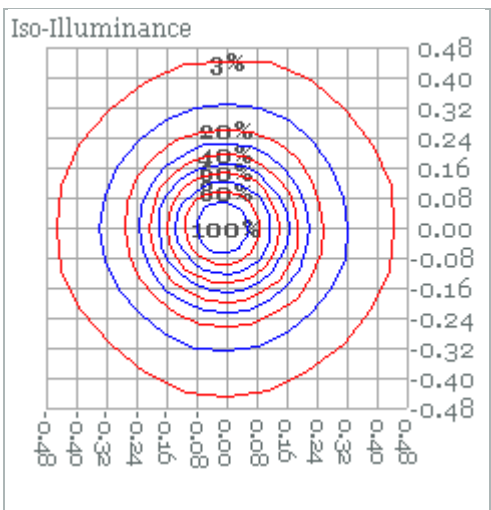
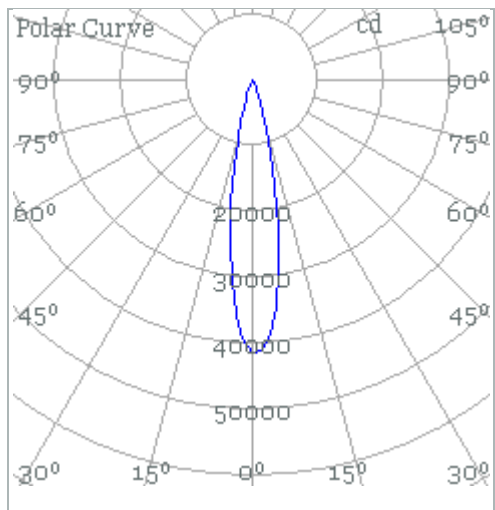
Narrow (Narrow diffuser) (10.5°)

m.	Ø 50%	10.5°	E (lux)	Efficacy
5	0.9		5440	39.3 lumens per watt
10	1.8		1360	Half-peak diameter
20	3.7		340	0.18 X distance(m)
30	5.5		151	Illuminance
50	9.2		54	136000 / distance ² (lux)
				Total Output
				5700 (lumens)




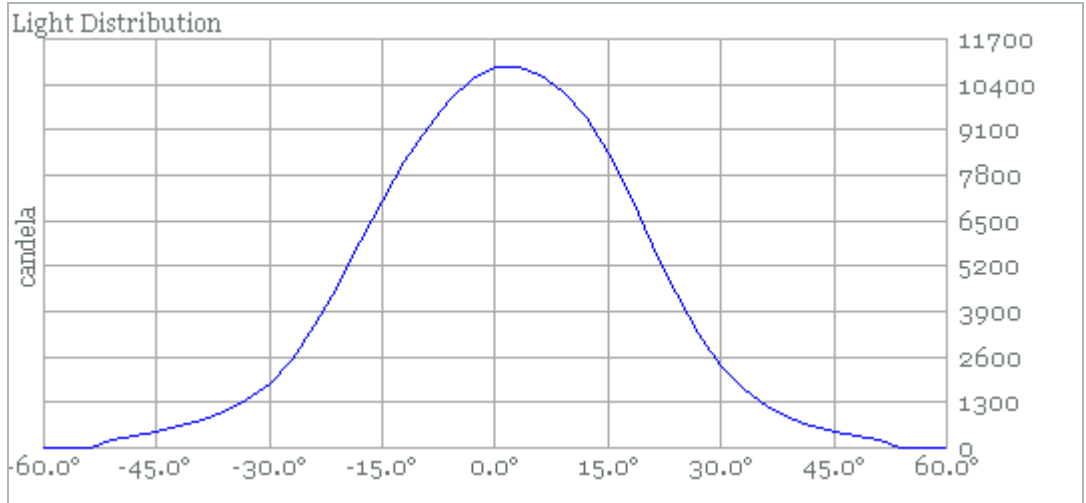
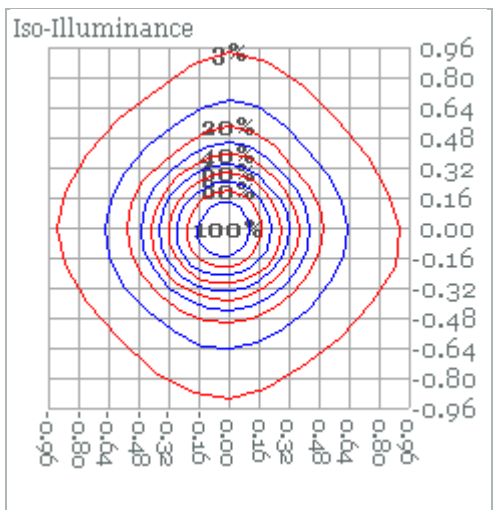
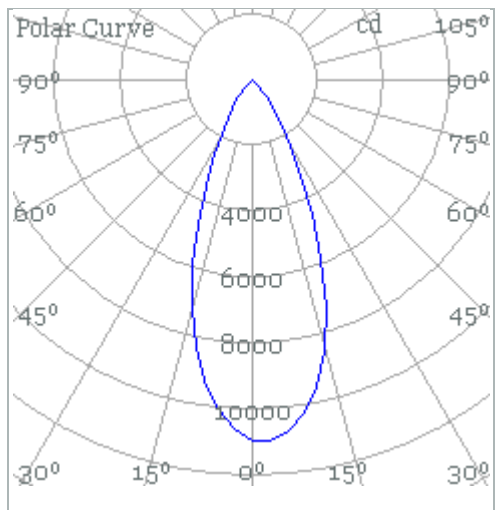
400
Medium (Medium diffuser) (20°)

m.	Ø 50%	20°	E (lux)	Efficacy
5	1.8		1640	39.9 lumens per watt
10	3.5		410	Half-peak diameter
20	7.1		103	0.35 X distance(m)
30	10.6		46	Illuminance
50	17.6		16	41000 / distance ² (lux)
				Total Output
				5800 (lumens)



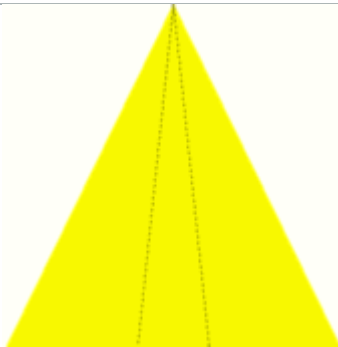
400
Wide (Wide diffuser) (41°)

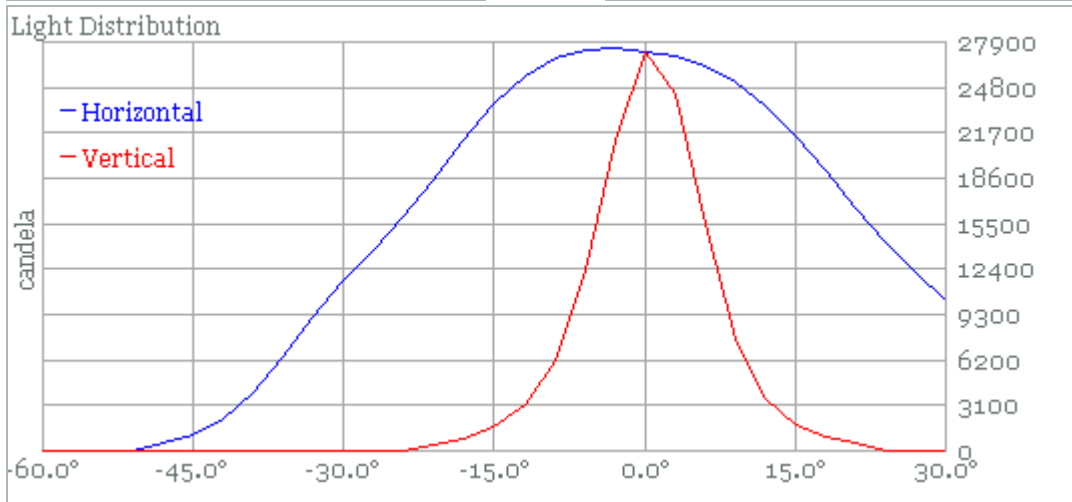
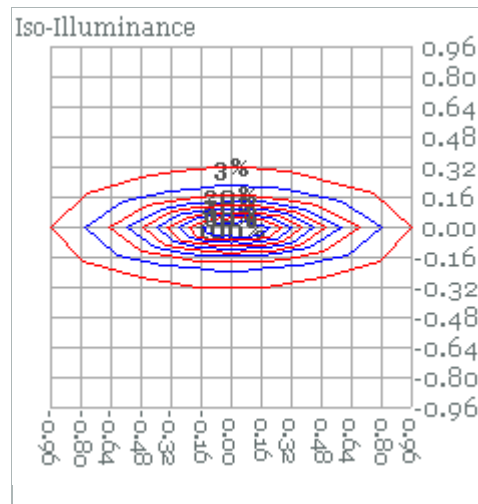
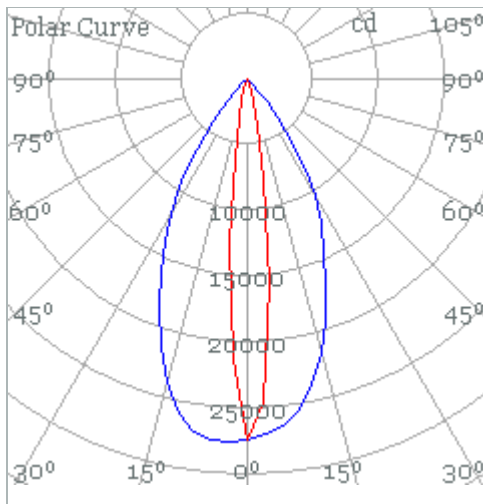
m.	Ø 50%	41°	E (lux)	Efficacy
5	3.7		440	40.5 lumens per watt
10	7.5		110	Half-peak diameter
20	15.0		28	0.75 X distance(m)
30	22.4		12	Illuminance
50	37.4		4	11000 / distance² (lux)
				Total Output
				5900 (lumens)




400

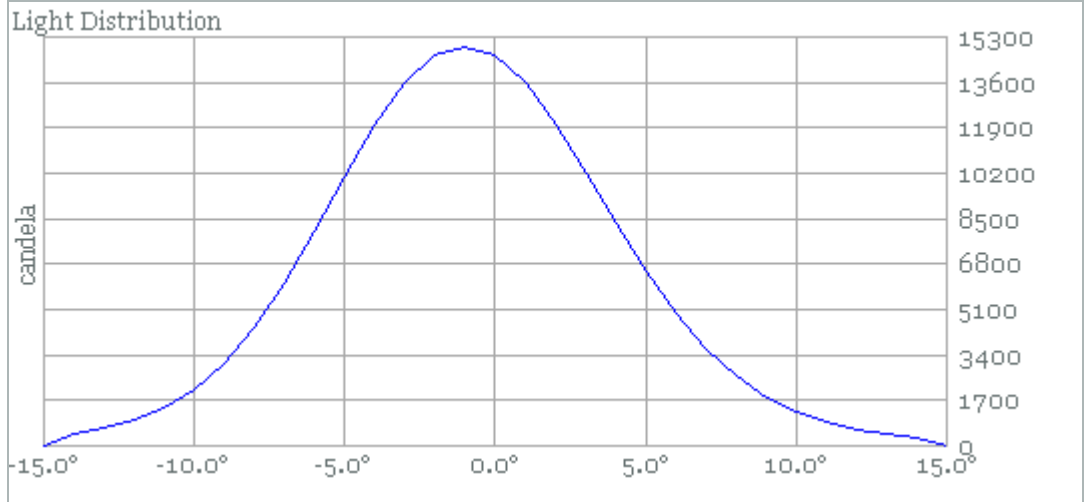
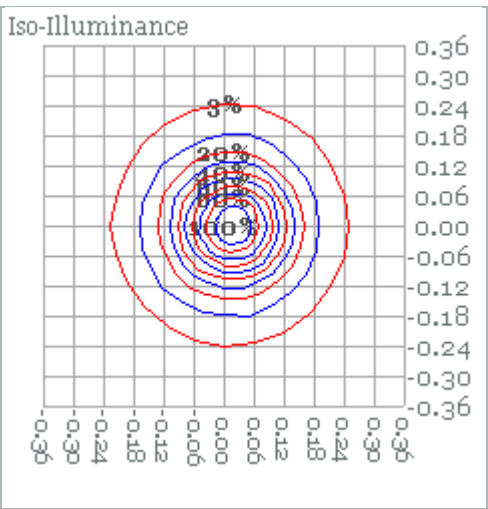
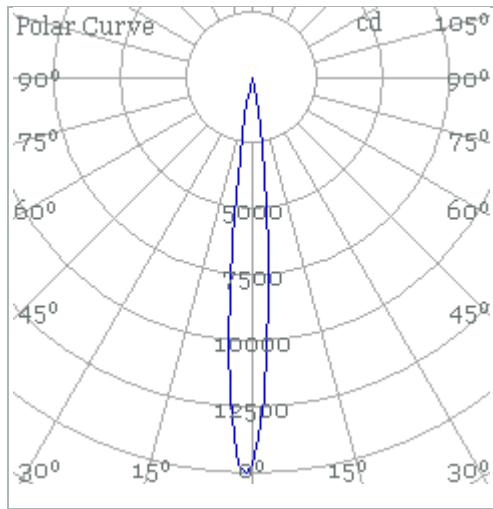
Standard with ellipsoidal beamshaper (Assymetric diffuser) (52° X 12°)

m.	Ø 50%		52° 12°	E (lux)	Efficacy
	C ₀	C ₉₀			41.9 lumens per watt
5	4.9	1.1		1120	Half-peak diameter C ₀
10	9.8	2.1		280	0.98 X distance(m)
20	19.5	4.2		70	Half-peak diameter C ₉₀
30	29.3	6.3		31	0.21 X distance(m)
50	48.8	10.5		11	Illuminance
					28000 / distance ² (lux)
					Total Output
					6100 (lumens)




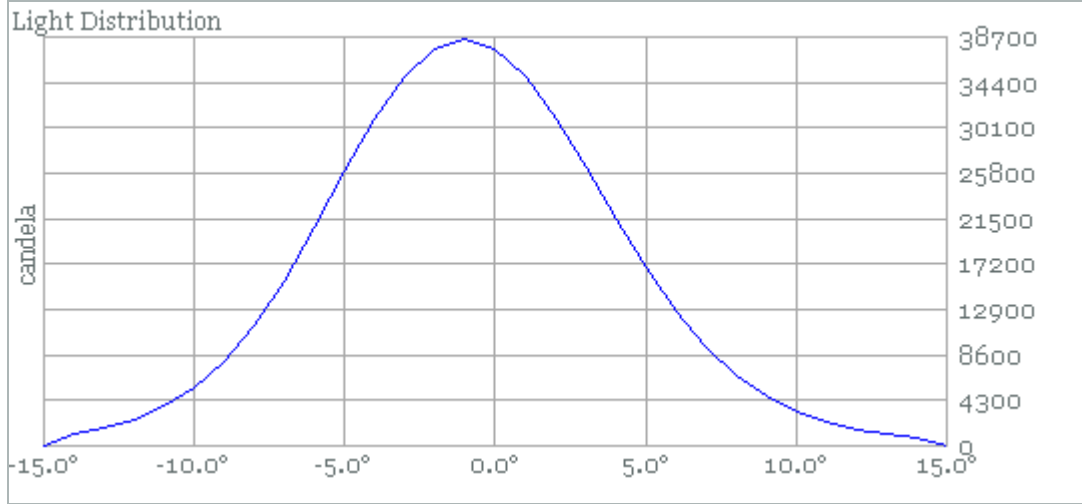
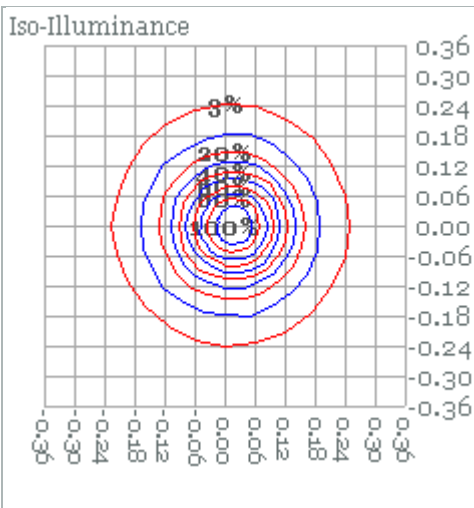
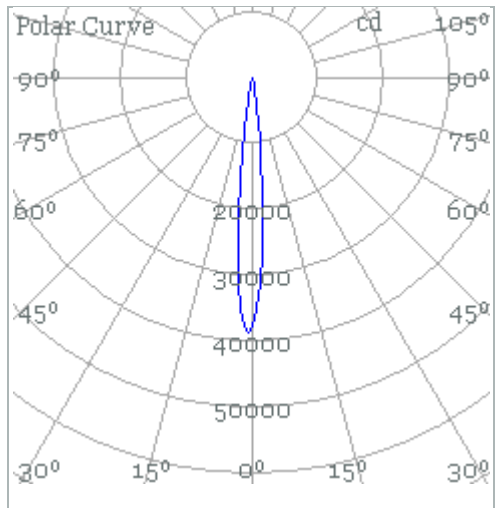
400
Standard (Narrow diffuser. Only Red LED's on) (10.5°)

m.	Ø 50%	10.5°	E (lux)	Efficacy
5	0.9		600	15.9 lumens per watt
10	1.8		150	Half-peak diameter
20	3.7		38	0.18 X distance(m)
30	5.5		17	Illuminance
50	9.2		6	15000 / distance ² (lux)
				Total Output
				630 (lumens)

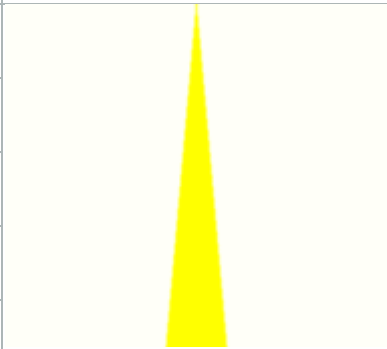


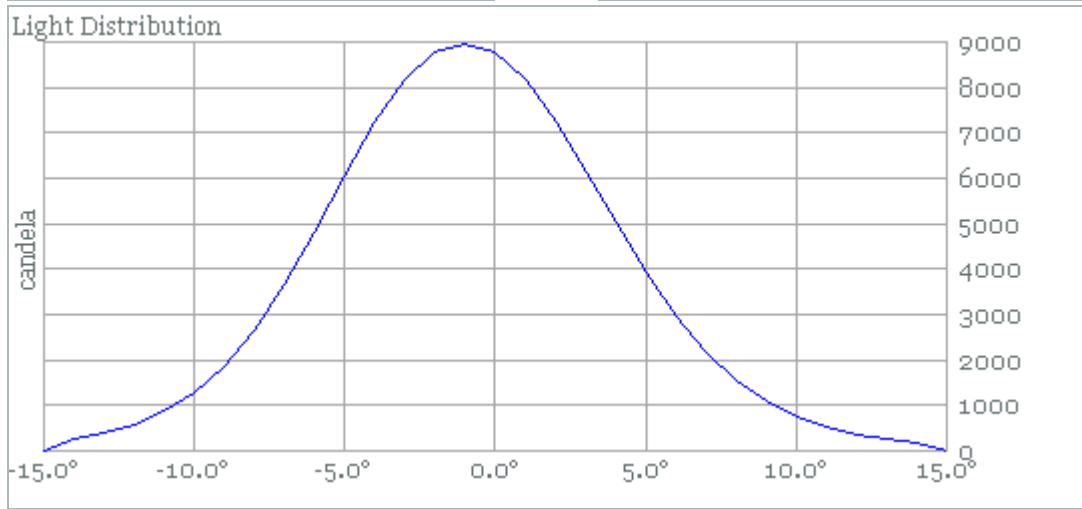
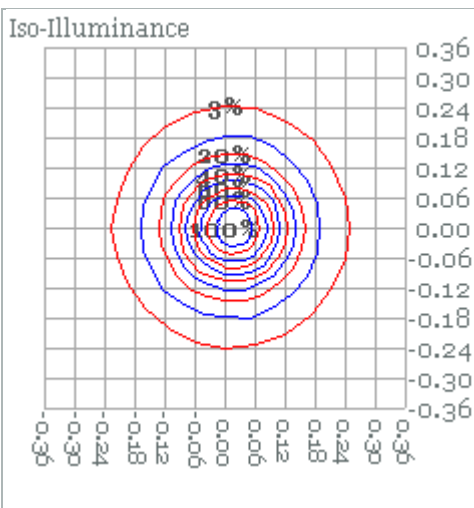
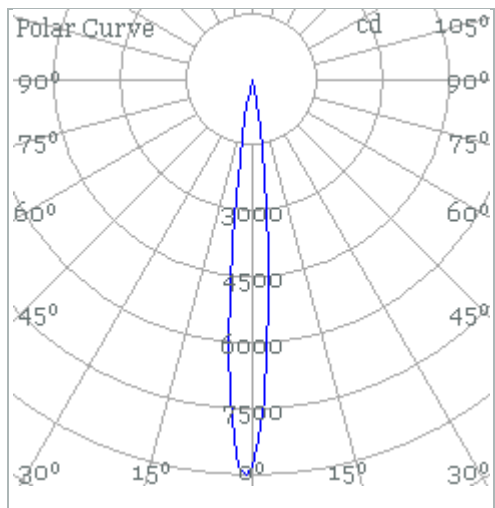
400
Standard (Narrow diffuser. Only Green LEDs on) (10.5°)

m.	Ø 50%	10.5°	E (lux)	Efficacy
5	0.9		1520	26.2 lumens per watt
10	1.8		380	Half-peak diameter
20	3.7		95	0.18 X distance(m)
30	5.5		42	Illuminance
50	9.2		15	38000 / distance ² (lux)
				Total Output
				1600 (lumens)




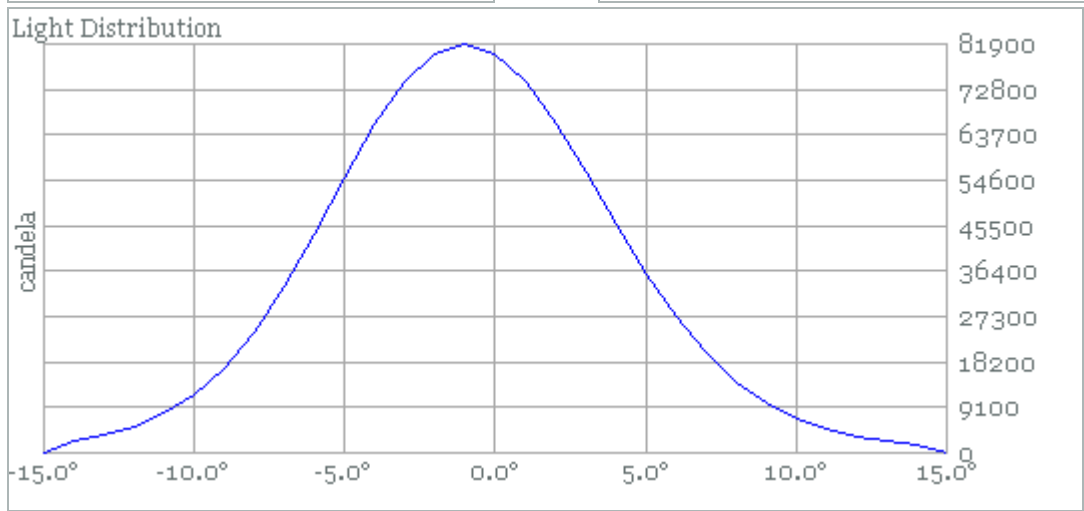
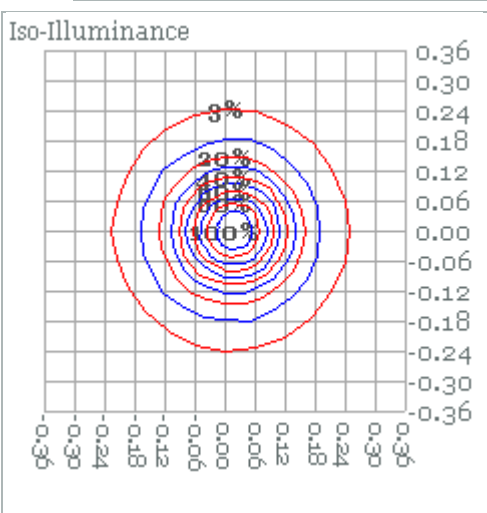
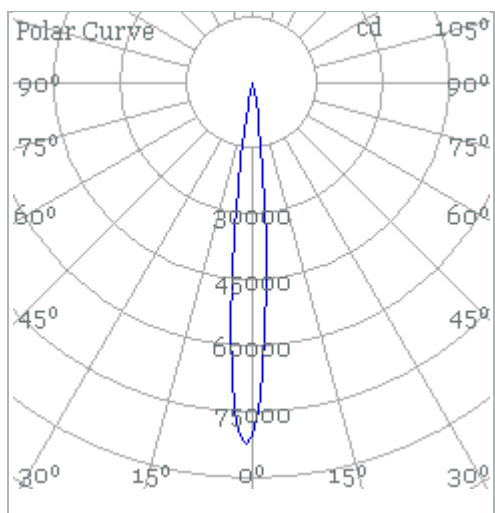
400
Standard (Narrow diffuser. Only Blue LEDs on) (10.5°)

m.	Ø 50%	10.5°	E (lux)	Efficacy
5	0.9		360	6.2 lumens per watt
10	1.8		90	Half-peak diameter
20	3.7		23	0.18 X distance(m)
30	5.5		10	Illuminance
50	9.2		4	9000 / distance ² (lux)
				Total Output
				380 (lumens)




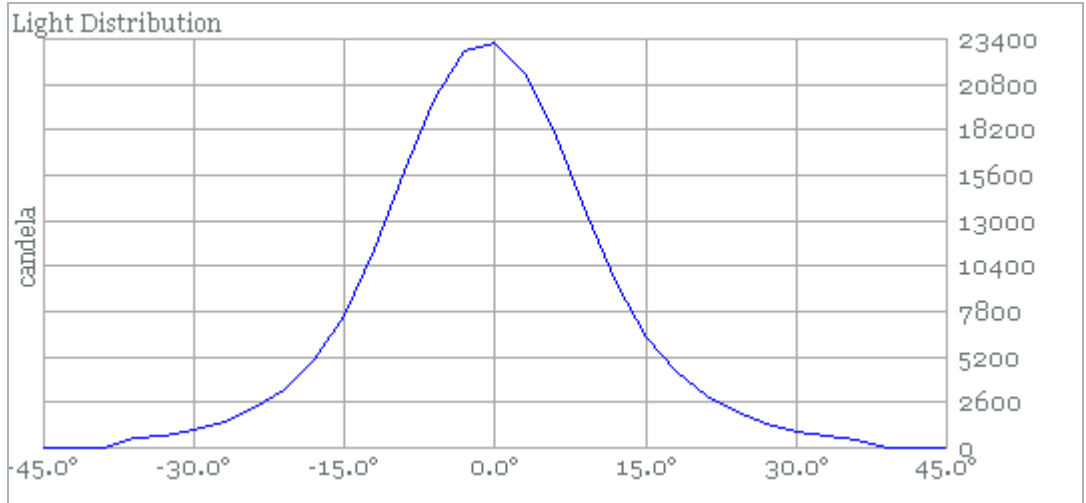
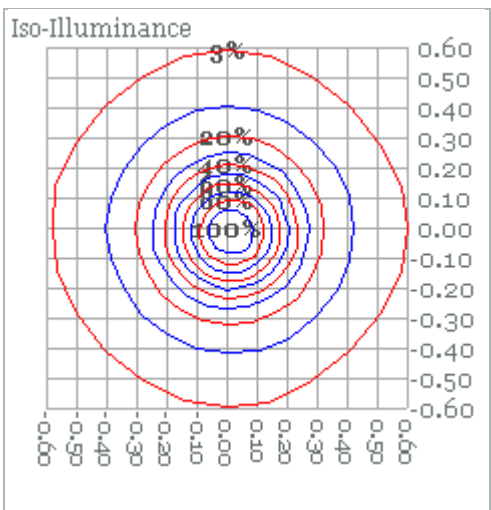
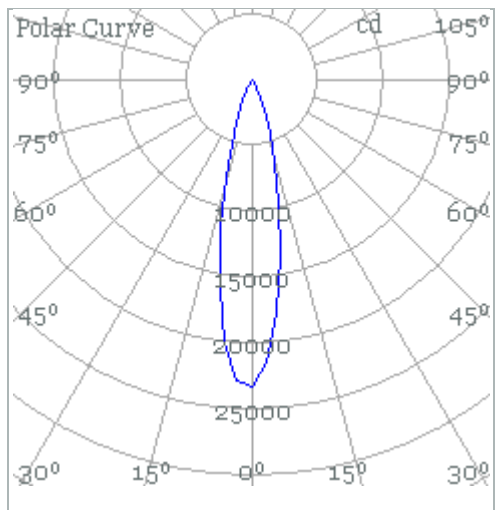
400
Standard (Narrow diffuser. Only White LEDs on) (10.5°)

m.	Ø 50%	10.5°	E (lux)	Efficacy
5	0.9		3280	46 lumens per watt
10	1.8		820	Half-peak diameter
20	3.7		205	0.18 X distance(m)
30	5.5		91	Illuminance
50	9.2		33	82000 / distance² (lux)
				Total Output
				3400 (lumens)

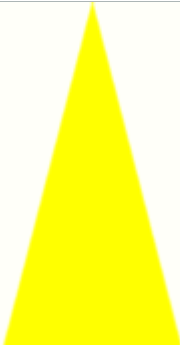


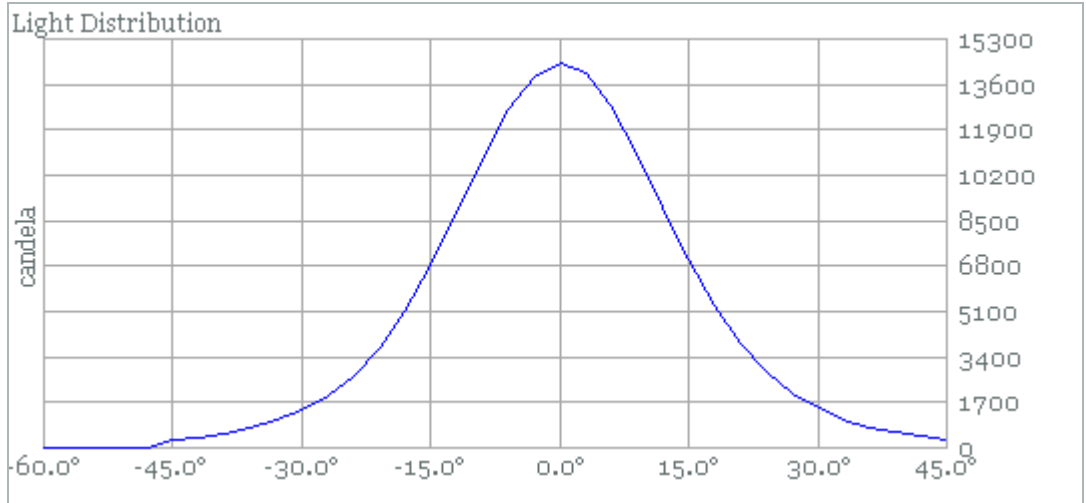
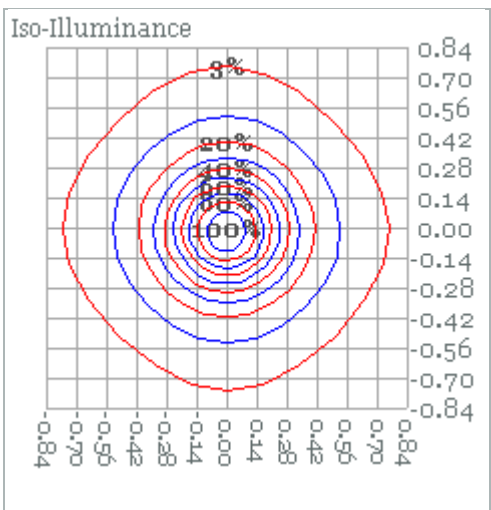
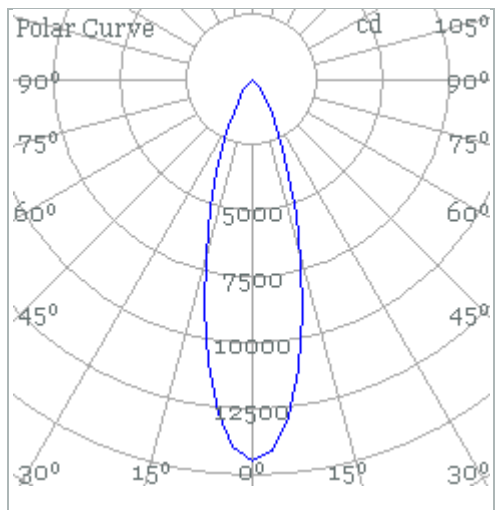
410
Narrow (Narrow diffuser) (22°)

m.	Ø 50%	22°	E (lux)	Efficacy
5	1.9		920	34.6 lumens per watt
10	3.9		230	Half-peak diameter
20	7.8		58	0.39 X distance(m)
30	11.7		26	Illuminance
50	19.4		9	23000 / distance ² (lux)
				Total Output
				4800 (lumens)




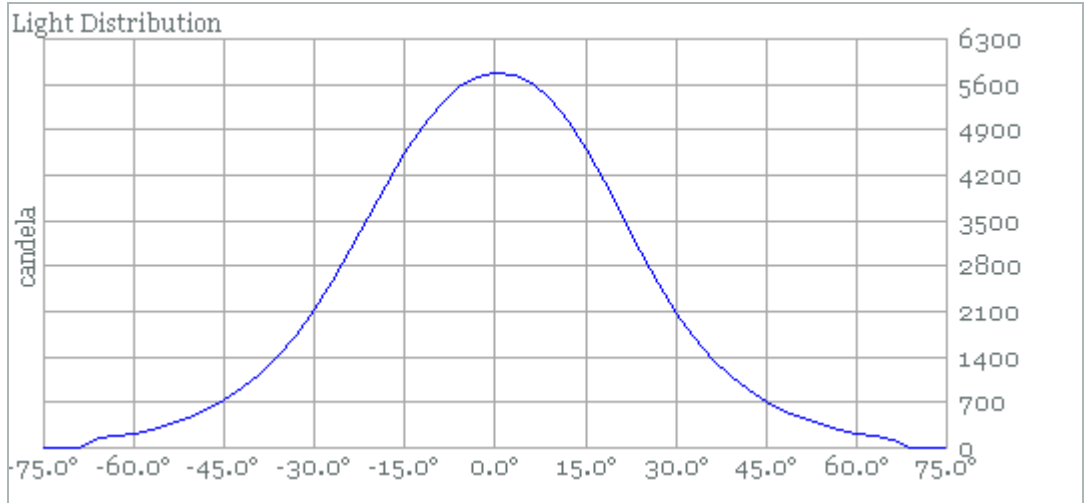
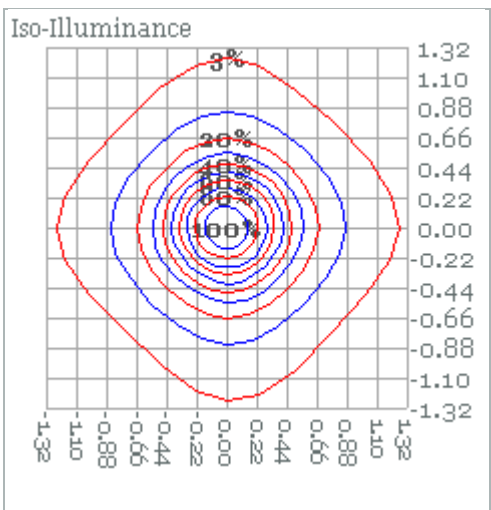
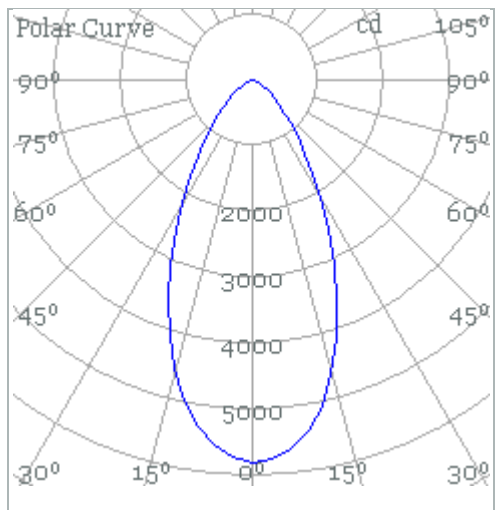
410
Medium (Medium diffuser) (29°)

m.	Ø 50%	29°	E (lux)	Efficacy
5	2.6		560	35.2 lumens per watt
10	5.2		140	Half-peak diameter
20	10.3		35	0.52 X distance(m)
30	15.5		16	Illuminance
50	25.9		6	14000 / distance² (lux)
				Total Output
				4900 (lumens)



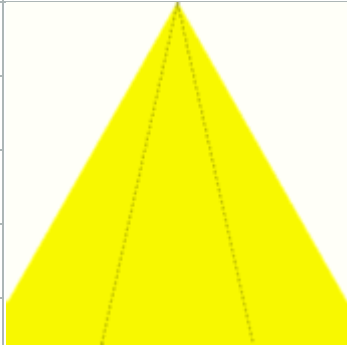
410
Wide (Wide diffuser) (50°)

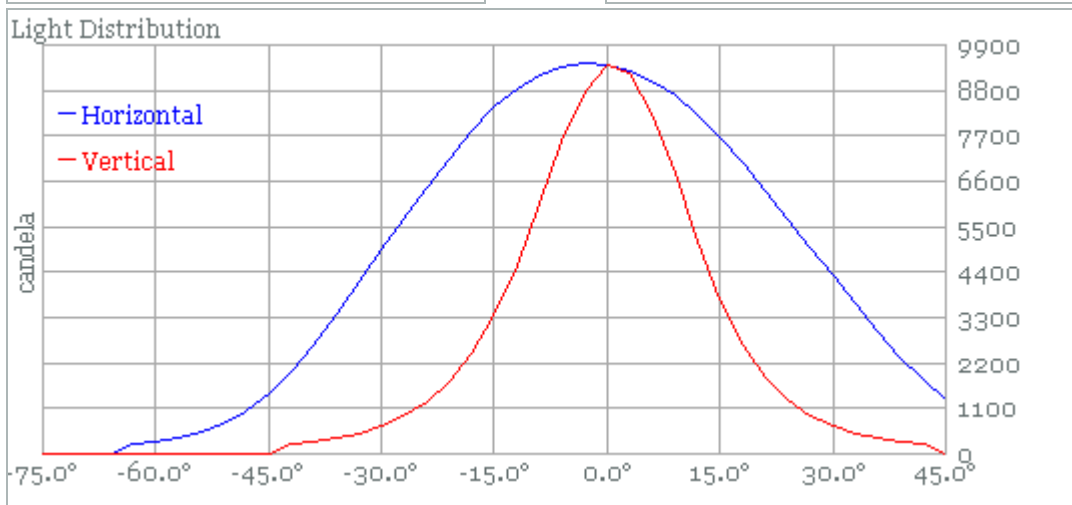
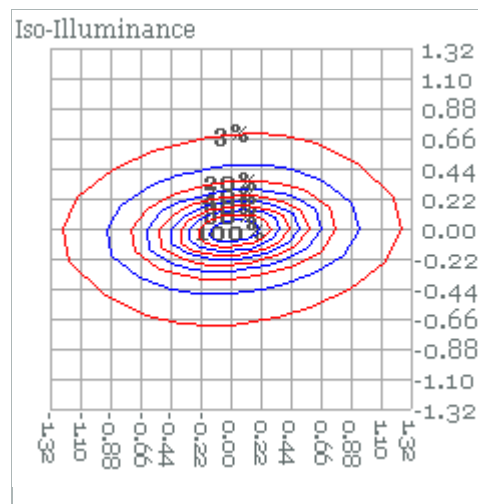
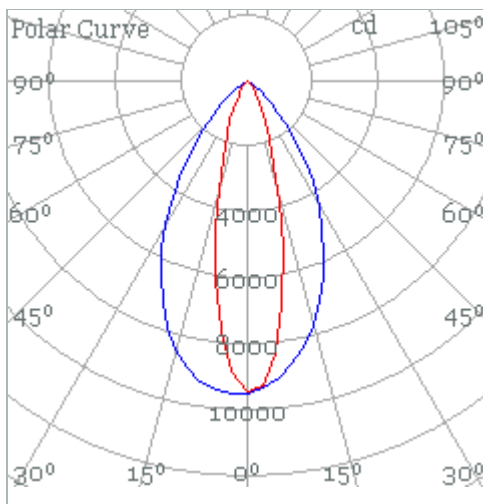
m.	Ø 50%	50°	E (lux)	Efficacy
5	4.7		232	36.9 lumens per watt
10	9.3		58	Half-peak diameter
20	18.7		15	0.93 X distance(m)
30	28.0		6	Illuminance
50	46.6		2	5800 / distance ² (lux)
				Total Output
				5100 (lumens)




410

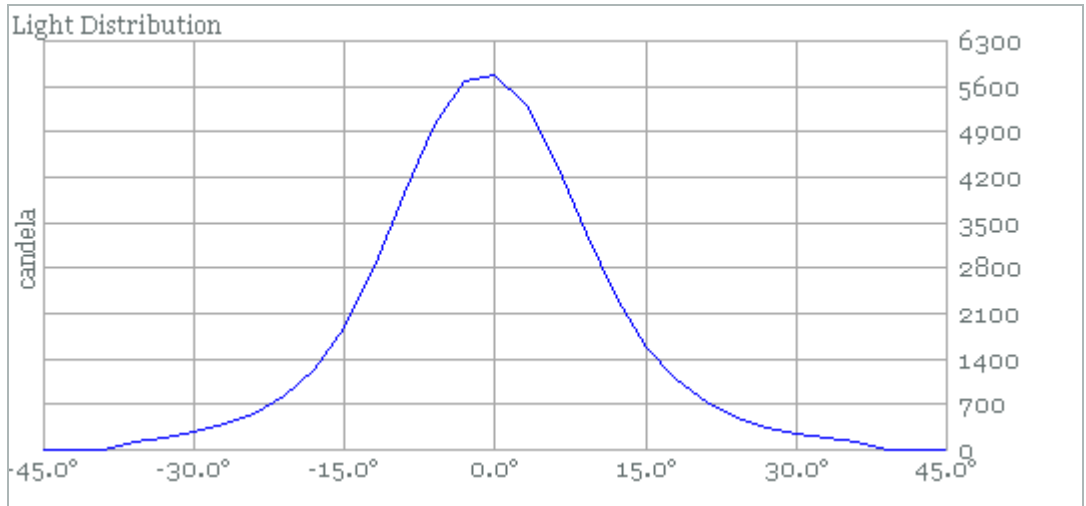
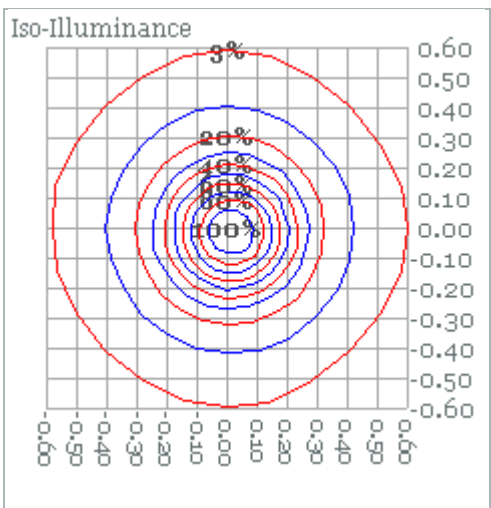
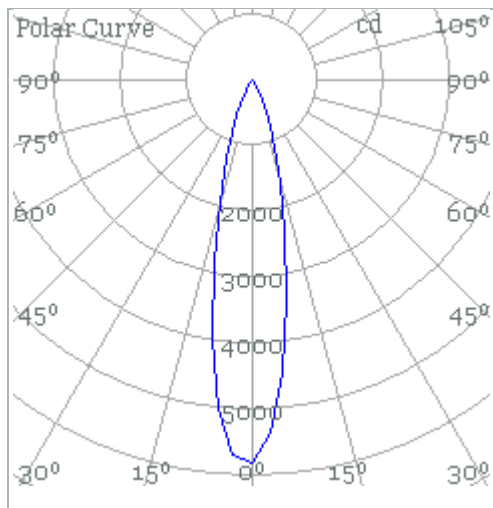
Standard with ellipsoidal beamshaper (Assymetric diffuser) (59° X 25°)

m.	Ø 50%		59° 25°	E (lux)	Efficacy
	C ₀	C ₉₀			37.5 lumens per watt
5	5.7	2.2		380	Half-peak diameter C ₀
10	11.3	4.4		95	1.13 X distance(m)
20	22.6	8.9		24	Half-peak diameter C ₉₀
30	33.9	13.3		11	0.44 X distance(m)
50	56.6	22.2		4	Illuminance
					9500 / distance ² (lux)
					Total Output
					5200 (lumens)




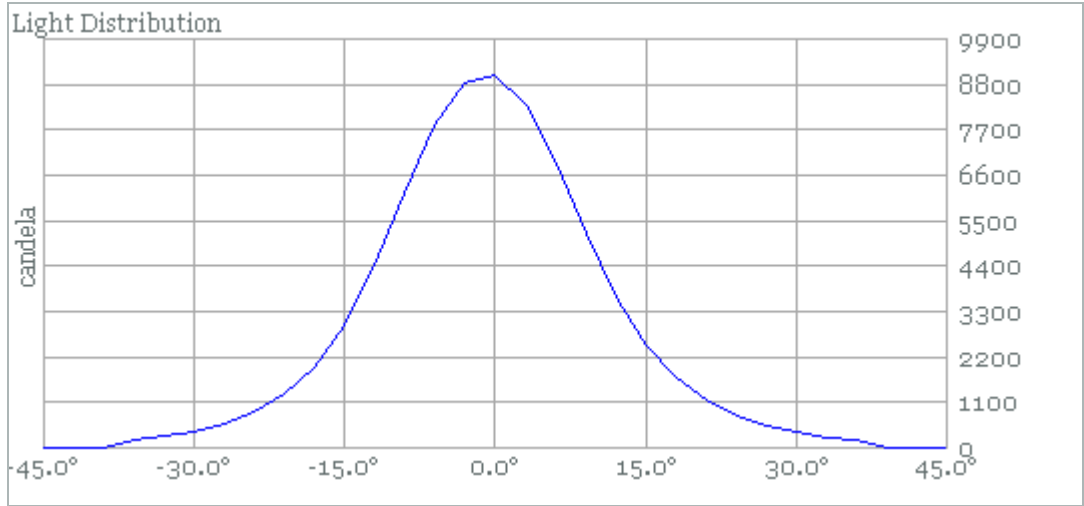
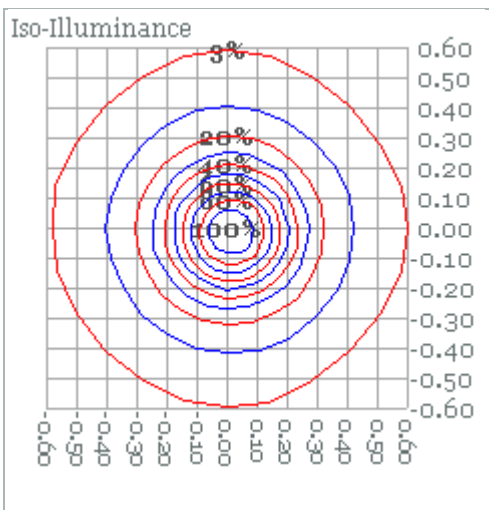
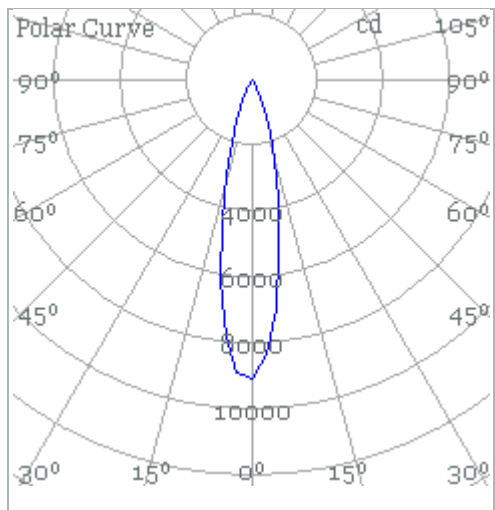
410
Standard (Narrow diffuser. Only Red LED's on) (22°)

m.	Ø 50%	22°	E (lux)	Efficacy
5	1.9		232	19.3 lumens per watt
10	3.9		58	Half-peak diameter
20	7.8		15	0.39 X distance(m)
30	11.7		6	Illuminance
50	19.4		2	5800 / distance ² (lux)
				Total Output
				1200 (lumens)

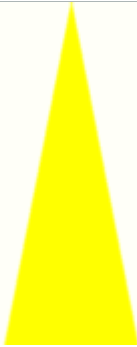


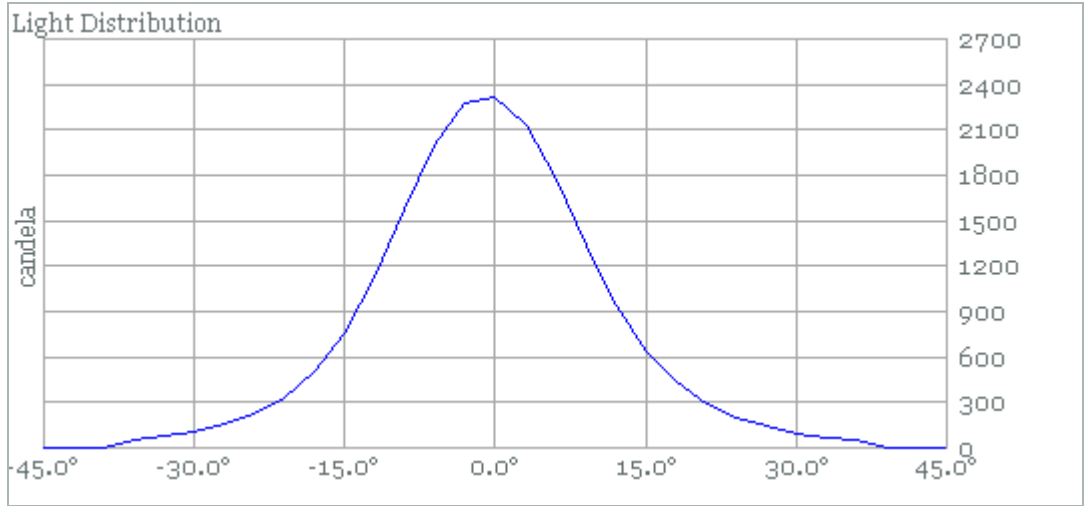
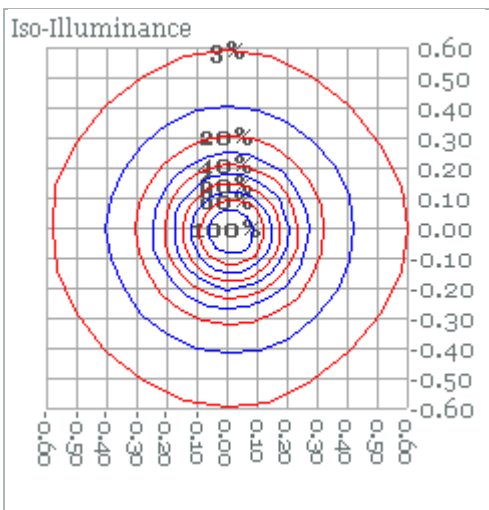
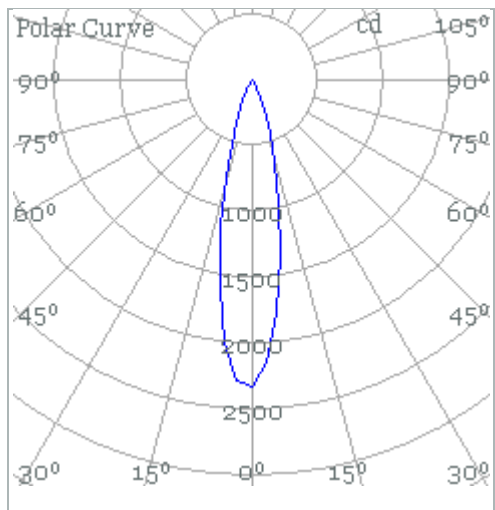
410
Standard (Narrow diffuser. Only Green LEDs on) (22°)

m.	Ø 50%	22°	E (lux)	Efficacy
5	1.9		360	25 lumens per watt
10	3.9		90	Half-peak diameter
20	7.8		23	0.39 X distance(m)
30	11.7		10	Illuminance
50	19.4		4	9000 / distance ² (lux)
				Total Output
				1900 (lumens)

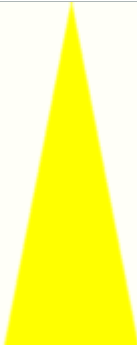


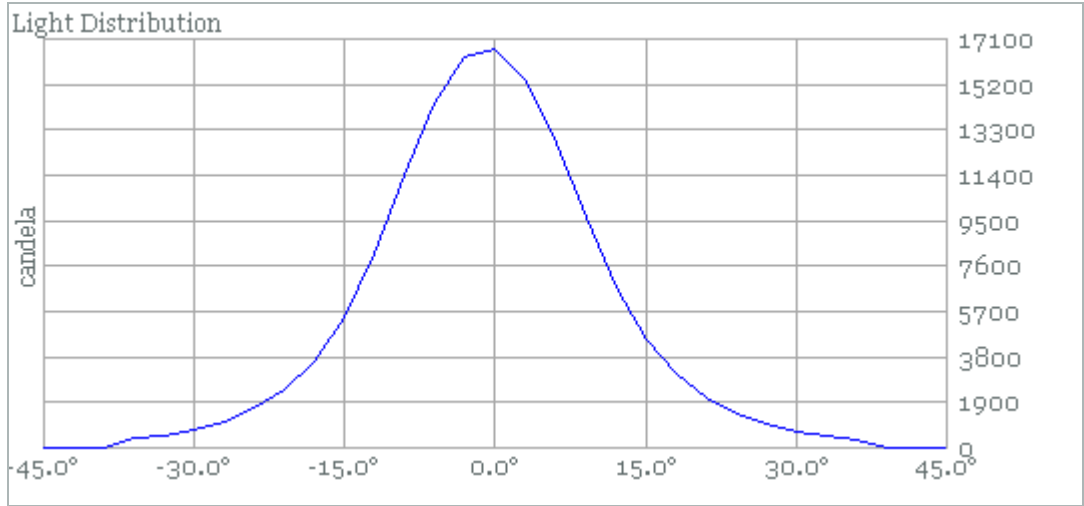
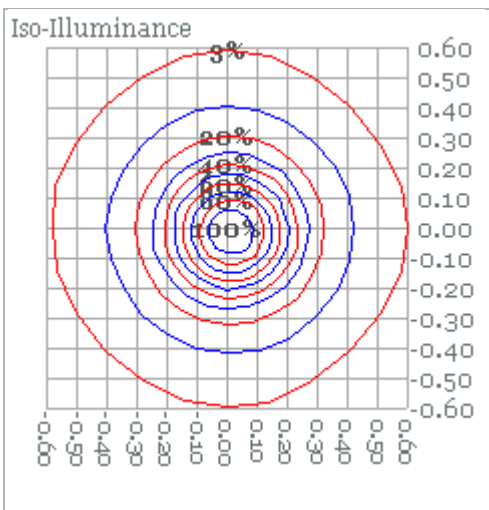
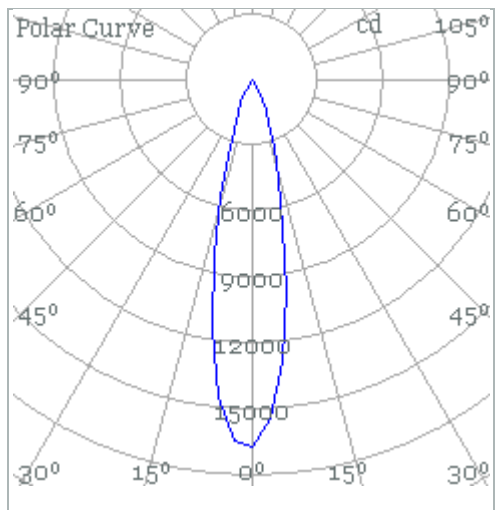
410
Standard (Narrow diffuser. Only Blue LEDs on) (22°)

m.	Ø 50%	22°	E (lux)	Efficacy
5	1.9		92	17.8 lumens per watt
10	3.9		23	Half-peak diameter
20	7.8		6	0.39 X distance(m)
30	11.7		3	Illuminance
50	19.4		1	2300 / distance ² (lux)
				Total Output
				480 (lumens)




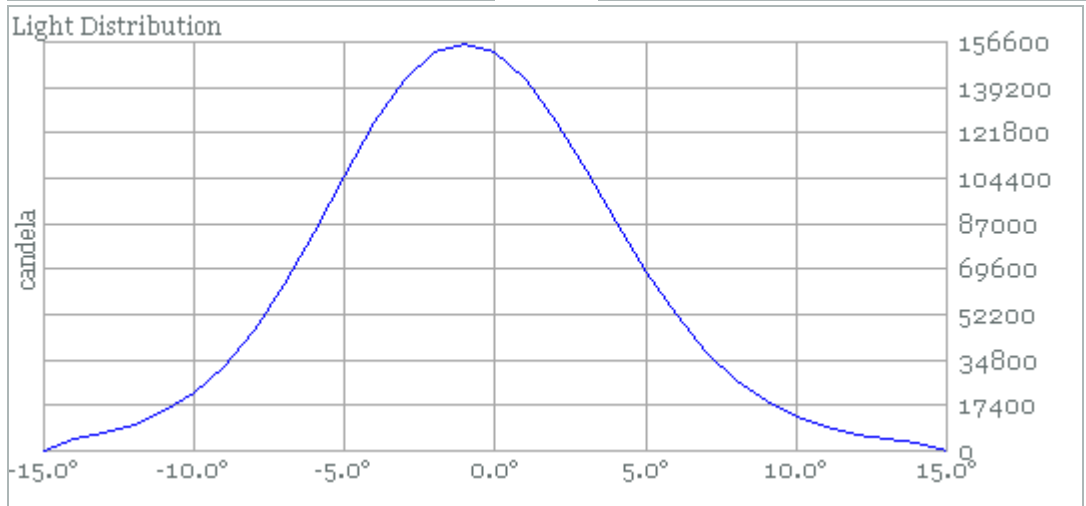
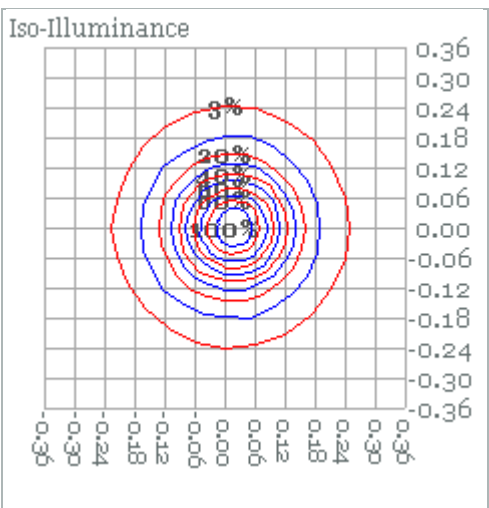
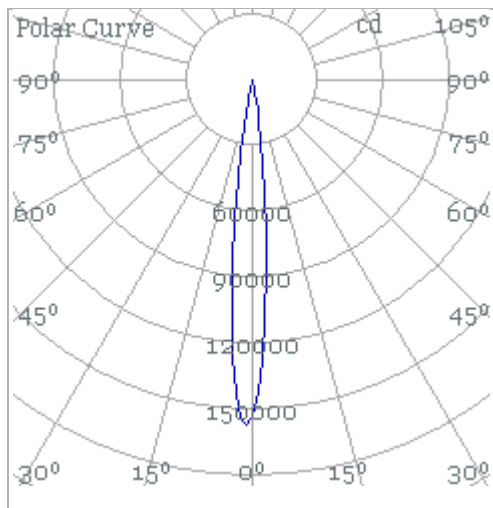
410
Standard (Narrow diffuser. Only White LEDs on) (22°)

m.	Ø 50%	22°	E (lux)	Efficacy
5	1.9		680	34.4 lumens per watt
10	3.9		170	Half-peak diameter
20	7.8		43	0.39 X distance(m)
30	11.7		19	Illuminance
50	19.4		7	17000 / distance² (lux)
				Total Output
				3500 (lumens)




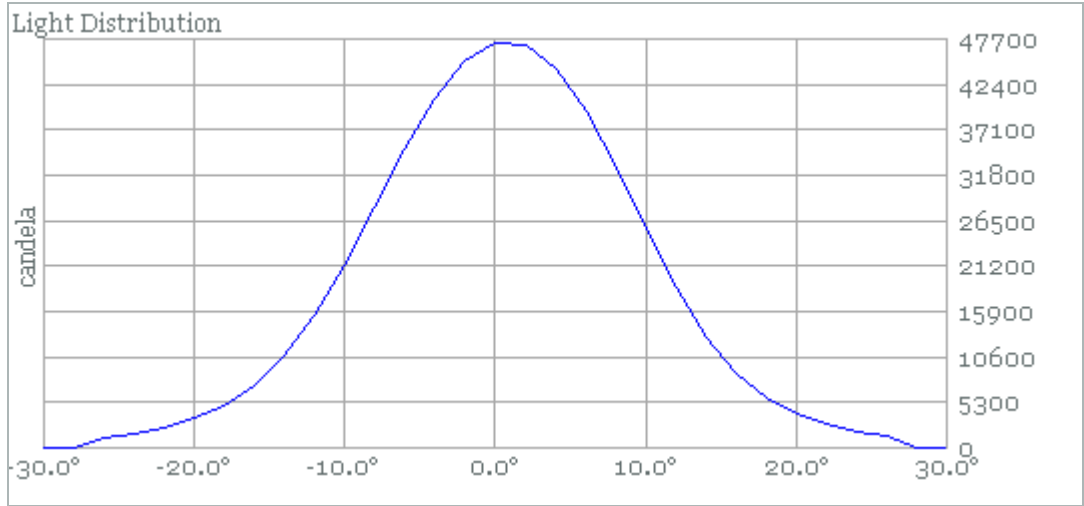
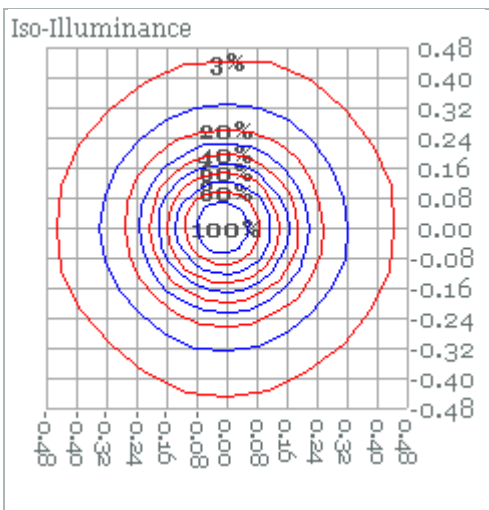
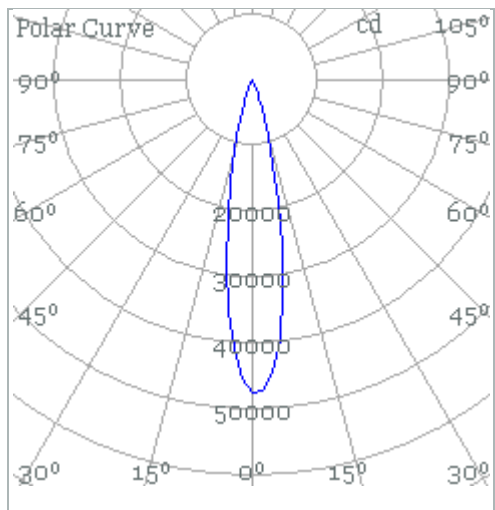
420
Narrow (Narrow diffuser) (10.5°)

m.	Ø 50%	10.5°	E (lux)	Efficacy
5	0.9		6240	44 lumens per watt
10	1.8		1560	Half-peak diameter
20	3.7		390	0.18 X distance(m)
30	5.5		173	Illuminance
50	9.2		62	156000 / distance² (lux)
				Total Output
				6500 (lumens)




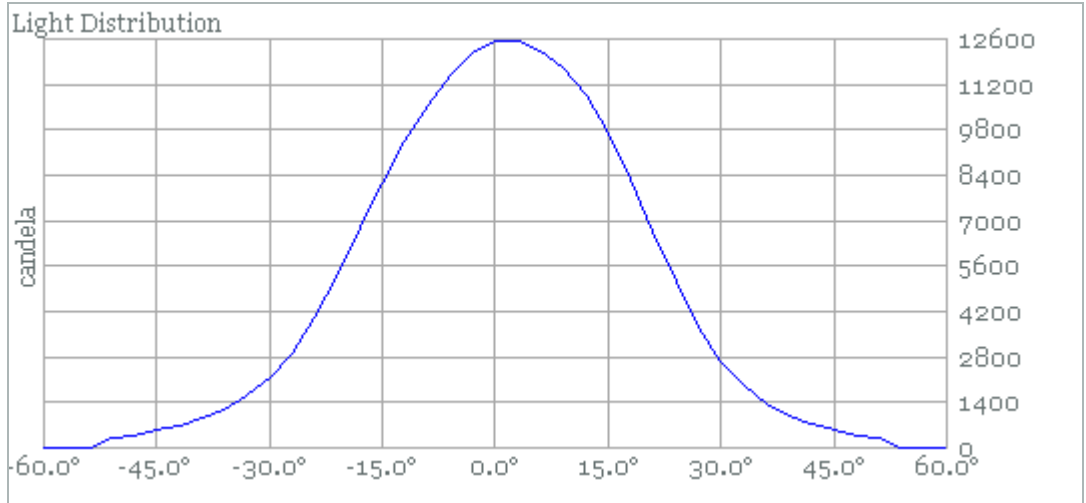
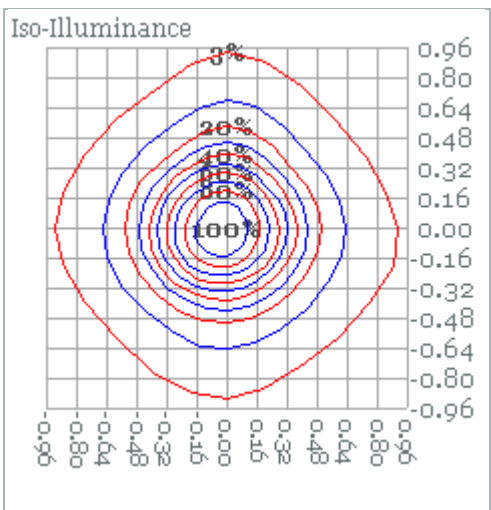
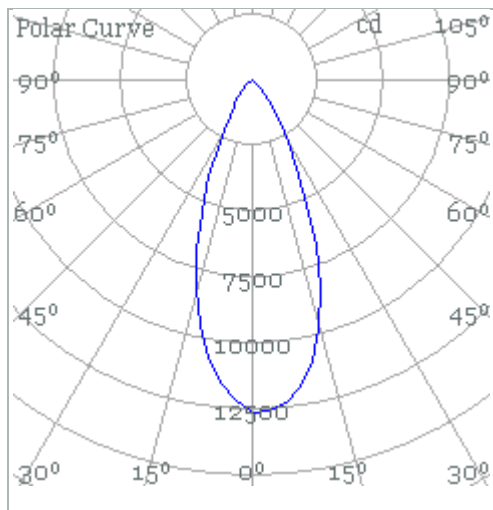
420
Medium (Medium diffuser) (20°)

m.	Ø 50%	20°	E (lux)	Efficacy
5	1.8		1880	44.7 lumens per watt
10	3.5		470	Half-peak diameter
20	7.1		118	0.35 X distance(m)
30	10.6		52	Illuminance
50	17.6		19	47000 / distance ² (lux)
				Total Output
				6700 (lumens)



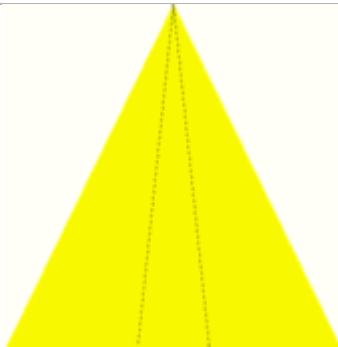
420
Wide (Wide diffuser) (41°)

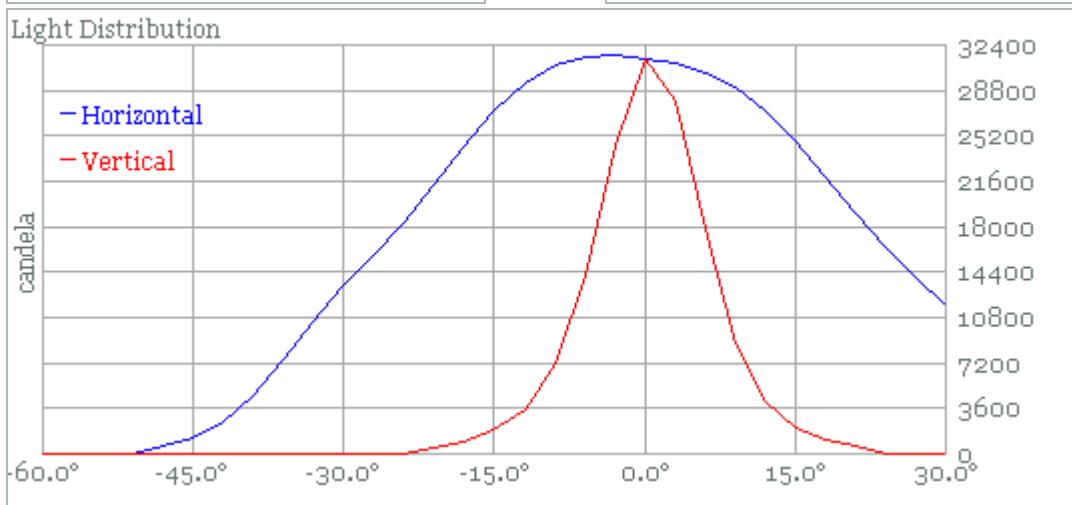
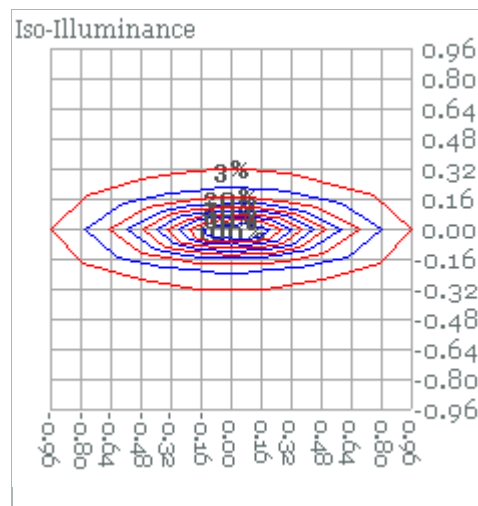
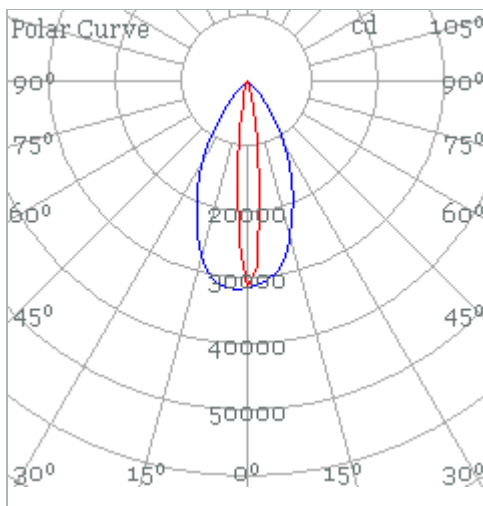
m.	Ø 50%	41°	E (lux)	Efficacy
5	3.7		520	45.4 lumens per watt
10	7.5		130	Half-peak diameter
20	15.0		33	0.75 X distance(m)
30	22.4		14	Illuminance
50	37.4		5	13000 / distance ² (lux)
				Total Output
				6800 (lumens)




420

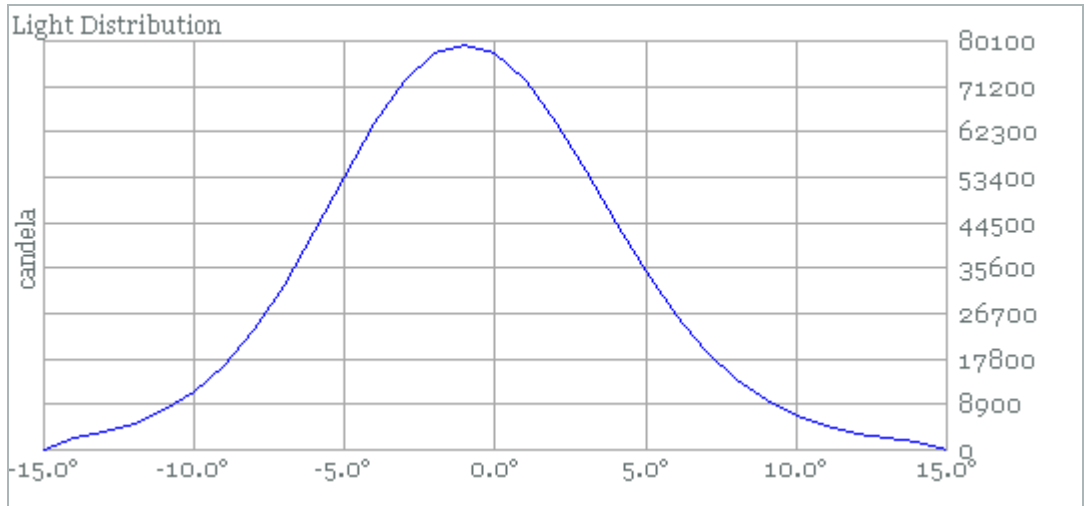
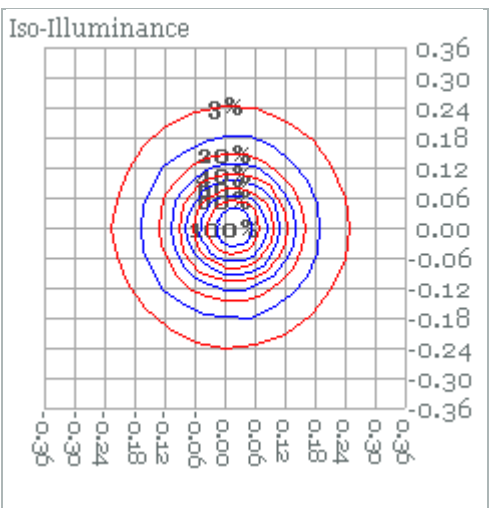
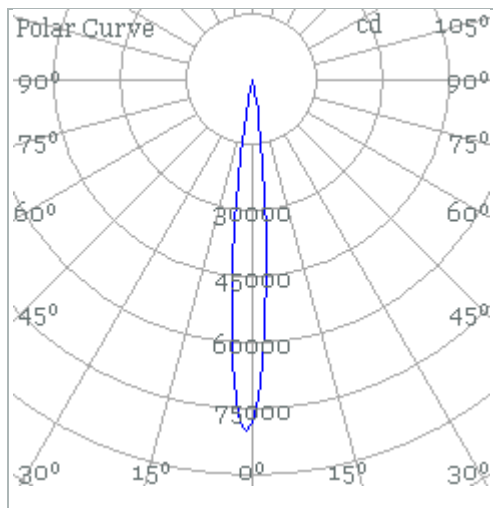
Beamshaper with ellipsoidal beamshaper (Assymetric diffuser) (52° X 12°)

m.	Ø 50%		52° 12°	E (lux)	Efficacy
	C ₀	C ₉₀			46.9 lumens per watt
5	4.9	1.1		1280	Half-peak diameter C ₀
10	9.8	2.1		320	0.98 X distance(m)
20	19.5	4.2		80	Half-peak diameter C ₉₀
30	29.3	6.3		36	0.21 X distance(m)
50	48.8	10.5		13	Illuminance
					32000 / distance ² (lux)
					Total Output
					7000 (lumens)




420
Standard (Narrow diffuser. Only Cold White LEDs on) (10.5°)

m.	Ø 50%		E (lux)	Efficacy
5	0.9		3160	41.2 lumens per watt
10	1.8		790	Half-peak diameter
20	3.7		198	0.18 X distance(m)
30	5.5		88	Illuminance
50	9.2		32	79000 / distance ² (lux)
			Total Output	
			3300 (lumens)	



420
Standard (Narrow diffuser. Only Warm White LEDs on) (10.5°)

m.	Ø 50%	10.5°	E (lux)	Efficacy
5	0.9		3880	36.9 lumens per watt
10	1.8		970	Half-peak diameter
20	3.7		243	0.18 X distance(m)
30	5.5		108	Illuminance
50	9.2		39	97000 / distance² (lux)
				Total Output
				4100 (lumens)

