

# Luminaire Property

Luminaire: 149-330

Report NO.:

Test NO.:

Lamp: CREE CXA1512 36V 3000K

Sum Lumens: 1425.4 lm

Number of Lamps: 1

Diameter: 200mm

Length: mm

Photometric Type: Type C

Voltage: 221.1 V

Current: 0.07 A

Power: 14.8 W

Power Factor: 0.158

Ballast Type: HEP G5RT15W350LRP

Width: 200mm

Height: mm

Remark: TTN044-30°

# Photometric Results

Lumens: 173.13 lm

Efficiency: 11.3901 lm/W

Central Intensity: 0.501cd

Maximum Intensity: 24.689cd

Angle of maximum intensity: C:90.0 G:116.0

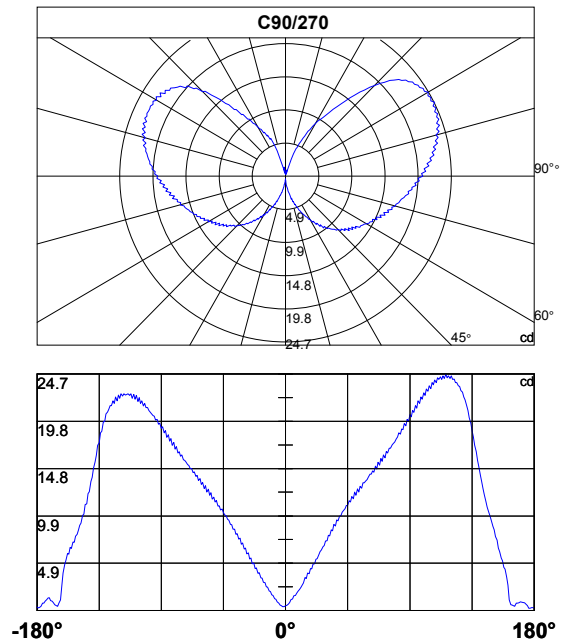
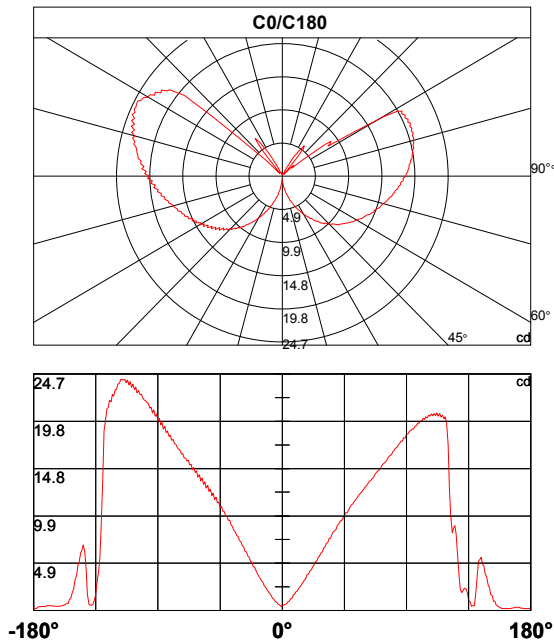
Half Peak Side Angle(50%): Left: -258.3 Right:27.6

Light Out Rate(LOR) : 12.1461%

Up Flux Rate: 54.03%

Down Flux Rate: 45.97%

Beam Angle(10%): Left: -278.0 Right:45.1



## Photometric Data Table [cd]

C/G	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
0.0	0.5	0.6	0.6	0.7	0.9	0.9	1.2	1.3	1.6	1.7
45.0	0.5	0.7	0.8	0.7	0.9	1.0	1.2	1.4	1.5	1.7
90.0	0.5	0.5	0.7	0.8	1.1	1.2	1.5	1.6	1.8	2.0
135.0	0.5	0.6	0.7	0.8	1.0	1.2	1.4	1.6	1.8	2.0
180.0	0.5	0.4	0.6	0.6	0.8	0.9	1.2	1.3	1.6	1.7
225.0	0.5	0.7	0.7	0.8	1.0	1.1	1.3	1.5	1.7	1.9
270.0	0.5	0.4	0.4	0.5	0.6	0.8	0.9	1.2	1.2	1.6
315.0	0.5	0.4	0.4	0.4	0.7	0.7	1.0	1.2	1.4	1.6
360.0	0.5	0.6	0.6	0.7	0.9	0.9	1.2	1.3	1.6	1.7

C/G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	2.0	2.0	2.3	2.5	2.7	2.9	3.2	3.3	3.7	3.8
45.0	1.9	2.1	2.3	2.5	2.9	2.9	3.3	3.3	3.7	3.8
90.0	2.2	2.4	2.6	2.9	3.4	3.3	3.9	3.8	4.4	4.3
135.0	2.2	2.4	2.7	3.0	3.3	3.5	3.8	3.9	4.4	4.5
180.0	2.0	2.2	2.4	2.6	3.0	3.1	3.3	3.6	3.8	4.1
225.0	2.1	2.1	2.6	2.5	3.0	3.0	3.5	3.5	4.1	4.0
270.0	1.6	2.0	2.0	2.4	2.5	2.9	2.9	3.4	3.4	3.9
315.0	1.8	2.0	2.2	2.1	2.5	2.5	2.9	2.9	3.2	3.3
360.0	2.0	2.0	2.3	2.5	2.7	2.9	3.2	3.3	3.7	3.8

C/G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	4.1	4.3	4.6	4.7	5.0	5.2	5.5	5.7	6.0	6.1
45.0	4.1	4.4	4.5	4.8	4.9	5.5	5.4	5.9	5.9	6.5
90.0	4.8	4.9	5.3	5.4	5.8	6.1	6.3	6.6	6.8	7.2
135.0	5.0	5.0	5.6	5.6	6.2	6.1	6.8	6.7	7.3	7.2
180.0	4.5	4.6	5.0	5.1	5.6	5.7	6.1	6.2	6.6	6.8
225.0	4.6	4.6	5.1	5.2	5.7	5.7	6.2	6.3	6.8	6.9
270.0	3.9	4.4	4.4	4.9	4.9	5.5	5.4	6.0	5.9	6.5
315.0	3.6	3.9	4.0	4.3	4.4	4.9	4.9	5.3	5.4	6.0
360.0	4.1	4.3	4.6	4.7	5.0	5.2	5.5	5.7	6.0	6.1

C/G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	6.5	6.6	7.0	7.1	7.5	7.6	8.0	8.2	8.4	8.5
45.0	6.4	7.0	6.8	7.5	7.3	7.8	7.9	8.2	8.4	8.6
90.0	7.3	7.9	7.8	8.4	8.3	9.0	8.8	9.5	9.4	9.9
135.0	8.0	7.8	8.5	8.4	8.9	8.9	9.5	9.5	9.9	10.0
180.0	7.2	7.3	7.7	7.9	8.2	8.4	8.8	8.9	9.4	9.4
225.0	7.3	7.5	7.9	8.0	8.4	8.6	9.0	9.1	9.4	9.7
270.0	6.4	7.0	6.9	7.6	7.5	8.0	8.0	8.5	8.5	9.0
315.0	5.8	6.4	6.3	6.9	6.8	7.4	7.2	7.8	7.7	8.2
360.0	6.5	6.6	7.0	7.1	7.5	7.6	8.0	8.2	8.4	8.5

## Photometric Data Table [cd]

C/G	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0
0.0	8.9	9.1	9.4	9.4	9.7	9.9	10.2	10.2	10.5	10.8
45.0	9.0	8.9	9.5	9.3	10.0	9.7	10.4	10.1	10.7	10.6
90.0	9.9	10.3	10.4	10.6	11.0	11.0	11.5	11.3	11.9	11.7
135.0	10.4	10.6	10.9	11.1	11.3	11.5	11.8	12.0	12.2	12.4
180.0	9.9	9.9	10.4	10.4	10.9	10.8	11.3	11.3	11.8	11.6
225.0	9.9	10.2	10.4	10.7	10.8	11.1	11.3	11.7	11.6	12.0
270.0	9.0	9.4	9.5	9.9	10.0	10.2	10.6	10.5	10.9	10.9
315.0	8.2	8.7	8.6	9.1	9.1	9.3	9.7	9.7	10.1	10.1
360.0	8.9	9.1	9.4	9.4	9.7	9.9	10.2	10.2	10.5	10.8

C/G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	11.0	11.1	11.3	11.5	11.7	11.9	12.1	12.3	12.5	12.6
45.0	10.8	11.1	11.2	11.7	11.4	12.0	11.7	12.4	12.1	12.7
90.0	12.4	12.0	12.7	12.4	13.0	12.8	13.3	13.3	13.5	13.7
135.0	12.6	12.9	13.0	13.3	13.4	13.7	13.8	14.0	14.2	14.4
180.0	12.3	12.0	12.7	12.4	13.1	12.8	13.4	13.2	13.8	13.5
225.0	12.0	12.5	12.4	12.9	12.7	13.3	13.1	13.7	13.4	14.0
270.0	11.5	11.3	11.8	11.6	12.3	12.0	12.7	12.4	13.0	12.7
315.0	10.4	10.5	10.9	10.8	11.3	11.2	11.7	11.5	12.1	11.9
360.0	11.0	11.1	11.3	11.5	11.7	11.9	12.1	12.3	12.5	12.6

C/G	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	12.9	13.0	13.2	13.5	13.6	13.7	13.9	14.2	14.4	14.6
45.0	12.6	12.7	12.9	13.1	13.5	13.2	13.9	13.6	14.3	14.1
90.0	13.9	14.2	14.2	14.6	14.4	15.1	14.8	15.5	15.2	15.9
135.0	14.6	14.8	14.9	15.3	15.3	15.5	15.6	15.9	16.0	16.4
180.0	14.2	13.9	14.6	14.4	14.9	14.7	15.3	15.2	15.7	15.6
225.0	13.8	14.5	14.2	14.8	14.5	15.1	14.9	15.5	15.3	15.8
270.0	13.4	13.2	13.8	13.6	14.1	14.0	14.5	14.4	14.8	14.8
315.0	12.4	12.2	12.8	12.6	13.2	12.9	13.6	13.3	13.9	13.7
360.0	12.9	13.0	13.2	13.5	13.6	13.7	13.9	14.2	14.4	14.6

C/G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	14.6	14.8	15.1	15.3	15.4	15.5	15.8	16.0	16.2	16.3
45.0	14.5	14.6	14.8	15.1	15.0	15.6	15.3	16.0	15.7	16.4
90.0	15.6	16.2	16.0	16.6	16.5	16.9	16.9	17.3	17.4	17.6
135.0	16.3	16.7	16.8	17.1	17.1	17.5	17.5	17.9	17.9	18.4
180.0	15.9	15.9	16.4	16.3	16.7	16.8	17.0	17.4	17.4	17.8
225.0	15.8	16.1	16.2	16.4	16.7	16.6	17.2	17.0	17.7	17.4
270.0	15.1	15.2	15.5	15.7	15.7	16.2	16.1	16.6	16.5	17.1
315.0	14.4	14.1	14.7	14.5	15.1	14.8	15.4	15.2	15.8	15.6
360.0	14.6	14.8	15.1	15.3	15.4	15.5	15.8	16.0	16.2	16.3

## Photometric Data Table [cd]

C/G	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	16.6	16.7	16.9	17.0	17.3	17.4	17.7	17.7	18.0	18.0
45.0	16.1	16.6	16.8	16.9	17.2	17.0	17.6	17.4	18.1	17.8
90.0	17.9	18.1	18.5	18.4	18.9	18.9	19.5	19.3	19.9	19.7
135.0	18.3	18.7	18.7	19.3	19.1	19.6	19.4	20.0	19.9	20.5
180.0	17.8	18.3	18.2	18.7	18.6	19.2	19.0	19.6	19.4	20.1
225.0	18.1	17.8	18.4	18.3	18.8	18.8	19.1	19.4	19.5	19.9
270.0	16.8	17.5	17.2	18.0	17.7	18.3	18.1	18.8	18.5	19.2
315.0	16.1	16.0	16.5	16.3	16.8	16.7	17.1	17.0	17.4	17.4
360.0	16.6	16.7	16.9	17.0	17.3	17.4	17.7	17.7	18.0	18.0

C/G	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0
0.0	18.4	18.5	18.7	18.8	18.9	18.9	19.2	19.3	19.6	19.6
45.0	18.5	18.2	18.6	18.7	18.9	19.2	19.1	19.6	19.3	19.9
90.0	20.5	20.2	20.9	20.7	21.4	21.1	21.9	21.6	22.3	22.1
135.0	20.2	20.9	20.7	21.3	21.1	21.7	21.4	22.1	21.8	22.5
180.0	19.8	20.5	20.3	20.9	20.6	21.2	21.1	21.6	21.7	21.9
225.0	19.7	20.4	20.1	20.8	20.5	21.2	21.0	21.4	21.6	21.7
270.0	19.0	19.5	19.4	19.9	19.9	20.3	20.3	20.6	20.7	20.9
315.0	17.7	17.7	18.1	18.0	18.3	18.3	18.6	18.6	18.8	19.0
360.0	18.4	18.5	18.7	18.8	18.9	18.9	19.2	19.3	19.6	19.6

C/G	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0	108.0	109.0
0.0	19.8	19.8	20.0	20.0	20.2	20.1	20.4	20.3	20.5	20.3
45.0	19.6	20.2	19.9	20.5	20.1	20.6	20.4	20.7	20.6	20.8
90.0	22.7	22.5	23.2	22.9	23.5	23.2	23.8	23.6	24.1	23.8
135.0	22.2	22.8	22.6	23.0	22.0	21.6	21.0	20.1	20.0	19.7
180.0	22.0	22.2	22.6	22.6	23.0	22.8	23.4	23.1	23.7	23.3
225.0	22.1	21.9	22.6	22.2	22.9	22.6	23.1	23.0	23.1	23.3
270.0	21.2	21.2	21.6	21.3	21.9	21.6	22.2	21.8	22.5	22.1
315.0	19.1	19.2	19.2	19.4	19.4	19.6	19.4	19.6	19.5	19.8
360.0	19.8	19.8	20.0	20.0	20.2	20.1	20.4	20.3	20.5	20.3

C/G	110.0	111.0	112.0	113.0	114.0	115.0	116.0	117.0	118.0	119.0
0.0	20.6	20.3	20.6	20.3	20.5	20.2	20.4	20.0	20.2	19.6
45.0	20.7	20.8	20.8	20.8	21.0	20.7	20.9	20.5	20.6	19.8
90.0	24.3	24.1	24.4	24.2	24.5	24.3	24.7	24.3	24.5	24.3
135.0	20.0	19.9	20.4	20.0	20.6	20.4	21.3	20.9	21.2	20.7
180.0	23.9	23.6	24.1	23.8	24.2	24.1	24.1	24.2	23.8	23.7
225.0	23.1	23.7	23.2	23.8	23.4	23.8	23.3	23.3	22.9	22.5
270.0	22.6	22.2	22.7	22.5	22.6	22.6	22.5	22.6	22.4	22.6
315.0	19.6	19.8	19.5	19.9	19.6	19.9	19.4	19.8	19.2	19.2
360.0	20.6	20.3	20.6	20.3	20.5	20.2	20.4	20.0	20.2	19.6

## Photometric Data Table [cd]

C/G	120.0	121.0	122.0	123.0	124.0	125.0	126.0	127.0	128.0	129.0
0.0	17.3	12.7	9.9	8.1	8.6	8.9	8.0	5.5	3.7	2.2
45.0	19.6	18.5	18.3	17.1	16.8	15.4	15.0	13.7	13.2	11.9
90.0	24.5	24.1	24.2	23.8	23.8	23.5	23.4	23.0	22.8	22.3
135.0	21.0	20.3	20.3	19.8	19.3	18.4	16.4	14.3	11.8	10.4
180.0	23.1	23.1	22.4	22.6	21.8	22.0	21.2	21.0	19.7	18.8
225.0	22.3	21.4	21.3	20.3	20.2	19.0	18.7	17.6	16.9	15.9
270.0	22.2	22.5	21.9	22.3	21.6	21.9	21.4	21.4	21.0	20.7
315.0	18.1	17.9	16.7	16.4	15.0	14.7	13.4	12.9	12.0	11.6
360.0	17.3	12.7	9.9	8.1	8.6	8.9	8.0	5.5	3.7	2.2

C/G	130.0	131.0	132.0	133.0	134.0	135.0	136.0	137.0	138.0	139.0
0.0	1.9	2.1	2.3	2.2	1.9	1.0	0.9	0.4	0.5	0.5
45.0	11.5	10.2	9.8	8.6	8.1	7.0	6.6	5.5	5.1	4.1
90.0	22.0	21.4	20.9	20.1	19.6	18.7	18.1	17.2	16.6	15.7
135.0	8.7	8.3	7.3	7.2	6.2	6.0	5.1	4.9	4.4	4.3
180.0	13.8	8.8	5.5	4.0	3.0	1.7	1.1	0.6	0.5	0.6
225.0	14.8	13.9	12.5	12.0	10.6	10.1	8.8	8.2	7.0	6.2
270.0	20.5	19.7	19.7	18.7	18.5	17.5	17.2	16.2	15.5	14.8
315.0	10.7	9.9	9.3	8.5	8.1	7.0	6.6	5.6	5.3	4.2
360.0	1.9	2.1	2.3	2.2	1.9	1.0	0.9	0.4	0.5	0.5

C/G	140.0	141.0	142.0	143.0	144.0	145.0	146.0	147.0	148.0	149.0
0.0	1.7	3.3	5.1	5.3	5.5	4.8	4.6	3.8	3.6	2.7
45.0	3.7	2.8	2.7	2.0	1.9	1.7	1.4	1.3	1.2	1.1
90.0	15.0	14.1	13.4	12.7	12.1	11.4	10.8	10.3	9.9	9.4
135.0	3.6	3.2	2.5	1.9	1.6	1.0	0.9	0.8	0.7	0.7
180.0	0.6	1.7	4.3	6.0	6.8	6.3	6.0	5.0	4.6	3.6
225.0	5.3	4.1	3.4	2.4	2.0	1.2	1.1	0.6	0.4	0.3
270.0	13.9	13.5	12.4	12.2	11.1	11.1	10.1	9.9	9.1	8.9
315.0	3.9	3.0	2.8	2.2	2.0	1.7	1.5	1.5	1.3	1.4
360.0	1.7	3.3	5.1	5.3	5.5	4.8	4.6	3.8	3.6	2.7

C/G	150.0	151.0	152.0	153.0	154.0	155.0	156.0	157.0	158.0	159.0
0.0	2.4	1.7	1.5	1.0	1.0	0.6	0.5	0.4	0.3	0.2
45.0	1.0	0.9	0.7	0.8	0.8	0.8	0.8	0.7	0.5	0.5
90.0	8.8	8.4	7.7	7.3	6.5	6.1	5.5	5.2	4.5	4.3
135.0	0.6	0.6	0.5	0.5	0.5	0.4	0.3	0.3	0.3	0.2
180.0	3.1	2.2	1.9	1.3	1.2	0.7	0.7	0.6	0.6	0.5
225.0	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.4
270.0	8.4	8.0	7.8	7.1	7.1	6.5	6.6	5.9	5.9	5.2
315.0	1.2	1.2	1.1	1.0	0.9	1.0	0.9	0.7	0.6	0.5
360.0	2.4	1.7	1.5	1.0	1.0	0.6	0.5	0.4	0.3	0.2

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### Photometric Data Table [cd]

C\G	160.0	161.0	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0
0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
45.0	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.9	1.2
90.0	3.5	2.6	1.1	0.6	0.6	0.5	0.4	0.8	0.8	0.8
135.0	0.2	0.2	0.2	0.3	0.3	0.5	0.6	0.5	0.5	0.5
180.0	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
225.0	0.4	0.4	0.4	0.4	0.6	0.7	0.7	1.0	0.9	0.9
270.0	4.8	3.9	2.5	1.1	0.8	0.4	0.5	0.6	0.8	1.0
315.0	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.8
360.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3

C\G	170.0	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
45.0	1.3	1.1	1.0	0.8	0.7	0.6	0.5	0.3	0.2	0.2
90.0	0.9	0.9	0.8	0.8	0.7	0.5	0.2	0.2	0.3	0.3
135.0	0.5	0.4	0.4	0.4	0.3	0.4	0.4	0.2	0.2	0.2
180.0	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.2
225.0	0.9	0.8	0.8	0.7	0.7	0.6	0.5	0.3	0.2	0.2
270.0	1.0	1.3	1.3	1.1	1.0	0.8	0.8	0.4	0.4	0.3
315.0	1.3	1.1	1.0	0.9	0.8	0.7	0.5	0.5	0.4	0.3
360.0	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2

C\G	180.0
0.0	0.3
45.0	0.3
90.0	0.2
135.0	0.2
180.0	0.3
225.0	0.4
270.0	0.4
315.0	0.2
360.0	0.3

## Zonal Flux Distribution

<b>Gamma [°]</b>	<b>lmean [cd]</b>	<b>Zonal Flux [lm]</b>	<b>Sum Flux [lm]</b>	<b>Zonal Flux [%]</b>	<b>Sum Flux [%]</b>
0	0.50	0.00	0.00	0.00	0.00
1	0.55	0.00	0.00	0.00	0.00
2	0.62	0.00	0.00	0.00	0.00
3	0.68	0.00	0.01	0.00	0.00
4	0.86	0.01	0.01	0.00	0.00
5	0.98	0.01	0.02	0.00	0.00
6	1.22	0.01	0.03	0.00	0.00
7	1.37	0.02	0.05	0.00	0.00
8	1.57	0.02	0.07	0.00	0.00
9	1.77	0.03	0.09	0.00	0.01
10	1.98	0.03	0.13	0.00	0.01
11	2.15	0.04	0.17	0.00	0.01
12	2.39	0.05	0.22	0.00	0.02
13	2.57	0.06	0.28	0.00	0.02
14	2.92	0.07	0.35	0.00	0.02
15	3.02	0.08	0.43	0.01	0.03
16	3.37	0.09	0.52	0.01	0.04
17	3.48	0.11	0.63	0.01	0.04
18	3.85	0.12	0.75	0.01	0.05
19	3.98	0.14	0.89	0.01	0.06
20	4.34	0.15	1.04	0.01	0.07
21	4.52	0.17	1.21	0.01	0.08
22	4.82	0.19	1.40	0.01	0.10
23	5.02	0.21	1.60	0.01	0.11
24	5.34	0.23	1.83	0.02	0.13
25	5.61	0.25	2.08	0.02	0.15
26	5.84	0.27	2.35	0.02	0.16
27	6.11	0.29	2.64	0.02	0.19
28	6.35	0.32	2.96	0.02	0.21
29	6.66	0.34	3.30	0.02	0.23
30	6.86	0.37	3.66	0.03	0.26
31	7.20	0.39	4.05	0.03	0.28
32	7.36	0.42	4.47	0.03	0.31
33	7.70	0.44	4.91	0.03	0.34
34	7.87	0.47	5.39	0.03	0.38
35	8.20	0.50	5.88	0.04	0.41
36	8.39	0.53	6.41	0.04	0.45
37	8.71	0.56	6.97	0.04	0.49
38	8.88	0.59	7.56	0.04	0.53
39	9.14	0.62	8.17	0.04	0.57
40	9.38	0.65	8.82	0.05	0.62

## Zonal Flux Distribution

Gamma [°]	lmean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
41	9.62	0.68	9.49	0.05	0.67
42	9.87	0.71	10.20	0.05	0.72
43	10.04	0.74	10.94	0.05	0.77
44	10.34	0.77	11.71	0.05	0.82
45	10.44	0.80	12.51	0.06	0.88
46	10.82	0.83	13.34	0.06	0.94
47	10.85	0.86	14.20	0.06	1.00
48	11.21	0.89	15.09	0.06	1.06
49	11.25	0.92	16.02	0.06	1.12
50	11.61	0.95	16.97	0.07	1.19
51	11.67	0.99	17.95	0.07	1.26
52	12.01	1.02	18.97	0.07	1.33
53	12.06	1.05	20.02	0.07	1.40
54	12.37	1.08	21.09	0.08	1.48
55	12.45	1.11	22.20	0.08	1.56
56	12.73	1.14	23.34	0.08	1.64
57	12.84	1.17	24.51	0.08	1.72
58	13.08	1.20	25.71	0.08	1.80
59	13.19	1.23	26.94	0.09	1.89
60	13.46	1.26	28.20	0.09	1.98
61	13.57	1.29	29.49	0.09	2.07
62	13.83	1.32	30.81	0.09	2.16
63	13.96	1.35	32.16	0.09	2.26
64	14.20	1.38	33.54	0.10	2.35
65	14.29	1.41	34.95	0.10	2.45
66	14.54	1.44	36.39	0.10	2.55
67	14.70	1.47	37.86	0.10	2.66
68	14.94	1.50	39.36	0.11	2.76
69	15.10	1.53	40.89	0.11	2.87
70	15.28	1.56	42.45	0.11	2.98
71	15.46	1.59	44.04	0.11	3.09
72	15.68	1.62	45.66	0.11	3.20
73	15.88	1.65	47.31	0.12	3.32
74	16.02	1.68	48.99	0.12	3.44
75	16.26	1.71	50.69	0.12	3.56
76	16.41	1.73	52.43	0.12	3.68
77	16.69	1.76	54.19	0.12	3.80
78	16.83	1.79	55.99	0.13	3.93
79	17.08	1.82	57.81	0.13	4.06
80	17.22	1.85	59.66	0.13	4.19
81	17.47	1.88	61.53	0.13	4.32



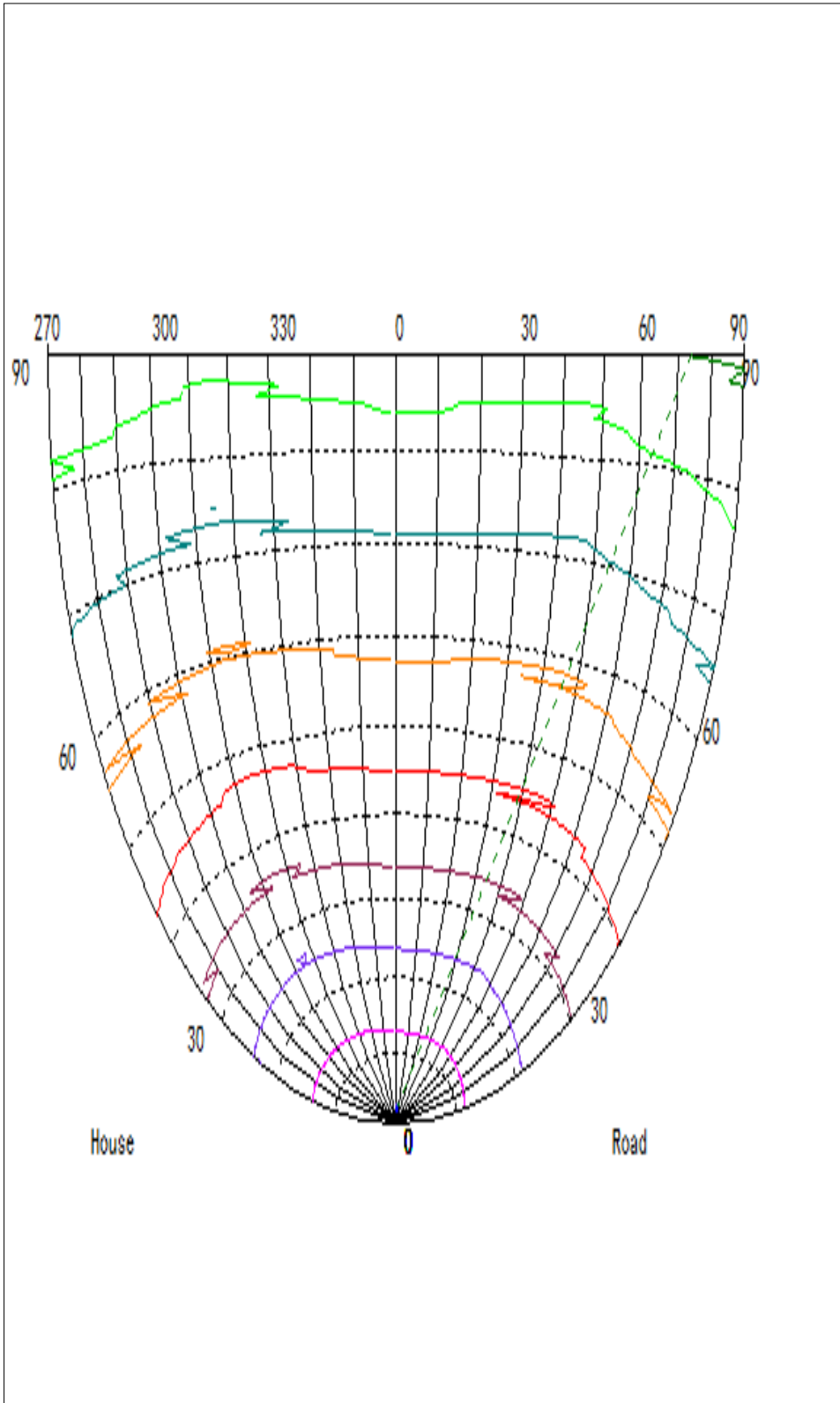
## Zonal Flux Distribution

<b>Gamma [°]</b>	<b>lmean [cd]</b>	<b>Zonal Flux [lm]</b>	<b>Sum Flux [lm]</b>	<b>Zonal Flux [%]</b>	<b>Sum Flux [%]</b>
82	17.67	1.91	63.44	0.13	4.45
83	17.87	1.93	65.37	0.14	4.59
84	18.06	1.96	67.33	0.14	4.72
85	18.25	1.98	69.31	0.14	4.86
86	18.44	2.01	71.32	0.14	5.00
87	18.66	2.03	73.35	0.14	5.15
88	18.85	2.05	75.40	0.14	5.29
89	19.07	2.08	77.48	0.15	5.44
90	19.23	2.10	79.58	0.15	5.58
91	19.50	2.12	81.70	0.15	5.73
92	19.60	2.14	83.85	0.15	5.88
93	19.91	2.16	86.01	0.15	6.03
94	19.97	2.18	88.19	0.15	6.19
95	20.26	2.20	90.39	0.15	6.34
96	20.34	2.22	92.61	0.16	6.50
97	20.62	2.23	94.84	0.16	6.65
98	20.75	2.25	97.09	0.16	6.81
99	20.96	2.26	99.35	0.16	6.97
100	21.09	2.27	101.62	0.16	7.13
101	21.22	2.28	103.91	0.16	7.29
102	21.46	2.29	106.20	0.16	7.45
103	21.49	2.30	108.50	0.16	7.61
104	21.63	2.30	110.80	0.16	7.77
105	21.52	2.29	113.09	0.16	7.93
106	21.73	2.29	115.37	0.16	8.09
107	21.53	2.27	117.65	0.16	8.25
108	21.74	2.26	119.91	0.16	8.41
109	21.64	2.26	122.17	0.16	8.57
110	21.86	2.25	124.41	0.16	8.73
111	21.80	2.24	126.66	0.16	8.89
112	21.97	2.23	128.89	0.16	9.04
113	21.90	2.22	131.11	0.16	9.20
114	22.05	2.21	133.32	0.16	9.35
115	21.98	2.20	135.52	0.15	9.51
116	22.08	2.18	137.70	0.15	9.66
117	21.95	2.16	139.86	0.15	9.81
118	21.86	2.13	141.99	0.15	9.96
119	21.55	2.09	144.08	0.15	10.11
120	21.01	2.03	146.11	0.14	10.25
121	20.08	1.94	148.05	0.14	10.39
122	19.38	1.84	149.90	0.13	10.52

## Zonal Flux Distribution

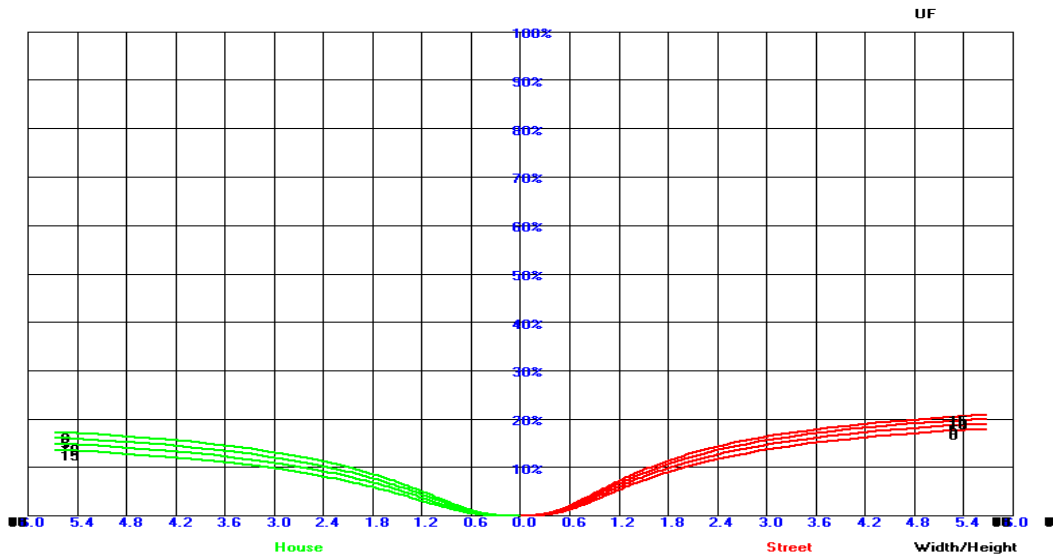
<b>Gamma [°]</b>	<b>lmean [cd]</b>	<b>Zonal Flux [lm]</b>	<b>Sum Flux [lm]</b>	<b>Zonal Flux [%]</b>	<b>Sum Flux [%]</b>
123	18.79	1.77	151.66	0.12	10.64
124	18.40	1.70	153.36	0.12	10.76
125	17.97	1.64	155.01	0.12	10.87
126	17.19	1.57	156.58	0.11	10.98
127	16.17	1.47	158.05	0.10	11.09
128	15.14	1.36	159.41	0.10	11.18
129	14.21	1.26	160.67	0.09	11.27
130	12.98	1.15	161.82	0.08	11.35
131	11.79	1.03	162.85	0.07	11.42
132	10.93	0.93	163.79	0.07	11.49
133	10.17	0.85	164.64	0.06	11.55
134	9.49	0.78	165.42	0.05	11.61
135	8.63	0.71	166.13	0.05	11.65
136	8.05	0.64	166.77	0.04	11.70
137	7.34	0.58	167.35	0.04	11.74
138	6.87	0.53	167.88	0.04	11.78
139	6.30	0.48	168.36	0.03	11.81
140	5.98	0.44	168.79	0.03	11.84
141	5.71	0.41	169.20	0.03	11.87
142	5.84	0.39	169.59	0.03	11.90
143	5.60	0.38	169.98	0.03	11.92
144	5.40	0.36	170.34	0.03	11.95
145	4.90	0.33	170.66	0.02	11.97
146	4.56	0.29	170.96	0.02	11.99
147	4.15	0.26	171.22	0.02	12.01
148	3.86	0.24	171.46	0.02	12.03
149	3.51	0.21	171.67	0.01	12.04
150	3.22	0.19	171.85	0.01	12.06
151	2.89	0.16	172.02	0.01	12.07
152	2.69	0.15	172.17	0.01	12.08
153	2.40	0.13	172.29	0.01	12.09
154	2.27	0.11	172.41	0.01	12.10
155	2.05	0.10	172.51	0.01	12.10
156	1.94	0.09	172.60	0.01	12.11
157	1.76	0.08	172.68	0.01	12.11
158	1.64	0.07	172.75	0.01	12.12
159	1.48	0.06	172.82	0.00	12.12
160	1.30	0.05	172.87	0.00	12.13
161	1.08	0.04	172.91	0.00	12.13
162	0.71	0.03	172.94	0.00	12.13
163	0.48	0.02	172.96	0.00	12.13





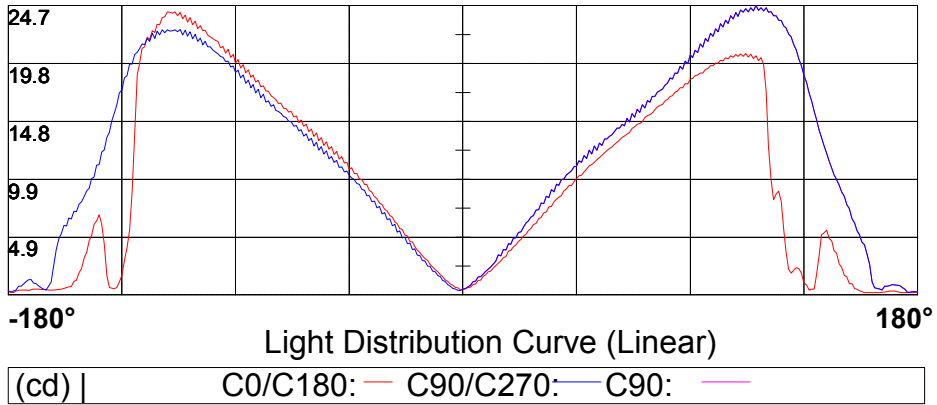
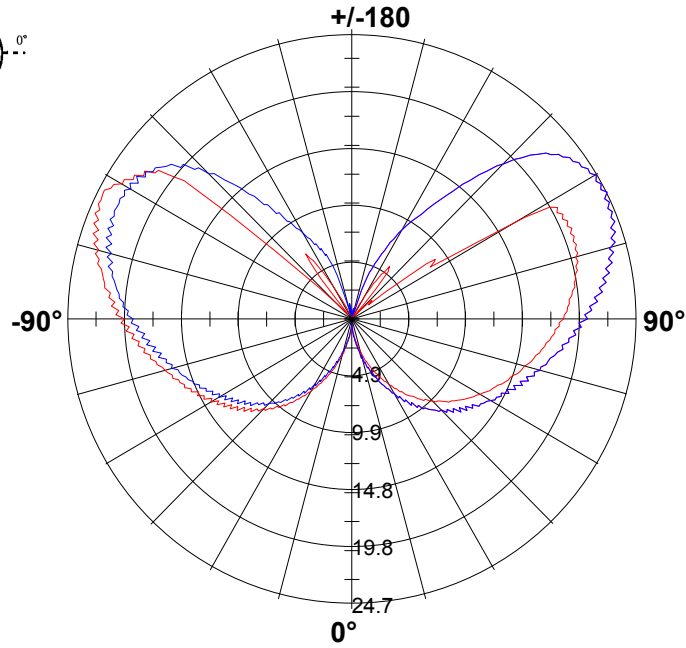
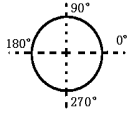
- 2.4689 cd
- 4.9378 cd
- 7.4067 cd
- 9.8756 cd
- 12.3445 cd
- 14.8134 cd
- 17.2823 cd
- 19.7512 cd
- 22.2201 cd
- 24.689 cd

# Coefficient Utilization Curve

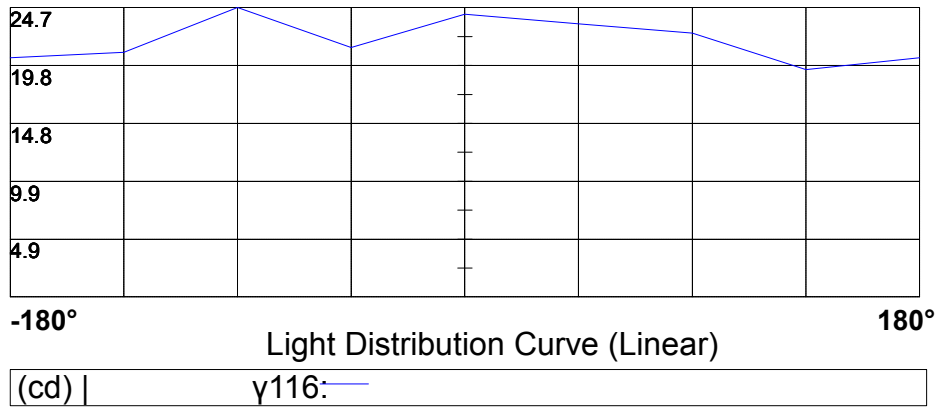
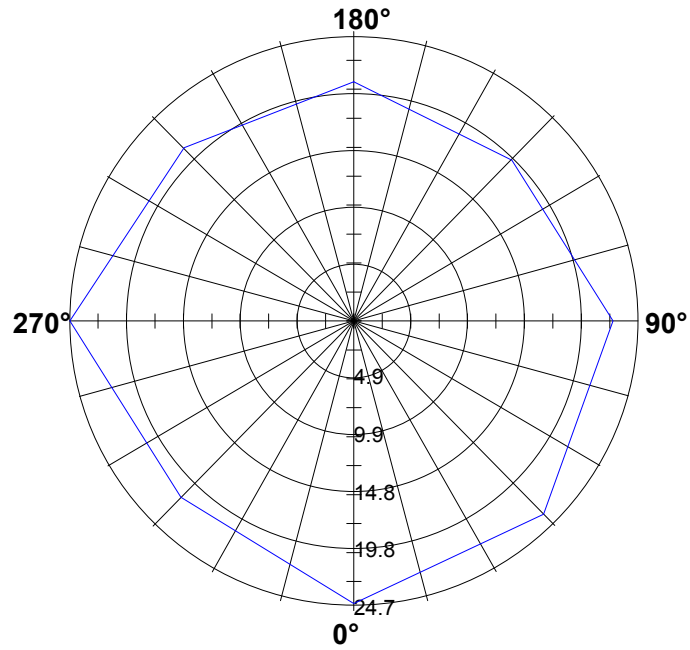


Light Distribution Curve [Unit: cd]

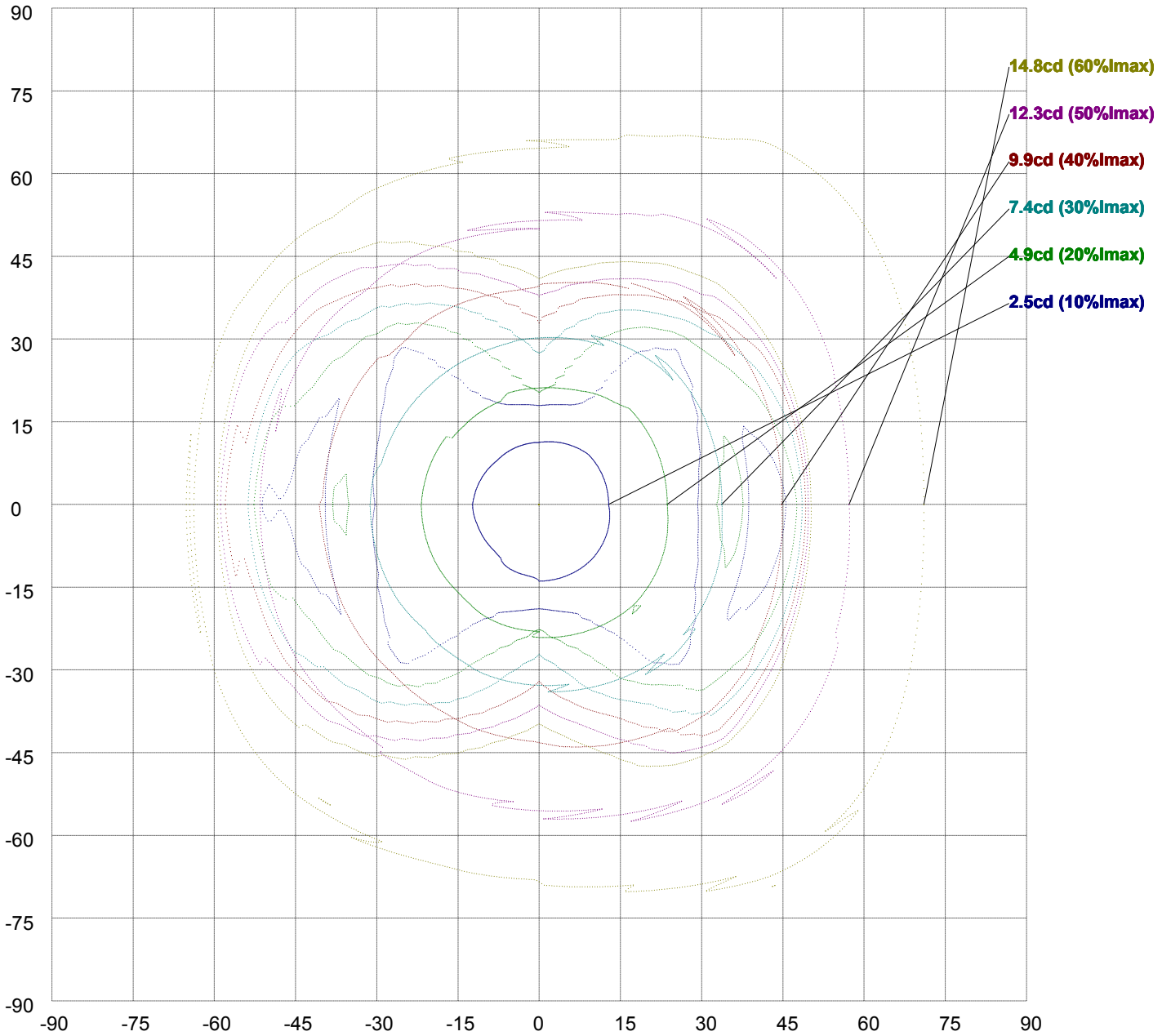
Luminaire



**Max Plane Light Distribution Curve [Unit: cd]**

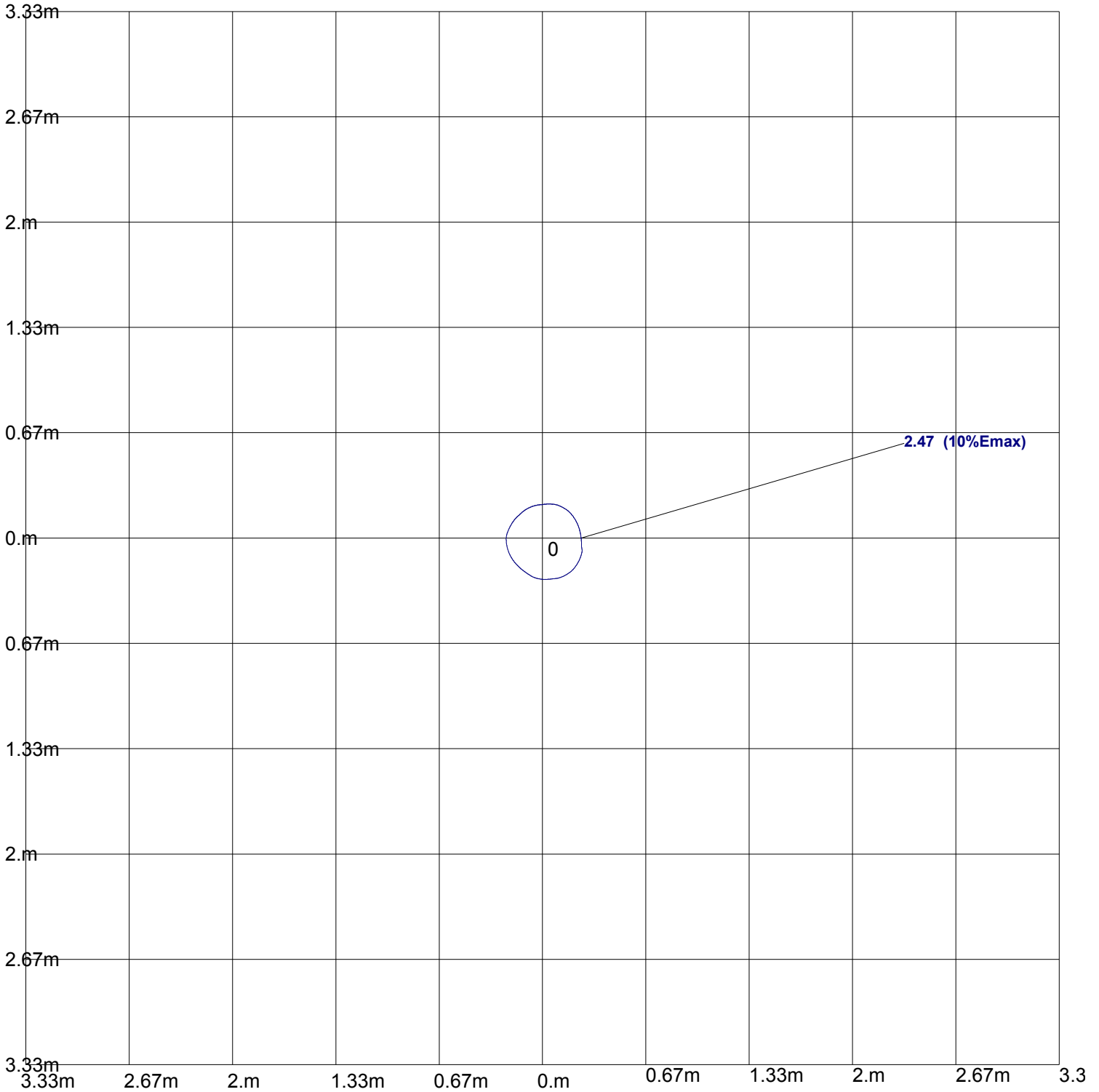


# V-H [cd]



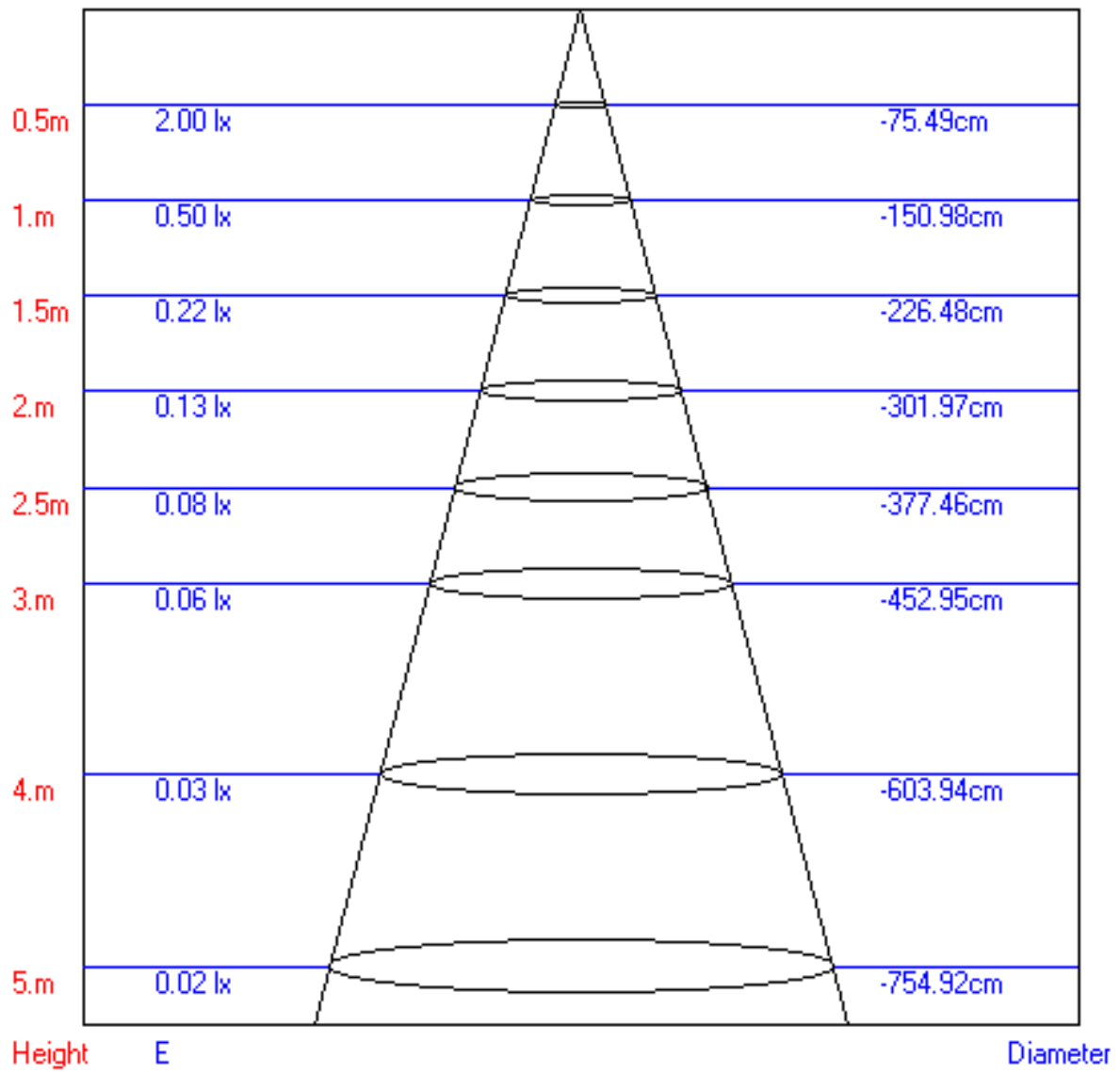


Iso-Lux[lx]



Height: 1 m  
Max Illuminance : 24.69lx

### Lux-Distance Curve



Beam Angle:285.90°

Utilization Coefficient Table

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION FOR RHOFC=20															
0	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12
1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.09
2	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.10	0.10	0.10	0.10	0.09	0.10	0.09	0.09	0.08
3	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.10	0.09	0.09	0.09	0.09	0.08	0.08
4	0.10	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.09	0.08	0.08	0.07
5	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.09	0.08	0.08	0.09	0.08	0.07	0.07
6	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.08	0.08	0.08	0.08	0.07	0.07
7	0.09	0.09	0.09	0.09	0.09	0.08	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07
8	0.09	0.09	0.08	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.08	0.07	0.07	0.07
9	0.09	0.08	0.08	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.08	0.07	0.07	0.07
10	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.08	0.07	0.07	0.06

