

## Luminaire Property

Report NO.: EST-G4-2W-SG-H

Test NO.:

Lamp:

Sum Lumens: 142.32 lm

Number of Lamps: 1

Diameter: 200mm

Length: mm

Photometric Type: Type C

Voltage: 12.1 V

Current: 0.209 A

Power: 1.7 W

Power Factor: 0.691

Ballast Type:

Width: 200mm

Height: mm

Remark:

## Photometric Results

Lumens: 142.32 lm

Efficiency: 100%

Central Intensity: 2.883cd

Maximum Intensity: 19.344cd

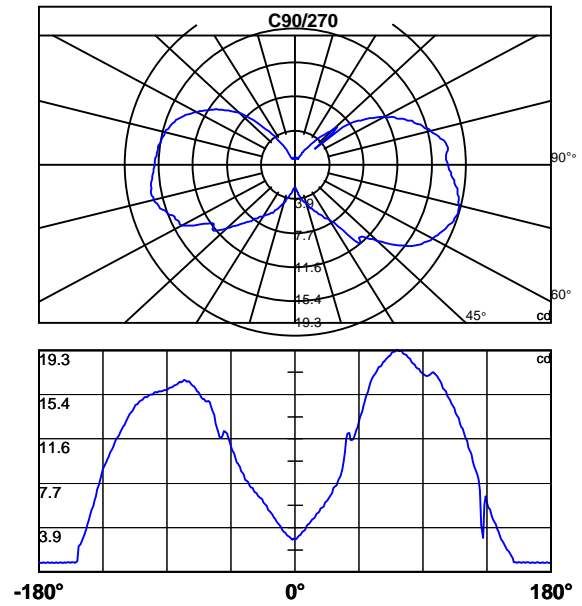
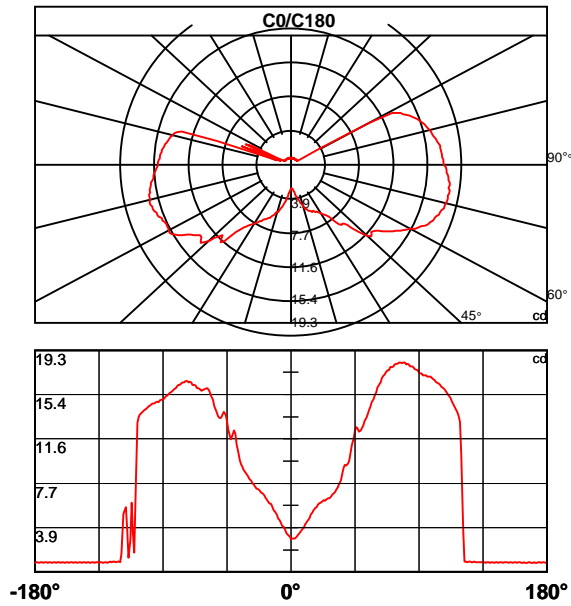
Beam Angle(10%): Left: -224.2 Right:77.1

Angle of maximum intensity: C:45.0 G:72.0

Half Peak Side Angle(50%): Left: -204.5 Right:52.9

Up Flux Rate: 38.9%

Down Flux Rate: 61.1%



## Photometric Data Table [cd]

Cly	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
<b>0.0</b>	2.9	2.9	2.9	2.9	3.1	3.2	3.3	3.5	3.8	3.9
<b>45.0</b>	2.9	2.9	3.1	3.2	3.2	3.5	3.6	3.7	4.0	4.1
<b>90.0</b>	2.9	2.9	3.1	3.2	3.2	3.5	3.6	3.7	4.0	4.1
<b>135.0</b>	2.9	3.1	3.3	3.4	3.6	3.9	4.0	4.3	4.5	4.7
<b>180.0</b>	2.9	3.1	3.3	3.4	3.6	3.9	4.0	4.3	4.5	4.7
<b>225.0</b>	2.9	2.9	2.8	2.9	3.1	3.1	3.2	3.4	3.5	3.7
<b>270.0</b>	2.9	2.9	2.8	2.9	3.1	3.1	3.2	3.4	3.5	3.7
<b>315.0</b>	2.9	2.9	2.9	2.9	3.1	3.2	3.3	3.5	3.8	3.9
<b>360.0</b>	2.9	2.9	2.9	2.9	3.1	3.2	3.3	3.5	3.8	3.9

Cly	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
<b>0.0</b>	4.1	4.3	4.5	4.7	5.0	5.1	5.3	5.6	5.7	5.9
<b>45.0</b>	4.2	4.4	4.6	4.7	4.8	5.1	5.1	5.2	5.5	5.6
<b>90.0</b>	4.2	4.4	4.6	4.7	4.8	5.1	5.1	5.2	5.5	5.6
<b>135.0</b>	5.0	5.2	5.4	5.7	5.9	6.0	6.1	6.3	6.4	6.7
<b>180.0</b>	5.0	5.2	5.4	5.7	5.9	6.0	6.1	6.3	6.4	6.7
<b>225.0</b>	3.9	4.1	4.2	4.4	4.7	4.8	5.0	5.2	5.3	5.4
<b>270.0</b>	3.9	4.1	4.2	4.4	4.7	4.8	5.0	5.2	5.3	5.4
<b>315.0</b>	4.1	4.3	4.5	4.7	5.0	5.1	5.3	5.6	5.7	5.9
<b>360.0</b>	4.1	4.3	4.5	4.7	5.0	5.1	5.3	5.6	5.7	5.9

Cly	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
<b>0.0</b>	6.0	6.0	6.1	6.2	6.2	6.3	6.4	6.4	6.6	6.7
<b>45.0</b>	5.7	6.0	6.1	6.2	6.6	6.7	6.9	7.3	7.5	7.5
<b>90.0</b>	5.7	6.0	6.1	6.2	6.6	6.7	6.9	7.3	7.5	7.5
<b>135.0</b>	6.9	6.9	7.1	7.2	7.2	7.5	7.6	7.7	7.9	8.1
<b>180.0</b>	6.9	6.9	7.1	7.2	7.2	7.5	7.6	7.7	7.9	8.1
<b>225.0</b>	5.8	5.9	6.0	6.3	6.4	6.4	6.7	6.9	6.9	7.0
<b>270.0</b>	5.8	5.9	6.0	6.3	6.4	6.4	6.7	6.9	6.9	7.0
<b>315.0</b>	6.0	6.0	6.1	6.2	6.2	6.3	6.4	6.4	6.6	6.7
<b>360.0</b>	6.0	6.0	6.1	6.2	6.2	6.3	6.4	6.4	6.6	6.7

Cly	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
<b>0.0</b>	6.8	7.0	7.2	7.3	7.7	8.0	8.6	9.0	9.3	9.2
<b>45.0</b>	7.9	8.1	8.3	8.9	9.6	10.4	11.5	12.1	12.1	11.5
<b>90.0</b>	7.9	8.1	8.3	8.9	9.6	10.4	11.5	12.1	12.1	11.5
<b>135.0</b>	8.3	8.5	8.7	8.9	9.1	9.4	9.7	10.3	11.1	12.1
<b>180.0</b>	8.3	8.5	8.7	8.9	9.1	9.4	9.7	10.3	11.1	12.1
<b>225.0</b>	7.3	7.3	7.5	7.8	7.9	8.0	8.5	8.7	8.8	9.1
<b>270.0</b>	7.3	7.3	7.5	7.8	7.9	8.0	8.5	8.7	8.8	9.1
<b>315.0</b>	6.8	7.0	7.2	7.3	7.7	8.0	8.6	9.0	9.3	9.2
<b>360.0</b>	6.8	7.0	7.2	7.3	7.7	8.0	8.6	9.0	9.3	9.2

**Photometric Data Table [cd]**

Cly	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0
0.0	9.4	9.7	10.4	11.0	11.7	12.3	12.6	12.5	12.2	12.3
45.0	11.5	11.6	12.0	12.4	12.6	13.1	13.5	14.0	14.4	14.9
90.0	11.5	11.6	12.0	12.4	12.6	13.1	13.5	14.0	14.4	14.9
135.0	12.3	12.0	11.5	11.9	12.4	13.1	13.6	14.0	13.7	13.4
180.0	12.3	12.0	11.5	11.9	12.4	13.1	13.6	14.0	13.7	13.4
225.0	9.4	9.6	9.9	10.3	10.6	10.9	11.3	11.7	12.1	12.2
270.0	9.4	9.6	9.9	10.3	10.6	10.9	11.3	11.7	12.1	12.2
315.0	9.4	9.7	10.4	11.0	11.7	12.3	12.6	12.5	12.2	12.3
360.0	9.4	9.7	10.4	11.0	11.7	12.3	12.6	12.5	12.2	12.3

Cly	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	12.5	12.8	13.2	13.4	13.8	14.1	14.4	14.7	15.1	15.4
45.0	15.3	15.6	16.1	16.5	16.8	17.0	17.2	17.4	17.6	17.9
90.0	15.3	15.6	16.1	16.5	16.8	17.0	17.2	17.4	17.6	17.9
135.0	13.4	13.6	13.9	14.2	14.4	15.0	15.3	15.6	15.9	16.0
180.0	13.4	13.6	13.9	14.2	14.4	15.0	15.3	15.6	15.9	16.0
225.0	12.3	11.9	11.7	11.8	12.2	12.5	12.9	13.7	14.1	14.4
270.0	12.3	11.9	11.7	11.8	12.2	12.5	12.9	13.7	14.1	14.4
315.0	12.5	12.8	13.2	13.4	13.8	14.1	14.4	14.7	15.1	15.4
360.0	12.5	12.8	13.2	13.4	13.8	14.1	14.4	14.7	15.1	15.4

Cly	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	15.6	16.1	16.3	16.5	16.9	17.1	17.2	17.4	17.5	17.5
45.0	17.9	18.1	18.3	18.3	18.5	18.7	18.8	18.9	19.1	19.2
90.0	17.9	18.1	18.3	18.3	18.5	18.7	18.8	18.9	19.1	19.2
135.0	16.0	15.9	15.9	15.8	15.9	16.0	16.0	16.2	16.3	16.3
180.0	16.0	15.9	15.9	15.8	15.9	16.0	16.0	16.2	16.3	16.3
225.0	14.8	14.9	14.9	14.9	15.1	15.1	15.2	15.5	15.6	15.7
270.0	14.8	14.9	14.9	14.9	15.1	15.1	15.2	15.5	15.6	15.7
315.0	15.6	16.1	16.3	16.5	16.9	17.1	17.2	17.4	17.5	17.5
360.0	15.6	16.1	16.3	16.5	16.9	17.1	17.2	17.4	17.5	17.5

Cly	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	17.8	17.9	17.9	18.1	18.1	18.1	18.2	18.2	18.2	18.2
45.0	19.2	19.3	19.3	19.2	19.2	19.2	19.0	19.0	18.9	18.7
90.0	19.2	19.3	19.3	19.2	19.2	19.2	19.0	19.0	18.9	18.7
135.0	16.5	16.5	16.5	16.6	16.6	16.5	16.5	16.4	16.3	16.3
180.0	16.5	16.5	16.5	16.6	16.6	16.5	16.5	16.4	16.3	16.3
225.0	16.0	16.2	16.2	16.3	16.5	16.6	16.5	16.6	16.7	16.6
270.0	16.0	16.2	16.2	16.3	16.5	16.6	16.5	16.6	16.7	16.6
315.0	17.8	17.9	17.9	18.1	18.1	18.1	18.2	18.2	18.2	18.2
360.0	17.8	17.9	17.9	18.1	18.1	18.1	18.2	18.2	18.2	18.2

**Photometric Data Table [cd]**

Cly	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	18.2	18.1	18.1	18.1	17.9	17.9	17.8	17.7	17.6	17.5
45.0	18.6	18.6	18.3	18.1	18.1	17.9	17.7	17.7	17.4	17.3
90.0	18.6	18.6	18.3	18.1	18.1	17.9	17.7	17.7	17.4	17.3
135.0	16.2	16.0	16.0	15.8	15.6	15.6	15.5	15.3	15.3	15.1
180.0	16.2	16.0	16.0	15.8	15.6	15.6	15.5	15.3	15.3	15.1
225.0	16.5	16.5	16.4	16.3	16.3	16.2	16.1	16.1	16.1	16.0
270.0	16.5	16.5	16.4	16.3	16.3	16.2	16.1	16.1	16.1	16.0
315.0	18.2	18.1	18.1	18.1	17.9	17.9	17.8	17.7	17.6	17.5
360.0	18.2	18.1	18.1	18.1	17.9	17.9	17.8	17.7	17.6	17.5

Cly	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0
0.0	17.3	17.3	17.3	17.1	17.1	17.1	17.0	17.0	17.0	16.9
45.0	17.3	17.2	17.1	17.1	17.1	17.2	17.3	17.4	17.3	17.2
90.0	17.3	17.2	17.1	17.1	17.1	17.2	17.3	17.4	17.3	17.2
135.0	15.0	15.0	15.0	14.8	14.9	14.8	14.7	14.7	14.6	14.5
180.0	15.0	15.0	15.0	14.8	14.9	14.8	14.7	14.7	14.6	14.5
225.0	15.9	15.9	15.9	15.8	15.7	15.8	15.7	15.6	15.6	15.6
270.0	15.9	15.9	15.9	15.8	15.7	15.8	15.7	15.6	15.6	15.6
315.0	17.3	17.3	17.3	17.1	17.1	17.1	17.0	17.0	17.0	16.9
360.0	17.3	17.3	17.3	17.1	17.1	17.1	17.0	17.0	17.0	16.9

Cly	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0	108.0	109.0
0.0	16.8	16.7	16.5	16.4	16.4	16.3	16.1	16.0	15.9	15.7
45.0	17.1	16.8	16.6	16.4	16.0	15.9	15.7	15.3	15.2	15.0
90.0	17.1	16.8	16.6	16.4	16.0	15.9	15.7	15.3	15.2	15.0
135.0	14.4	14.3	14.2	14.1	14.0	13.8	13.7	13.5	13.0	8.8
180.0	14.4	14.3	14.2	14.1	14.0	13.8	13.7	13.5	13.0	8.8
225.0	15.4	15.4	15.4	15.3	15.2	15.2	15.2	15.0	15.0	14.9
270.0	15.4	15.4	15.4	15.3	15.2	15.2	15.2	15.0	15.0	14.9
315.0	16.8	16.7	16.5	16.4	16.4	16.3	16.1	16.0	15.9	15.7
360.0	16.8	16.7	16.5	16.4	16.4	16.3	16.1	16.0	15.9	15.7

Cly	110.0	111.0	112.0	113.0	114.0	115.0	116.0	117.0	118.0	119.0
0.0	15.5	15.4	15.2	14.9	14.7	14.4	14.1	13.9	13.5	13.1
45.0	14.6	14.4	14.3	13.8	13.6	13.4	12.9	12.6	12.5	11.9
90.0	14.6	14.4	14.3	13.8	13.6	13.4	12.9	12.6	12.5	11.9
135.0	1.7	3.4	6.0	2.8	1.2	3.7	5.7	5.3	5.0	1.6
180.0	1.7	3.4	6.0	2.8	1.2	3.7	5.7	5.3	5.0	1.6
225.0	14.7	14.6	14.5	14.3	14.1	14.0	13.8	13.5	13.3	13.1
270.0	14.7	14.6	14.5	14.3	14.1	14.0	13.8	13.5	13.3	13.1
315.0	15.5	15.4	15.2	14.9	14.7	14.4	14.1	13.9	13.5	13.1
360.0	15.5	15.4	15.2	14.9	14.7	14.4	14.1	13.9	13.5	13.1

**Photometric Data Table [cd]**

Cly	120.0	121.0	122.0	123.0	124.0	125.0	126.0	127.0	128.0	129.0
0.0	10.1	3.7	0.9	0.9	0.8	0.9	0.9	0.8	0.8	0.9
45.0	11.6	11.4	10.8	10.5	10.2	9.6	9.2	8.9	8.5	8.0
90.0	11.6	11.4	10.8	10.5	10.2	9.6	9.2	8.9	8.5	8.0
135.0	0.8	0.9	0.9	0.8	0.9	0.9	0.8	0.9	0.8	0.8
180.0	0.8	0.9	0.9	0.8	0.9	0.9	0.8	0.9	0.8	0.8
225.0	12.8	12.6	12.4	12.2	11.9	11.7	11.5	11.2	10.9	10.7
270.0	12.8	12.6	12.4	12.2	11.9	11.7	11.5	11.2	10.9	10.7
315.0	10.1	3.7	0.9	0.9	0.8	0.9	0.9	0.8	0.8	0.9
360.0	10.1	3.7	0.9	0.9	0.8	0.9	0.9	0.8	0.8	0.9

Cly	130.0	131.0	132.0	133.0	134.0	135.0	136.0	137.0	138.0	139.0
0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
45.0	7.1	4.1	3.0	5.9	6.6	6.0	5.7	5.4	5.0	4.7
90.0	7.1	4.1	3.0	5.9	6.6	6.0	5.7	5.4	5.0	4.7
135.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
180.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
225.0	10.4	10.0	9.8	9.5	9.2	9.0	8.6	8.1	7.7	7.2
270.0	10.4	10.0	9.8	9.5	9.2	9.0	8.6	8.1	7.7	7.2
315.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
360.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

Cly	140.0	141.0	142.0	143.0	144.0	145.0	146.0	147.0	148.0	149.0
0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
45.0	4.4	4.1	3.8	3.5	3.2	2.9	2.6	2.4	2.2	2.0
90.0	4.4	4.1	3.8	3.5	3.2	2.9	2.6	2.4	2.2	2.0
135.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
180.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
225.0	6.6	6.2	5.8	5.4	5.0	4.5	4.2	3.8	3.3	3.0
270.0	6.6	6.2	5.8	5.4	5.0	4.5	4.2	3.8	3.3	3.0
315.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
360.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

Cly	150.0	151.0	152.0	153.0	154.0	155.0	156.0	157.0	158.0	159.0
0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
45.0	1.8	1.6	1.4	1.2	0.8	0.8	0.8	0.8	0.8	0.8
90.0	1.8	1.6	1.4	1.2	0.8	0.8	0.8	0.8	0.8	0.8
135.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
180.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
225.0	2.7	2.4	2.2	1.0	0.8	0.8	0.8	0.8	0.8	0.8
270.0	2.7	2.4	2.2	1.0	0.8	0.8	0.8	0.8	0.8	0.8
315.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
360.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

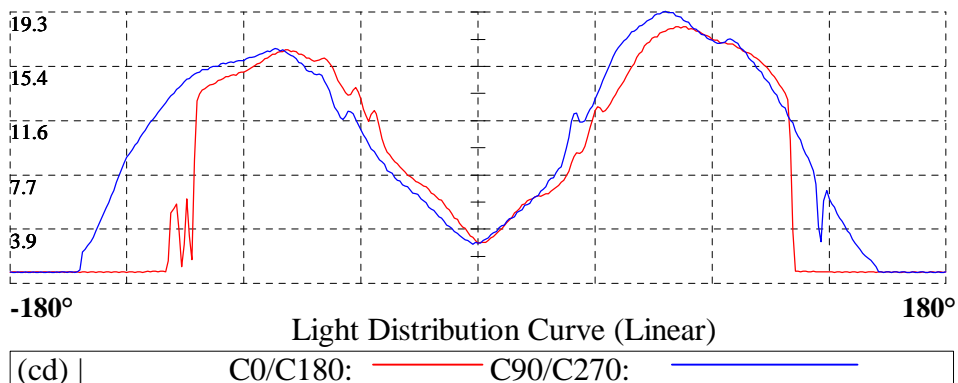
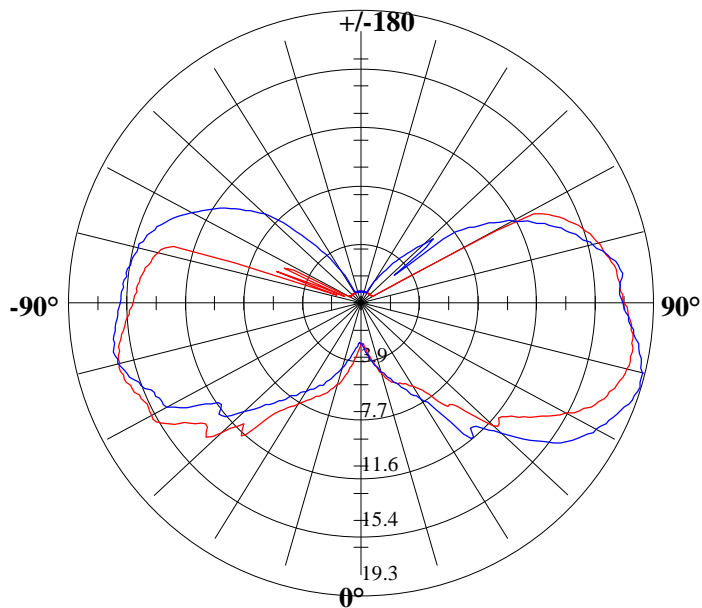
### Photometric Data Table [cd]

Cly	160.0	161.0	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0
0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
45.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
135.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
180.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
225.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
270.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
315.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
360.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

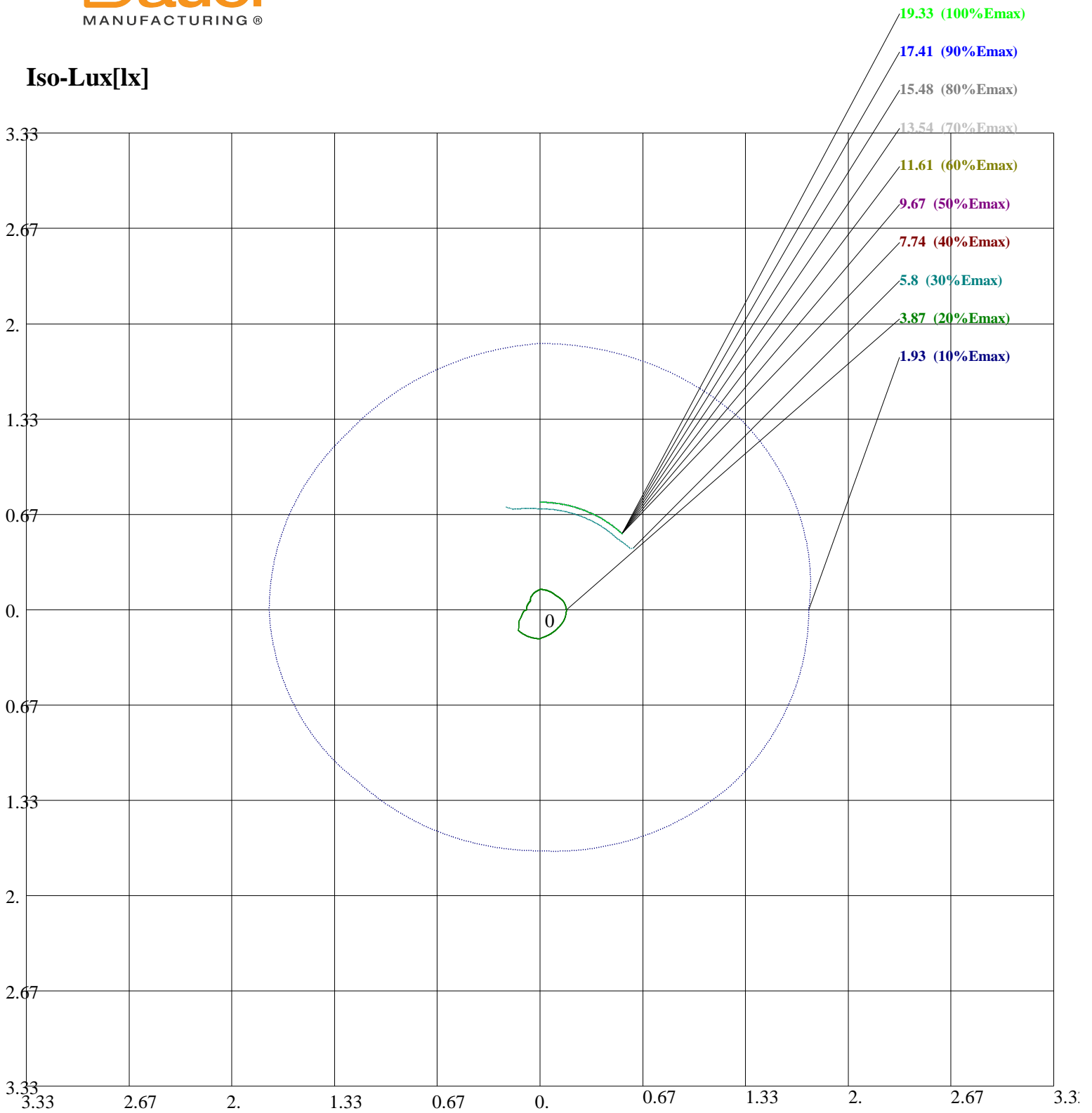
Cly	170.0	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
45.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
135.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
180.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
225.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
270.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
315.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
360.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

Cly	180.0
0.0	0.8
45.0	0.8
90.0	0.8
135.0	0.8
180.0	0.8
225.0	0.8
270.0	0.8
315.0	0.8
360.0	0.8

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



**Iso-Lux[lx]**



Height: 1 m  
Max Illuminance : 19.34lx



## Luminance Limiting Curve

Diameter: 200mm

Length: mm

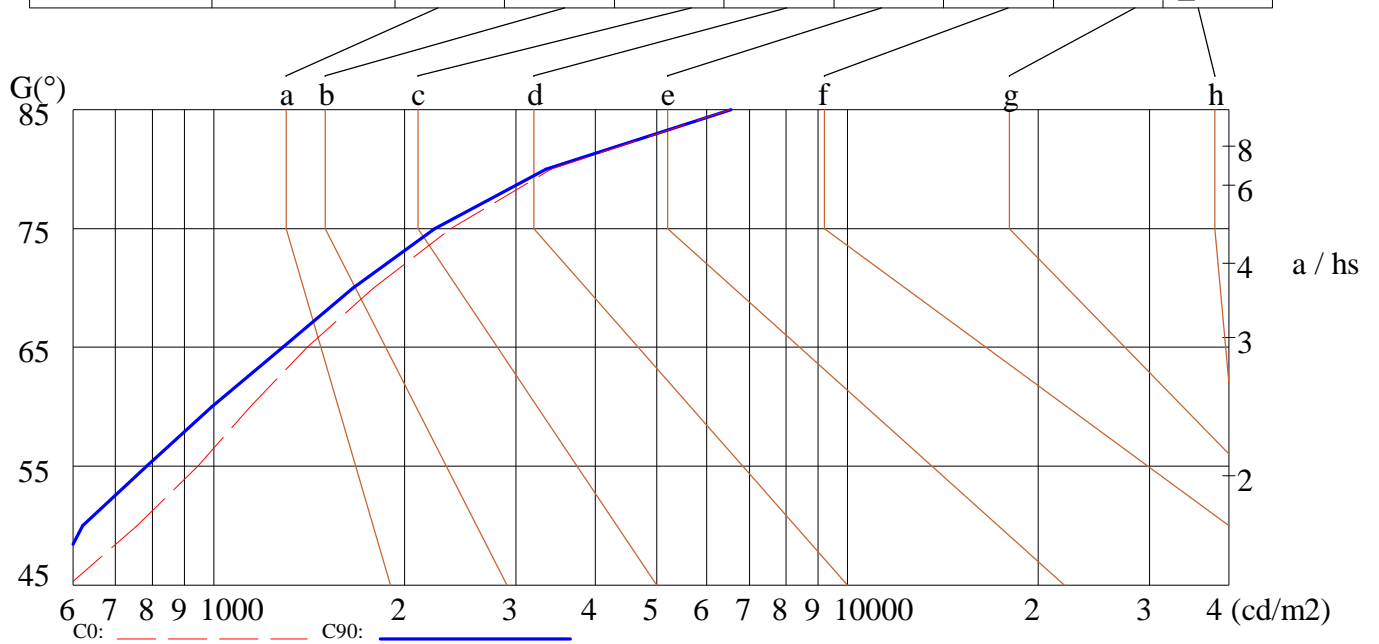
Width: 200mm

Height: mm

(cd/m<sup>2</sup>)

$\gamma$	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	590	757	945	1141	1406	1786	2367	3412	6528
C90	555	621	784	993	1286	1659	2231	3344	6547

Glare	Quality	Service Values Illuminance (lx)							
		2000	1000	500	≤300				
1.15	A								
1.5	B		2000	1000	500	≤300			
1.85	C			2000	1000	500	≤300		
2.2	D				2000	1000	500	≤300	
2.55	E					2000	1000	500	≤300



Lum. Limiting Curve (C0/C90)

Lux-Distance Curve

