

## Luminaire Property

Luminaire:

Report NO.:

Test NO.:

Lamp: [LAMP] NP-S1220-TW-10-CV

Sum Lumens: 493.09 lm

Number of Lamps: 1

Diameter: 0mm

Length: 1000mm

Photometric Type: Type C

Voltage: 24.0 V

Current: 0.4208 A

Power: 10.1 W

Power Factor: 1.000

Ballast Type:

Width: 12mm

Height: 20mm

Remark:

## Photometric Results

Lumens: 493.09 lm

Efficiency: 100%

Central Intensity: 158.795cd

Maximum Intensity: 159.58cd

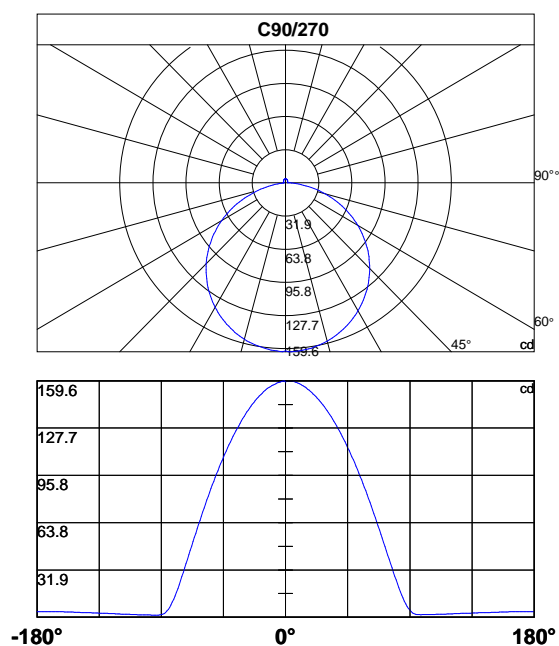
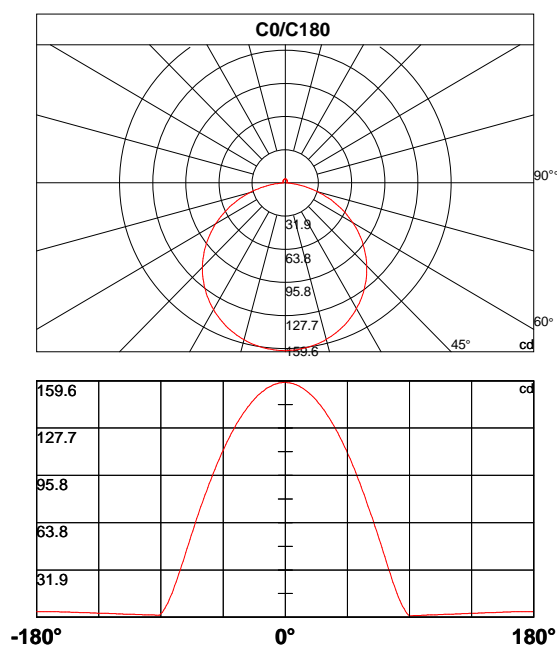
Beam Angle(10%): Left: -81.3 Right:81.6

Angle of maximum intensity: C:90.0 G:2.0

Half Peak Side Angle(50%): Left: -58.7 Right:58.2

Up Flux Rate: 2.97%

Down Flux Rate: 97.03%



**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
0.0	158.8	158.4	158.3	158.1	158.0	157.8	157.5	157.2	156.8	156.4
30.0	158.8	158.5	158.5	158.3	158.2	158.0	157.7	157.4	157.0	156.6
60.0	158.8	158.1	158.0	157.9	157.7	157.5	157.3	157.0	156.6	156.2
90.0	158.8	159.6	159.6	159.5	159.4	159.2	159.0	158.7	158.4	158.0
120.0	158.8	159.3	159.2	159.1	159.0	158.8	158.6	158.3	158.0	157.6
150.0	158.8	159.1	159.0	159.0	158.8	158.7	158.5	158.2	157.9	157.6
180.0	158.8	158.4	158.4	158.3	158.1	157.9	157.7	157.4	157.1	156.6
210.0	158.8	158.6	158.5	158.4	158.2	158.0	157.8	157.5	157.1	156.8
240.0	158.8	158.1	158.0	157.9	157.7	157.5	157.2	156.9	156.6	156.1
270.0	158.8	159.5	159.3	159.1	158.8	158.5	158.1	157.7	157.2	156.7
300.0	158.8	159.2	159.1	158.9	158.8	158.5	158.2	157.9	157.5	157.0
330.0	158.8	159.0	158.9	158.7	158.5	158.3	158.0	157.6	157.2	156.8
360.0	158.8	158.4	158.3	158.1	158.0	157.8	157.5	157.2	156.8	156.4

Cly	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	156.0	155.4	154.9	154.3	153.7	153.0	152.3	151.5	150.7	149.8
30.0	156.2	155.7	155.1	154.6	153.9	153.2	152.5	151.7	150.9	150.1
60.0	155.8	155.3	154.8	154.2	153.6	152.9	152.2	151.4	150.6	149.8
90.0	157.6	157.1	156.5	155.9	155.4	154.7	154.0	153.3	152.4	151.6
120.0	157.2	156.7	156.2	155.7	155.1	154.4	153.7	153.0	152.3	151.4
150.0	157.1	156.7	156.2	155.7	155.1	154.5	153.8	153.1	152.3	151.5
180.0	156.2	155.7	155.2	154.7	154.1	153.4	152.7	151.9	151.2	150.3
210.0	156.3	155.8	155.3	154.7	154.1	153.4	152.7	151.9	151.1	150.3
240.0	155.6	155.1	154.6	154.0	153.3	152.5	151.7	151.0	150.1	149.2
270.0	156.2	155.7	155.1	154.6	153.8	152.9	152.1	151.2	150.3	149.4
300.0	156.5	156.0	155.4	154.7	154.1	153.3	152.4	151.6	150.7	149.8
330.0	156.3	155.8	155.2	154.6	153.9	153.2	152.4	151.6	150.7	149.8
360.0	156.0	155.4	154.9	154.3	153.7	153.0	152.3	151.5	150.7	149.8

Cly	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	148.9	147.9	146.9	145.9	144.8	143.6	142.4	141.2	139.9	138.5
30.0	149.1	148.2	147.1	146.1	145.0	143.9	142.7	141.4	140.1	138.8
60.0	148.8	147.9	146.9	145.9	144.8	143.6	142.5	141.3	140.0	138.7
90.0	150.7	149.8	148.9	147.9	146.8	145.7	144.6	143.4	142.2	140.9
120.0	150.5	149.6	148.7	147.7	146.6	145.6	144.4	143.1	141.9	140.7
150.0	150.6	149.8	148.8	147.8	146.8	145.6	144.5	143.4	142.2	140.9
180.0	149.4	148.5	147.6	146.6	145.5	144.4	143.2	142.0	140.8	139.5
210.0	149.3	148.4	147.4	146.4	145.2	144.1	142.9	141.7	140.4	139.1
240.0	148.2	147.3	146.2	145.0	143.9	142.8	141.4	140.1	138.9	137.5
270.0	148.3	147.2	146.1	144.9	143.7	142.5	141.2	139.9	138.5	137.0
300.0	148.7	147.7	146.6	145.5	144.2	143.0	141.7	140.4	139.0	137.6
330.0	148.9	147.8	146.8	145.7	144.5	143.3	142.0	140.8	139.4	138.0
360.0	148.9	147.9	146.9	145.9	144.8	143.6	142.4	141.2	139.9	138.5

**Photometric Data Table [cd]**

Cly	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	137.2	135.8	134.3	132.7	131.2	129.6	127.9	126.2	124.4	122.7
30.0	137.4	136.1	134.6	133.1	131.5	129.9	128.3	126.6	124.9	123.1
60.0	137.4	136.0	134.5	133.0	131.5	130.0	128.4	126.7	125.0	123.2
90.0	139.5	138.2	136.8	135.3	133.8	132.3	130.7	129.1	127.4	125.7
120.0	139.4	138.0	136.6	135.1	133.7	132.1	130.5	128.8	127.2	125.5
150.0	139.5	138.2	136.8	135.3	133.8	132.3	130.7	129.1	127.4	125.7
180.0	138.1	136.8	135.3	133.9	132.4	130.8	129.1	127.5	125.8	124.0
210.0	137.7	136.3	134.9	133.3	131.8	130.2	128.6	126.8	125.1	123.3
240.0	136.1	134.6	133.1	131.5	129.9	128.3	126.6	124.8	123.1	121.3
270.0	135.6	134.0	132.4	130.9	129.2	127.5	125.8	124.0	122.2	120.2
300.0	136.2	134.7	133.1	131.5	129.9	128.2	126.4	124.6	122.8	120.9
330.0	136.6	135.1	133.5	132.0	130.4	128.7	127.0	125.3	123.5	121.6
360.0	137.2	135.8	134.3	132.7	131.2	129.6	127.9	126.2	124.4	122.7

Cly	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0
0.0	120.8	118.9	117.0	115.0	113.0	111.0	108.9	106.7	104.5	102.3
30.0	121.3	119.4	117.5	115.4	113.4	111.5	109.5	107.3	105.1	103.0
60.0	121.5	119.7	117.7	115.8	113.9	111.9	109.9	107.8	105.7	103.5
90.0	123.9	122.1	120.3	118.4	116.4	114.5	112.6	110.5	108.3	106.4
120.0	123.7	121.9	120.0	118.2	116.2	114.2	112.2	110.2	108.1	105.9
150.0	123.9	122.1	120.3	118.3	116.4	114.6	112.5	110.3	108.3	106.3
180.0	122.2	120.4	118.5	116.7	114.6	112.6	110.6	108.5	106.4	104.2
210.0	121.4	119.6	117.8	115.8	113.7	111.8	109.7	107.5	105.3	103.3
240.0	119.3	117.4	115.5	113.5	111.4	109.3	107.2	105.1	102.8	100.6
270.0	118.3	116.3	114.3	112.1	110.0	108.0	105.8	103.5	101.4	98.9
300.0	119.1	117.1	115.0	113.0	110.9	108.8	106.6	104.4	102.1	99.8
330.0	119.7	117.8	115.8	113.6	111.6	109.6	107.4	105.2	103.0	100.7
360.0	120.8	118.9	117.0	115.0	113.0	111.0	108.9	106.7	104.5	102.3

Cly	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	100.0	97.7	95.3	93.0	90.6	88.1	85.5	83.1	80.4	77.8
30.0	100.8	98.5	96.2	93.8	91.4	89.0	86.6	84.0	81.5	78.9
60.0	101.3	99.1	96.8	94.5	92.2	89.8	87.3	85.0	82.4	79.9
90.0	104.3	102.1	99.7	97.3	95.0	92.7	90.2	87.8	85.3	82.8
120.0	103.7	101.5	99.3	97.0	94.6	92.2	89.7	87.2	84.9	82.4
150.0	104.2	101.9	99.5	97.1	94.7	92.3	89.9	87.4	84.9	82.3
180.0	102.0	99.7	97.4	95.0	92.6	90.2	87.6	85.0	82.6	80.1
210.0	101.1	98.8	96.3	93.8	91.4	89.0	86.4	83.9	81.3	78.7
240.0	98.3	95.9	93.6	91.1	88.6	86.1	83.5	80.9	78.4	75.8
270.0	96.6	94.3	91.8	89.3	86.8	84.3	81.7	79.0	76.3	73.7
300.0	97.5	95.1	92.6	90.2	87.7	85.2	82.6	80.0	77.3	74.6
330.0	98.4	96.1	93.6	91.2	88.7	86.2	83.6	81.0	78.3	75.7
360.0	100.0	97.7	95.3	93.0	90.6	88.1	85.5	83.1	80.4	77.8

**Photometric Data Table [cd]**

Cly	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	75.1	72.3	69.7	67.0	64.2	61.3	58.4	55.6	52.8	49.8
30.0	76.2	73.7	70.9	68.1	65.5	62.7	59.9	57.0	54.2	51.3
60.0	77.3	74.6	71.9	69.3	66.5	63.5	60.7	57.9	55.0	52.0
90.0	80.3	77.7	75.1	72.4	69.8	67.1	64.3	61.6	58.8	56.0
120.0	79.7	77.2	74.6	71.9	69.2	66.5	63.7	60.8	58.0	55.1
150.0	79.7	77.1	74.5	71.8	69.1	66.3	63.6	60.7	57.9	55.1
180.0	77.4	74.8	72.1	69.4	66.6	63.9	61.0	58.1	55.3	52.4
210.0	76.1	73.3	70.6	67.9	65.1	62.3	59.5	56.6	53.7	50.8
240.0	73.0	70.3	67.7	64.8	62.0	59.3	56.4	53.4	50.6	47.6
270.0	70.9	68.2	65.3	62.4	59.7	56.8	53.9	51.0	48.1	45.1
300.0	71.9	69.1	66.4	63.6	60.8	57.8	55.0	52.1	49.2	46.2
330.0	72.9	70.3	67.4	64.5	61.8	58.9	56.1	53.1	50.3	47.3
360.0	75.1	72.3	69.7	67.0	64.2	61.3	58.4	55.6	52.8	49.8

Cly	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	46.8	44.0	41.0	38.0	35.0	32.2	29.4	26.5	23.7	21.1
30.0	48.5	45.5	42.5	39.5	36.6	33.6	30.8	27.8	25.1	22.3
60.0	49.2	46.3	43.6	40.6	37.6	34.9	32.2	29.4	26.8	24.2
90.0	53.3	50.5	47.6	44.7	42.1	39.2	36.4	33.4	30.4	27.7
120.0	52.3	49.2	46.2	43.4	40.6	37.7	34.8	32.0	29.2	26.6
150.0	52.1	49.3	46.5	43.6	40.6	37.6	34.8	31.9	29.0	26.4
180.0	49.6	46.5	43.6	40.8	38.0	35.0	32.1	29.3	26.4	23.8
210.0	47.8	44.9	41.9	39.0	36.0	33.1	30.3	27.5	24.7	22.1
240.0	44.8	41.8	38.8	36.0	33.2	30.2	27.4	24.7	21.9	19.4
270.0	42.1	39.1	36.2	33.3	30.4	27.5	24.7	21.9	19.3	16.7
300.0	43.3	40.3	37.3	34.4	31.5	28.7	25.9	23.0	20.5	18.0
330.0	44.4	41.3	38.5	35.5	32.7	29.7	26.9	24.1	21.4	18.6
360.0	46.8	44.0	41.0	38.0	35.0	32.2	29.4	26.5	23.7	21.1

Cly	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	18.5	16.0	13.6	11.4	9.3	7.5	5.8	4.3	2.9	1.7
30.0	19.7	17.2	14.9	12.6	10.5	8.6	6.8	5.4	4.1	3.1
60.0	21.6	19.1	16.6	14.4	12.2	10.3	8.5	6.9	5.4	4.3
90.0	25.2	22.5	19.9	17.3	15.1	13.0	10.9	8.9	7.3	5.9
120.0	23.9	21.4	18.9	16.5	14.3	12.2	10.2	8.5	6.9	5.5
150.0	23.8	21.0	18.3	15.9	13.7	11.5	9.5	7.8	6.4	5.1
180.0	21.2	18.5	16.1	13.9	11.6	9.6	7.8	6.2	4.7	3.3
210.0	19.5	16.9	14.5	12.4	10.3	8.4	6.4	4.9	3.8	2.9
240.0	16.9	14.5	12.3	10.3	8.4	6.6	5.2	4.1	3.2	2.6
270.0	14.3	12.2	10.2	8.3	6.6	5.2	4.1	3.2	2.5	2.0
300.0	15.5	13.2	11.0	9.1	7.4	6.0	4.8	3.7	2.9	2.3
330.0	16.1	13.8	11.7	9.6	7.7	6.2	4.8	3.8	2.9	2.3
360.0	18.5	16.0	13.6	11.4	9.3	7.5	5.8	4.3	2.9	1.7

**Photometric Data Table [cd]**

Cly	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0
0.0	1.1	1.0	1.1	1.1	1.1	1.1	1.2	1.2	1.3	1.3
30.0	2.4	1.9	1.5	1.4	1.3	1.2	1.2	1.3	1.3	1.3
60.0	3.3	2.6	2.1	1.8	1.5	1.4	1.4	1.4	1.4	1.4
90.0	4.7	3.7	2.9	2.4	2.1	1.9	1.8	1.7	1.7	1.7
120.0	4.4	3.6	3.0	2.5	2.1	1.9	1.7	1.7	1.7	1.7
150.0	4.0	3.1	2.5	2.1	1.8	1.6	1.6	1.6	1.6	1.6
180.0	2.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.6
210.0	2.3	1.8	1.7	1.6	1.5	1.5	1.5	1.6	1.6	1.6
240.0	2.2	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
270.0	1.7	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5
300.0	1.9	1.6	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4
330.0	1.9	1.6	1.5	1.4	1.3	1.3	1.3	1.3	1.3	1.3
360.0	1.1	1.0	1.1	1.1	1.1	1.1	1.2	1.2	1.3	1.3

Cly	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0	108.0	109.0
0.0	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.7
30.0	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.7
60.0	1.4	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.7
90.0	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9
120.0	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9
150.0	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9
180.0	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9
210.0	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9
240.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9
270.0	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.8
300.0	1.4	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.7
330.0	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.7
360.0	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.7

Cly	110.0	111.0	112.0	113.0	114.0	115.0	116.0	117.0	118.0	119.0
0.0	1.7	1.7	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0
30.0	1.7	1.7	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0
60.0	1.7	1.7	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0
90.0	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.3
120.0	1.9	2.0	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.3
150.0	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2
180.0	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.2	2.2
210.0	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.2	2.2
240.0	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.3
270.0	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.2
300.0	1.7	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.1
330.0	1.7	1.7	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0
360.0	1.7	1.7	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0

**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	2.1	2.1	2.1	2.2	2.2	2.3	2.3	2.3	2.4	2.4
30.0	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.4	2.4
60.0	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.4	2.4	2.4
90.0	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6
120.0	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6
150.0	2.3	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.5	2.6
180.0	2.3	2.3	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.5
210.0	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5
240.0	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6
270.0	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.5	2.5	2.5
300.0	2.1	2.1	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.4
330.0	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.4
360.0	2.1	2.1	2.1	2.2	2.2	2.3	2.3	2.3	2.4	2.4

Cly	130.0	131.0	132.0	133.0	134.0	135.0	136.0	137.0	138.0	139.0
0.0	2.4	2.5	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.8
30.0	2.5	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.8	2.8
60.0	2.5	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.8	2.8
90.0	2.6	2.7	2.7	2.8	2.8	2.8	2.8	2.9	2.9	2.9
120.0	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9
150.0	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.9	2.9
180.0	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.9
210.0	2.6	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.9
240.0	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9
270.0	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.9
300.0	2.5	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.8	2.8
330.0	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7
360.0	2.4	2.5	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.8

Cly	140.0	141.0	142.0	143.0	144.0	145.0	146.0	147.0	148.0	149.0
0.0	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.0	3.1	3.1
30.0	2.8	2.9	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.1
60.0	2.8	2.9	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.2
90.0	3.0	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2	3.3
120.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2
150.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2
180.0	2.9	3.0	3.0	3.0	3.0	3.1	3.1	3.2	3.2	3.2
210.0	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.2	3.2
240.0	3.0	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2	3.2
270.0	2.9	3.0	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.3
300.0	2.8	2.9	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.1
330.0	2.8	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.1	3.1
360.0	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.0	3.1	3.1

**Photometric Data Table [cd]**

Cly	150.0	151.0	152.0	153.0	154.0	155.0	156.0	157.0	158.0	159.0
0.0	3.2	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.5
30.0	3.2	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.5
60.0	3.2	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.5
90.0	3.3	3.3	3.3	3.4	3.4	3.4	3.5	3.5	3.5	3.5
120.0	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.5	3.5	3.5
150.0	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.5	3.5	3.5
180.0	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.5	3.5	3.5
210.0	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.5	3.5
240.0	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.5	3.5	3.5
270.0	3.3	3.3	3.3	3.4	3.4	3.5	3.5	3.5	3.5	3.6
300.0	3.2	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.5
330.0	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4
360.0	3.2	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.5

Cly	160.0	161.0	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0
0.0	3.5	3.5	3.5	3.6	3.6	3.6	3.7	3.7	3.7	3.7
30.0	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.7	3.7	3.7
60.0	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.7	3.7	3.7
90.0	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.7
120.0	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.7
150.0	3.5	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.7
180.0	3.5	3.5	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.7
210.0	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.7	3.7
240.0	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.7
270.0	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.8	3.8
300.0	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.7	3.7	3.7
330.0	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.7	3.7	3.7
360.0	3.5	3.5	3.5	3.6	3.6	3.6	3.7	3.7	3.7	3.7

Cly	170.0	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
30.0	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
60.0	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
90.0	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
120.0	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8
150.0	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8
180.0	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8
210.0	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8
240.0	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8
270.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9
300.0	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8
330.0	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
360.0	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8

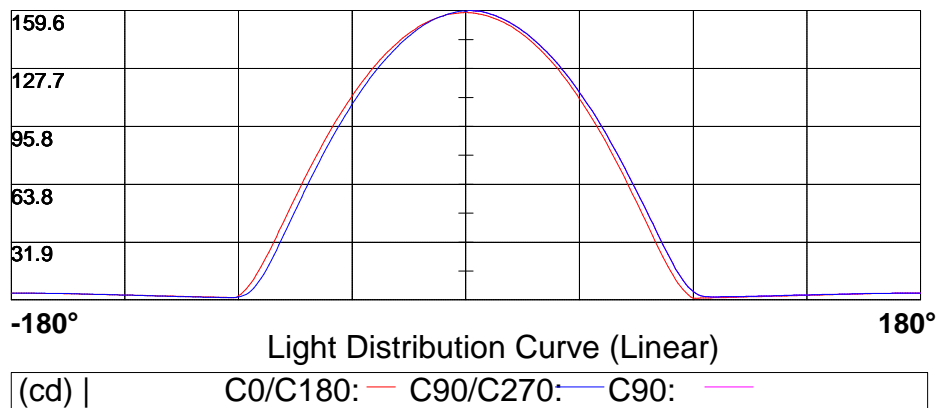
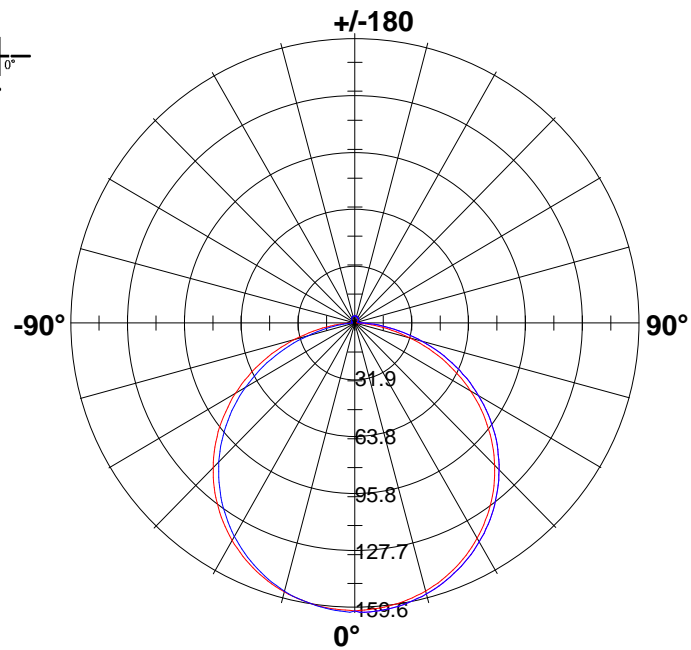
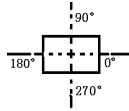
**Photometric Data Table [cd]**

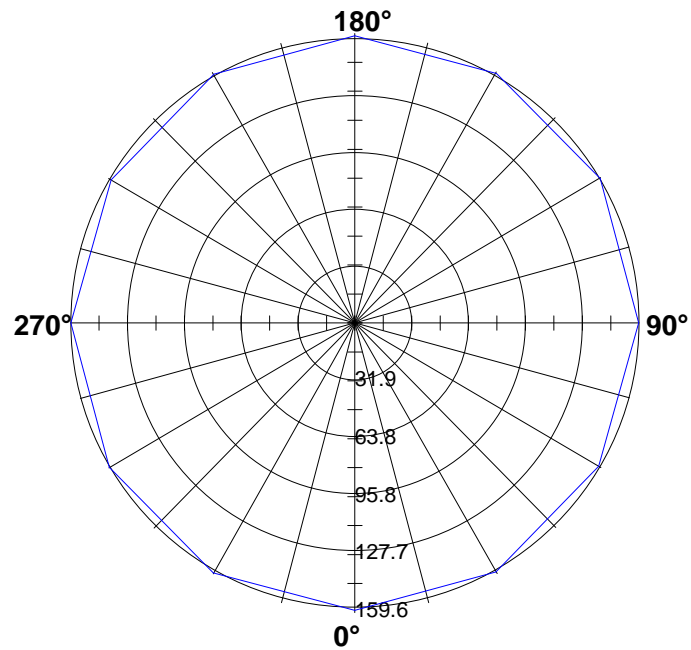
<b>C\γ</b>	<b>180.0</b>
<b>0.0</b>	3.8
<b>30.0</b>	3.8
<b>60.0</b>	3.8
<b>90.0</b>	3.8
<b>120.0</b>	3.8
<b>150.0</b>	3.8
<b>180.0</b>	3.8
<b>210.0</b>	3.8
<b>240.0</b>	3.8
<b>270.0</b>	3.8
<b>300.0</b>	3.8
<b>330.0</b>	3.8
<b>360.0</b>	3.8



## Light Distribution Curve [Unit: cd]

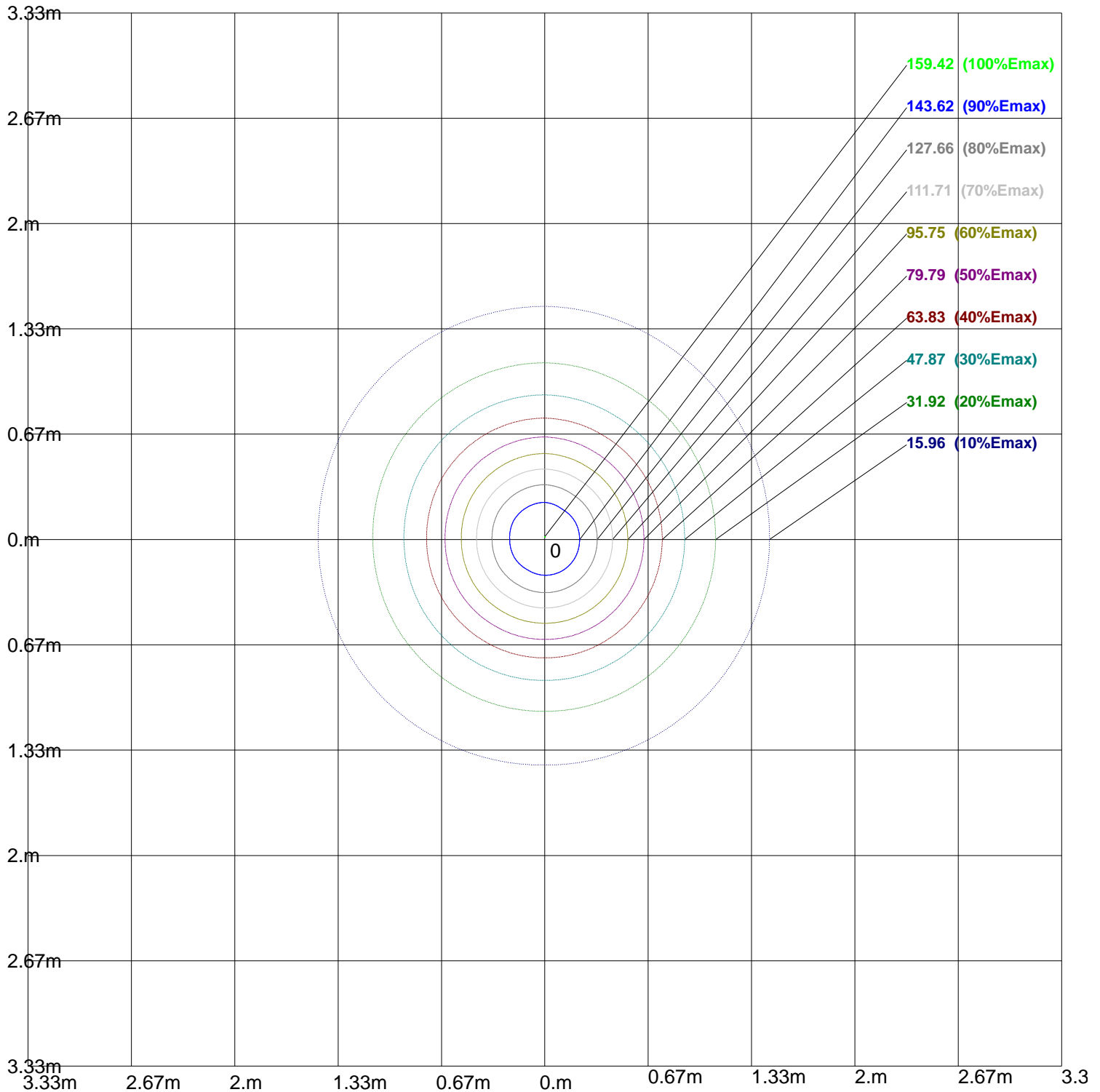
Luminaire



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

159.6							
127.7							
95.8							
63.8							
31.9							
-180°	Light Distribution Curve (Linear)						180°
(cd)	γ2: <span style="color: blue;">—</span>						

## Iso-Lux[lx]



Height: 1 m  
Max Illuminance : 159.58lx

## Luminance Limiting Curve

Diameter: 0mm

Length: 1000mm

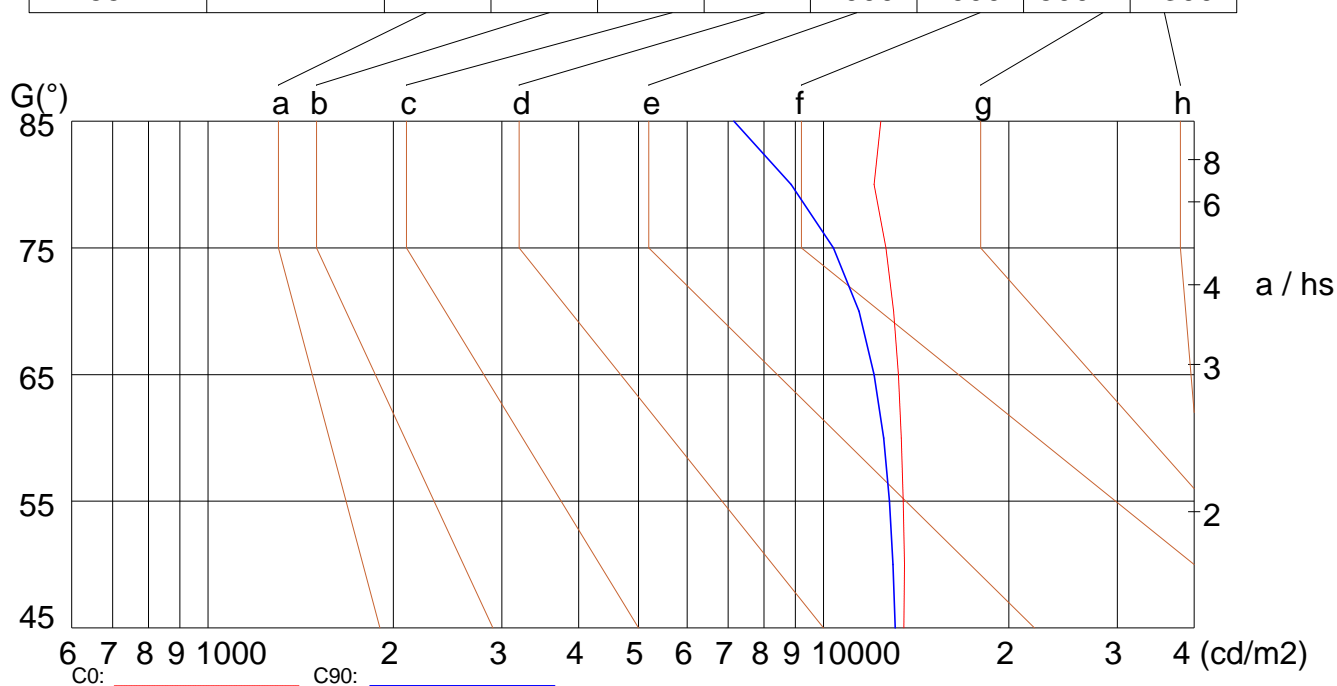
Width: 12mm

Height: 20mm

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

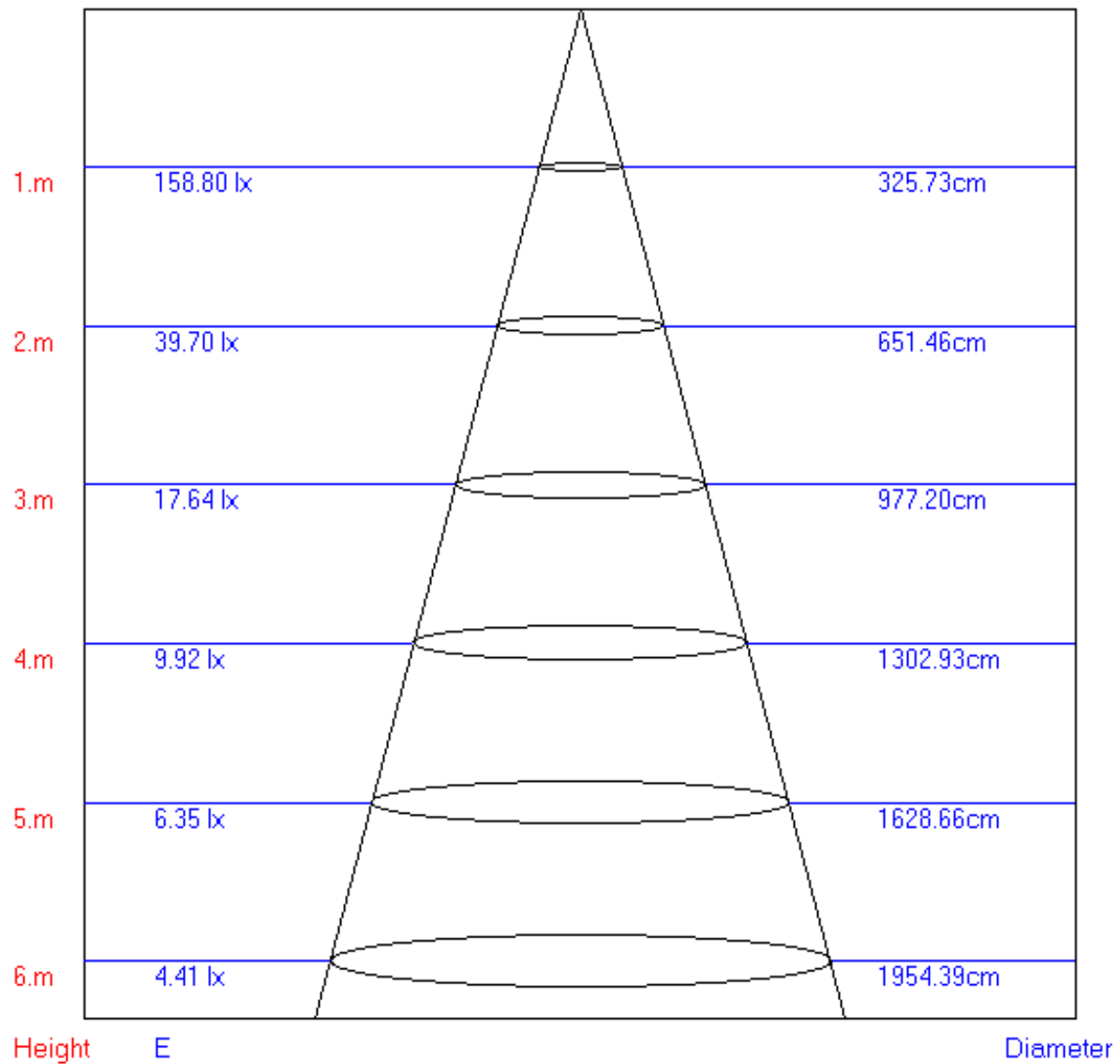
$\gamma$	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	13494	13527	13461	13378	13225	12989	12631	12084	12392
C90	13080	12968	12794	12520	12077	11413	10377	8864	7152

Glare	Quality	Service Values Illuminance (lx)							
1.15	A	2000	1000	500	≤300				
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



Beam Angle:116.40°

## 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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.04	1.02	1.01	1.03	1.01	0.99	0.99	0.97	0.95	0.95	0.92	0.90	0.88	0.86	0.83	0.78
2	0.88	0.86	0.84	0.88	0.85	0.82	0.86	0.82	0.79	0.82	0.78	0.75	0.78	0.74	0.70	0.65
3	0.76	0.73	0.71	0.76	0.72	0.70	0.75	0.70	0.67	0.72	0.67	0.63	0.69	0.64	0.60	0.55
4	0.66	0.63	0.61	0.66	0.62	0.60	0.66	0.61	0.57	0.64	0.59	0.54	0.62	0.56	0.51	0.47
5	0.58	0.55	0.53	0.58	0.54	0.52	0.58	0.53	0.50	0.58	0.52	0.47	0.56	0.50	0.45	0.41
6	0.51	0.48	0.46	0.52	0.48	0.46	0.52	0.47	0.44	0.52	0.46	0.42	0.52	0.45	0.40	0.36
7	0.46	0.43	0.41	0.46	0.43	0.41	0.47	0.42	0.39	0.48	0.42	0.37	0.47	0.41	0.35	0.32
8	0.41	0.39	0.37	0.42	0.39	0.37	0.43	0.38	0.35	0.44	0.38	0.34	0.44	0.37	0.32	0.29
9	0.38	0.35	0.34	0.38	0.35	0.33	0.40	0.35	0.32	0.40	0.35	0.31	0.41	0.34	0.29	0.26
10	0.34	0.32	0.31	0.35	0.32	0.30	0.37	0.32	0.29	0.38	0.32	0.28	0.38	0.32	0.27	0.24

