

## Luminaire Property

Luminaire:

Report NO.:

Test NO.:

Lamp: [LAMP] 200W-90D

Sum Lumens: 24928.3 lm

Number of Lamps: 1

Diameter: 0mm

Length: 500mm

Photometric Type: Type C

Voltage: 221.8 V

Current: 0.9453 A

Power: 201.7 W

Power Factor: 0.962

Ballast Type:

Width: 500mm

Height: 155mm

Remark:

## Photometric Results

Lumens: 24928.30 lm

Efficiency: 100%

Central Intensity: 12510.64cd

Maximum Intensity: 13774.85cd

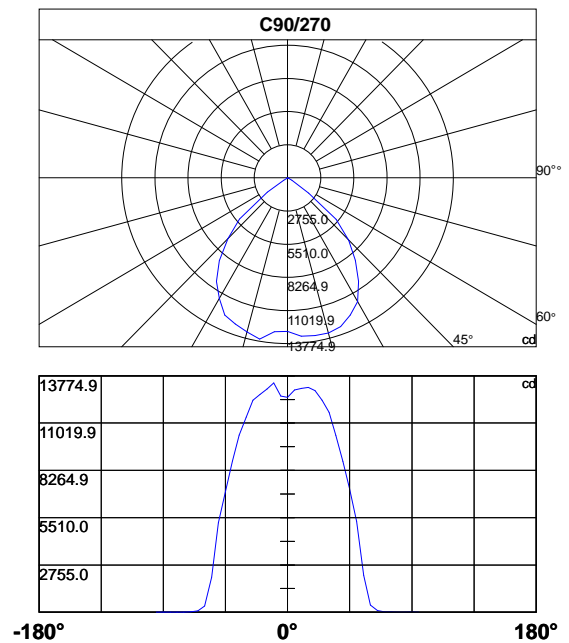
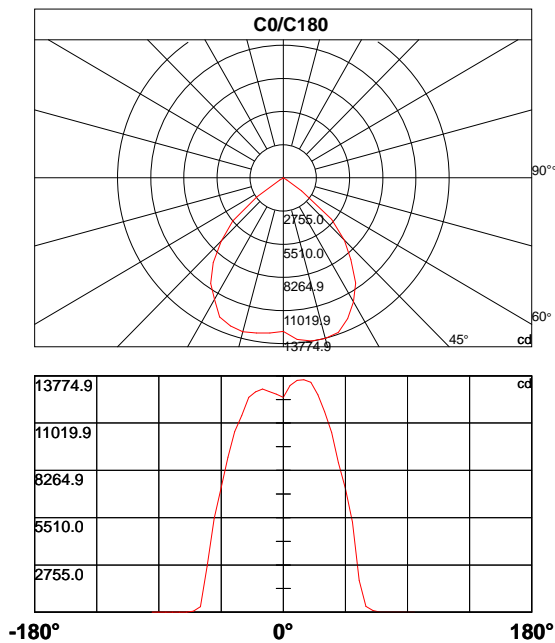
Beam Angle(10%): Left: -67.5 Right:46.4

Angle of maximum intensity: C:10.0 G:10.0

Half Peak Side Angle(50%): Left: -56.0 Right:35.6

Up Flux Rate: 0.01%

Down Flux Rate: 99.99%



**Photometric Data Table [cd]**

Cly	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
0.0	12510.6	13216.1	13518.3	13543.9	13389.0	12669.7	11673.5	10469.6	8718.1	7207.7
5.0	12510.6	13094.3	13576.9	13421.7	13223.8	12802.1	11506.0	10472.0	8913.5	6997.2
10.0	12510.6	12965.7	13774.8	13434.5	13220.9	12507.0	11605.3	10481.3	8821.2	7115.2
15.0	12510.6	13053.5	13662.3	13477.4	13259.4	12519.5	11808.2	10359.7	8777.8	7201.4
20.0	12510.6	13158.7	13524.3	13362.8	13156.5	12547.1	11931.5	10391.9	9017.3	7208.3
25.0	12510.6	13125.5	13352.3	13386.1	13201.1	12703.6	11782.5	10427.2	8791.7	7119.9
30.0	12510.6	13154.0	13300.9	13132.2	13136.4	12573.0	11764.9	10399.3	8970.4	7158.1
35.0	12510.6	13113.3	13500.8	13165.4	13351.8	12493.5	11529.2	10282.0	8937.9	7221.6
40.0	12510.6	13136.7	13209.4	13412.7	13290.6	12471.6	11586.3	10454.8	8894.0	7332.6
45.0	12510.6	13075.2	13111.3	13480.1	13361.6	12527.8	11614.8	10416.1	8996.2	7293.4
50.0	12510.6	13194.5	13220.7	13435.1	13291.5	12662.1	11508.8	10462.9	8904.9	7296.6
55.0	12510.6	13221.7	13099.6	13265.1	13281.2	12686.3	11410.9	10288.7	8986.5	7178.2
60.0	12510.6	13206.8	13100.2	13272.1	13069.5	12559.4	11478.5	10448.2	8865.3	7216.8
65.0	12510.6	13114.0	13251.8	13272.1	13116.6	12627.6	11558.2	10429.5	8853.4	7198.4
70.0	12510.6	13194.2	13247.5	13376.9	13023.7	12478.4	11752.2	10261.5	8955.6	7155.9
75.0	12510.6	13098.5	13239.0	13130.2	13110.4	12348.2	11792.9	10348.7	8989.3	7172.5
80.0	12510.6	13049.2	13255.5	13049.4	12910.7	12441.3	11445.7	10379.0	8931.5	7299.0
85.0	12510.6	12967.4	13107.0	12986.0	13090.7	12346.6	11445.3	10388.7	8888.0	7258.5
90.0	12510.6	12950.5	13053.0	13091.1	12906.9	12347.3	11641.0	10305.6	8781.5	7187.2
95.0	12510.6	13058.9	13000.5	13173.8	13094.7	12375.1	11372.1	10321.7	8838.9	7318.6
100.0	12510.6	12960.0	12930.5	13287.3	13136.4	12577.6	11261.1	10323.5	8717.9	7137.0
105.0	12510.6	13049.5	13029.7	13078.8	12970.3	12381.6	11380.0	10512.2	8776.1	7362.4
110.0	12510.6	13141.9	12923.0	12949.0	13072.5	12417.6	11580.7	10572.6	8974.5	7378.9
115.0	12510.6	13109.2	12937.5	12957.3	13047.1	12291.8	11603.8	10397.4	8871.6	7225.2
120.0	12510.6	12945.2	13124.7	12944.3	13040.3	12459.8	11479.2	10458.3	8968.6	7385.9
125.0	12510.6	13061.8	13094.0	12947.4	12814.4	12420.8	11563.9	10283.4	8783.0	7264.7
130.0	12510.6	12950.1	13032.2	13031.1	12954.9	12545.5	11574.5	10251.1	8961.7	7389.5
135.0	12510.6	12997.1	12948.0	13174.4	13020.0	12427.6	11472.6	10367.3	8938.8	7199.5
140.0	12510.6	12969.5	12943.5	12975.6	13088.1	12396.8	11625.3	10275.8	9051.3	7149.5
145.0	12510.6	12996.8	12980.6	13119.5	12885.5	12464.7	11506.0	10325.2	9124.3	7271.3
150.0	12510.6	12928.0	12866.1	13135.4	13044.8	12445.2	11399.1	10370.2	8942.2	7280.9
155.0	12510.6	12763.1	13015.0	12976.0	12923.5	12370.0	11441.1	10375.3	8825.2	7231.0
160.0	12510.6	12861.0	12853.4	12984.9	13036.3	12210.4	11558.8	10285.5	9030.2	7365.8
165.0	12510.6	12802.9	12835.5	13129.4	12977.9	12396.6	11641.0	10417.7	8859.8	7160.6
170.0	12510.6	12847.4	12917.5	13067.6	12818.6	12257.9	11667.5	10367.8	9012.5	7292.2
175.0	12510.6	12766.2	13002.4	13144.2	12874.6	12371.3	11343.8	10441.5	9088.2	7290.9
180.0	12510.6	12706.1	12858.9	12992.3	12833.0	12524.5	11448.0	10515.6	9035.1	7276.4
185.0	12510.6	12755.8	12916.2	12984.1	12736.0	12337.7	11771.4	10476.2	9024.3	7277.0
190.0	12510.6	12719.8	12993.6	13037.3	12869.5	12523.8	11632.4	10396.0	9034.5	7238.9
195.0	12510.6	12722.4	12976.5	13218.4	12662.8	12417.3	11499.3	10342.4	9077.6	7252.9
200.0	12510.6	12603.9	13029.7	13258.8	12952.8	12493.3	11513.6	10544.4	8966.2	7217.5
205.0	12510.6	12698.1	12769.7	13182.0	12799.8	12429.4	11476.7	10318.2	8802.3	7064.4
210.0	12510.6	12845.3	12745.3	12945.9	12933.6	12414.9	11589.0	10331.5	8934.5	7135.0
215.0	12510.6	12878.7	12635.3	13123.5	12777.7	12367.9	11731.3	10257.8	8889.3	7292.3
220.0	12510.6	12947.9	12812.1	13159.5	12799.8	12378.1	11630.7	10214.3	8968.0	7186.4
225.0	12510.6	12903.4	12582.5	13145.6	12832.7	12216.3	11362.0	10152.5	8957.2	7175.8
230.0	12510.6	12779.5	12812.8	13070.4	12877.9	12328.5	11573.8	10275.8	8925.5	7240.0
235.0	12510.6	12803.2	12860.5	13036.0	13018.9	12398.0	11714.5	10379.5	8869.9	7255.5

**Photometric Data Table [cd]**

<b>240.0</b>	12510.6	12712.2	12921.3	13053.9	12818.5	12250.8	11370.6	10191.5	8812.6	7126.9
<b>245.0</b>	12510.6	12811.2	12757.7	12948.4	12737.4	12179.0	11462.1	10345.7	8841.0	7033.0
<b>250.0</b>	12510.6	12742.5	12717.1	12991.3	12663.3	12279.0	11555.0	10362.7	8737.7	7137.3
<b>255.0</b>	12510.6	12713.0	12833.2	12951.3	12811.1	12339.5	11202.9	10345.7	8742.2	6948.4
<b>260.0</b>	12510.6	12702.0	12832.1	12747.3	12756.5	12214.6	11211.1	10285.3	8757.9	6993.7
<b>265.0</b>	12510.6	12566.9	13175.1	12957.3	12799.0	12485.8	11338.6	10331.5	8759.3	7179.8
<b>270.0</b>	12510.6	12597.7	13352.3	13013.5	12687.0	12353.5	11354.1	10318.7	8818.0	7017.5
<b>275.0</b>	12510.6	12509.2	13369.9	13069.9	12935.1	12352.2	11304.9	10230.2	8722.8	6977.9
<b>280.0</b>	12510.6	12688.9	13315.4	13296.9	12896.6	12399.1	11434.6	10233.2	8740.5	6931.6
<b>285.0</b>	12510.6	12737.2	13111.2	13318.1	13045.8	12156.3	11432.4	10256.5	8774.0	7106.0
<b>290.0</b>	12510.6	12931.0	13010.4	13269.6	13127.2	12323.9	11361.2	10150.0	8808.6	7089.4
<b>295.0</b>	12510.6	12971.1	12739.7	13265.8	13078.2	12444.3	11477.0	10204.9	8787.6	7165.1
<b>300.0</b>	12510.6	13036.8	12807.7	13308.7	13004.8	12504.6	11435.4	10292.1	8969.7	7153.8
<b>305.0</b>	12510.6	12997.1	12889.8	13258.4	12963.4	12552.8	11619.9	10269.5	8746.2	6937.3
<b>310.0</b>	12510.6	13052.9	12755.2	13482.1	13211.8	12493.3	11662.0	10249.0	8794.8	7053.7
<b>315.0</b>	12510.6	13402.5	12859.9	13457.9	13008.8	12556.4	11618.1	10327.5	8798.7	7083.0
<b>320.0</b>	12510.6	13474.7	13139.6	13486.9	13238.5	12617.8	11715.9	10233.4	8972.8	7180.0
<b>325.0</b>	12510.6	13522.6	13282.3	13273.6	13235.9	12578.1	11708.0	10169.1	8830.8	7166.7
<b>330.0</b>	12510.6	13586.5	13137.8	13355.7	13345.3	12551.9	11716.7	10339.4	8994.6	7130.5
<b>335.0</b>	12510.6	13410.2	13163.3	13485.1	13278.0	12488.6	11591.3	10282.0	8942.6	7191.1
<b>340.0</b>	12510.6	13560.7	13433.8	13591.4	13209.3	12361.3	11757.8	10289.1	8942.3	7065.8
<b>345.0</b>	12510.6	13407.0	13377.6	13445.8	13272.8	12854.8	11718.9	10470.8	9027.2	7147.9
<b>350.0</b>	12510.6	13134.9	13552.6	13465.7	13156.7	12655.8	11665.3	10225.6	8741.8	7023.5
<b>355.0</b>	12510.6	13177.6	13615.7	13421.0	13245.9	12593.0	11764.4	10389.4	8962.7	7115.9
<b>360.0</b>	12510.6	13216.1	13518.3	13543.9	13389.0	12669.7	11673.5	10469.6	8718.1	7207.7

Cly	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
<b>0.0</b>	5246.8	1847.7	348.4	107.7	10.7	0.0	0.0	3.6	7.3	0.0
<b>5.0</b>	5081.4	1975.3	359.0	62.8	13.7	0.0	0.0	0.0	11.0	0.0
<b>10.0</b>	5135.1	1771.9	327.5	111.5	13.0	5.7	0.0	0.0	3.7	0.0
<b>15.0</b>	5121.1	1865.2	390.4	76.5	5.8	0.0	0.0	0.0	7.3	0.0
<b>20.0</b>	5171.4	1850.3	376.9	76.8	18.1	3.4	6.5	7.2	10.9	0.0
<b>25.0</b>	5213.2	1968.3	379.8	90.3	16.6	2.7	0.0	0.0	7.3	0.0
<b>30.0</b>	5180.9	2042.3	348.6	62.9	10.1	0.0	5.9	7.2	14.8	0.0
<b>35.0</b>	5209.3	1857.9	377.1	96.8	18.9	2.7	3.6	0.0	10.7	0.0
<b>40.0</b>	5188.9	1812.2	373.7	90.2	18.8	2.7	0.0	3.6	7.3	0.0
<b>45.0</b>	5237.9	2043.8	426.2	93.8	16.6	0.0	0.0	0.0	7.3	0.0
<b>50.0</b>	5163.2	2050.4	380.6	118.8	15.9	12.2	0.0	13.7	14.7	0.0
<b>55.0</b>	5098.7	2118.7	398.9	101.5	10.1	3.4	0.0	0.0	11.1	0.0
<b>60.0</b>	5145.6	2119.7	426.8	94.4	6.5	3.4	10.1	3.6	3.7	0.0
<b>65.0</b>	5366.8	2064.2	398.6	110.2	17.2	2.7	0.0	14.3	0.0	0.0
<b>70.0</b>	5219.4	2138.2	348.7	80.3	23.7	16.3	10.7	7.2	18.4	0.0
<b>75.0</b>	5118.6	2121.5	395.4	86.8	13.7	13.6	10.1	7.2	3.7	0.0
<b>80.0</b>	5148.2	2136.6	371.1	93.6	15.9	7.1	0.0	20.2	7.4	0.0
<b>85.0</b>	5150.8	2108.1	384.6	115.5	31.6	14.3	3.6	3.6	11.1	0.0
<b>90.0</b>	5283.4	2144.2	417.0	99.9	17.2	20.0	7.3	10.7	18.2	0.0
<b>95.0</b>	5209.0	2215.1	381.6	75.3	26.6	16.6	10.7	17.5	7.4	0.0
<b>100.0</b>	5211.7	2286.9	381.8	102.3	17.9	20.0	10.1	10.7	7.4	0.0

**Photometric Data Table [cd]**

105.0	5235.9	2290.4	378.2	76.8	20.9	2.7	10.1	3.6	11.1	0.0
110.0	5347.7	2401.1	431.2	72.5	17.2	12.2	0.0	10.7	11.0	0.0
115.0	5314.4	2411.9	454.6	98.0	23.9	9.9	0.0	3.6	11.0	0.0
120.0	5247.4	2455.1	367.6	86.0	28.9	17.7	0.0	7.2	18.2	0.0
125.0	5390.1	2389.5	449.0	79.1	15.9	7.1	3.6	10.7	14.7	0.0
130.0	5320.5	2490.7	368.1	65.8	9.4	6.4	0.0	10.7	14.7	0.0
135.0	5330.4	2619.1	392.4	82.9	20.4	7.1	2.9	17.9	0.0	0.0
140.0	5492.2	2565.8	392.4	69.1	9.4	2.7	0.0	3.6	14.7	0.0
145.0	5471.5	2692.1	428.6	76.1	6.5	6.4	3.6	3.6	7.3	0.0
150.0	5361.0	2702.9	388.5	76.6	13.0	5.7	2.9	0.0	0.0	0.0
155.0	5453.7	2494.2	394.6	65.7	5.8	0.0	0.0	7.2	0.0	0.0
160.0	5435.5	2466.8	360.2	72.6	18.1	2.7	0.0	3.6	14.7	0.0
165.0	5456.8	2634.0	325.8	65.6	5.8	5.7	2.9	3.6	0.0	0.0
170.0	5478.6	2573.4	345.2	73.1	0.0	0.0	0.0	0.0	3.7	0.0
175.0	5460.6	2559.1	356.4	73.1	0.0	2.7	0.0	0.0	0.0	0.0
180.0	5462.0	2698.3	314.8	58.1	0.0	0.0	0.0	0.0	0.0	0.0
185.0	5410.4	2541.2	307.2	58.7	13.0	0.0	0.0	2.9	3.7	0.0
190.0	5543.5	2394.6	346.4	87.3	21.7	0.0	0.0	3.6	3.6	0.0
195.0	5425.3	2533.1	339.8	58.1	18.8	0.0	0.0	3.6	7.4	0.0
200.0	5374.3	2652.1	331.9	60.5	10.1	5.7	0.0	0.0	10.3	0.0
205.0	5353.4	2558.8	322.1	41.5	9.4	0.0	0.0	0.0	0.0	0.0
210.0	5407.5	2452.0	343.6	76.1	5.8	0.0	0.0	0.0	0.0	0.0
215.0	5254.0	2505.9	377.8	55.4	13.7	2.7	0.0	0.0	0.0	0.0
220.0	5186.1	2369.4	371.8	96.6	14.5	3.4	0.0	0.0	0.0	0.0
225.0	5206.8	2340.8	367.6	65.7	10.1	0.0	0.0	0.0	3.7	0.0
230.0	5182.7	2259.1	335.9	75.8	5.8	2.7	6.5	0.0	0.0	0.0
235.0	5260.3	2255.4	357.8	75.8	13.0	5.7	3.6	0.0	0.0	0.0
240.0	5142.8	2218.8	321.7	79.9	6.5	17.0	0.0	3.6	3.7	0.0
245.0	5114.8	2372.9	402.4	90.5	8.8	2.7	13.7	0.0	0.0	0.0
250.0	5294.0	2293.5	353.3	48.3	13.7	12.9	16.6	3.6	0.0	0.0
255.0	5042.9	2108.2	323.1	24.7	20.8	7.1	6.5	3.6	3.7	0.0
260.0	5064.2	2268.6	363.9	42.3	33.2	10.5	6.8	13.7	11.1	0.0
265.0	5140.8	2195.8	374.5	87.1	19.8	15.9	14.3	7.2	10.9	0.0
270.0	5207.1	2042.6	367.9	71.6	19.5	9.9	13.7	3.6	3.7	0.0
275.0	5044.3	2035.9	381.0	86.3	23.1	9.9	3.6	3.6	3.7	0.0
280.0	5030.7	2115.4	345.8	28.2	26.6	3.4	10.1	6.5	3.7	0.0
285.0	5092.0	2054.9	287.6	28.1	29.2	0.0	0.0	0.0	0.0	0.0
290.0	4902.4	1986.6	311.1	58.3	13.7	6.4	3.6	0.0	3.7	0.0
295.0	4952.1	1843.4	321.5	75.9	10.1	9.1	0.0	3.2	7.3	0.0
300.0	4988.2	1855.0	342.8	86.7	16.6	6.4	5.8	3.6	0.0	0.0
305.0	4959.2	1854.4	339.2	65.8	10.1	5.7	3.6	0.0	0.0	0.0
310.0	5163.4	1922.6	335.1	79.6	12.3	6.4	0.0	0.0	11.0	0.0
315.0	5096.4	1782.0	289.2	96.1	0.0	0.0	0.0	3.6	0.0	0.0
320.0	5139.0	1897.1	345.3	73.6	7.2	3.4	0.0	7.2	0.0	0.0
325.0	5010.2	1911.5	285.5	83.3	6.5	0.0	7.2	3.6	0.0	0.0
330.0	5180.6	1933.1	327.8	58.8	6.5	3.4	0.0	0.0	3.6	0.0
335.0	5271.5	1815.1	397.3	48.8	6.5	2.7	0.0	3.6	11.0	0.0
340.0	5066.5	1858.1	351.5	59.3	2.9	2.7	0.0	0.0	14.4	0.0
345.0	5098.8	1818.4	329.8	104.6	3.6	0.0	0.0	0.0	0.0	0.0

**Photometric Data Table [cd]**

<b>350.0</b>	5267.7	1792.9	303.1	83.7	7.2	3.4	3.6	7.2	11.0	0.0
<b>355.0</b>	5110.9	1801.8	306.2	83.3	7.2	0.0	0.0	3.6	10.9	0.0
<b>360.0</b>	5246.8	1847.7	348.4	107.7	10.7	0.0	0.0	3.6	7.3	0.0

Cv

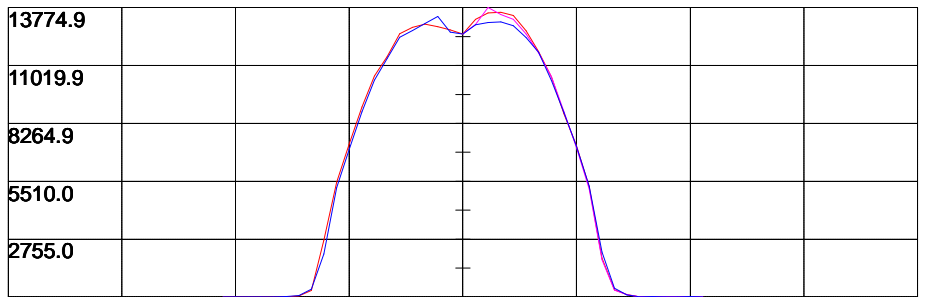
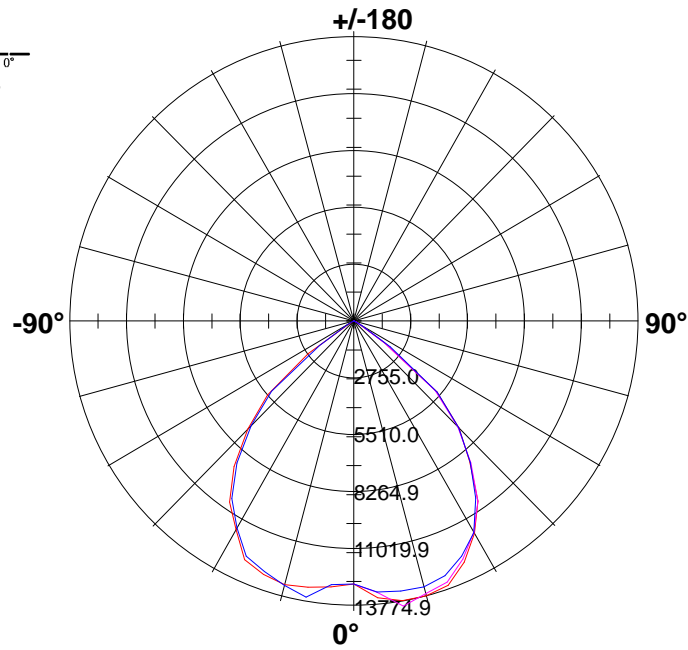
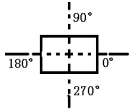
- 0.0
- 5.0
- 10.0
- 15.0
- 20.0
- 25.0
- 30.0
- 35.0
- 40.0
- 45.0
- 50.0
- 55.0
- 60.0
- 65.0
- 70.0
- 75.0
- 80.0
- 85.0
- 90.0
- 95.0
- 100.0
- 105.0
- 110.0
- 115.0
- 120.0
- 125.0
- 130.0
- 135.0
- 140.0
- 145.0
- 150.0
- 155.0
- 160.0
- 165.0
- 170.0
- 175.0
- 180.0
- 185.0
- 190.0
- 195.0
- 200.0
- 205.0
- 210.0

**Photometric Data Table [cd]**

215.0  
220.0  
225.0  
230.0  
235.0  
240.0  
245.0  
250.0  
255.0  
260.0  
265.0  
270.0  
275.0  
280.0  
285.0  
290.0  
295.0  
300.0  
305.0  
310.0  
315.0  
320.0  
325.0  
330.0  
335.0  
340.0  
345.0  
350.0  
355.0  
360.0

Light Distribution Curve [Unit: cd]

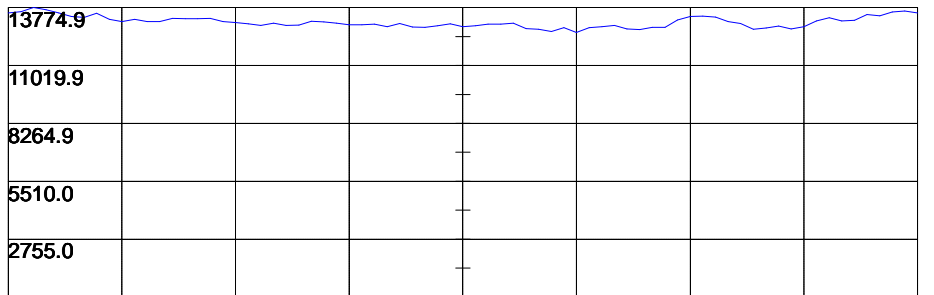
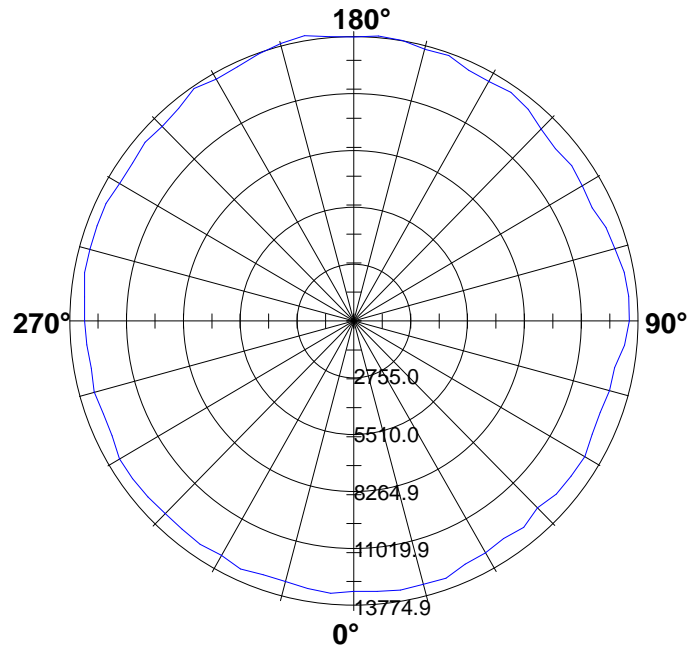
Luminaire



Light Distribution Curve (Linear)

(cd) | C0/C180: — C90/C270: — C10: —

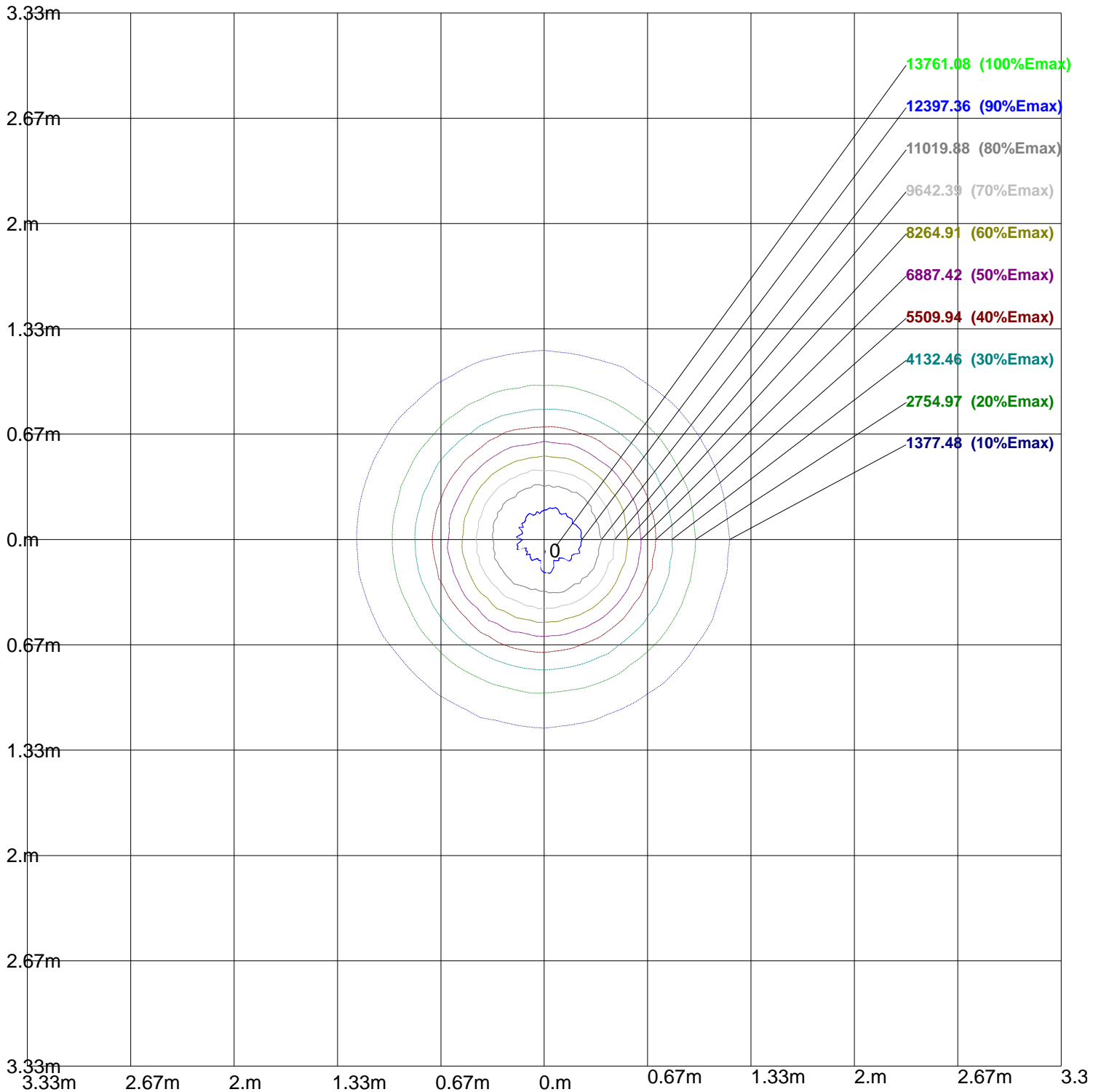
**Max Plane Light Distribution Curve [Unit: cd]**



-180° 180°  
**Light Distribution Curve (Linear)**  
 (cd) | γ10: —



### Iso-Lux[lx]



Height: 1 m  
Max Illuminance : 13774.85lx

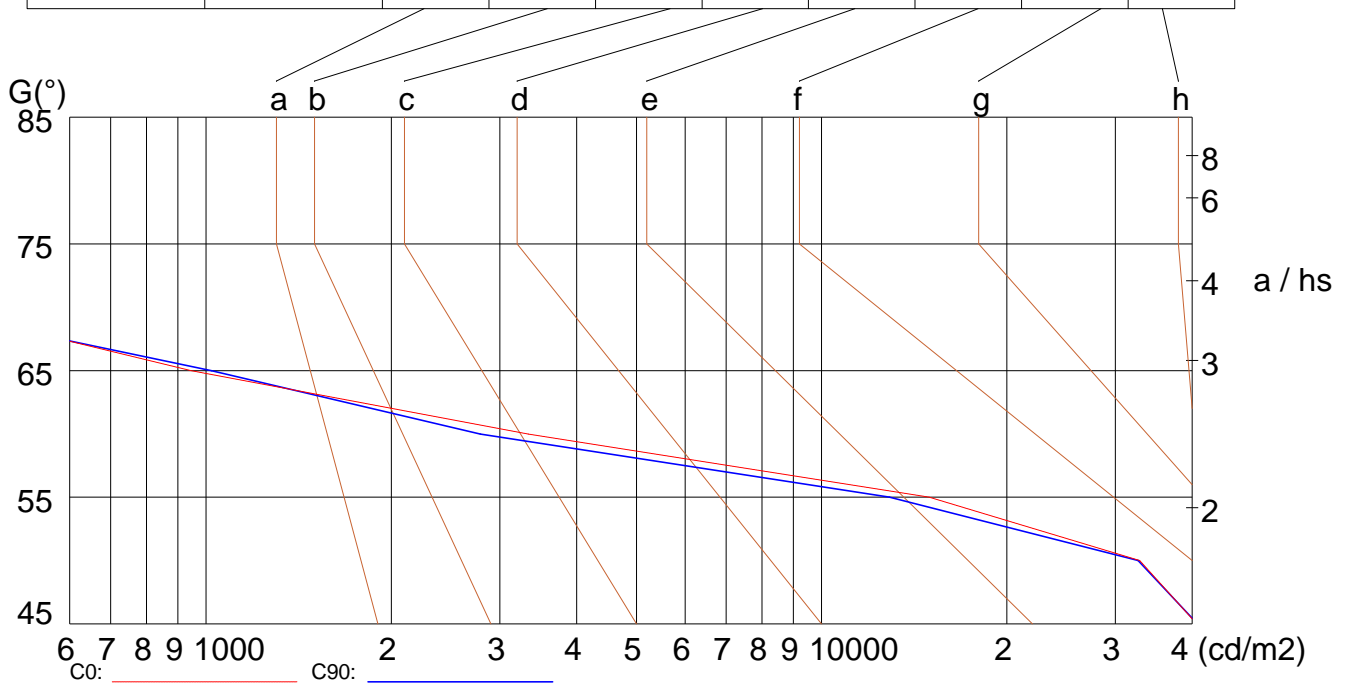
### Luminance Limiting Curve

Diameter: 0mm  
 Length: 500mm  
 Width: 500mm  
 Height: 155mm

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

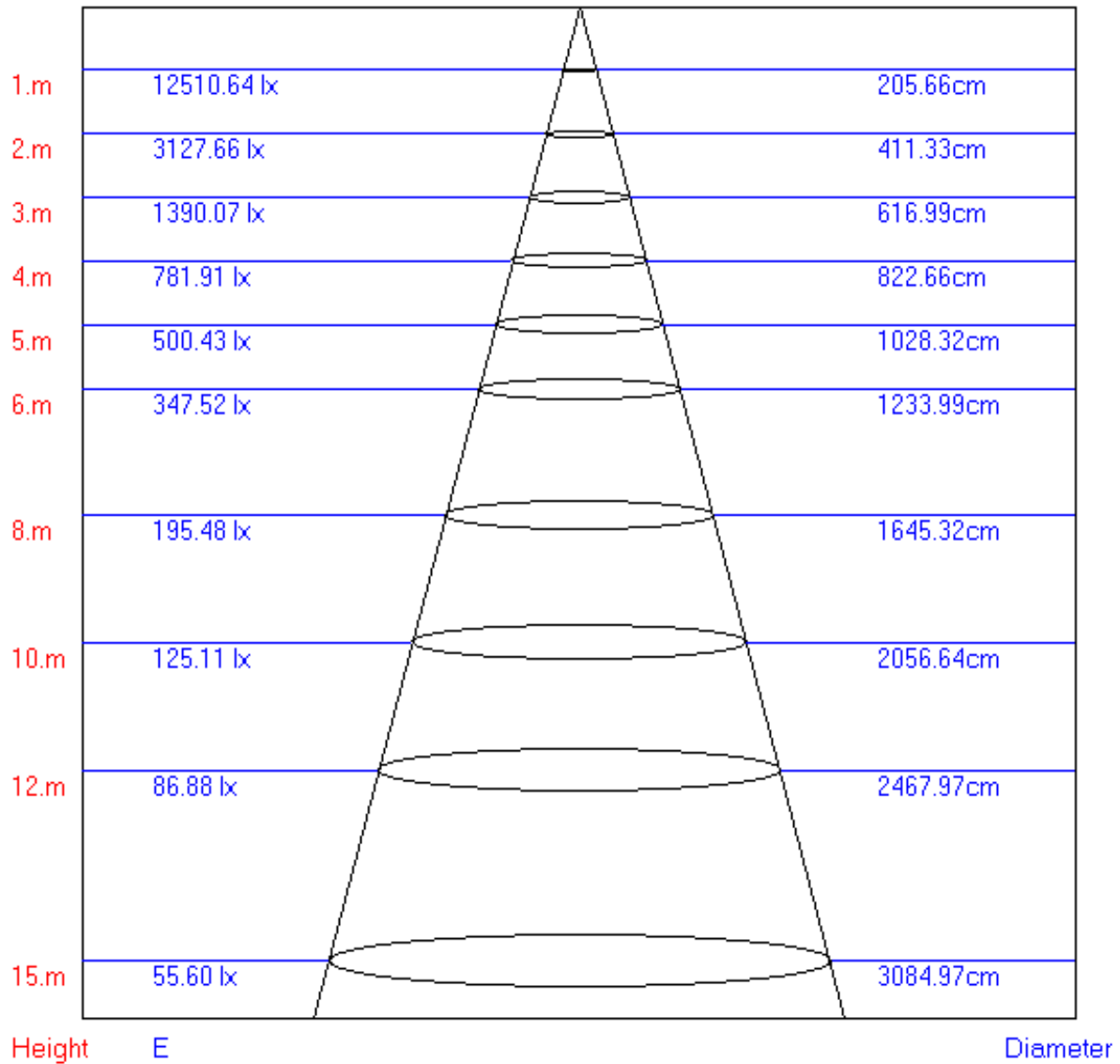
$\gamma$		45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	493	40657	32878	14953	3336	945	202			
C90	164	40773	32650	12886	2787	1020	126			

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:91.50°

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	1.11	1.10	1.09	1.10	1.08	1.07	1.06	1.04	1.03	1.00	0.99	0.97	0.93	0.92	0.90	0.85
2	1.01	0.99	0.98	0.99	0.97	0.96	0.96	0.94	0.92	0.92	0.89	0.87	0.86	0.84	0.81	0.76
3	0.91	0.89	0.87	0.90	0.87	0.85	0.87	0.84	0.82	0.84	0.80	0.77	0.80	0.76	0.73	0.68
4	0.81	0.79	0.78	0.81	0.78	0.76	0.79	0.76	0.73	0.77	0.73	0.69	0.73	0.69	0.65	0.61
5	0.73	0.71	0.70	0.73	0.70	0.68	0.72	0.68	0.65	0.70	0.66	0.62	0.68	0.63	0.58	0.55
6	0.66	0.64	0.63	0.66	0.63	0.61	0.66	0.62	0.59	0.64	0.60	0.56	0.63	0.57	0.53	0.49
7	0.60	0.58	0.57	0.60	0.57	0.56	0.60	0.56	0.53	0.59	0.54	0.51	0.58	0.52	0.48	0.44
8	0.55	0.53	0.51	0.55	0.52	0.50	0.55	0.51	0.48	0.55	0.50	0.46	0.54	0.48	0.43	0.40
9	0.50	0.48	0.47	0.51	0.48	0.46	0.51	0.47	0.44	0.51	0.45	0.42	0.50	0.44	0.40	0.37
10	0.46	0.44	0.43	0.47	0.44	0.42	0.47	0.43	0.40	0.47	0.42	0.38	0.47	0.41	0.36	0.34

