

Luminaire Property

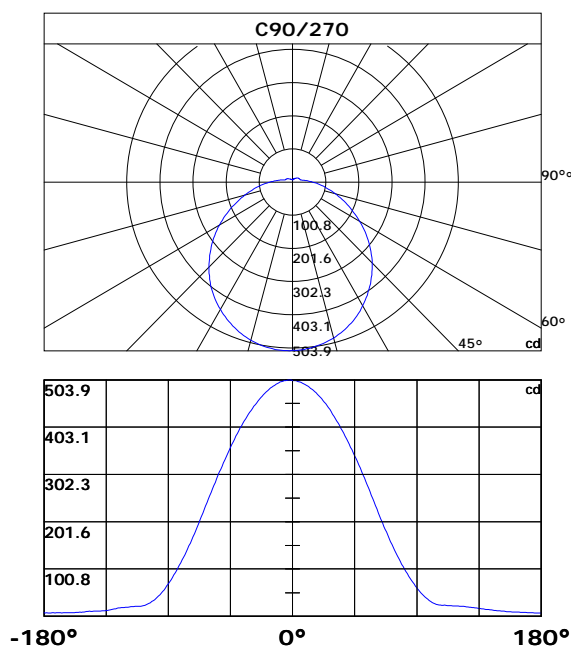
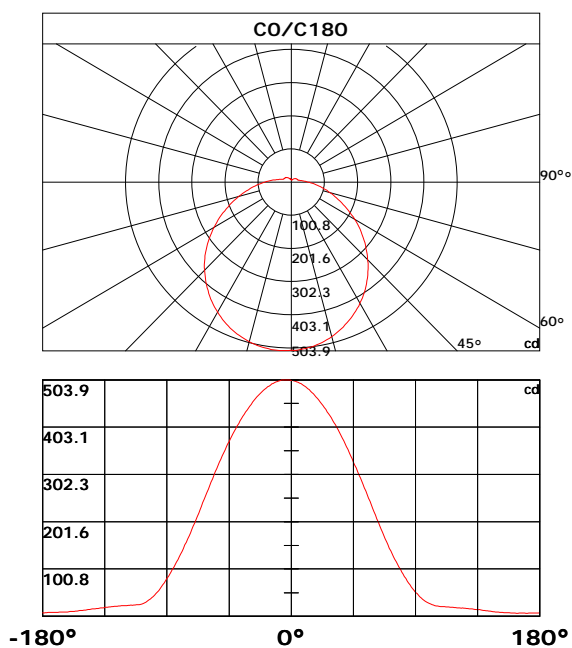
Luminaire Description: 20469LEDD
 Luminaire Category:
 Lamp Category:
 Lamp Description:
 Number of Lamp:
 Lamp Lumens (lm): 1765.21
 Luminous Length(m): 0.0
 Luminous Width(m): 0.0
 Luminous Height(m): 0.0

Voltage: 119.9 V
 Current: 0.238 A
 Power: 26.8 W
 Power Factor: 0.936
 Test Lab:
 Photometric Type: Type C
 Manufactory:

Photometric Results

CIE Class: Direct
 Luminaire Lumens: 1765.21 lm
 Efficiency: 65.866 lm/W
 Central Intensity: 502.297cd
 Max. Intensity: 503.897cd
 Field Angle(10%Imax): NA

Max.Intensity Angle: C:180.0 G:4.0
 Beam Angle(50%Imax): 117.08, 108.12
 Luminaire Efficacy Rating(LER) : 100.00%
 Upward Ratio: NA
 Downward Ratio: NA
 Beamwidth(50%Imax): H=117.08V=108.12



Light intensity data Unit[cd]

C\G	G0.0	G1.0	G2.0	G3.0	G4.0	G5.0	G6.0	G7.0	G8.0	G9.0
C0.0	502.3	502.8	501.8	500.8	499.6	498.6	497.1	496.0	494.2	492.0
C45.0	502.3	500.4	499.0	497.7	496.4	495.0	493.0	491.5	489.5	487.5
C90.0	502.3	502.6	502.0	501.3	500.6	499.4	498.5	497.1	495.7	494.2
C135.0	502.3	500.3	499.0	497.9	495.7	494.2	492.4	490.6	488.8	486.1
C180.0	502.3	503.3	503.5	503.8	503.9	503.8	503.5	503.3	502.1	501.7
C225.0	502.3	502.0	502.8	503.3	503.3	503.3	503.4	503.2	502.4	501.9
C270.0	502.3	503.4	503.4	503.5	503.1	502.6	502.1	501.0	500.0	499.3
C315.0	502.3	502.3	502.9	503.4	503.6	503.6	503.3	503.4	502.4	502.0
C360.0	502.3	502.8	501.8	500.8	499.6	498.6	497.1	496.0	494.2	492.0
C\G	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
C0.0	490.0	487.8	485.5	482.8	480.2	477.3	474.3	471.0	467.4	464.0
C45.0	485.2	482.8	480.1	477.7	474.6	472.0	468.7	465.4	461.9	458.6
C90.0	492.3	490.5	488.5	486.1	483.7	481.7	478.9	476.2	473.4	470.2
C135.0	483.8	481.7	479.0	475.7	472.9	469.9	466.9	463.6	459.9	456.5
C180.0	500.7	499.3	497.9	496.3	495.0	492.9	490.9	489.2	486.9	484.4
C225.0	501.4	500.5	499.2	498.2	496.8	495.1	493.7	491.8	488.9	487.5
C270.0	497.7	496.2	494.7	492.4	490.7	488.6	486.2	483.7	481.3	478.5
C315.0	501.3	500.9	499.8	499.0	497.6	495.9	494.4	492.7	491.1	488.7
C360.0	490.0	487.8	485.5	482.8	480.2	477.3	474.3	471.0	467.4	464.0
C\G	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
C0.0	460.6	456.3	452.7	449.0	444.7	440.4	435.6	431.8	427.0	422.9
C45.0	454.9	450.5	446.5	442.8	438.4	433.7	429.3	424.9	420.1	414.4
C90.0	467.6	463.9	460.2	456.7	453.1	449.2	444.9	440.4	436.0	430.9
C135.0	452.8	448.7	444.4	440.6	435.9	431.3	427.1	421.5	416.8	411.7
C180.0	482.0	479.1	476.5	473.9	470.1	467.2	463.9	460.0	456.4	452.1
C225.0	484.8	481.5	479.1	476.4	473.8	470.5	467.2	463.4	460.1	456.3
C270.0	475.5	472.1	469.0	466.0	462.0	458.6	454.9	451.2	447.4	442.9
C315.0	486.1	483.9	481.7	478.6	475.8	473.2	469.8	466.5	462.7	459.1
C360.0	460.6	456.3	452.7	449.0	444.7	440.4	435.6	431.8	427.0	422.9
C\G	G30.0	G31.0	G32.0	G33.0	G34.0	G35.0	G36.0	G37.0	G38.0	G39.0
C0.0	417.8	412.6	407.7	402.6	398.1	391.5	385.7	380.0	374.2	367.8
C45.0	409.4	404.3	398.9	393.5	387.6	381.7	376.1	370.4	363.8	358.0
C90.0	426.0	421.2	416.2	411.3	406.6	400.3	395.2	390.3	384.5	378.2
C135.0	407.7	400.8	395.2	389.9	384.5	379.1	372.5	366.4	360.9	355.2
C180.0	448.0	443.8	439.7	435.0	430.6	426.1	421.3	416.7	410.9	406.1
C225.0	452.1	448.8	444.7	440.6	437.0	432.0	427.4	423.1	418.2	413.2
C270.0	438.7	434.8	430.6	426.1	421.0	416.4	411.2	406.1	401.0	395.4
C315.0	455.1	451.6	447.4	442.2	439.5	435.1	430.7	425.9	421.5	416.3
C360.0	417.8	412.6	407.7	402.6	398.1	391.5	385.7	380.0	374.2	367.8

Light intensity data Unit[cd]

C\G	G40.0	G41.0	G42.0	G43.0	G44.0	G45.0	G46.0	G47.0	G48.0	G49.0
C0.0	361.7	355.4	349.1	342.4	335.9	328.7	322.1	315.7	308.3	301.6
C45.0	351.9	345.9	339.7	332.6	326.1	319.5	312.6	305.5	298.1	291.1
C90.0	372.5	367.2	360.8	355.1	348.3	342.1	336.0	329.4	322.5	315.7
C135.0	348.1	342.2	335.9	329.3	322.9	315.7	308.8	302.1	294.8	286.3
C180.0	400.7	395.8	389.7	384.1	378.5	372.7	367.5	360.9	354.5	347.6
C225.0	408.1	402.5	397.1	391.9	385.6	379.9	373.7	367.7	361.0	354.5
C270.0	389.7	383.9	377.5	371.9	365.7	359.7	353.3	346.3	339.8	333.7
C315.0	412.0	407.0	401.1	395.7	390.5	384.7	378.0	372.1	366.4	360.1
C360.0	361.7	355.4	349.1	342.4	335.9	328.7	322.1	315.7	308.3	301.6
C\G	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	294.8	288.1	281.2	273.6	266.6	259.4	252.2	245.1	237.6	230.2
C45.0	284.5	277.1	268.8	262.0	254.5	247.0	239.0	231.9	224.3	217.2
C90.0	308.7	301.8	295.1	287.1	280.3	272.9	266.2	258.0	250.7	243.5
C135.0	280.0	272.5	265.1	257.8	249.6	242.4	234.9	227.9	219.6	213.2
C180.0	342.3	334.8	328.4	321.7	314.4	307.8	300.2	292.9	286.1	278.7
C225.0	348.3	342.3	334.9	328.6	321.8	315.2	308.4	300.8	293.9	286.6
C270.0	327.2	319.8	313.6	307.2	300.1	293.3	285.6	278.6	271.4	264.3
C315.0	353.4	346.2	339.9	333.8	327.2	319.7	313.3	306.3	299.4	292.7
C360.0	294.8	288.1	281.2	273.6	266.6	259.4	252.2	245.1	237.6	230.2
C\G	G60.0	G61.0	G62.0	G63.0	G64.0	G65.0	G66.0	G67.0	G68.0	G69.0
C0.0	223.0	215.8	207.6	200.7	193.3	186.5	178.9	171.9	165.1	158.6
C45.0	210.4	202.6	195.6	188.8	182.0	174.7	167.9	161.8	155.0	148.7
C90.0	236.2	228.9	220.8	213.8	207.0	200.1	192.2	185.7	179.3	172.8
C135.0	205.4	199.1	191.8	184.4	177.9	171.3	165.0	158.0	151.2	145.2
C180.0	271.2	263.8	256.8	249.5	242.1	234.4	227.2	219.9	212.7	205.2
C225.0	279.5	271.3	264.0	256.6	248.6	241.0	232.6	225.0	217.7	209.8
C270.0	256.4	249.8	242.2	235.0	227.5	219.8	212.6	205.4	197.9	190.0
C315.0	284.9	277.8	270.8	263.4	255.5	247.9	240.7	233.2	225.5	216.9
C360.0	223.0	215.8	207.6	200.7	193.3	186.5	178.9	171.9	165.1	158.6
C\G	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	152.0	145.1	139.3	133.4	127.4	121.6	115.9	110.5	105.3	100.4
C45.0	142.0	135.8	130.0	124.2	117.9	112.3	106.7	101.3	96.1	90.6
C90.0	166.3	159.3	153.0	146.7	140.7	134.2	128.4	122.4	116.9	110.9
C135.0	139.2	132.6	126.8	120.9	115.3	109.8	103.8	98.8	93.6	88.2
C180.0	198.4	191.6	185.0	177.6	171.4	164.6	157.9	151.9	144.9	138.5
C225.0	201.3	193.8	186.0	178.3	170.7	162.5	154.6	148.2	142.1	135.9
C270.0	183.0	176.2	169.4	162.9	155.8	150.2	143.7	137.7	131.0	125.4
C315.0	209.3	201.3	193.4	184.9	177.5	169.5	162.3	154.2	145.9	139.1
C360.0	152.0	145.1	139.3	133.4	127.4	121.6	115.9	110.5	105.3	100.4

Light intensity data Unit[cd]

C\G	G80.0	G81.0	G82.0	G83.0	G84.0	G85.0	G86.0	G87.0	G88.0	G89.0
C0.0	94.7	90.1	85.0	80.4	75.3	71.0	66.7	62.3	58.9	54.8
C45.0	85.7	80.9	76.3	71.9	67.5	63.1	59.3	55.4	51.7	48.3
C90.0	105.8	100.5	95.9	90.9	85.5	81.4	77.0	72.8	68.8	64.3
C135.0	83.3	78.8	74.1	69.4	65.1	60.9	56.7	53.6	50.0	46.4
C180.0	132.6	127.0	121.1	115.4	110.1	104.8	99.9	94.3	89.7	84.7
C225.0	129.6	124.1	118.6	113.0	107.1	101.8	97.1	92.0	86.4	81.7
C270.0	119.8	113.9	108.6	102.9	98.1	92.8	88.1	82.8	78.0	73.2
C315.0	133.5	127.4	121.1	115.5	110.1	104.6	98.9	93.8	89.2	84.2
C360.0	94.7	90.1	85.0	80.4	75.3	71.0	66.7	62.3	58.9	54.8
C\G	G90.0	G91.0	G92.0	G93.0	G94.0	G95.0	G96.0	G97.0	G98.0	G99.0
C0.0	50.8	48.2	44.9	41.7	39.0	36.6	34.3	32.1	30.4	29.0
C45.0	45.1	42.1	39.3	36.3	34.3	32.0	29.7	28.2	26.5	25.1
C90.0	60.3	56.7	53.7	49.8	46.6	44.1	41.1	38.6	36.0	33.7
C135.0	43.3	40.4	38.1	35.7	33.6	31.4	29.7	28.0	27.0	25.7
C180.0	80.3	76.0	70.9	66.9	62.9	59.0	54.8	51.4	48.5	45.1
C225.0	76.7	72.2	67.8	63.0	58.7	55.1	50.9	47.2	44.4	41.3
C270.0	69.0	65.0	60.2	56.2	52.8	49.3	46.2	42.9	40.4	37.5
C315.0	79.5	74.4	70.0	65.4	61.4	57.0	52.5	49.5	46.2	43.0
C360.0	50.8	48.2	44.9	41.7	39.0	36.6	34.3	32.1	30.4	29.0
C\G	G100.0	G101.0	G102.0	G103.0	G104.0	G105.0	G106.0	G107.0	G108.0	G109.0
C0.0	27.3	25.9	24.6	23.8	23.0	21.9	21.7	21.3	20.8	20.7
C45.0	24.1	23.0	22.3	21.7	21.5	21.1	20.8	20.6	20.9	20.6
C90.0	31.8	29.8	28.0	26.9	25.7	24.5	24.0	23.8	23.7	23.7
C135.0	24.8	23.9	23.6	23.1	22.6	22.5	22.3	21.9	21.9	22.0
C180.0	41.9	39.7	37.2	34.8	32.6	30.2	28.7	27.3	25.8	25.3
C225.0	38.7	36.3	34.0	32.0	30.3	28.7	27.0	25.7	24.6	23.7
C270.0	35.2	33.0	31.1	29.1	27.6	26.2	24.9	23.5	22.7	21.9
C315.0	39.7	37.3	34.6	32.5	30.4	28.5	26.9	25.4	24.4	22.9
C360.0	27.3	25.9	24.6	23.8	23.0	21.9	21.7	21.3	20.8	20.7
C\G	G110.0	G111.0	G112.0	G113.0	G114.0	G115.0	G116.0	G117.0	G118.0	G119.0
C0.0	20.7	20.7	20.3	20.2	19.8	19.6	19.3	19.0	18.7	18.7
C45.0	20.6	20.7	20.1	20.3	20.0	19.8	19.7	20.0	19.4	19.3
C90.0	23.8	23.4	23.0	23.0	23.0	22.6	22.3	22.2	22.1	21.9
C135.0	22.1	21.9	21.4	21.5	21.5	21.1	20.9	20.6	20.6	20.4
C180.0	25.0	24.5	24.3	24.0	23.8	23.6	23.8	23.6	23.4	23.0
C225.0	22.6	22.2	21.5	21.4	21.0	21.0	20.6	20.8	20.5	20.1
C270.0	21.6	21.5	21.4	21.0	21.1	20.9	20.4	20.4	20.3	19.6
C315.0	21.9	21.5	20.6	19.9	19.5	19.4	19.0	18.9	18.9	18.5
C360.0	20.7	20.7	20.3	20.2	19.8	19.6	19.3	19.0	18.7	18.7

Light intensity data Unit[cd]

C\G	G120.0	G121.0	G122.0	G123.0	G124.0	G125.0	G126.0	G127.0	G128.0	G129.0
C0.0	18.3	18.2	17.8	17.5	17.6	16.9	17.1	16.6	16.3	15.9
C45.0	19.1	18.9	18.7	18.7	18.2	17.9	17.9	17.5	17.1	17.2
C90.0	21.8	21.5	21.3	21.1	20.9	20.7	20.2	20.0	19.6	19.5
C135.0	20.2	20.3	20.0	19.5	19.2	18.9	18.9	18.3	18.2	17.9
C180.0	23.0	22.7	22.7	22.3	22.2	22.1	21.6	21.4	21.2	20.7
C225.0	20.1	19.8	19.8	19.5	19.1	19.2	19.3	18.8	18.5	18.3
C270.0	19.3	19.2	18.8	18.5	18.4	17.7	17.6	17.1	16.3	15.7
C315.0	18.7	18.4	18.6	18.4	18.2	17.8	17.9	17.5	17.5	17.5
C360.0	18.3	18.2	17.8	17.5	17.6	16.9	17.1	16.6	16.3	15.9
C\G	G130.0	G131.0	G132.0	G133.0	G134.0	G135.0	G136.0	G137.0	G138.0	G139.0
C0.0	15.7	15.5	15.2	14.5	14.4	13.9	14.1	13.5	13.2	12.6
C45.0	16.8	16.6	16.3	15.9	15.8	15.4	15.5	15.1	14.7	14.3
C90.0	18.7	18.5	18.1	17.7	17.4	16.8	16.7	16.3	16.1	15.2
C135.0	17.9	17.3	17.4	16.8	16.6	16.0	16.0	15.7	15.0	14.7
C180.0	20.7	20.1	20.2	19.2	19.1	19.2	18.3	17.9	17.7	17.1
C225.0	18.0	17.8	17.6	17.7	17.0	17.1	17.0	16.5	16.7	16.2
C270.0	15.4	14.3	13.8	13.1	12.9	12.1	12.0	11.7	11.6	11.4
C315.0	17.1	16.8	16.5	16.4	16.2	16.1	16.1	15.7	15.9	15.5
C360.0	15.7	15.5	15.2	14.5	14.4	13.9	14.1	13.5	13.2	12.6
C\G	G140.0	G141.0	G142.0	G143.0	G144.0	G145.0	G146.0	G147.0	G148.0	G149.0
C0.0	12.4	12.0	11.7	10.9	10.7	10.4	9.7	9.7	9.4	9.3
C45.0	14.0	13.5	13.4	13.0	12.8	12.9	12.1	11.5	11.0	10.4
C90.0	14.9	14.5	14.2	13.9	13.9	13.4	12.6	12.5	11.8	11.9
C135.0	14.2	14.1	13.5	13.4	13.2	12.7	12.0	11.6	10.9	10.9
C180.0	16.7	16.4	16.1	16.2	15.6	14.9	14.5	14.3	14.0	13.4
C225.0	16.1	15.8	15.6	15.2	15.0	14.6	14.8	14.2	13.8	13.2
C270.0	11.2	11.1	11.2	11.1	11.1	10.6	10.6	10.8	10.3	10.1
C315.0	15.5	15.1	14.6	14.5	14.4	14.0	13.4	13.1	13.4	12.9
C360.0	12.4	12.0	11.7	10.9	10.7	10.4	9.7	9.7	9.4	9.3
C\G	G150.0	G151.0	G152.0	G153.0	G154.0	G155.0	G156.0	G157.0	G158.0	G159.0
C0.0	8.7	8.6	8.6	8.3	7.8	7.8	7.6	7.4	7.3	6.8
C45.0	10.0	10.1	9.6	9.4	9.2	9.2	8.8	8.9	8.4	8.4
C90.0	11.9	11.0	10.7	11.0	10.4	10.0	9.8	9.5	9.6	9.3
C135.0	10.1	9.8	9.4	9.4	9.0	8.8	8.9	8.7	9.0	8.6
C180.0	13.1	12.8	12.2	12.2	11.6	11.1	10.9	10.4	10.3	10.3
C225.0	13.1	12.4	12.2	11.8	11.3	11.6	11.2	10.3	10.1	9.3
C270.0	9.5	8.7	8.7	8.5	8.7	8.5	8.5	8.1	8.0	7.9
C315.0	12.5	12.4	11.6	11.5	11.0	10.9	10.6	10.3	9.7	9.7
C360.0	8.7	8.6	8.6	8.3	7.8	7.8	7.6	7.4	7.3	6.8

Light intensity data Unit[cd]

C\G	G160.0	G161.0	G162.0	G163.0	G164.0	G165.0	G166.0	G167.0	G168.0	G169.0
C0.0	6.9	6.7	7.1	6.5	6.5	6.9	7.0	7.2	7.1	7.0
C45.0	8.3	8.1	8.1	8.1	8.1	8.6	8.1	7.8	7.8	7.4
C90.0	9.2	9.0	8.8	8.9	8.7	8.6	8.3	8.4	8.1	8.3
C135.0	8.3	8.0	8.0	8.2	8.3	8.0	8.0	7.8	7.9	7.7
C180.0	10.3	9.8	9.3	9.1	9.0	9.0	9.3	9.0	8.8	8.4
C225.0	9.3	8.6	8.4	8.6	8.3	7.9	7.6	7.8	7.4	7.2
C270.0	7.7	7.6	7.7	7.3	7.5	7.2	7.3	7.2	7.5	7.3
C315.0	9.1	8.5	8.3	8.1	7.9	7.7	7.3	7.2	7.0	6.9
C360.0	6.9	6.7	7.1	6.5	6.5	6.9	7.0	7.2	7.1	7.0
C\G	G170.0	G171.0	G172.0	G173.0	G174.0	G175.0	G176.0	G177.0	G178.0	G179.0
C0.0	6.6	6.6	7.1	7.2	7.1	7.2	7.1	7.1	6.9	7.2
C45.0	7.2	7.2	7.2	6.9	6.7	6.8	7.0	6.9	7.0	7.1
C90.0	8.0	8.0	7.7	7.5	7.3	7.0	6.8	7.1	7.0	7.0
C135.0	7.9	7.6	7.6	7.2	6.9	7.1	6.7	7.3	7.1	6.9
C180.0	8.6	8.3	8.3	8.5	8.5	8.4	8.2	7.7	7.5	7.2
C225.0	7.2	7.2	7.3	7.3	7.0	7.2	7.2	7.2	7.1	7.0
C270.0	7.4	7.3	7.2	7.3	7.5	7.2	7.1	7.2	7.3	7.2
C315.0	6.6	6.8	6.5	6.6	6.4	6.4	6.5	6.6	7.0	6.8
C360.0	6.6	6.6	7.1	7.2	7.1	7.2	7.1	7.1	6.9	7.2
C\G	G180.0									
C0.0	7.3									
C45.0	7.2									
C90.0	6.9									
C135.0	7.2									
C180.0	7.8									
C225.0	7.1									
C270.0	7.5									
C315.0	7.5									
C360.0	7.3									

Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0.0	502.30	0.00	0.00	0.00	0.00
0.0-1.0	502.15	0.48	0.48	0.03	0.03
1.0-2.0	501.81	1.44	1.92	0.08	0.11
2.0-3.0	501.47	2.40	4.32	0.14	0.24
3.0-4.0	500.77	3.35	7.68	0.19	0.43
4.0-5.0	500.07	4.31	11.98	0.24	0.68
5.0-6.0	499.17	5.25	17.23	0.30	0.98
6.0-7.0	498.27	6.19	23.42	0.35	1.33
7.0-8.0	496.89	7.12	30.55	0.40	1.73
8.0-9.0	495.58	8.04	38.59	0.46	2.19
9.0-10.0	494.03	8.96	47.55	0.51	2.69
10.0-11.0	492.46	9.86	57.40	0.56	3.25
11.0-12.0	490.59	10.75	68.15	0.61	3.86
12.0-13.0	488.54	11.62	79.77	0.66	4.52
13.0-14.0	486.44	12.48	92.25	0.71	5.23
14.0-15.0	484.19	13.33	105.57	0.75	5.98
15.0-16.0	481.75	14.15	119.73	0.80	6.78
16.0-17.0	479.18	14.96	134.69	0.85	7.63
17.0-18.0	476.35	15.75	150.45	0.89	8.52
18.0-19.0	473.53	16.53	166.97	0.94	9.46
19.0-20.0	470.53	17.28	184.25	0.98	10.44
20.0-21.0	467.02	18.00	202.25	1.02	11.46
21.0-22.0	463.77	18.70	220.96	1.06	12.52
22.0-23.0	460.50	19.39	240.35	1.10	13.62
23.0-24.0	456.72	20.05	260.41	1.14	14.75
24.0-25.0	453.02	20.69	281.09	1.17	15.92
25.0-26.0	449.07	21.29	302.39	1.21	17.13
26.0-27.0	444.97	21.87	324.26	1.24	18.37
27.0-28.0	440.80	22.43	346.68	1.27	19.64
28.0-29.0	436.28	22.95	369.63	1.30	20.94
29.0-30.0	431.84	23.44	393.07	1.33	22.27
30.0-31.0	427.25	23.91	416.98	1.35	23.62
31.0-32.0	422.55	24.35	441.32	1.38	25.00
32.0-33.0	417.65	24.75	466.08	1.40	26.40
33.0-34.0	413.10	25.14	491.22	1.42	27.83
34.0-35.0	407.79	25.49	516.71	1.44	29.27
35.0-36.0	402.52	25.80	542.51	1.46	30.73
36.0-37.0	397.37	26.09	568.60	1.48	32.21
37.0-38.0	391.88	26.34	594.94	1.49	33.70
38.0-39.0	386.27	26.56	621.50	1.50	35.21
39.0-40.0	380.61	26.75	648.25	1.52	36.72

Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
40.0-41.0	374.99	26.91	675.16	1.52	38.25
41.0-42.0	368.86	27.03	702.18	1.53	39.78
42.0-43.0	362.88	27.11	729.29	1.54	41.31
43.0-44.0	356.69	27.16	756.44	1.54	42.85
44.0-45.0	350.38	27.17	783.62	1.54	44.39
45.0-46.0	343.99	27.16	810.77	1.54	45.93
46.0-47.0	337.46	27.10	837.88	1.54	47.47
47.0-48.0	330.67	27.01	864.89	1.53	49.00
48.0-49.0	323.84	26.88	891.76	1.52	50.52
49.0-50.0	317.41	26.74	918.50	1.51	52.03
50.0-51.0	310.33	26.56	945.06	1.50	53.54
51.0-52.0	303.36	26.33	971.39	1.49	55.03
52.0-53.0	296.48	26.09	997.49	1.48	56.51
53.0-54.0	289.32	25.82	1023.31	1.46	57.97
54.0-55.0	282.21	25.51	1048.82	1.45	59.42
55.0-56.0	274.99	25.18	1074.00	1.43	60.84
56.0-57.0	267.68	24.81	1098.81	1.41	62.25
57.0-58.0	260.36	24.42	1123.23	1.38	63.63
58.0-59.0	253.30	24.01	1147.24	1.36	64.99
59.0-60.0	245.88	23.58	1170.82	1.34	66.33
60.0-61.0	238.64	23.12	1193.95	1.31	67.64
61.0-62.0	231.19	22.64	1216.59	1.28	68.92
62.0-63.0	224.02	22.14	1238.72	1.25	70.17
63.0-64.0	216.75	21.63	1260.35	1.23	71.40
64.0-65.0	209.45	21.09	1281.45	1.19	72.59
65.0-66.0	202.14	20.54	1301.98	1.16	73.76
66.0-67.0	195.09	19.97	1321.96	1.13	74.89
67.0-68.0	188.05	19.41	1341.36	1.10	75.99
68.0-69.0	180.90	18.82	1360.19	1.07	77.06
69.0-70.0	173.96	18.23	1378.41	1.03	78.09
70.0-71.0	166.96	17.62	1396.03	1.00	79.09
71.0-72.0	160.36	17.02	1413.05	0.96	80.05
72.0-73.0	153.62	16.42	1429.47	0.93	80.98
73.0-74.0	147.07	15.81	1445.28	0.90	81.88
74.0-75.0	140.58	15.20	1460.48	0.86	82.74
75.0-76.0	134.17	14.59	1475.06	0.83	83.56
76.0-77.0	128.12	13.98	1489.05	0.79	84.36
77.0-78.0	121.96	13.39	1502.43	0.76	85.11
78.0-79.0	116.11	12.79	1515.23	0.72	85.84
79.0-80.0	110.62	12.22	1527.45	0.69	86.53
80.0-81.0	105.33	11.68	1539.13	0.66	87.19

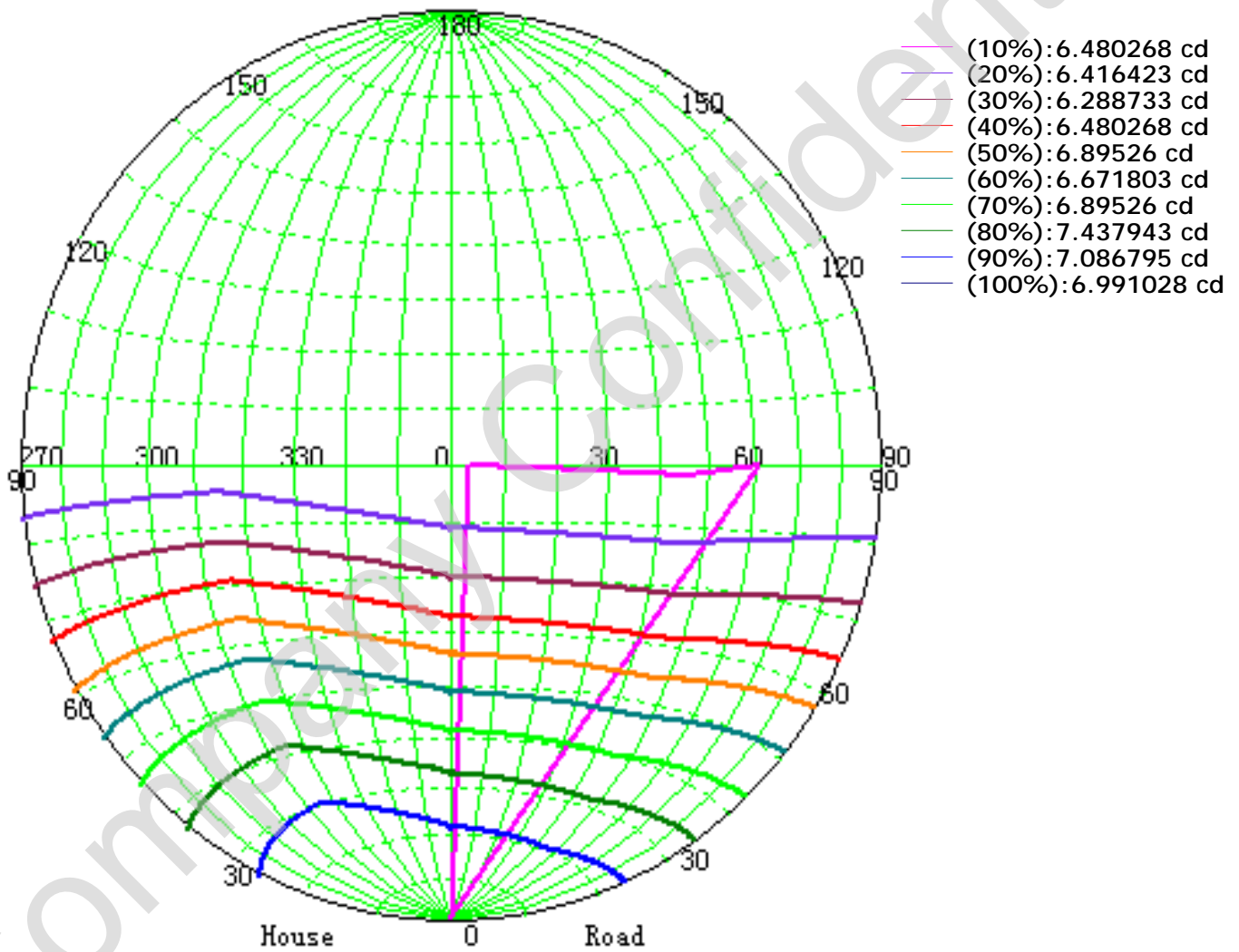
Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
81.0-82.0	100.09	11.14	1550.27	0.63	87.82
82.0-83.0	94.91	10.60	1560.87	0.60	88.42
83.0-84.0	89.84	10.07	1570.93	0.57	88.99
84.0-85.0	85.07	9.55	1580.48	0.54	89.53
85.0-86.0	80.46	9.05	1589.53	0.51	90.05
86.0-87.0	75.86	8.56	1598.08	0.48	90.53
87.0-88.0	71.57	8.08	1606.16	0.46	90.99
88.0-89.0	67.20	7.61	1613.76	0.43	91.42
89.0-90.0	63.13	7.15	1620.91	0.40	91.83
90.0-91.0	59.38	6.72	1627.63	0.38	92.21
91.0-92.0	55.62	6.30	1633.93	0.36	92.56
92.0-93.0	51.87	5.89	1639.82	0.33	92.90
93.0-94.0	48.67	5.50	1645.32	0.31	93.21
94.0-95.0	45.55	5.15	1650.47	0.29	93.50
95.0-96.0	42.39	4.80	1655.27	0.27	93.77
96.0-97.0	39.74	4.47	1659.74	0.25	94.03
97.0-98.0	37.43	4.19	1663.94	0.24	94.26
98.0-99.0	35.06	3.93	1667.87	0.22	94.49
99.0-100.0	32.94	3.68	1671.55	0.21	94.69
100.0-101.0	31.12	3.45	1675.00	0.20	94.89
101.0-102.0	29.42	3.25	1678.25	0.18	95.07
102.0-103.0	27.99	3.07	1681.33	0.17	95.25
103.0-104.0	26.70	2.92	1684.24	0.17	95.41
104.0-105.0	25.45	2.77	1687.01	0.16	95.57
105.0-106.0	24.57	2.64	1689.65	0.15	95.72
106.0-107.0	23.71	2.54	1692.19	0.14	95.86
107.0-108.0	23.11	2.45	1694.64	0.14	96.00
108.0-109.0	22.60	2.38	1697.02	0.13	96.14
109.0-110.0	22.29	2.32	1699.34	0.13	96.27
110.0-111.0	22.05	2.28	1701.61	0.13	96.40
111.0-112.0	21.58	2.23	1703.84	0.13	96.52
112.0-113.0	21.40	2.18	1706.02	0.12	96.65
113.0-114.0	21.23	2.14	1708.16	0.12	96.77
114.0-115.0	20.98	2.11	1710.27	0.12	96.89
115.0-116.0	20.74	2.06	1712.33	0.12	97.00
116.0-117.0	20.70	2.03	1714.37	0.12	97.12
117.0-118.0	20.49	2.00	1716.37	0.11	97.23
118.0-119.0	20.21	1.96	1718.33	0.11	97.34
119.0-120.0	20.06	1.92	1720.25	0.11	97.45
120.0-121.0	19.86	1.89	1722.14	0.11	97.56
121.0-122.0	19.72	1.85	1723.99	0.10	97.66

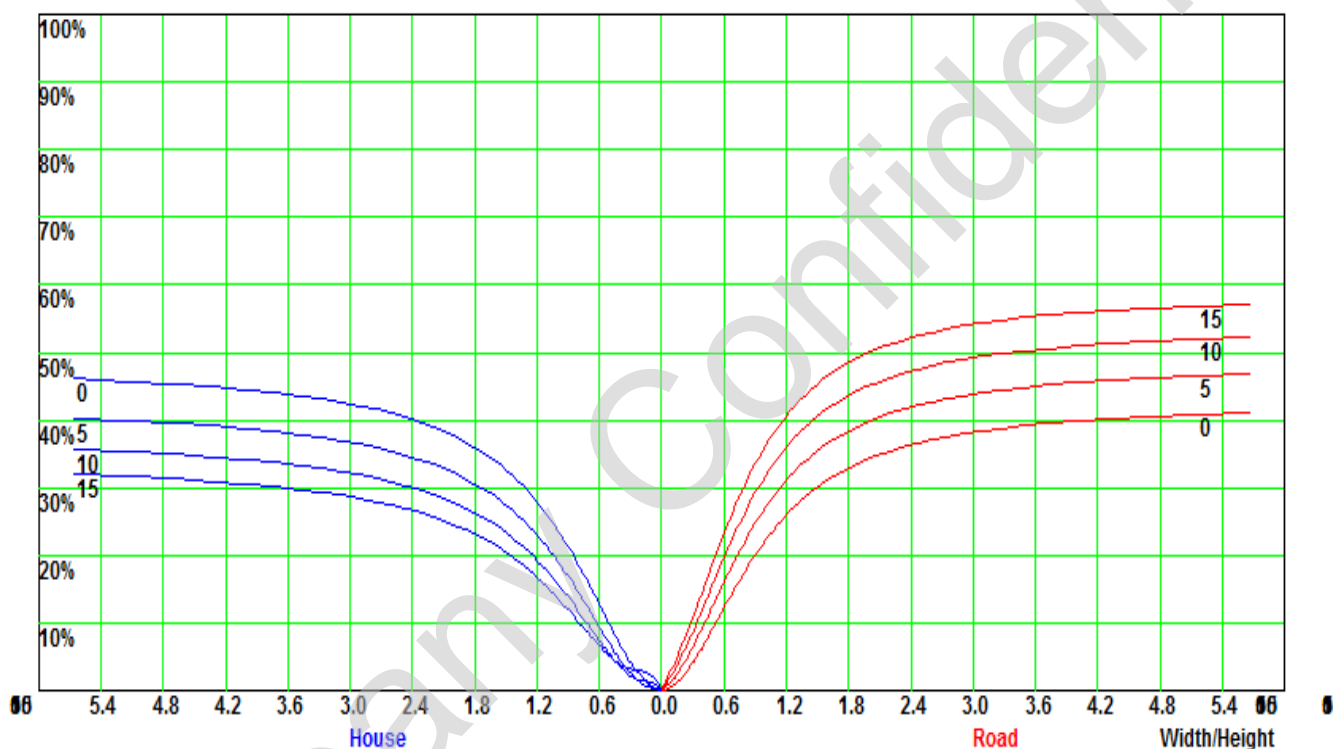
Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
122.0-123.0	19.45	1.81	1725.80	0.10	97.77
123.0-124.0	19.21	1.77	1727.57	0.10	97.87
124.0-125.0	18.89	1.72	1729.29	0.10	97.97
125.0-126.0	18.81	1.68	1730.97	0.10	98.06
126.0-127.0	18.41	1.64	1732.61	0.09	98.15
127.0-128.0	18.09	1.59	1734.20	0.09	98.24
128.0-129.0	17.83	1.54	1735.74	0.09	98.33
129.0-130.0	17.54	1.50	1737.24	0.08	98.42
130.0-131.0	17.11	1.44	1738.68	0.08	98.50
131.0-132.0	16.88	1.40	1740.08	0.08	98.58
132.0-133.0	16.42	1.35	1741.43	0.08	98.65
133.0-134.0	16.16	1.30	1742.72	0.07	98.73
134.0-135.0	15.81	1.25	1743.97	0.07	98.80
135.0-136.0	15.70	1.21	1745.18	0.07	98.87
136.0-137.0	15.31	1.17	1746.35	0.07	98.93
137.0-138.0	15.12	1.13	1747.48	0.06	99.00
138.0-139.0	14.64	1.08	1748.56	0.06	99.06
139.0-140.0	14.39	1.03	1749.60	0.06	99.12
140.0-141.0	14.06	0.99	1750.59	0.06	99.17
141.0-142.0	13.79	0.95	1751.54	0.05	99.23
142.0-143.0	13.53	0.91	1752.45	0.05	99.28
143.0-144.0	13.34	0.88	1753.33	0.05	99.33
144.0-145.0	12.93	0.84	1754.16	0.05	99.37
145.0-146.0	12.47	0.79	1754.95	0.04	99.42
146.0-147.0	12.20	0.75	1755.70	0.04	99.46
147.0-148.0	11.84	0.71	1756.41	0.04	99.50
148.0-149.0	11.51	0.67	1757.07	0.04	99.54
149.0-150.0	11.12	0.63	1757.70	0.04	99.57
150.0-151.0	10.73	0.59	1758.29	0.03	99.61
151.0-152.0	10.37	0.55	1758.85	0.03	99.64
152.0-153.0	10.26	0.52	1759.37	0.03	99.67
153.0-154.0	9.88	0.49	1759.86	0.03	99.70
154.0-155.0	9.75	0.46	1760.32	0.03	99.72
155.0-156.0	9.53	0.44	1760.76	0.02	99.75
156.0-157.0	9.21	0.41	1761.17	0.02	99.77
157.0-158.0	9.05	0.38	1761.56	0.02	99.79
158.0-159.0	8.79	0.36	1761.91	0.02	99.81
159.0-160.0	8.63	0.33	1762.25	0.02	99.83
160.0-161.0	8.28	0.31	1762.56	0.02	99.85
161.0-162.0	8.20	0.29	1762.85	0.02	99.87
162.0-163.0	8.11	0.27	1763.11	0.02	99.88

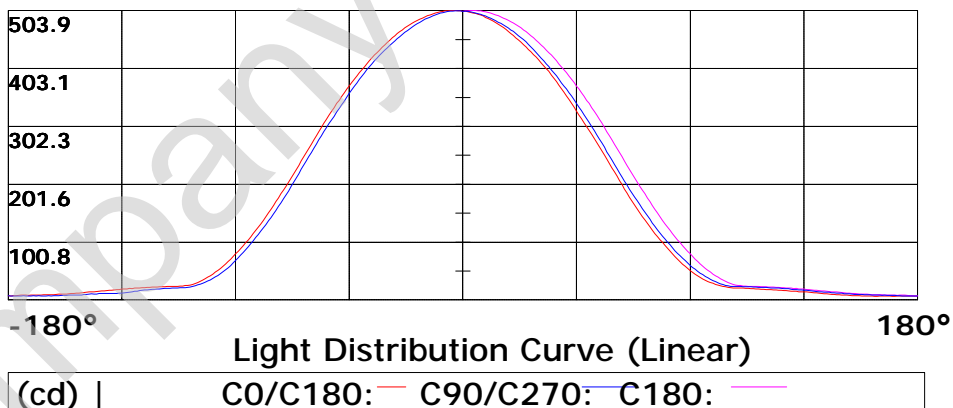
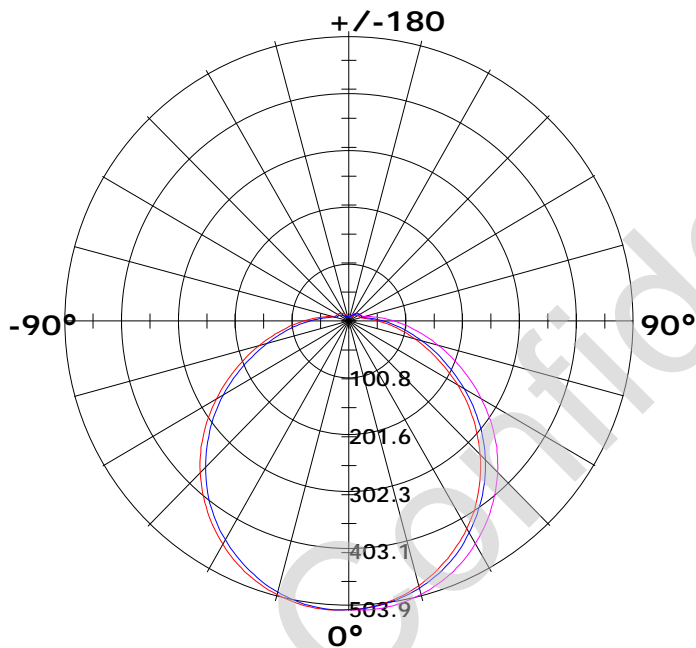
Iso-Candela [cd]

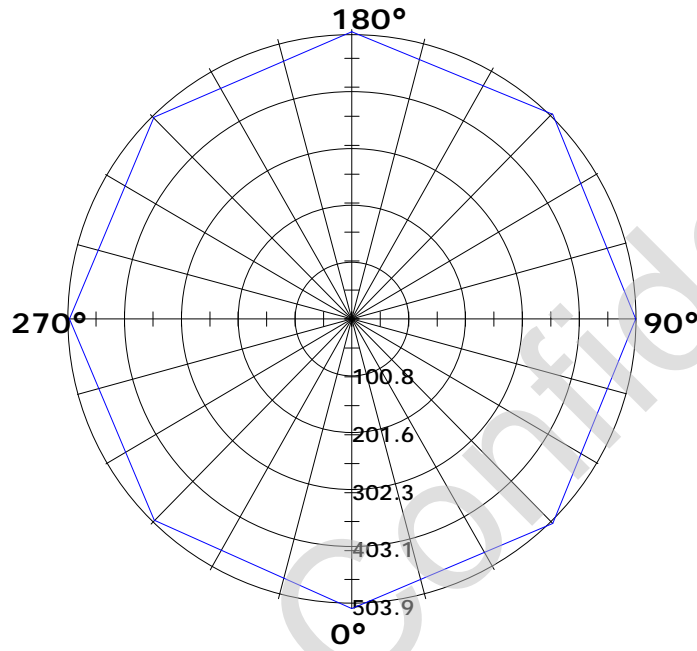


Coefficient Utilization Curve



Light Distribution Curve [Unit: cd]



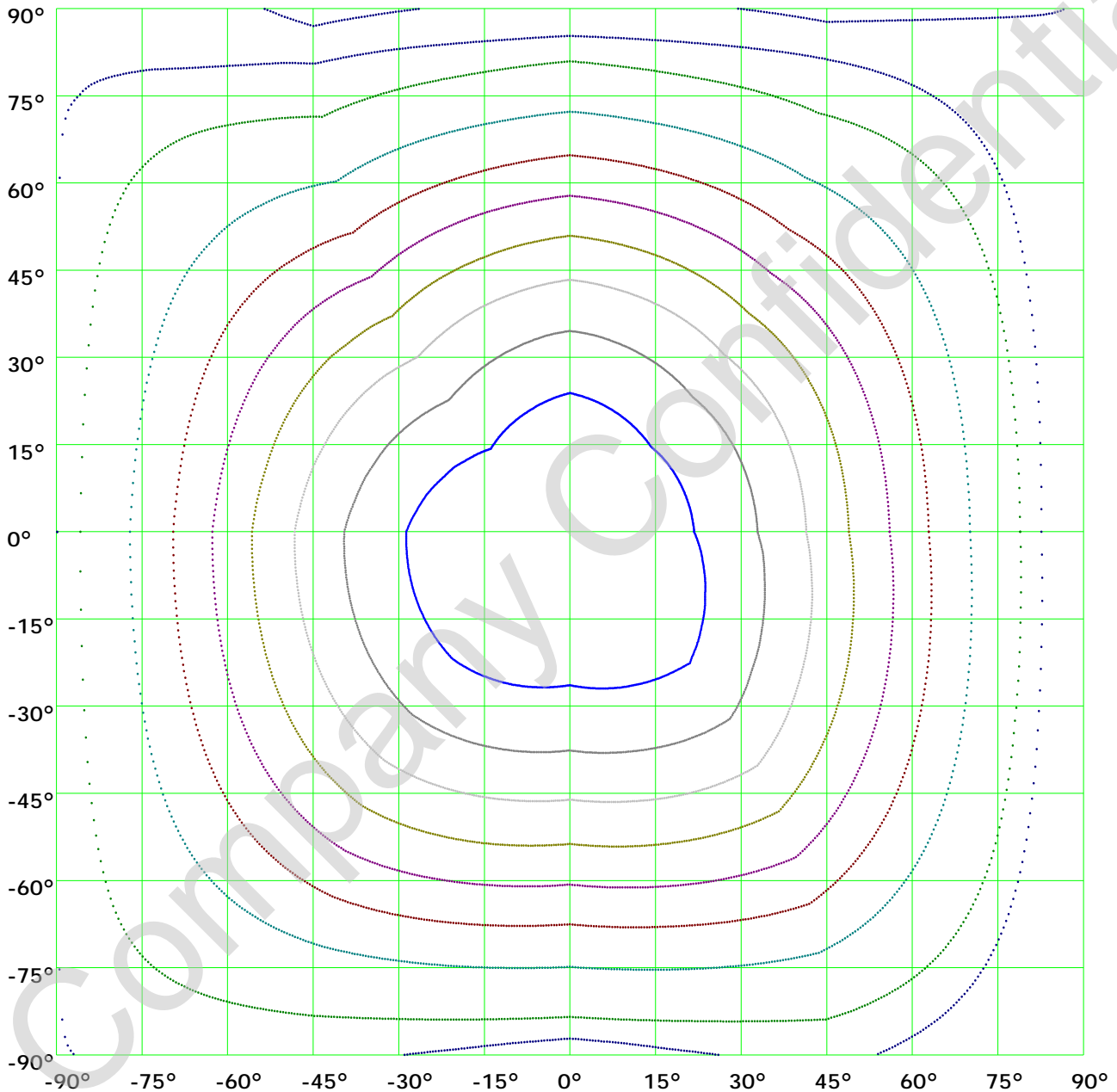


503.9						
403.1						
302.3						
201.6						
100.8						

-180° Light Distribution Curve (Linear) 180°

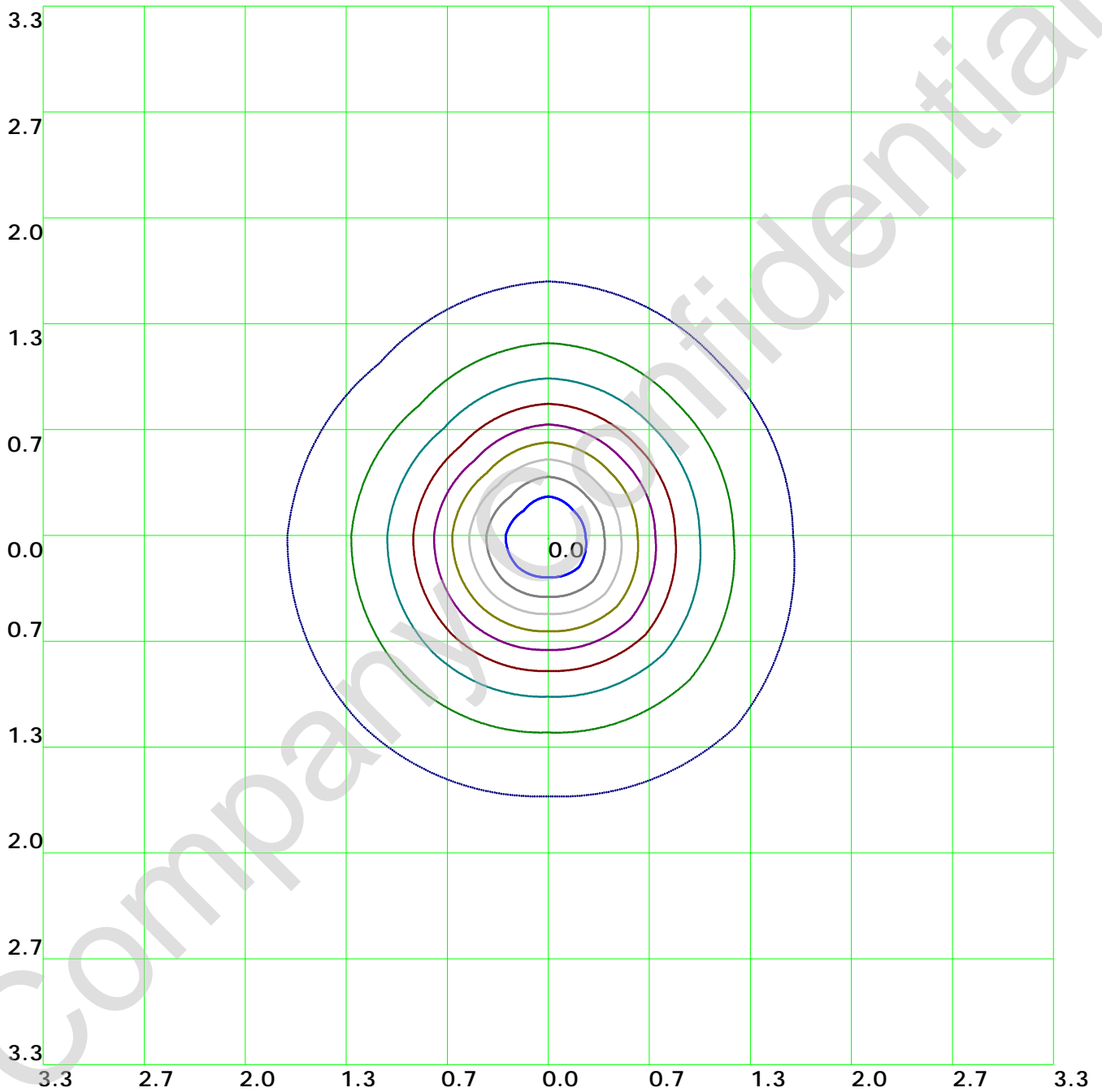
(cd) | γ4: —

Isocandela(rectangle)



- (10%): 50.4cd (20%): 100.8cd (30%): 151.2cd (40%): 201.6cd
- (50%): 251.9cd (60%): 302.3cd (70%): 352.7cd (80%): 403.1cd
- (90%): 453.5cd (100%): 503.9cd

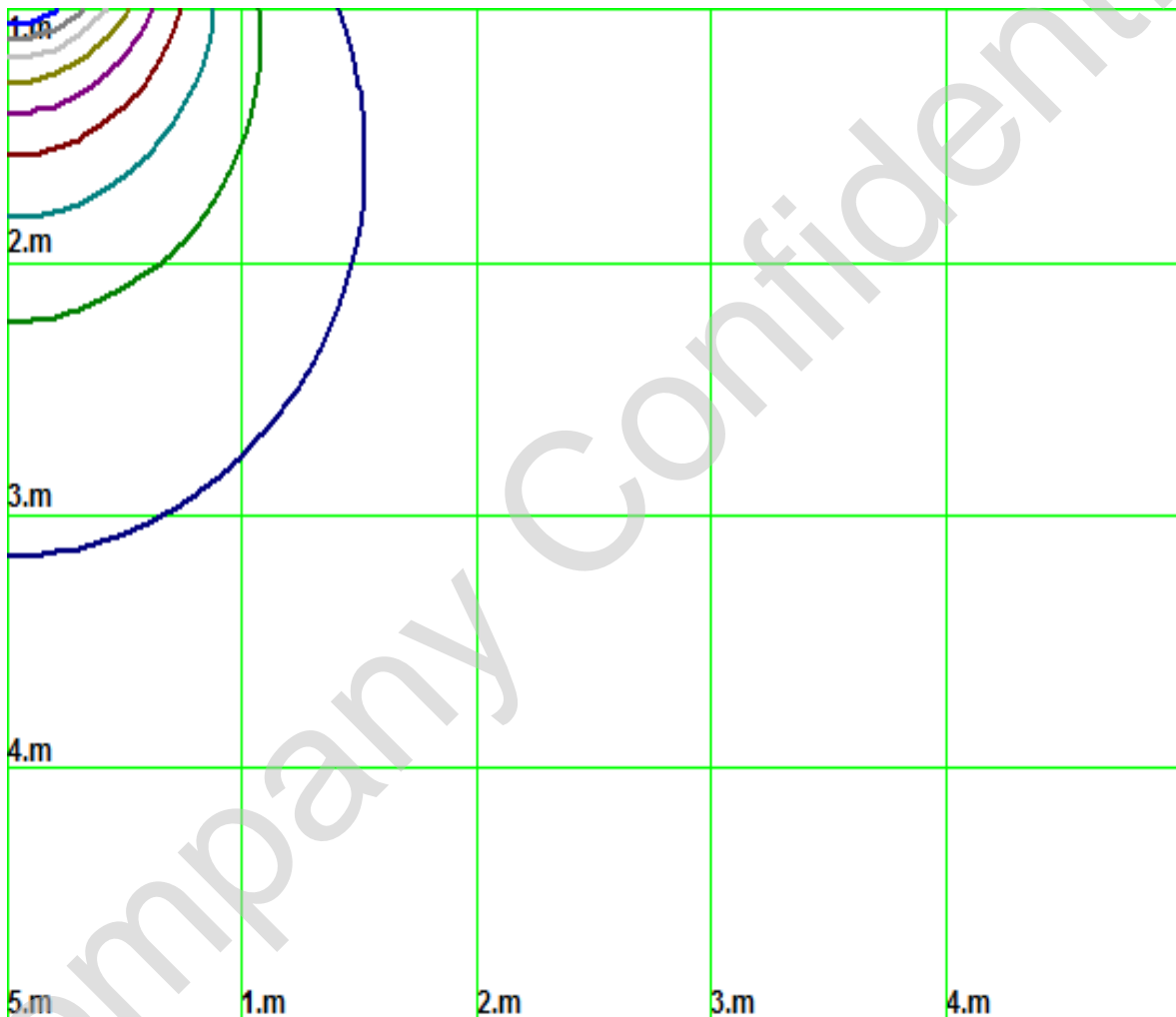
Isolx curve



Height: 1 m

- | | | | |
|------------------|-------------------|------------------|------------------|
| — (10%): 50.4lx | — (20%): 100.8lx | — (30%): 151.2lx | — (40%): 201.6lx |
| — (50%): 252.1lx | — (60%): 302.3lx | — (70%): 352.7lx | — (80%): 403.1lx |
| — (90%): 453.5lx | — (100%): 503.4lx | | |

Space Isolx Curve



— (10%): 50.4lx	— (20%): 100.8lx	— (30%): 151.2lx	— (40%): 201.6lx
— (50%): 252.1lx	— (60%): 302.3lx	— (70%): 352.7lx	— (80%): 403.1lx
— (90%): 453.5lx	— (100%): 503.4lx		

Luminance Limiting Curve

Diameter: 0mm

Length: 0mm

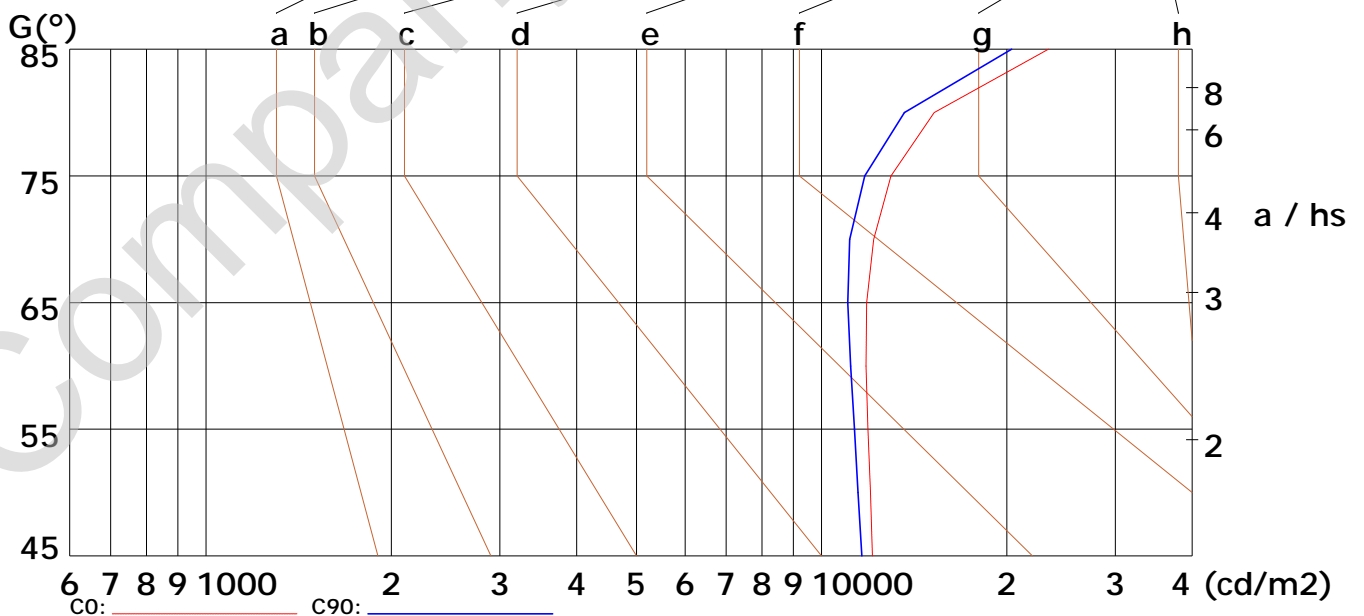
Width: 0mm

Height: 0mm

(cd/m²)

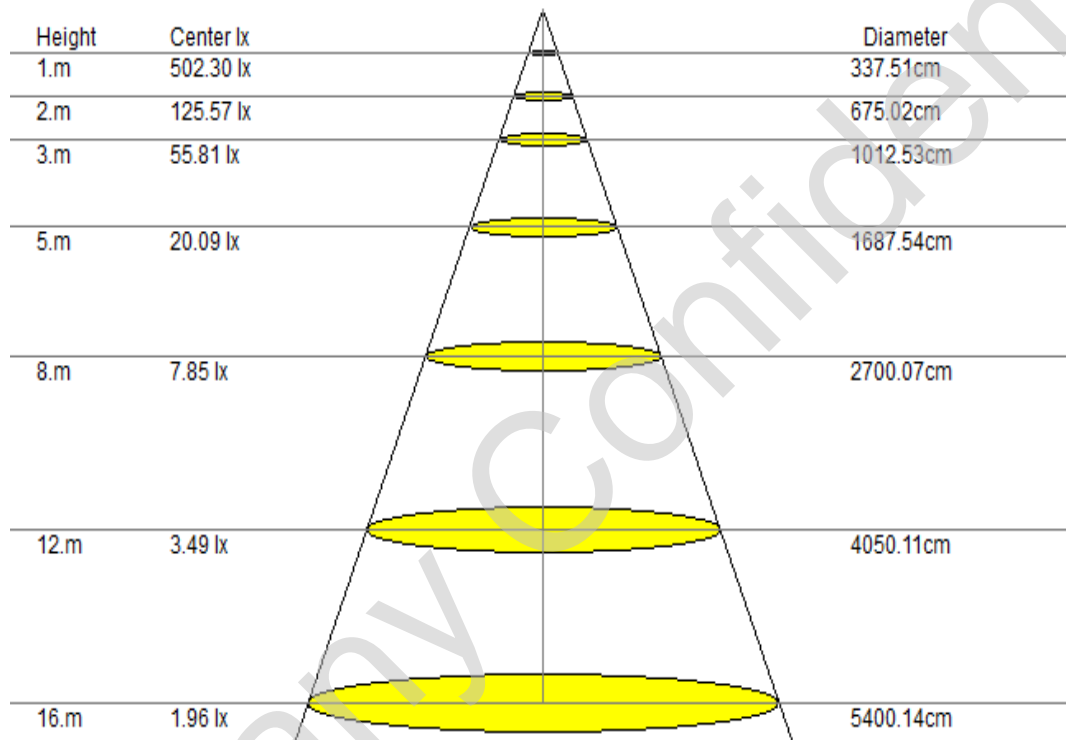
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	12097	12007	11896	11808	11834	12155	12960	15231	23350
C90	11622	11467	11308	11151	11034	11112	11748	13636	20374

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

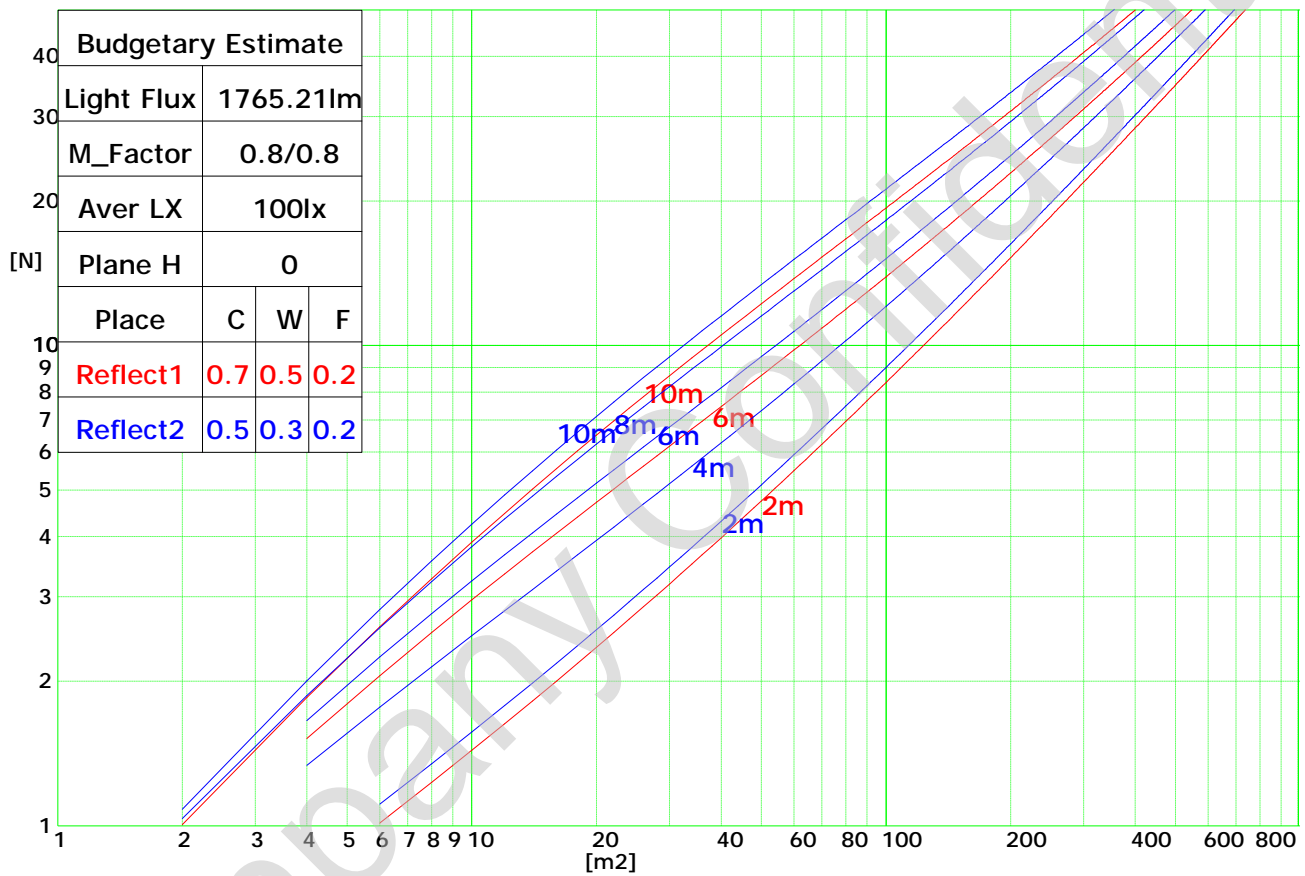


Beam Angle: 118.70° (50%Imax)

Coefficients of Utilization

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	1.02	1.00	0.98	1.01	0.98	0.96	0.97	0.95	0.93	0.93	0.90	0.88	0.87	0.84	0.81	0.76
2	0.87	0.84	0.82	0.86	0.83	0.80	0.84	0.80	0.77	0.81	0.77	0.73	0.76	0.72	0.68	0.64
3	0.75	0.72	0.70	0.75	0.71	0.68	0.74	0.69	0.65	0.71	0.66	0.62	0.68	0.63	0.59	0.54
4	0.65	0.62	0.60	0.66	0.62	0.59	0.65	0.60	0.57	0.64	0.59	0.54	0.62	0.56	0.51	0.47
5	0.58	0.55	0.53	0.59	0.55	0.52	0.59	0.54	0.50	0.58	0.52	0.48	0.57	0.50	0.45	0.41
6	0.52	0.49	0.48	0.53	0.49	0.47	0.53	0.48	0.45	0.53	0.47	0.43	0.52	0.46	0.41	0.37
7	0.47	0.45	0.43	0.48	0.45	0.42	0.49	0.44	0.41	0.49	0.43	0.39	0.49	0.42	0.37	0.34
8	0.43	0.41	0.39	0.44	0.41	0.39	0.45	0.40	0.37	0.45	0.40	0.36	0.45	0.39	0.34	0.31
9	0.40	0.38	0.36	0.41	0.38	0.36	0.42	0.37	0.34	0.42	0.37	0.33	0.43	0.36	0.31	0.28
10	0.37	0.35	0.34	0.38	0.35	0.33	0.39	0.35	0.32	0.40	0.34	0.30	0.40	0.34	0.29	0.26

Indoor Budgetary Estimate Chart



UGR Glare Index

Ceiling	70	70	50	50	30	70	70	50	50	30	
Wall	50	30	50	30	30	50	30	50	30	30	
Floor	20	20	20	20	20	20	20	20	20	20	
Room Size	Left to light axis direction of observation					Direction of light axis parallel observation					
X	Y										
2H	2H	14.7	15.9	15.0	16.0	16.5	14.5	15.8	14.8	15.9	16.4
	3H	16.4	17.4	16.6	17.7	18.0	16.1	17.3	16.6	17.8	18.0
	4H	17.1	18.0	17.4	18.6	18.7	17.0	17.9	17.2	18.6	18.7
	6H	17.5	18.6	18.0	18.8	19.1	17.4	18.4	17.8	18.8	19.0
	8H	17.9	18.9	18.1	18.9	19.4	17.7	18.7	18.0	19.0	19.3
4H	12H	18.0	18.9	18.3	19.3	19.6	17.8	18.8	18.1	19.2	19.6
	2H	15.8	16.7	15.7	16.9	17.1	15.7	16.6	15.7	16.8	17.1
	3H	17.4	18.3	17.7	18.4	18.9	17.3	18.3	17.6	18.5	18.7
	4H	18.1	19.1	18.5	19.2	19.6	18.0	18.9	18.4	19.1	19.4
	6H	18.9	19.6	19.1	19.7	20.1	18.6	19.4	19.1	19.8	20.0
8H	8H	19.0	19.7	19.4	19.9	20.4	18.9	19.6	19.4	20.0	20.3
	12H	19.3	19.9	19.6	20.0	20.4	19.1	19.8	19.5	20.2	20.4
	4H	18.6	19.1	18.8	19.3	19.9	18.4	19.1	18.7	19.3	19.9
	6H	19.4	19.9	19.7	20.2	20.5	19.3	19.8	19.7	20.3	20.5
	8H	19.7	20.1	20.2	20.5	20.9	19.6	20.0	20.0	20.4	20.9
12H	12H	20.0	20.4	20.4	20.8	21.2	19.8	20.3	20.3	20.8	21.2
	4H	18.6	19.1	19.1	19.4	19.9	18.4	19.1	18.9	19.5	19.8
	6H	19.5	19.9	19.9	20.3	20.6	19.5	20.0	19.8	20.3	20.6
	8H	19.8	20.4	20.4	20.5	21.0	19.7	20.2	20.3	20.5	21.1