

Luminaire Property

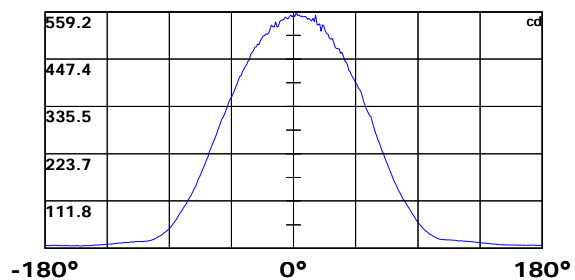
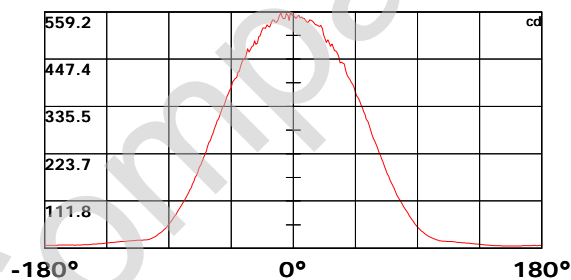
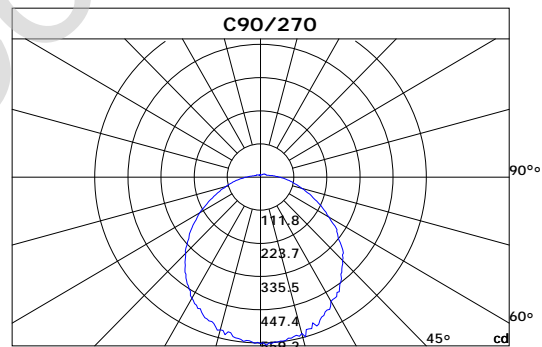
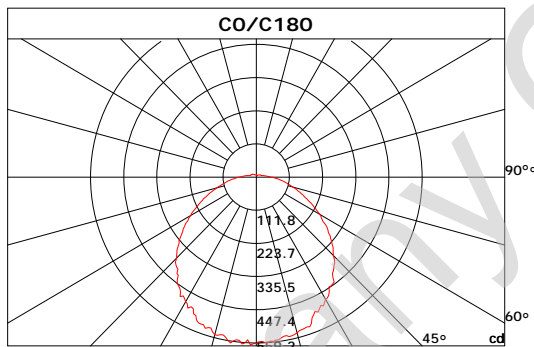
Luminaire Description: 20472LEDD
 Luminaire Category:
 Lamp Category:
 Lamp Description:
 Number of Lamp:
 Lamp Lumens(lm): 1803.36
 Luminous Length(m): 0.0
 Luminous Width(m): 0.0
 Luminous Height(m): 0.0

Voltage: 119.9 V
 Current: 0.22 A
 Power: 24.54 W
 Power Factor: 0.930
 Test Lab:
 Photometric Type: Type C
 Manufactory:

Photometric Results

CIE Class: Direct
 Luminaire Lumens: 1803.36 lm
 Efficiency: 73.4866 lm/W
 Central Intensity: 551.149cd
 Max. Intensity: 559.186cd
 Field Angle(10%Imax): NA

Max.Intensity Angle: C:225.0 G:4.0
 Beam Angle(50%Imax): 109.63, 105.5
 Luminaire Efficacy Rating(LER) : 100.00%
 Upward Ratio: NA
 Downward Ratio: NA
 Beamwidth(50%Imax): H=109.63V=105.5



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	551.1	547.7	544.1	548.4	551.3	545.4	546.6	544.1	543.6	539.4
C45.0	551.1	531.1	532.8	551.2	549.3	542.2	536.2	535.7	533.5	535.7
C90.0	551.1	548.6	557.5	550.5	551.9	548.3	549.0	547.2	548.5	547.5
C135.0	551.1	549.6	546.7	558.1	553.3	550.2	542.7	535.1	537.0	540.9
C180.0	551.1	551.3	557.2	539.2	551.2	555.3	543.9	543.1	547.3	556.7
C225.0	551.1	555.6	553.4	552.3	559.2	551.5	546.4	552.6	547.2	540.0
C270.0	551.1	547.3	551.0	547.6	543.3	543.8	546.6	541.4	540.3	539.5
C315.0	551.1	545.8	549.8	548.7	553.5	552.0	552.7	548.8	549.6	546.0
C360.0	551.1	547.7	544.1	548.4	551.3	545.4	546.6	544.1	543.6	539.4
C\G	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
C0.0	535.0	534.5	539.6	539.0	537.2	533.7	528.6	528.5	526.5	525.0
C45.0	534.6	523.4	529.6	535.7	522.1	512.0	514.3	512.5	505.0	506.9
C90.0	541.4	543.6	540.5	537.6	543.7	536.3	551.0	528.3	528.7	530.5
C135.0	529.3	534.1	538.9	530.9	529.4	523.5	520.8	514.8	514.0	516.6
C180.0	548.8	540.0	534.5	535.7	540.4	540.5	533.2	523.0	524.6	529.1
C225.0	548.3	549.5	547.8	543.2	541.5	535.1	531.4	526.2	524.5	521.1
C270.0	535.8	525.4	523.7	535.5	523.5	523.9	528.2	519.3	509.8	505.7
C315.0	547.7	552.8	546.7	539.8	533.1	532.4	533.1	537.7	537.4	535.2
C360.0	535.0	534.5	539.6	539.0	537.2	533.7	528.6	528.5	526.5	525.0
C\G	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
C0.0	527.5	519.5	503.4	496.0	487.2	493.3	486.1	477.7	483.3	475.0
C45.0	508.7	489.3	490.2	485.4	477.0	471.0	471.6	471.5	467.9	458.7
C90.0	513.9	528.3	525.1	514.2	507.4	505.9	496.6	494.4	495.9	488.1
C135.0	517.3	496.1	498.5	496.3	490.2	481.6	474.3	470.9	465.5	459.4
C180.0	520.2	521.5	520.8	514.2	502.0	500.1	485.2	482.6	491.1	479.9
C225.0	520.1	520.0	517.1	504.1	505.6	506.8	502.2	503.1	494.5	491.1
C270.0	507.2	502.9	502.1	496.8	489.8	481.3	483.5	476.8	474.8	467.8
C315.0	526.0	520.0	515.8	520.6	513.4	505.6	495.7	506.3	500.0	494.4
C360.0	527.5	519.5	503.4	496.0	487.2	493.3	486.1	477.7	483.3	475.0
C\G	G30.0	G31.0	G32.0	G33.0	G34.0	G35.0	G36.0	G37.0	G38.0	G39.0
C0.0	467.6	466.3	461.5	452.8	438.3	440.0	437.7	435.8	419.8	409.4
C45.0	454.3	448.4	437.5	425.7	419.5	410.4	410.2	402.8	391.6	388.4
C90.0	475.5	472.5	472.5	471.2	461.5	463.3	454.3	444.1	440.5	433.1
C135.0	461.8	449.0	445.0	431.7	424.5	423.2	418.5	410.2	398.0	397.4
C180.0	476.7	470.3	464.1	471.5	457.8	449.0	446.1	441.5	432.4	418.2
C225.0	485.2	486.4	472.1	464.8	461.9	457.4	460.7	446.4	446.9	438.9
C270.0	463.8	458.5	445.6	443.1	434.6	430.6	423.7	418.8	408.4	406.0
C315.0	490.8	487.3	485.6	479.5	472.9	470.3	458.2	448.9	451.2	443.3
C360.0	467.6	466.3	461.5	452.8	438.3	440.0	437.7	435.8	419.8	409.4

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	404.2	398.9	392.7	388.3	380.5	369.0	360.6	355.0	349.5	339.9
C45.0	383.4	370.8	366.9	357.6	346.8	341.6	336.0	329.3	317.4	313.4
C90.0	420.4	417.6	409.7	403.2	398.8	391.2	386.7	377.8	375.5	367.4
C135.0	388.4	380.6	373.3	364.7	357.7	349.8	342.8	332.3	323.1	313.1
C180.0	416.7	403.5	401.2	397.2	392.9	380.1	373.4	366.3	359.6	348.5
C225.0	432.0	421.6	418.4	412.7	407.9	399.2	385.0	384.9	380.0	371.3
C270.0	397.9	387.5	380.6	372.3	363.9	356.7	353.2	343.8	333.1	326.7
C315.0	435.0	438.1	425.0	420.9	413.9	410.0	390.5	387.2	379.9	378.3
C360.0	404.2	398.9	392.7	388.3	380.5	369.0	360.6	355.0	349.5	339.9
C\G	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	331.7	322.4	317.2	304.4	299.7	290.9	281.5	268.4	259.7	254.8
C45.0	302.1	292.0	282.3	271.6	263.3	252.8	247.7	239.2	230.1	221.4
C90.0	356.4	345.0	334.8	327.5	321.3	313.7	311.7	299.1	286.4	275.9
C135.0	307.6	301.5	288.0	281.5	273.6	260.4	254.1	246.2	234.6	224.5
C180.0	338.8	335.4	325.1	315.6	307.0	301.5	291.8	284.0	272.3	265.4
C225.0	363.5	353.8	348.3	337.0	332.5	318.2	314.6	305.4	298.7	291.1
C270.0	316.8	310.0	305.1	294.6	286.5	278.7	268.8	259.1	252.5	244.6
C315.0	372.1	360.5	349.9	340.0	335.7	327.6	320.3	308.9	302.5	291.9
C360.0	331.7	322.4	317.2	304.4	299.7	290.9	281.5	268.4	259.7	254.8
C\G	G60.0	G61.0	G62.0	G63.0	G64.0	G65.0	G66.0	G67.0	G68.0	G69.0
C0.0	246.7	237.7	227.9	219.7	211.4	204.3	193.4	185.6	176.5	170.2
C45.0	212.8	205.6	198.8	190.8	181.2	175.3	167.6	161.1	154.5	146.6
C90.0	267.7	256.1	250.2	240.8	231.5	224.3	214.9	205.9	198.0	189.6
C135.0	216.9	208.8	202.9	192.2	186.1	176.8	169.3	162.6	154.3	151.2
C180.0	255.5	250.1	240.8	229.9	220.1	212.4	205.0	197.1	191.6	181.1
C225.0	283.4	271.9	266.7	255.9	248.7	237.8	228.2	221.0	212.5	203.9
C270.0	235.4	228.5	216.9	208.9	200.7	192.9	185.1	176.6	170.1	162.6
C315.0	281.6	273.3	264.4	253.5	247.4	240.0	231.0	219.9	212.7	205.3
C360.0	246.7	237.7	227.9	219.7	211.4	204.3	193.4	185.6	176.5	170.2
C\G	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	161.8	155.5	147.9	141.5	134.1	126.8	120.0	115.3	109.7	103.7
C45.0	138.5	133.7	126.6	120.9	115.7	110.1	105.1	98.2	92.3	87.0
C90.0	182.7	175.4	165.6	158.0	152.2	143.7	137.5	130.5	125.2	118.7
C135.0	145.5	134.9	128.3	121.9	116.0	112.2	105.2	99.9	94.9	89.6
C180.0	173.2	167.0	157.9	152.2	143.1	137.3	130.2	124.0	117.4	112.5
C225.0	197.4	185.8	176.8	171.3	161.5	152.7	146.4	137.3	130.5	125.9
C270.0	153.7	145.7	140.3	133.7	126.3	121.0	115.6	110.0	103.6	99.5
C315.0	197.6	188.0	179.9	172.0	162.8	157.0	147.5	140.2	134.8	127.9
C360.0	161.8	155.5	147.9	141.5	134.1	126.8	120.0	115.3	109.7	103.7

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	98.0	92.9	89.0	83.3	77.3	72.6	67.5	63.7	58.6	53.8
C45.0	82.1	76.0	70.2	64.5	59.7	55.7	50.4	46.7	43.5	40.6
C90.0	112.8	108.2	102.2	96.7	92.0	87.1	81.9	76.9	71.3	66.3
C135.0	84.8	78.8	71.7	67.4	61.8	57.5	52.2	48.4	45.1	42.3
C180.0	105.8	100.7	96.4	90.3	85.1	79.8	75.5	70.3	65.4	61.1
C225.0	119.9	113.2	109.0	103.4	98.5	92.0	87.9	82.4	76.0	70.8
C270.0	94.4	88.6	83.7	78.8	73.5	68.5	63.3	58.9	54.7	50.2
C315.0	120.9	116.3	110.7	104.2	99.8	92.3	88.1	82.7	77.1	70.9
C360.0	98.0	92.9	89.0	83.3	77.3	72.6	67.5	63.7	58.6	53.8
C\G	G90.0	G91.0	G92.0	G93.0	G94.0	G95.0	G96.0	G97.0	G98.0	G99.0
C0.0	50.2	46.4	43.3	40.3	37.8	35.3	33.0	30.6	28.5	26.8
C45.0	37.5	35.5	33.6	31.6	29.9	28.3	26.9	25.9	24.3	23.3
C90.0	61.8	58.0	53.5	50.1	46.7	43.4	40.7	38.2	35.3	32.8
C135.0	39.3	36.8	34.7	32.9	31.4	29.4	28.3	26.8	25.6	24.3
C180.0	56.8	52.9	49.0	45.6	42.9	39.7	37.4	34.6	32.3	30.0
C225.0	65.2	60.6	55.3	50.2	46.4	43.2	40.3	37.3	34.8	32.8
C270.0	46.6	43.4	40.4	37.8	35.6	32.9	30.5	28.6	27.0	24.6
C315.0	65.7	60.1	55.7	51.3	47.0	43.3	40.4	37.5	34.9	32.5
C360.0	50.2	46.4	43.3	40.3	37.8	35.3	33.0	30.6	28.5	26.8
C\G	G100.0	G101.0	G102.0	G103.0	G104.0	G105.0	G106.0	G107.0	G108.0	G109.0
C0.0	25.3	23.8	22.0	21.0	19.6	19.1	17.8	17.2	17.2	17.0
C45.0	22.1	21.4	20.8	20.0	19.6	19.2	19.0	19.2	19.1	19.0
C90.0	31.0	28.9	27.0	25.3	23.8	22.4	21.5	20.7	20.5	20.4
C135.0	23.6	23.0	21.8	21.2	20.8	20.4	20.2	19.9	20.1	20.1
C180.0	27.8	25.8	24.2	22.6	21.6	20.6	20.1	19.8	19.7	19.2
C225.0	30.5	28.7	26.9	25.5	23.9	23.0	21.6	20.8	19.7	19.0
C270.0	23.4	21.6	20.5	19.2	18.2	17.5	17.1	16.8	16.7	16.4
C315.0	30.2	28.5	26.8	25.1	23.9	22.6	21.6	20.6	19.7	18.9
C360.0	25.3	23.8	22.0	21.0	19.6	19.1	17.8	17.2	17.2	17.0
C\G	G110.0	G111.0	G112.0	G113.0	G114.0	G115.0	G116.0	G117.0	G118.0	G119.0
C0.0	16.7	16.2	16.3	16.4	15.9	15.7	15.4	15.3	14.6	14.2
C45.0	18.8	18.5	18.4	18.0	17.6	17.3	17.0	16.8	16.2	15.9
C90.0	20.1	19.7	19.5	19.6	19.6	19.3	19.1	18.8	18.5	18.1
C135.0	19.8	19.4	19.2	18.9	18.8	18.5	18.0	17.9	17.6	17.3
C180.0	19.3	18.9	18.9	18.8	18.7	18.4	18.2	17.8	17.4	17.4
C225.0	18.2	18.0	17.2	17.0	16.9	16.8	16.6	16.5	16.5	16.2
C270.0	16.4	16.3	16.0	15.8	15.7	15.3	14.9	15.0	14.5	14.2
C315.0	18.3	17.6	17.2	17.0	16.9	16.8	16.7	16.5	16.3	16.2
C360.0	16.7	16.2	16.3	16.4	15.9	15.7	15.4	15.3	14.6	14.2

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	14.1	13.8	13.3	13.2	13.0	12.7	12.6	12.1	11.5	11.2
C45.0	15.7	15.7	15.0	14.8	14.3	13.9	13.7	13.5	12.9	13.2
C90.0	18.0	17.7	17.6	17.1	16.8	16.6	16.2	16.2	15.7	15.5
C135.0	16.8	16.6	16.3	15.9	15.6	15.5	14.9	14.6	14.3	13.9
C180.0	17.2	16.8	16.5	16.2	15.9	15.9	15.3	15.0	14.7	14.4
C225.0	15.6	15.3	15.4	15.0	14.7	14.5	14.1	14.0	13.9	13.3
C270.0	14.2	13.9	13.5	13.2	12.9	12.7	12.2	12.0	11.6	11.2
C315.0	15.9	15.6	15.4	15.1	14.8	14.4	14.5	14.1	13.8	13.6
C360.0	14.1	13.8	13.3	13.2	13.0	12.7	12.6	12.1	11.5	11.2
C\G	G130.0	G131.0	G132.0	G133.0	G134.0	G135.0	G136.0	G137.0	G138.0	G139.0
C0.0	10.8	10.7	10.0	9.8	9.7	9.3	9.2	8.6	8.4	8.0
C45.0	12.4	12.4	12.0	11.9	11.6	11.6	10.9	10.6	10.3	10.2
C90.0	15.1	14.6	14.4	14.1	13.4	13.1	12.8	12.4	12.4	11.9
C135.0	13.8	13.3	13.0	12.6	12.5	12.0	11.8	11.5	11.2	11.0
C180.0	14.0	13.7	13.5	13.2	12.9	12.5	12.2	11.7	11.3	11.0
C225.0	13.0	13.1	12.8	12.5	12.3	12.3	12.0	11.5	11.5	11.1
C270.0	11.0	10.8	10.4	10.2	9.8	9.5	9.3	8.9	8.6	8.7
C315.0	13.3	13.1	12.9	12.6	12.4	12.1	12.1	11.7	11.5	11.4
C360.0	10.8	10.7	10.0	9.8	9.7	9.3	9.2	8.6	8.4	8.0
C\G	G140.0	G141.0	G142.0	G143.0	G144.0	G145.0	G146.0	G147.0	G148.0	G149.0
C0.0	7.6	7.6	7.3	7.2	7.0	6.7	6.3	6.2	5.9	5.9
C45.0	10.0	9.8	9.3	9.2	8.8	8.6	7.9	7.8	7.6	7.5
C90.0	11.4	11.2	10.9	10.9	10.5	10.0	9.9	9.4	9.0	8.7
C135.0	10.7	10.5	10.2	9.9	9.4	9.2	8.7	8.6	8.2	7.8
C180.0	10.8	10.6	10.5	10.3	9.8	9.7	9.4	9.1	8.8	8.7
C225.0	11.0	10.7	10.4	10.0	10.1	9.9	9.5	9.5	9.2	8.7
C270.0	8.1	7.9	7.8	7.5	7.5	6.9	7.1	6.5	6.5	6.3
C315.0	11.1	10.9	10.6	10.4	10.1	9.7	9.5	9.3	9.0	8.8
C360.0	7.6	7.6	7.3	7.2	7.0	6.7	6.3	6.2	5.9	5.9
C\G	G150.0	G151.0	G152.0	G153.0	G154.0	G155.0	G156.0	G157.0	G158.0	G159.0
C0.0	5.9	5.8	5.5	5.7	5.5	5.7	5.6	5.6	5.7	5.6
C45.0	7.2	7.2	7.2	7.0	7.3	6.8	7.2	7.1	7.0	6.9
C90.0	8.6	8.4	8.3	7.9	8.0	7.7	7.5	7.5	7.7	7.4
C135.0	7.7	7.4	7.4	7.4	7.4	7.5	7.3	7.4	7.2	7.2
C180.0	8.6	8.4	8.1	7.9	7.8	7.7	7.6	7.5	7.3	7.6
C225.0	8.6	8.1	7.8	7.8	7.3	7.5	7.1	6.8	6.3	6.1
C270.0	6.3	6.0	5.9	5.6	5.7	5.7	5.8	5.9	5.9	5.8
C315.0	8.6	8.2	7.9	7.8	7.6	7.3	7.1	6.7	6.8	6.5
C360.0	5.9	5.8	5.5	5.7	5.5	5.7	5.6	5.6	5.7	5.6

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	5.8	5.6	5.7	5.6	5.7	5.7	5.9	6.0	6.0	6.3
C45.0	7.1	6.9	7.4	7.1	7.4	7.2	7.2	6.9	7.3	7.0
C90.0	7.4	7.5	7.3	7.5	7.3	7.5	7.7	7.3	7.8	7.4
C135.0	7.2	7.1	7.2	7.3	7.2	7.4	7.1	7.2	7.2	7.1
C180.0	7.5	7.6	7.4	7.4	7.5	7.6	7.5	7.4	7.5	7.4
C225.0	5.8	6.1	5.9	6.0	6.2	6.0	6.6	6.2	6.3	6.6
C270.0	6.0	5.8	5.9	6.2	6.2	6.4	6.6	6.4	6.6	6.5
C315.0	6.2	6.5	6.3	6.5	6.6	6.5	6.6	6.6	6.7	6.6
C360.0	5.8	5.6	5.7	5.6	5.7	5.7	5.9	6.0	6.0	6.3
C\G	G170.0	G171.0	G172.0	G173.0	G174.0	G175.0	G176.0	G177.0	G178.0	G179.0
C0.0	6.3	6.6	6.5	6.6	7.0	6.8	6.7	6.6	7.0	7.0
C45.0	7.2	7.1	7.0	6.9	6.6	7.1	7.1	7.0	7.2	6.6
C90.0	7.2	7.5	7.2	7.5	7.5	7.3	7.4	7.1	7.1	7.2
C135.0	7.0	7.3	7.0	7.2	6.9	7.0	6.9	6.8	7.0	6.9
C180.0	7.5	7.3	7.4	7.3	7.2	7.1	7.2	7.0	7.0	7.1
C225.0	6.4	6.5	6.4	6.6	6.3	6.7	6.4	6.6	6.7	6.3
C270.0	7.0	6.6	6.9	7.0	6.8	6.8	6.5	6.6	7.0	6.8
C315.0	6.3	6.6	6.8	6.6	6.7	6.8	6.7	6.8	6.8	6.5
C360.0	6.3	6.6	6.5	6.6	7.0	6.8	6.7	6.6	7.0	7.0
C\G	G180.0									
C0.0	6.7									
C45.0	6.8									
C90.0	7.0									
C135.0	7.0									
C180.0	7.1									
C225.0	6.6									
C270.0	6.7									
C315.0	6.7									
C360.0	6.7									

Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0.0	551.15	0.00	0.00	0.00	0.00
0.0-1.0	547.12	0.53	0.53	0.03	0.03
1.0-2.0	549.08	1.57	2.10	0.09	0.12
2.0-3.0	549.50	2.63	4.73	0.15	0.26
3.0-4.0	551.61	3.69	8.41	0.20	0.47
4.0-5.0	548.60	4.73	13.15	0.26	0.73
5.0-6.0	545.51	5.75	18.89	0.32	1.05
6.0-7.0	543.48	6.76	25.65	0.37	1.42
7.0-8.0	543.38	7.78	33.43	0.43	1.85
8.0-9.0	543.21	8.81	42.24	0.49	2.34
9.0-10.0	540.12	9.80	52.04	0.54	2.89
10.0-11.0	537.91	10.77	62.81	0.60	3.48
11.0-12.0	537.67	11.76	74.57	0.65	4.14
12.0-13.0	537.18	12.76	87.33	0.71	4.84
13.0-14.0	533.85	13.71	101.04	0.76	5.60
14.0-15.0	529.67	14.60	115.64	0.81	6.41
15.0-16.0	530.07	15.53	131.17	0.86	7.27
16.0-17.0	523.79	16.41	147.58	0.91	8.18
17.0-18.0	521.31	17.23	164.81	0.96	9.14
18.0-19.0	521.27	18.14	182.95	1.01	10.14
19.0-20.0	517.60	19.01	201.96	1.05	11.20
20.0-21.0	512.21	19.77	221.74	1.10	12.30
21.0-22.0	509.14	20.52	242.26	1.14	13.43
22.0-23.0	503.47	21.25	263.51	1.18	14.61
23.0-24.0	496.58	21.86	285.37	1.21	15.82
24.0-25.0	493.20	22.51	307.88	1.25	17.07
25.0-26.0	486.91	23.14	331.01	1.28	18.36
26.0-27.0	485.41	23.79	354.80	1.32	19.67
27.0-28.0	484.12	24.55	379.35	1.36	21.04
28.0-29.0	476.79	25.14	404.49	1.39	22.43
29.0-30.0	471.97	25.62	430.10	1.42	23.85
30.0-31.0	467.32	26.14	456.24	1.45	25.30
31.0-32.0	460.49	26.58	482.82	1.47	26.77
32.0-33.0	455.05	26.97	509.80	1.50	28.27
33.0-34.0	446.37	27.28	537.08	1.51	29.78
34.0-35.0	443.04	27.62	564.70	1.53	31.31
35.0-36.0	438.66	28.07	592.77	1.56	32.87
36.0-37.0	431.06	28.37	621.14	1.57	34.44
37.0-38.0	423.60	28.53	649.66	1.58	36.03
38.0-39.0	416.82	28.69	678.35	1.59	37.62
39.0-40.0	409.76	28.83	707.18	1.60	39.21

Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
40.0-41.0	402.32	28.92	736.10	1.60	40.82
41.0-42.0	395.96	29.00	765.10	1.61	42.43
42.0-43.0	389.60	29.10	794.20	1.61	44.04
43.0-44.0	382.79	29.15	823.35	1.62	45.66
44.0-45.0	374.71	29.11	852.46	1.61	47.27
45.0-46.0	366.03	28.97	881.43	1.61	48.88
46.0-47.0	359.60	28.86	910.29	1.60	50.48
47.0-48.0	352.25	28.78	939.07	1.60	52.07
48.0-49.0	344.81	28.63	967.69	1.59	53.66
49.0-50.0	336.10	28.39	996.08	1.57	55.23
50.0-51.0	327.58	28.08	1024.16	1.56	56.79
51.0-52.0	318.85	27.74	1051.90	1.54	58.33
52.0-53.0	309.03	27.31	1079.21	1.51	59.84
53.0-54.0	302.46	26.95	1106.17	1.49	61.34
54.0-55.0	292.98	26.58	1132.74	1.47	62.81
55.0-56.0	286.31	26.18	1158.92	1.45	64.26
56.0-57.0	276.27	25.72	1184.64	1.43	65.69
57.0-58.0	267.10	25.13	1209.77	1.39	67.08
58.0-59.0	258.69	24.58	1234.35	1.36	68.45
59.0-60.0	249.98	24.03	1258.38	1.33	69.78
60.0-61.0	241.49	23.45	1281.84	1.30	71.08
61.0-62.0	233.58	22.89	1304.73	1.27	72.35
62.0-63.0	223.96	22.25	1326.98	1.23	73.58
63.0-64.0	215.88	21.58	1348.56	1.20	74.78
64.0-65.0	207.98	20.98	1369.54	1.16	75.94
65.0-66.0	199.30	20.32	1389.86	1.13	77.07
66.0-67.0	191.24	19.64	1409.50	1.09	78.16
67.0-68.0	183.79	19.00	1428.50	1.05	79.21
68.0-69.0	176.31	18.37	1446.87	1.02	80.23
69.0-70.0	168.79	17.72	1464.59	0.98	81.21
70.0-71.0	160.73	17.03	1481.62	0.94	82.16
71.0-72.0	152.90	16.31	1497.93	0.90	83.06
72.0-73.0	146.43	15.65	1513.58	0.87	83.93
73.0-74.0	138.97	15.00	1528.59	0.83	84.76
74.0-75.0	132.61	14.35	1542.94	0.80	85.56
75.0-76.0	125.95	13.73	1556.66	0.76	86.32
76.0-77.0	119.44	13.08	1569.75	0.73	87.05
77.0-78.0	113.57	12.47	1582.22	0.69	87.74
78.0-79.0	108.11	11.91	1594.13	0.66	88.40
79.0-80.0	102.34	11.35	1605.48	0.63	89.03
80.0-81.0	96.83	10.77	1616.25	0.60	89.62

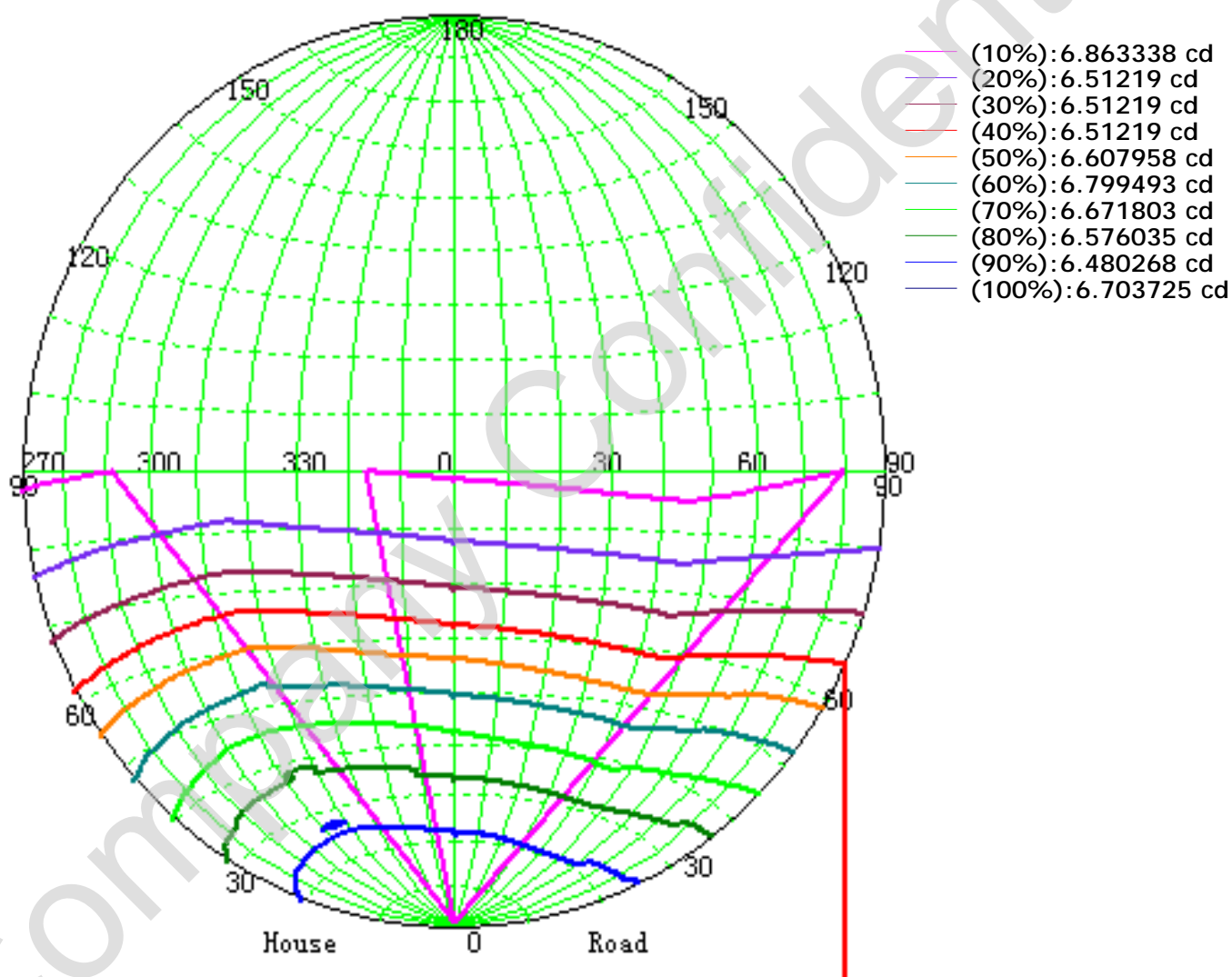
Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
81.0-82.0	91.63	10.22	1626.47	0.57	90.19
82.0-83.0	86.08	9.66	1636.13	0.54	90.73
83.0-84.0	80.96	9.10	1645.23	0.50	91.23
84.0-85.0	75.68	8.55	1653.78	0.47	91.71
85.0-86.0	70.86	8.01	1661.79	0.44	92.15
86.0-87.0	66.26	7.50	1669.29	0.42	92.57
87.0-88.0	61.49	7.00	1676.29	0.39	92.95
88.0-89.0	57.01	6.49	1682.78	0.36	93.31
89.0-90.0	52.90	6.03	1688.81	0.33	93.65
90.0-91.0	49.22	5.60	1694.41	0.31	93.96
91.0-92.0	45.69	5.20	1699.61	0.29	94.25
92.0-93.0	42.48	4.83	1704.44	0.27	94.51
93.0-94.0	39.71	4.50	1708.94	0.25	94.76
94.0-95.0	36.92	4.19	1713.13	0.23	95.00
95.0-96.0	34.70	3.91	1717.04	0.22	95.21
96.0-97.0	32.44	3.66	1720.69	0.20	95.42
97.0-98.0	30.35	3.41	1724.11	0.19	95.61
98.0-99.0	28.41	3.19	1727.29	0.18	95.78
99.0-100.0	26.72	2.98	1730.27	0.17	95.95
100.0-101.0	25.21	2.80	1733.07	0.16	96.10
101.0-102.0	23.76	2.63	1735.70	0.15	96.25
102.0-103.0	22.49	2.48	1738.18	0.14	96.39
103.0-104.0	21.43	2.34	1740.52	0.13	96.52
104.0-105.0	20.59	2.23	1742.75	0.12	96.64
105.0-106.0	19.87	2.14	1744.89	0.12	96.76
106.0-107.0	19.37	2.06	1746.95	0.11	96.87
107.0-108.0	19.09	2.01	1748.96	0.11	96.98
108.0-109.0	18.77	1.97	1750.93	0.11	97.09
109.0-110.0	18.47	1.92	1752.86	0.11	97.20
110.0-111.0	18.08	1.88	1754.73	0.10	97.30
111.0-112.0	17.83	1.83	1756.57	0.10	97.41
112.0-113.0	17.70	1.80	1758.37	0.10	97.51
113.0-114.0	17.51	1.77	1760.14	0.10	97.60
114.0-115.0	17.27	1.74	1761.87	0.10	97.70
115.0-116.0	16.98	1.69	1763.57	0.09	97.79
116.0-117.0	16.83	1.66	1765.23	0.09	97.89
117.0-118.0	16.45	1.62	1766.85	0.09	97.98
118.0-119.0	16.17	1.57	1768.42	0.09	98.06
119.0-120.0	15.94	1.53	1769.95	0.08	98.15
120.0-121.0	15.67	1.49	1771.44	0.08	98.23
121.0-122.0	15.38	1.45	1772.89	0.08	98.31

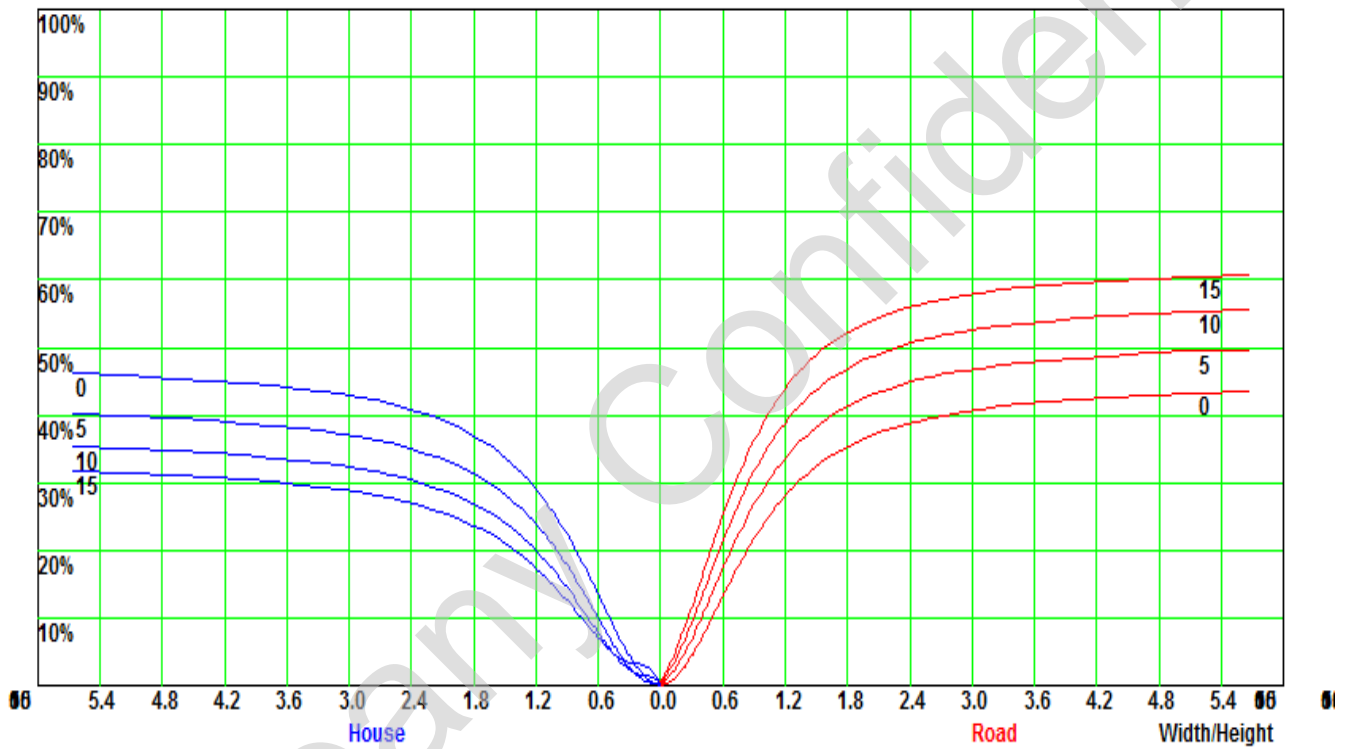
Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
122.0-123.0	15.07	1.41	1774.30	0.08	98.39
123.0-124.0	14.74	1.36	1775.67	0.08	98.46
124.0-125.0	14.51	1.32	1776.99	0.07	98.54
125.0-126.0	14.19	1.28	1778.27	0.07	98.61
126.0-127.0	13.95	1.24	1779.51	0.07	98.68
127.0-128.0	13.54	1.20	1780.71	0.07	98.74
128.0-129.0	13.30	1.15	1781.86	0.06	98.81
129.0-130.0	12.92	1.11	1782.97	0.06	98.87
130.0-131.0	12.71	1.07	1784.04	0.06	98.93
131.0-132.0	12.38	1.03	1785.07	0.06	98.99
132.0-133.0	12.11	0.99	1786.06	0.05	99.04
133.0-134.0	11.85	0.95	1787.01	0.05	99.09
134.0-135.0	11.55	0.91	1787.92	0.05	99.14
135.0-136.0	11.29	0.88	1788.80	0.05	99.19
136.0-137.0	10.87	0.84	1789.64	0.05	99.24
137.0-138.0	10.64	0.80	1790.44	0.04	99.28
138.0-139.0	10.43	0.77	1791.20	0.04	99.33
139.0-140.0	10.10	0.73	1791.93	0.04	99.37
140.0-141.0	9.91	0.70	1792.63	0.04	99.40
141.0-142.0	9.63	0.67	1793.30	0.04	99.44
142.0-143.0	9.43	0.64	1793.93	0.04	99.48
143.0-144.0	9.13	0.61	1794.54	0.03	99.51
144.0-145.0	8.84	0.57	1795.11	0.03	99.54
145.0-146.0	8.54	0.54	1795.65	0.03	99.57
146.0-147.0	8.31	0.51	1796.16	0.03	99.60
147.0-148.0	8.04	0.48	1796.64	0.03	99.63
148.0-149.0	7.79	0.45	1797.09	0.03	99.65
149.0-150.0	7.67	0.43	1797.53	0.02	99.68
150.0-151.0	7.44	0.41	1797.93	0.02	99.70
151.0-152.0	7.27	0.38	1798.32	0.02	99.72
152.0-153.0	7.15	0.37	1798.68	0.02	99.74
153.0-154.0	7.09	0.35	1799.03	0.02	99.76
154.0-155.0	6.98	0.33	1799.36	0.02	99.78
155.0-156.0	6.88	0.32	1799.68	0.02	99.80
156.0-157.0	6.79	0.30	1799.98	0.02	99.81
157.0-158.0	6.74	0.28	1800.26	0.02	99.83
158.0-159.0	6.64	0.27	1800.53	0.01	99.84
159.0-160.0	6.64	0.26	1800.79	0.01	99.86
160.0-161.0	6.64	0.24	1801.03	0.01	99.87
161.0-162.0	6.64	0.23	1801.26	0.01	99.88
162.0-163.0	6.71	0.22	1801.48	0.01	99.90

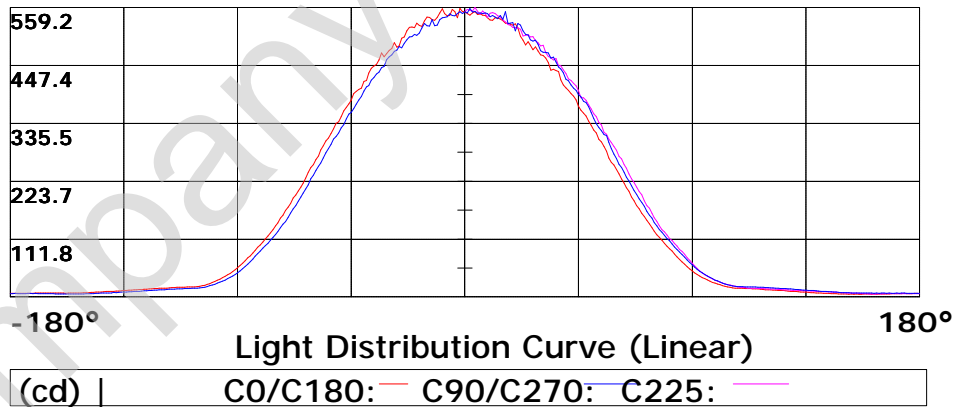
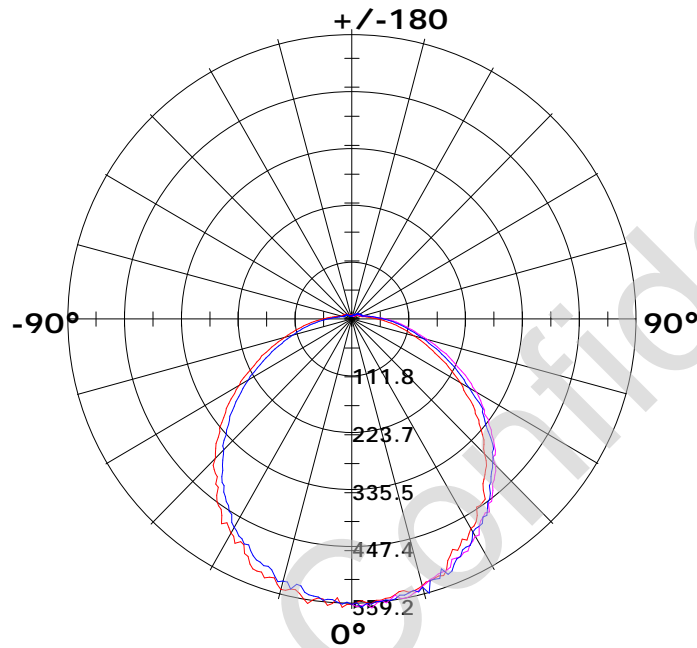
Iso-Candela [cd]

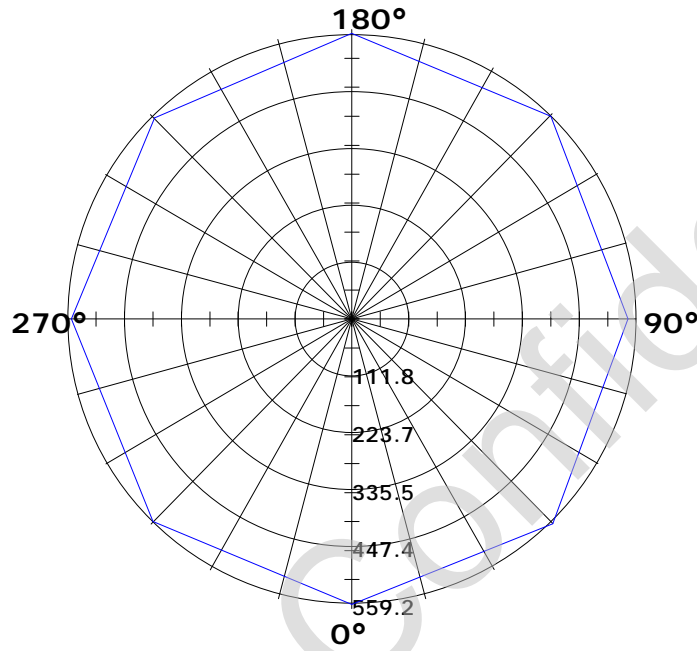


Coefficient Utilization Curve



Light Distribution Curve [Unit: cd]

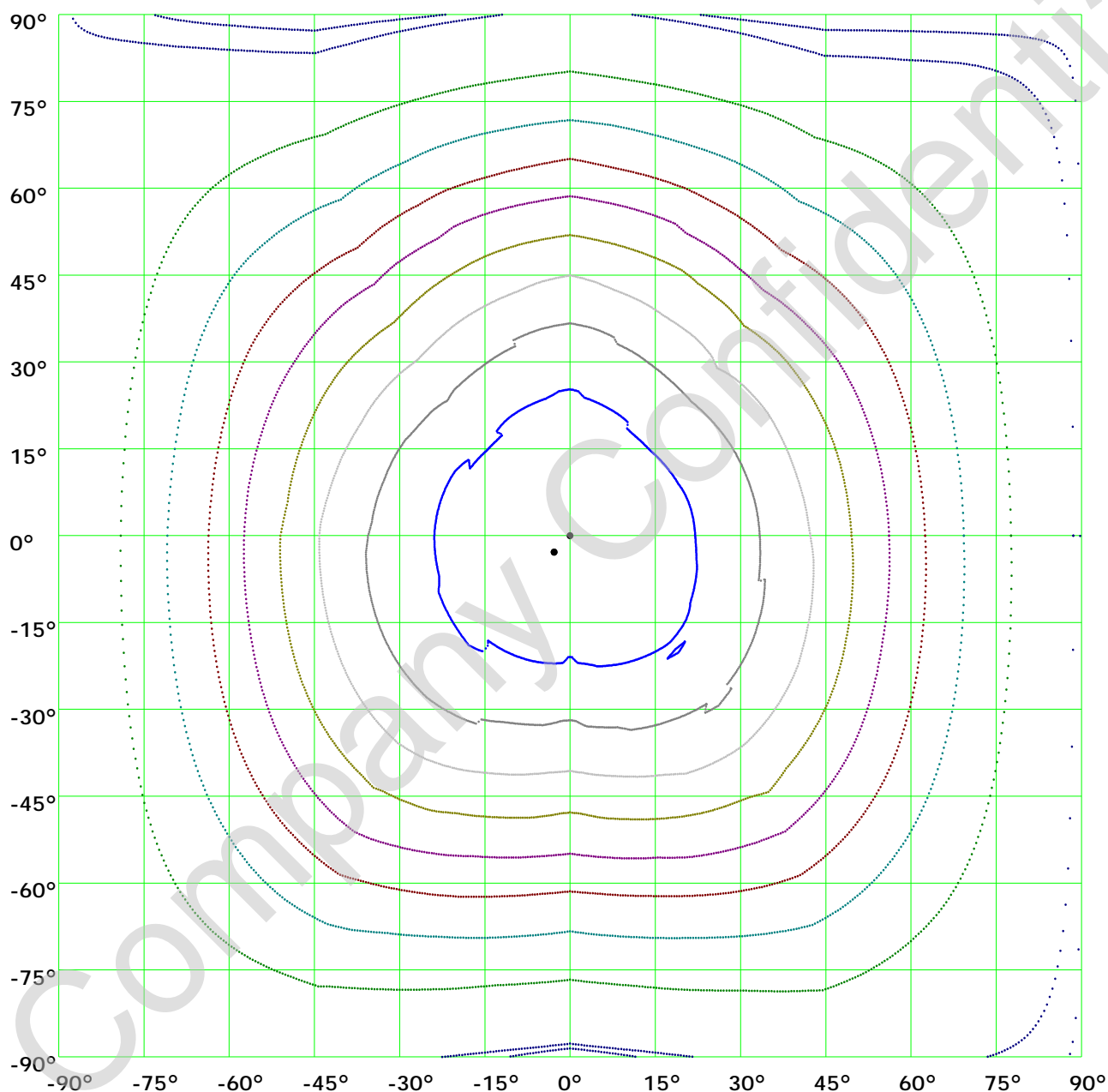




559.2						
447.4						
335.5						
223.7						
111.8						

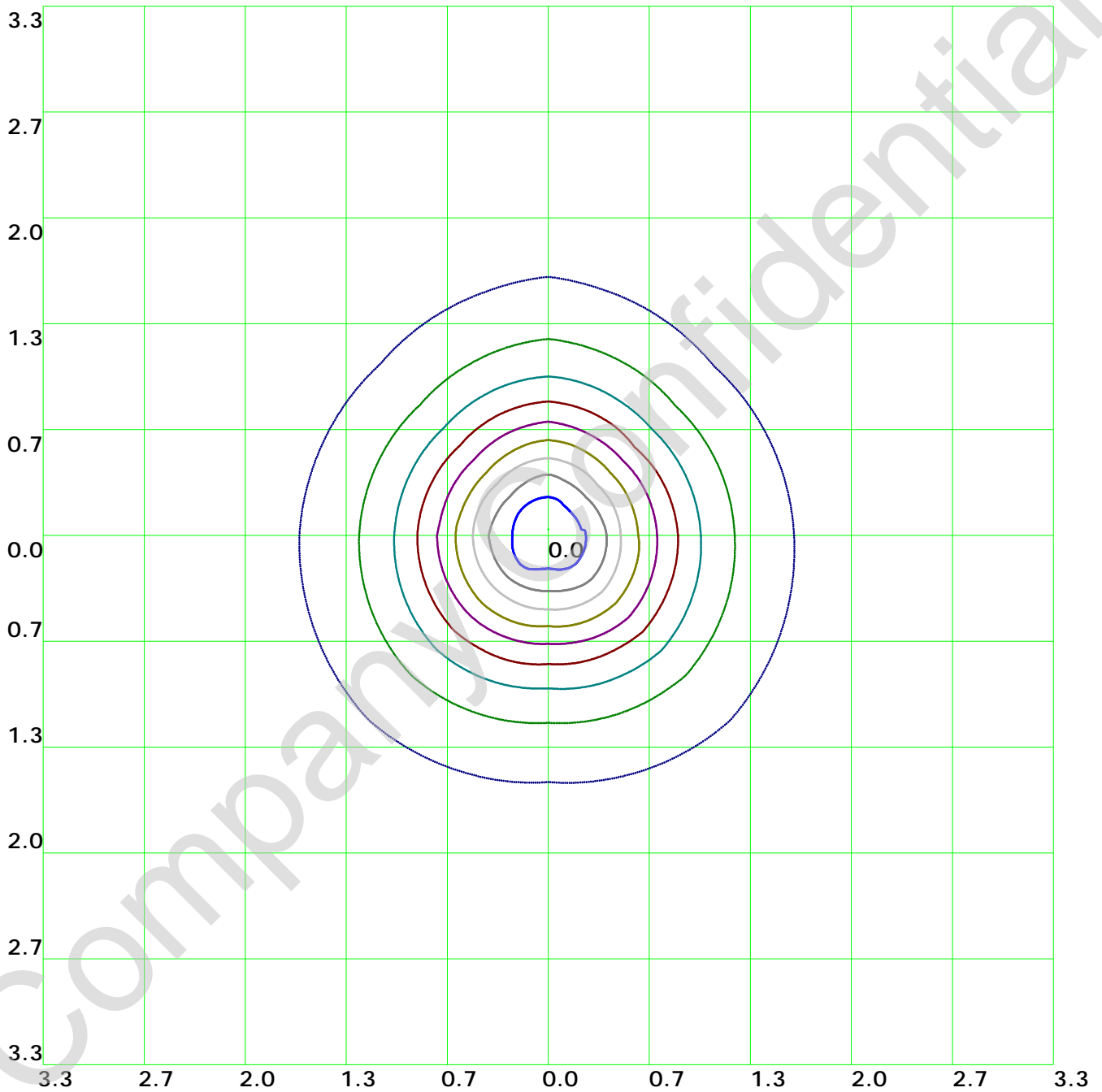
-180° Light Distribution Curve (Linear) 180°
 (cd) | γ4: —

Isocandela(rectangle)



— (10%): 55.9cd	— (20%): 111.8cd	— (30%): 167.8cd	— (40%): 223.7cd
— (50%): 279.6cd	— (60%): 335.5cd	— (70%): 391.4cd	— (80%): 447.3cd
— (90%): 503.3cd	— (100%): 559.2cd		

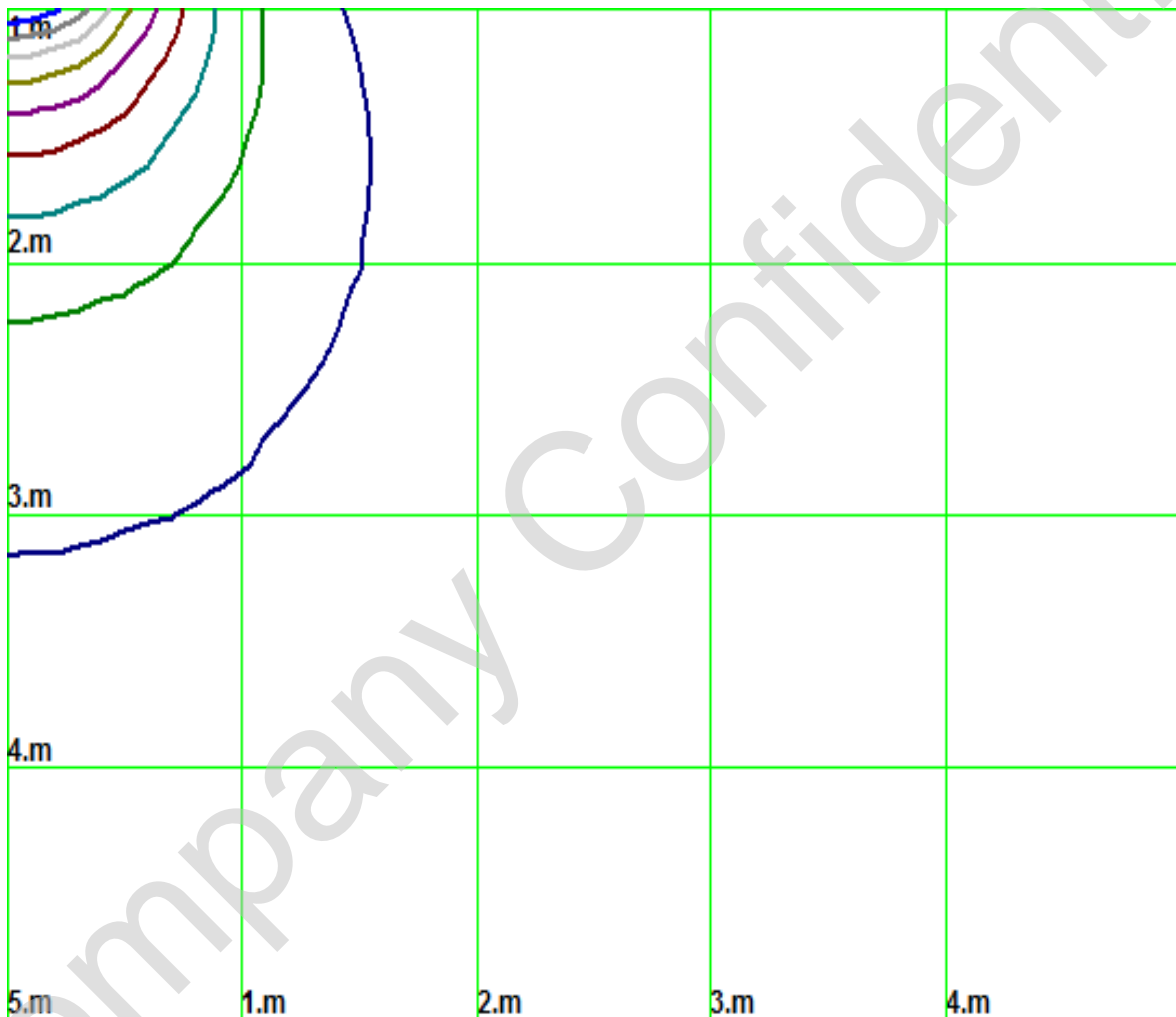
Isolx curve



Height: 1 m

- | | | | |
|------------------|-------------------|------------------|------------------|
| — (10%): 55.9lx | — (20%): 111.8lx | — (30%): 167.8lx | — (40%): 223.7lx |
| — (50%): 279.6lx | — (60%): 335.5lx | — (70%): 391.4lx | — (80%): 447.4lx |
| — (90%): 503.3lx | — (100%): 558.6lx | | |

Space Isolx Curve



— (10%): 55.9lx
 — (20%): 111.8lx
 — (30%): 167.8lx
 — (40%): 223.7lx
— (50%): 279.6lx
 — (60%): 335.5lx
 — (70%): 391.4lx
 — (80%): 447.4lx
— (90%): 503.3lx
 — (100%): 558.6lx

Luminance Limiting Curve

Diameter: 0mm

Length: 0mm

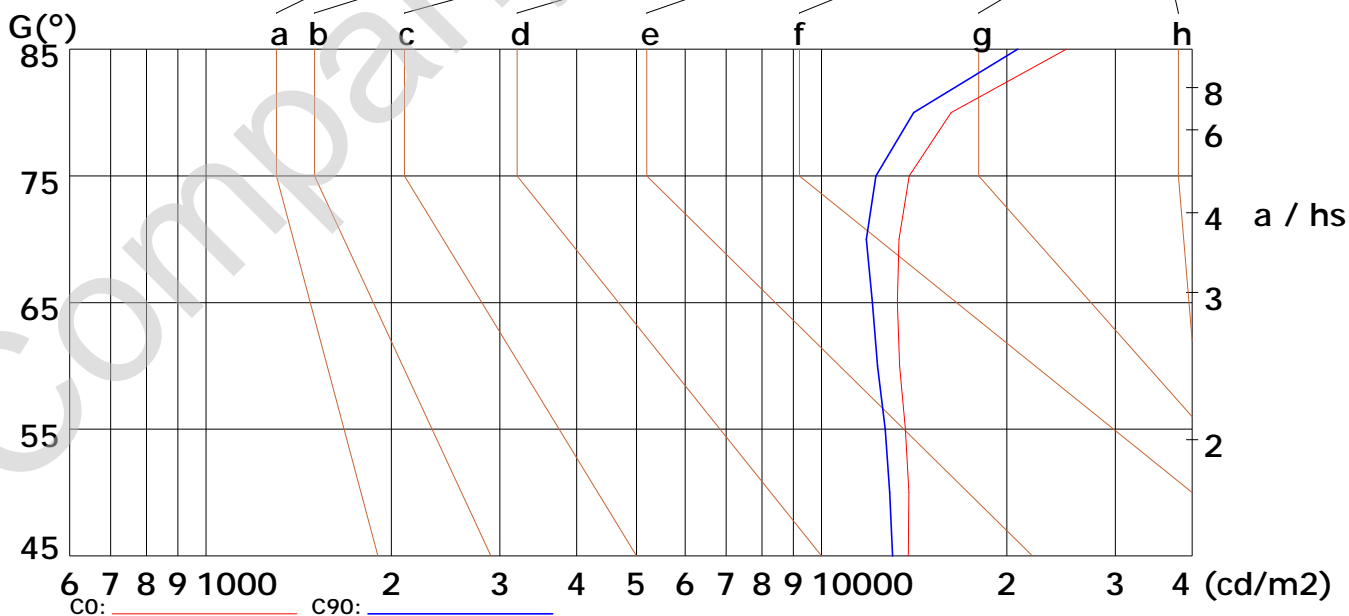
Width: 0mm

Height: 0mm

(cd/m²)

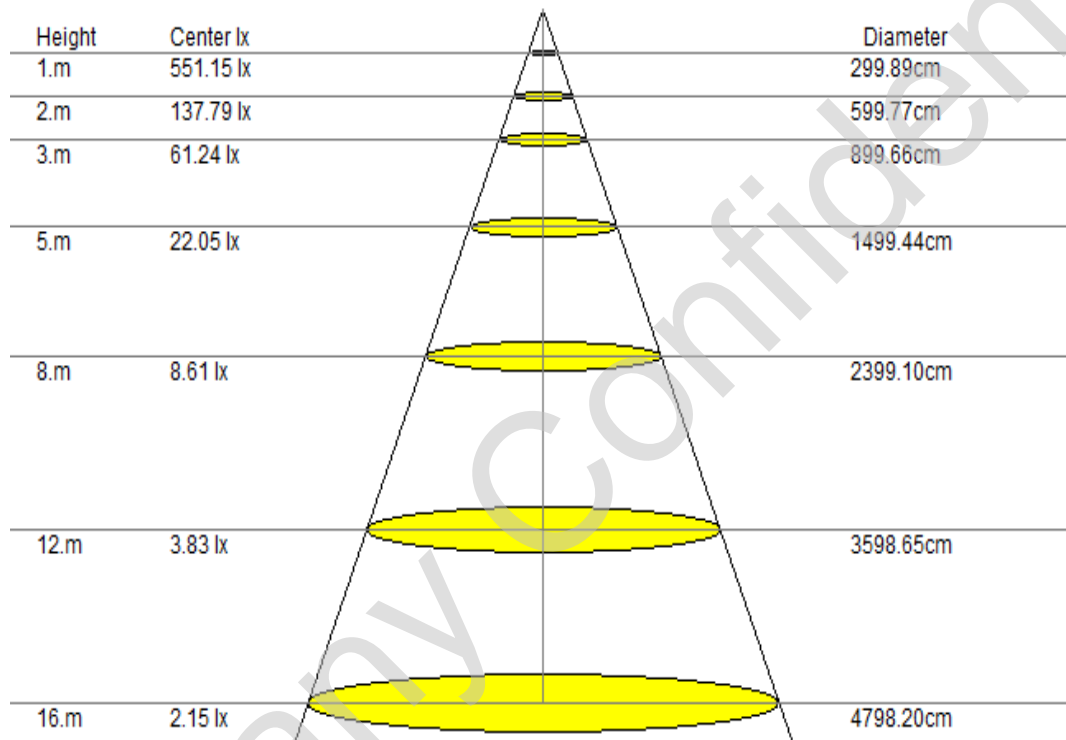
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	13830	13860	13672	13384	13270	13356	13879	16237	24998
C90	13047	12900	12678	12333	12086	11823	12251	14114	20822

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

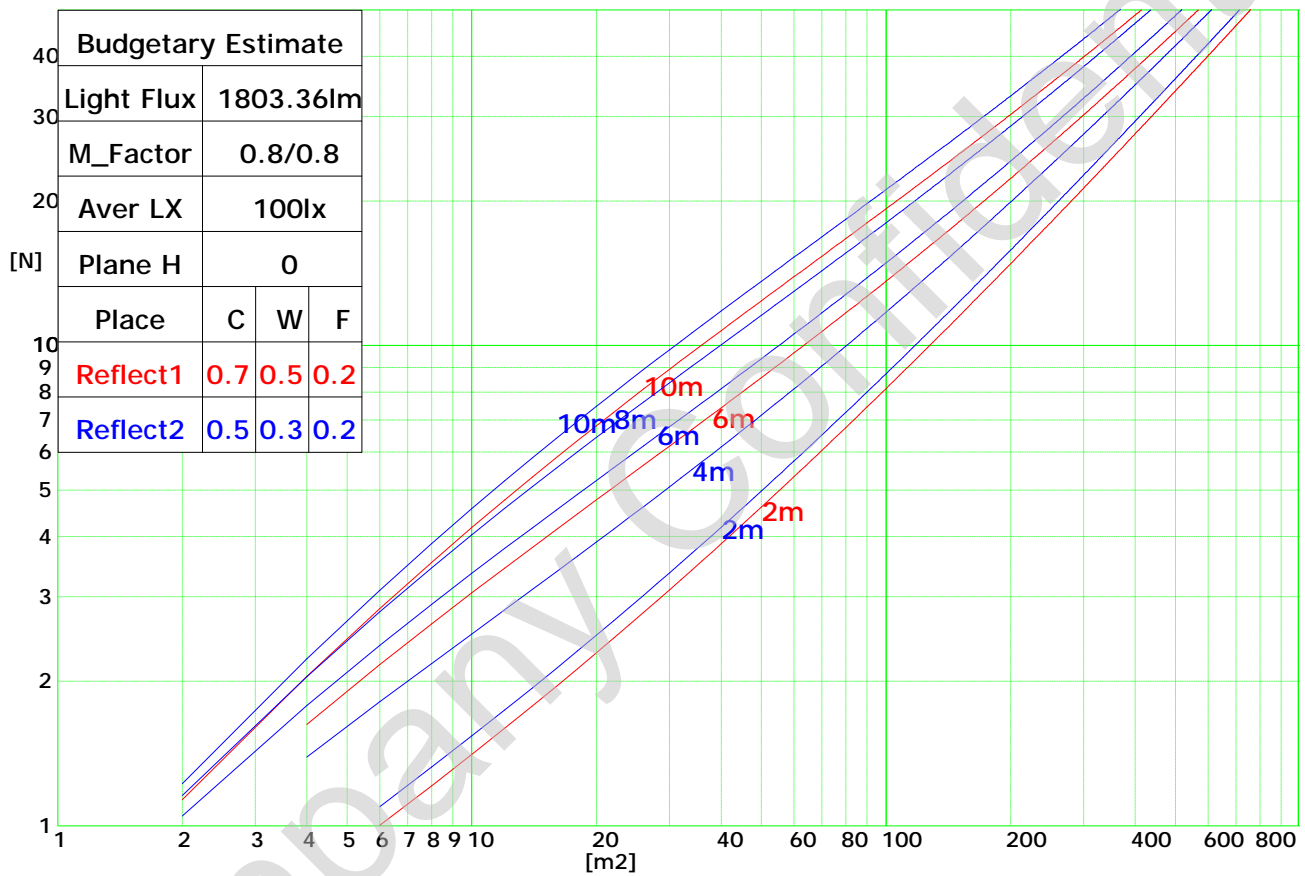


Beam Angle: 112.60° (50%Imax)

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
RRCR	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	1.03	1.01	0.99	1.01	0.99	0.97	0.98	0.95	0.93	0.93	0.91	0.88	0.87	0.84	0.82	0.77
2	0.87	0.85	0.83	0.87	0.84	0.81	0.85	0.81	0.78	0.81	0.77	0.74	0.77	0.73	0.69	0.64
3	0.75	0.72	0.70	0.75	0.72	0.69	0.74	0.70	0.66	0.72	0.67	0.63	0.69	0.64	0.59	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	0.55	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	0.51	0.45	0.42
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	0.44	0.42	0.49	0.44	0.40	0.49	0.43	0.39	0.48	0.42	0.37	0.33
8	0.43	0.41	0.39	0.44	0.40	0.38	0.45	0.40	0.37	0.45	0.39	0.35	0.45	0.39	0.34	0.30
9	0.40	0.37	0.36	0.40	0.37	0.35	0.42	0.37	0.34	0.42	0.36	0.32	0.42	0.36	0.31	0.28
10	0.37	0.34	0.33	0.38	0.34	0.33	0.39	0.34	0.31	0.39	0.34	0.30	0.40	0.33	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	14.6	16.0	14.9	15.9	16.4	14.7	15.9	14.9	15.9	16.5
	3H	16.2	17.4	16.7	17.8	18.0	16.2	17.3	16.5	17.9	18.0
	4H	17.0	18.1	17.3	18.6	18.8	16.9	17.9	17.3	18.5	18.7
	6H	17.5	18.6	18.0	18.8	19.0	17.4	18.4	17.9	18.9	19.0
	8H	17.9	18.9	18.1	18.9	19.3	17.8	18.8	17.9	19.0	19.4
4H	12H	17.9	18.8	18.1	19.3	19.6	17.7	18.6	18.1	19.1	19.5
	2H	15.7	16.6	15.8	16.8	17.1	15.6	16.6	15.7	16.9	17.0
	3H	17.5	18.3	17.8	18.5	18.9	17.4	18.2	17.6	18.4	18.7
	4H	18.2	19.0	18.6	19.1	19.4	18.0	18.9	18.4	19.2	19.4
	6H	18.8	19.6	19.2	19.7	20.2	18.6	19.4	19.0	19.7	20.1
8H	8H	19.1	19.8	19.4	20.0	20.4	18.9	19.6	19.4	19.9	20.3
	12H	19.3	19.9	19.5	20.1	20.5	19.1	19.8	19.5	20.2	20.5
	4H	18.4	19.2	18.9	19.3	19.8	18.4	19.1	18.8	19.4	19.8
	6H	19.3	19.8	19.8	20.2	20.5	19.2	19.7	19.7	20.2	20.5
	8H	19.6	20.2	20.1	20.5	21.0	19.6	19.9	20.0	20.4	20.9
12H	12H	20.0	20.4	20.4	20.8	21.2	19.9	20.4	20.3	20.7	21.2
	4H	18.6	19.1	19.0	19.4	19.9	18.4	19.0	18.9	19.5	19.9
	6H	19.5	20.0	19.8	20.2	20.6	19.5	19.8	19.7	20.2	20.6
	8H	20.0	20.4	20.4	20.5	21.1	19.8	20.2	20.3	20.6	21.1