

Luminaire Property

Luminaire Description: VEN-06-24

Luminaire Categorie:

Lamp Categorie:

Lamp Description:

Number of Lamp:

Lamp Lumens(lm): 2281.11

Luminous Length(m): 0.0

Luminous Width(m): 0.0

Luminous Height(m): 0.0

Voltage: 110.5 V

Current: 0.214 A

Power: 23.44 W

Power Factor: 0.990

Test Lab: 0

Photometric Type: Type C

Manufactory:

Photometric Results

CIE Class: Direct

Measurement Flux: 2281.11 lm

Efficiency: 97.317 lm/W

Central Intensity: 881.257cd

Max. Intensity: 889.192cd

Field Angle(10%Imax): Left: -80.6 Right:78.6

Max.Intensity Angle: C:0.0 G:1.0

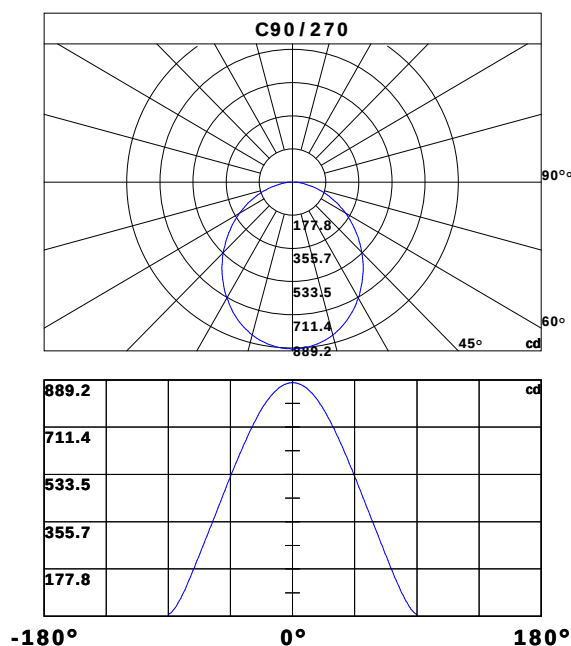
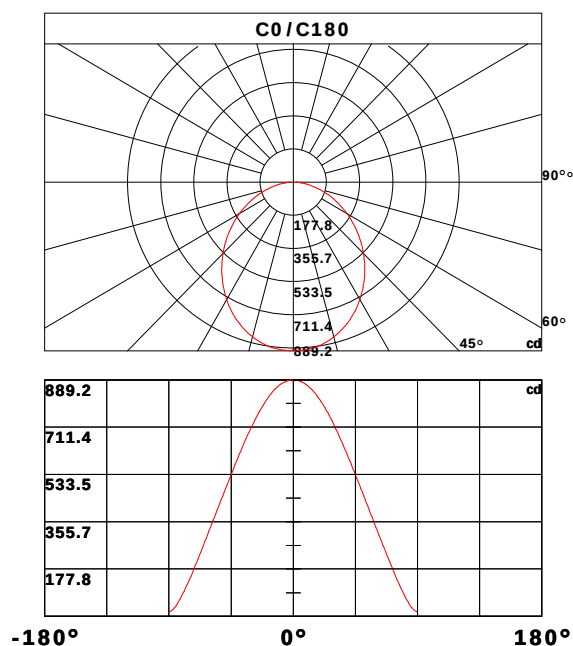
Beam Angle(50%Imax): L: -52.7 R:50.7

Luminaire Efficacy Rating(LER) : 100.00%

Upward Ratio: 0.0%

Downward Ratio: 100.0%

Beamwidth(50%Imax): C0/180=103.3 C90/270=102.89



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	881.3	889.2	888.4	887.7	886.3	884.4	882.0	879.5	876.5	872.6
C30.0	881.3	874.7	874.1	873.2	871.7	870.2	867.7	865.1	862.3	858.9
C60.0	881.3	876.5	875.9	874.7	873.5	871.7	869.8	867.0	864.2	860.5
C90.0	881.3	878.3	877.7	876.7	875.4	873.3	871.5	868.5	865.5	862.1
C120.0	881.3	881.9	881.6	880.2	878.7	877.4	874.8	872.5	869.3	865.9
C150.0	881.3	881.8	881.4	880.4	879.2	877.2	875.0	872.3	869.2	865.6
C180.0	881.3	889.2	888.4	887.7	886.3	884.4	882.0	879.5	876.5	872.6
C210.0	881.3	874.7	874.1	873.2	871.7	870.2	867.7	865.1	862.3	858.9
C240.0	881.3	876.5	875.9	874.7	873.5	871.7	869.8	867.0	864.2	860.5
C270.0	881.3	878.3	877.7	876.7	875.4	873.3	871.5	868.5	865.5	862.1
C300.0	881.3	881.9	881.6	880.2	878.7	877.4	874.8	872.5	869.3	865.9
C330.0	881.3	881.8	881.4	880.4	879.2	877.2	875.0	872.3	869.2	865.6
C360.0	881.3	889.2	888.4	887.7	886.3	884.4	882.0	879.5	876.5	872.6
C\G	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
C0.0	869.5	864.8	859.9	855.0	849.8	843.5	837.5	831.0	823.4	816.3
C30.0	855.2	850.9	846.4	841.4	836.0	830.3	824.5	817.5	811.0	803.7
C60.0	856.7	852.6	847.9	843.1	837.7	831.9	826.0	819.1	812.3	805.0
C90.0	858.5	854.3	849.3	844.9	839.4	833.5	827.6	820.8	814.1	806.8
C120.0	862.1	857.7	852.8	847.9	842.6	836.7	830.5	823.7	817.0	809.5
C150.0	862.1	857.3	852.8	848.0	842.6	836.6	830.6	823.8	816.9	810.0
C180.0	869.5	864.8	859.9	855.0	849.8	843.5	837.5	831.0	823.4	816.3
C210.0	855.2	850.9	846.4	841.4	836.0	830.3	824.5	817.5	811.0	803.7
C240.0	856.7	852.6	847.9	843.1	837.7	831.9	826.0	819.1	812.3	805.0
C270.0	858.5	854.3	849.3	844.9	839.4	833.5	827.6	820.8	814.1	806.8
C300.0	862.1	857.7	852.8	847.9	842.6	836.7	830.5	823.7	817.0	809.5
C330.0	862.1	857.3	852.8	848.0	842.6	836.6	830.6	823.8	816.9	810.0
C360.0	869.5	864.8	859.9	855.0	849.8	843.5	837.5	831.0	823.4	816.3
C\G	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
C0.0	808.7	800.1	792.3	784.0	774.3	765.4	755.7	745.9	735.4	725.2
C30.0	795.7	788.0	779.5	770.7	762.3	752.4	742.9	733.7	723.2	712.3
C60.0	796.9	789.1	781.2	772.2	763.7	754.3	744.6	735.0	724.6	714.0
C90.0	798.6	791.1	782.8	773.8	765.0	755.4	745.7	736.3	725.7	714.9
C120.0	801.7	793.8	785.4	776.5	767.7	758.5	749.0	739.2	728.9	718.5
C150.0	802.5	793.8	786.0	777.3	768.1	758.8	749.6	739.8	729.2	719.1
C180.0	808.7	800.1	792.3	784.0	774.3	765.4	755.7	745.9	735.4	725.2
C210.0	795.7	788.0	779.5	770.7	762.3	752.4	742.9	733.7	723.2	712.3
C240.0	796.9	789.1	781.2	772.2	763.7	754.3	744.6	735.0	724.6	714.0
C270.0	798.6	791.1	782.8	773.8	765.0	755.4	745.7	736.3	725.7	714.9
C300.0	801.7	793.8	785.4	776.5	767.7	758.5	749.0	739.2	728.9	718.5
C330.0	802.5	793.8	786.0	777.3	768.1	758.8	749.6	739.8	729.2	719.1
C360.0	808.7	800.1	792.3	784.0	774.3	765.4	755.7	745.9	735.4	725.2

Light intensity data Unit[cd]

C\G	G30.0	G31.0	G32.0	G33.0	G34.0	G35.0	G36.0	G37.0	G38.0	G39.0
C0.0	714.6	703.2	692.4	680.9	669.4	657.6	645.6	633.5	621.6	609.6
C30.0	702.3	691.2	680.5	669.0	657.3	646.3	634.5	622.7	611.0	599.0
C60.0	704.3	693.1	681.7	671.0	659.1	648.1	636.1	624.1	612.2	599.6
C90.0	705.1	694.0	682.9	671.7	660.1	649.2	637.2	625.3	613.5	601.1
C120.0	708.1	697.0	686.3	674.7	663.4	651.5	639.6	627.8	615.7	603.2
C150.0	708.6	697.7	686.6	675.3	663.7	652.7	640.7	629.0	617.4	605.0
C180.0	714.6	703.2	692.4	680.9	669.4	657.6	645.6	633.5	621.6	609.6
C210.0	702.3	691.2	680.5	669.0	657.3	646.3	634.5	622.7	611.0	599.0
C240.0	704.3	693.1	681.7	671.0	659.1	648.1	636.1	624.1	612.2	599.6
C270.0	705.1	694.0	682.9	671.7	660.1	649.2	637.2	625.3	613.5	601.1
C300.0	708.1	697.0	686.3	674.7	663.4	651.5	639.6	627.8	615.7	603.2
C330.0	708.6	697.7	686.6	675.3	663.7	652.7	640.7	629.0	617.4	605.0
C360.0	714.6	703.2	692.4	680.9	669.4	657.6	645.6	633.5	621.6	609.6
C\G	G40.0	G41.0	G42.0	G43.0	G44.0	G45.0	G46.0	G47.0	G48.0	G49.0
C0.0	596.2	583.8	571.5	558.1	545.6	532.6	519.0	506.3	493.5	479.6
C30.0	586.8	574.2	561.4	549.4	536.2	523.1	510.4	497.5	484.1	471.2
C60.0	587.5	575.0	562.1	549.9	537.0	523.8	511.2	498.1	485.2	472.3
C90.0	589.4	576.5	563.8	551.7	538.6	525.3	512.8	499.3	486.3	473.3
C120.0	590.3	578.3	565.5	553.1	540.1	527.2	514.4	501.1	488.2	475.2
C150.0	592.6	580.4	567.3	555.3	542.2	528.6	516.4	503.3	490.5	476.8
C180.0	596.2	583.8	571.5	558.1	545.6	532.6	519.0	506.3	493.5	479.6
C210.0	586.8	574.2	561.4	549.4	536.2	523.1	510.4	497.5	484.1	471.2
C240.0	587.5	575.0	562.1	549.9	537.0	523.8	511.2	498.1	485.2	472.3
C270.0	589.4	576.5	563.8	551.7	538.6	525.3	512.8	499.3	486.3	473.3
C300.0	590.3	578.3	565.5	553.1	540.1	527.2	514.4	501.1	488.2	475.2
C330.0	592.6	580.4	567.3	555.3	542.2	528.6	516.4	503.3	490.5	476.8
C360.0	596.2	583.8	571.5	558.1	545.6	532.6	519.0	506.3	493.5	479.6
C\G	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	466.8	453.5	440.2	426.5	414.1	400.3	386.2	373.5	360.1	346.3
C30.0	458.1	445.1	431.5	418.1	405.4	392.2	378.9	366.2	352.7	339.8
C60.0	459.0	446.6	432.9	419.7	407.1	393.6	379.6	367.1	354.0	340.3
C90.0	460.0	447.4	433.6	419.7	407.3	393.6	380.3	367.7	354.2	341.1
C120.0	461.6	448.5	435.5	422.1	409.4	396.1	382.1	369.4	355.8	342.9
C150.0	463.5	450.9	437.0	423.2	410.7	397.1	383.9	370.7	357.2	344.0
C180.0	466.8	453.5	440.2	426.5	414.1	400.3	386.2	373.5	360.1	346.3
C210.0	458.1	445.1	431.5	418.1	405.4	392.2	378.9	366.2	352.7	339.8
C240.0	459.0	446.6	432.9	419.7	407.1	393.6	379.6	367.1	354.0	340.3
C270.0	460.0	447.4	433.6	419.7	407.3	393.6	380.3	367.7	354.2	341.1
C300.0	461.6	448.5	435.5	422.1	409.4	396.1	382.1	369.4	355.8	342.9
C330.0	463.5	450.9	437.0	423.2	410.7	397.1	383.9	370.7	357.2	344.0
C360.0	466.8	453.5	440.2	426.5	414.1	400.3	386.2	373.5	360.1	346.3

Light intensity data Unit[cd]

C\G	G60.0	G61.0	G62.0	G63.0	G64.0	G65.0	G66.0	G67.0	G68.0	G69.0
C0.0	333.7	320.3	306.1	293.5	280.6	266.8	253.8	241.0	227.8	215.2
C30.0	327.1	313.9	301.5	287.8	274.9	262.3	249.0	236.0	223.2	210.0
C60.0	327.4	314.2	301.7	287.8	274.5	262.5	249.2	235.9	223.6	210.5
C90.0	328.4	315.2	302.6	289.2	276.2	263.6	250.0	236.9	224.4	211.0
C120.0	329.6	316.0	302.9	289.6	276.1	263.4	250.0	236.8	224.4	210.7
C150.0	331.2	317.9	304.6	291.5	278.8	265.0	251.8	239.6	225.4	213.2
C180.0	333.7	320.3	306.1	293.5	280.6	266.8	253.8	241.0	227.8	215.2
C210.0	327.1	313.9	301.5	287.8	274.9	262.3	249.0	236.0	223.2	210.0
C240.0	327.4	314.2	301.7	287.8	274.5	262.5	249.2	235.9	223.6	210.5
C270.0	328.4	315.2	302.6	289.2	276.2	263.6	250.0	236.9	224.4	211.0
C300.0	329.6	316.0	302.9	289.6	276.1	263.4	250.0	236.8	224.4	210.7
C330.0	331.2	317.9	304.6	291.5	278.8	265.0	251.8	239.6	225.4	213.2
C360.0	333.7	320.3	306.1	293.5	280.6	266.8	253.8	241.0	227.8	215.2
C\G	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	202.5	189.8	177.0	164.1	152.1	140.2	128.2	117.0	105.7	94.9
C30.0	197.8	184.4	172.4	159.2	146.8	134.5	123.1	110.5	99.0	88.5
C60.0	198.0	185.4	173.0	160.7	148.5	136.9	125.1	113.2	101.7	91.6
C90.0	198.4	184.9	172.8	159.8	147.0	135.0	123.1	110.7	99.3	88.6
C120.0	198.5	185.0	173.0	160.0	147.7	135.7	124.1	111.8	100.3	89.8
C150.0	200.2	187.2	174.2	161.2	148.7	136.4	124.7	112.4	101.3	90.4
C180.0	202.5	189.8	177.0	164.1	152.1	140.2	128.2	117.0	105.7	94.9
C210.0	197.8	184.4	172.4	159.2	146.8	134.5	123.1	110.5	99.0	88.5
C240.0	198.0	185.4	173.0	160.7	148.5	136.9	125.1	113.2	101.7	91.6
C270.0	198.4	184.9	172.8	159.8	147.0	135.0	123.1	110.7	99.3	88.6
C300.0	198.5	185.0	173.0	160.0	147.7	135.7	124.1	111.8	100.3	89.8
C330.0	200.2	187.2	174.2	161.2	148.7	136.4	124.7	112.4	101.3	90.4
C360.0	202.5	189.8	177.0	164.1	152.1	140.2	128.2	117.0	105.7	94.9
C\G	G80.0	G81.0	G82.0	G83.0	G84.0	G85.0	G86.0	G87.0	G88.0	G89.0
C0.0	84.6	74.2	64.5	55.0	46.5	38.2	31.4	26.2	22.0	18.2
C30.0	78.0	67.5	57.9	48.9	40.0	31.6	24.3	17.4	11.1	6.4
C60.0	81.0	70.7	61.0	51.7	42.3	34.2	26.3	18.5	12.5	7.7
C90.0	78.1	68.0	58.0	49.4	40.6	32.9	25.5	18.9	13.4	9.6
C120.0	79.1	68.4	58.6	48.9	40.2	32.1	25.0	18.2	13.1	10.2
C150.0	80.0	69.7	60.3	51.8	43.3	36.1	30.1	25.0	20.3	15.9
C180.0	84.6	74.2	64.5	55.0	46.5	38.2	31.4	26.2	22.0	18.2
C210.0	78.0	67.5	57.9	48.9	40.0	31.6	24.3	17.4	11.1	6.4
C240.0	81.0	70.7	61.0	51.7	42.3	34.2	26.3	18.5	12.5	7.7
C270.0	78.1	68.0	58.0	49.4	40.6	32.9	25.5	18.9	13.4	9.6
C300.0	79.1	68.4	58.6	48.9	40.2	32.1	25.0	18.2	13.1	10.2
C330.0	80.0	69.7	60.3	51.8	43.3	36.1	30.1	25.0	20.3	15.9
C360.0	84.6	74.2	64.5	55.0	46.5	38.2	31.4	26.2	22.0	18.2

Light intensity data Unit[cd]

C\G	G90.0									
C0.0	15.3									
C30.0	5.7									
C60.0	4.9									
C90.0	5.8									
C120.0	7.8									
C150.0	12.0									
C180.0	15.3									
C210.0	5.7									
C240.0	4.9									
C270.0	5.8									
C300.0	7.8									
C330.0	12.0									
C360.0	15.3									

Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0.0	881.26	0.00	0.00	0.00	0.00
0.0-1.0	880.40	0.84	0.84	0.04	0.04
1.0-2.0	879.85	2.53	3.37	0.11	0.15
2.0-3.0	878.82	4.21	7.58	0.18	0.33
3.0-4.0	877.47	5.88	13.45	0.26	0.59
4.0-5.0	875.70	7.54	21.00	0.33	0.92
5.0-6.0	873.45	9.19	30.19	0.40	1.32
6.0-7.0	870.83	10.83	41.02	0.47	1.80
7.0-8.0	867.83	12.44	53.46	0.55	2.34
8.0-9.0	864.29	14.04	67.50	0.62	2.96
9.0-10.0	860.68	15.61	83.11	0.68	3.64
10.0-11.0	856.26	17.16	100.26	0.75	4.40
11.0-12.0	851.51	18.67	118.93	0.82	5.21
12.0-13.0	846.73	20.15	139.09	0.88	6.10
13.0-14.0	841.35	21.61	160.69	0.95	7.04
14.0-15.0	835.40	23.02	183.71	1.01	8.05
15.0-16.0	829.47	24.40	208.11	1.07	9.12
16.0-17.0	822.64	25.73	233.83	1.13	10.25
17.0-18.0	815.78	27.01	260.85	1.18	11.44
18.0-19.0	808.55	28.26	289.11	1.24	12.67
19.0-20.0	800.70	29.45	318.56	1.29	13.97
20.0-21.0	792.66	30.60	349.16	1.34	15.31
21.0-22.0	784.54	31.69	380.85	1.39	16.70
22.0-23.0	775.74	32.74	413.59	1.44	18.13
23.0-24.0	766.83	33.73	447.32	1.48	19.61
24.0-25.0	757.47	34.66	481.98	1.52	21.13
25.0-26.0	747.91	35.53	517.51	1.56	22.69
26.0-27.0	738.31	36.36	553.87	1.59	24.28
27.0-28.0	727.84	37.12	590.99	1.63	25.91
28.0-29.0	717.33	37.81	628.80	1.66	27.57
29.0-30.0	707.15	38.46	667.26	1.69	29.25
30.0-31.0	696.03	39.05	706.31	1.71	30.96
31.0-32.0	685.06	39.57	745.88	1.73	32.70
32.0-33.0	673.77	40.03	785.91	1.75	34.45
33.0-34.0	662.16	40.43	826.34	1.77	36.23
34.0-35.0	650.91	40.78	867.12	1.79	38.01
35.0-36.0	638.96	41.07	908.19	1.80	39.81
36.0-37.0	627.07	41.29	949.48	1.81	41.62
37.0-38.0	615.21	41.47	990.94	1.82	43.44
38.0-39.0	602.91	41.58	1032.52	1.82	45.26
39.0-40.0	590.47	41.62	1074.14	1.82	47.09

Zonal Luminous Flux Data

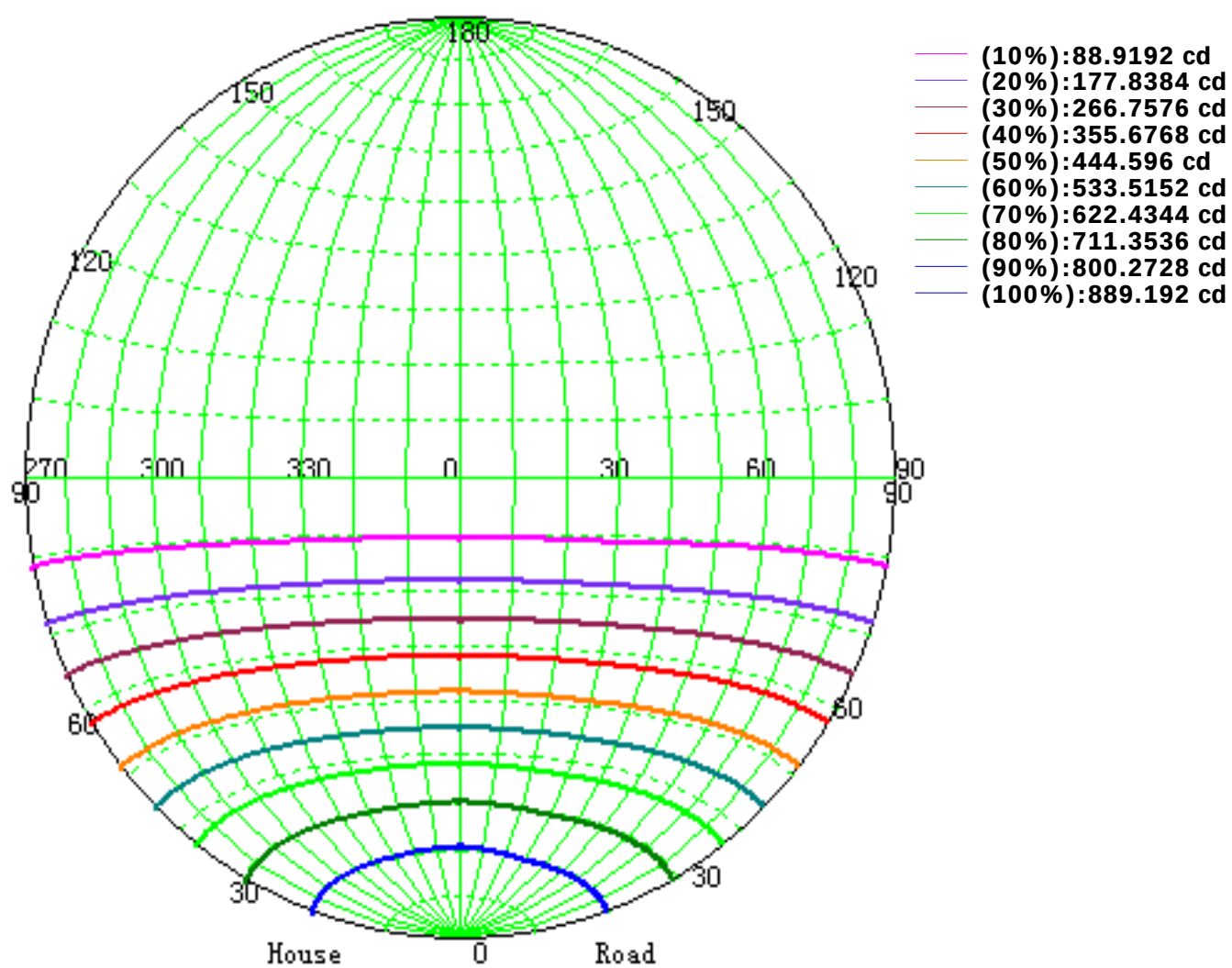
Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
40.0-41.0	578.05	41.61	1115.75	1.82	48.91
41.0-42.0	565.27	41.54	1157.29	1.82	50.73
42.0-43.0	552.91	41.42	1198.71	1.82	52.55
43.0-44.0	539.95	41.25	1239.96	1.81	54.36
44.0-45.0	526.76	40.99	1280.95	1.80	56.15
45.0-46.0	514.04	40.70	1321.66	1.78	57.94
46.0-47.0	500.93	40.37	1362.03	1.77	59.71
47.0-48.0	487.97	39.98	1402.00	1.75	61.46
48.0-49.0	474.73	39.53	1441.54	1.73	63.19
49.0-50.0	461.50	39.03	1480.57	1.71	64.91
50.0-51.0	448.66	38.51	1519.08	1.69	66.59
51.0-52.0	435.14	37.92	1557.00	1.66	68.26
52.0-53.0	421.57	37.27	1594.27	1.63	69.89
53.0-54.0	409.00	36.61	1630.88	1.60	71.49
54.0-55.0	395.48	35.91	1666.79	1.57	73.07
55.0-56.0	381.82	35.12	1701.91	1.54	74.61
56.0-57.0	369.09	34.33	1736.24	1.51	76.11
57.0-58.0	355.67	33.52	1769.76	1.47	77.58
58.0-59.0	342.41	32.64	1802.40	1.43	79.01
59.0-60.0	329.57	31.75	1834.14	1.39	80.41
60.0-61.0	316.25	30.82	1864.96	1.35	81.76
61.0-62.0	303.23	29.85	1894.81	1.31	83.07
62.0-63.0	289.92	28.85	1923.66	1.26	84.33
63.0-64.0	276.85	27.81	1951.47	1.22	85.55
64.0-65.0	263.92	26.76	1978.23	1.17	86.72
65.0-66.0	250.64	25.67	2003.91	1.13	87.85
66.0-67.0	237.70	24.56	2028.46	1.08	88.92
67.0-68.0	224.82	23.43	2051.89	1.03	89.95
68.0-69.0	211.76	22.27	2074.17	0.98	90.93
69.0-70.0	199.23	21.11	2095.27	0.93	91.85
70.0-71.0	186.14	19.92	2115.19	0.87	92.73
71.0-72.0	173.73	18.71	2133.90	0.82	93.55
72.0-73.0	160.85	17.50	2151.40	0.77	94.31
73.0-74.0	148.46	16.26	2167.66	0.71	95.03
74.0-75.0	136.45	15.05	2182.71	0.66	95.69
75.0-76.0	124.71	13.86	2196.58	0.61	96.29
76.0-77.0	112.61	12.65	2209.23	0.55	96.85
77.0-78.0	101.24	11.45	2220.68	0.50	97.35
78.0-79.0	90.62	10.31	2230.98	0.45	97.80
79.0-80.0	80.14	9.21	2240.19	0.40	98.21
80.0-81.0	69.75	8.11	2248.30	0.36	98.56



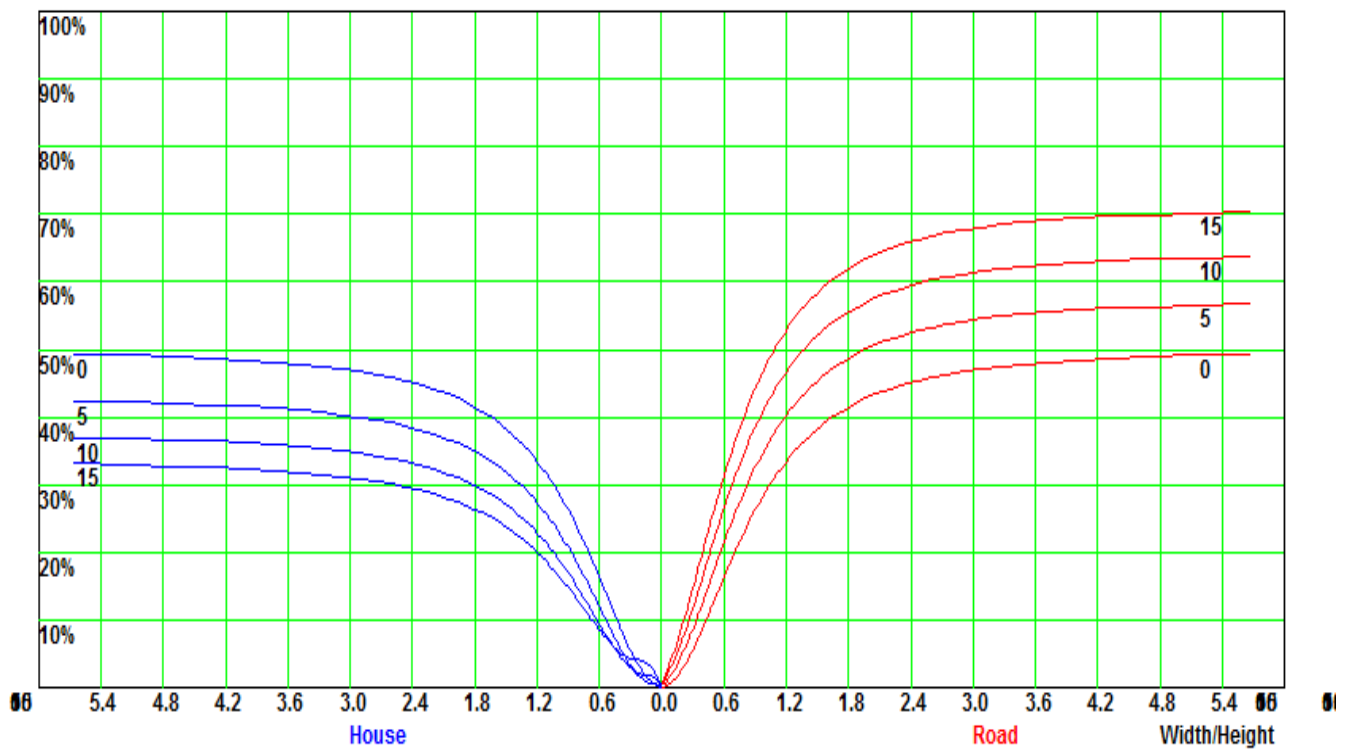
Zonal Luminous Flux Data

[illegible]

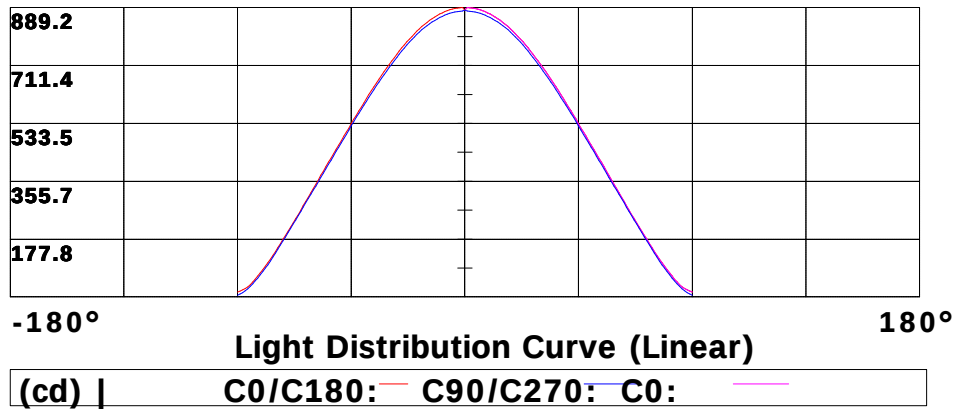
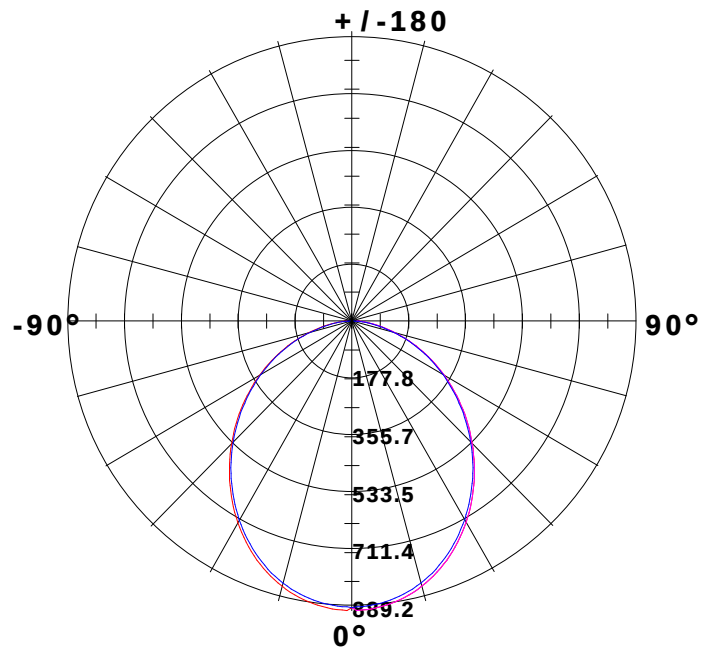
Iso-Candela [cd]

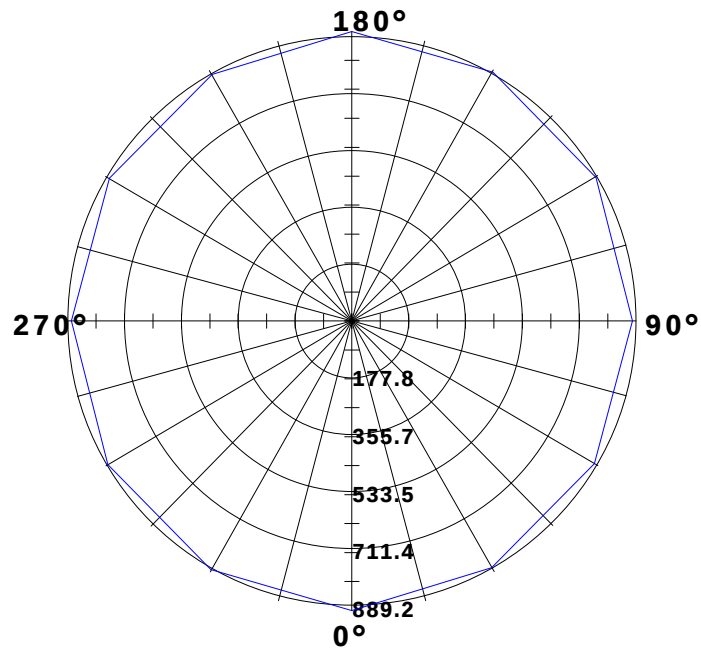


Coefficient Utilization Curve



Light Distribution Curve [Unit: cd]





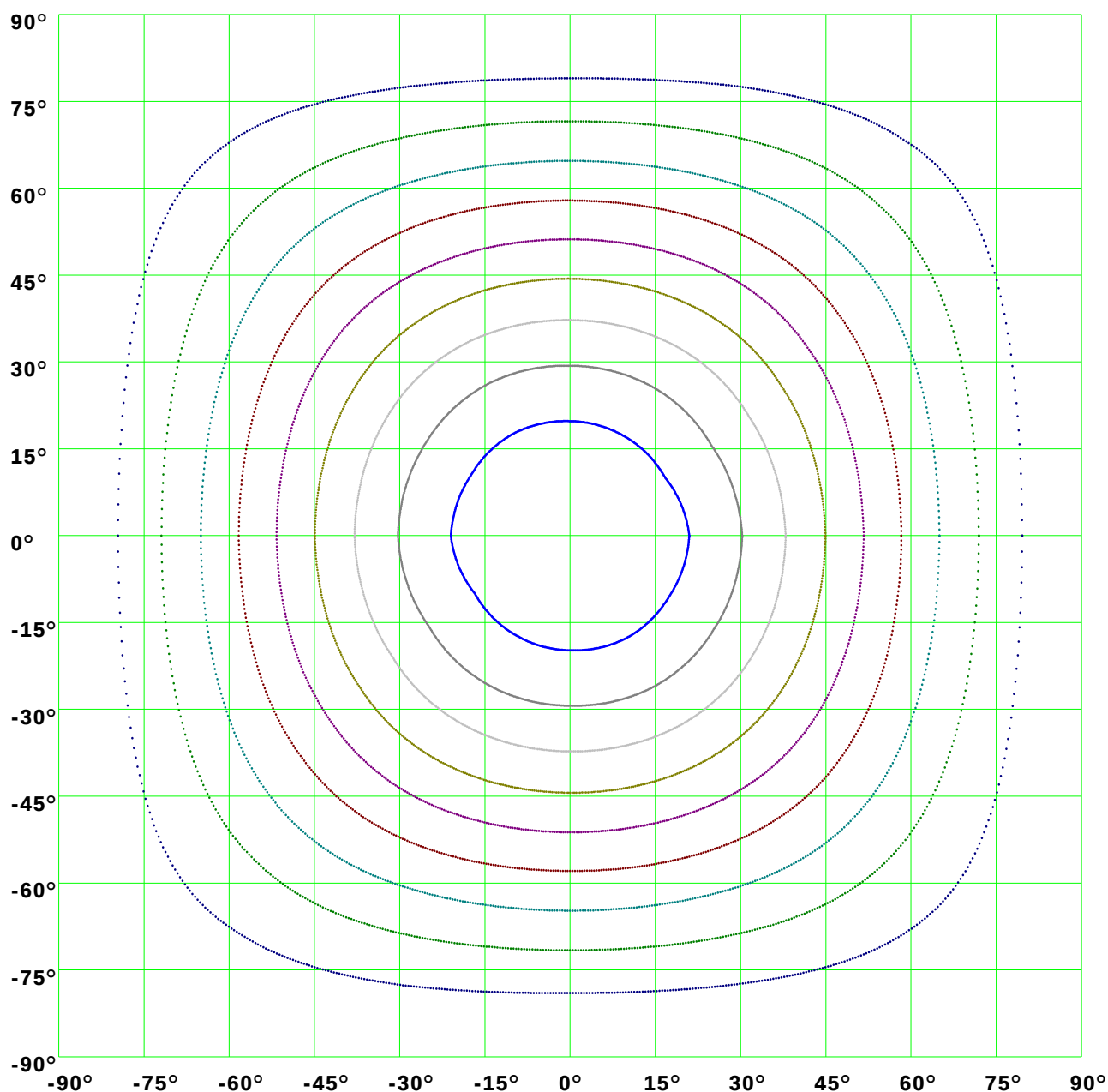
889.2							
711.4							
533.5							
355.7							
177.8							

-180° 180°

Light Distribution Curve (Linear)

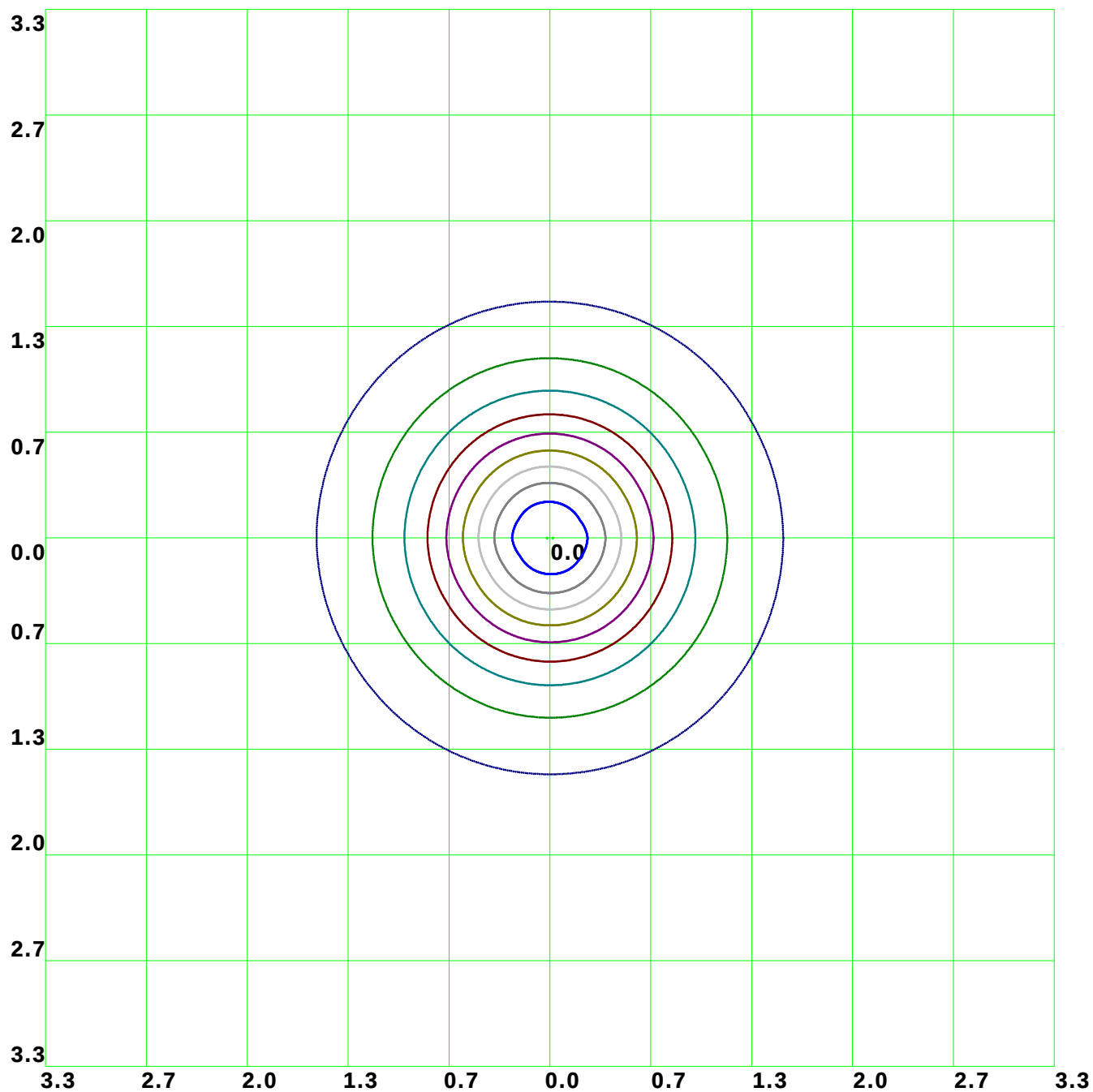
(cd) | γ1:

Isocandela(rectangle)



(10%): 88.9cd	(20%): 177.8cd	(30%): 266.8cd	(40%): 355.7cd
(50%): 444.6cd	(60%): 533.5cd	(70%): 622.4cd	(80%): 711.4cd
(90%): 800.3cd	(100%): 889.2cd		

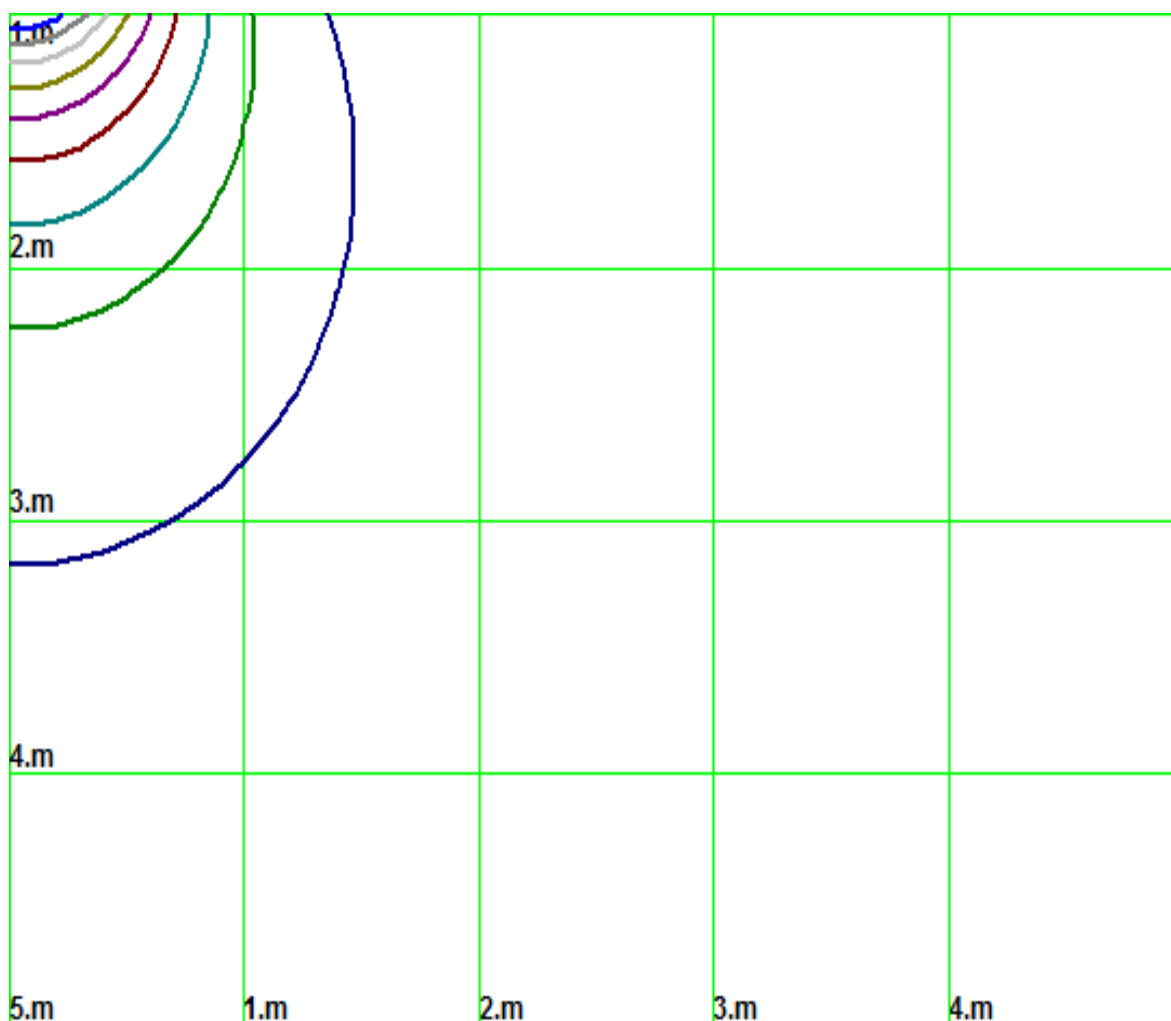
Isolx curve



Height: 1 m

(10%): 88.9lx	(20%): 177.8lx	(30%): 266.8lx	(40%): 355.7lx
(50%): 444.6lx	(60%): 533.5lx	(70%): 622.4lx	(80%): 711.4lx
(90%): 800.3lx	(100%): 888.3lx		

Space Isolx Curve



(10%): 88.9lx	(20%): 177.8lx	(30%): 266.8lx	(40%): 355.7lx
(50%): 444.6lx	(60%): 533.5lx	(70%): 622.4lx	(80%): 711.4lx
(90%): 800.3lx	(100%): 888.3lx		

Luminance Limiting Curve

Diameter: 0mm

Length: 0mm

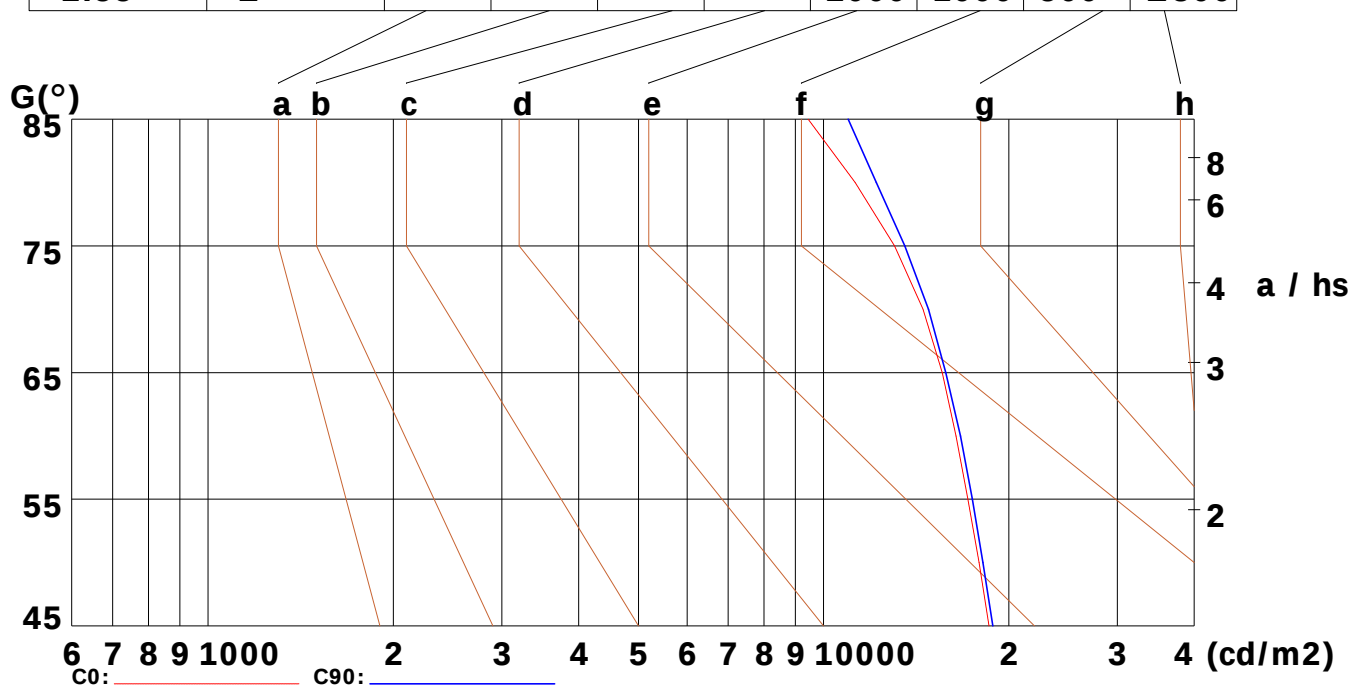
Width: 0mm

Height: 0mm

(cd/m²)

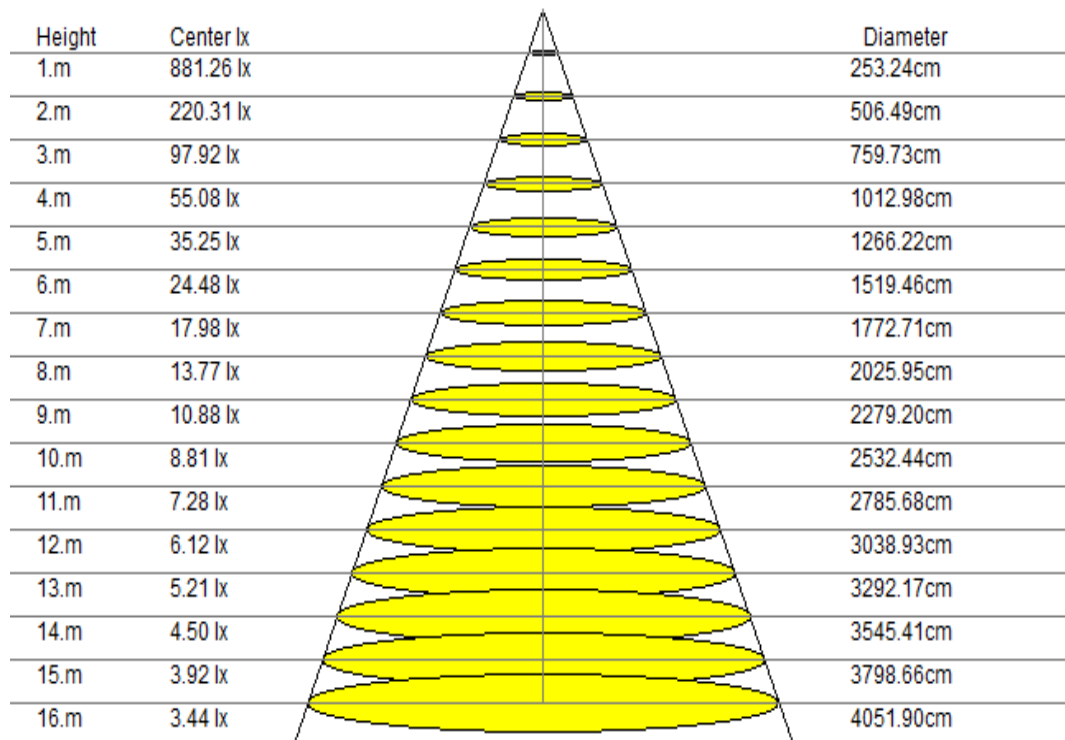
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	18572	17890	17158	16422	15591	14503	13042	11248	9432
C90	18830	18153	17448	16684	15783	14805	13542	12179	10959

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

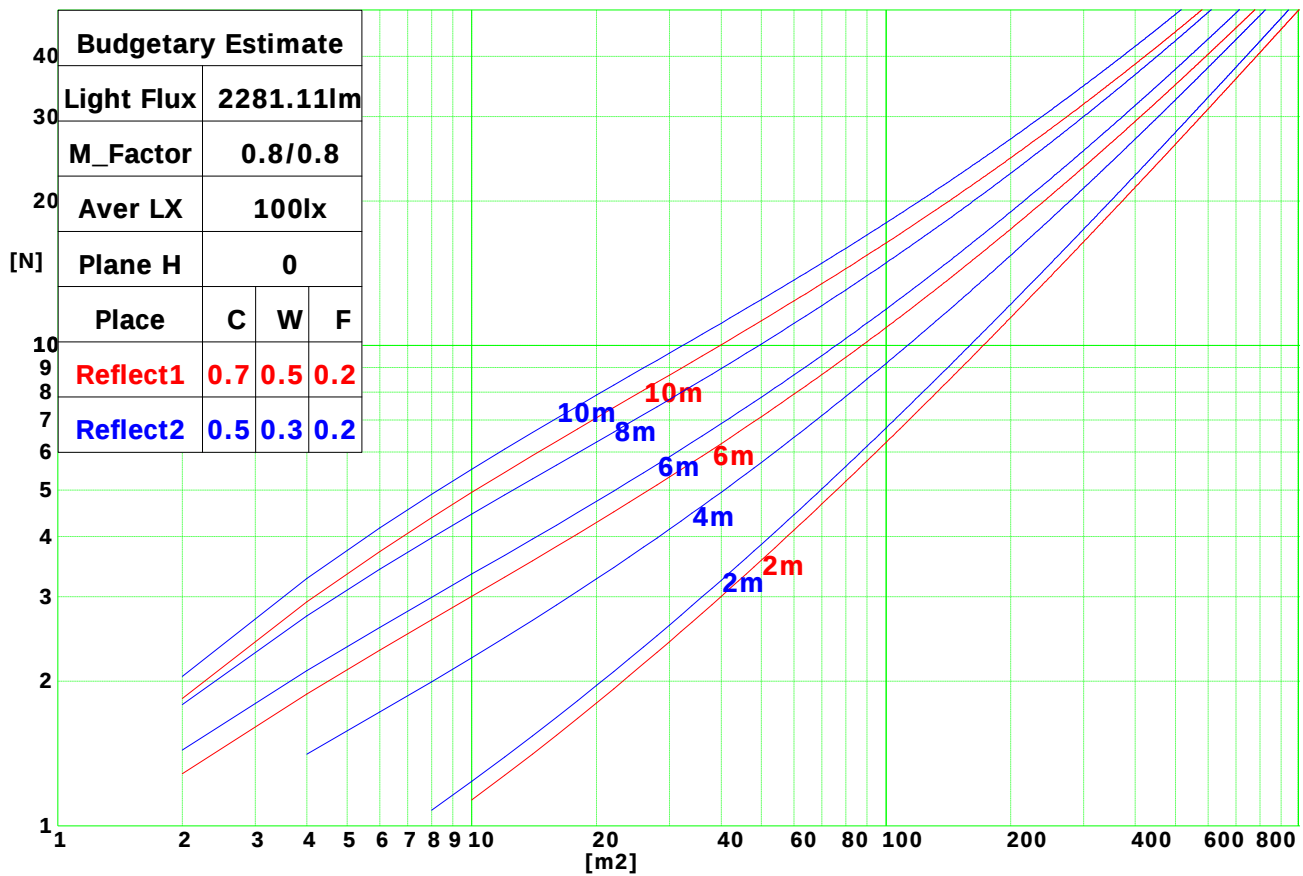


Beam Angle:103.40° (50%Imax)

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	1.05	1.03	1.02	1.03	1.02	1.00	1.00	0.98	0.96	0.95	0.93	0.91	0.89	0.86	0.84	0.79
2	0.89	0.87	0.85	0.89	0.86	0.83	0.86	0.83	0.80	0.83	0.79	0.76	0.78	0.74	0.71	0.66
3	0.77	0.74	0.72	0.77	0.73	0.71	0.75	0.71	0.68	0.73	0.68	0.64	0.70	0.65	0.60	0.56
4	0.67	0.64	0.62	0.67	0.63	0.61	0.66	0.62	0.58	0.65	0.60	0.55	0.63	0.57	0.52	0.48
5	0.58	0.56	0.54	0.59	0.55	0.53	0.59	0.54	0.51	0.58	0.53	0.48	0.57	0.51	0.46	0.42
6	0.52	0.49	0.47	0.52	0.49	0.46	0.53	0.48	0.44	0.53	0.47	0.42	0.52	0.45	0.40	0.37
7	0.46	0.43	0.42	0.47	0.43	0.41	0.48	0.43	0.39	0.48	0.42	0.38	0.48	0.41	0.36	0.33
8	0.41	0.39	0.37	0.42	0.39	0.37	0.44	0.39	0.35	0.44	0.38	0.34	0.44	0.37	0.32	0.29
9	0.38	0.35	0.34	0.39	0.35	0.33	0.40	0.35	0.32	0.41	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	0.31	0.27	0.24

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	16.0	14.9	15.9	16.5	14.7	15.9	14.8	16.0	16.5
	3H	16.3	17.4	16.7	17.9	17.9	16.2	17.4	16.4	17.8	18.0
	4H	16.9	18.1	17.4	18.7	18.8	16.9	18.1	17.3	18.5	18.8
	6H	17.6	18.5	18.0	18.9	18.9	17.4	18.3	17.8	18.9	19.0
	8H	17.8	18.9	18.1	19.0	19.3	17.7	18.7	17.9	19.0	19.3
4H	12H	17.9	18.8	18.1	19.2	19.5	17.7	18.7	18.1	19.2	19.6
	2H	15.7	16.6	15.9	16.8	17.0	15.6	16.6	15.8	16.9	17.0
	3H	17.5	18.4	17.7	18.4	18.8	17.3	18.2	17.6	18.3	18.7
	4H	18.3	18.9	18.5	19.1	19.5	18.0	18.9	18.4	19.1	19.6
	6H	18.8	19.5	19.1	19.8	20.2	18.7	19.5	18.9	19.7	20.0
8H	8H	19.0	19.7	19.4	20.0	20.3	19.0	19.5	19.3	20.0	20.3
	12H	19.2	19.8	19.7	20.0	20.5	19.1	19.8	19.5	20.1	20.5
	4H	18.5	19.2	18.8	19.4	19.8	18.5	19.1	18.7	19.4	19.8
	6H	19.3	19.8	19.8	20.2	20.6	19.2	19.7	19.6	20.2	20.5
	8H	19.8	20.2	20.2	20.5	20.9	19.6	20.0	20.1	20.4	21.0
12H	12H	20.0	20.4	20.4	20.9	21.1	19.8	20.3	20.3	20.8	21.2
	4H	18.6	19.2	19.1	19.6	19.8	18.5	19.0	18.9	19.4	19.8
	6H	19.5	20.0	19.9	20.2	20.7	19.4	19.9	19.8	20.2	20.6
	8H	19.9	20.3	20.4	20.5	21.1	19.8	20.2	20.3	20.6	21.0