Luminaire Property

Luminaire:

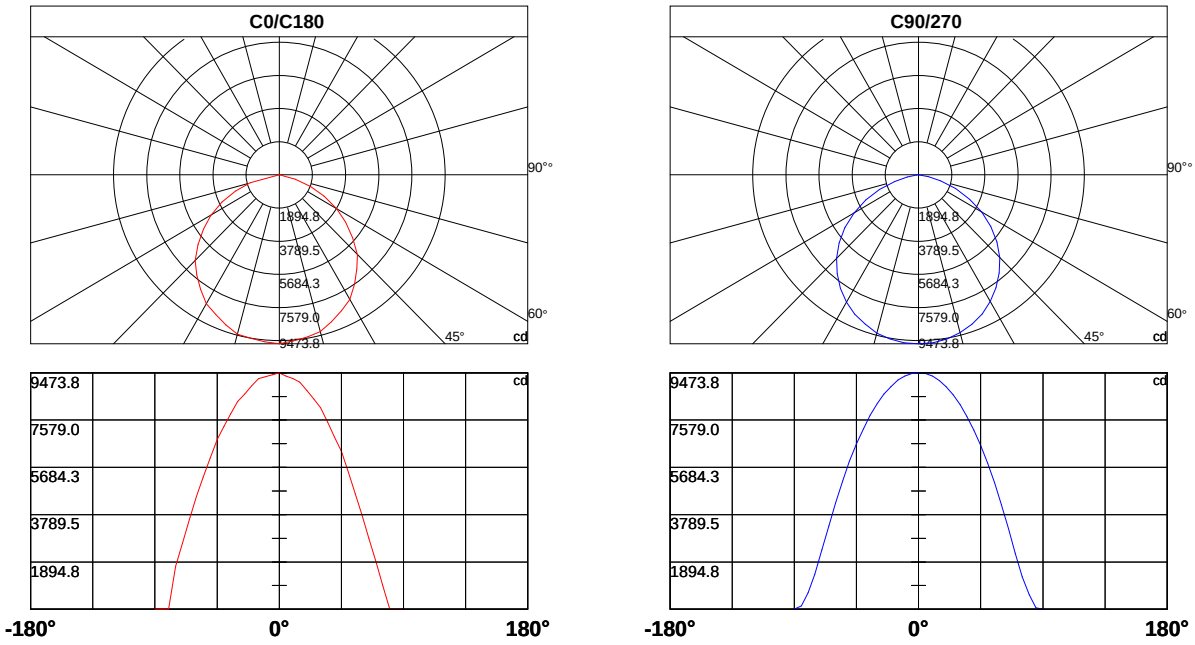
Report NO.:
Test NO.:
Lamp: [LAMP] 200W-120D
Sum Lumens: 26500.27 lm
Number of Lamps: 1
Diameter: 0mm
Length: 500mm
Photometric Type: Type C

Voltage: 221.8 V
Current: 0.9462 A
Power: 202.1 W
Power Factor: 0.963
Ballast Type:
Width: 500mm
Height: 155mm
Remark:

Photometric Results

Lumens: 26500.27 lm
Efficiency: 100%
Central Intensity: 9473.765cd
Maximum Intensity: 9473.765cd
Beam Angle(10%): Left: -77.2 Right:75.0

Angle of maximum intensity: C:0.0 G:0.0
Half Peak Side Angle(50%): Left: -58.6 Right:54.4
Up Flux Rate: 0.0%
Down Flux Rate: 100.0%



Photometric Data Table [cd]

C\γ	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
0.0	9473.8	9341.5	9235.6	9103.3	8759.3	8415.2	8071.2	7489.0	6906.9	6324.7
15.0	9473.8	9341.5	9209.1	9076.8	8759.3	8415.2	8044.8	7489.0	6906.9	6298.2
30.0	9473.8	9367.9	9209.1	9050.4	8785.7	8415.2	8018.3	7568.4	6933.3	6271.7
45.0	9473.8	9367.9	9209.1	9050.4	8838.7	8441.7	8018.3	7542.0	7012.7	6298.2
60.0	9473.8	9394.4	9235.6	9050.4	8785.7	8494.6	8097.7	7568.4	6986.2	6377.6
75.0	9473.8	9394.4	9262.1	9076.8	8812.2	8494.6	8071.2	7621.4	7065.6	6457.0
90.0	9473.8	9447.3	9341.5	9156.2	8918.0	8600.5	8203.5	7727.2	7171.5	6562.8
105.0	9473.8	9420.8	9288.5	9103.3	8865.1	8547.6	8150.6	7700.7	7171.5	6589.3
120.0	9473.8	9394.4	9288.5	9103.3	8891.6	8600.5	8230.0	7753.7	7197.9	6615.8
135.0	9473.8	9394.4	9288.5	9129.7	8944.5	8627.0	8230.0	7780.1	7303.8	6642.2
150.0	9473.8	9394.4	9288.5	9182.7	8944.5	8600.5	8256.5	7859.5	7277.3	6695.1
165.0	9473.8	9394.4	9288.5	9209.1	8918.0	8627.0	8309.4	7833.1	7303.8	6774.5
180.0	9473.8	9394.4	9315.0	9235.6	8944.5	8627.0	8335.8	7833.1	7330.3	6801.0
195.0	9473.8	9394.4	9315.0	9209.1	8944.5	8627.0	8335.8	7833.1	7303.8	6774.5
210.0	9473.8	9394.4	9288.5	9182.7	8944.5	8627.0	8282.9	7859.5	7303.8	6721.6
225.0	9473.8	9394.4	9288.5	9156.2	8971.0	8627.0	8256.5	7806.6	7330.3	6695.1
240.0	9473.8	9420.8	9288.5	9129.7	8918.0	8653.4	8282.9	7806.6	7250.9	6668.7
255.0	9473.8	9420.8	9315.0	9129.7	8891.6	8574.0	8203.5	7753.7	7250.9	6695.1
270.0	9473.8	9447.3	9341.5	9182.7	8918.0	8627.0	8230.0	7780.1	7224.4	6615.8
285.0	9473.8	9420.8	9288.5	9103.3	8838.7	8521.1	8124.1	7674.3	7145.0	6562.8
300.0	9473.8	9394.4	9262.1	9050.4	8812.2	8521.1	8150.6	7621.4	7065.6	6430.5
315.0	9473.8	9367.9	9235.6	9050.4	8865.1	8468.2	8044.8	7594.9	7065.6	6351.1
330.0	9473.8	9367.9	9235.6	9076.8	8812.2	8441.7	8044.8	7568.4	6959.8	6324.7
345.0	9473.8	9341.5	9235.6	9103.3	8759.3	8415.2	8071.2	7515.5	6906.9	6324.7
360.0	9473.8	9341.5	9235.6	9103.3	8759.3	8415.2	8071.2	7489.0	6906.9	6324.7

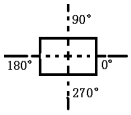
C\γ	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0
0.0	5477.9	4631.0	3784.2	2831.5	1905.3	952.7	0.0	0.0	0.0
15.0	5504.3	4657.5	3810.7	2884.5	1958.3	1032.1	65.1	0.0	0.0
30.0	5583.7	4684.0	3784.2	2884.5	1984.7	1085.0	220.7	0.0	0.0
45.0	5557.2	4789.8	3837.1	2910.9	2011.2	1164.4	370.5	0.0	0.0
60.0	5689.5	4816.3	3890.1	2963.9	2011.2	1137.9	476.3	0.0	0.0
75.0	5716.0	4895.7	4022.4	3122.6	2117.0	1217.3	502.8	94.2	0.0
90.0	5848.3	5054.4	4181.2	3228.5	2249.4	1296.7	582.2	61.7	4.2
105.0	5874.8	5080.9	4207.6	3307.9	2328.8	1402.5	635.1	146.6	0.0
120.0	5980.6	5133.8	4287.0	3360.8	2408.1	1508.4	741.0	0.0	0.0
135.0	5980.6	5266.1	4366.4	3466.7	2566.9	1640.7	714.5	0.0	0.0
150.0	6060.0	5239.7	4419.3	3546.1	2593.4	1640.7	397.0	0.0	0.0
165.0	6033.6	5266.1	4498.7	3599.0	2646.3	1720.1	113.5	0.0	0.0
180.0	6060.0	5292.6	4525.2	3599.0	2672.8	1720.1	0.0	0.0	0.0
195.0	6060.0	5292.6	4525.2	3625.4	2672.8	1746.6	115.1	0.0	0.0
210.0	6113.0	5292.6	4472.3	3599.0	2646.3	1693.6	397.0	0.0	0.0
225.0	6033.6	5345.5	4419.3	3519.6	2593.4	1693.6	741.0	0.0	0.0
240.0	6033.6	5213.2	4366.4	3466.7	2487.5	1587.8	793.9	0.0	0.0
255.0	5980.6	5186.8	4313.5	3413.7	2434.6	1534.9	714.5	180.2	0.0
270.0	5927.7	5133.8	4260.5	3334.3	2381.7	1402.5	661.6	132.1	7.9
285.0	5821.9	5001.5	4128.2	3228.5	2249.4	1349.6	582.2	129.1	0.0

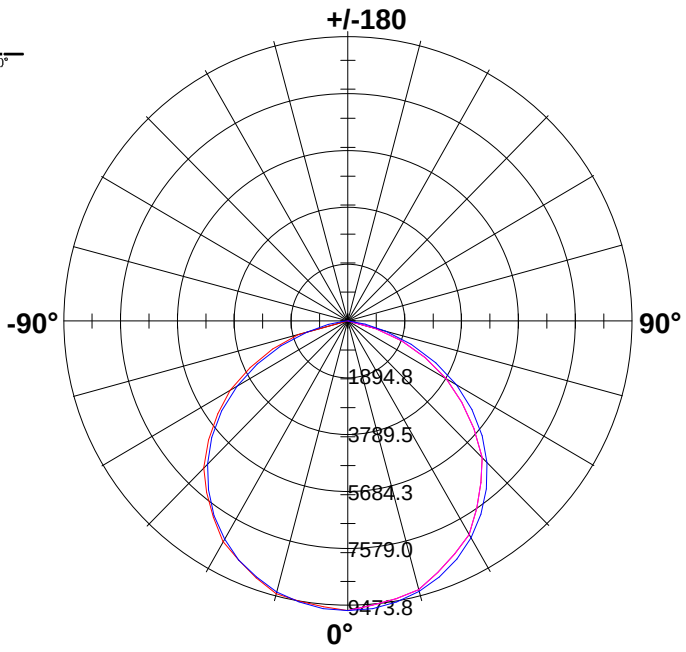
Photometric Data Table [cd]

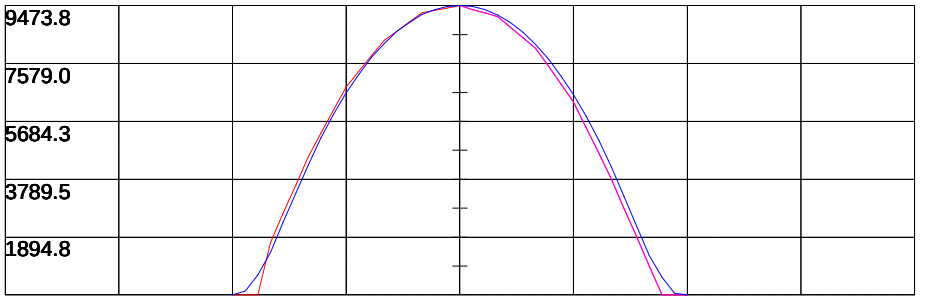
300.0	5742.5	4895.7	3995.9	3069.7	2117.0	1217.3	529.3	0.0	0.0
315.0	5636.6	4869.2	3916.5	2963.9	2064.1	1217.3	423.4	0.0	0.0
330.0	5610.2	4736.9	3837.1	2937.4	2011.2	1111.4	231.3	0.0	0.0
345.0	5530.8	4684.0	3837.1	2910.9	1984.7	1058.5	67.5	0.0	0.0
360.0	5477.9	4631.0	3784.2	2831.5	1905.3	952.7	0.0	0.0	0.0

Light Distribution Curve [Unit: cd]

Luminaire



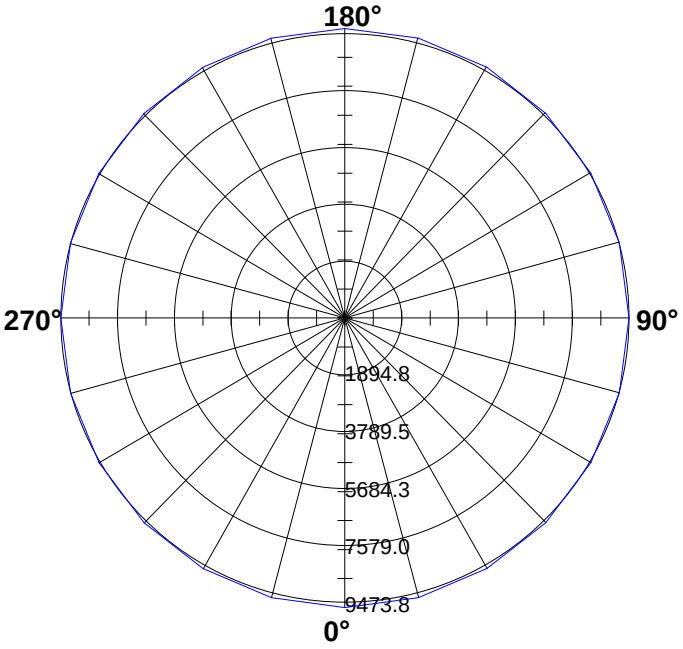


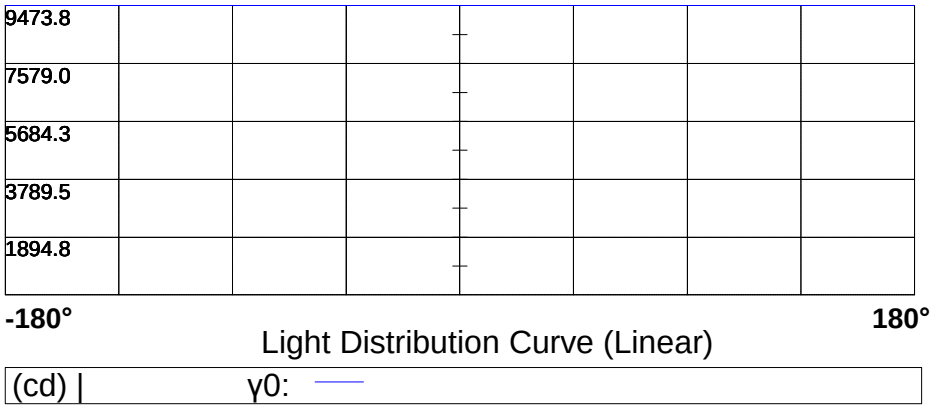


Light Distribution Curve (Linear)

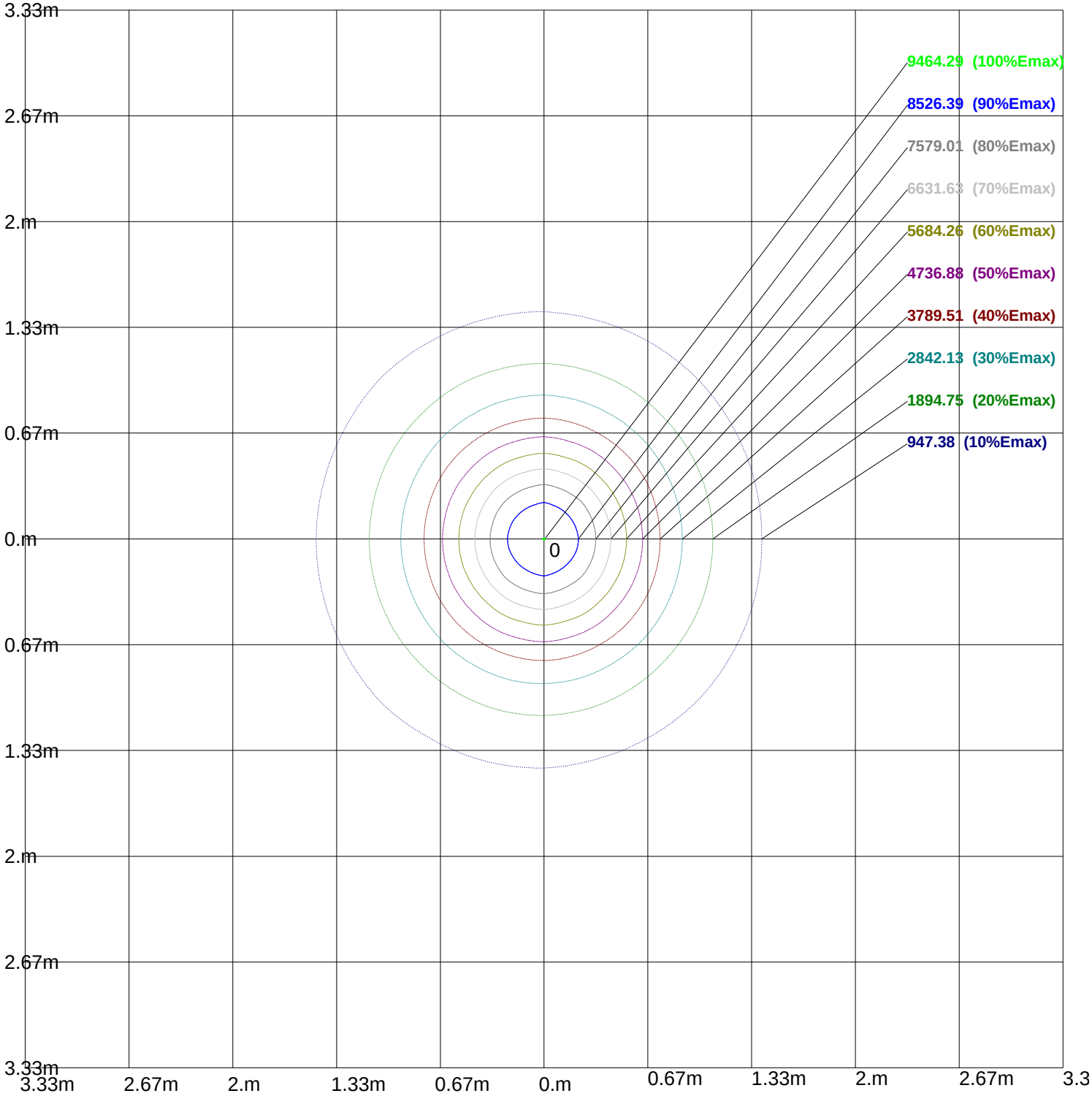
(cd) | C0/C180: C90/C270: C0:

Max Plane Light Distribution Curve [Unit: cd]





Iso-Lux[lx]



Height: 1 m
Max Illuminance : 9473.76lx

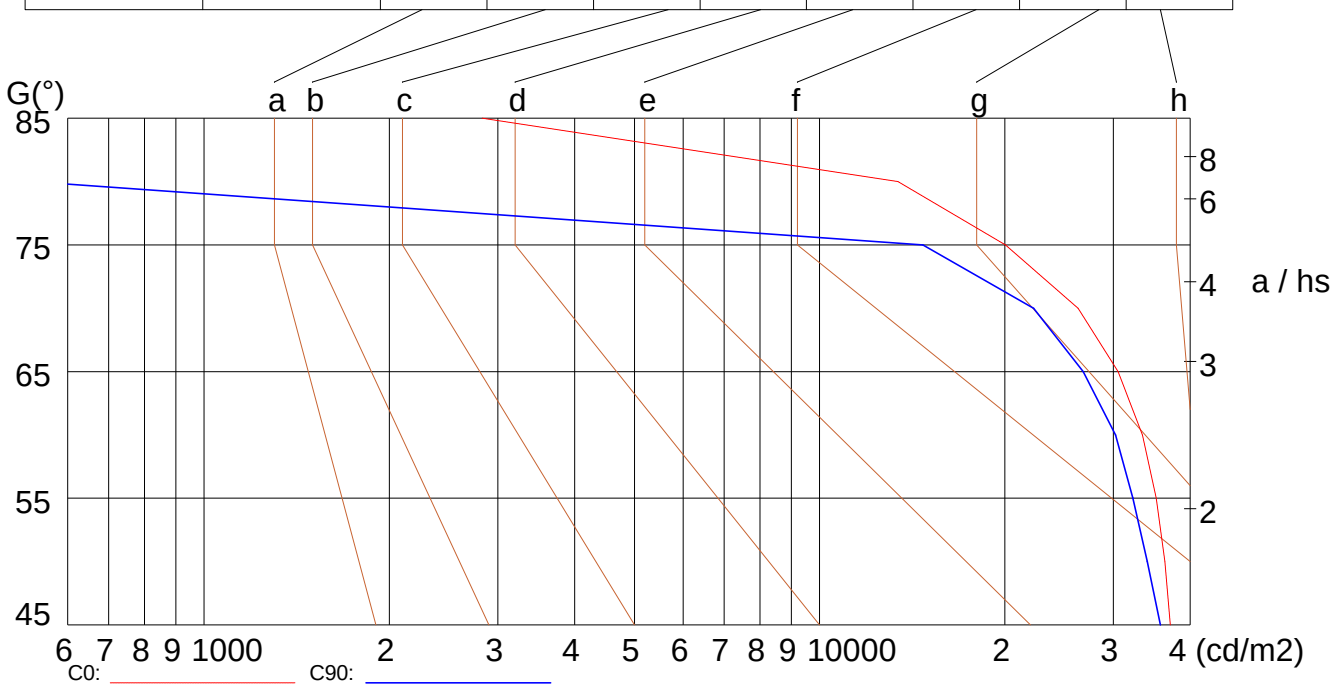
Luminance Limitting Curve

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

(cd/m2)

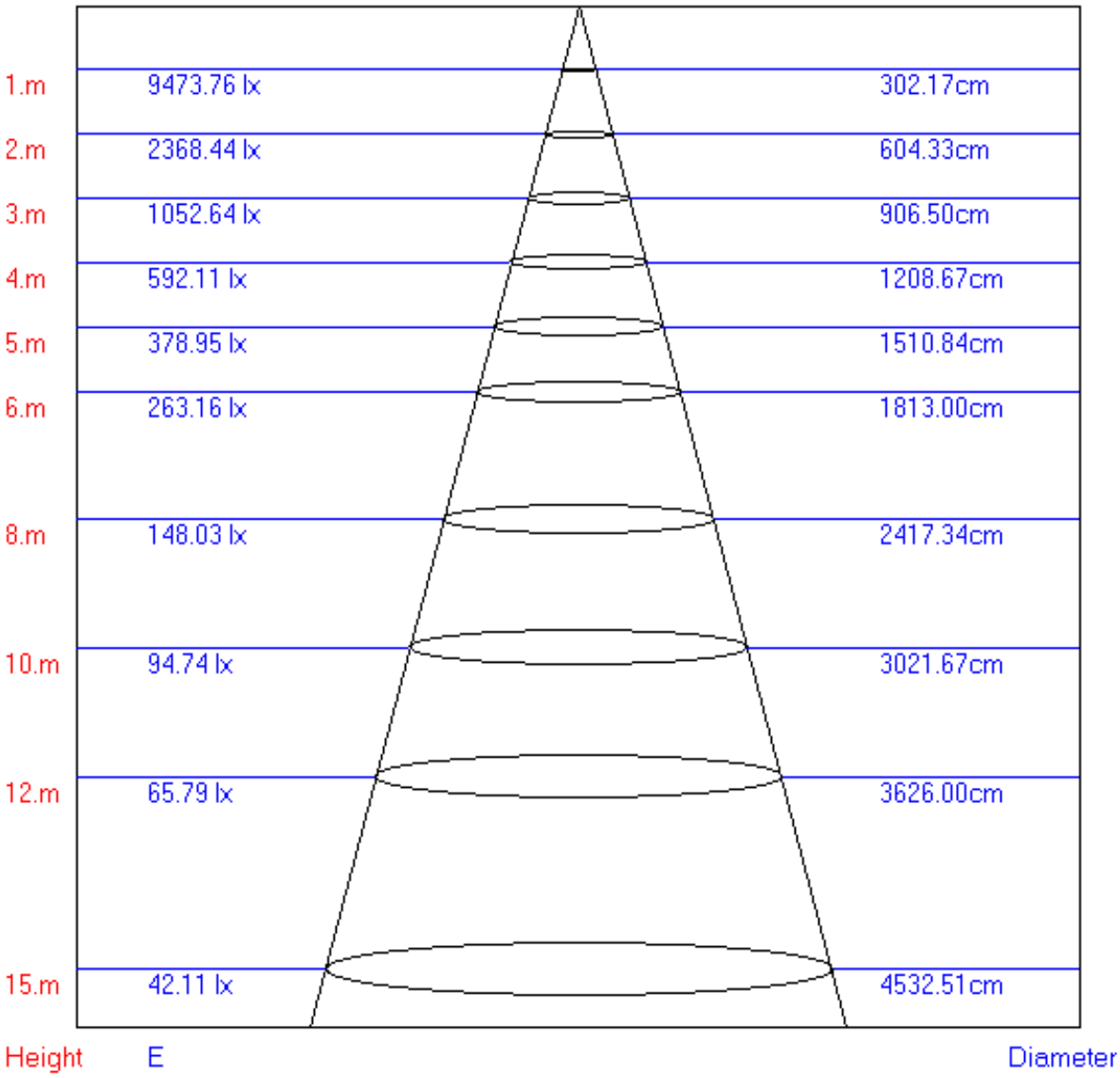
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	37125	36394	35249	33449	30557	26307	20040		
C90	35778	34088	32296	30274	26800	22283	14723		

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. Limitting Curve (C0/C90)

Lux-Distance Curve



Beam Angle:114.10°

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	COEFFCIENTS 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	1.06	1.04	1.03	1.04	1.03	1.01	1.01	0.99	0.97	0.96	0.94	0.92	0.89	0.87	0.85	0.80
2	0.90	0.88	0.86	0.90	0.87	0.84	0.87	0.84	0.81	0.84	0.80	0.77	0.79	0.75	0.72	0.67
3	0.77	0.75	0.73	0.77	0.74	0.71	0.76	0.72	0.68	0.74	0.69	0.65	0.70	0.65	0.61	0.57
4	0.67	0.64	0.62	0.67	0.63	0.61	0.67	0.62	0.58	0.65	0.60	0.56	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	0.51	0.49	0.47	0.52	0.48	0.46	0.53	0.48	0.44	0.53	0.47	0.42	0.52	0.45	0.40	0.36
7	0.46	0.43	0.41	0.47	0.43	0.41	0.48	0.43	0.39	0.48	0.42	0.37	0.47	0.41	0.36	0.32
8	0.41	0.38	0.37	0.42	0.38	0.36	0.43	0.38	0.35	0.44	0.38	0.33	0.44	0.37	0.32	0.29
9	0.37	0.35	0.33	0.38	0.35	0.33	0.39	0.35	0.31	0.40	0.34	0.30	0.40	0.34	0.29	0.26
10	0.34	0.31	0.30	0.35	0.31	0.29	0.36	0.31	0.28	0.37	0.31	0.27	0.37	0.31	0.26	0.23

Budgetary Estimate Chart			
Light Flux	26500.27 lmlm		
Maintenance	0.8/0.8		
Aver E	200lx		
Work Plane H	0		
Place Name	Cel	Wall	Floor
Reflect1	0.7	0.5	0.2
Reflect2	0.5	0.3	0.2